

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052686.D
 Acq On : 5 Dec 2018 19:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 06 04:31:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	936513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1455429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1308739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	615075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	508417	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	457728	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1747660	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	610361	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	376676	42.956	ug/l 97
3) Chloromethane	2.06	50	498794	43.092	ug/l 100
4) Vinyl Chloride	2.19	62	522764	43.965	ug/l 100
5) Bromomethane	2.57	94	300767	40.540	ug/l 99
6) Chloroethane	2.71	64	316288	43.915	ug/l 100
7) Trichlorofluoromethane	3.02	101	689896	47.235	ug/l 99
8) Diethyl Ether	3.41	74	271393	50.317	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	436627	47.909	ug/l 99
10) Methyl Iodide	3.96	142	655250	53.981	ug/l 99
11) Tert butyl alcohol	4.78	59	128764	252.238	ug/l 98
12) 1,1-Dichloroethene	3.74	96	409245	46.650	ug/l 100
13) Acrolein	3.61	56	159219	179.457	ug/l 97
14) Allyl chloride	4.33	41	718919	47.548	ug/l 99
15) Acrylonitrile	4.99	53	840230	260.017	ug/l 100
16) Acetone	3.82	43	595974	221.590	ug/l 100
17) Carbon Disulfide	4.06	76	1098575	39.793	ug/l 99
18) Methyl Acetate	4.32	43	435666	56.471	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	1202170	51.505	ug/l 98
20) Methylene Chloride	4.55	84	492270	46.772	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	441768	47.150	ug/l 96
22) Diisopropyl ether	5.95	45	1557499	49.041	ug/l 98
23) Vinyl Acetate	5.90	43	4842352	244.792	ug/l 99
24) 1,1-Dichloroethane	5.85	63	877010	48.364	ug/l 100
25) 2-Butanone	6.83	43	952827	249.945	ug/l 99
26) 2,2-Dichloropropane	6.83	77	610578	48.646	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	533576	48.888	ug/l 98
28) Bromochloromethane	7.20	49	418869	50.573	ug/l 96
29) Tetrahydrofuran	7.21	42	620001	252.155	ug/l 98
30) Chloroform	7.37	83	872694	48.237	ug/l 99
31) Cyclohexane	7.65	56	776756	44.214	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	714601	49.853	ug/l 98
36) 1,1-Dichloropropene	7.79	75	652237	47.456	ug/l 99
37) Ethyl Acetate	6.93	43	412121	49.133	ug/l 99
38) Carbon Tetrachloride	7.78	117	613871	49.339	ug/l 98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	766359	45.875	ug/l	98
40) Benzene	8.04	78	1990240	48.590	ug/l	100
41) Methacrylonitrile	7.17	41	246389	53.730	ug/l	96
42) 1,2-Dichloroethane	8.12	62	622962	50.230	ug/l	99
43) Isopropyl Acetate	8.16	43	765205	53.907	ug/l #	88
44) Trichloroethene	8.83	130	519461	49.511	ug/l	98
45) 1,2-Dichloropropane	9.12	63	539228	49.517	ug/l	99
46) Dibromomethane	9.21	93	310152	51.449	ug/l	100
47) Bromodichloromethane	9.40	83	662742	50.565	ug/l	100
48) Methyl methacrylate	9.20	41	384910	52.004	ug/l	98
49) 1,4-Dioxane	9.20	88	77238	1005.497	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2126542	267.010	ug/l	99
52) Toluene	10.16	92	1221201	50.181	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	668123	52.988	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	779476	51.586	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	450179	52.589	ug/l	100
56) Ethyl methacrylate	10.43	69	588955	49.571	ug/l	99
57) 1,3-Dichloropropane	10.71	76	767563	50.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1672518	269.259	ug/l	99
59) 2-Hexanone	10.75	43	1422733	266.168	ug/l	99
60) Dibromochloromethane	10.90	129	499491	53.724	ug/l	99
61) 1,2-Dibromoethane	11.01	107	443404	52.152	ug/l	99
64) Tetrachloroethene	10.63	164	546838	53.891	ug/l	98
65) Chlorobenzene	11.43	112	1344228	49.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	482387	51.410	ug/l	100
67) Ethyl Benzene	11.51	91	2358179	49.901	ug/l	100
68) m/p-Xylenes	11.62	106	1768916	100.548	ug/l	99
69) o-Xylene	11.95	106	870164	50.934	ug/l	99
70) Styrene	11.96	104	1425444	52.385	ug/l	99
71) Bromoform	12.13	173	340444	54.797	ug/l #	99
73) Isopropylbenzene	12.25	105	2319854	48.074	ug/l	99
74) N-amyl acetate	12.07	43	641780	52.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	531642	48.431	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	679126	71.602	ug/l #	100
77) Bromobenzene	12.53	156	587771	49.278	ug/l	98
78) n-propylbenzene	12.59	91	2664875	48.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	1553225	47.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1875021	48.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149264	52.555	ug/l	99
82) 4-Chlorotoluene	12.77	91	1572169	47.783	ug/l	99
83) tert-Butylbenzene	12.99	119	1673034	48.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1900109	49.264	ug/l	100
85) sec-Butylbenzene	13.17	105	2259275	48.345	ug/l	99
86) p-Isopropyltoluene	13.29	119	1950723	49.009	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1018109	48.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1004229	48.865	ug/l	100
89) n-Butylbenzene	13.62	91	1637131	49.456	ug/l	99
90) Hexachloroethane	13.88	117	326428	48.434	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1007719	50.554	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81391	51.841	ug/l	95

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QLast Update : Mon Dec 03 03:24:02 2018
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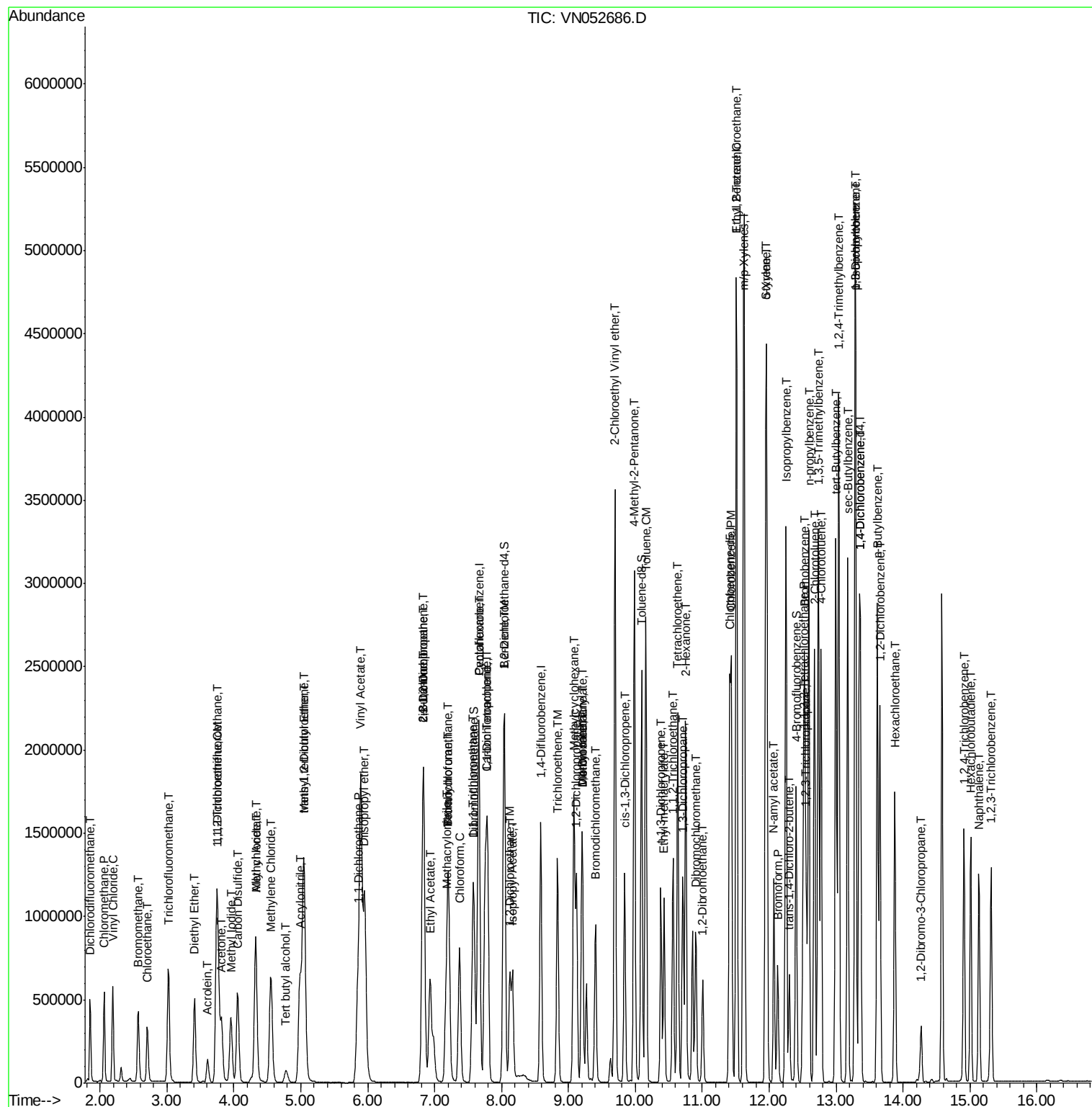
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	517191	47.512	ug/l	100
94) Hexachlorobutadiene	15.01	225	308162	48.055	ug/l	99
95) Naphthalene	15.13	128	1083503	47.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	484430	48.346	ug/l	100

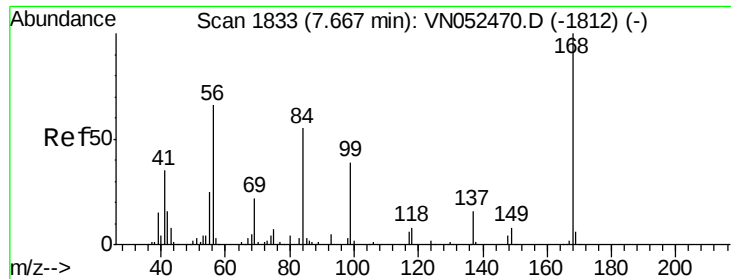
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

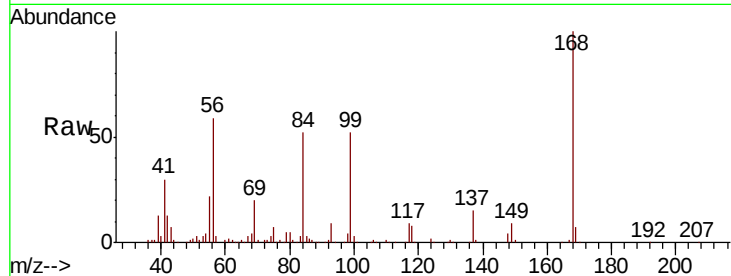
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 936513

Ion Ratio Lower Upper

168 100

99 52.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

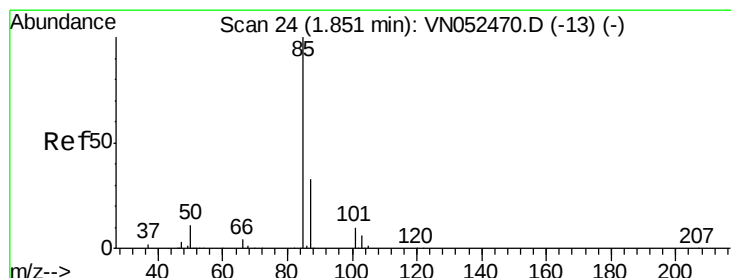
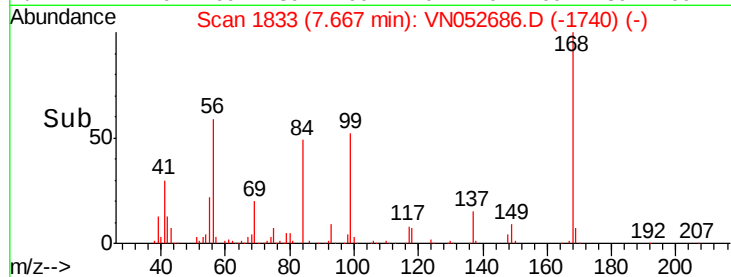
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.956 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052686.D

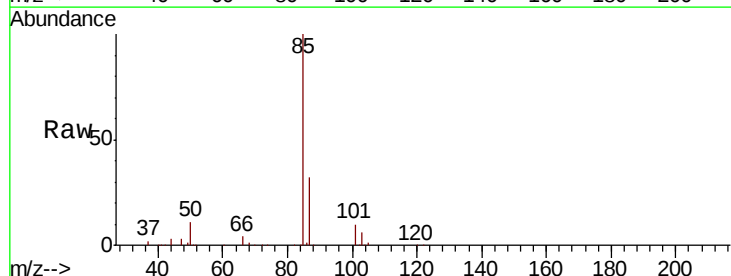
Acq: 5 Dec 2018 19:34

Tgt Ion: 85 Resp: 376676

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

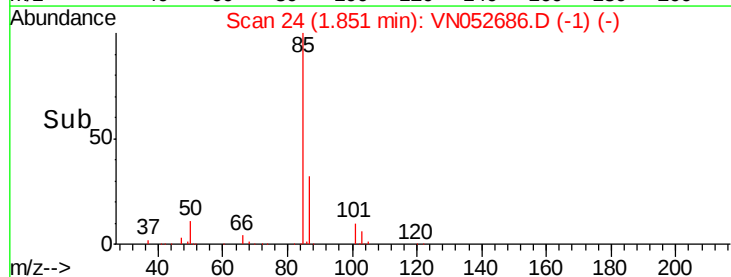
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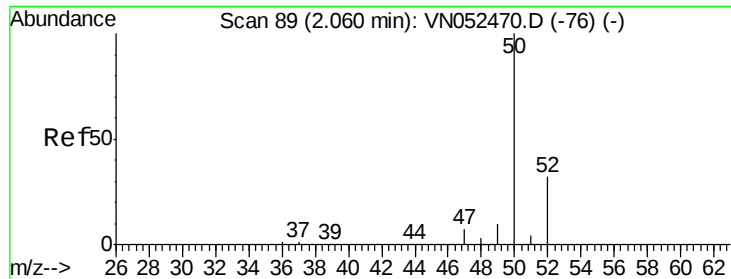
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50000

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Time-->

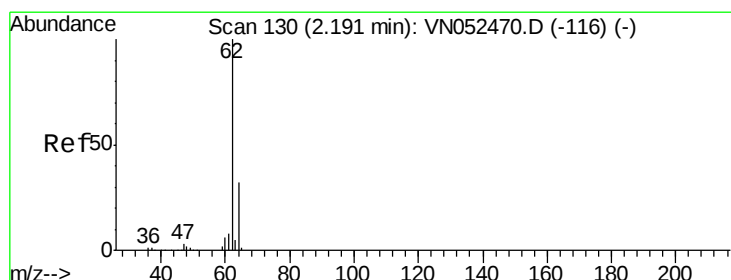
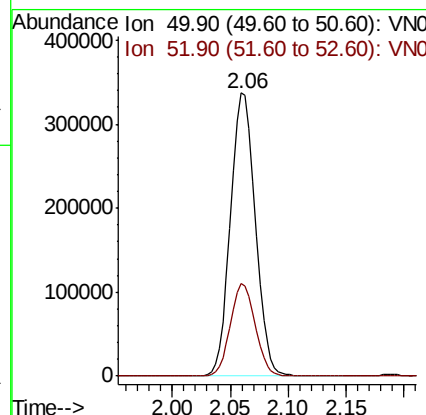
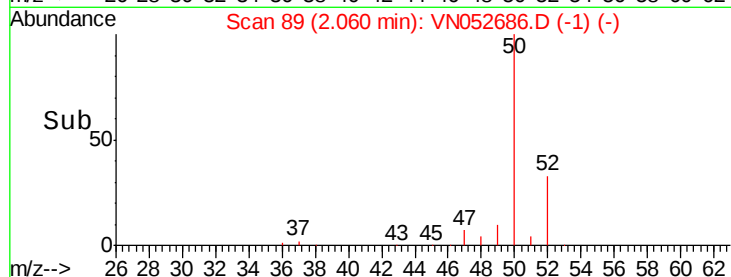
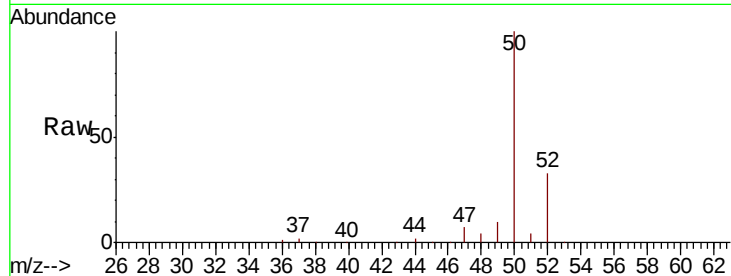




#3
Chloromethane
Concen: 43.092 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

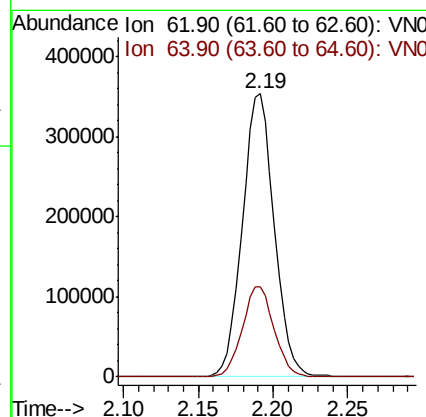
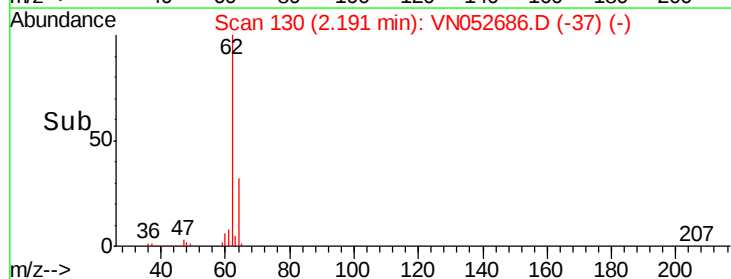
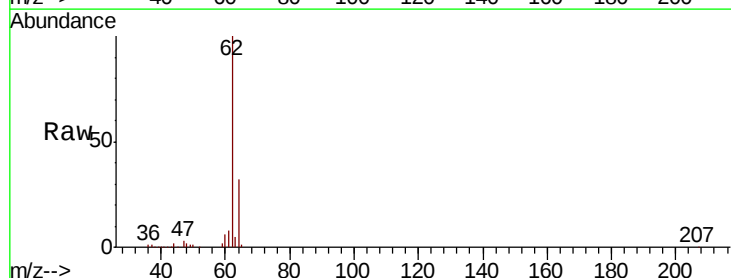
Instrument :
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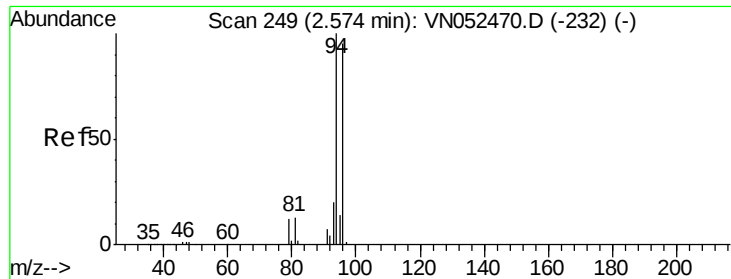
Tot Ion: 50 Resp: 498794
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#4
Vinyl Chloride
Concen: 43.965 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 62 Resp: 522764
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.2





#5

Bromomethane

Concen: 40.540 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

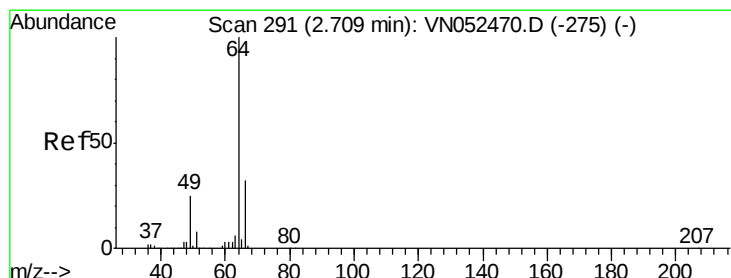
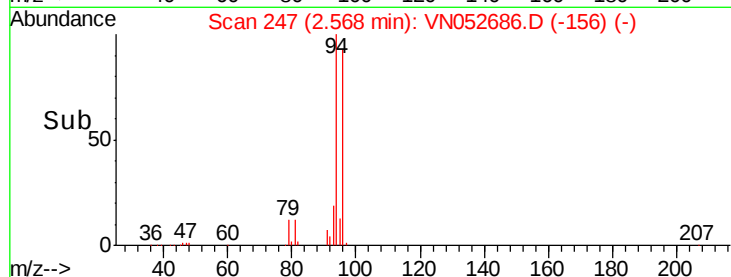
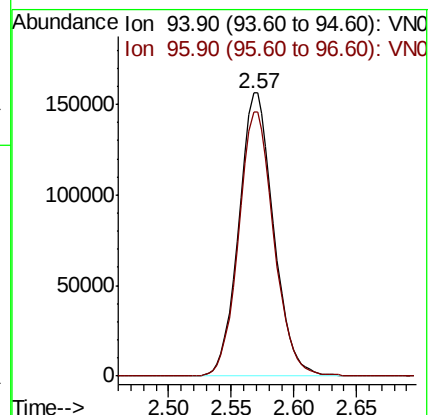
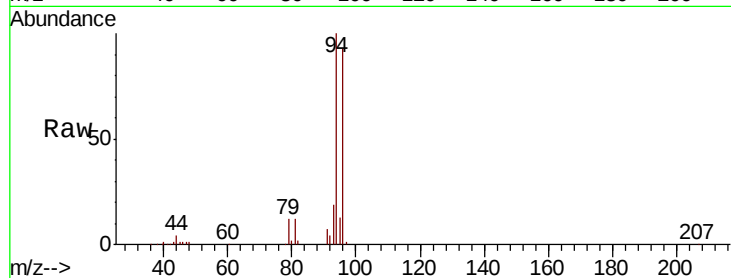
VSTDCCC050EC

Tot Ion: 94 Resp: 300767

Ion Ratio Lower Upper

94 100

96 93.4 75.8 113.8



#6

Chloroethane

Concen: 43.915 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052686.D

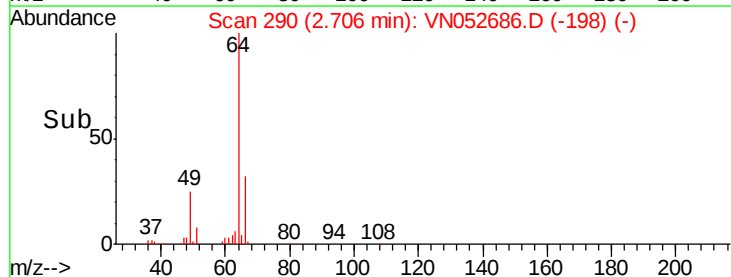
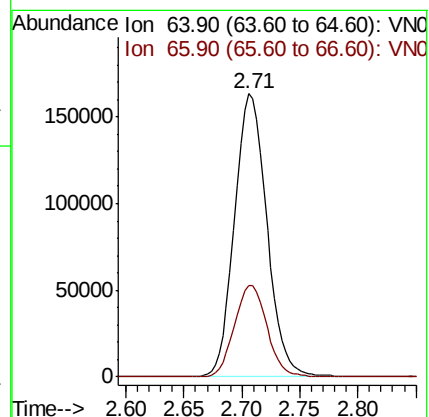
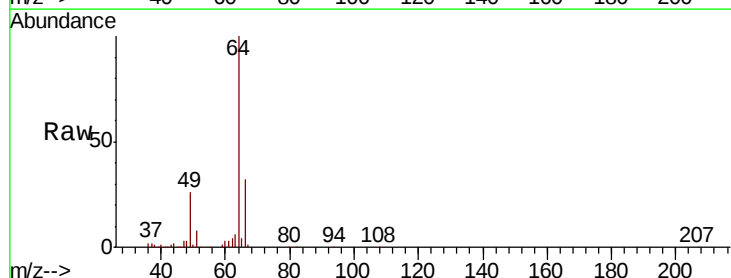
Acq: 5 Dec 2018 19:34

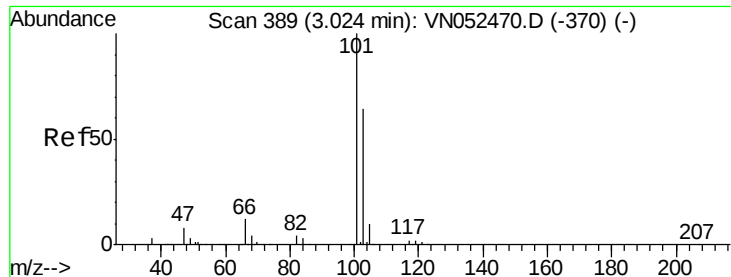
Tgt Ion: 64 Resp: 316288

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



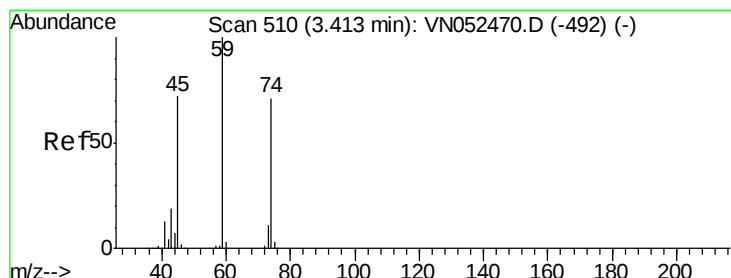
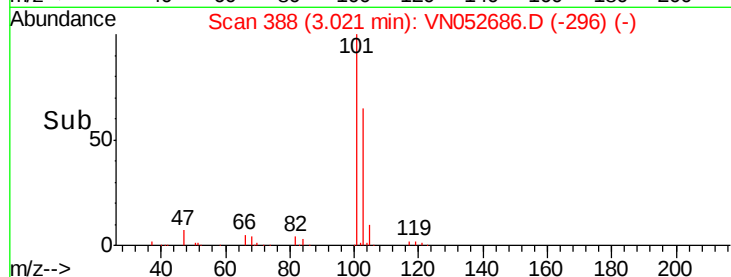
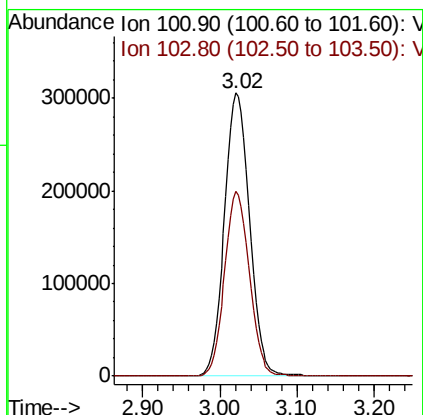
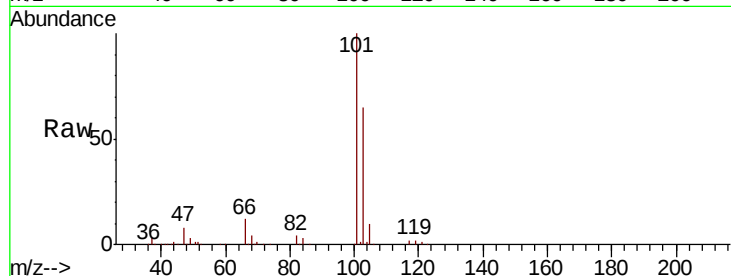


#7

Trichlorofluoromethane
 Concen: 47.235 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

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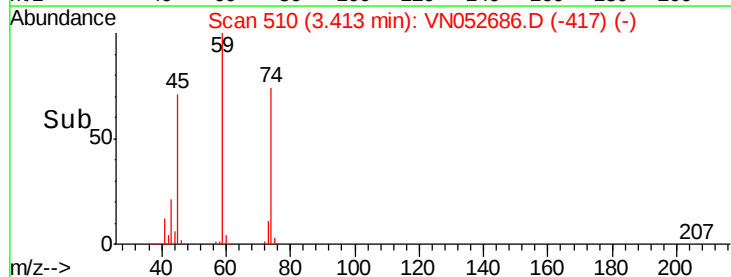
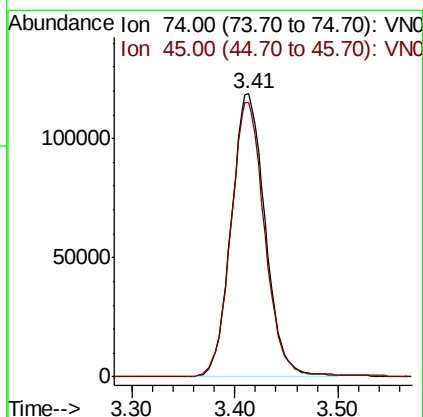
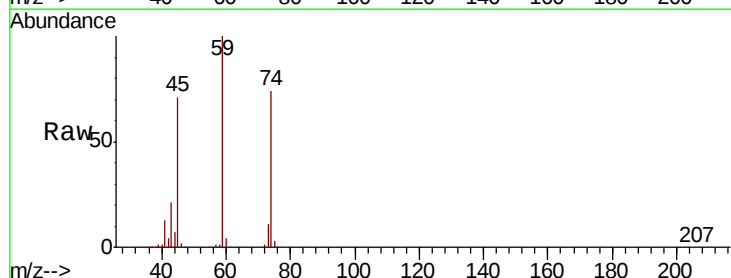
Tot Ion:101 Resp: 689896
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

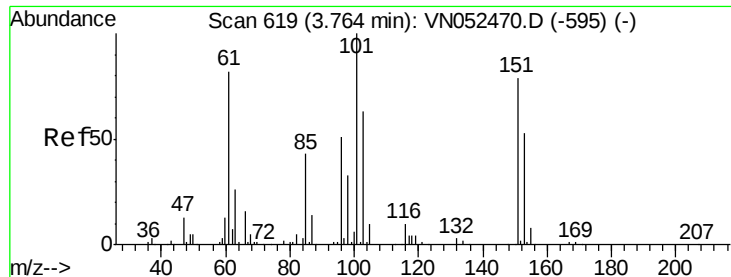


#8

Diethyl Ether
 Concen: 50.317 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 74 Resp: 271393
 Ion Ratio Lower Upper
 74 100
 45 97.0 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.909 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

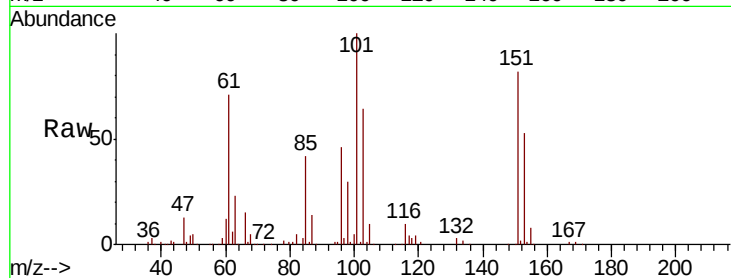
Tot Ion:101 Resp: 436627

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.4

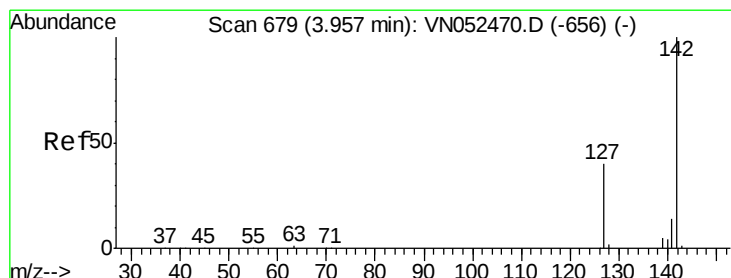
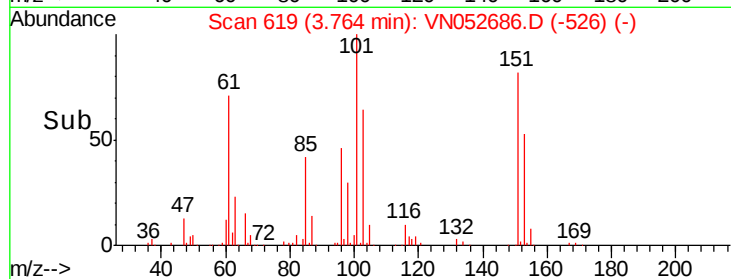
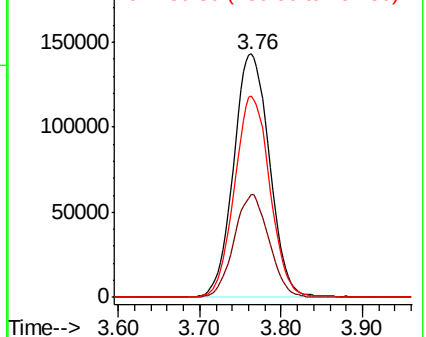
151 81.3 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.981 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

