

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053068.D
 Acq On : 20 Dec 2018 20:22
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 21 00:20:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1085847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1677715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1450534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	638002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	603084	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	473324	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	
50) Toluene-d8	10.09	98	2168346	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	718201	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	519807	47.300	ug/l	99
3) Chloromethane	2.06	50	610750	45.862	ug/l	99
4) Vinyl Chloride	2.19	62	658423	48.819	ug/l	100
5) Bromomethane	2.57	94	417710	44.702	ug/l	100
6) Chloroethane	2.71	64	394858	49.433	ug/l	97
7) Trichlorofluoromethane	3.03	101	846054	50.356	ug/l	100
8) Diethyl Ether	3.41	74	338764	53.446	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	537108	50.138	ug/l	98
10) Methyl Iodide	3.96	142	766609	50.958	ug/l	99
11) Tert butyl alcohol	4.78	59	192906	286.911	ug/l	99
12) 1,1-Dichloroethene	3.74	96	527529	50.971	ug/l	99
13) Acrolein	3.61	56	205631	337.293	ug/l	99
14) Allyl chloride	4.33	41	814364	50.799	ug/l	99
15) Acrylonitrile	4.99	53	1017639	272.441	ug/l	100
16) Acetone	3.82	43	623280	288.484	ug/l	97
17) Carbon Disulfide	4.06	76	1476946	43.758	ug/l	99
18) Methyl Acetate	4.33	43	532594	54.227	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1516343	54.749	ug/l	99
20) Methylene Chloride	4.56	84	591495	50.189	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	556586	50.054	ug/l	99
22) Diisopropyl ether	5.95	45	1849700	54.055	ug/l	97
23) Vinyl Acetate	5.90	43	5455082	277.235	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1057862	52.025	ug/l	99
25) 2-Butanone	6.83	43	1068123	294.581	ug/l	98
26) 2,2-Dichloropropane	6.83	77	763722	49.203	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	651690	51.768	ug/l	99
28) Bromochloromethane	7.20	49	471887	53.557	ug/l	96
29) Tetrahydrofuran	7.21	42	757366	279.669	ug/l	98
30) Chloroform	7.37	83	1030839	51.607	ug/l	99
31) Cyclohexane	7.65	56	975478	51.176	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	868846	51.061	ug/l	99
36) 1,1-Dichloropropene	7.80	75	803460	49.895	ug/l	100
37) Ethyl Acetate	6.93	43	506266	56.317	ug/l	99
38) Carbon Tetrachloride	7.78	117	738788	50.053	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	932222	47.655	ug/l	98
40) Benzene	8.04	78	2433739	50.810	ug/l	99
41) Methacrylonitrile	7.17	41	270144	52.010	ug/l	96
42) 1,2-Dichloroethane	8.13	62	727516	51.414	ug/l	99
43) Isopropyl Acetate	8.16	43	948004	54.590	ug/l	99
44) Trichloroethene	8.84	130	678753	48.993	ug/l	97
45) 1,2-Dichloropropane	9.12	63	652988	52.339	ug/l	98
46) Dibromomethane	9.21	93	370609	50.992	ug/l	98
47) Bromodichloromethane	9.40	83	786359	50.900	ug/l	100
48) Methyl methacrylate	9.20	41	468295	53.684	ug/l	98
49) 1,4-Dioxane	9.20	88	109319	990.703	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2424156	278.456	ug/l	99
52) Toluene	10.16	92	1487991	50.120	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	814361	50.129	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	948843	50.884	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	540794	52.213	ug/l	99
56) Ethyl methacrylate	10.43	69	741791	54.109	ug/l	98
57) 1,3-Dichloropropane	10.71	76	921974	51.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2057123	273.326	ug/l	98
59) 2-Hexanone	10.75	43	1618489	274.780	ug/l	99
60) Dibromochloromethane	10.90	129	599910	50.600	ug/l	100
61) 1,2-Dibromoethane	11.01	107	539734	51.310	ug/l	99
64) Tetrachloroethene	10.63	164	757716	48.224	ug/l	99
65) Chlorobenzene	11.43	112	1612572	50.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	586072	52.414	ug/l	100
67) Ethyl Benzene	11.51	91	2804940	50.725	ug/l	100
68) m/p-Xylenes	11.62	106	2083546	99.115	ug/l	99
69) o-Xylene	11.95	106	1015650	50.350	ug/l	100
70) Styrene	11.96	104	1672817	50.857	ug/l	99
71) Bromoform	12.13	173	401344	49.685	ug/l #	100
73) Isopropylbenzene	12.25	105	2691434	53.917	ug/l	100
74) N-amyl acetate	12.07	43	828844	59.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	578964	59.119	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	788922	73.456	ug/l #	100
77) Bromobenzene	12.53	156	687111	52.953	ug/l	97
78) n-propylbenzene	12.59	91	2980892	52.432	ug/l	99
79) 2-Chlorotoluene	12.67	91	1748970	49.631	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2075688	51.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	181287	54.404	ug/l	96
82) 4-Chlorotoluene	12.77	91	1765311	51.174	ug/l	100
83) tert-Butylbenzene	12.99	119	1824035	50.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2074729	50.724	ug/l	100
85) sec-Butylbenzene	13.17	105	2406364	49.440	ug/l	100
86) p-Isopropyltoluene	13.29	119	2066046	49.125	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1124022	48.943	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114532	47.922	ug/l	100
89) n-Butylbenzene	13.62	91	1675210	46.299	ug/l	99
90) Hexachloroethane	13.88	117	310592	48.124	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1055954	48.855	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86402	51.026	ug/l	99

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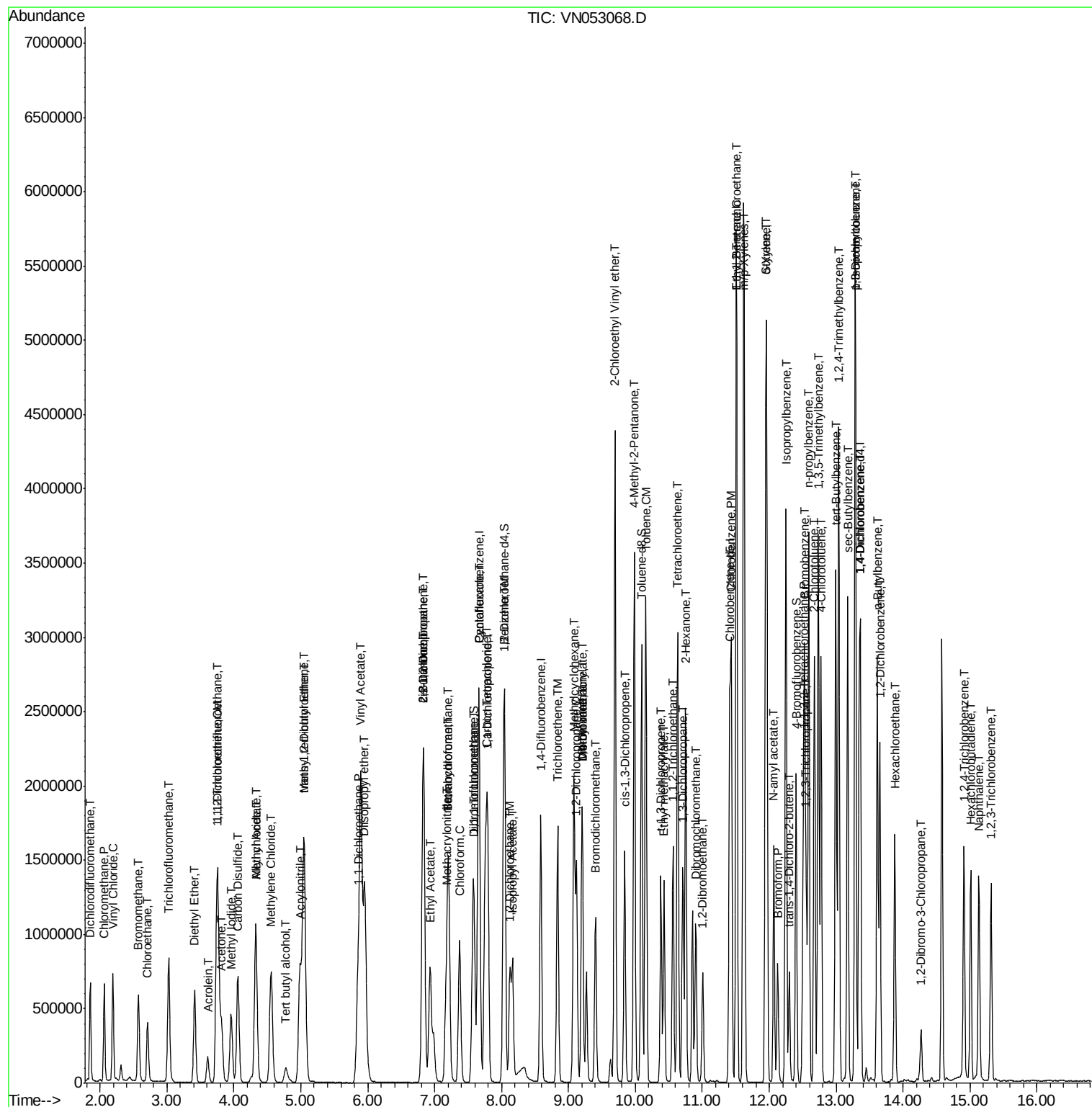
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	548708	47.942	ug/l	99
94) Hexachlorobutadiene	15.01	225	307714	52.014	ug/l	99
95) Naphthalene	15.13	128	1237733	49.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	502457	48.739	ug/l	99

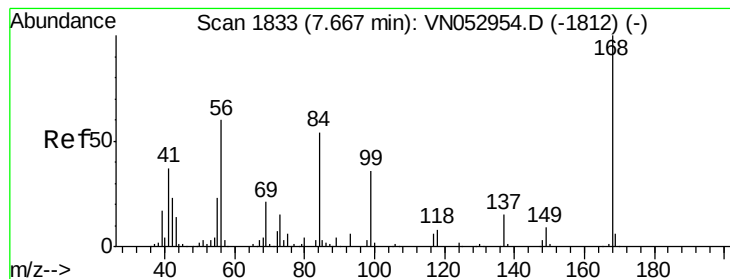
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

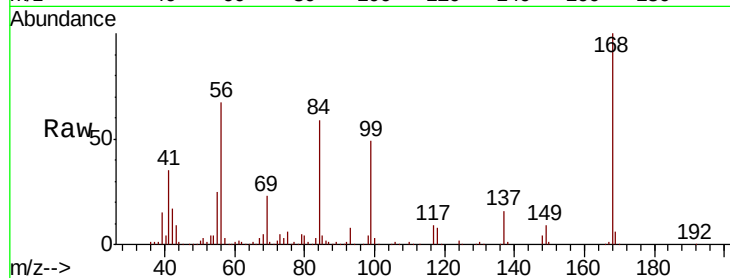
VSTDCCC050EC

Tot Ion:168 Resp: 1085847

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

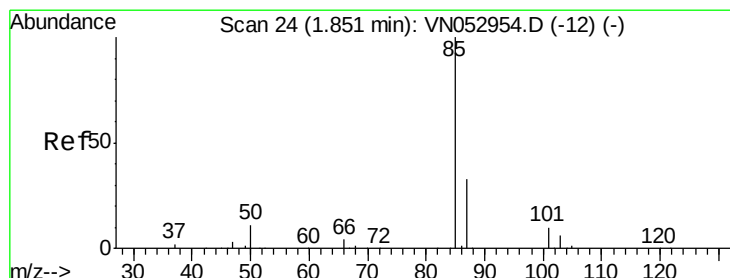
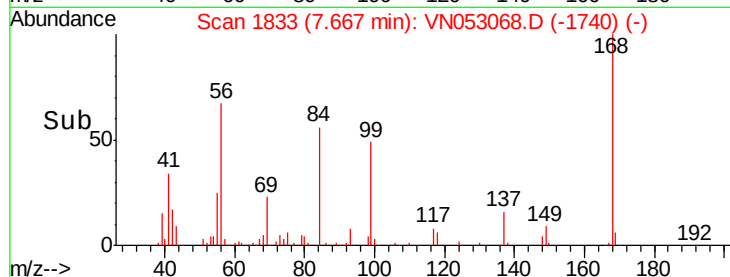
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.300 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053068.D

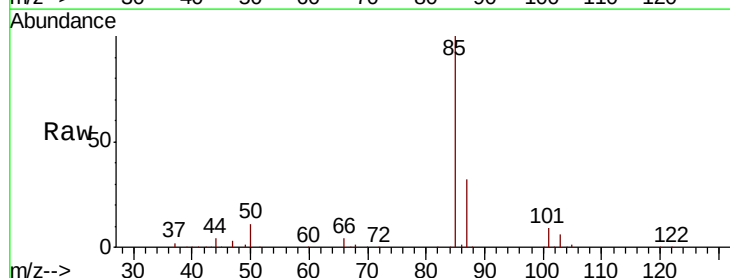
Acq: 20 Dec 2018 20:22

Tgt Ion: 85 Resp: 519807

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

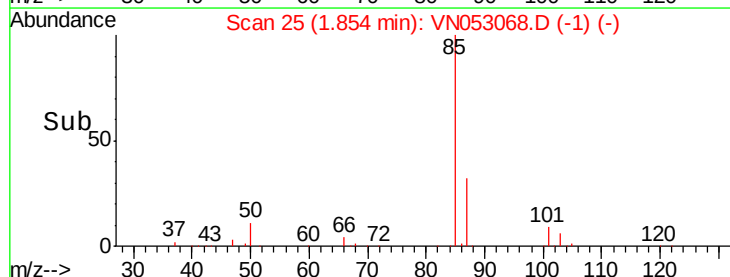
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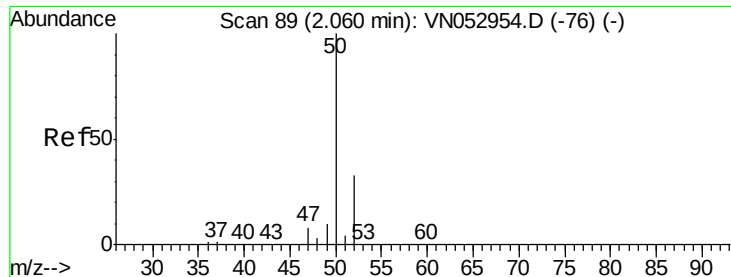
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.862 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