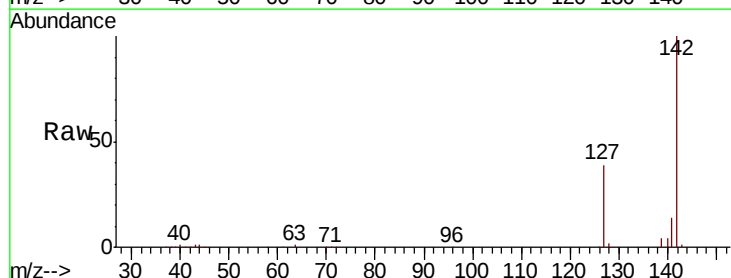
Tgt Ion:142 Resp: 655250

Ion Ratio Lower Upper

142 100

127 39.0 31.8 47.6

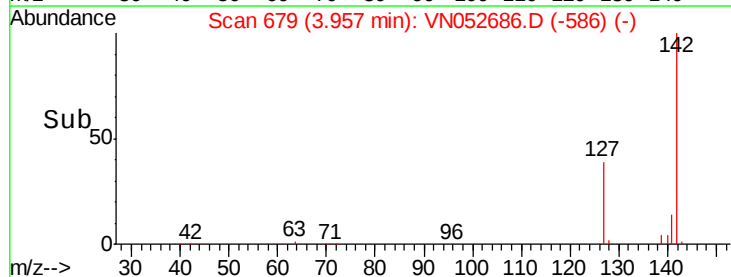
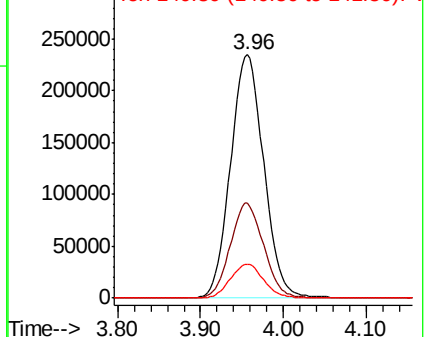
141 13.9 11.4 17.0

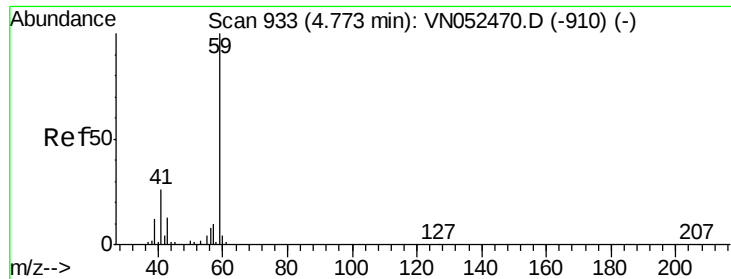


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

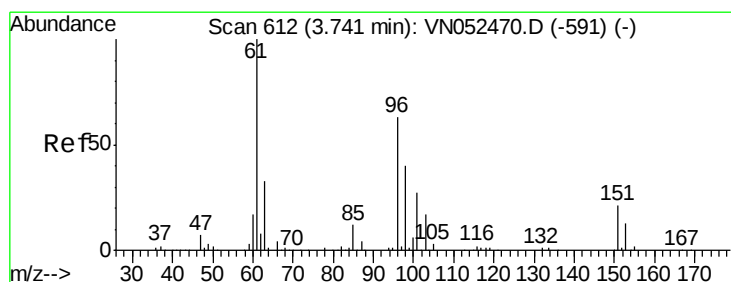
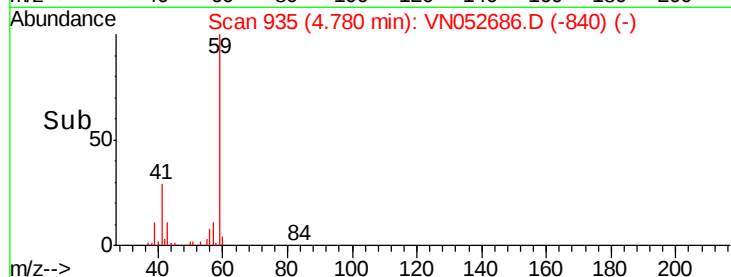
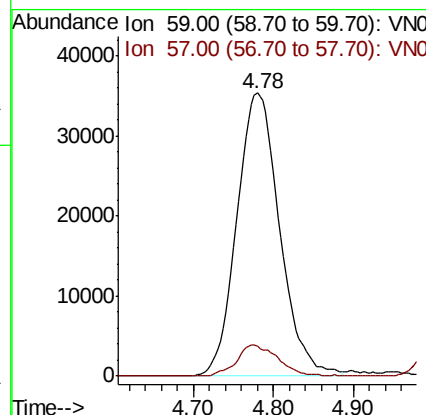
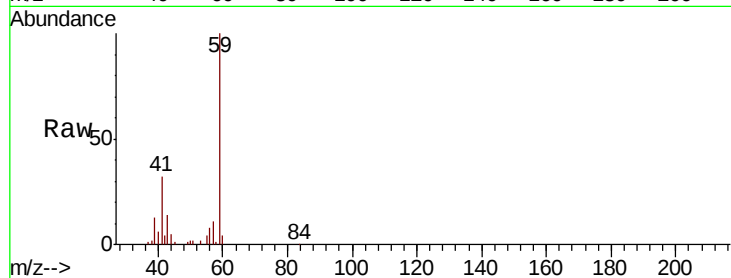




#11
Tert butyl alcohol
Concen: 252.238 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

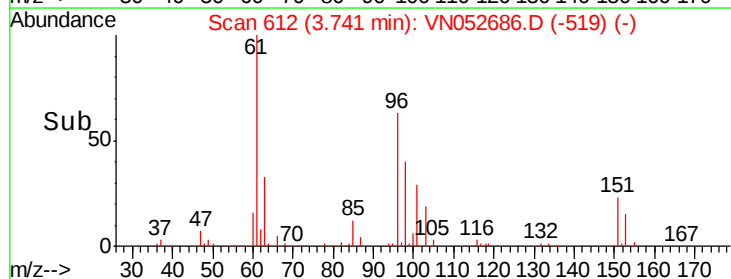
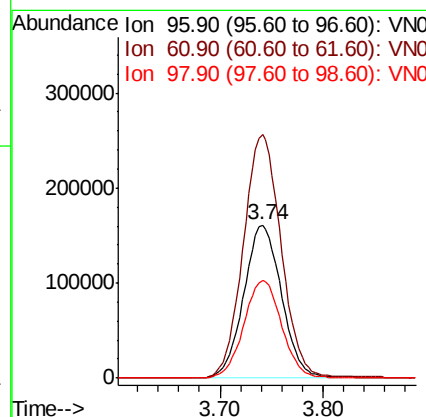
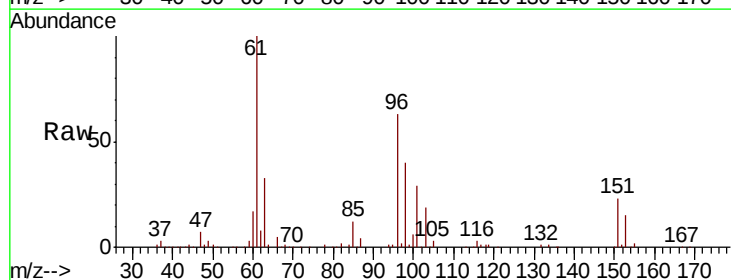
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

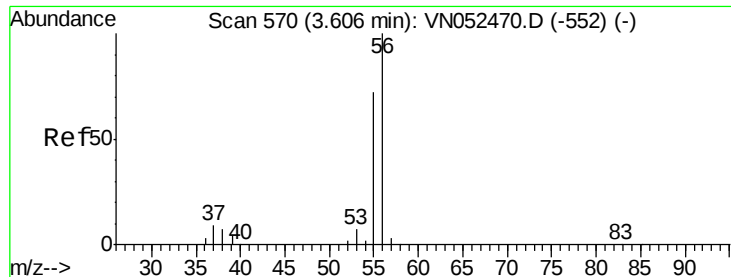
Tot Ion: 59 Resp: 128764
Ion Ratio Lower Upper
59 100
57 10.6 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.650 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 96 Resp: 409245
Ion Ratio Lower Upper
96 100
61 159.1 127.0 190.6
98 63.7 50.3 75.5





#13

Acrolein

Concen: 179.457 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

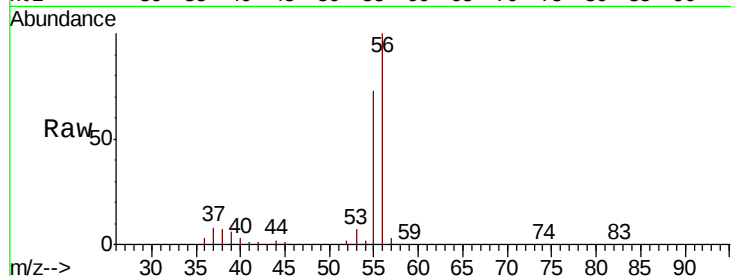
VSTDCCC050EC

Tot Ion: 56 Resp: 159219

Ion Ratio Lower Upper

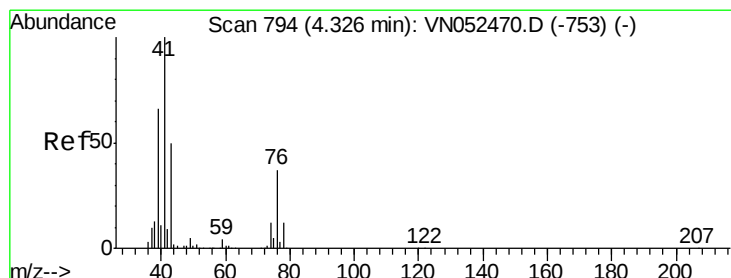
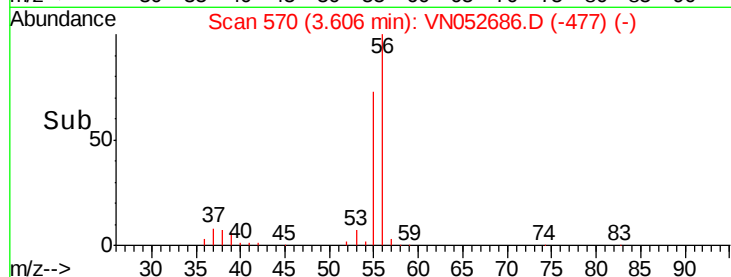
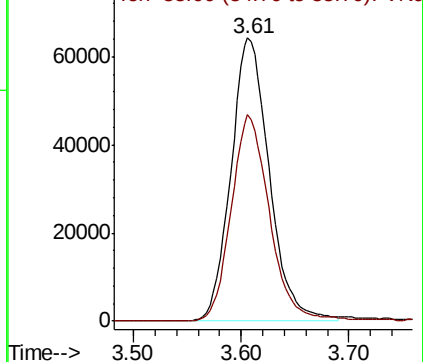
56 100

55 73.2 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.548 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

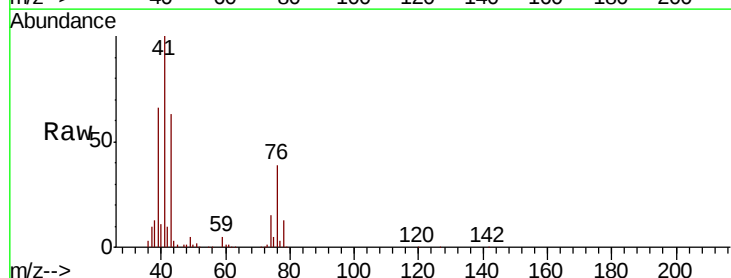
Tgt Ion: 41 Resp: 718919

Ion Ratio Lower Upper

41 100

39 64.2 50.6 76.0

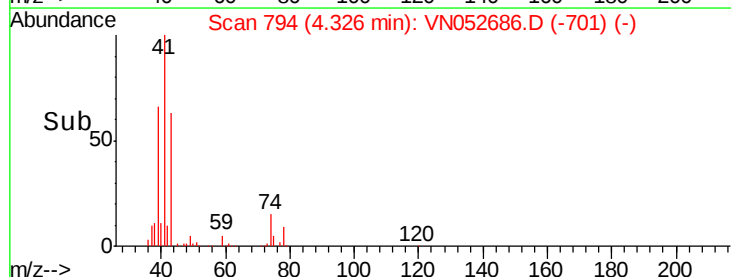
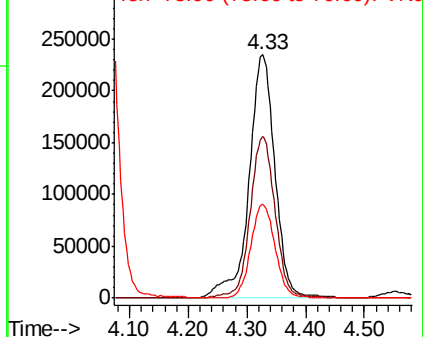
76 35.3 27.4 41.2

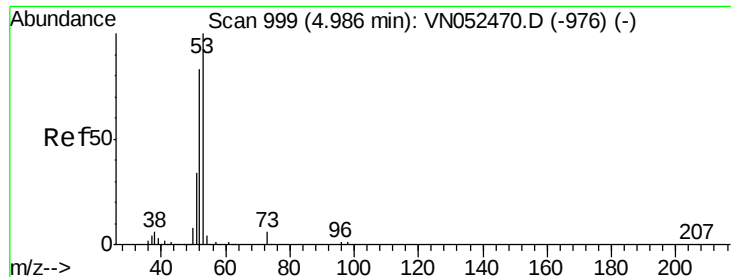


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 260.017 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

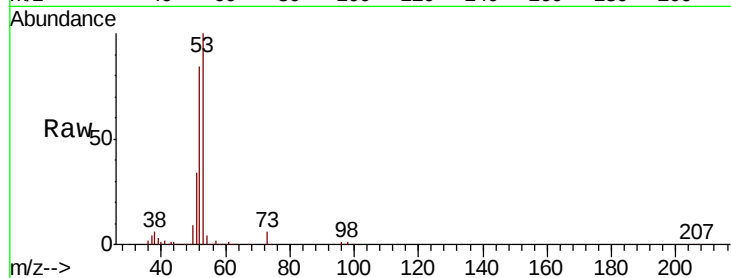
Tot Ion: 53 Resp: 840230

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.2

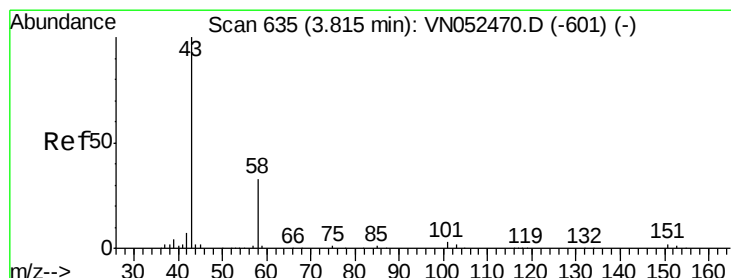
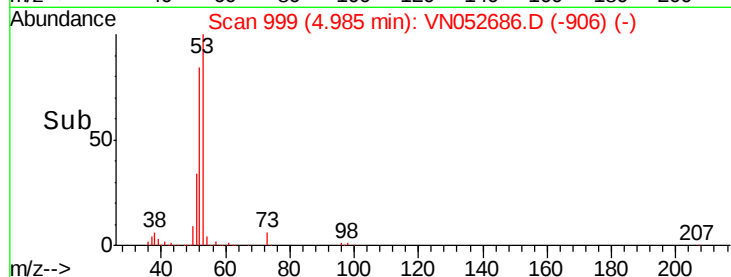
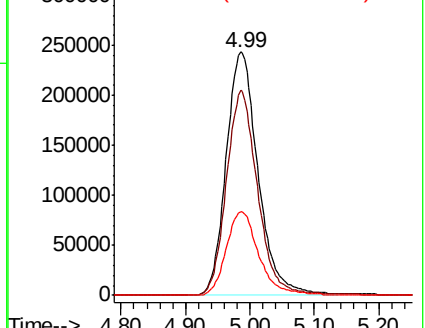
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 221.590 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052686.D

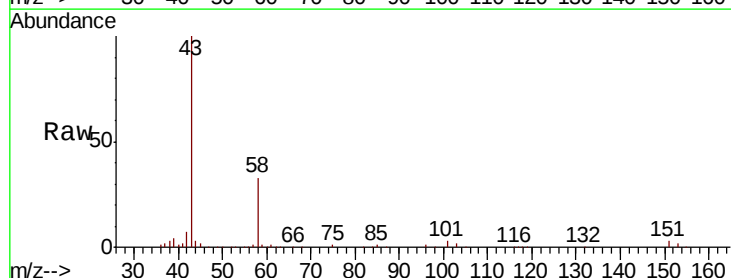
Acq: 5 Dec 2018 19:34

Tgt Ion: 43 Resp: 595974

Ion Ratio Lower Upper

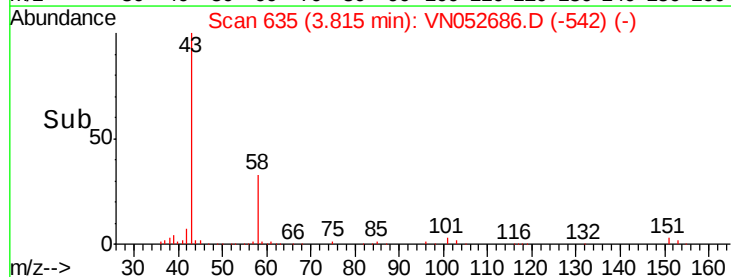
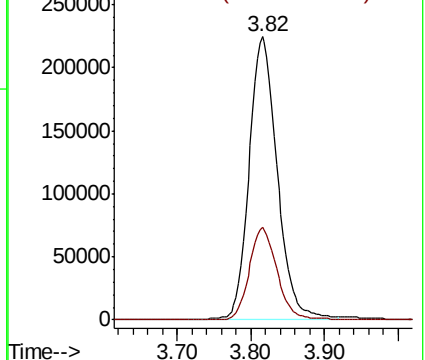
43 100

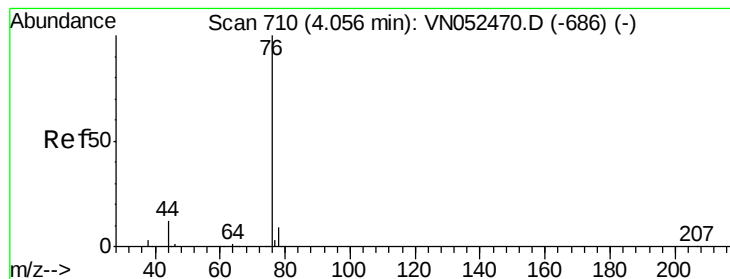
58 32.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 39.793 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

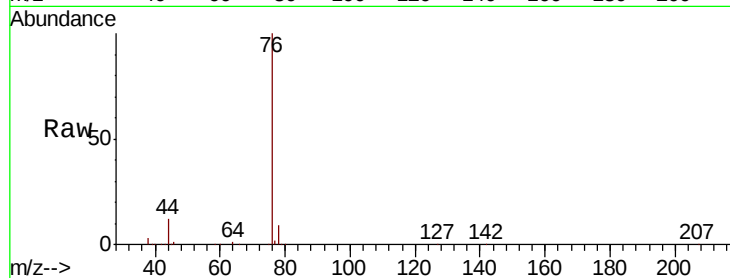
VSTDCCC050EC

Tot Ion: 76 Resp: 1098575

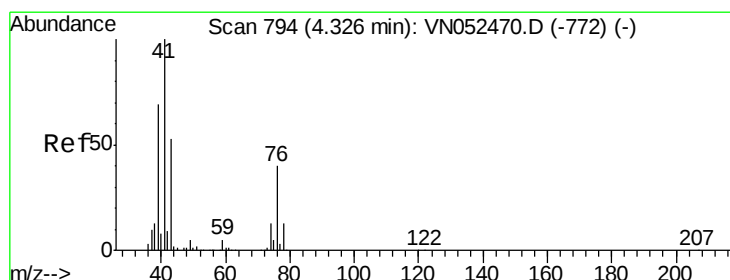
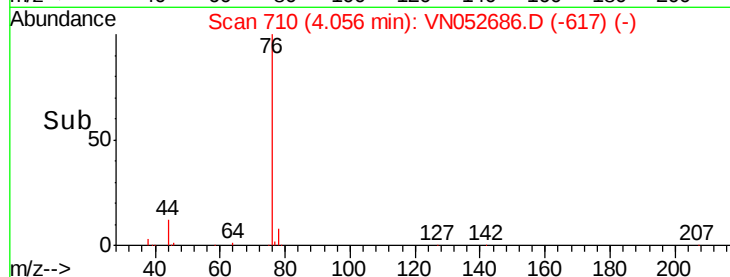
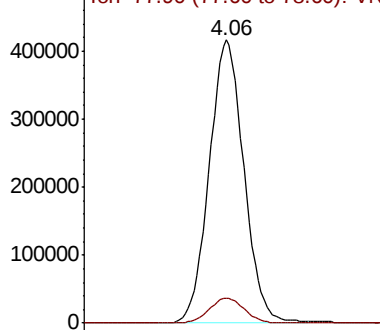
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.471 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052686.D

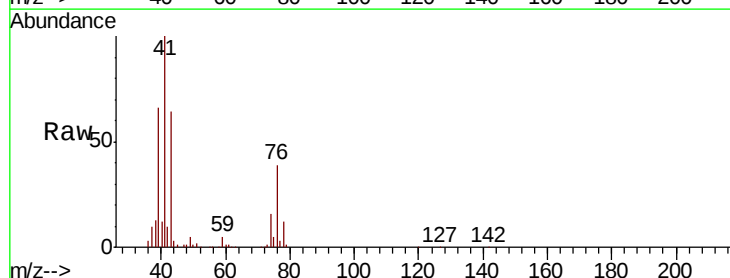
Acq: 5 Dec 2018 19:34

Tgt Ion: 43 Resp: 435666

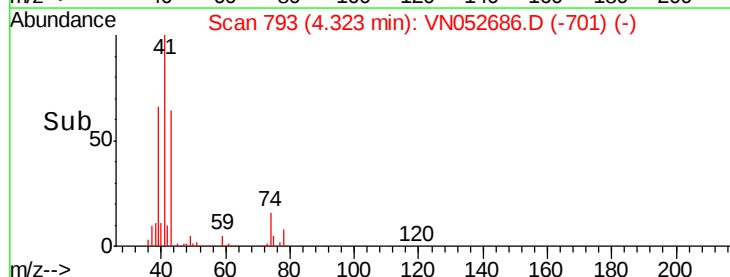
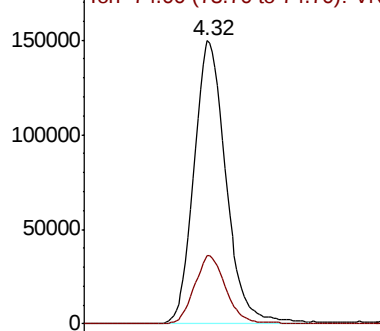
Ion Ratio Lower Upper

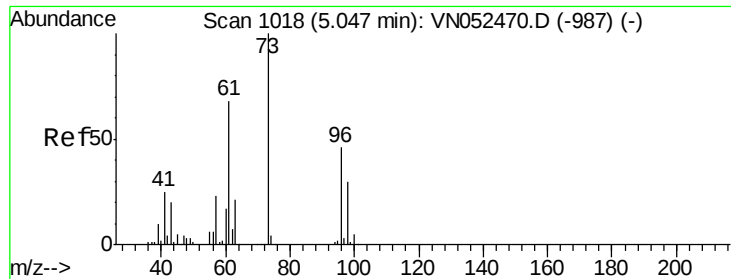
43 100

74 23.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

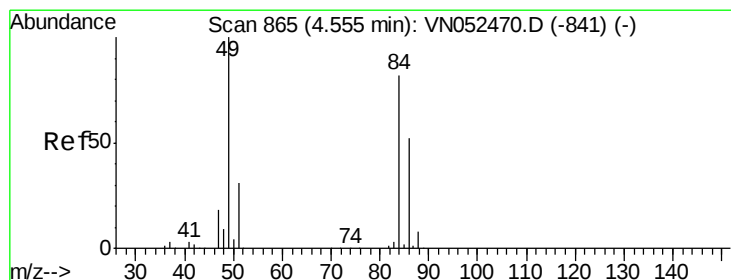
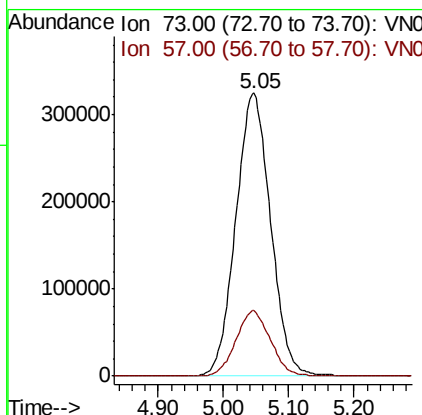
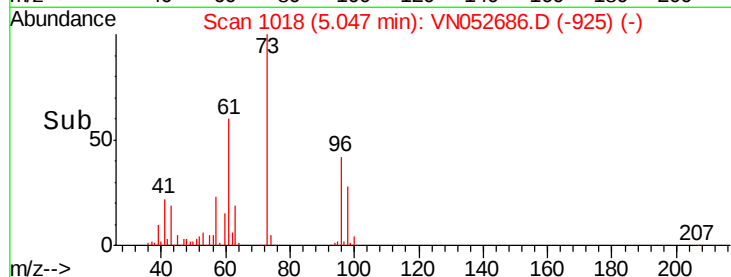
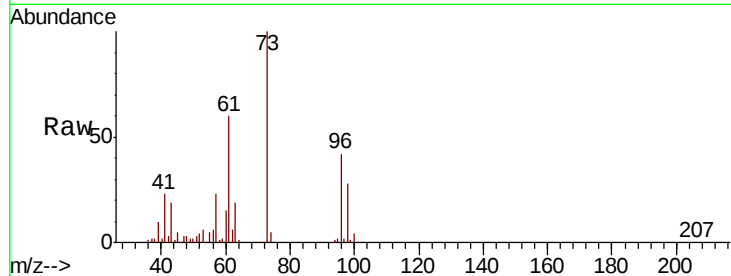




#19
Methvl tert-butvl Ether
Concen: 51.505 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

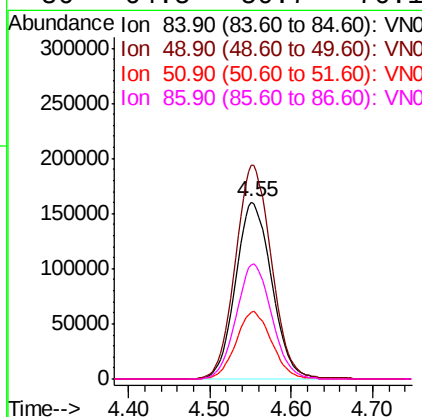
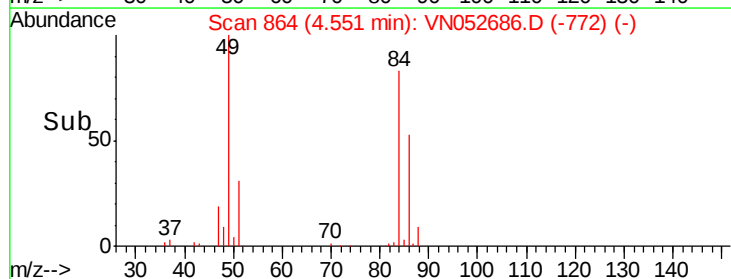
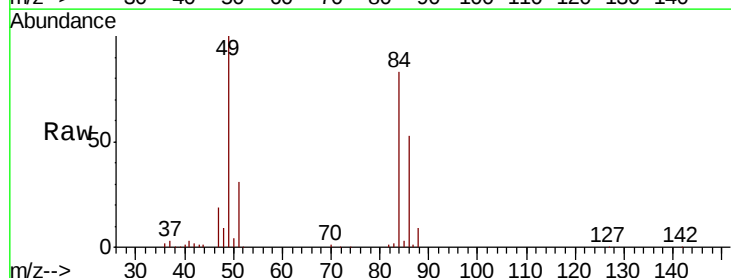
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

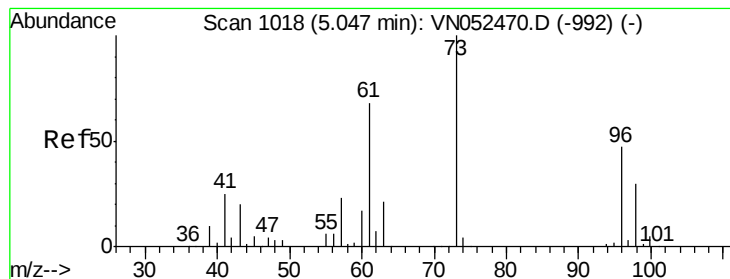
Tot Ion: 73 Resp: 1202170
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.2



#20
Methylene Chloride
Concen: 46.772 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 84 Resp: 492270
Ion Ratio Lower Upper
84 100
49 120.6 98.0 147.0
51 38.0 30.1 45.1
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.150 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

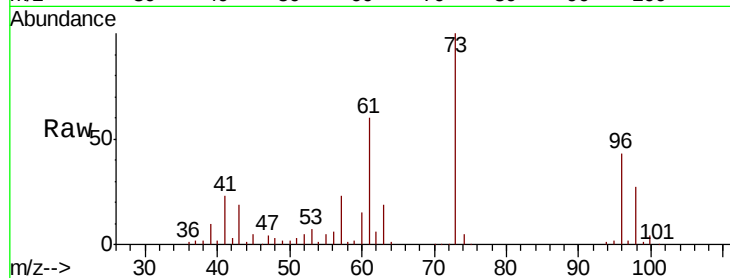
Tot Ion: 96 Resp: 441768

Ion Ratio Lower Upper

96 100

61 139.5 117.0 175.4

98 63.5 51.8 77.6

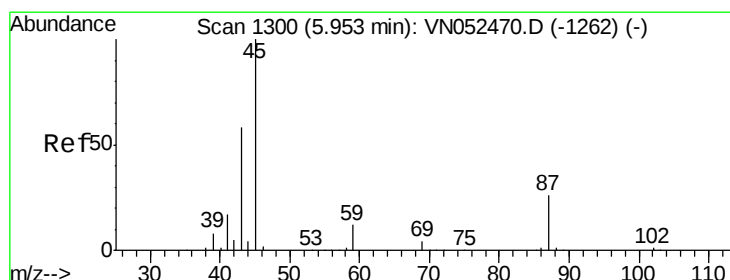
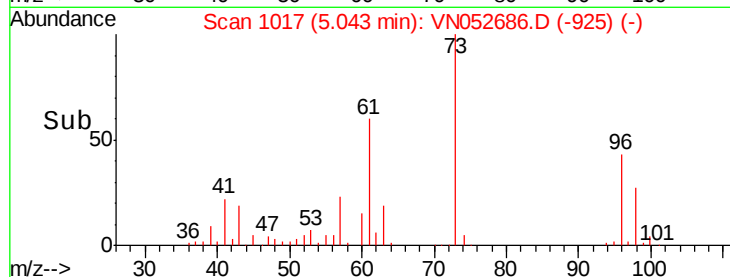
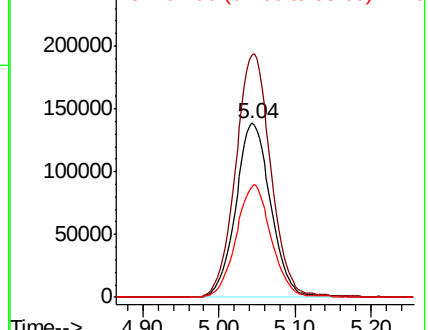


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.041 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion: 45 Resp: 1557499

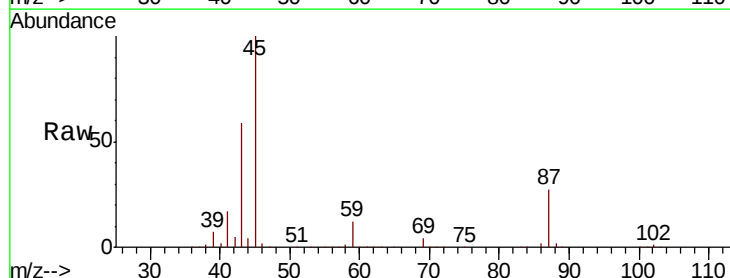
Ion Ratio Lower Upper

45 100

43 59.3 46.1 69.1

87 27.3 21.3 31.9

59 11.6 9.5 14.3



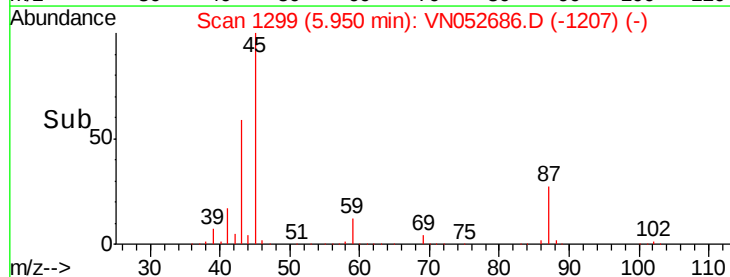
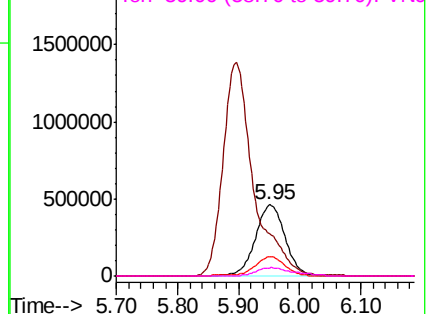
Abundance

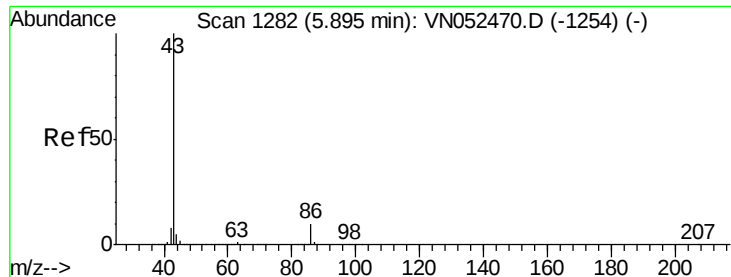
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 244.792 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

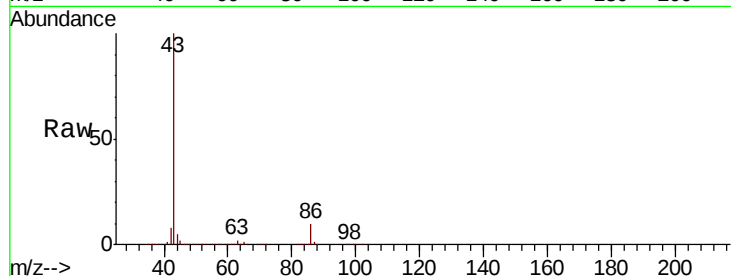
VSTDCCC050EC

Tot Ion: 43 Resp: 4842352

Ion Ratio Lower Upper

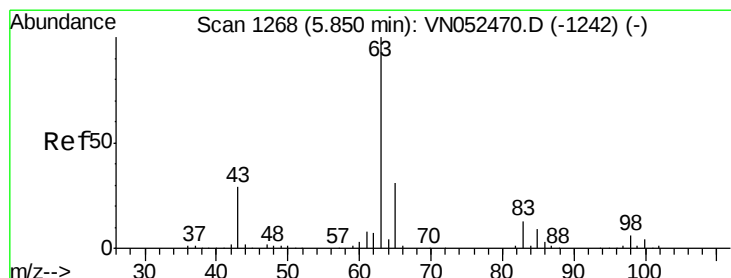
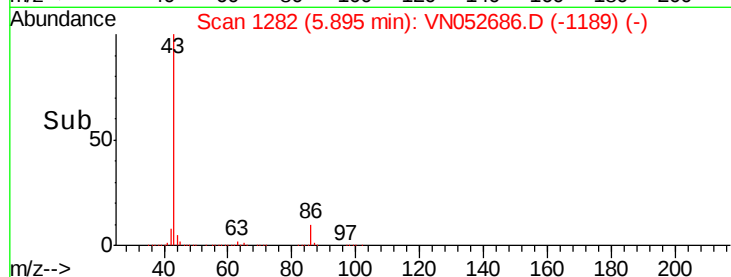
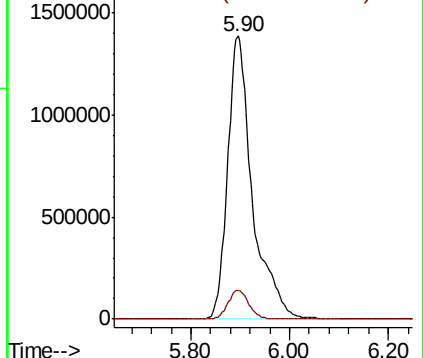
43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.364 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

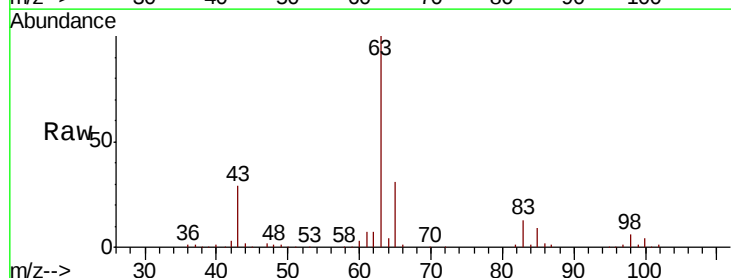
Tgt Ion: 63 Resp: 877010

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

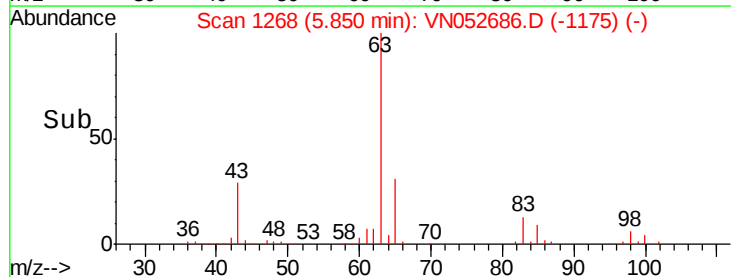
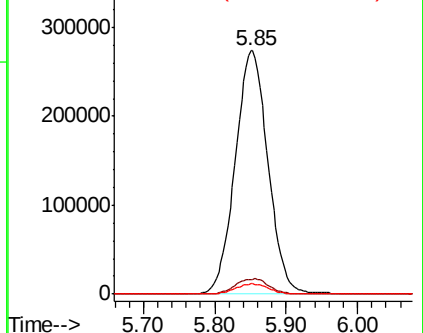
100 4.2 2.0 5.8

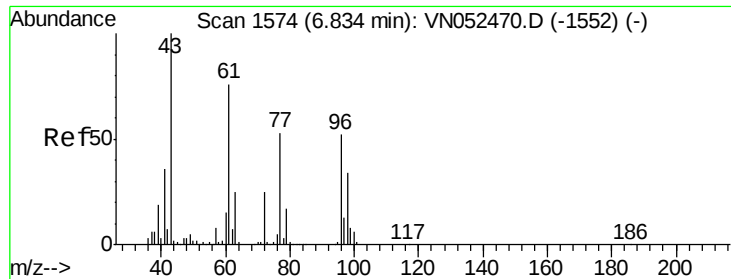


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

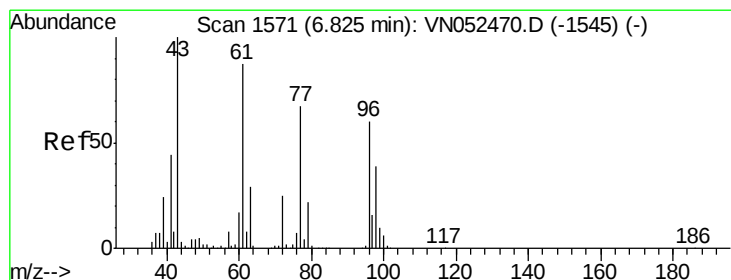
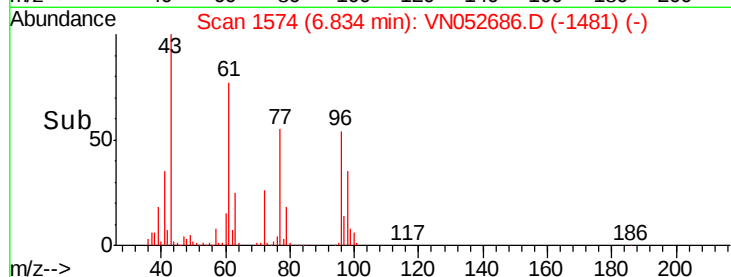
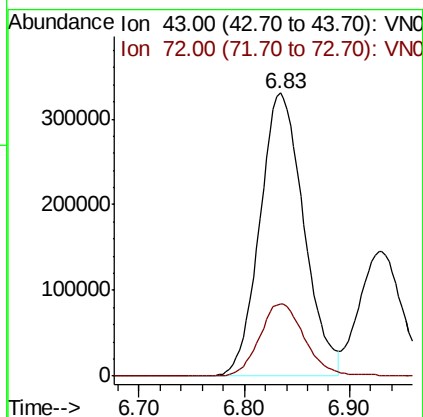
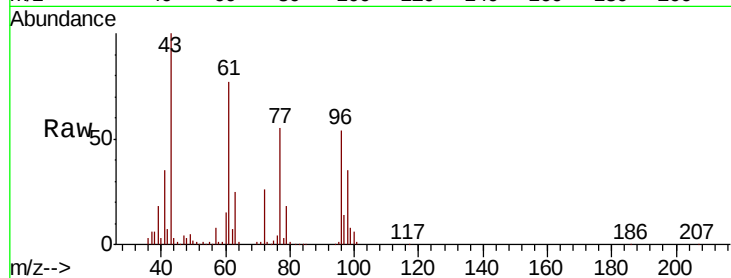




#25
2-Butanone
Concen: 249.945 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

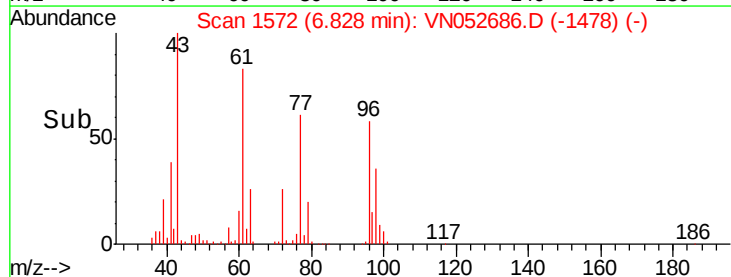
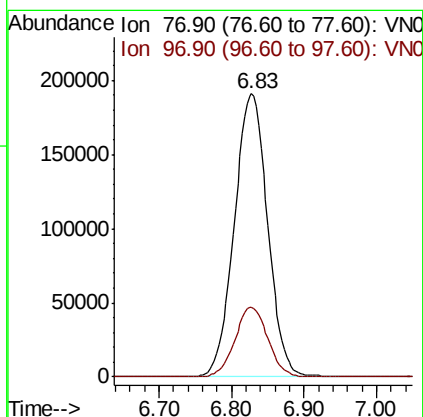
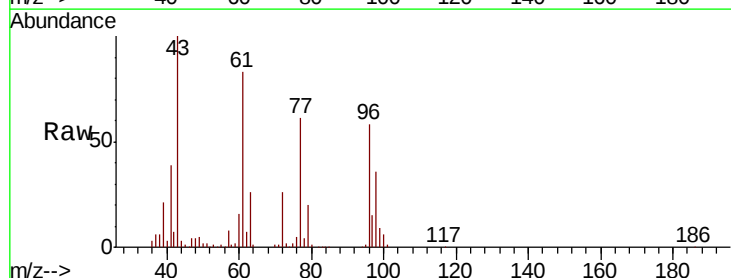
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

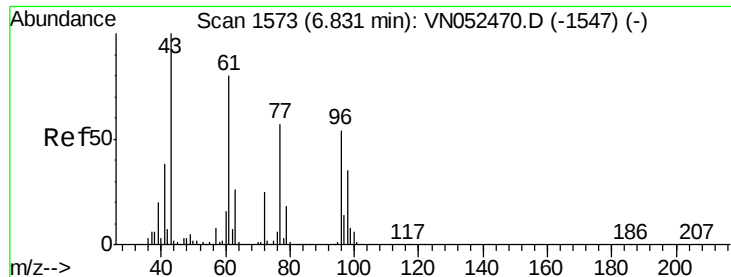
Tot Ion: 43 Resp: 952827
Ion Ratio Lower Upper
43 100
72 25.7 20.1 30.1



#26
2,2-Dichloropropane
Concen: 48.646 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 77 Resp: 610578
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.888 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

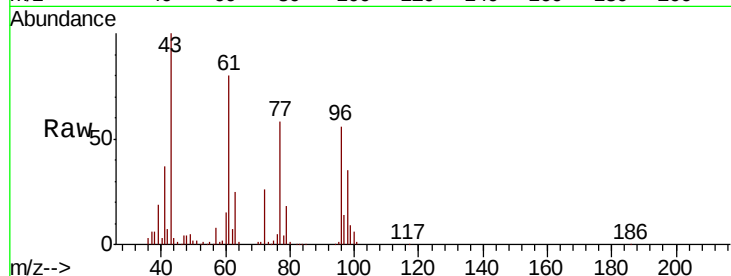
Tot Ion: 96 Resp: 533576

Ion Ratio Lower Upper

96 100

61 142.6 0.0 291.0

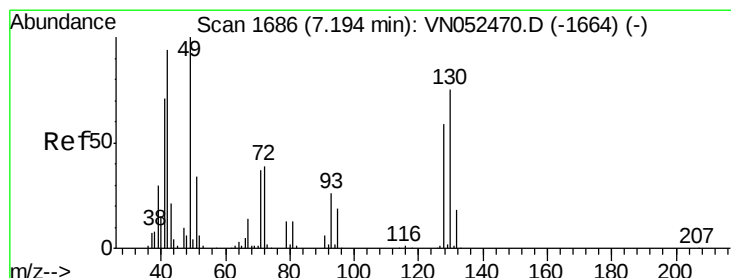
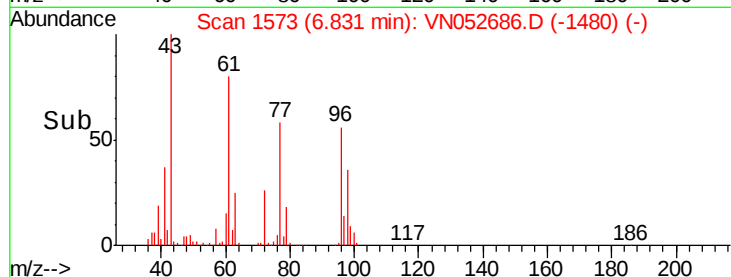
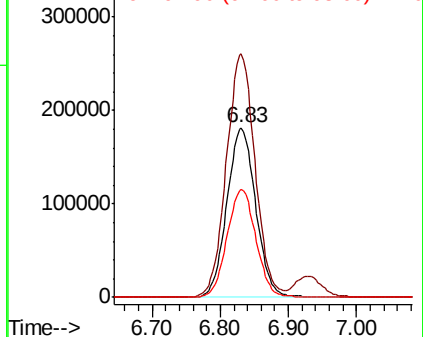
98 63.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.573 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

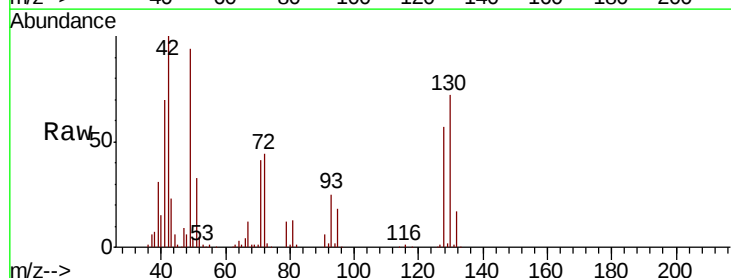
Tgt Ion: 49 Resp: 418869

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

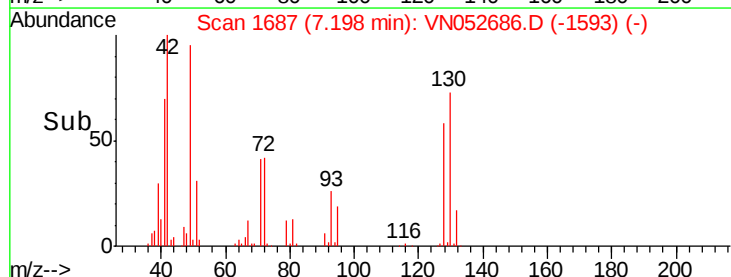
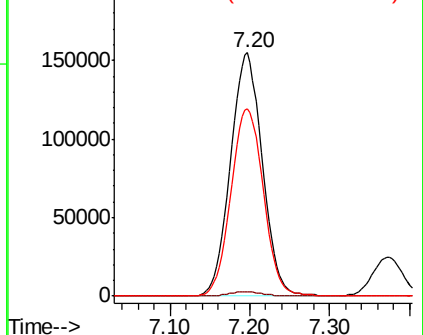
130 78.3 60.2 90.2

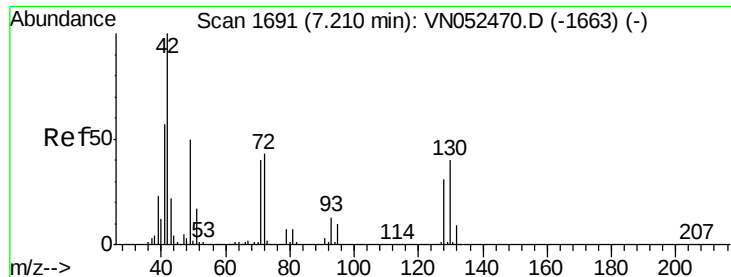


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

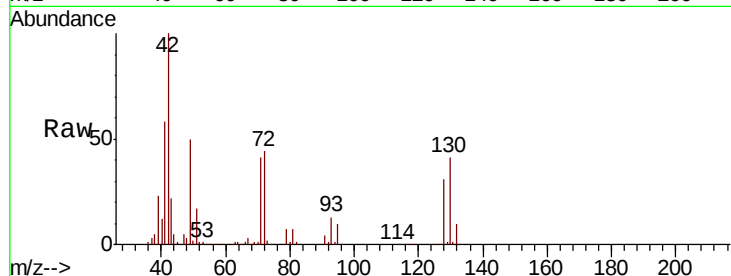




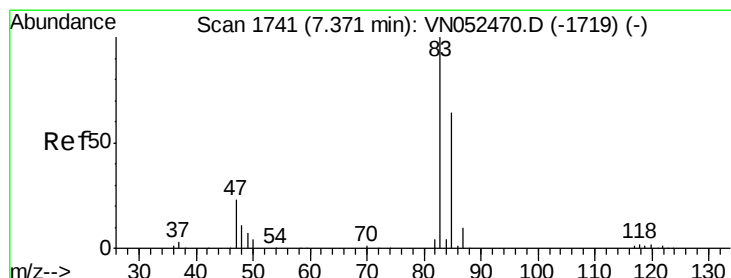
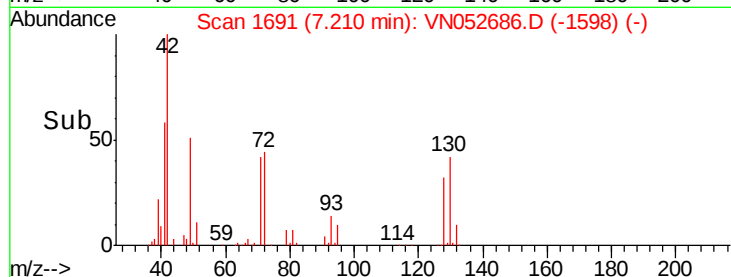
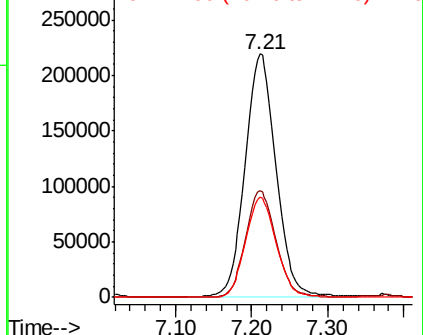
#29
Tetrahydrofuran
Concen: 252.155 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 620001
Ion Ratio Lower Upper
42 100
72 43.3 33.3 49.9
71 41.0 32.0 48.0

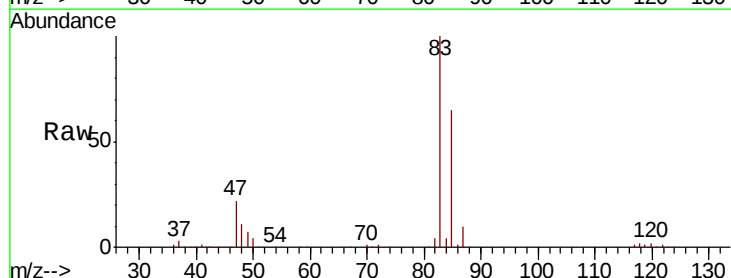


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

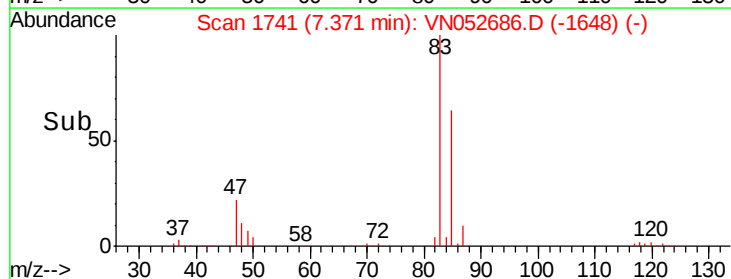
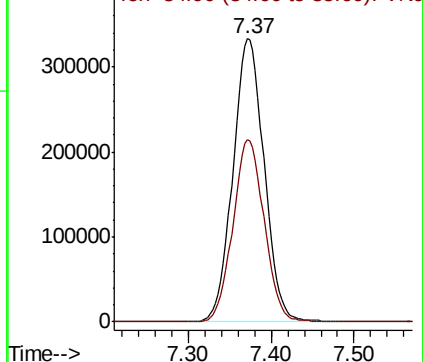


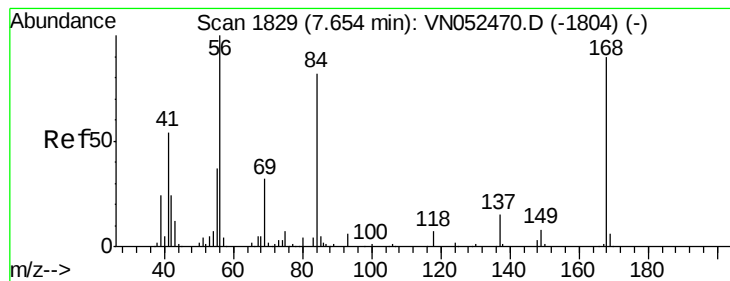
#30
Chloroform
Concen: 48.237 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 83 Resp: 872694
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 44.214 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

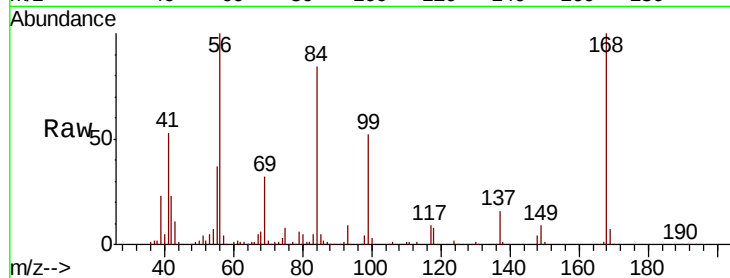
Tot Ion: 56 Resp: 776756

Ion Ratio Lower Upper

56 100

69 32.4 25.8 38.6

84 82.8 65.3 97.9

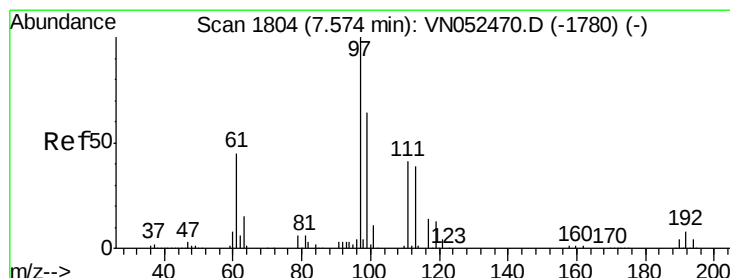
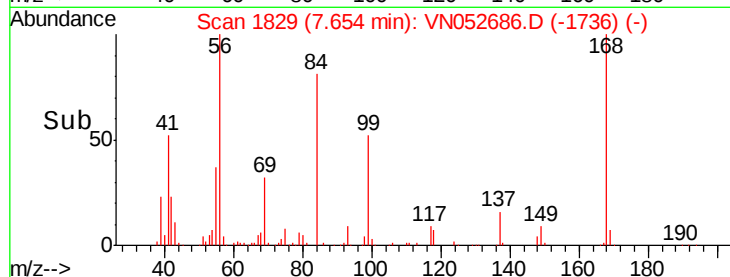
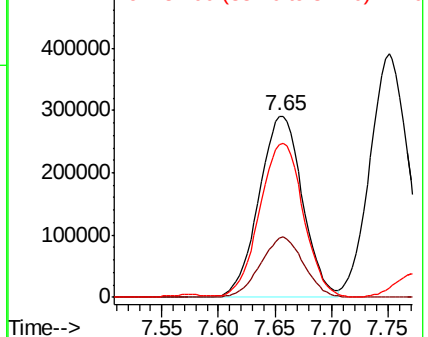


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.853 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

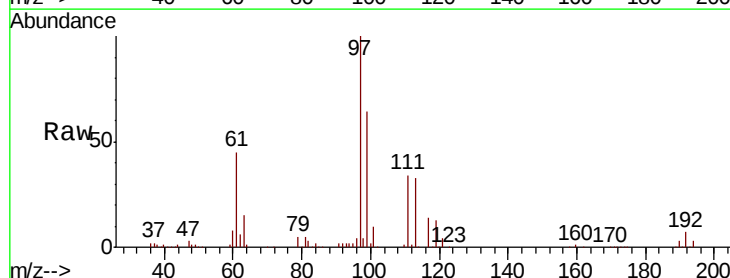
Tgt Ion: 97 Resp: 714601

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 44.6 36.8 55.2

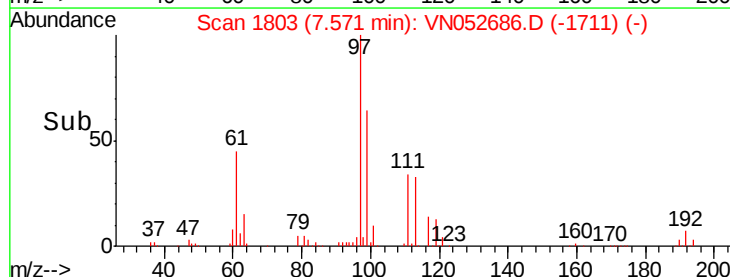
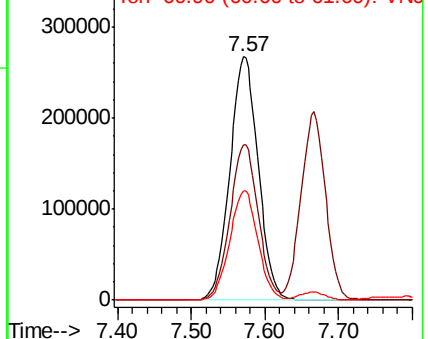


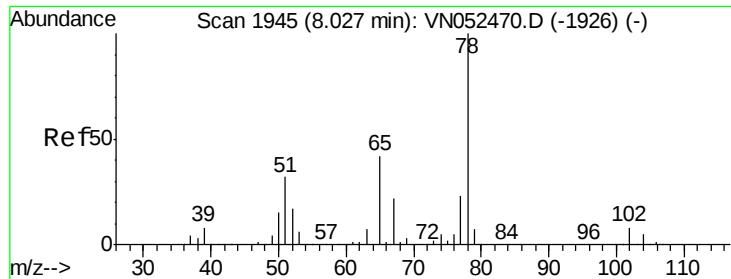
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

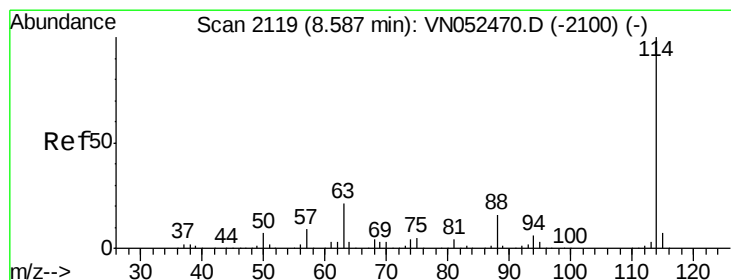
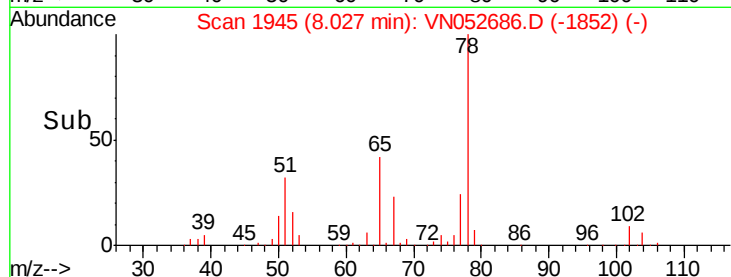
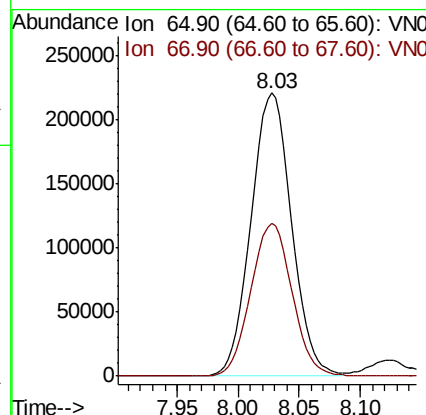
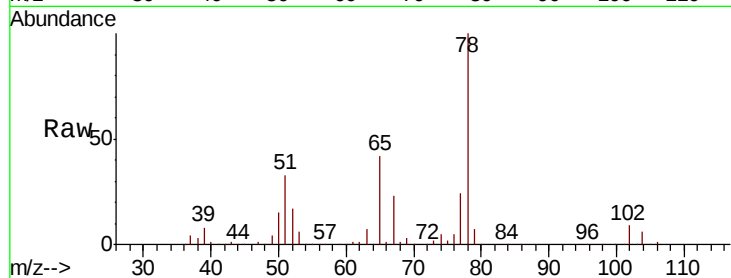




#33
 1,2-Dichloroethane-d4
 Concen: 49.853 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