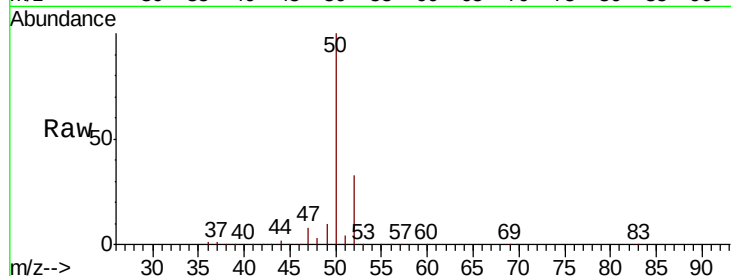
VSTDCCC050EC

Tot Ion: 50 Resp: 610750

Ion Ratio Lower Upper

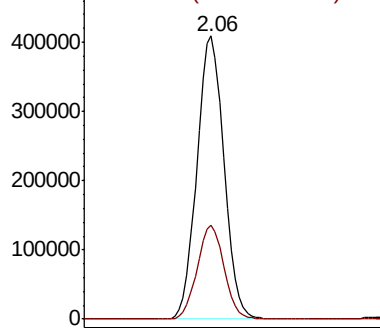
50 100

52 33.2 26.2 39.4

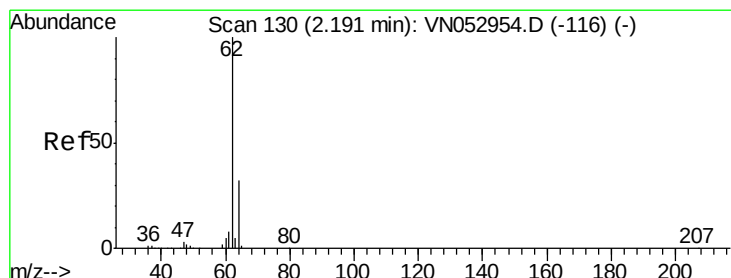
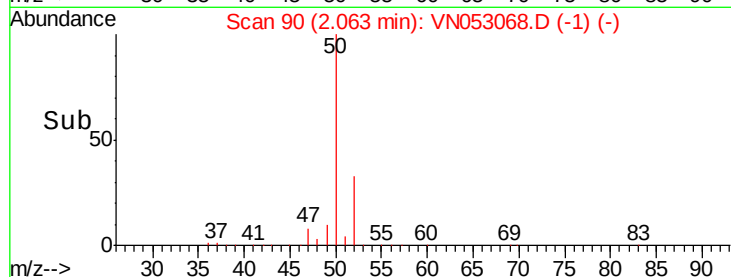


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 48.819 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053068.D

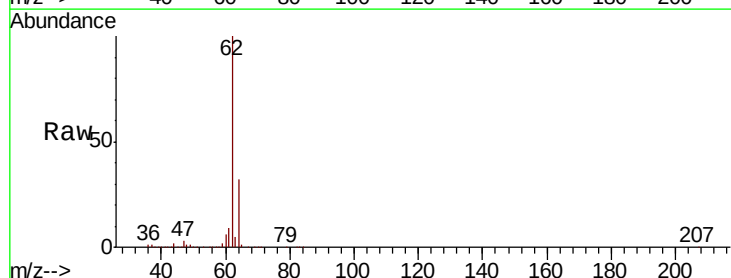
Acq: 20 Dec 2018 20:22

Tgt Ion: 62 Resp: 658423

Ion Ratio Lower Upper

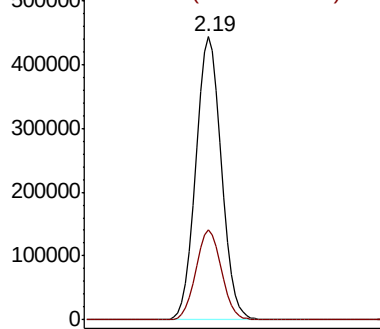
62 100

64 31.9 25.5 38.3

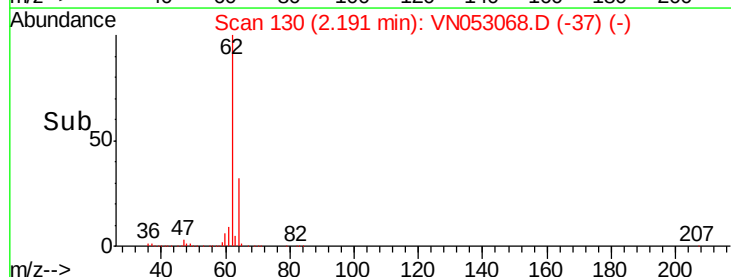


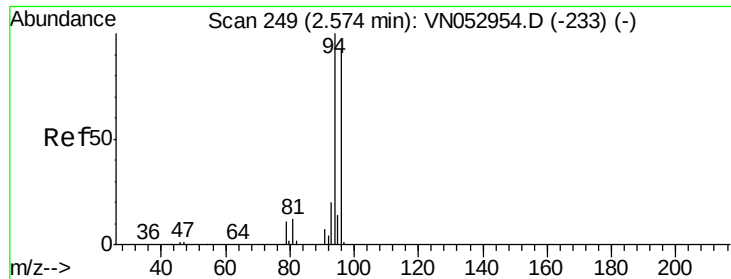
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->

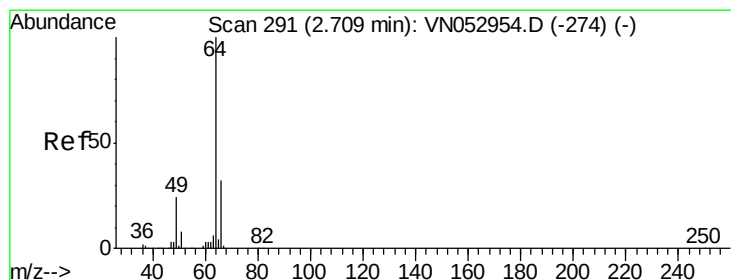
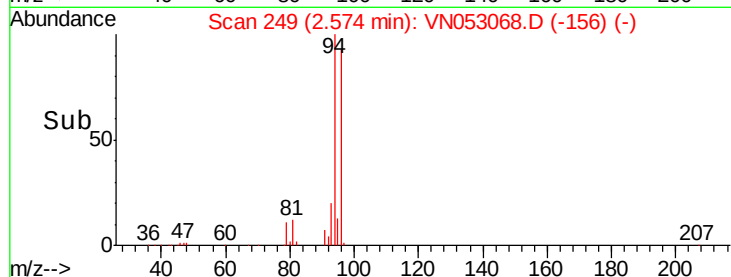
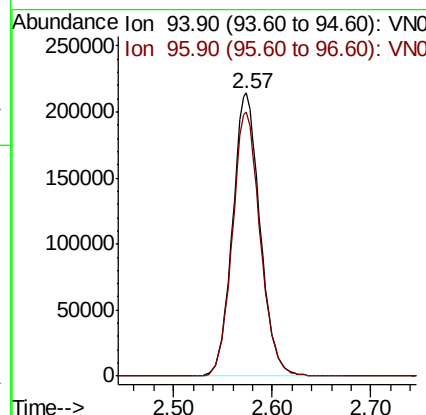
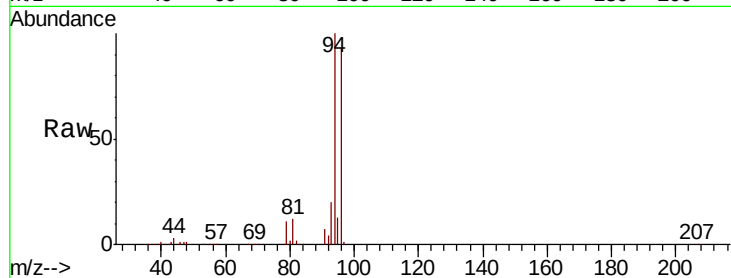




#5
Bromomethane
Concen: 44.702 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

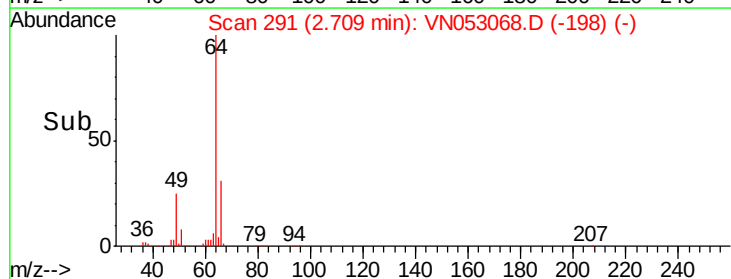
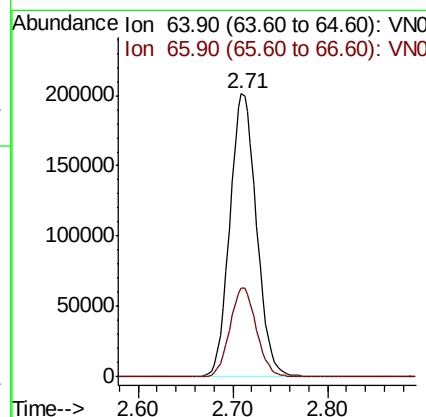
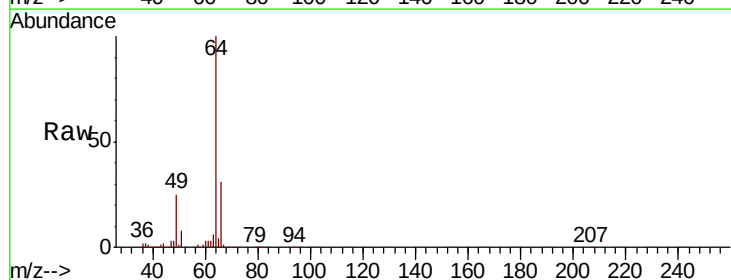
Instrument :
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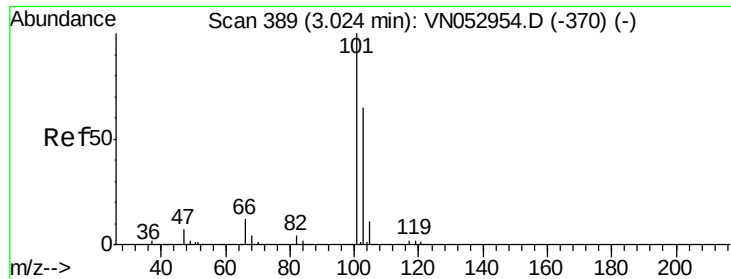
Tot Ion: 94 Resp: 417710
Ion Ratio Lower Upper
94 100
96 93.3 75.0 112.4



#6
Chloroethane
Concen: 49.433 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 64 Resp: 394858
Ion Ratio Lower Upper
64 100
66 31.2 26.2 39.2



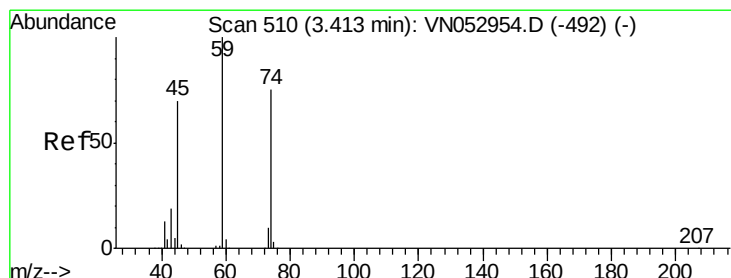
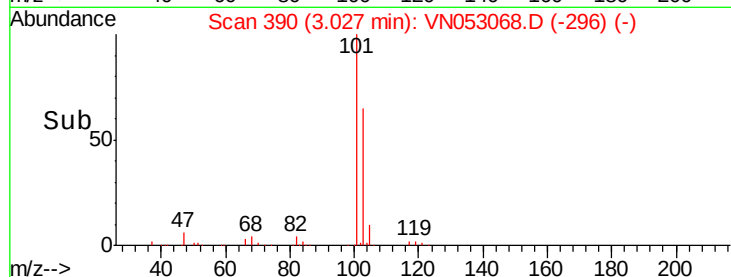
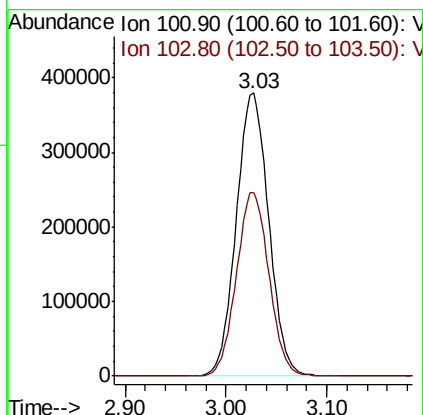
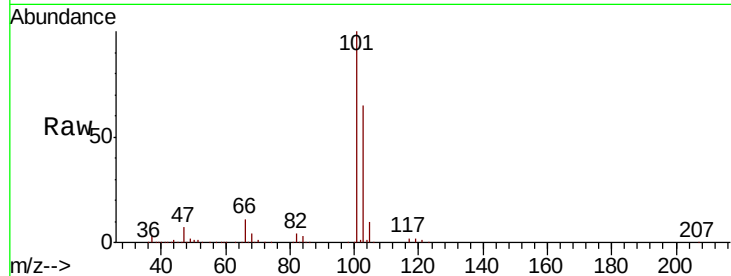


#7

Trichlorofluoromethane
 Concen: 50.356 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
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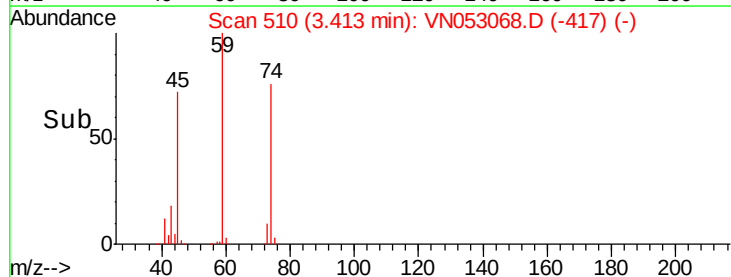
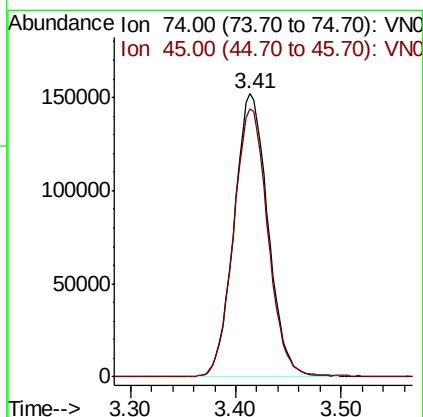
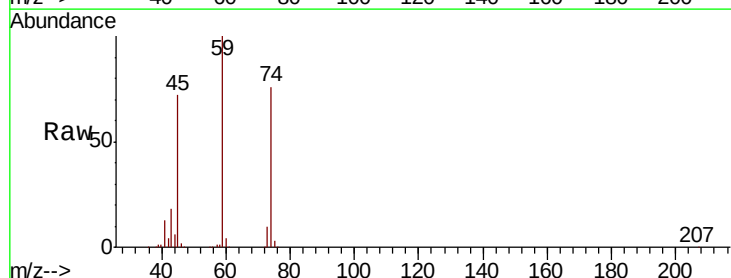
Tot Ion:101 Resp: 846054
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.6

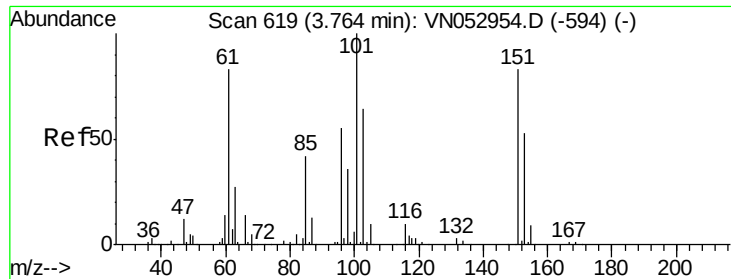


#8

Diethyl Ether
 Concen: 53.446 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 74 Resp: 338764
 Ion Ratio Lower Upper
 74 100
 45 95.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.138 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

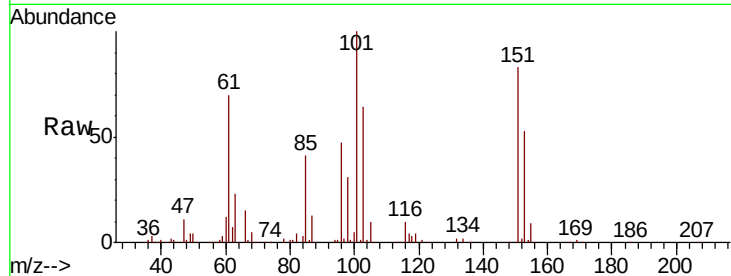
Tot Ion:101 Resp: 537108

Ion Ratio Lower Upper

101 100

85 40.9 33.6 50.4

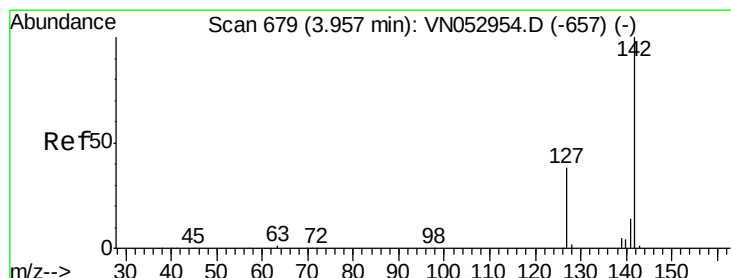
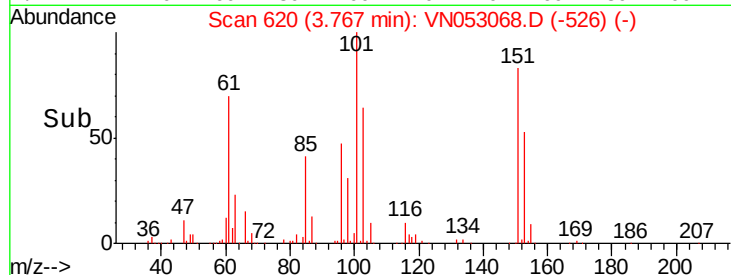
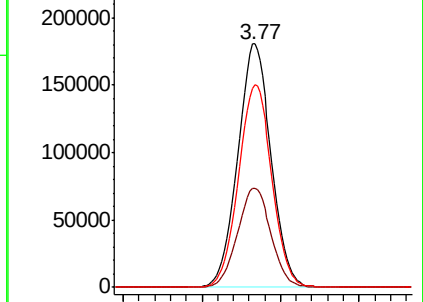
151 83.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.958 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

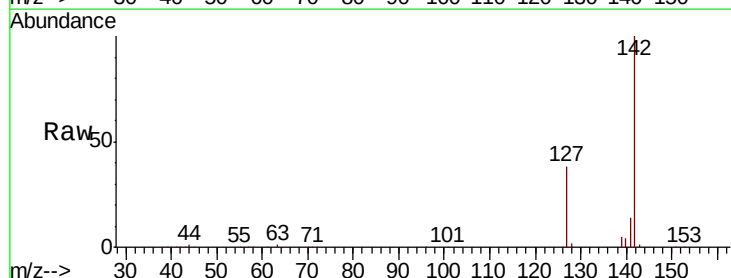
Tgt Ion:142 Resp: 766609

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

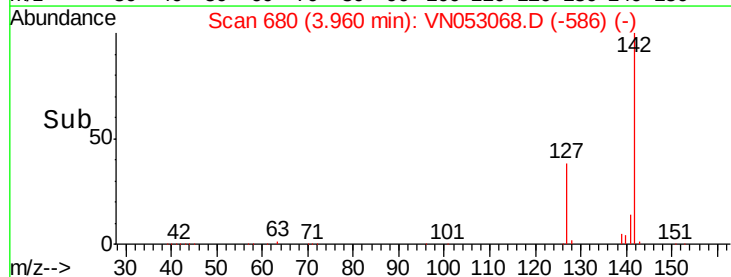
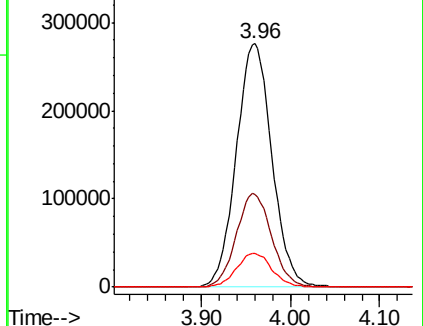
141 13.8 11.2 16.8

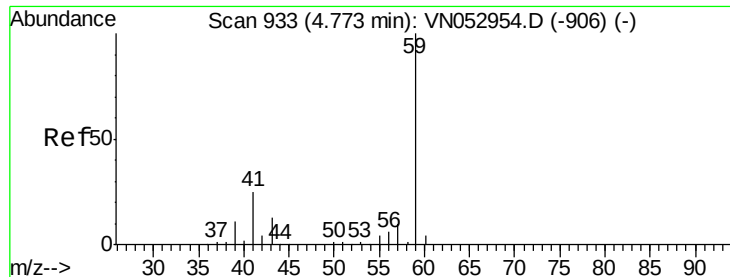


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



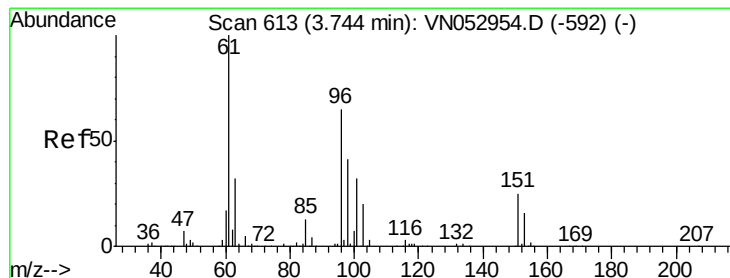
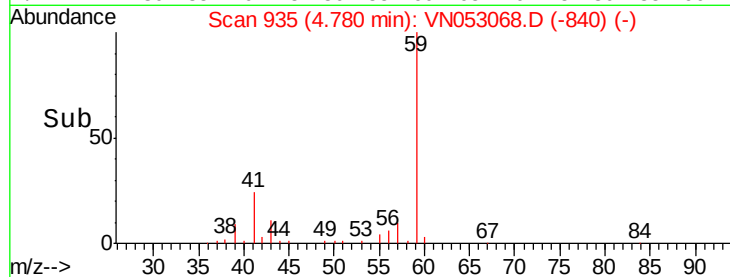
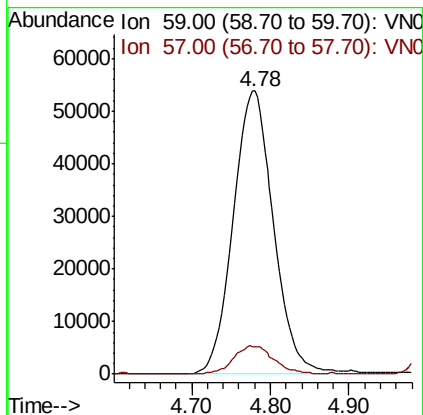
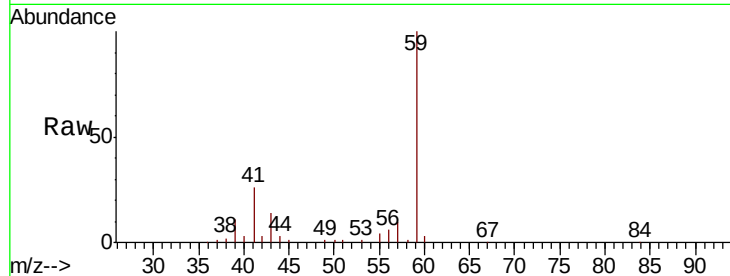


#11

Tert butyl alcohol
 Concen: 286.911 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

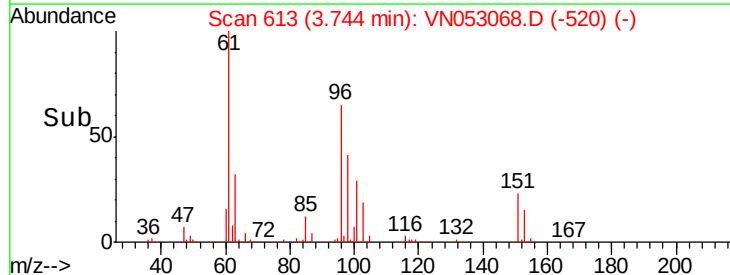
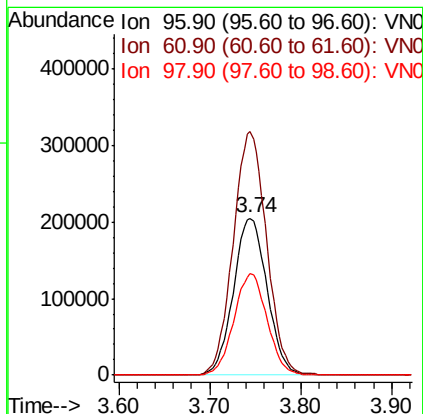
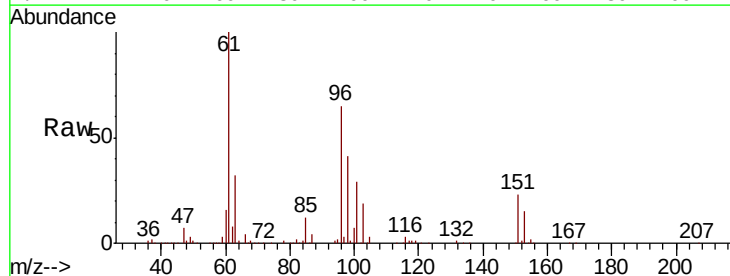
Tot Ion: 59 Resp: 192906
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

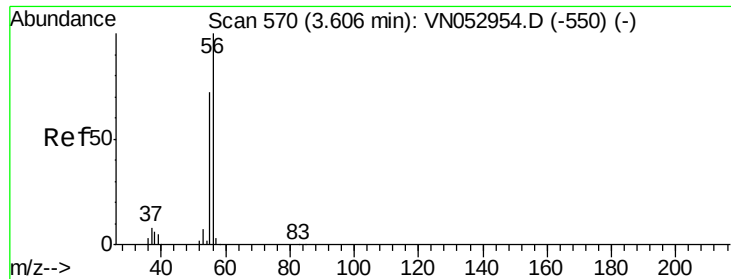


#12

1,1-Dichloroethene
 Concen: 50.971 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 96 Resp: 527529
 Ion Ratio Lower Upper
 96 100
 61 155.0 125.6 188.4
 98 64.3 50.6 75.8





#13

Acrolein

Concen: 337.293 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

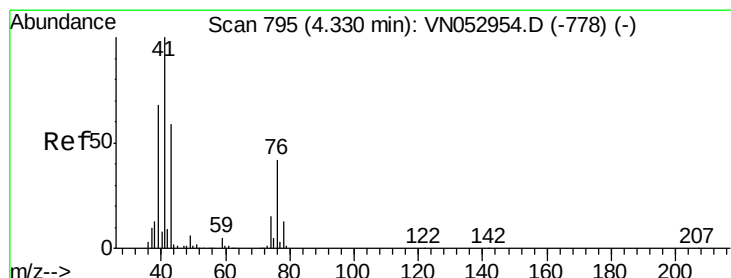
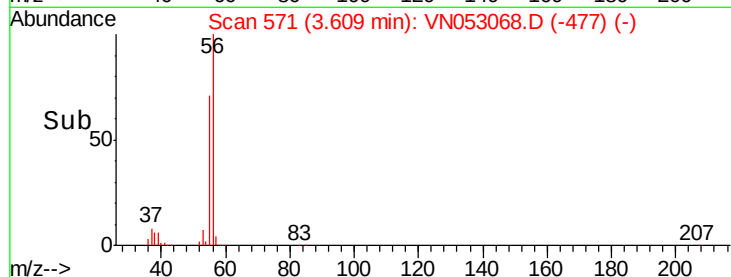
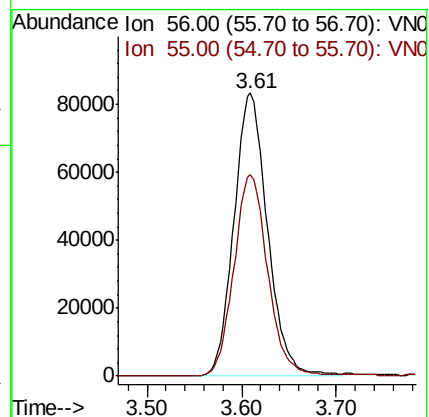
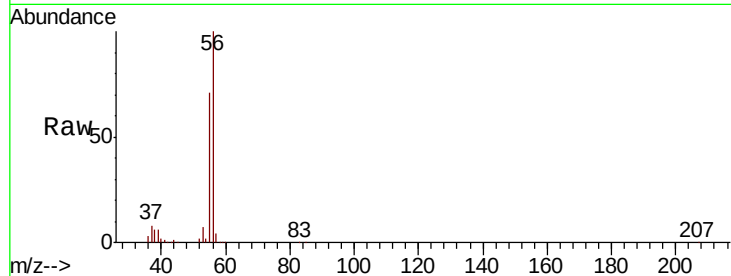
VSTDCCC050EC

Tot Ion: 56 Resp: 205631

Ion Ratio Lower Upper

56 100

55 71.4 56.6 85.0



#14

Allyl chloride

Concen: 50.799 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

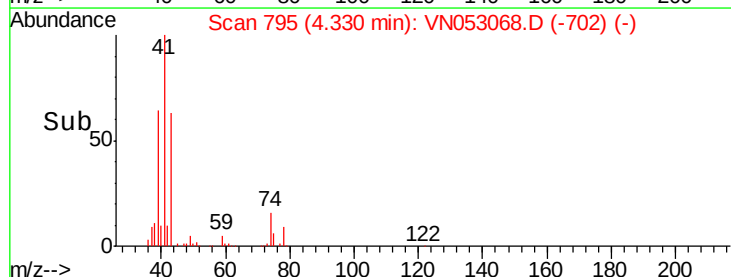
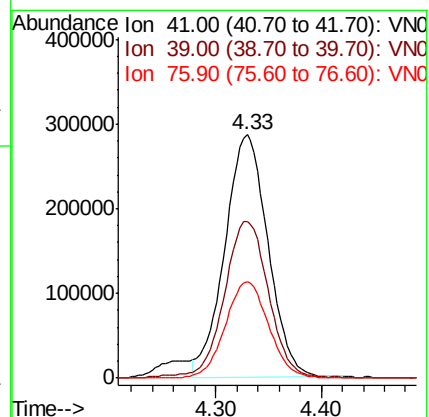
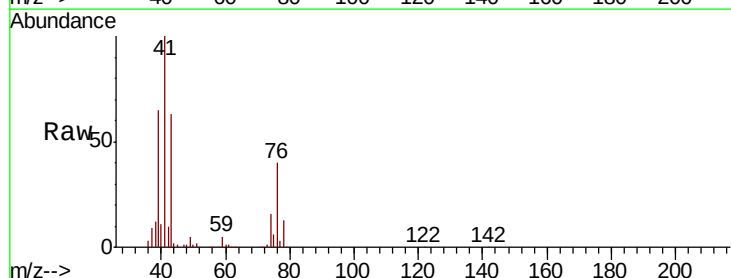
Tgt Ion: 41 Resp: 814364