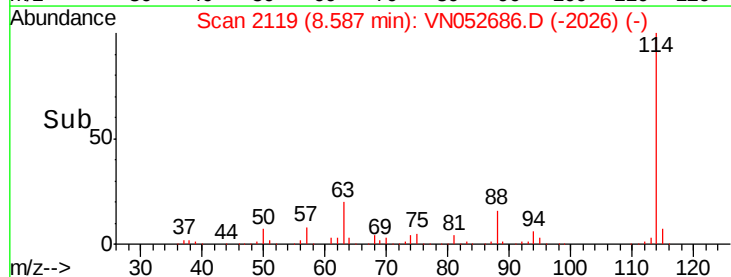
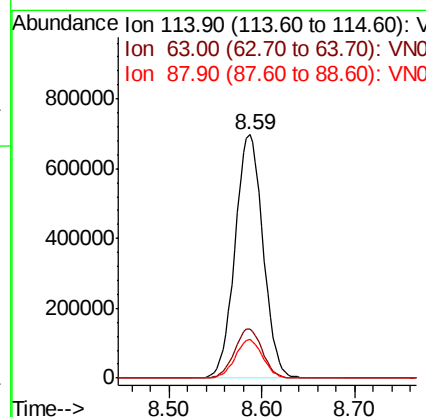
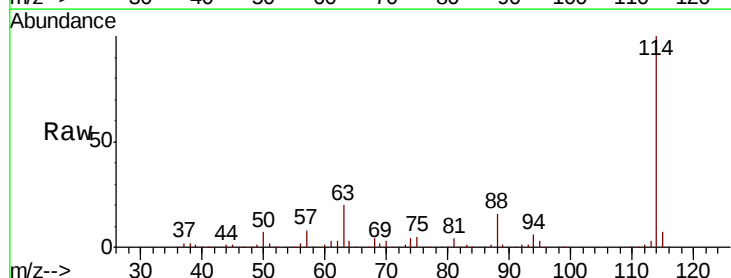
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

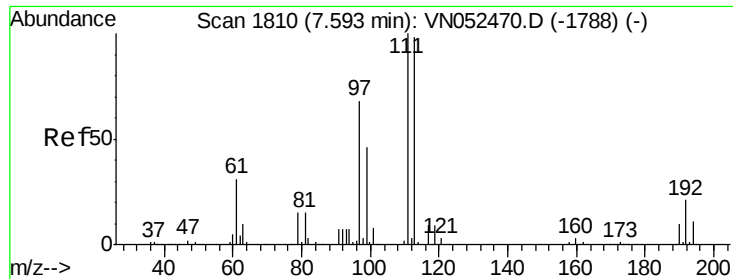
Tot Ion: 65 Resp: 508417
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 114 Resp: 1455429
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.8 0.0 31.6

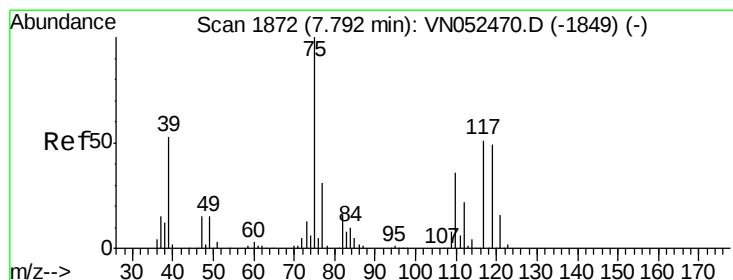
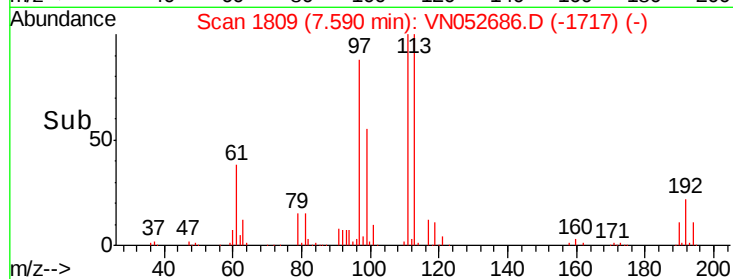
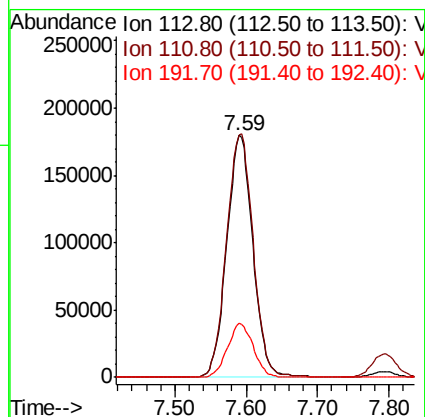
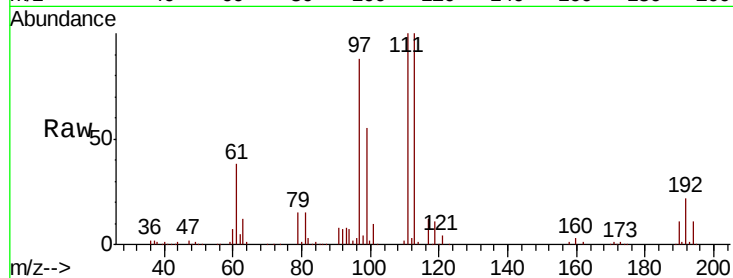




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

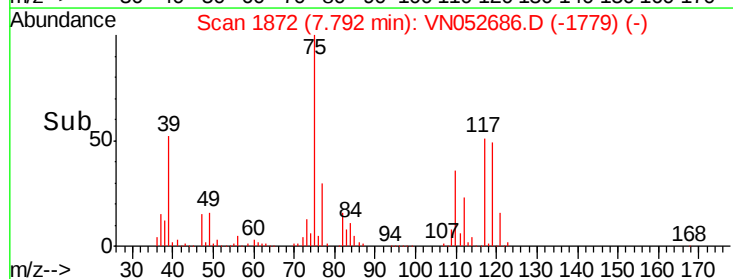
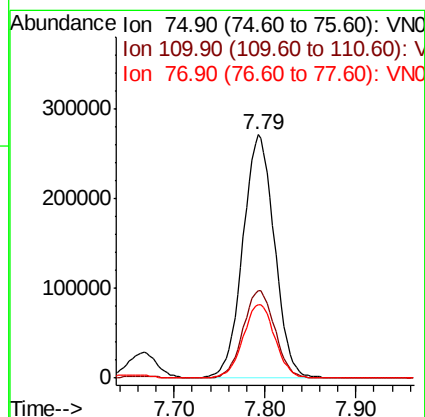
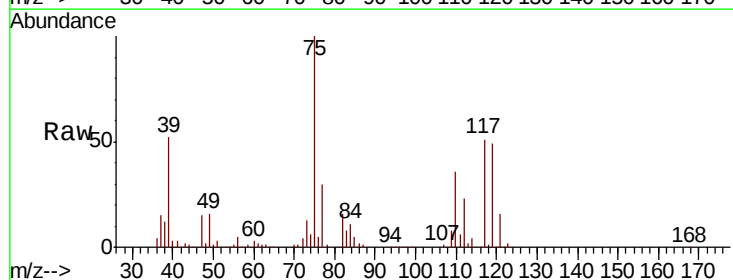
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

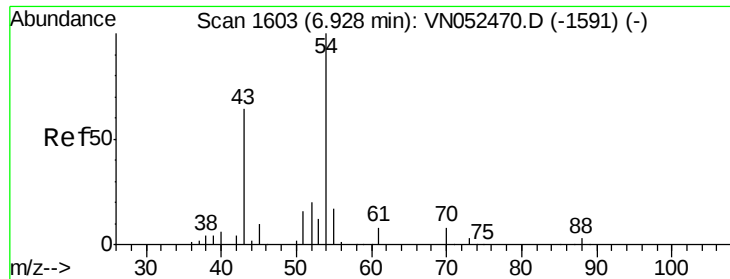
Tot Ion:113 Resp: 457728
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 47.456 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 75 Resp: 652237
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.5 52.6
 77 30.8 24.5 36.7

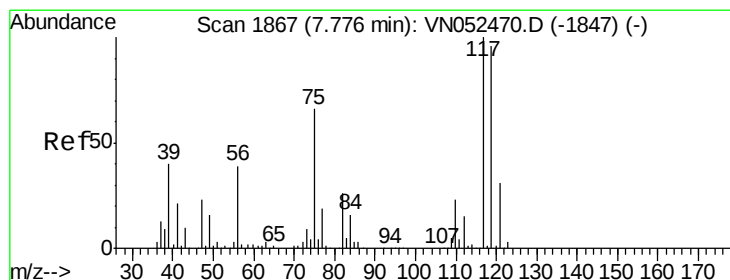
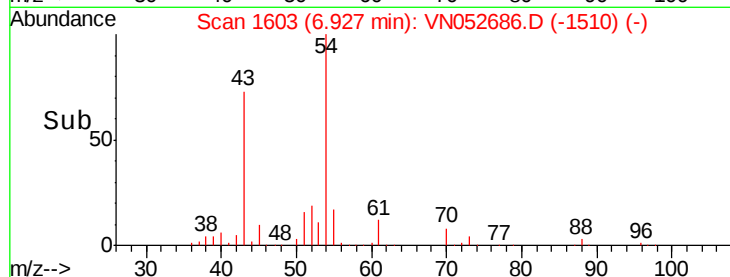
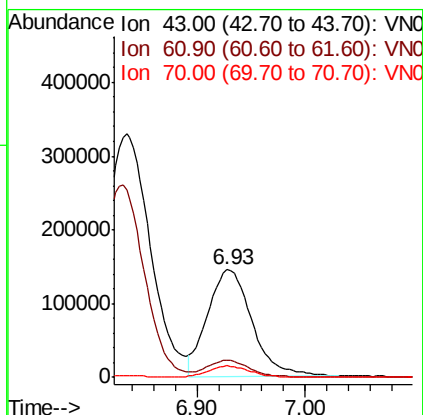
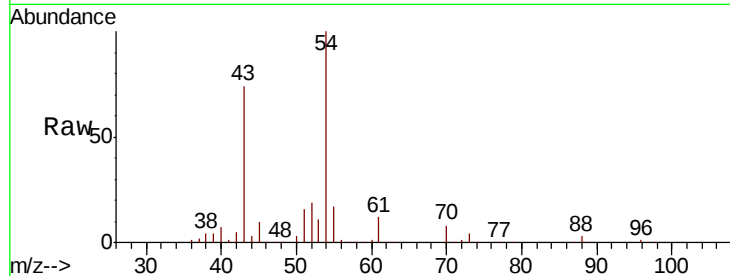




#37
Ethyl Acetate
Concen: 49.133 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

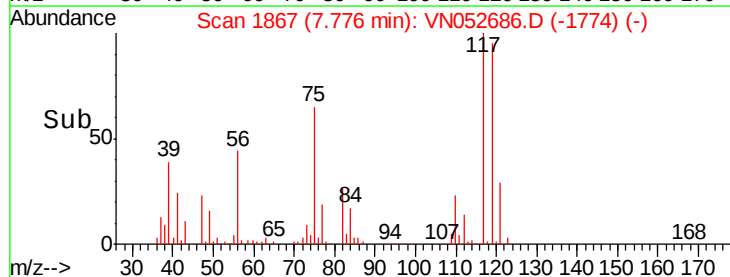
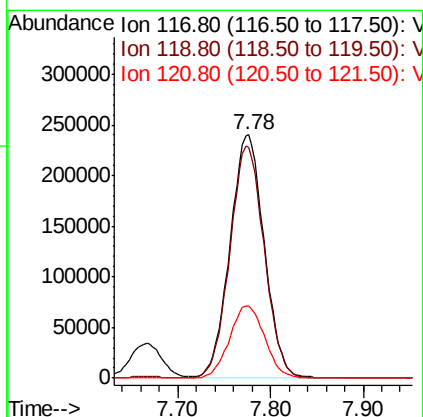
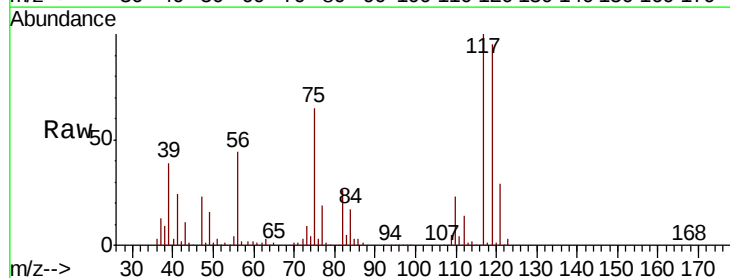
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

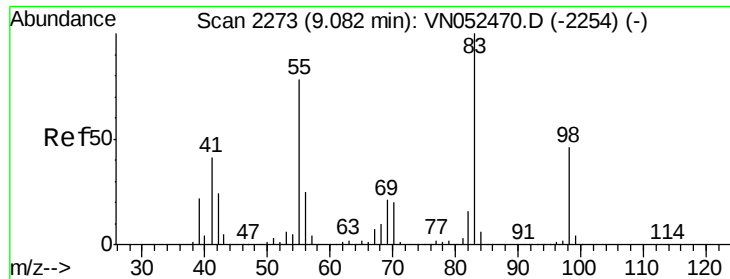
Tot Ion: 43 Resp: 412121
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 49.339 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 117 Resp: 613871
Ion Ratio Lower Upper
117 100
119 95.0 76.8 115.2
121 29.4 24.9 37.3

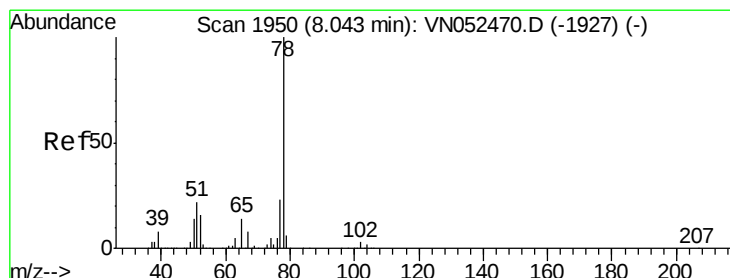
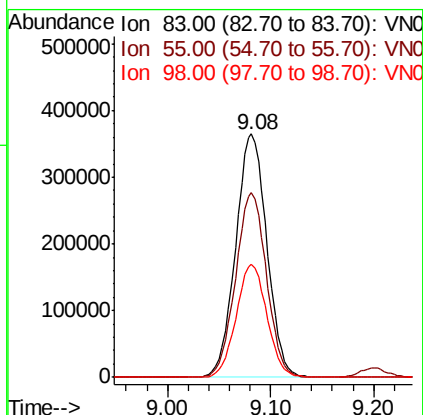
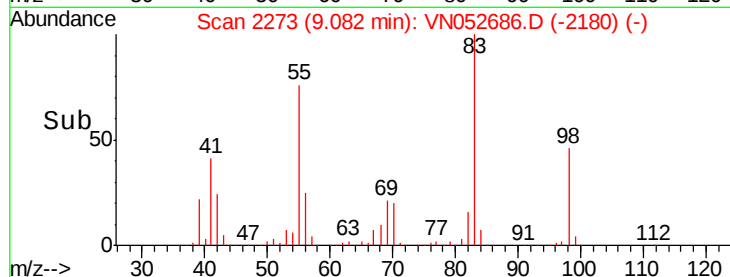
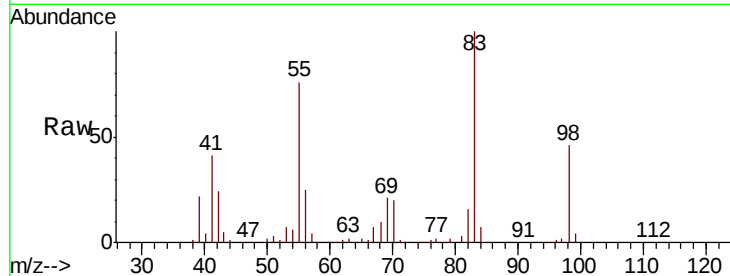




#39
Methvlcvclohexane
Concen: 45.875 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

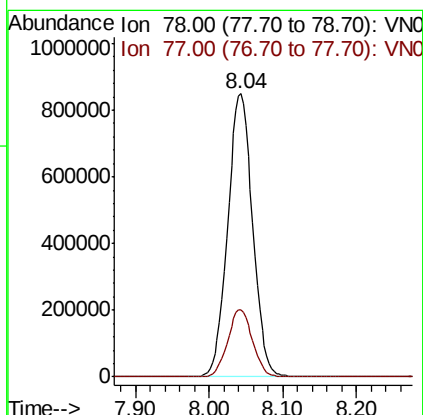
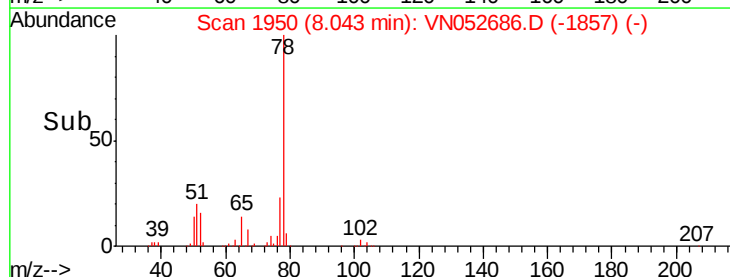
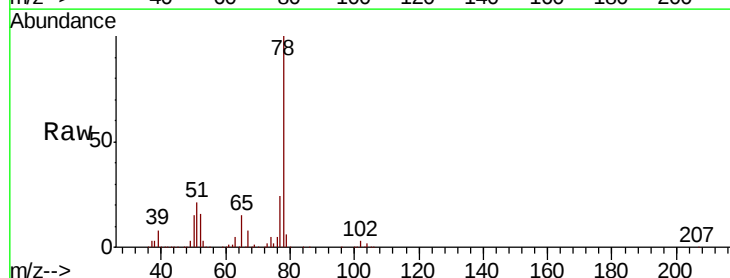
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

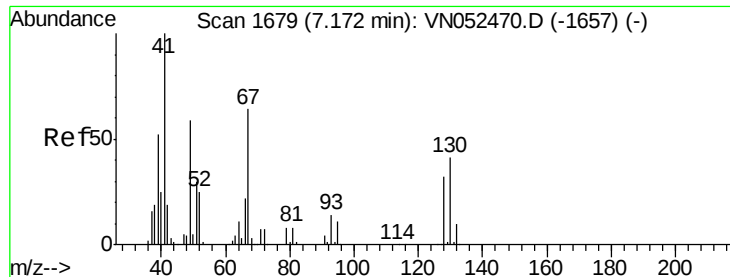
Tot Ion: 83 Resp: 766359
Ion Ratio Lower Upper
83 100
55 76.0 62.2 93.2
98 46.4 36.4 54.6



#40
Benzene
Concen: 48.590 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 78 Resp: 1990240
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

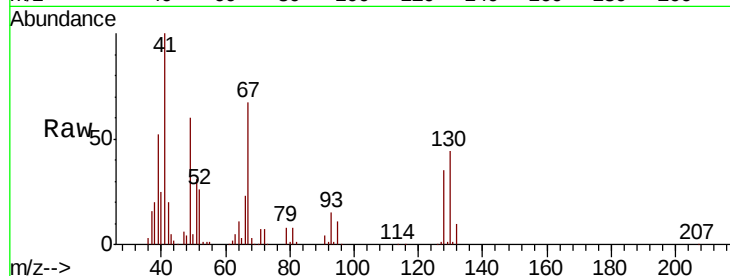




#41
Methacrylonitrile
Concen: 53.730 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	246389
Ion	Ratio	Lower	Upper
41	100		
39	55.9	50.9	76.3
67	80.4	63.6	95.4
52	31.6	24.4	36.6



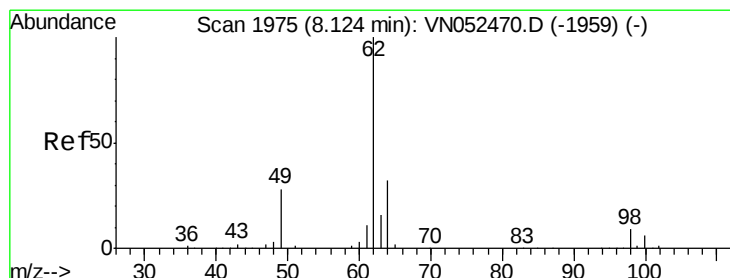
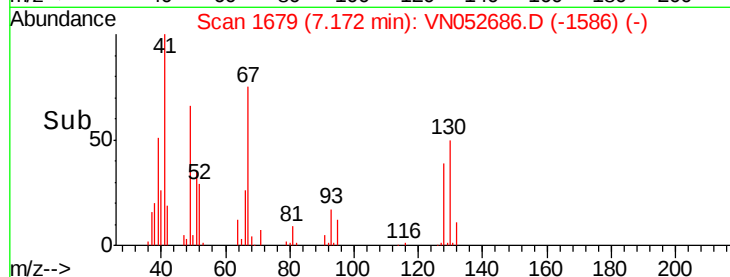
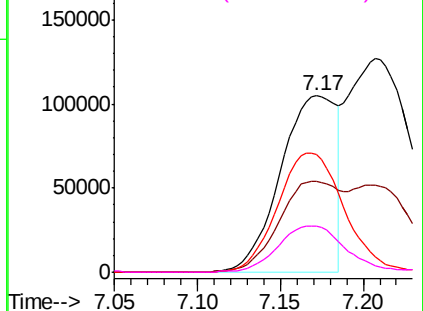
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

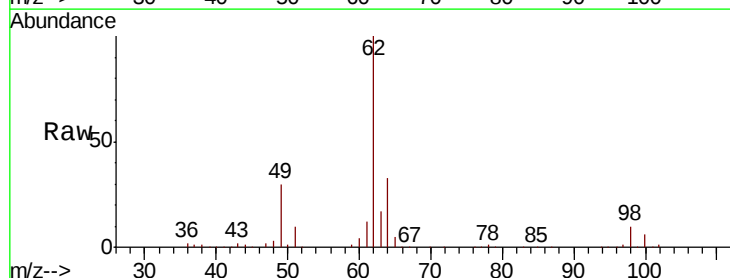
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 50.230 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

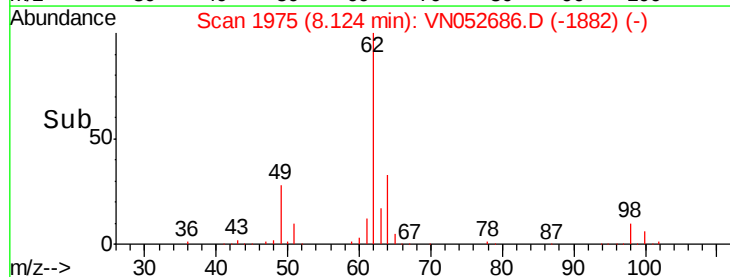
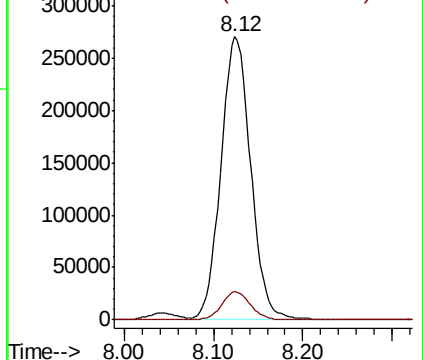
Tgt Ion:	62	Resp:	622962
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6

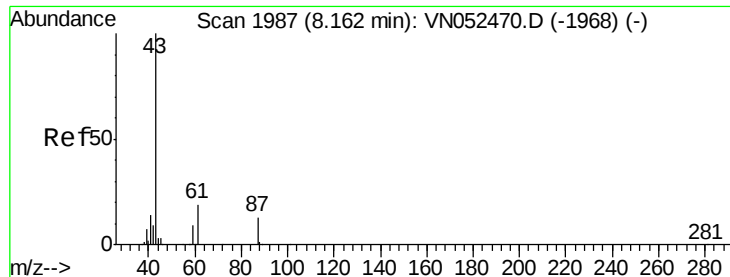


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.907 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

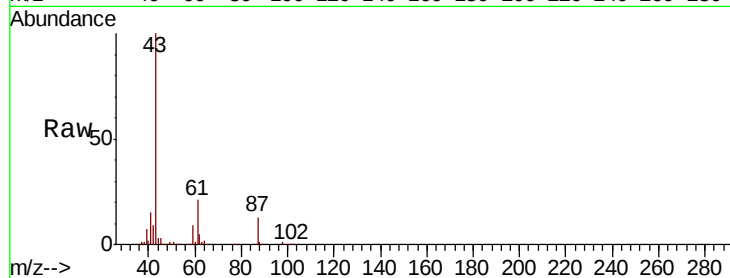
Tot Ion: 43 Resp: 765205

Ion Ratio Lower Upper

43 100

61 21.0 24.1 36.1#

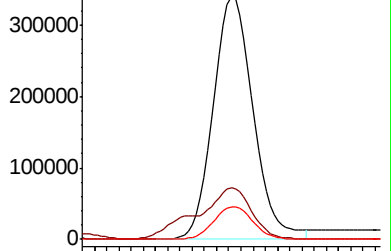
87 13.2 10.6 15.8



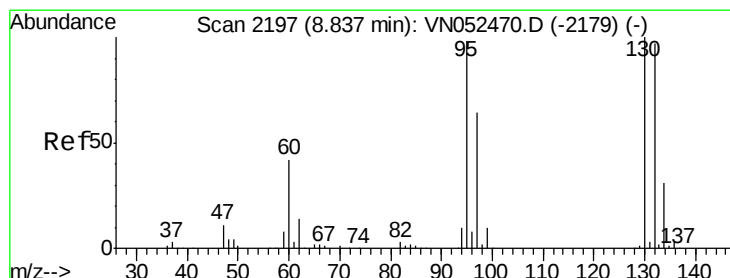
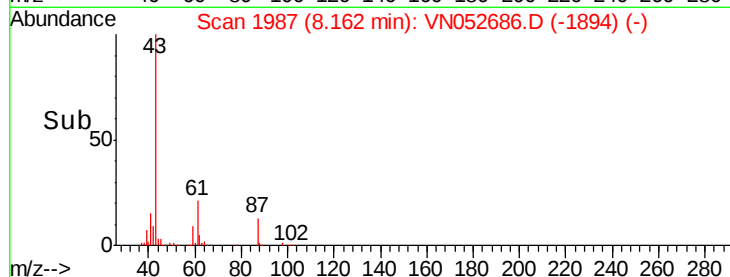
Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



Time-->



#44

Trichloroethene

Concen: 49.511 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052686.D

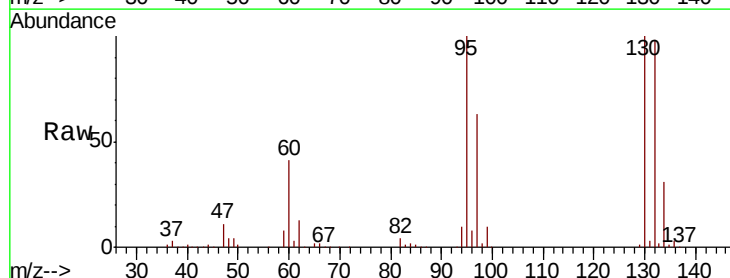
Acq: 5 Dec 2018 19:34

Tgt Ion:130 Resp: 519461

Ion Ratio Lower Upper

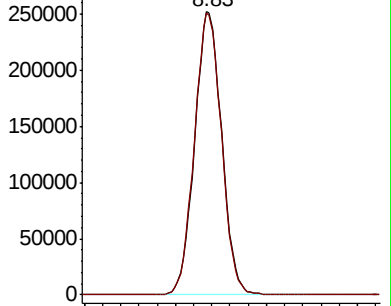
130 100

95 99.7 0.0 195.6

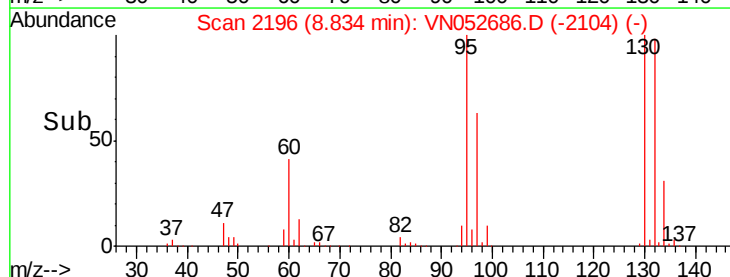


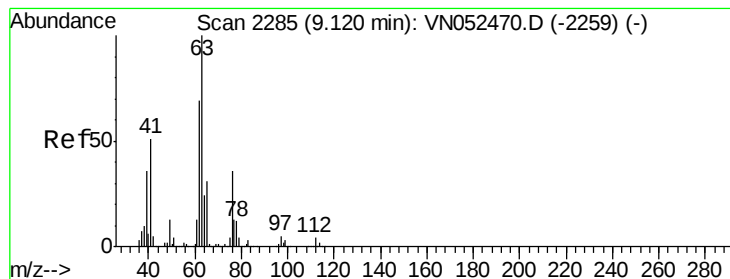
Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 49.517 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

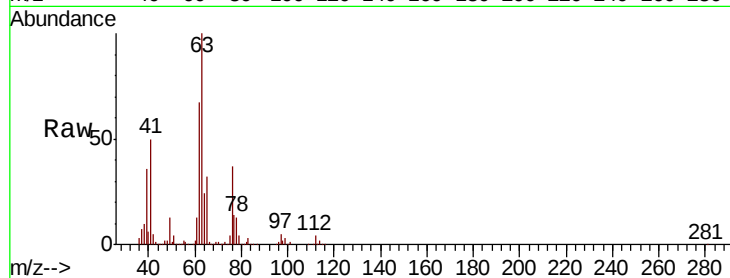
VSTDCCC050EC

Tot Ion: 63 Resp: 539228

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN052470.D (-2259) (-)

9.12

250000

200000

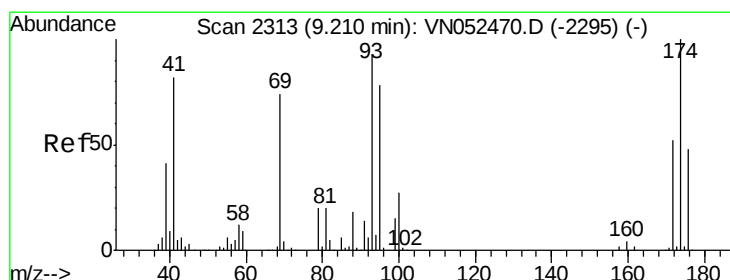
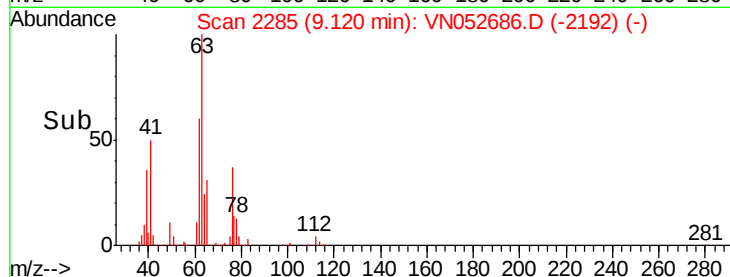
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.449 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

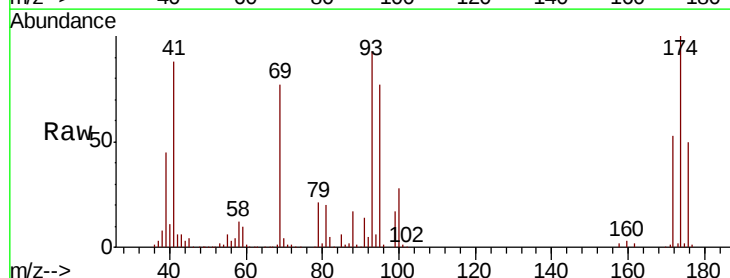
Tgt Ion: 93 Resp: 310152

Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 108.2 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN052470.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN052470.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN052470.D (-2295) (-)