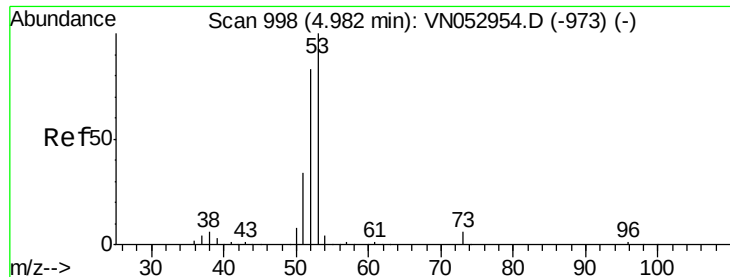
Ion Ratio Lower Upper

41 100

39 66.7 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 272.441 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

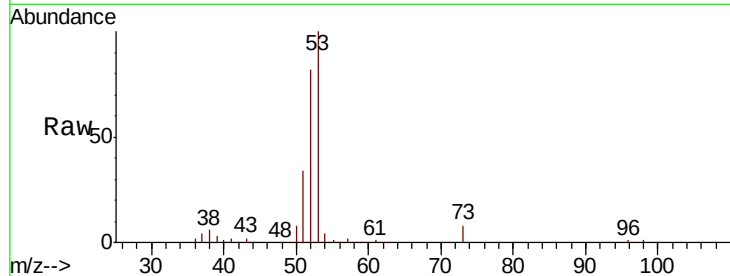
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1017639

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	35.5	28.1	42.1

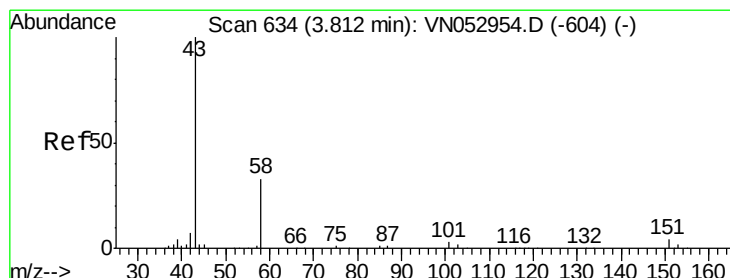
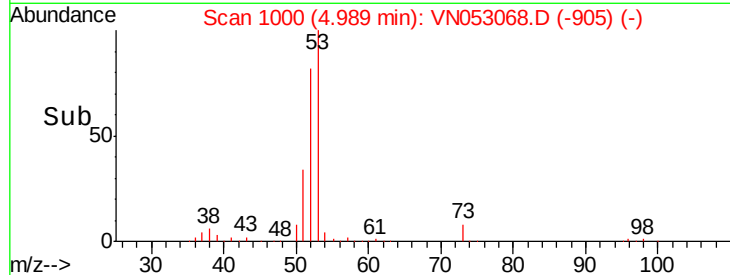
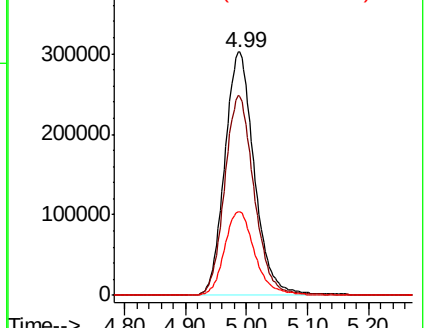


Abundance

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: 288.484 ug/l

RT: 3.82 min Scan# 635

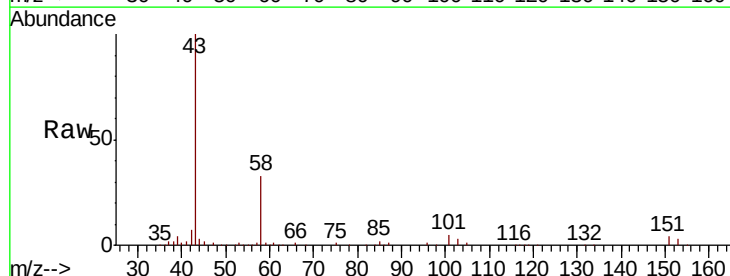
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 623280

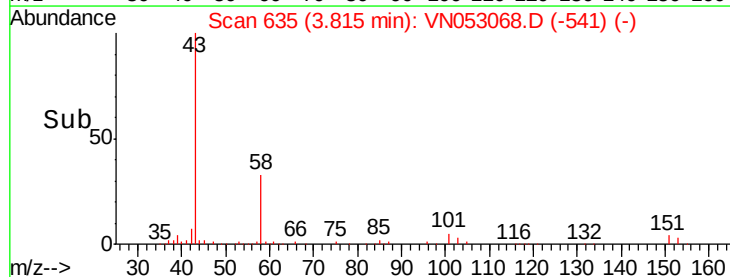
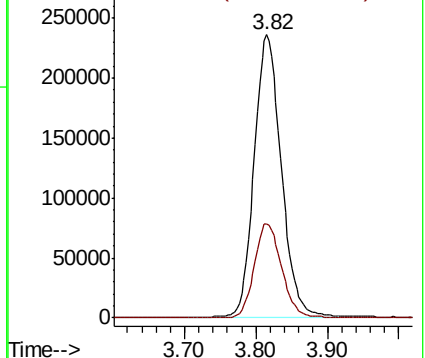
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0

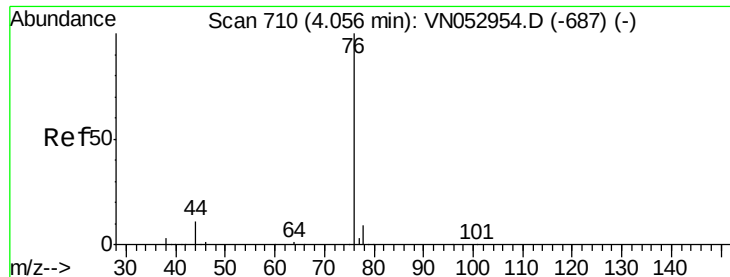


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

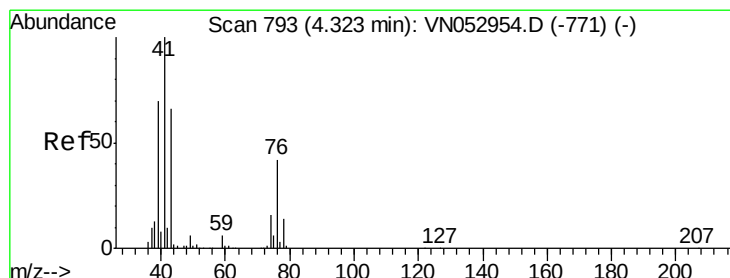
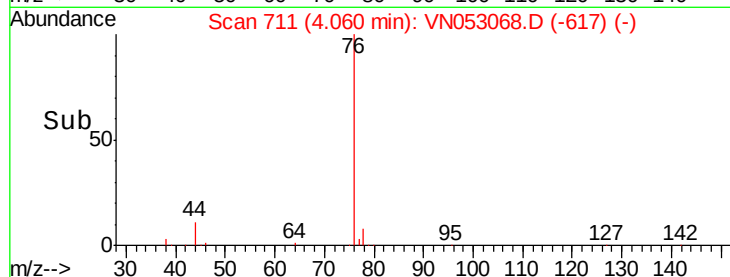
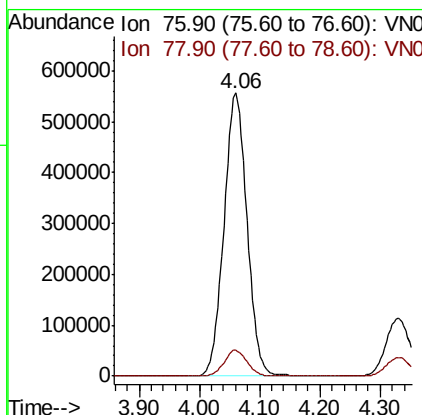
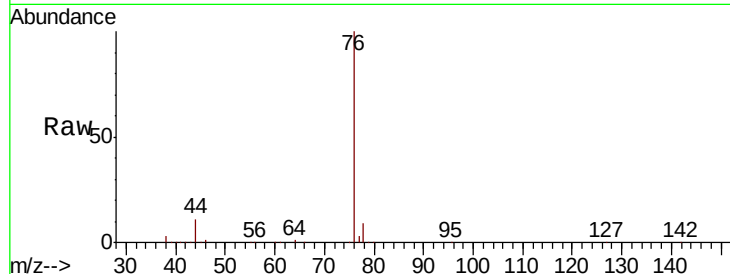




#17
Carbon Disulfide
Concen: 43.758 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

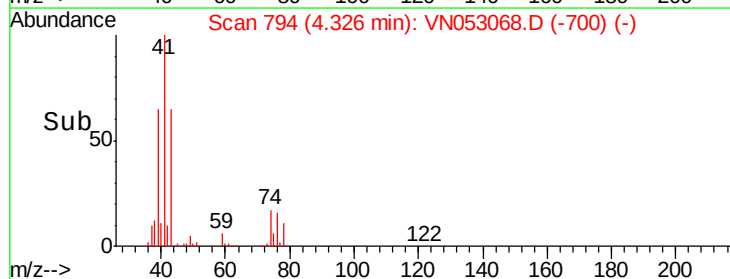
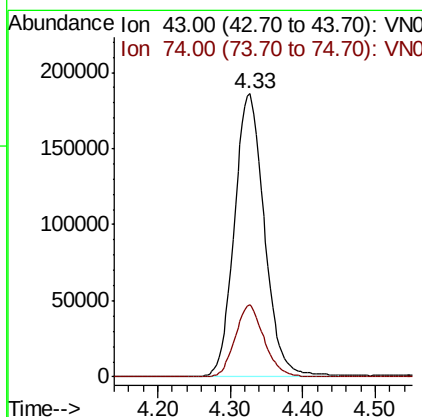
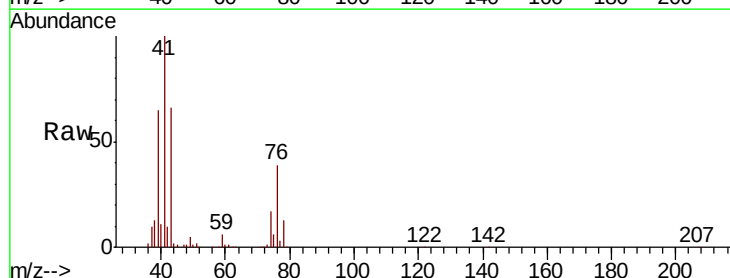
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

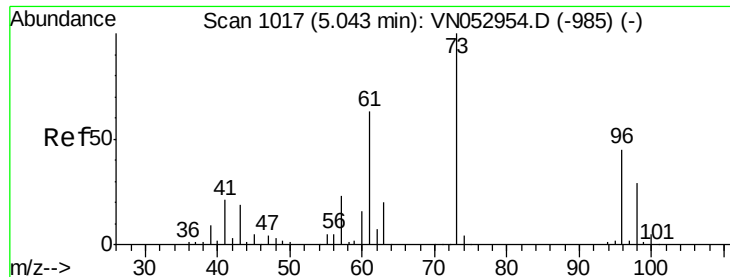
Tot Ion: 76 Resp: 1476946
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 54.227 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 532594
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 54.749 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

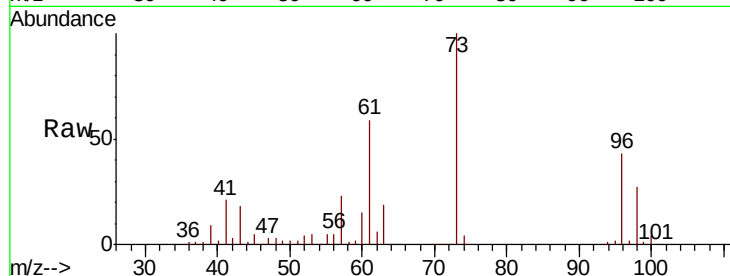
VSTDCCC050EC

Tot Ion: 73 Resp: 1516343

Ion Ratio Lower Upper

73 100

57 22.7 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN052954.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-985) (-)

5.05

400000

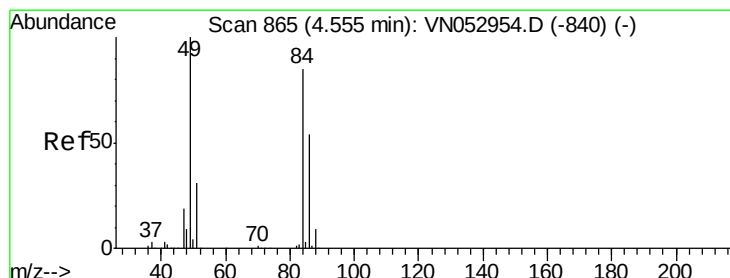
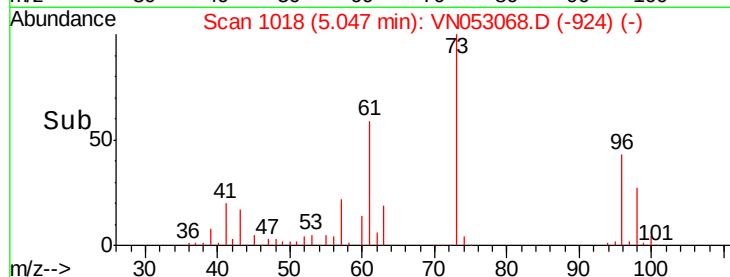
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 50.189 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion: 84 Resp: 591495

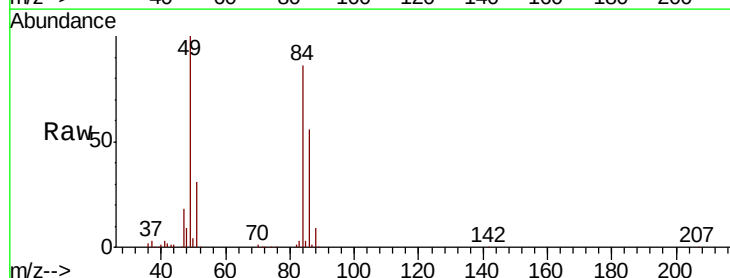
Ion Ratio Lower Upper

84 100

49 116.3 96.8 145.2

51 36.4 29.9 44.9

86 64.9 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052954.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN052954.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN052954.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN052954.D (-840) (-)

4.56

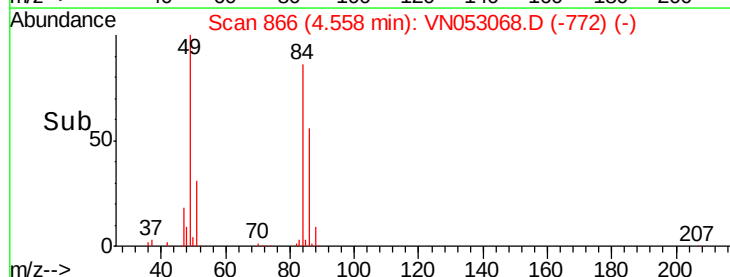
300000

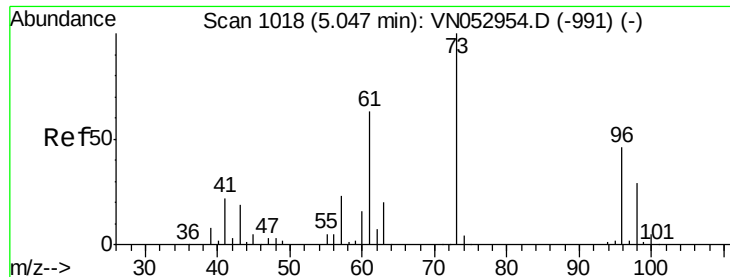
200000

100000

0

Time-->

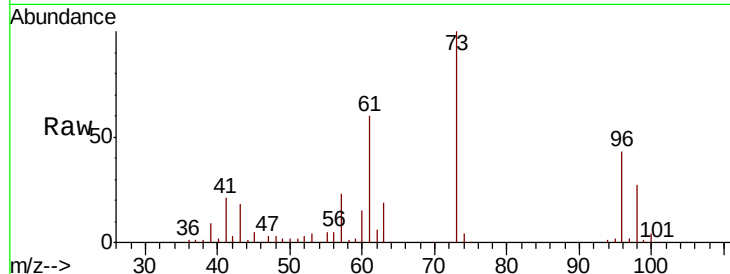




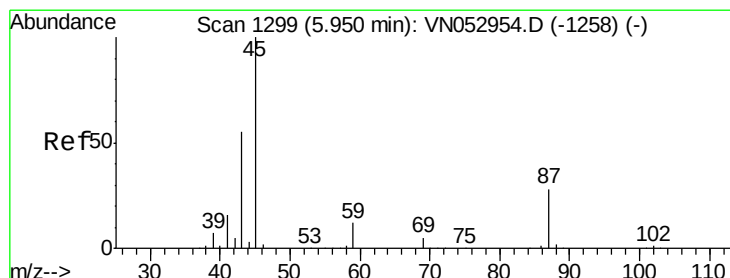
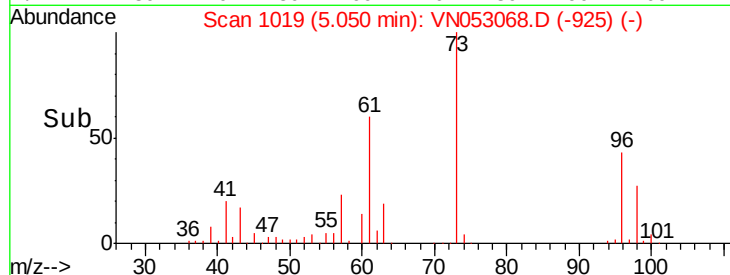
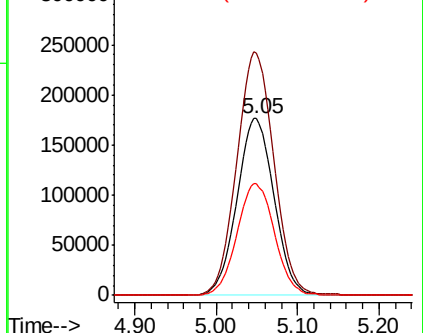
#21
trans-1,2-Dichloroethene
Concen: 50.054 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 556586
Ion Ratio Lower Upper
96 100
61 137.5 110.8 166.2
98 62.9 51.4 77.2

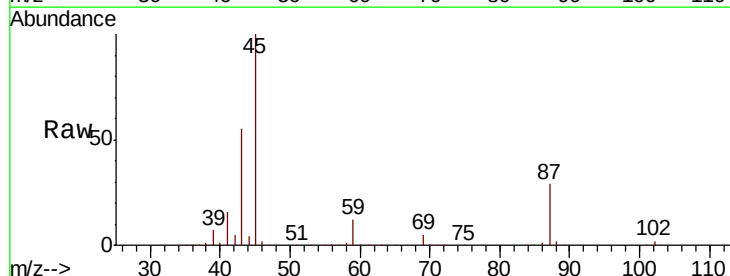


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

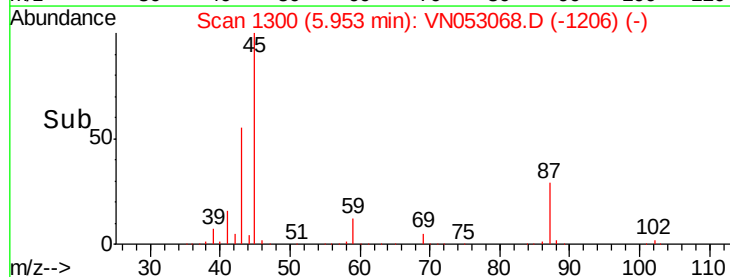
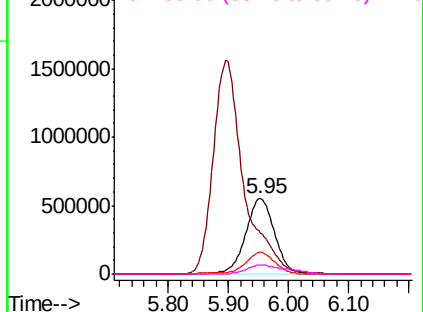


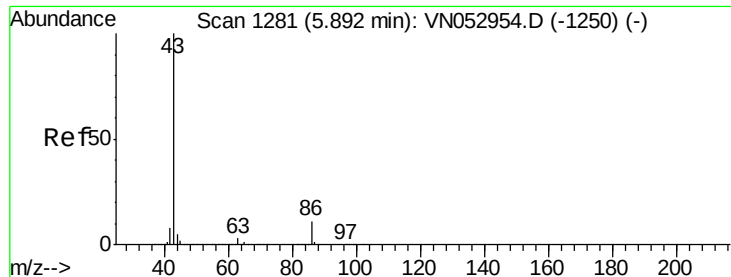
#22
Diisopropyl ether
Concen: 54.055 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 45 Resp: 1849700
Ion Ratio Lower Upper
45 100
43 54.4 45.5 68.3
87 28.5 22.0 33.0
59 12.2 9.4 14.0



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: 277.235 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

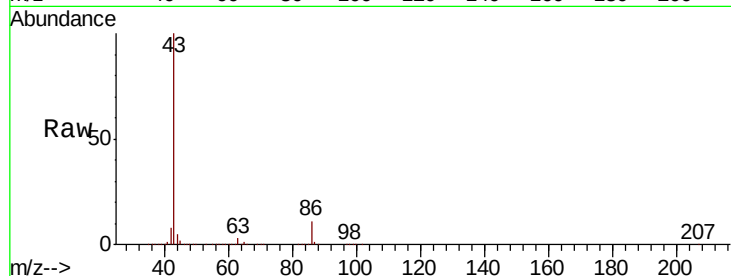
VSTDCCC050EC

Tot Ion: 43 Resp: 5455082

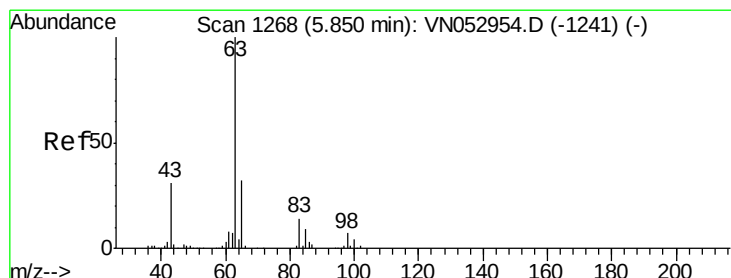
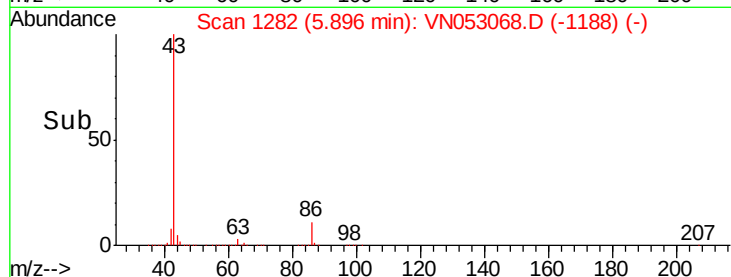
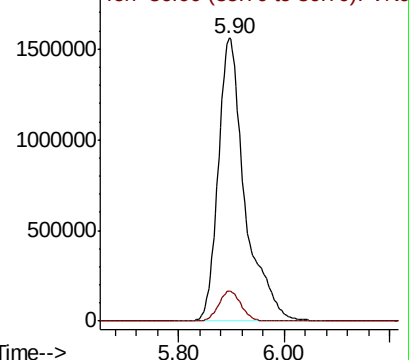
Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053068.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 52.025 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

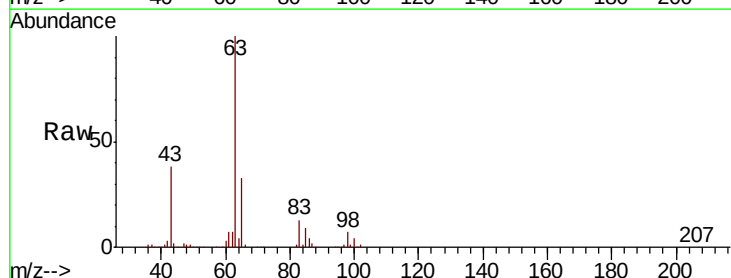
Tgt Ion: 63 Resp: 1057862

Ion Ratio Lower Upper

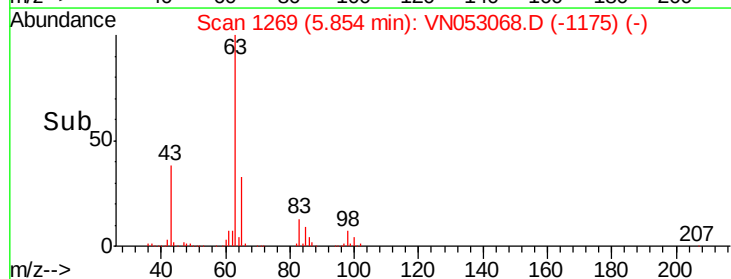
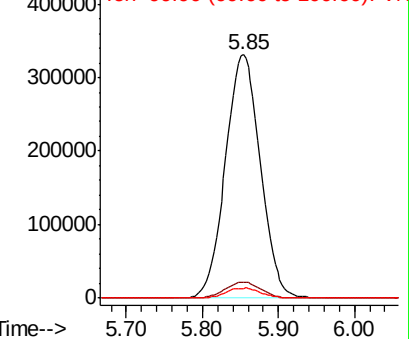
63 100

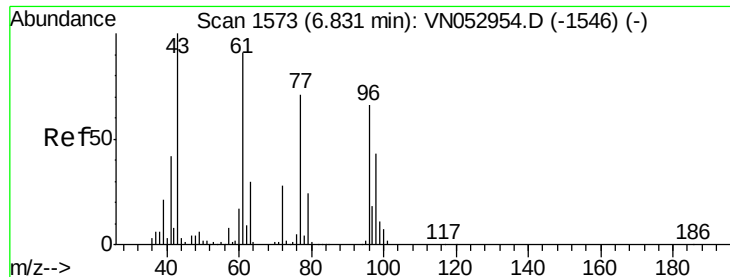
98 6.6 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053068.D (-1175) (-)

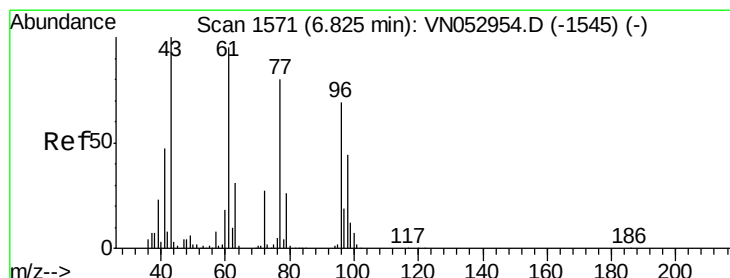
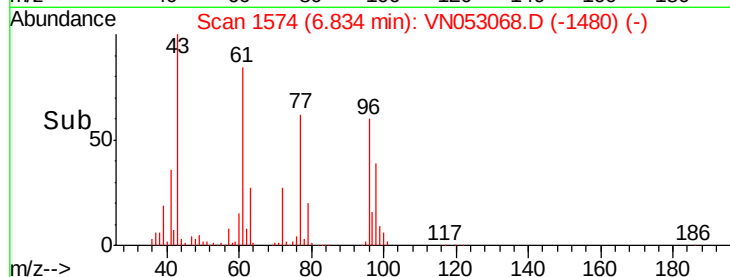
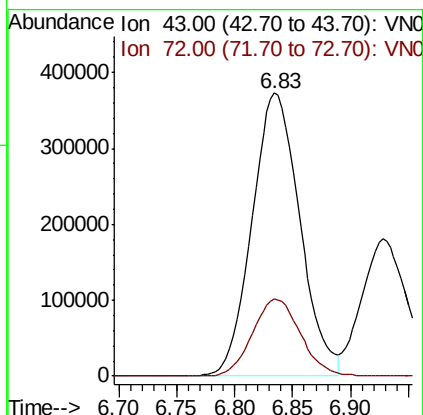
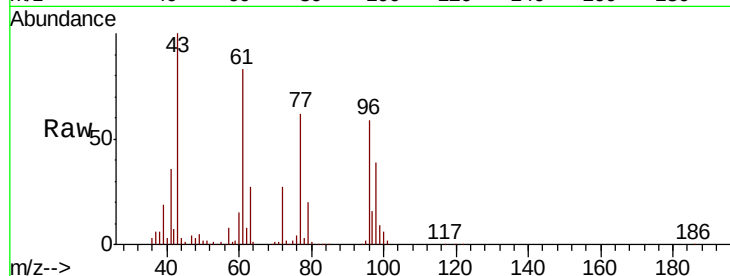




#25
2-Butanone
Concen: 294.581 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

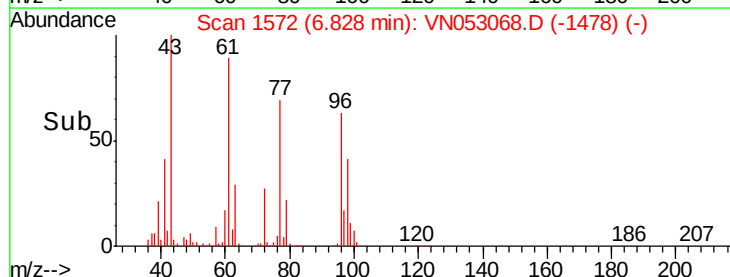
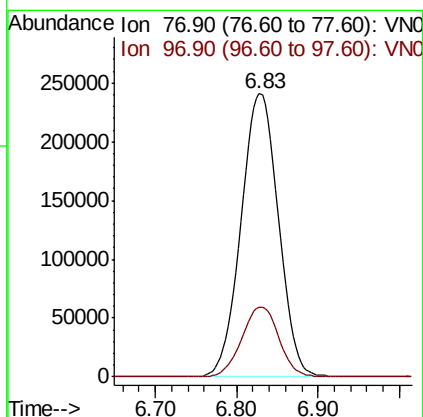
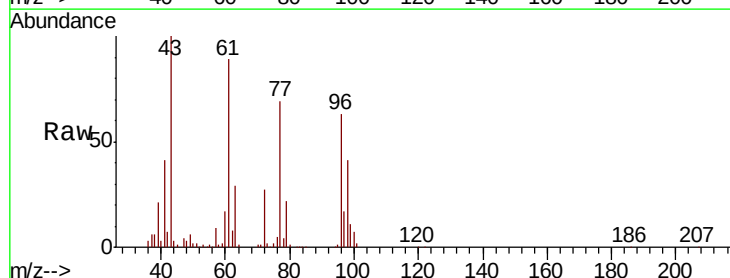
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