9.21

200000

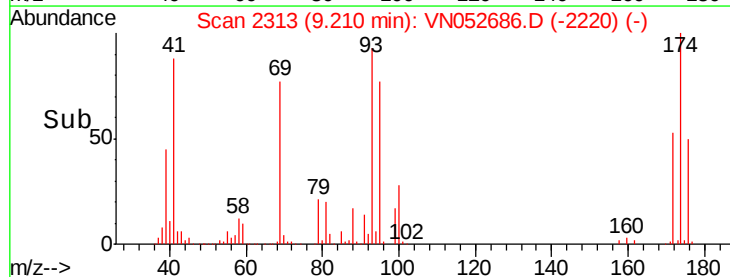
150000

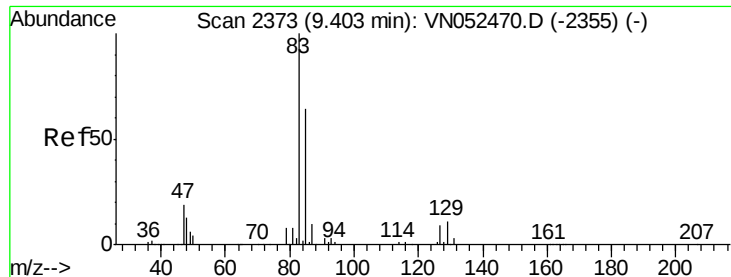
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.565 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

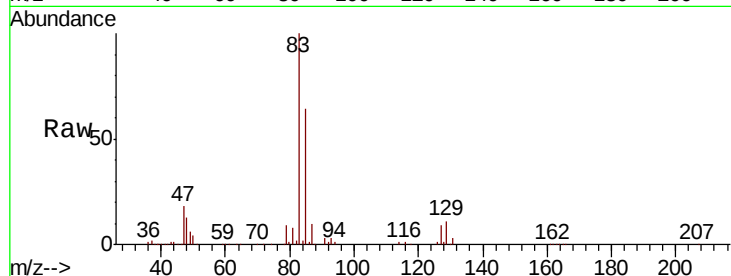
Tot Ion: 83 Resp: 662742

Ion Ratio Lower Upper

83 100

85 63.9 51.3 76.9

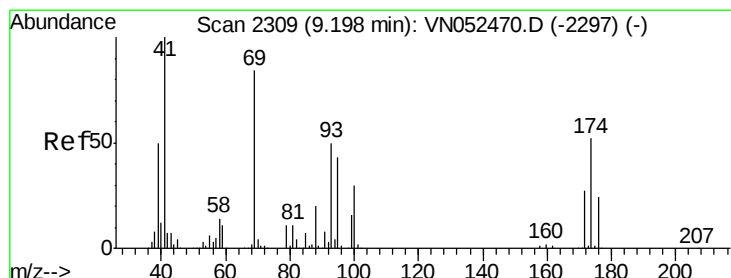
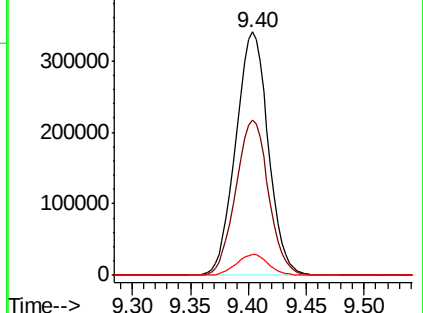
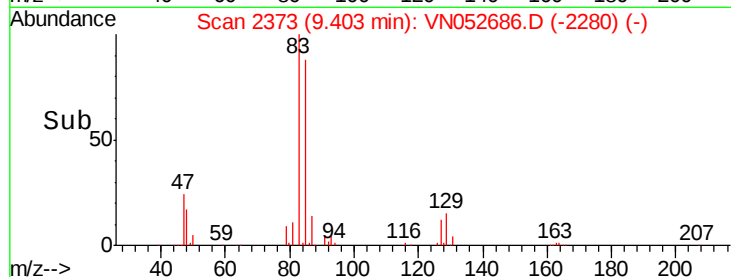
127 8.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052686.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052686.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052686.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.004 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

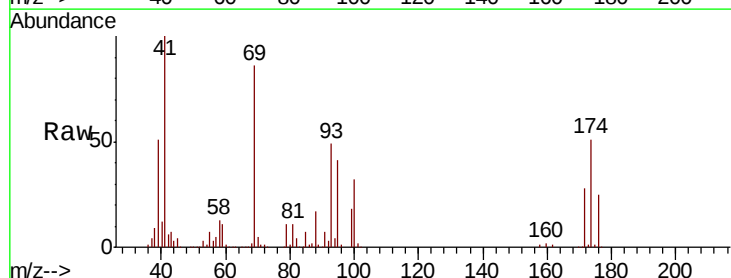
Tgt Ion: 41 Resp: 384910

Ion Ratio Lower Upper

41 100

69 89.6 70.0 105.0

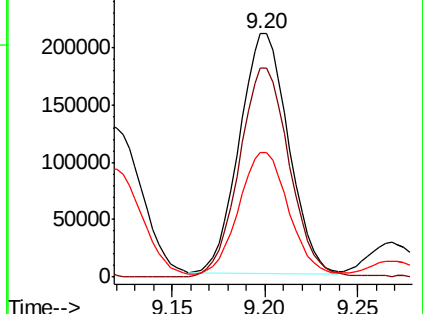
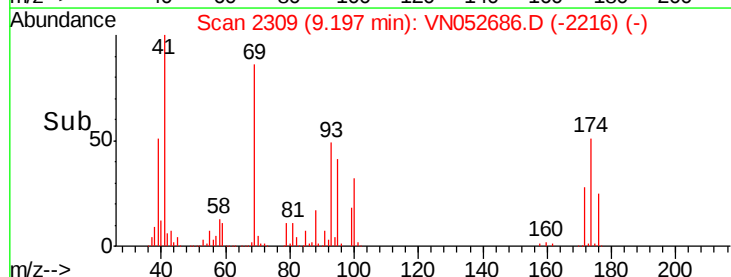
39 53.7 42.6 64.0

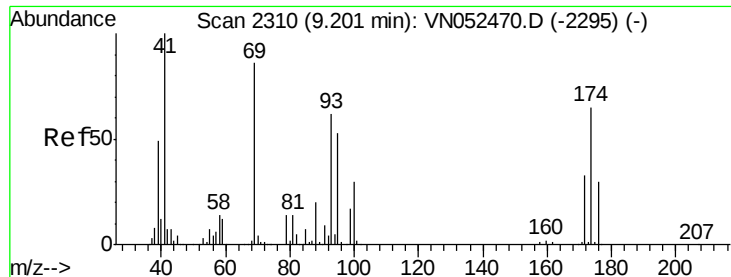


Abundance Ion 41.00 (40.70 to 41.70): VN052686.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052686.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052686.D (-2216) (-)

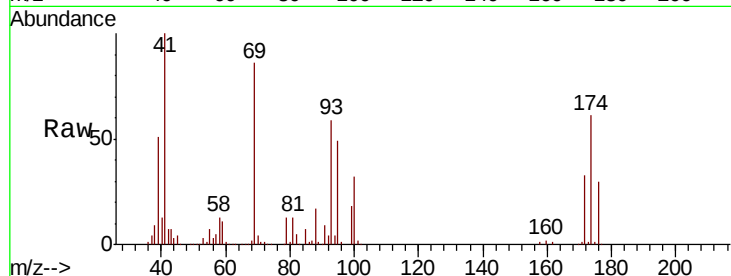




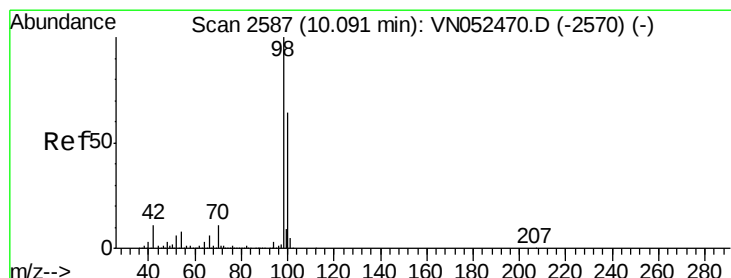
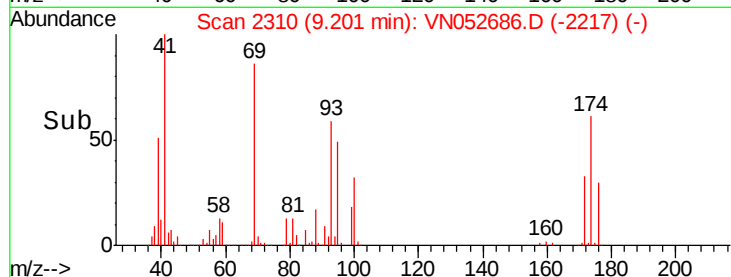
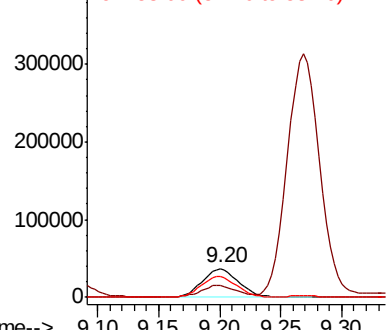
#49
1,4-Dioxane
Concen: 1005.497 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 77238
Ion Ratio Lower Upper
88 100
43 35.2 26.4 39.6
58 72.4 55.4 83.0

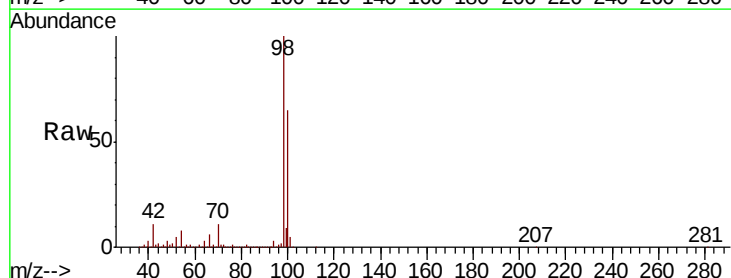


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

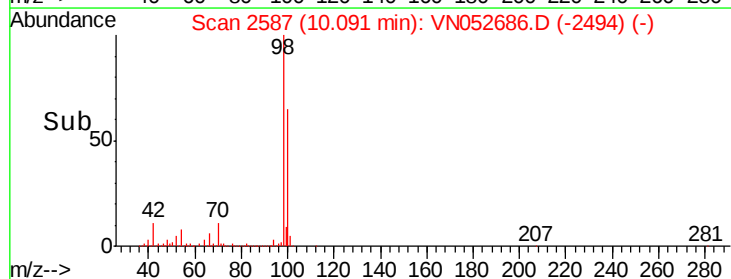
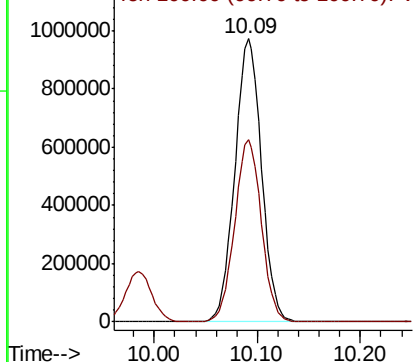


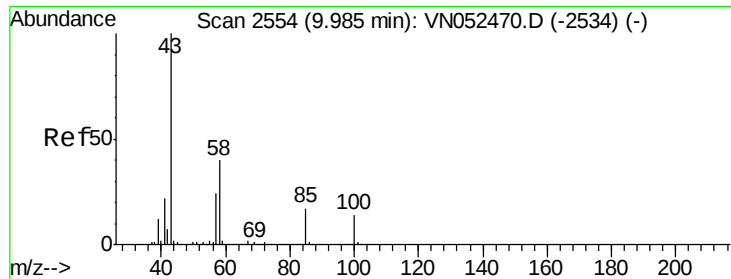
#50
Toluene-d8
Concen: 1005.497 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 98 Resp: 1747660
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 267.010 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

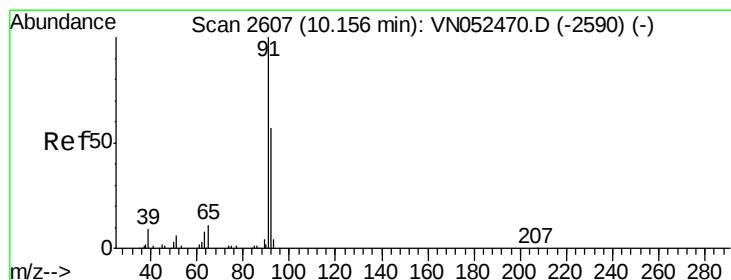
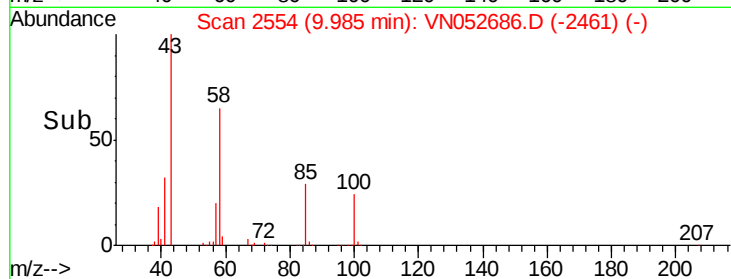
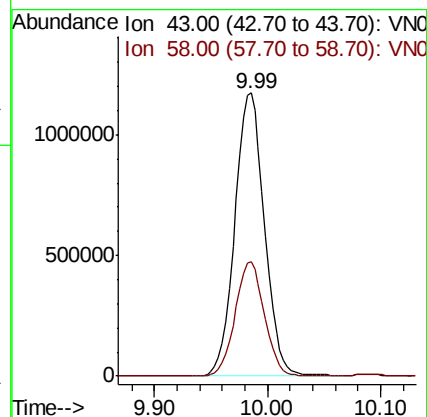
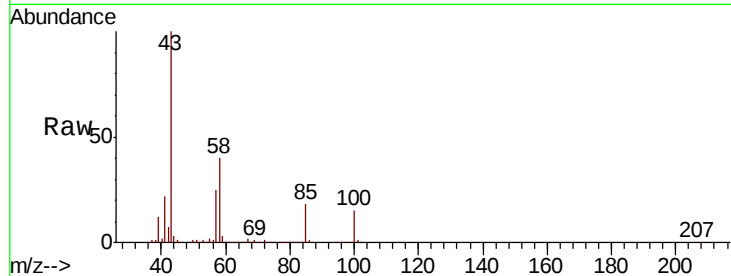
VSTDCCC050EC

Tot Ion: 43 Resp: 2126542

Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3



#52

Toluene

Concen: 50.181 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052686.D

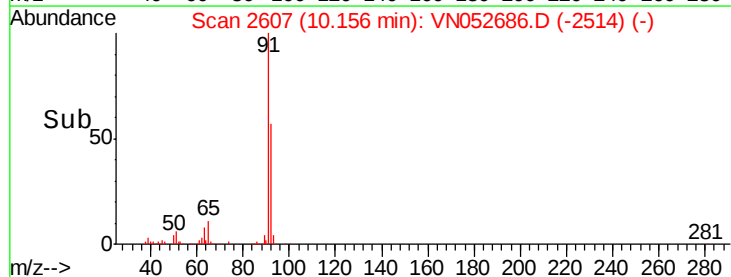
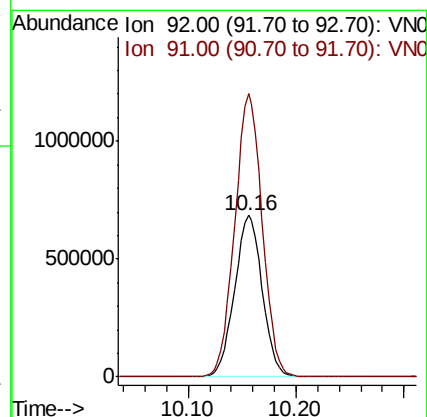
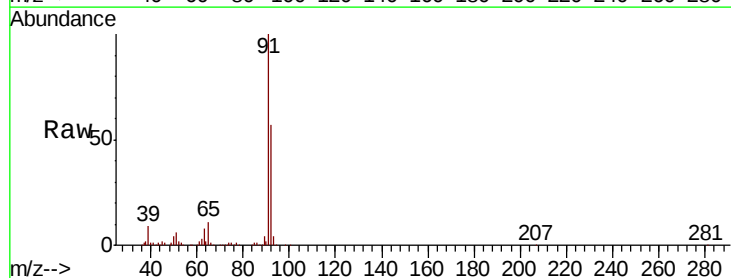
Acq: 5 Dec 2018 19:34

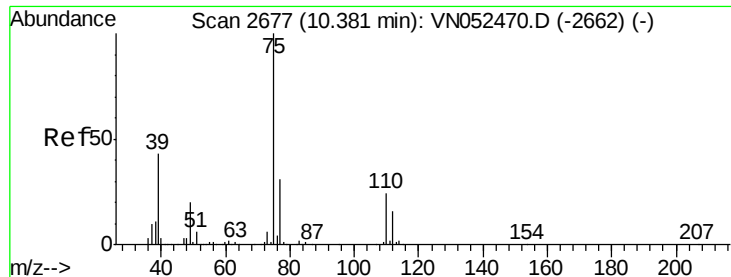
Tgt Ion: 92 Resp: 1221201

Ion Ratio Lower Upper

92 100

91 174.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 52.988 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

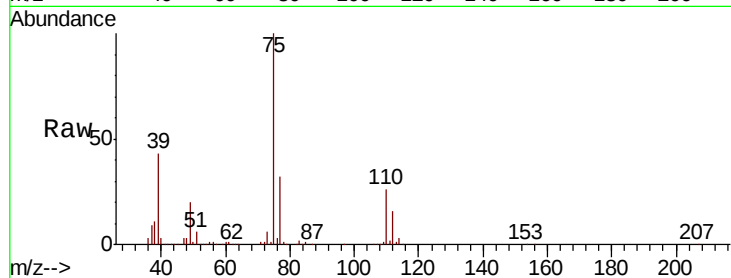
VSTDCCC050EC

Tot Ion: 75 Resp: 668123

Ion Ratio Lower Upper

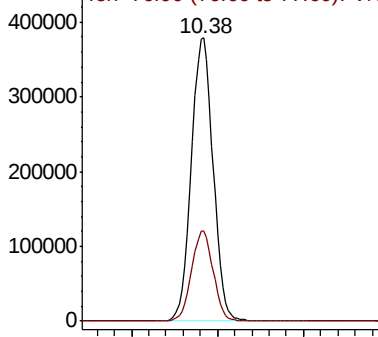
75 100

77 31.8 25.0 37.4

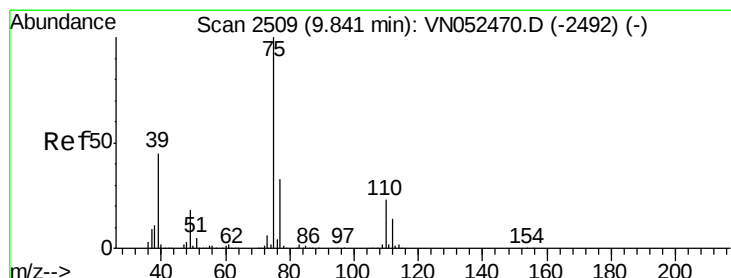
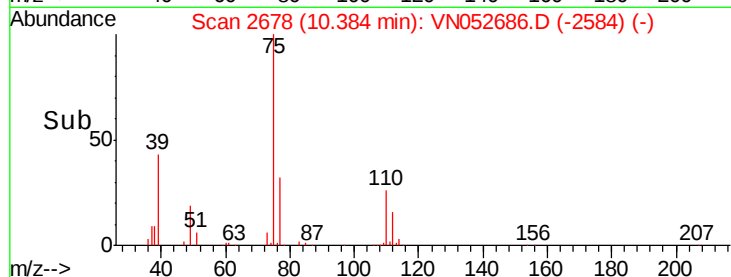


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.586 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

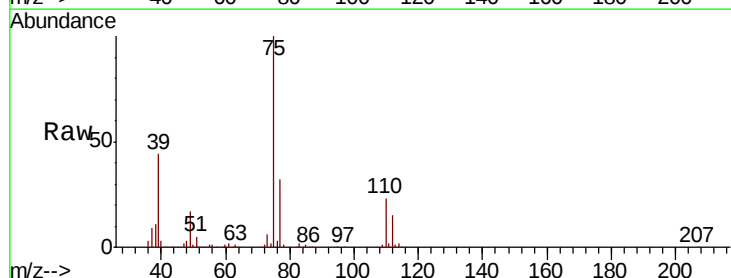
Tgt Ion: 75 Resp: 779476

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

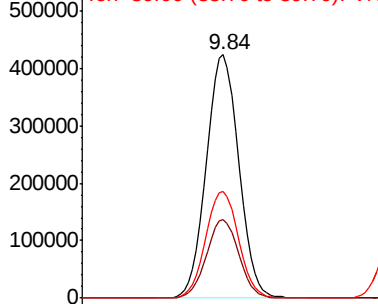
39 43.9 36.0 54.0



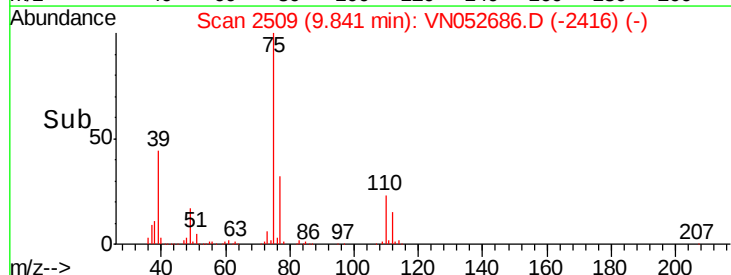
Abundance Ion 74.90 (74.60 to 75.60): VN0

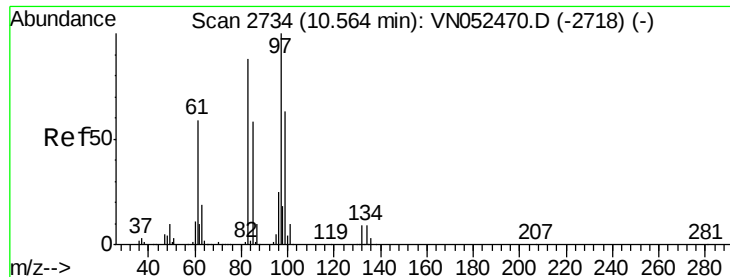
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

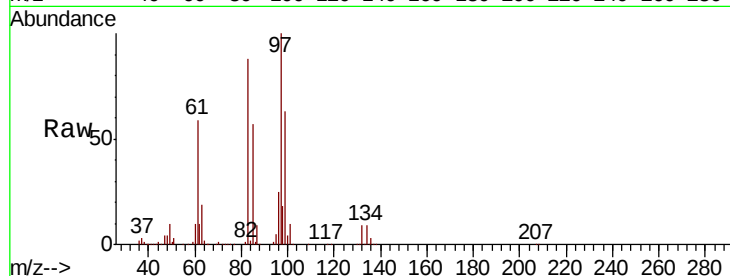




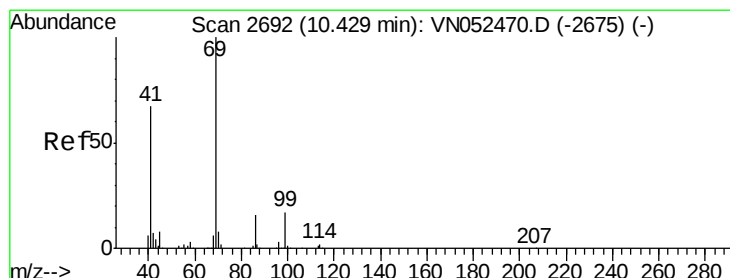
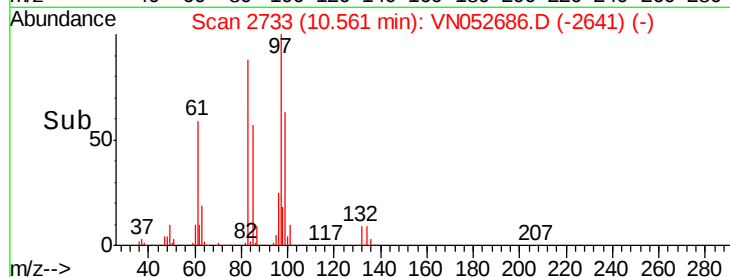
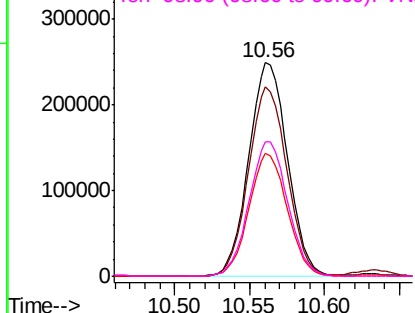
#55
 1,1,2-Trichloroethane
 Concen: 52.589 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 450179
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.7 106.1
 85 57.5 46.1 69.1
 99 63.1 50.8 76.2

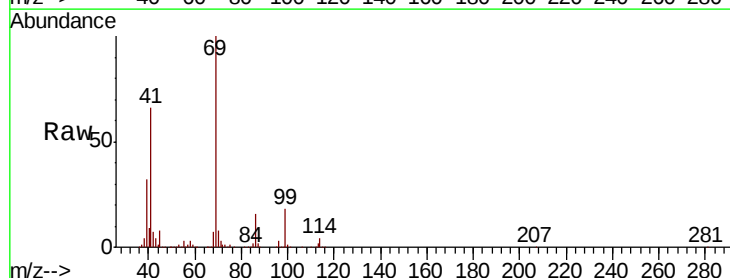


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

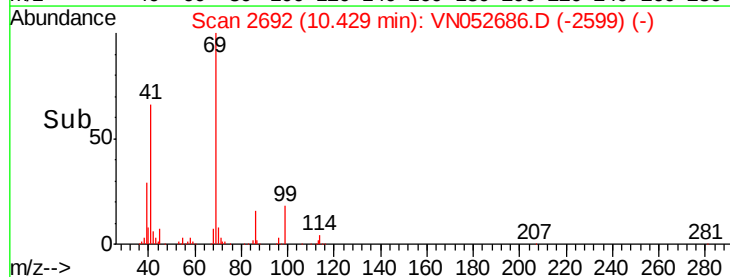
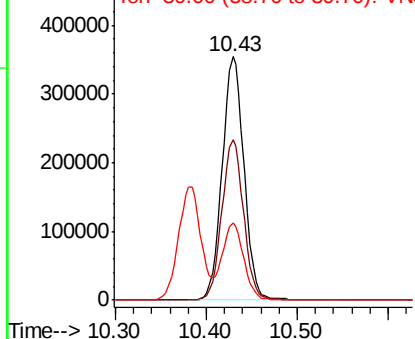


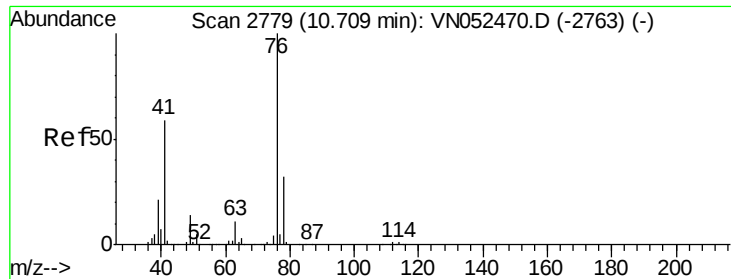
#56
 Ethyl methacrylate
 Concen: 49.571 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 69 Resp: 588955
 Ion Ratio Lower Upper
 69 100
 41 64.8 52.6 79.0
 39 31.4 25.9 38.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

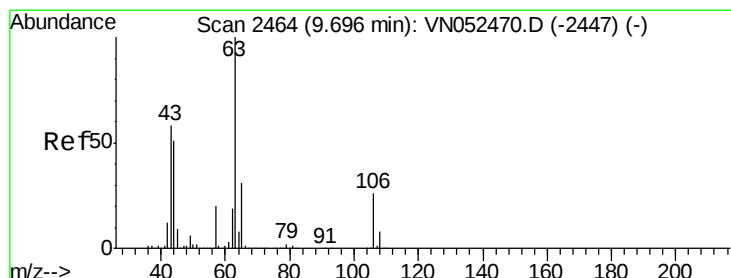
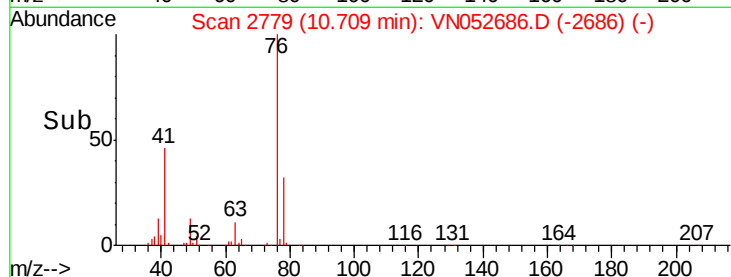
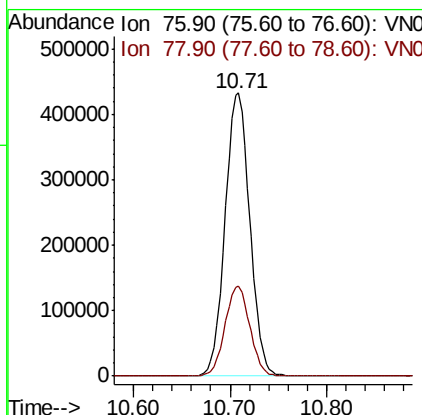
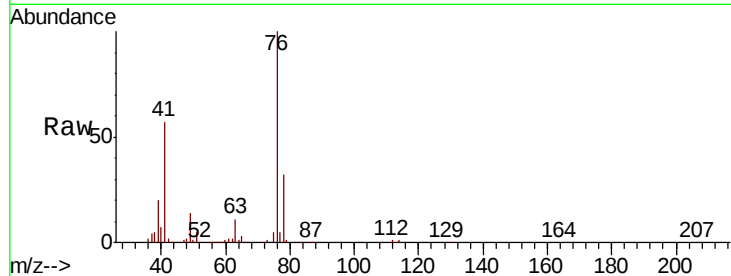




#57
 1,3-Dichloropropane
 Concen: 50.781 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

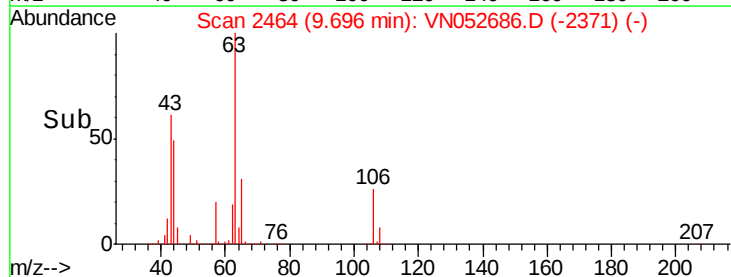
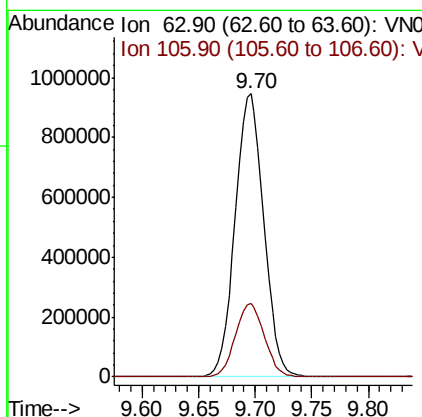
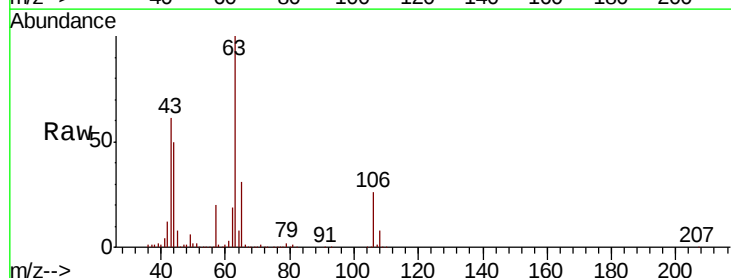
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

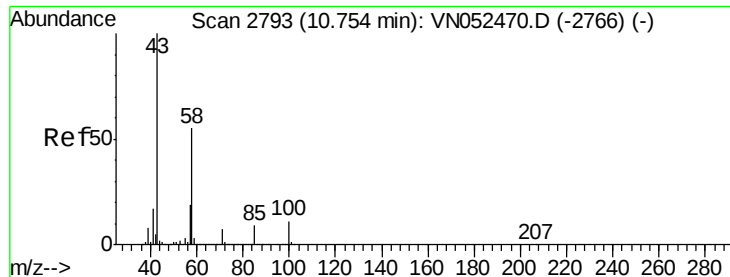
Tot Ion: 76 Resp: 767563
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.259 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 63 Resp: 1672518
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8