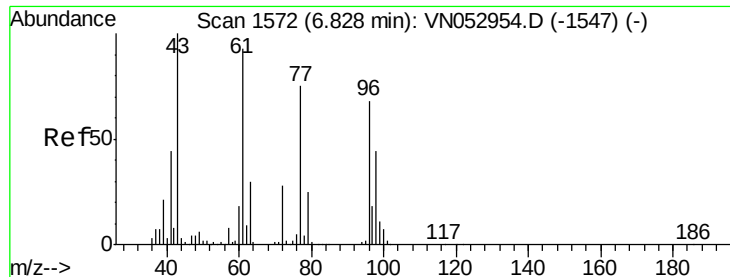
Tot Ion: 43 Resp: 1068123
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6



#26
2,2-Dichloropropane
Concen: 49.203 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 77 Resp: 763722
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.768 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

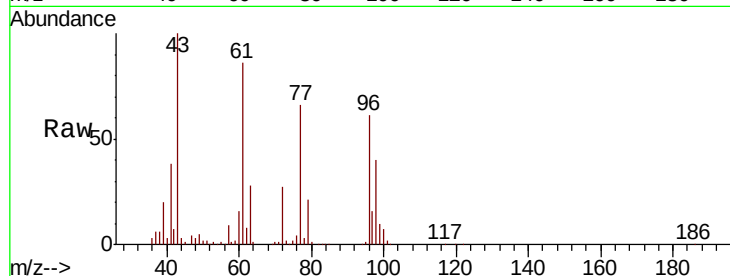
Tot Ion: 96 Resp: 651690

Ion Ratio Lower Upper

96 100

61 141.0 0.0 284.2

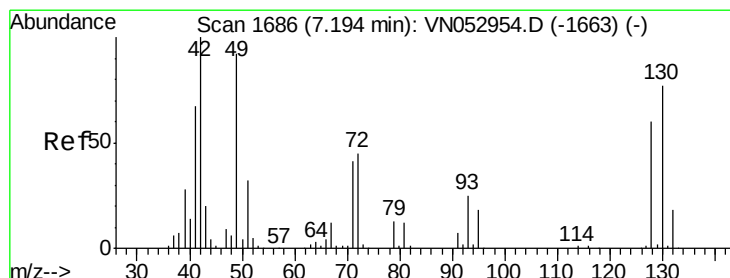
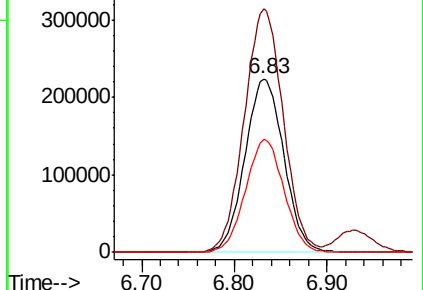
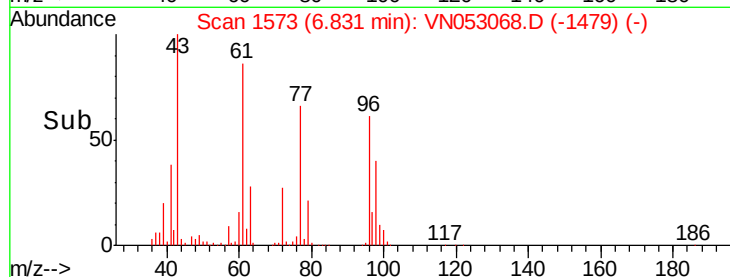
98 64.4 0.0 129.2



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: 53.557 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

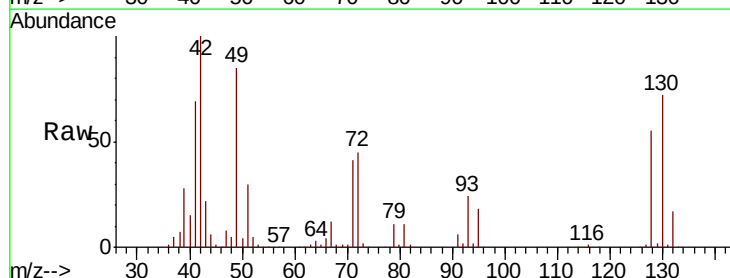
Tgt Ion: 49 Resp: 471887

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

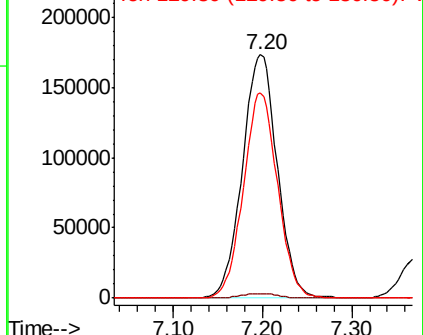
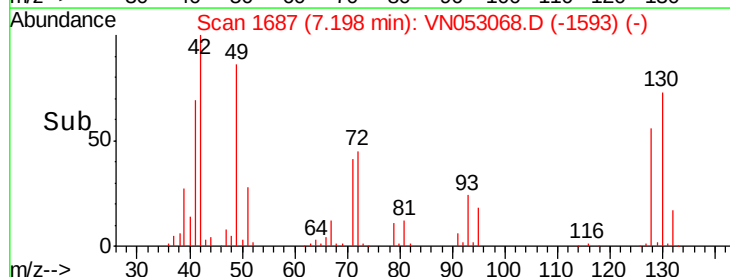
130 82.9 63.3 94.9

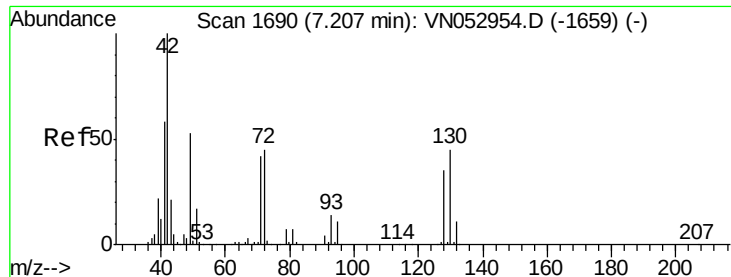


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

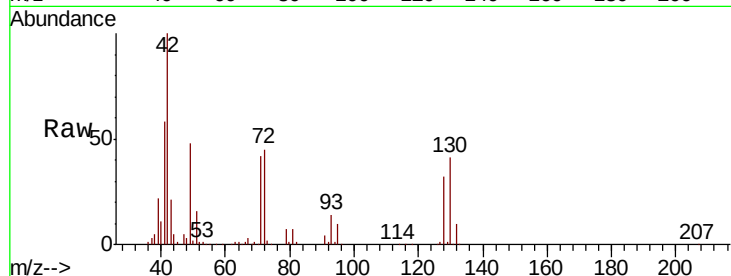




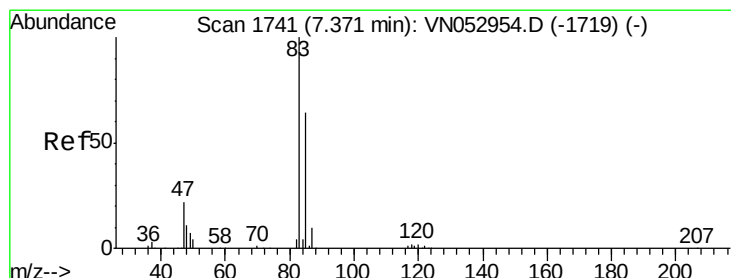
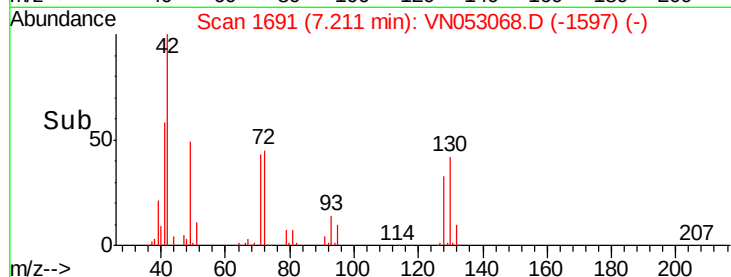
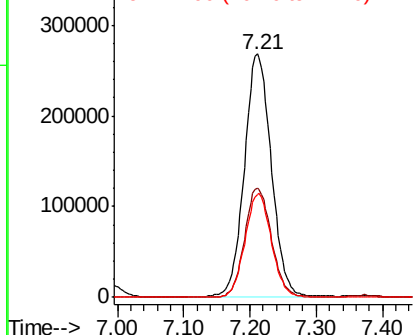
#29
Tetrahydrofuran
Concen: 279.669 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 757366
Ion Ratio Lower Upper
42 100
72 44.7 34.7 52.1
71 41.7 32.3 48.5

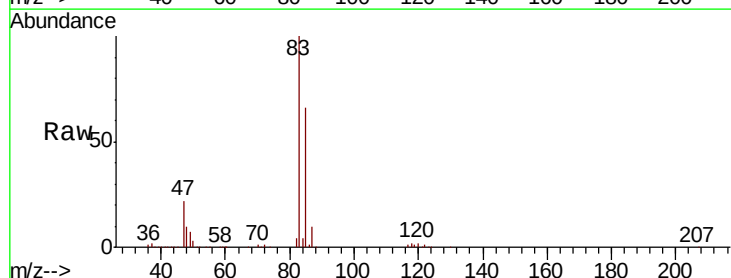


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

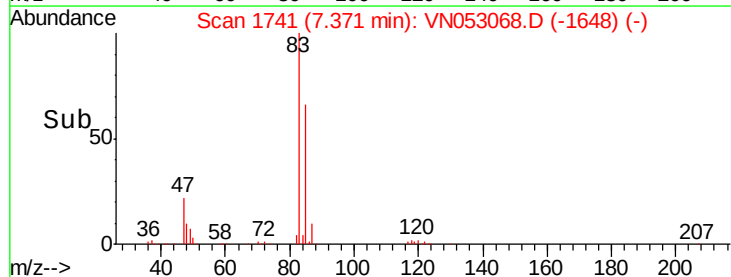
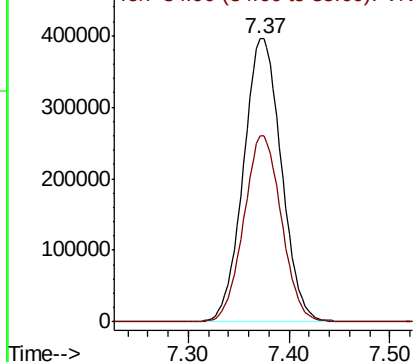


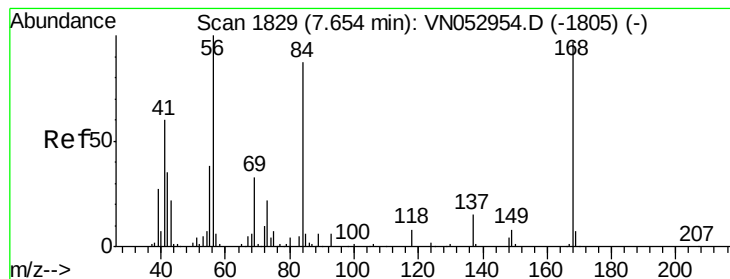
#30
Chloroform
Concen: 51.607 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 83 Resp: 1030839
Ion Ratio Lower Upper
83 100
85 65.7 52.1 78.1



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





#31

Cyclohexane

Concen: 51.176 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

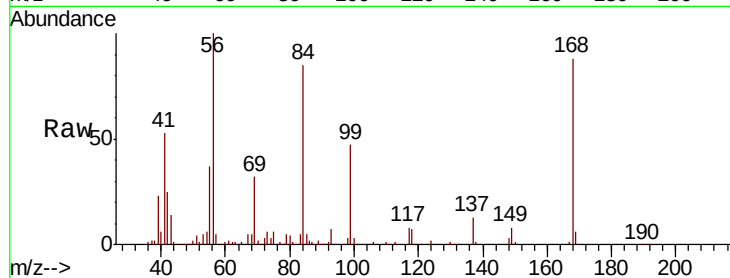
Tot Ion: 56 Resp: 975478

Ion Ratio Lower Upper

56 100

69 32.1 26.6 39.8

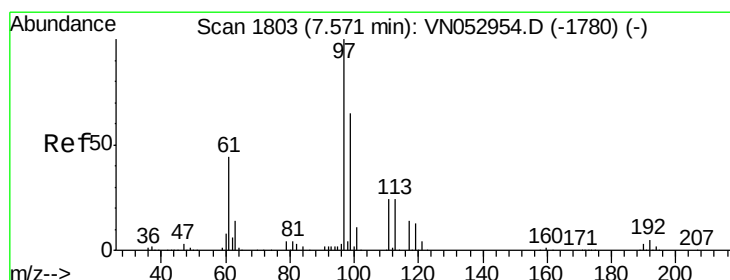
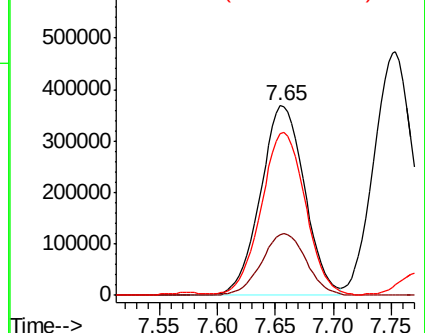
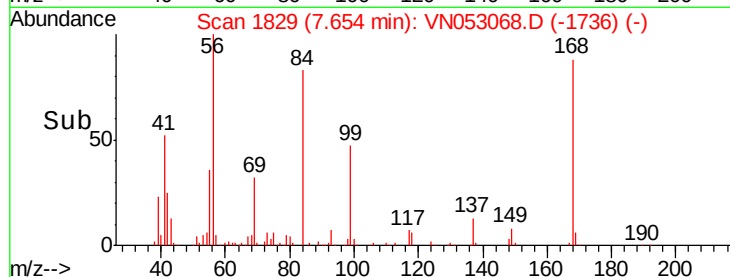
84 84.1 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053068.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053068.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053068.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.061 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

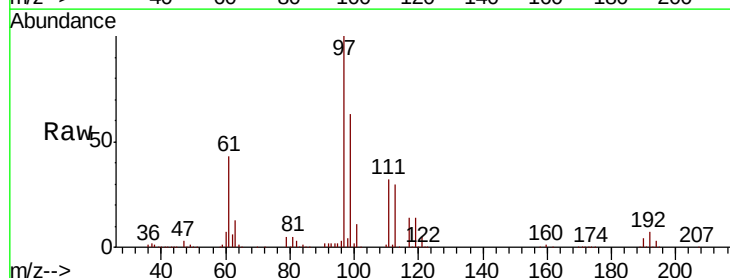
Tgt Ion: 97 Resp: 868846

Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

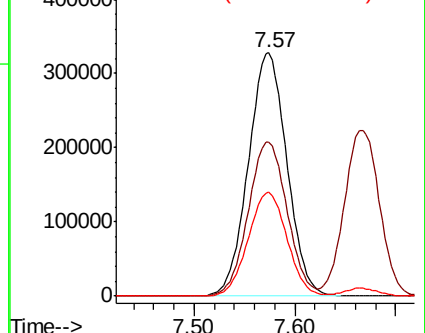
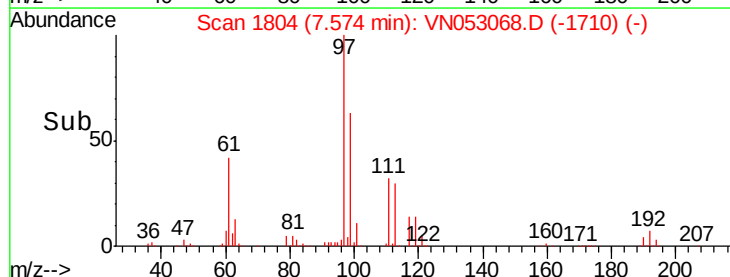
61 43.1 35.0 52.6

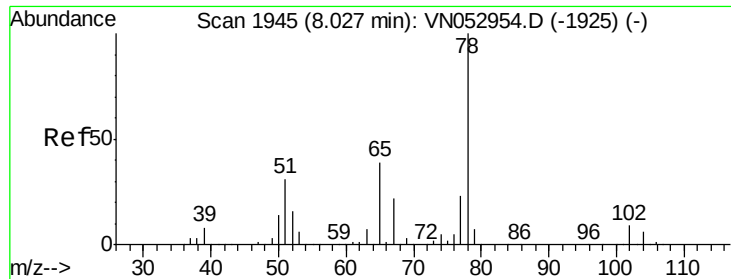


Abundance Ion 96.90 (96.60 to 97.60): VN053068.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053068.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053068.D (-1710) (-)

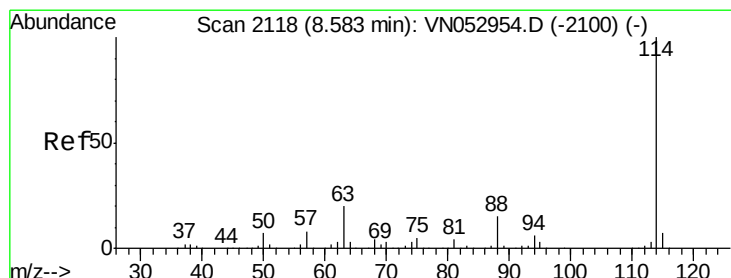
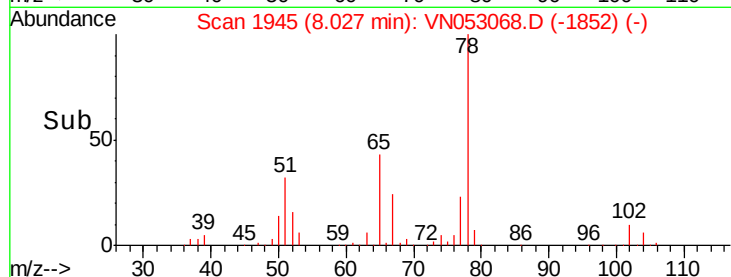
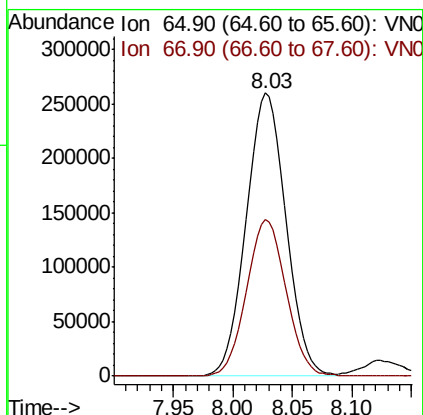
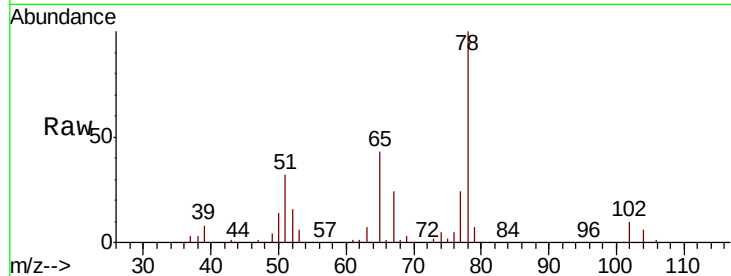




#33
 1,2-Dichloroethane-d4
 Concen: 51.061 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

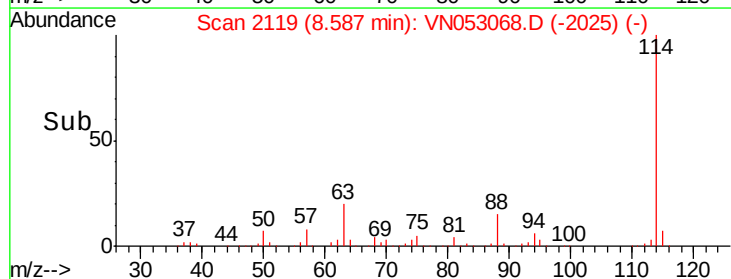
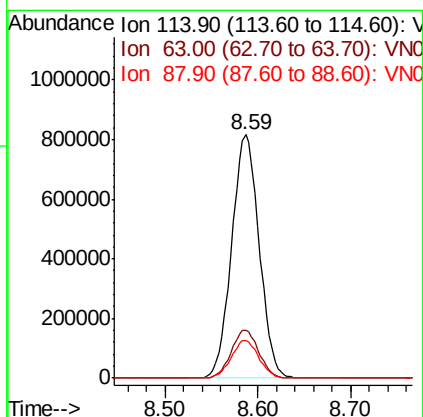
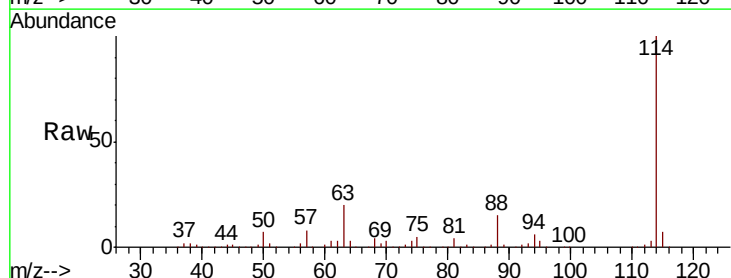
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

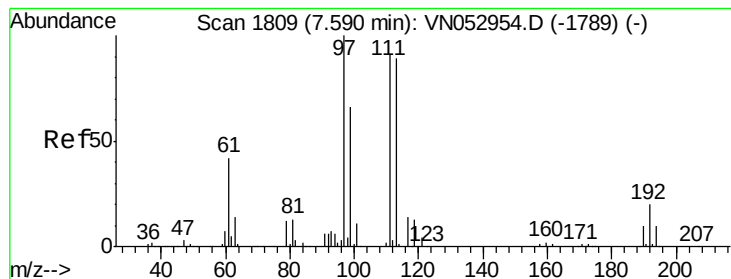
Tot Ion: 65 Resp: 603084
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 114 Resp: 1677715
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

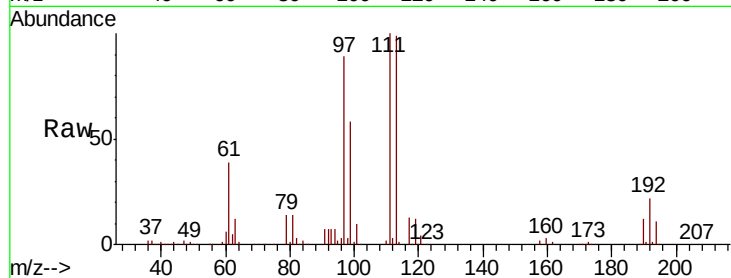
Tot Ion:113 Resp: 473324

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

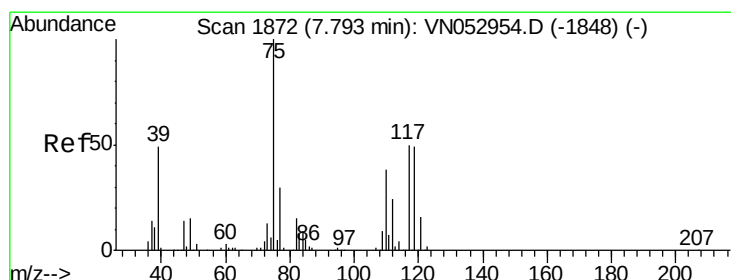
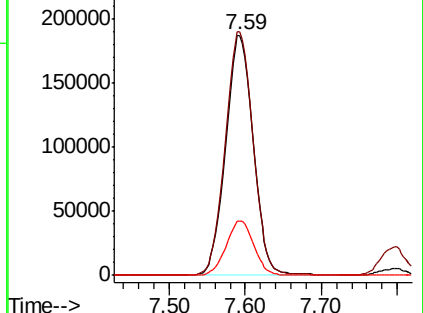
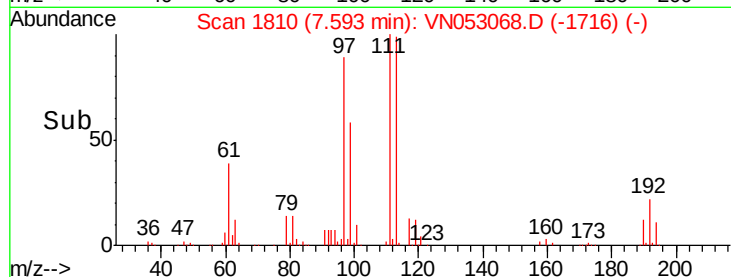
192 22.7 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.895 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

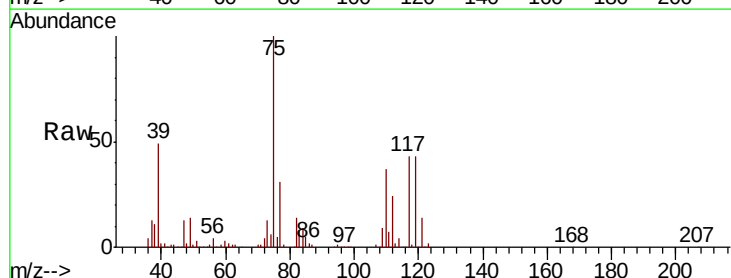
Tgt Ion: 75 Resp: 803460

Ion Ratio Lower Upper

75 100

110 36.4 18.2 54.6

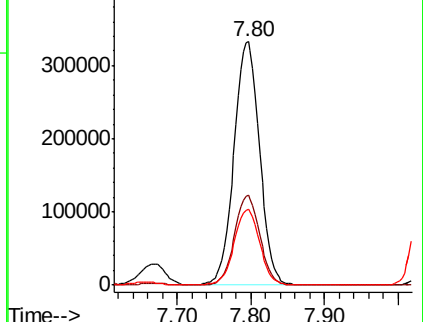
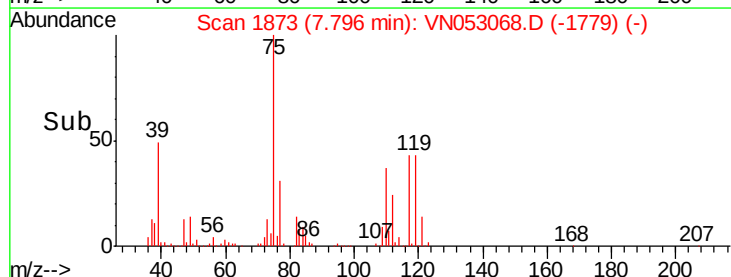
77 31.4 24.9 37.3

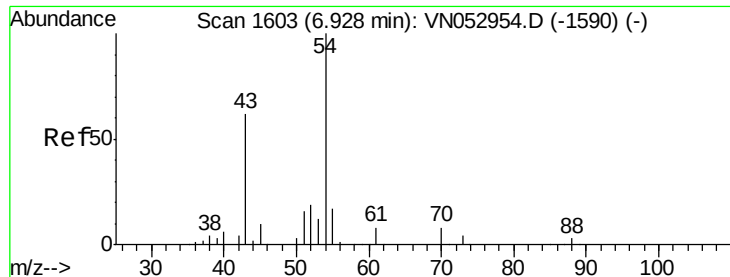


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

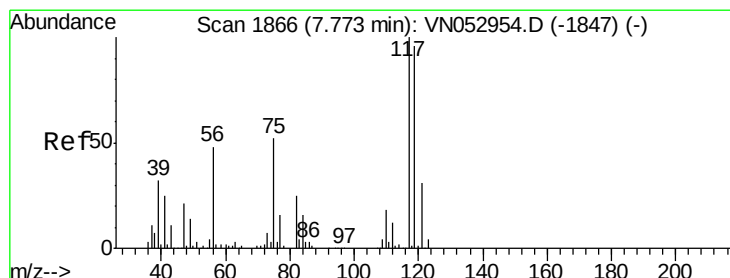
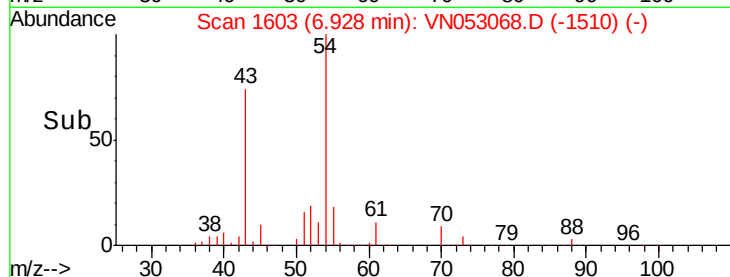
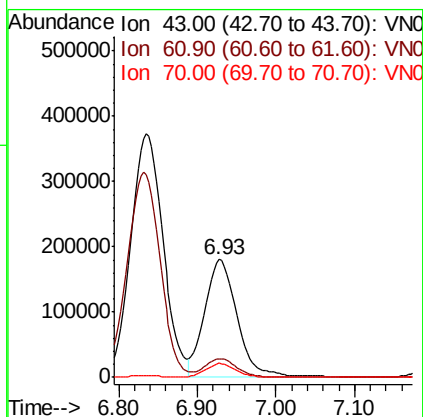
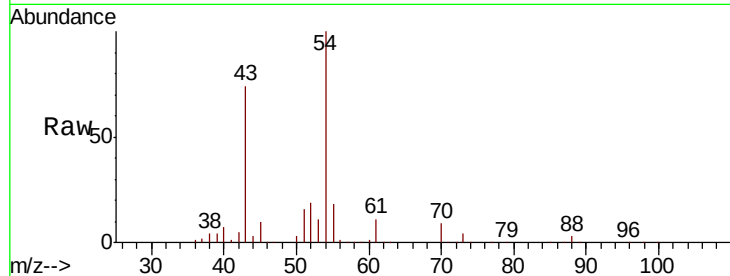




#37
Ethyl Acetate
Concen: 56.317 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