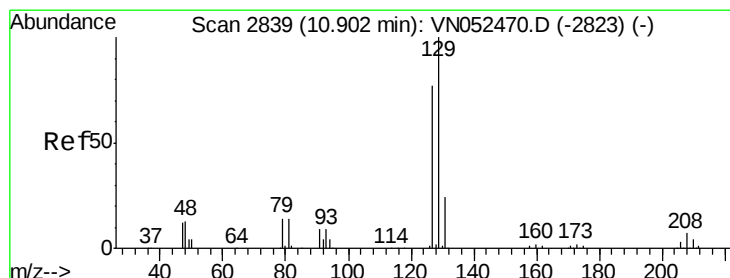
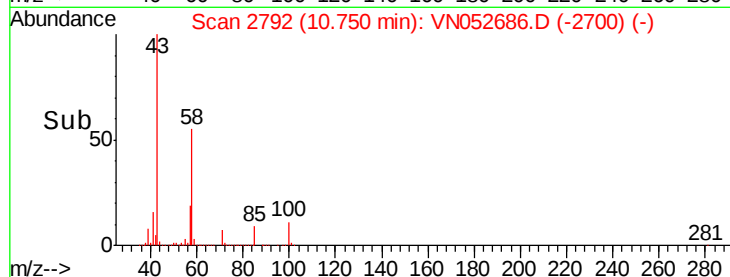
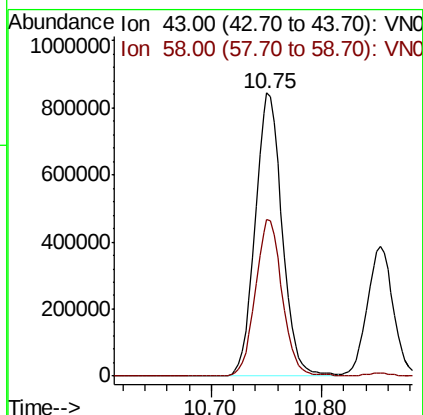
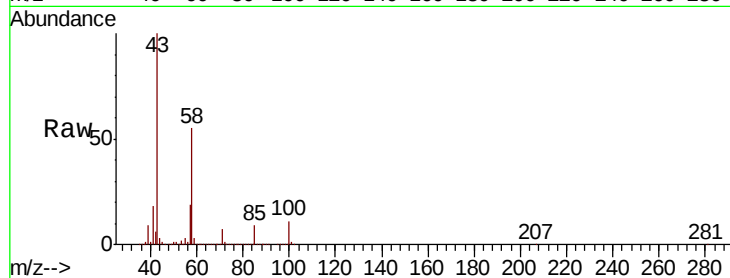




#59
2-Hexanone
Concen: 266.168 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

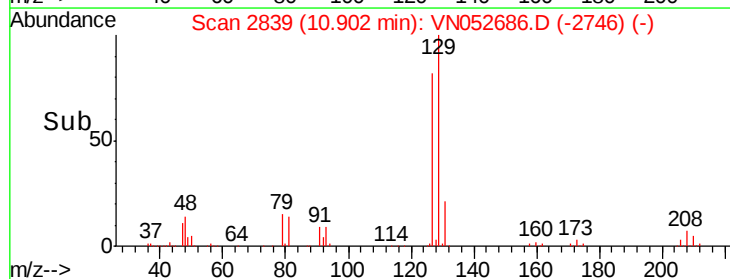
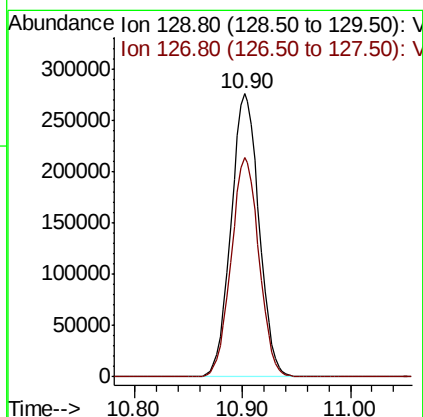
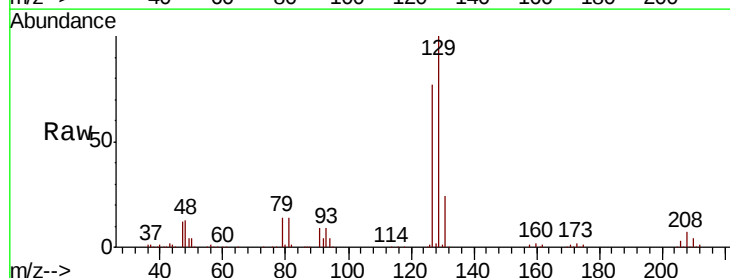
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

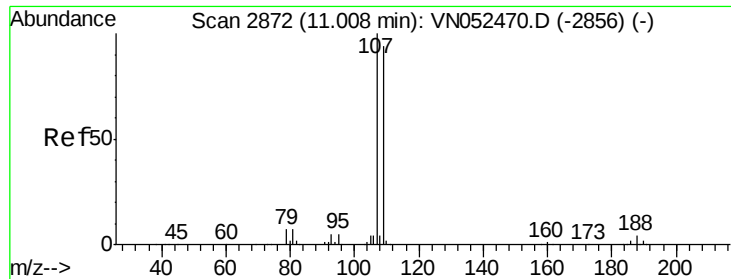
Tot Ion: 43 Resp: 1422733
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.0



#60
Dibromochloromethane
Concen: 53.724 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 129 Resp: 499491
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6

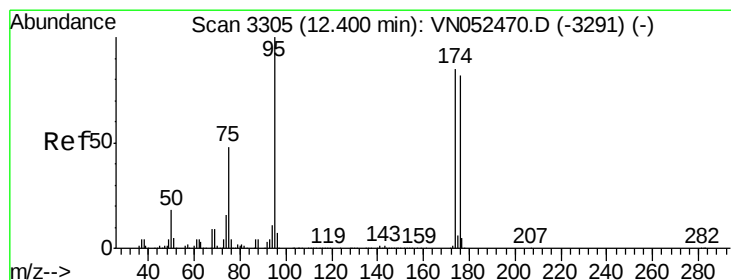
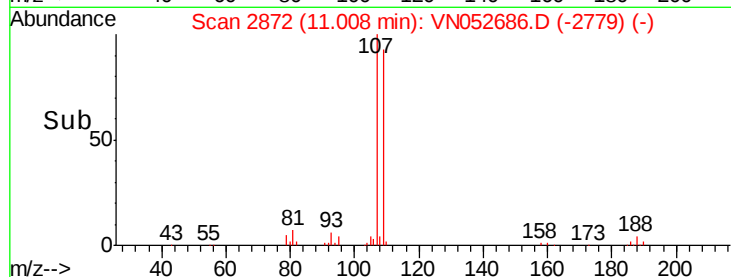
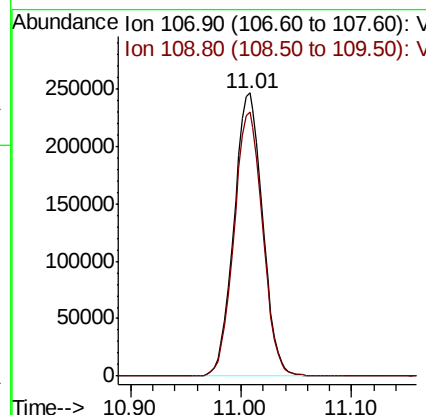
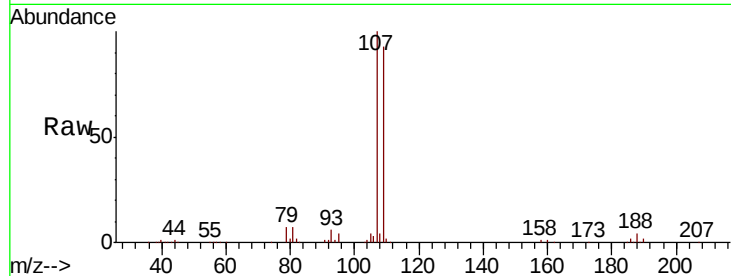




#61
 1,2-Dibromoethane
 Concen: 52.152 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

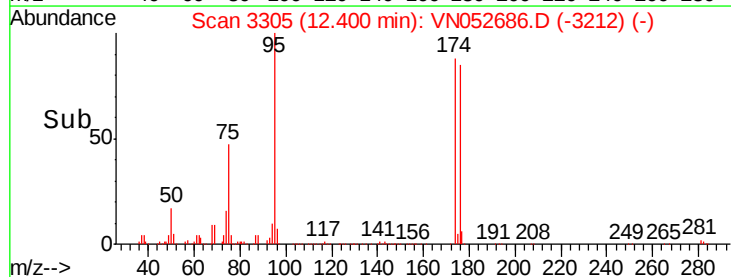
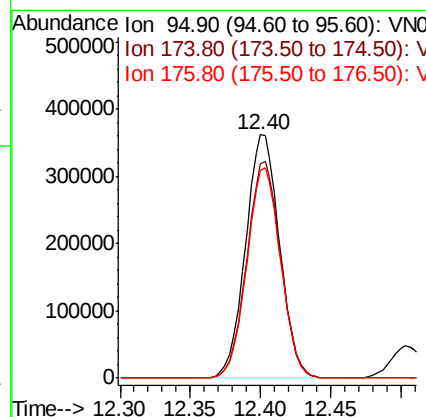
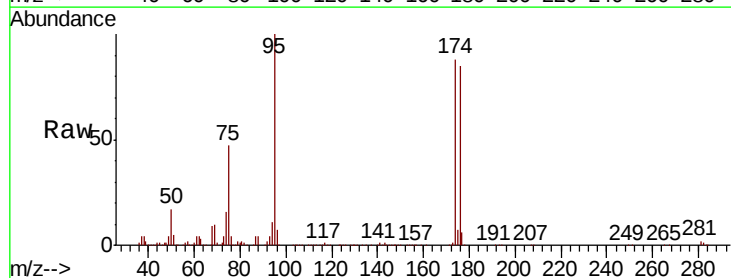
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

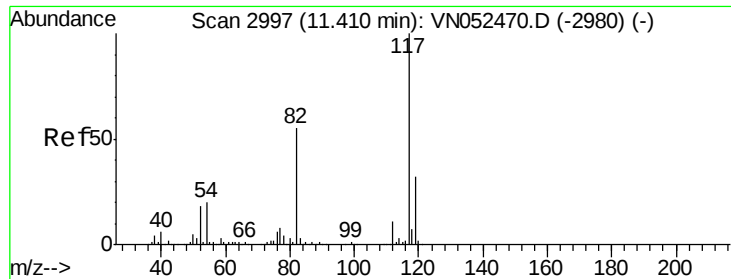
Tot Ion:107 Resp: 443404
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.152 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 95 Resp: 610361
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 173.0
 176 86.2 0.0 166.2

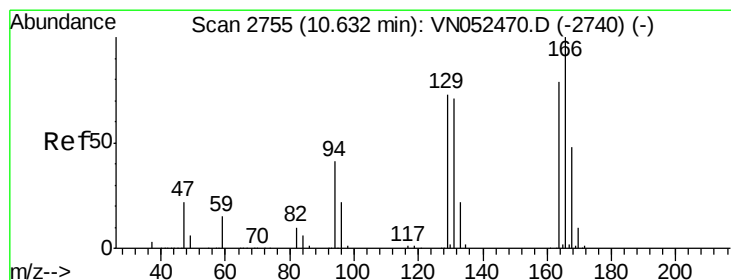
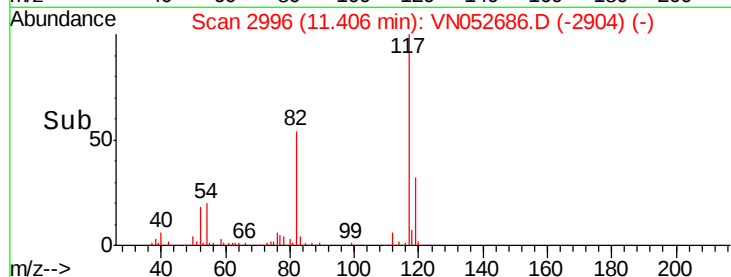
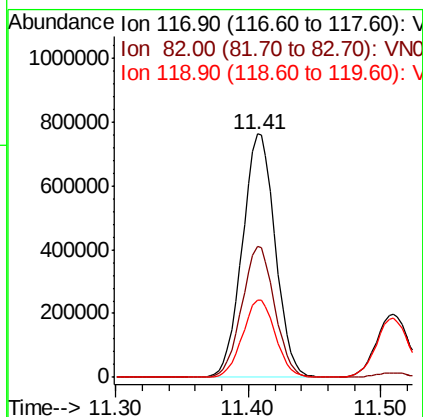
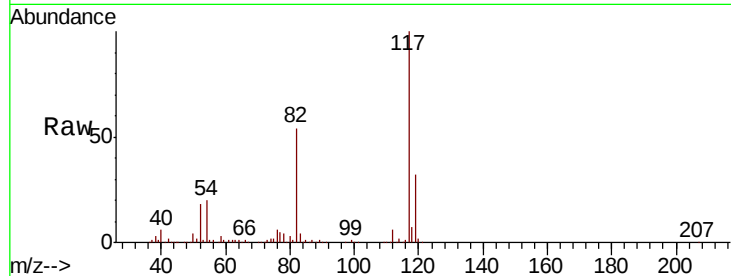




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

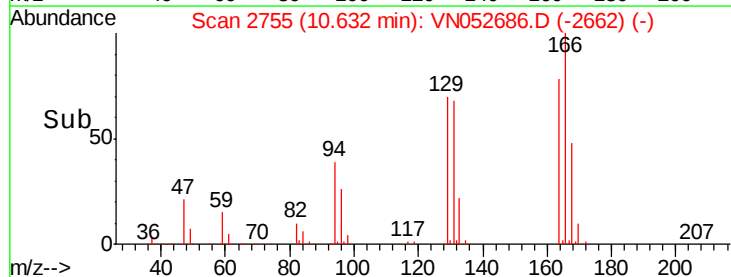
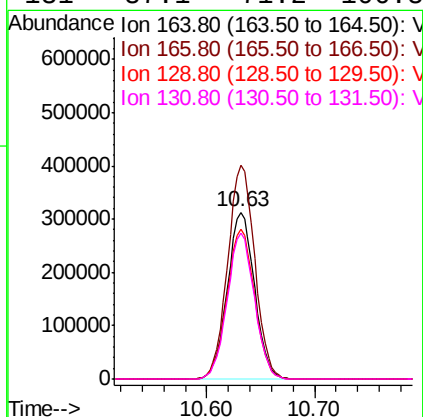
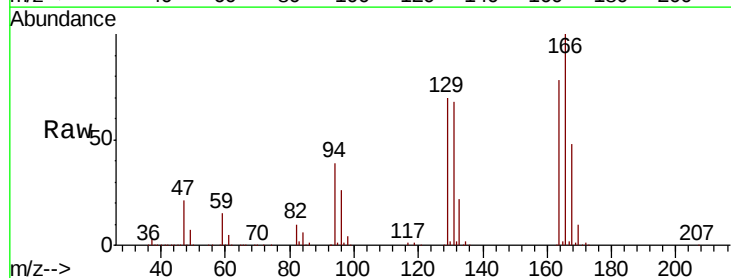
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

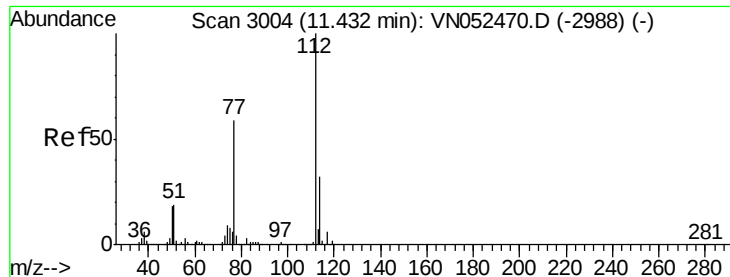
Tot Ion:117 Resp: 1308739
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 53.891 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion:164 Resp: 546838
Ion Ratio Lower Upper
164 100
166 127.9 101.0 151.4
129 89.6 73.8 110.6
131 87.1 71.2 106.8





#65

Chlorobenzene

Concen: 49.812 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

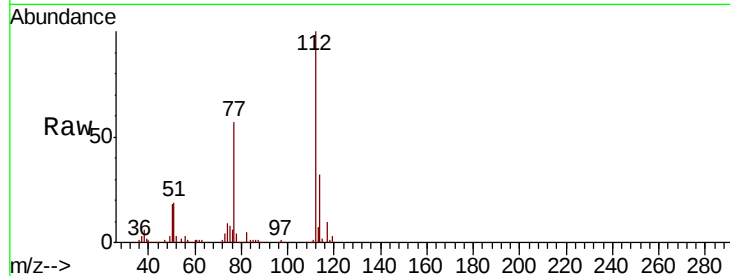
VSTDCCC050EC

Tot Ion:112 Resp: 1344228

Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

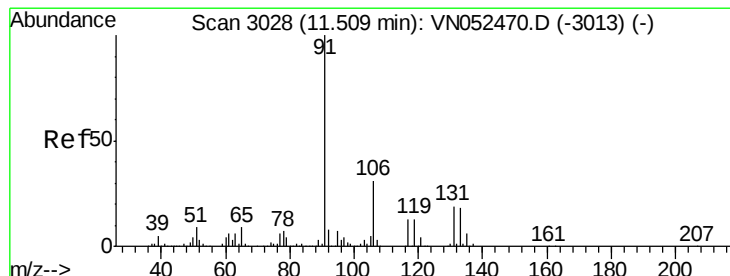
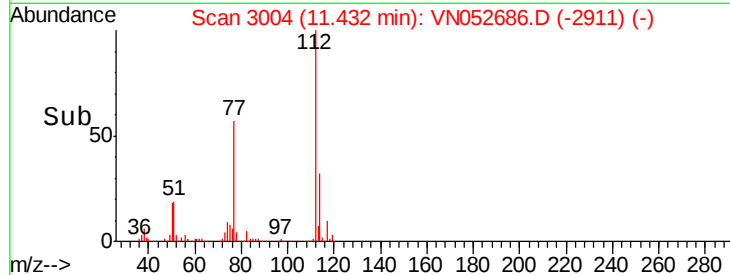
400000

200000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.410 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

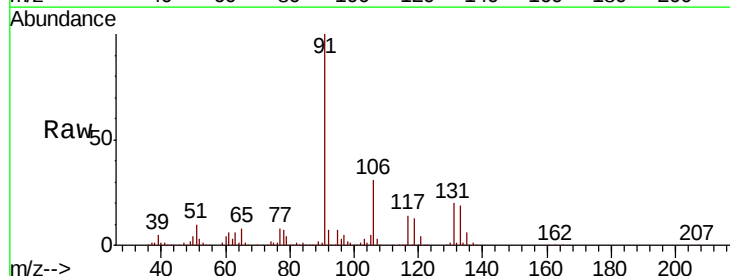
Tgt Ion:131 Resp: 482387

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

119 66.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

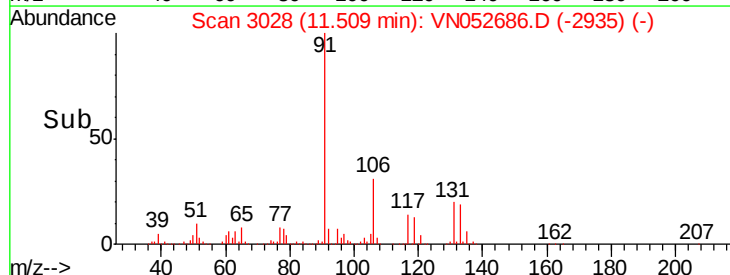
200000

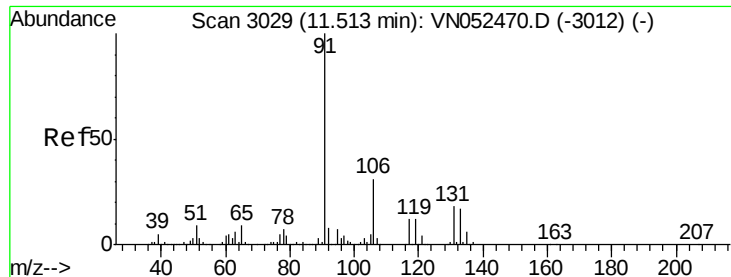
100000

0

11.45 11.50 11.55 11.60

Time-->

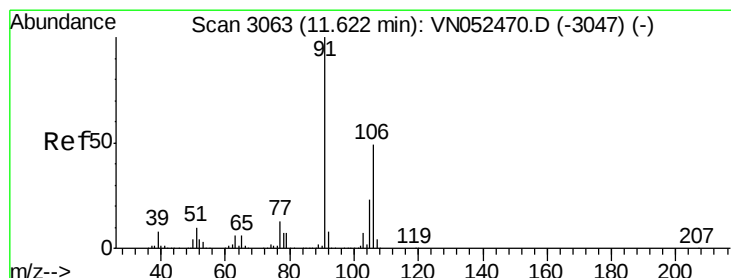
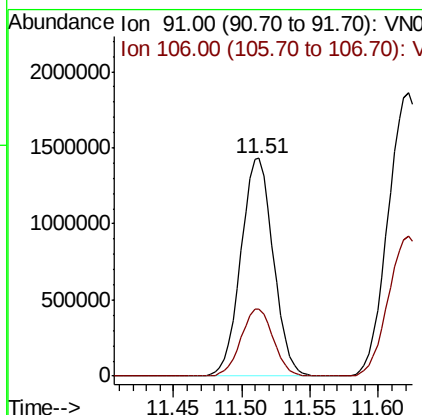
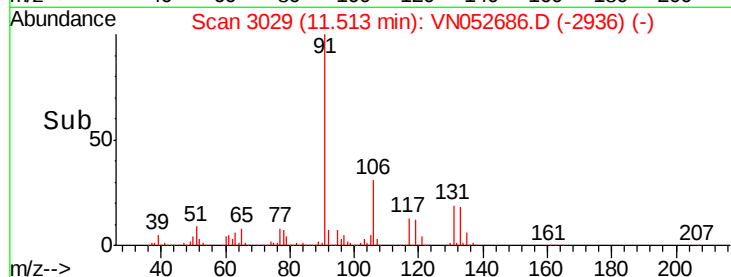
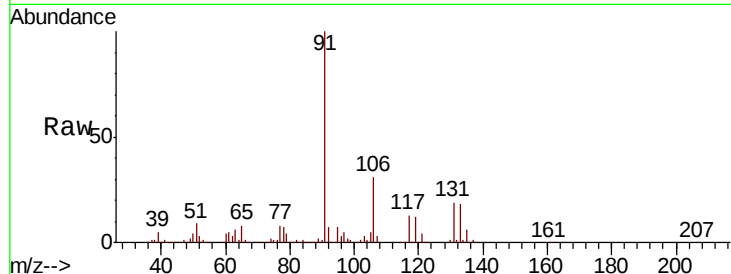




#67
Ethyl Benzene
Concen: 49.901 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

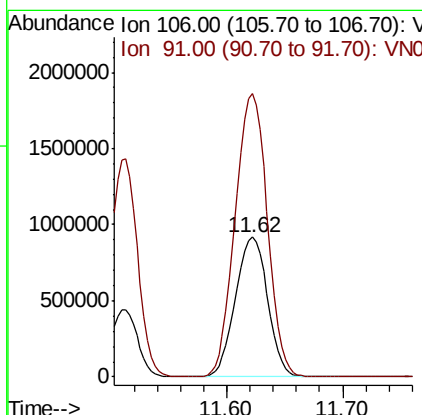
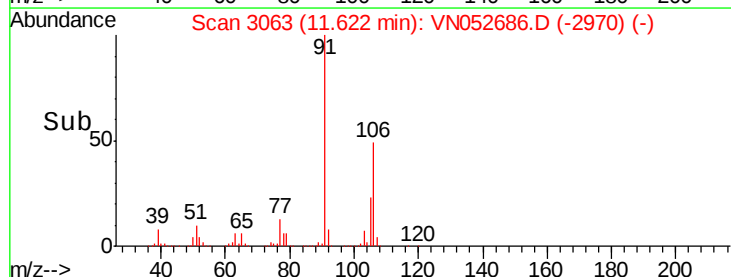
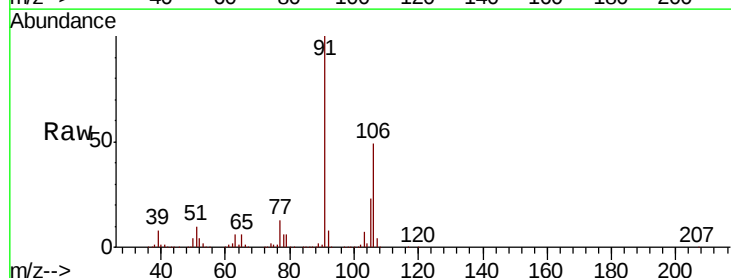
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

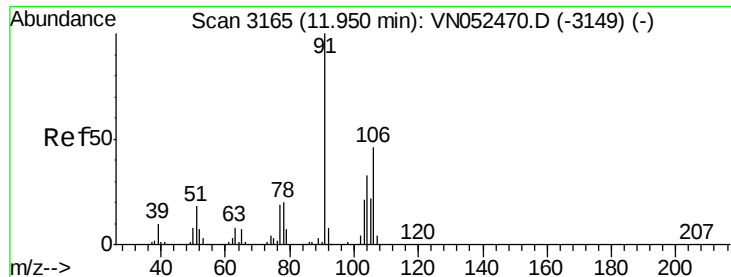
Tot Ion: 91 Resp: 2358179
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 100.548 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 106 Resp: 1768916
Ion Ratio Lower Upper
106 100
91 202.6 163.2 244.8

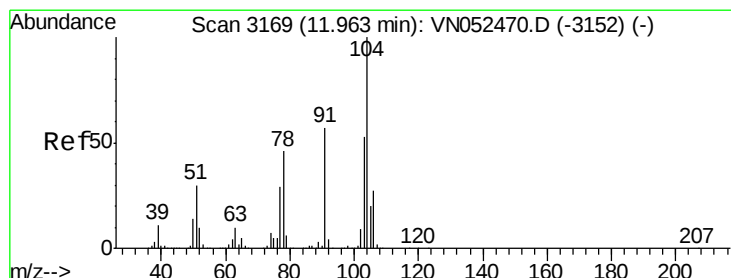
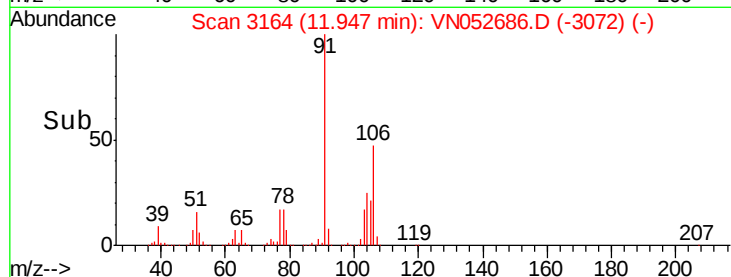
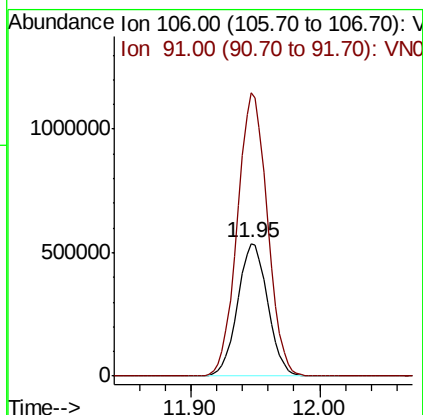
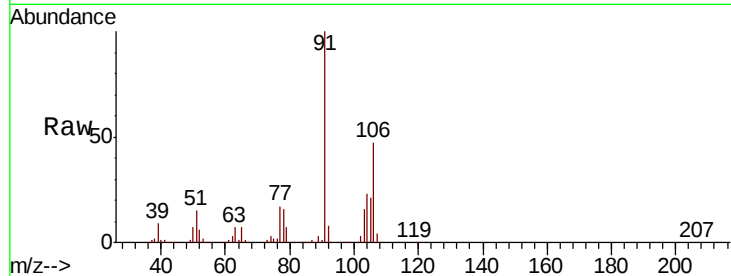




#69
o-Xylene
Concen: 50.934 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

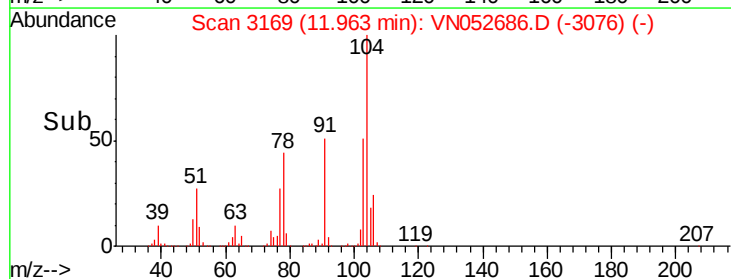
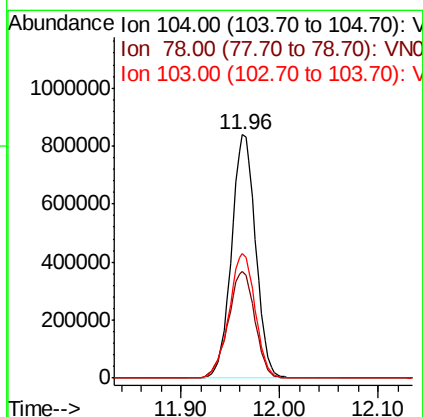
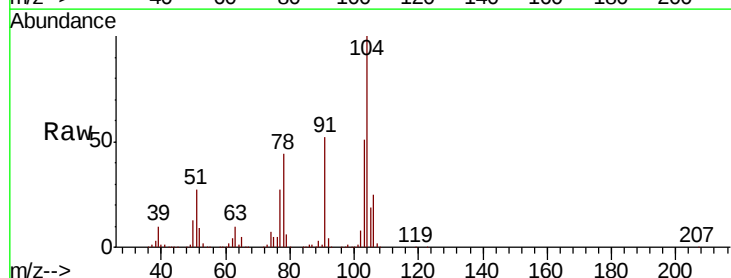
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

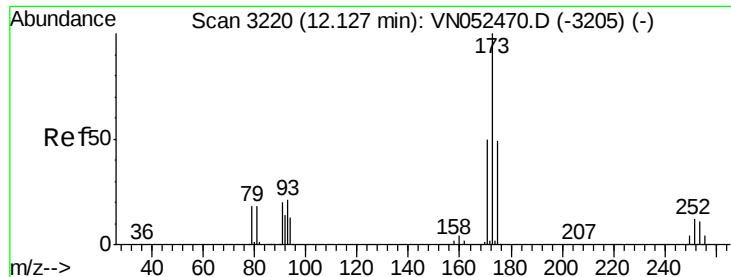
Tot Ion:106 Resp: 870164
Ion Ratio Lower Upper
106 100
91 213.6 107.7 323.1



#70
Styrene
Concen: 52.385 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion:104 Resp: 1425444
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.2
103 55.5 44.9 67.3

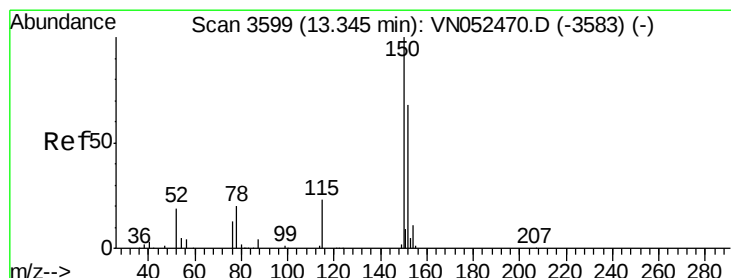
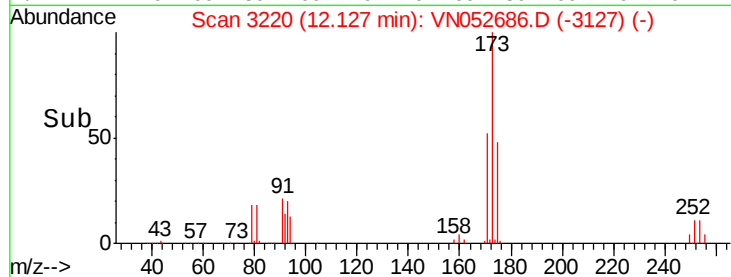
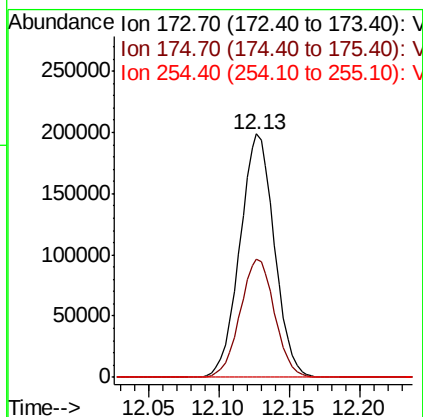
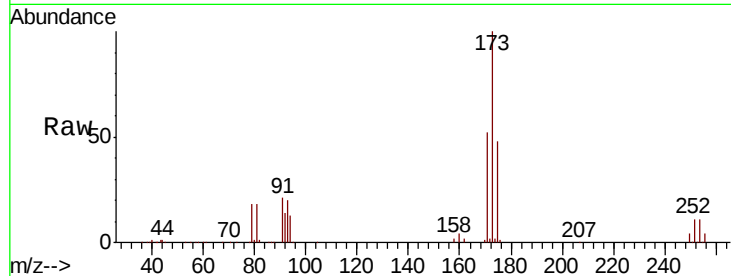




#71
 Bromoform
 Concen: 54.797 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

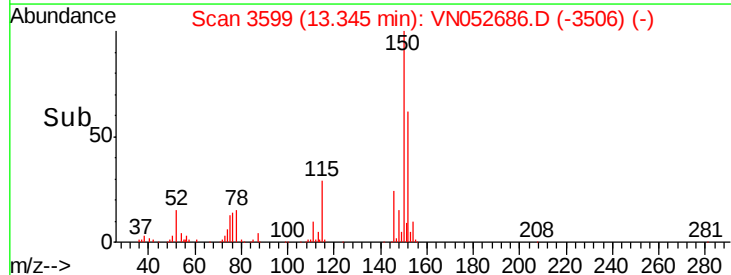
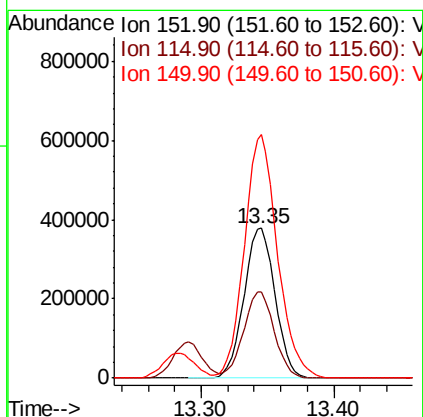
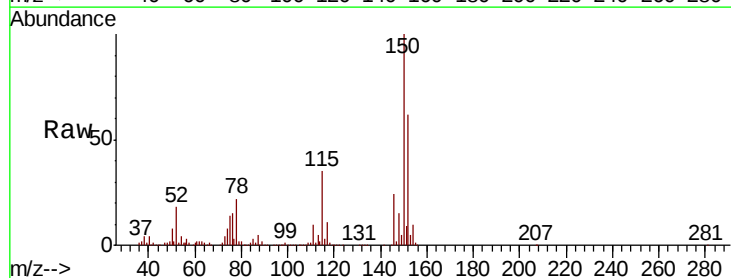
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

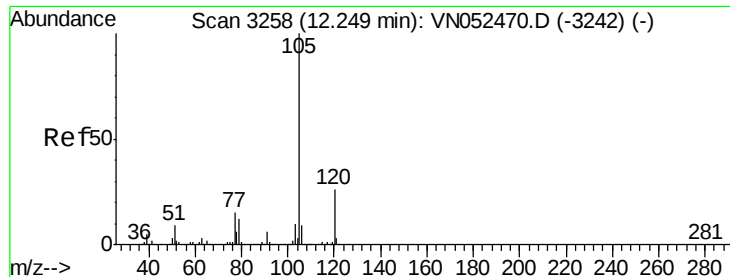
Tot Ion:173 Resp: 340444
 Ion Ratio Lower Upper
 173 100
 175 48.4 24.4 73.2
 254 0.2 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion:152 Resp: 615075
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.4 85.2
 150 172.9 0.0 346.0





#73

Isopropylbenzene

Concen: 48.074 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

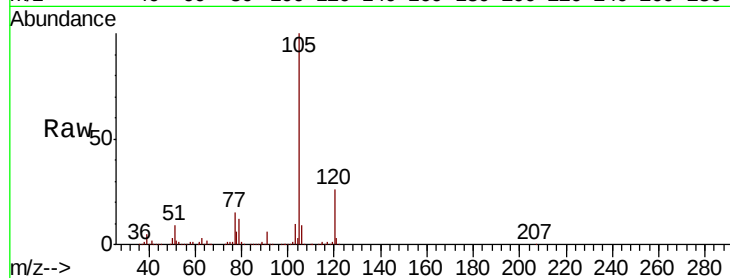
VSTDCCC050EC

Tot Ion:105 Resp: 2319854

Ion Ratio Lower Upper

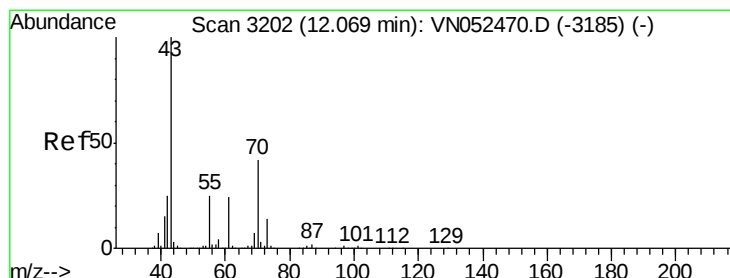
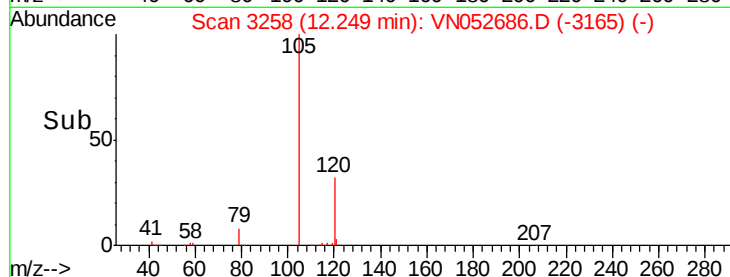
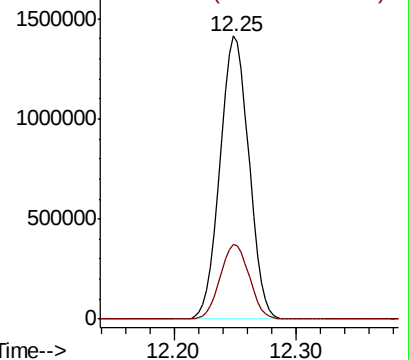
105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion: 43 Resp: 641780

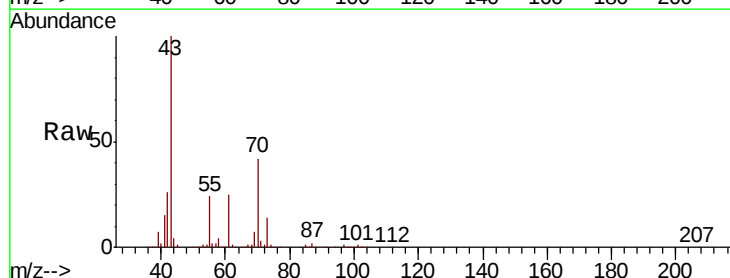
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 25.3 20.0 30.0

61 24.7 19.7 29.5

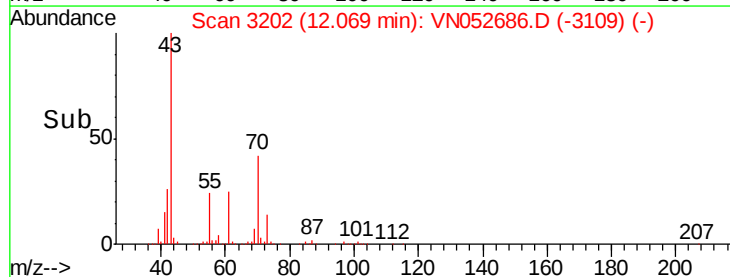
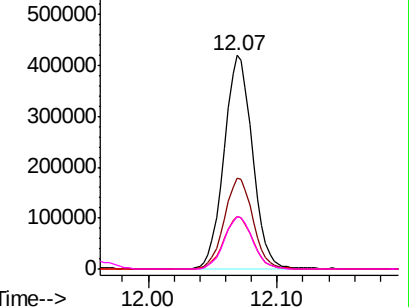


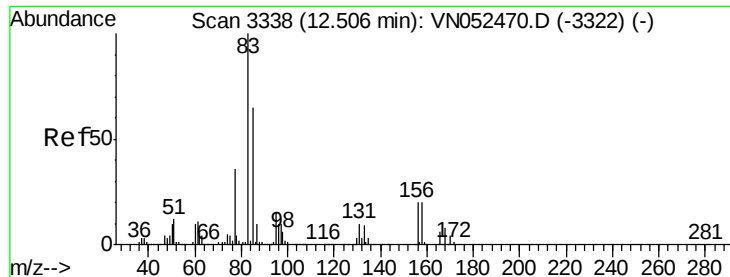
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.431 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

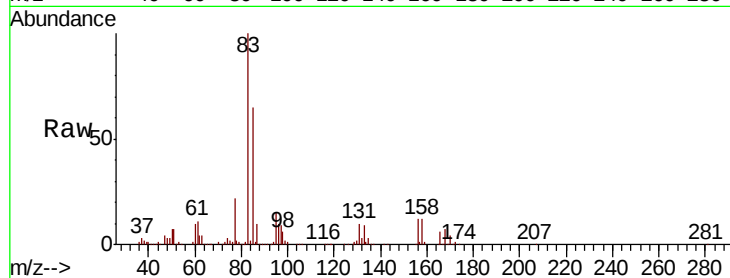
Tot Ion: 83 Resp: 531642

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)

12.50

300000

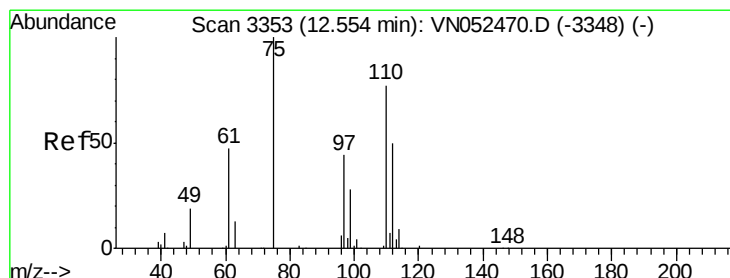
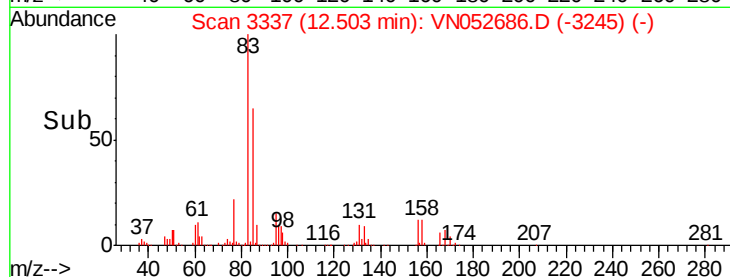
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.602 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052686.D

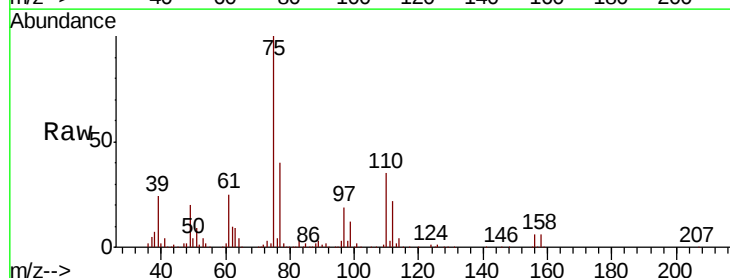
Acq: 5 Dec 2018 19:34

Tgt Ion: 75 Resp: 679126

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)

600000

500000

400000

300000

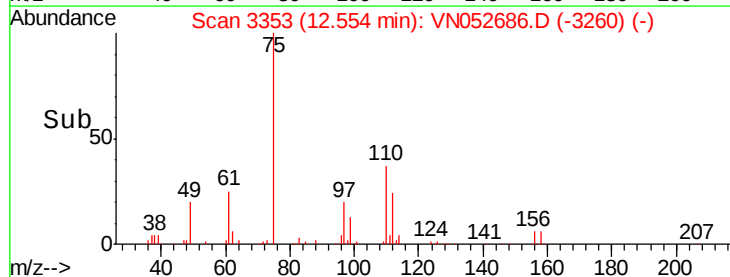
200000

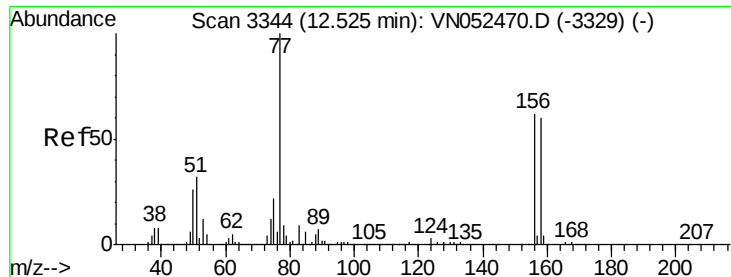
100000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 49.278 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

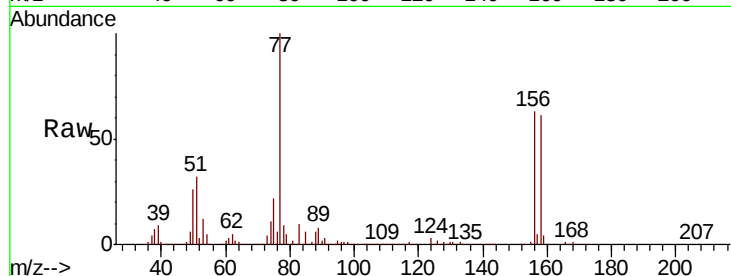
Tot Ion:156 Resp: 587771

Ion Ratio Lower Upper

156 100

77 182.4 93.5 280.4

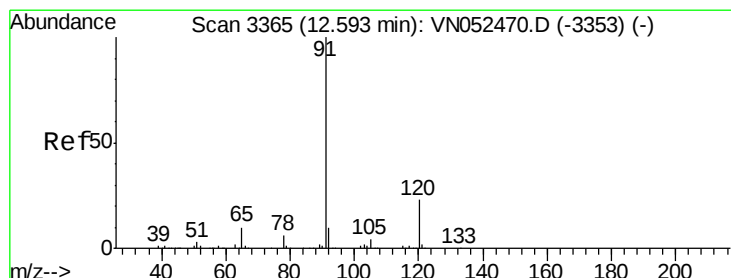
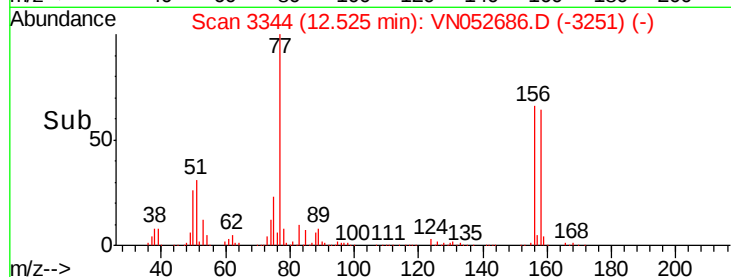
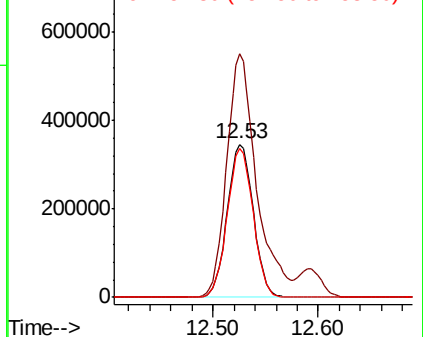
158 96.7 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.610 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052686.D

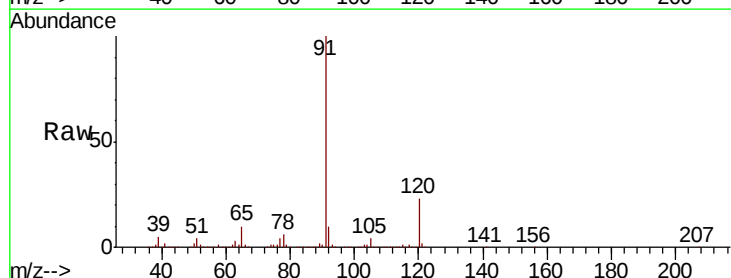
Acq: 5 Dec 2018 19:34

Tgt Ion: 91 Resp: 2664875

Ion Ratio Lower Upper

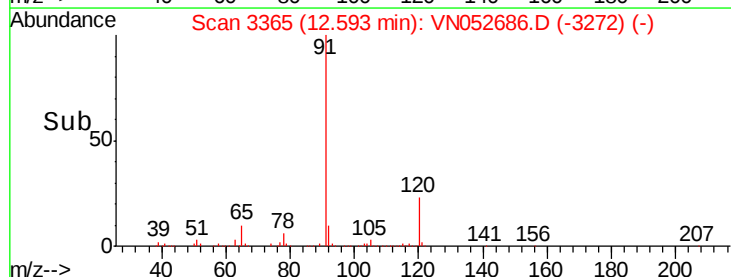
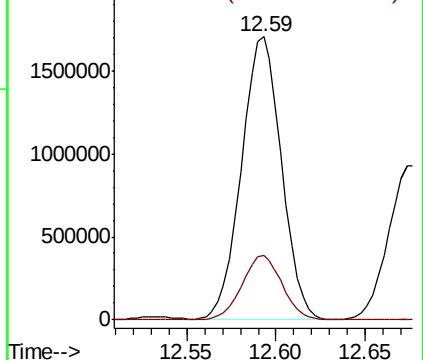
91 100

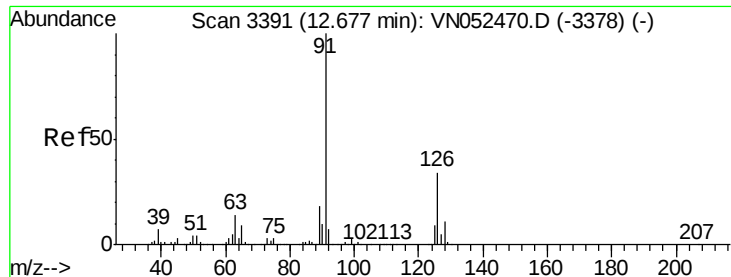
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.577 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

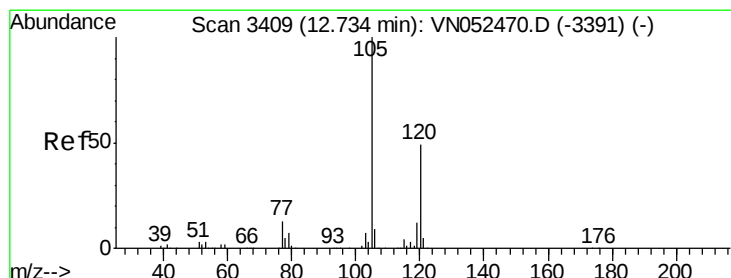
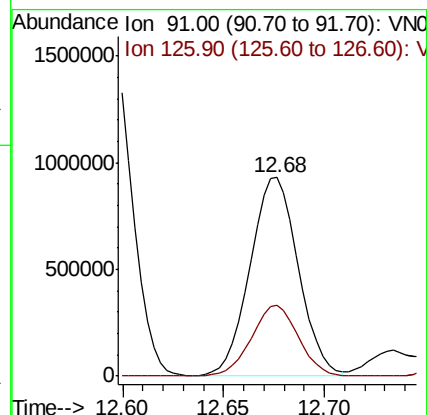
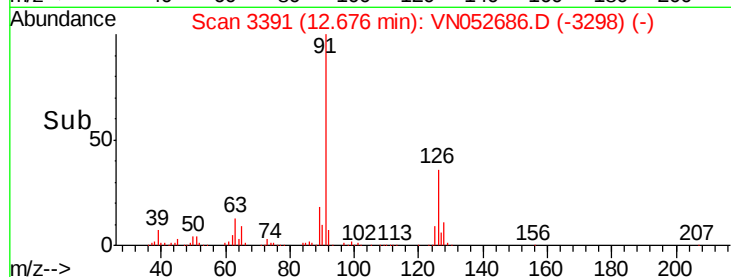
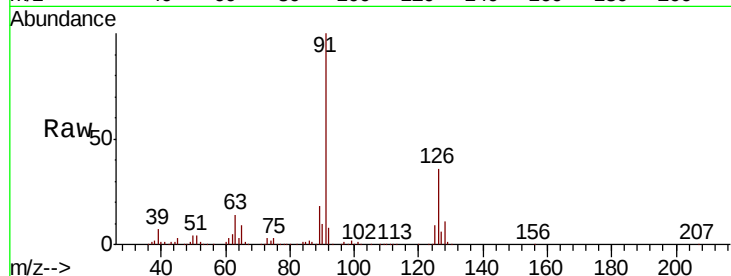
VSTDCCC050EC

Tot Ion: 91 Resp: 1553225

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 48.719 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052686.D

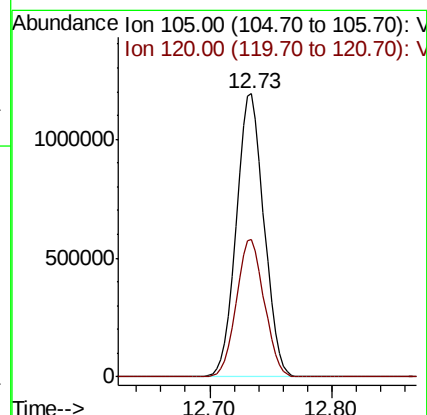
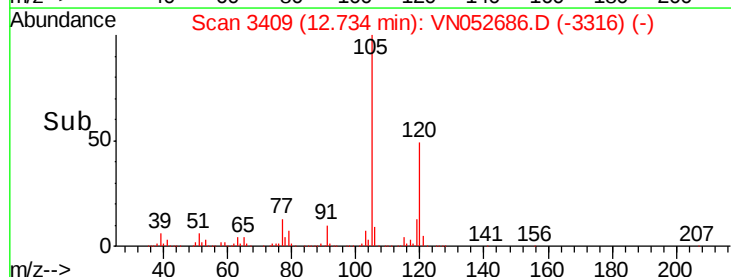
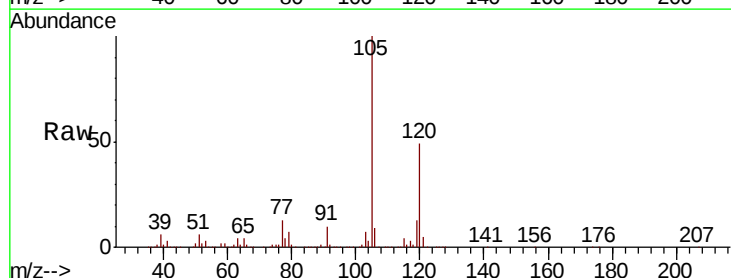
Acq: 5 Dec 2018 19:34

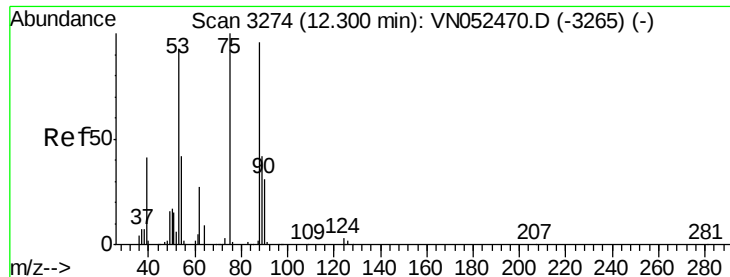
Tgt Ion:105 Resp: 1875021

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.555 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

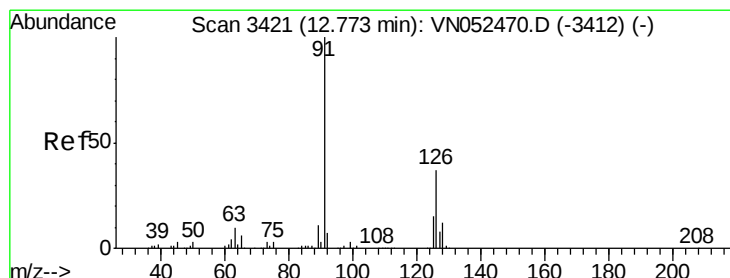
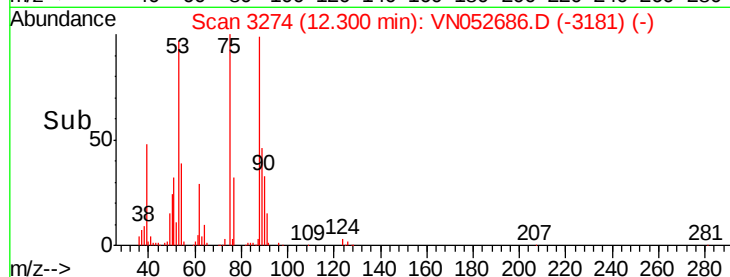
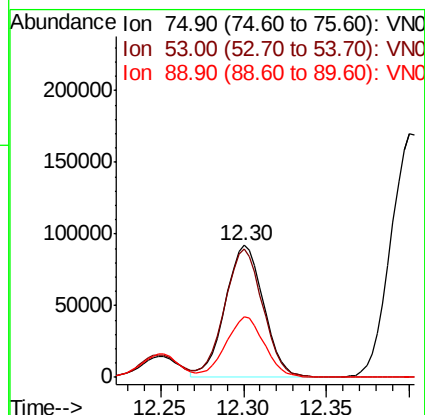
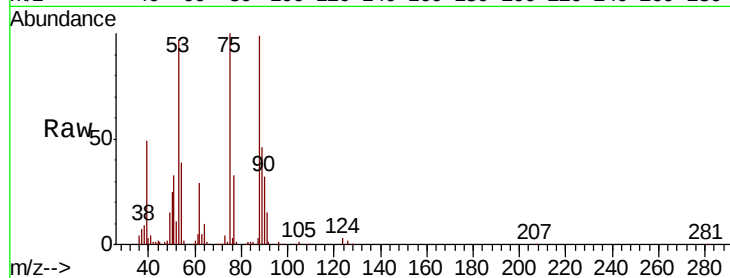
Tot Ion: 75 Resp: 149264

Ion Ratio Lower Upper

75 100

53 97.2 77.4 116.0

89 45.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 47.783 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052686.D

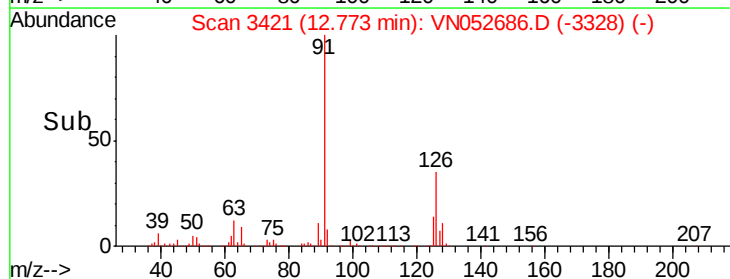
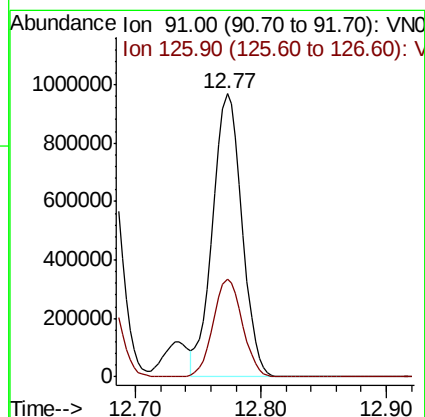
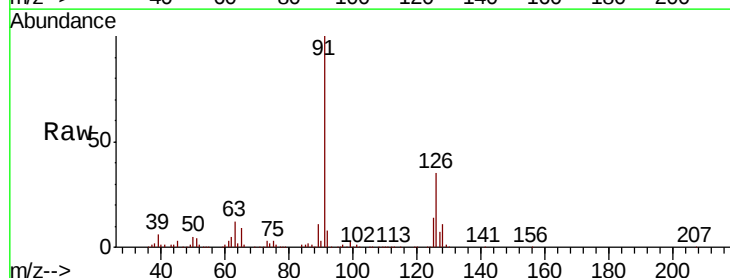
Acq: 5 Dec 2018 19:34

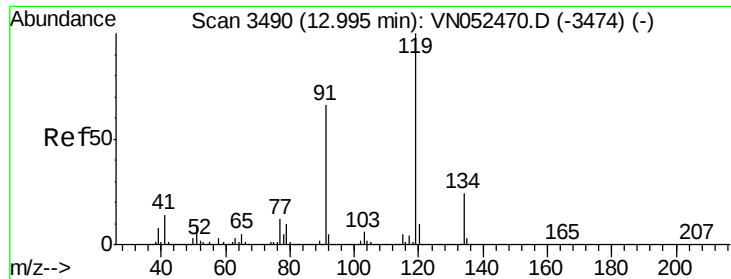
Tgt Ion: 91 Resp: 1572169

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.6

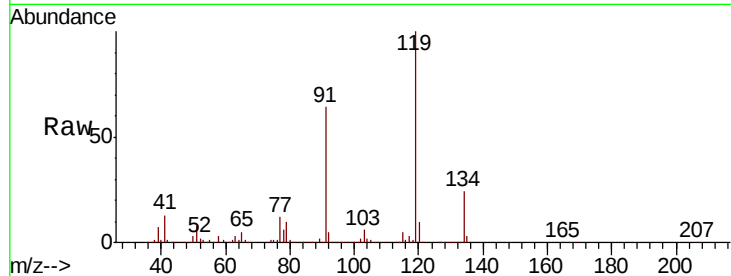




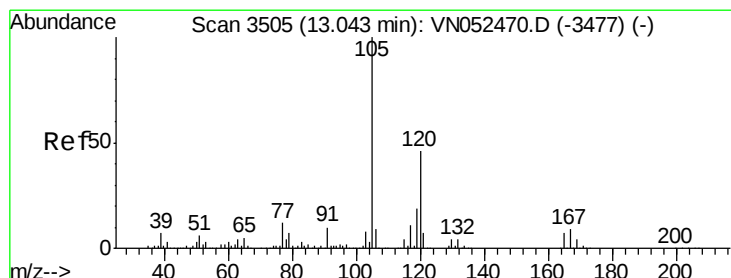
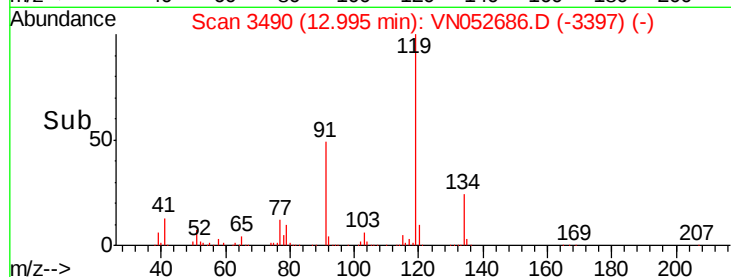
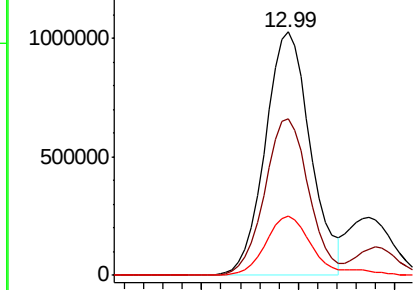
#83
 tert-Butylbenzene
 Concen: 48.761 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1673034
 Ion Ratio Lower Upper
 119 100
 91 63.2 32.3 96.9
 134 25.6 13.0 38.9

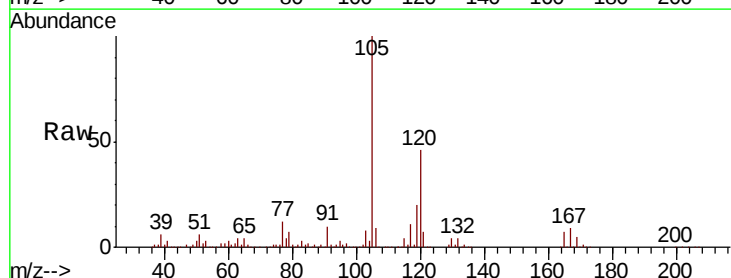


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

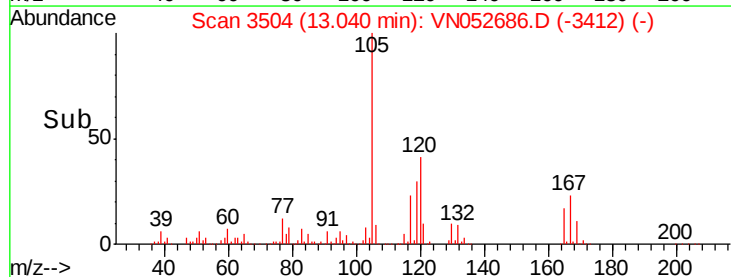
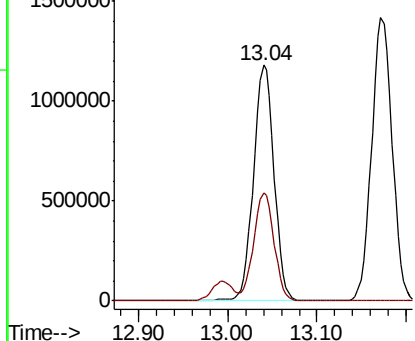


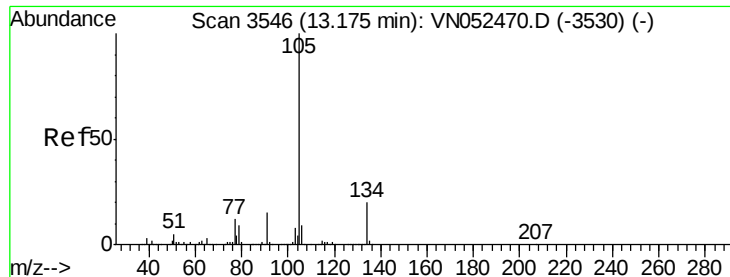
#84
 1,2,4-Trimethylbenzene
 Concen: 49.264 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion:105 Resp: 1900109
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.345 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

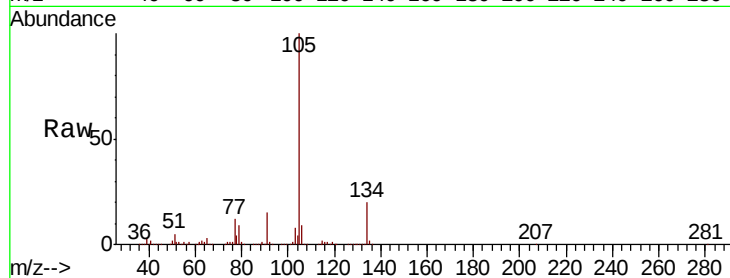
VSTDCCC050EC

Tot Ion:105 Resp: 2259275

Ion Ratio Lower Upper

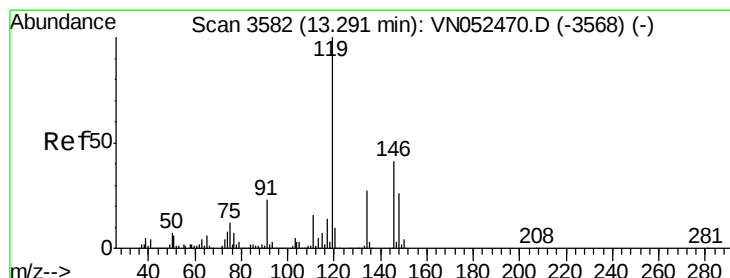
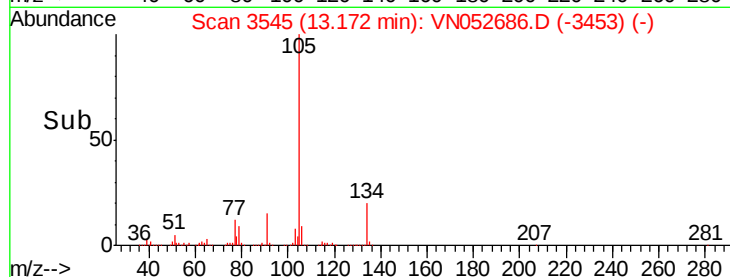
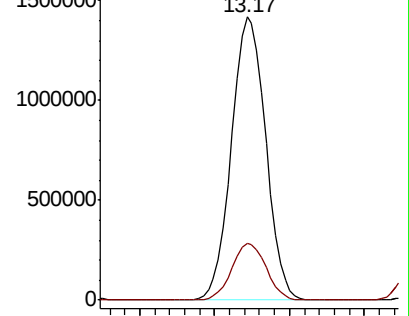
105 100

134 20.1 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.009 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

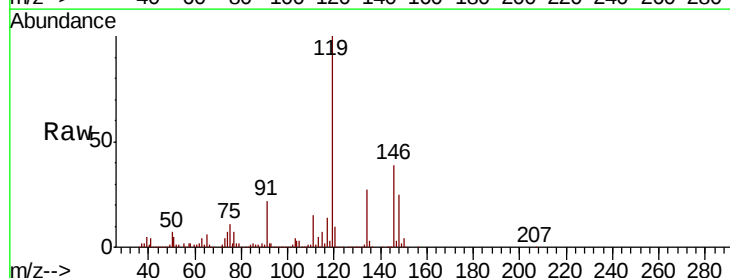
Tgt Ion:119 Resp: 1950723

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

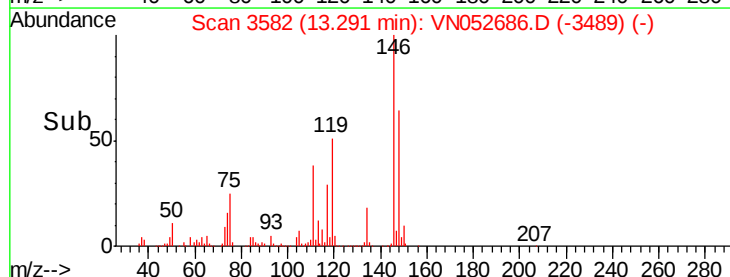
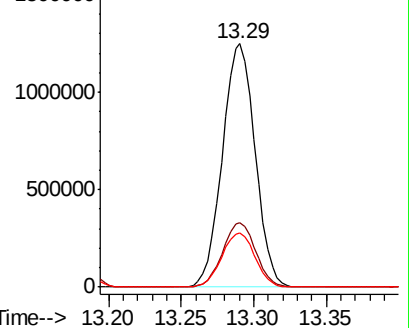
91 22.6 11.4 34.2

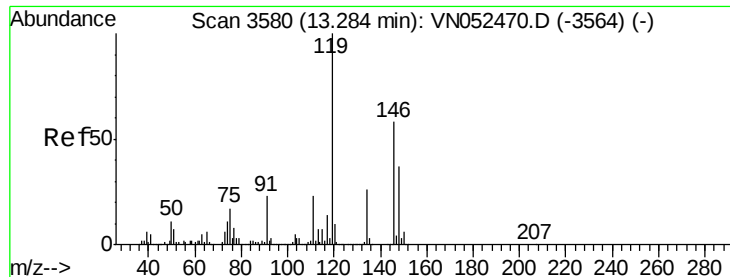


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

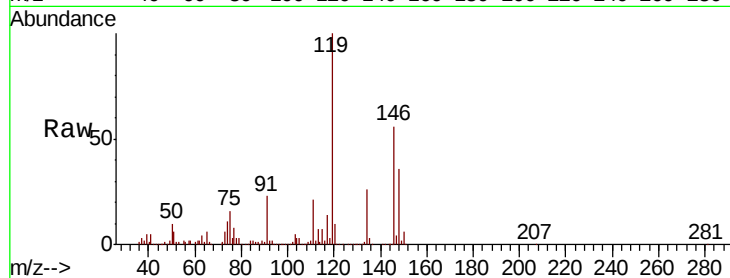
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1018109

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.4
148	64.2	31.8	95.4

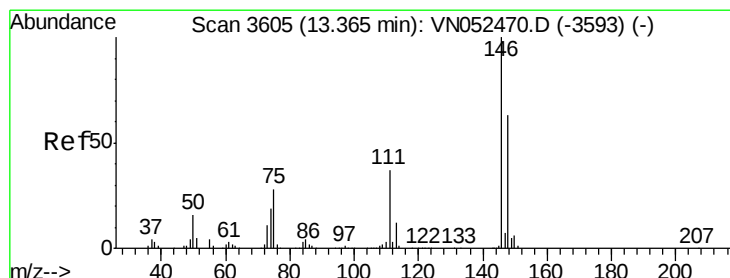
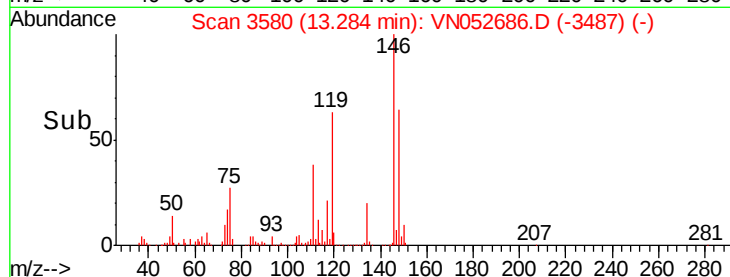
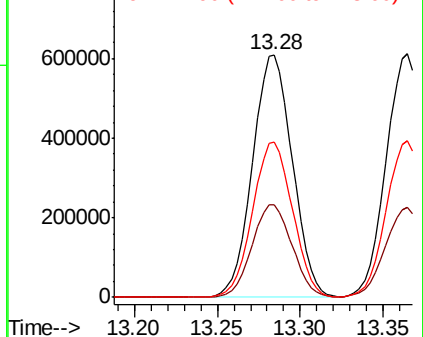


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.865 ug/l

RT: 13.36 min Scan# 3605

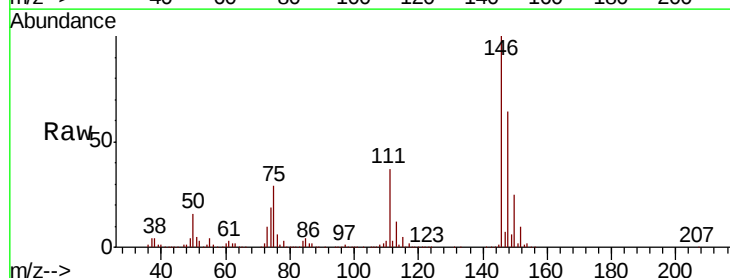
Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion:146 Resp: 1004229

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	64.3	31.9	95.9

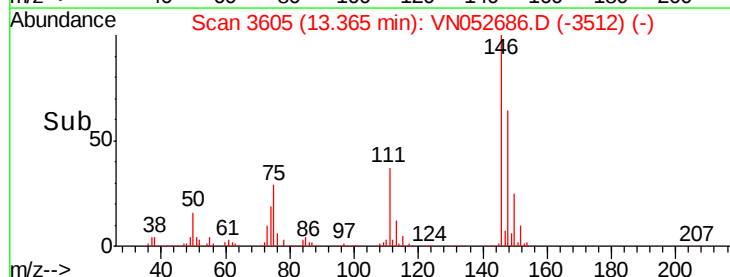
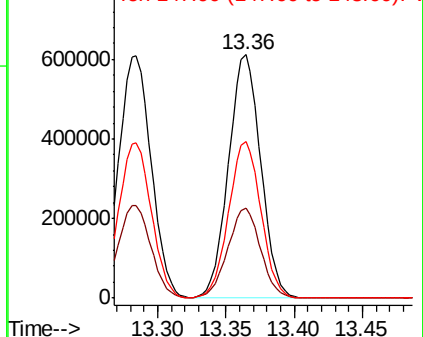


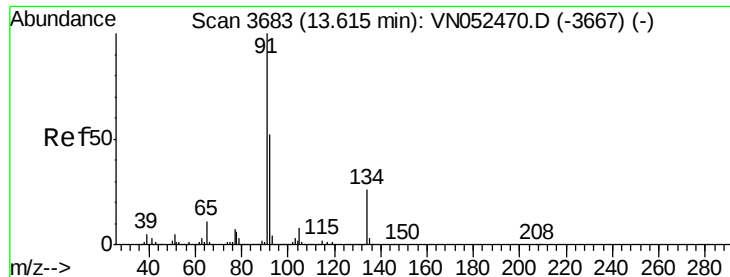
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

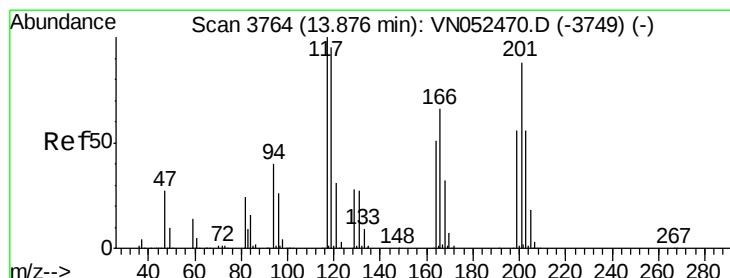
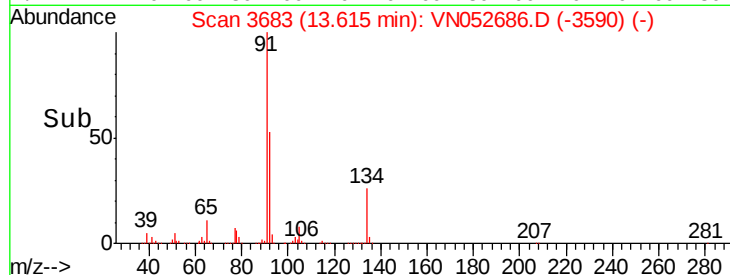
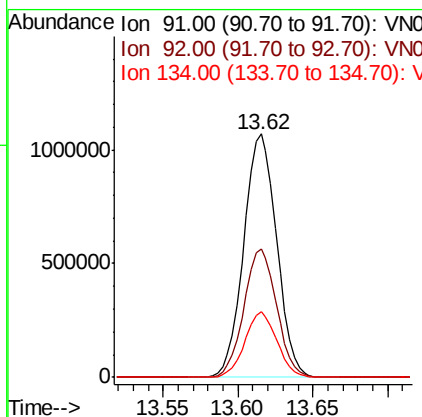
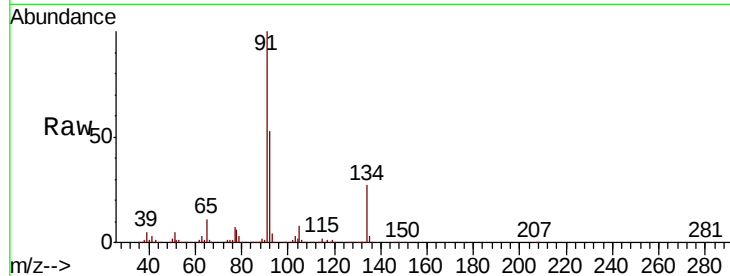




#89
n-Butylbenzene
Concen: 49.456 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

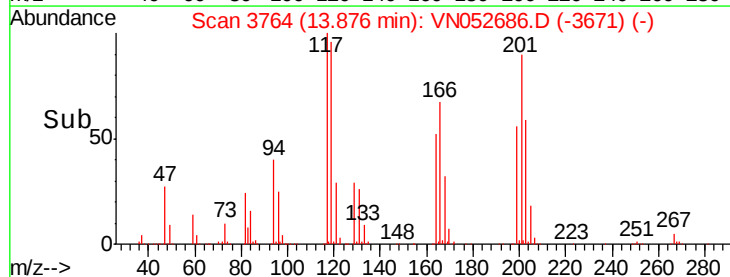
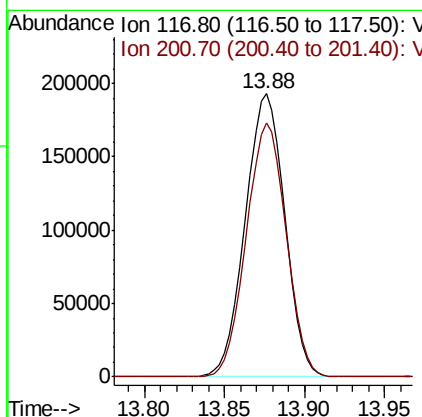
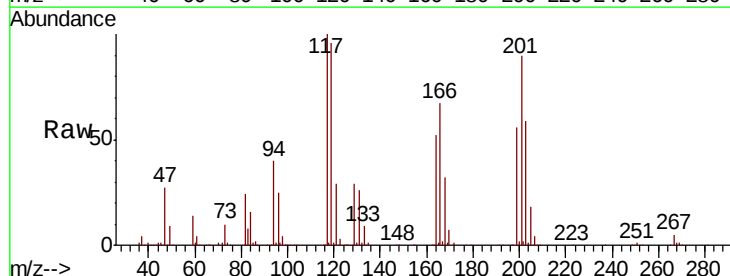
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

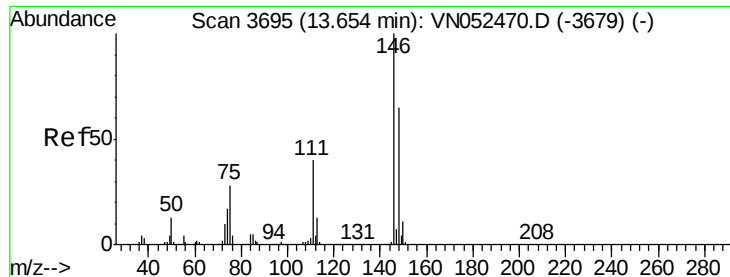
Tot Ion: 91 Resp: 1637131
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.3
134 26.3 13.0 38.9



#90
Hexachloroethane
Concen: 48.434 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 117 Resp: 326428
Ion Ratio Lower Upper
117 100
201 90.0 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 50.554 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

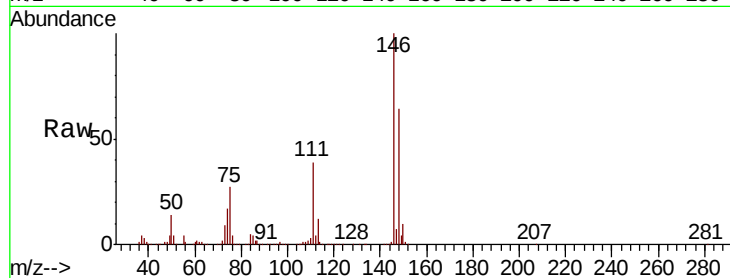
Tot Ion:146 Resp: 1007719

Ion Ratio Lower Upper

146 100

111 38.8 20.0 60.0

148 64.6 32.0 96.2

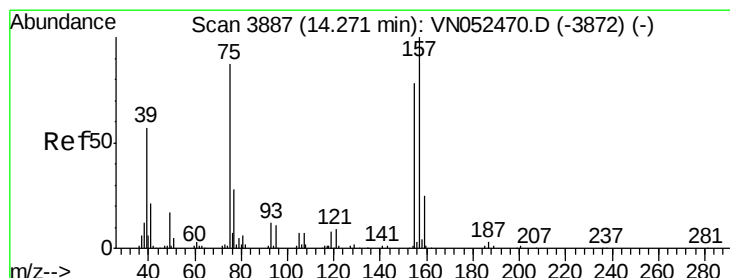
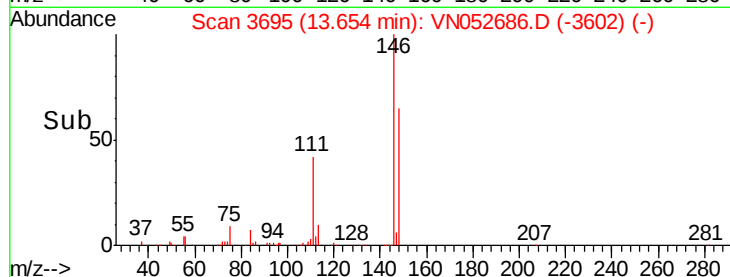
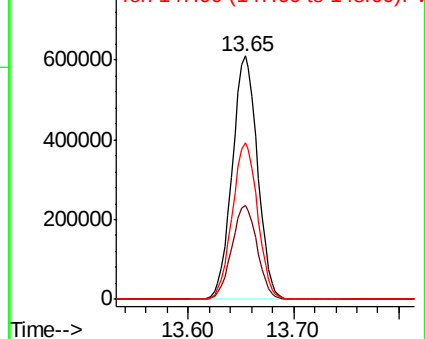


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.841 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

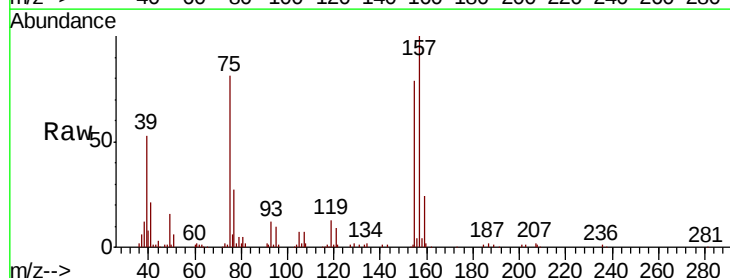
Tgt Ion: 75 Resp: 81391

Ion Ratio Lower Upper

75 100

155 95.2 45.3 135.9

157 121.5 58.1 174.2

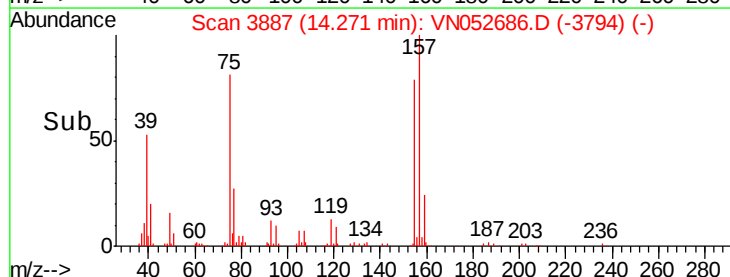
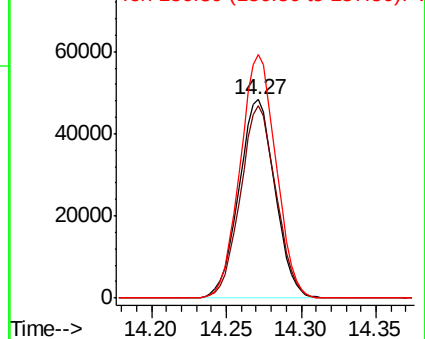


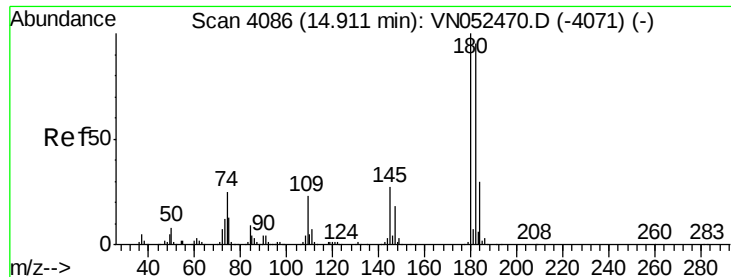
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

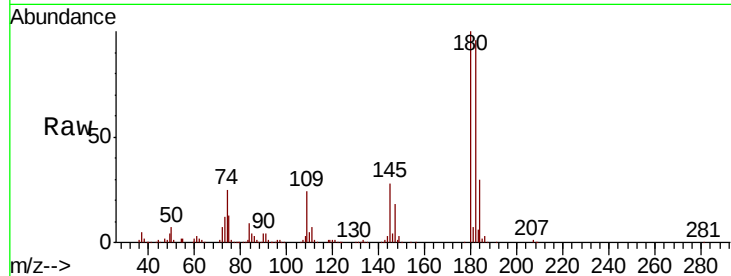




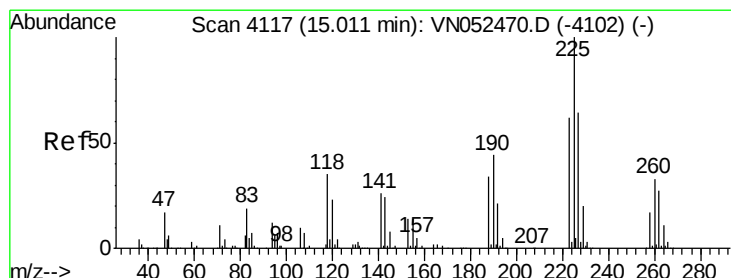
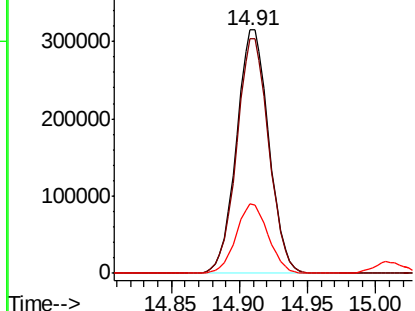
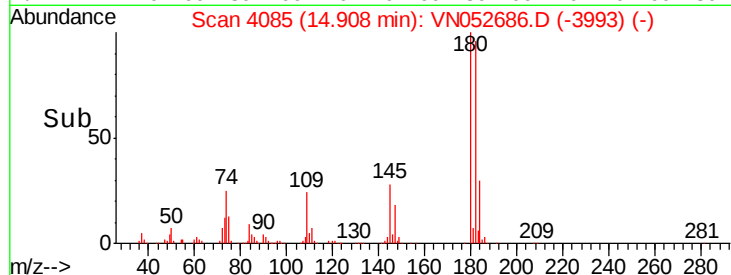
#93
 1,2,4-Trichlorobenzene
 Concen: 47.512 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 517191
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 28.3 14.1 42.3

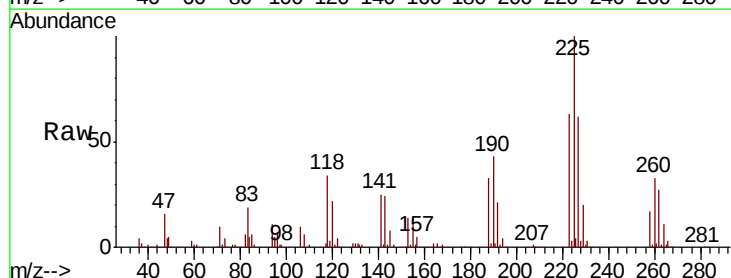


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

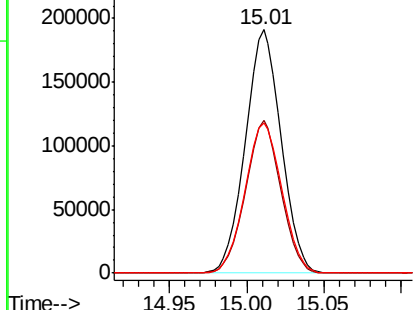
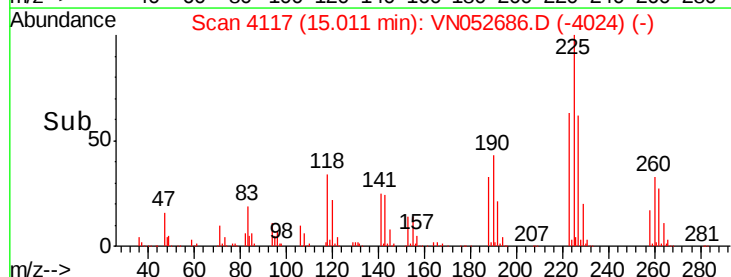


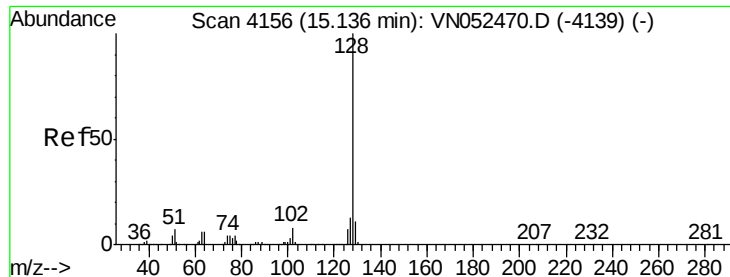
#94
 Hexachlorobutadiene
 Concen: 48.055 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion:225 Resp: 308162
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 63.5 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

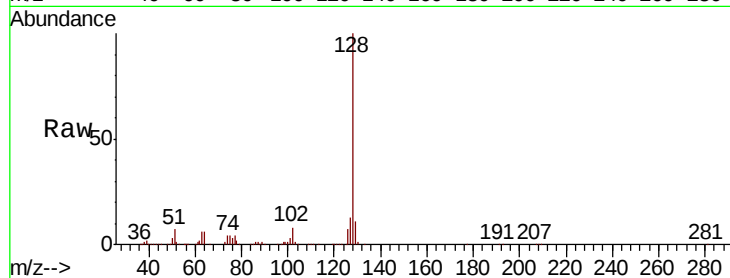
Tot Ion:128 Resp: 1083503

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

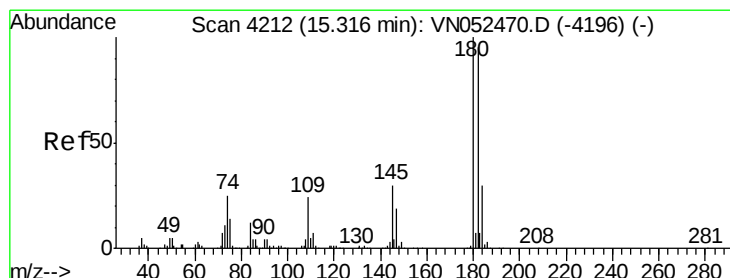
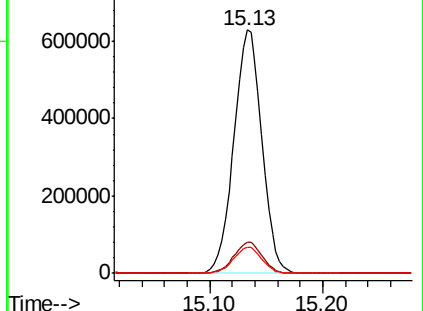
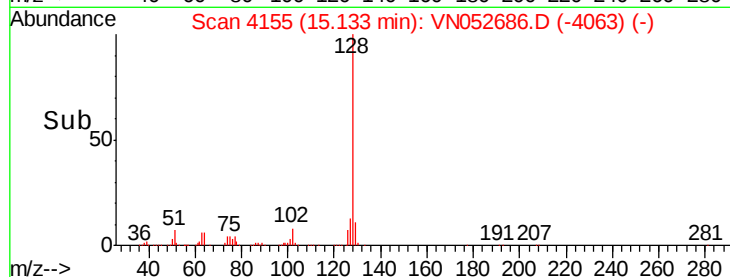
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.346 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

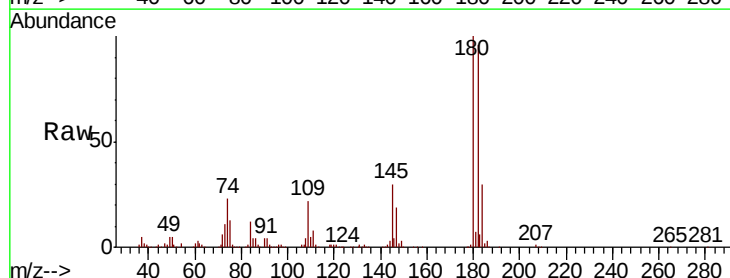
Tgt Ion:180 Resp: 484430

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 30.1 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