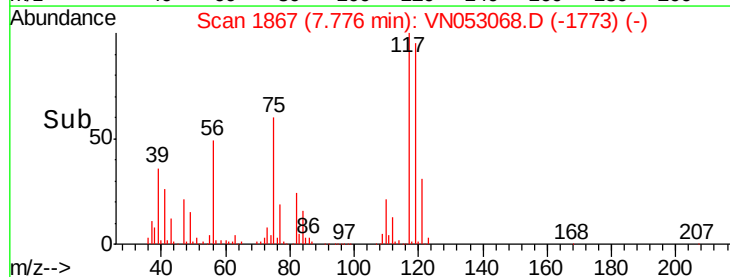
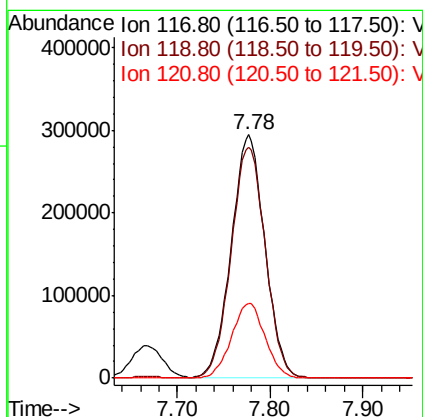
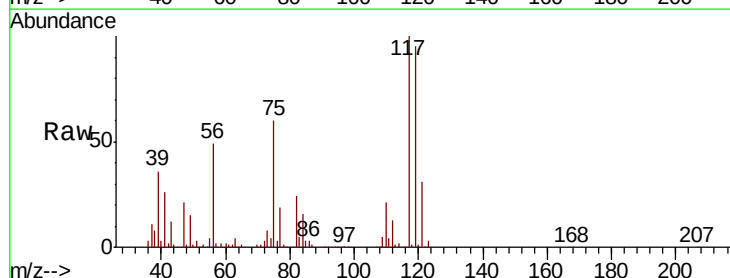
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

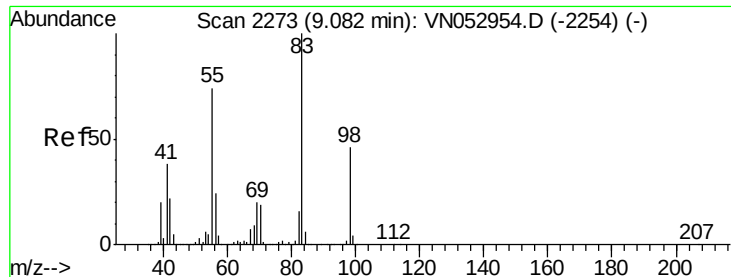
Tot Ion: 43 Resp: 506266
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.053 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 117 Resp: 738788
Ion Ratio Lower Upper
117 100
119 95.0 77.1 115.7
121 31.0 24.9 37.3

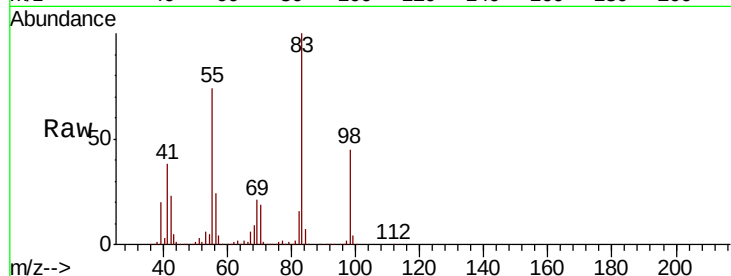




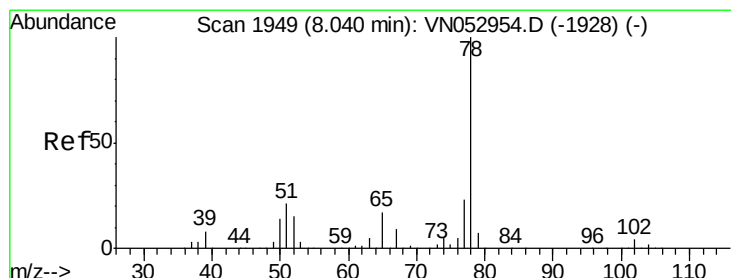
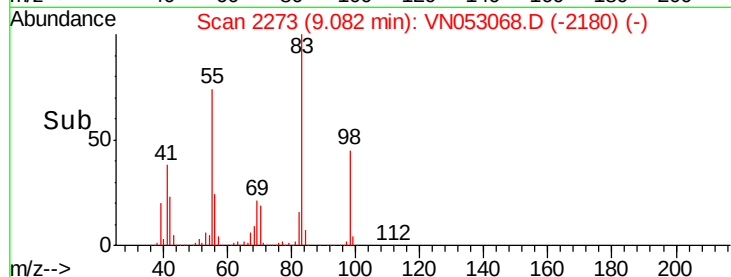
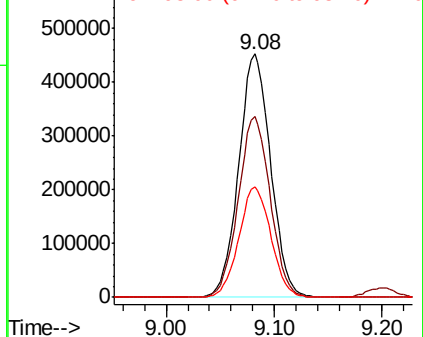
#39
Methylvlcyclohexane
Concen: 47.655 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 932222
Ion Ratio Lower Upper
83 100
55 74.3 61.3 91.9
98 45.3 37.0 55.4

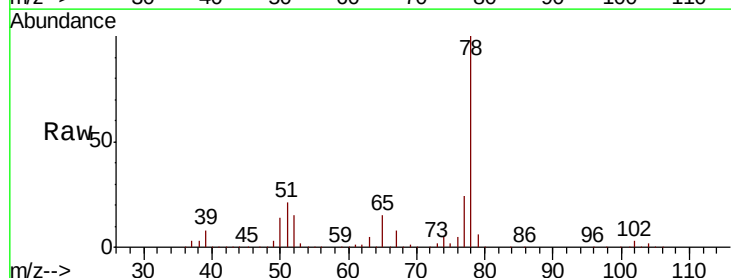


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

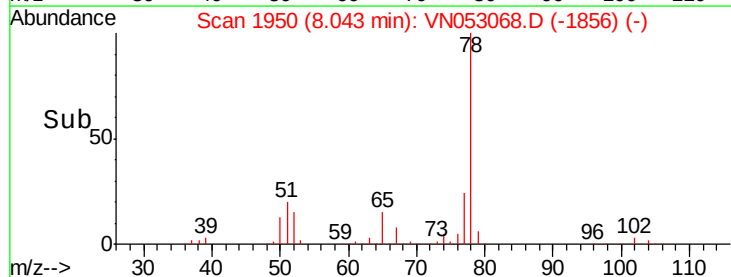
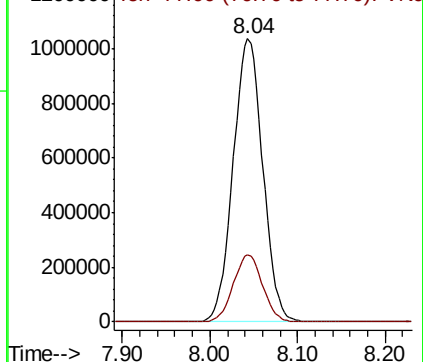


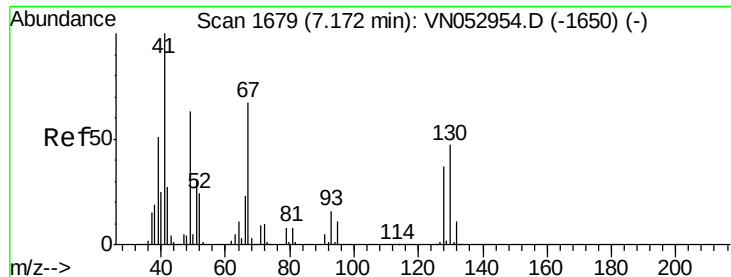
#40
Benzene
Concen: 50.810 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 78 Resp: 2433739
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

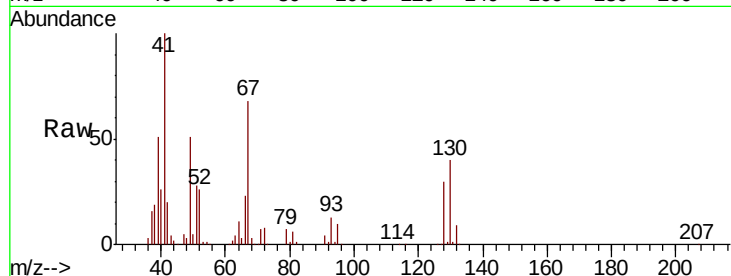




#41
Methacrylonitrile
Concen: 52.010 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	270144
Ion	Ratio	Lower	Upper
41	100		
39	68.5	48.0	72.0
67	88.6	70.3	105.5
52	33.8	26.9	40.3



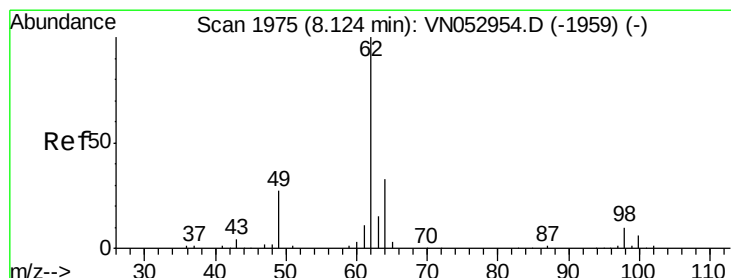
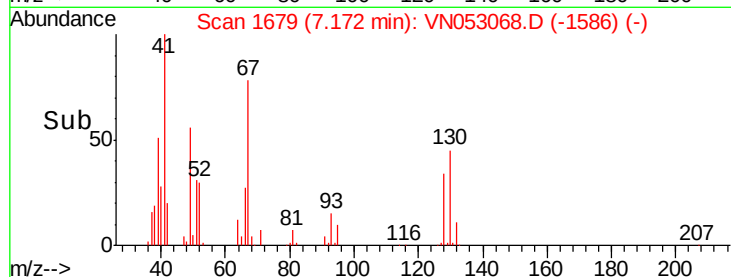
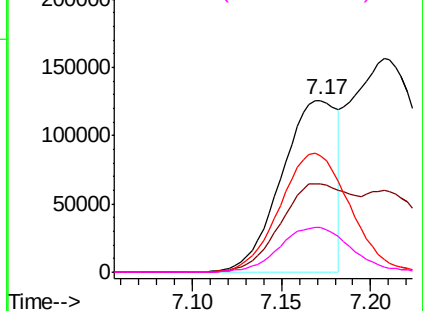
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

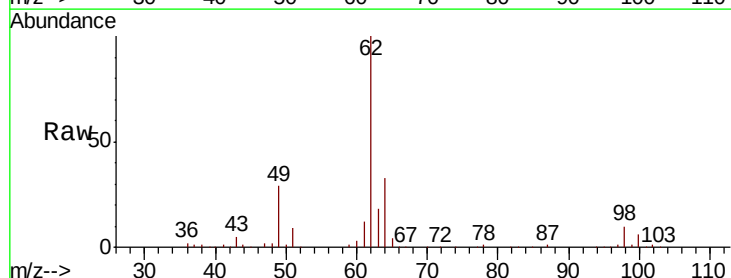
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 51.414 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

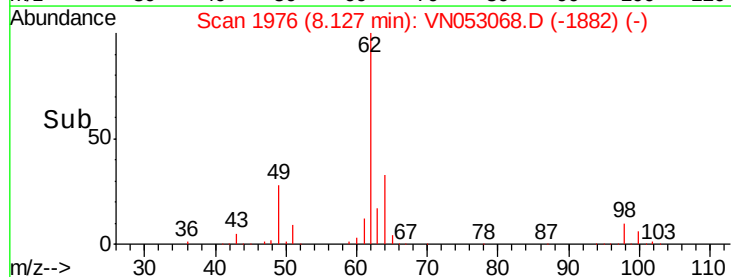
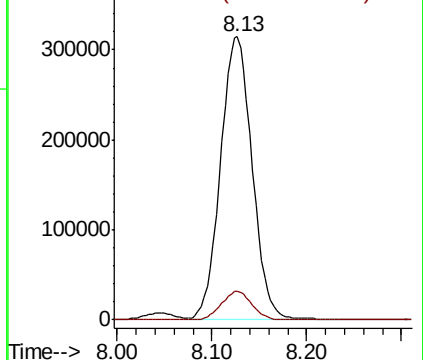
Tgt Ion:	62	Resp:	727516
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0

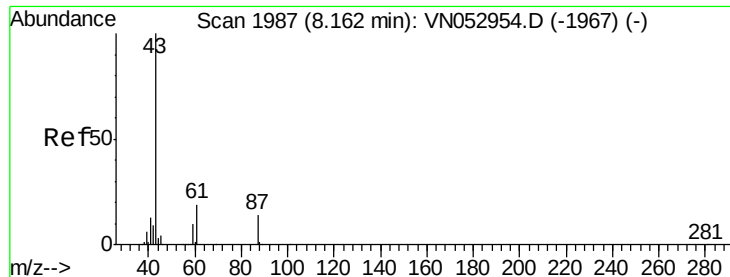


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 54.590 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

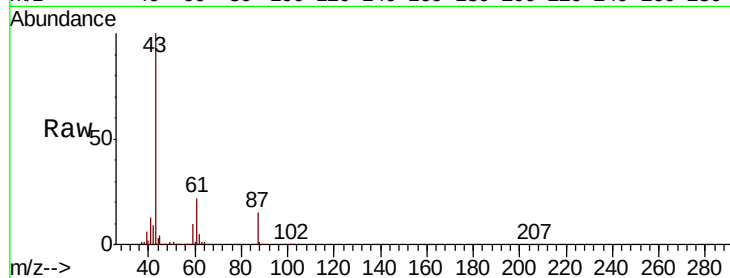
Tot Ion: 43 Resp: 948004

Ion Ratio Lower Upper

43 100

61 28.9 22.9 34.3

87 13.9 10.6 15.8

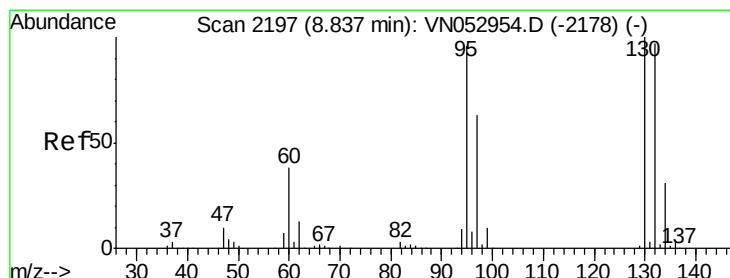
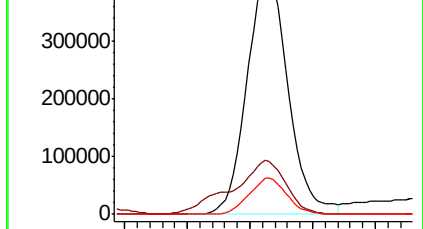
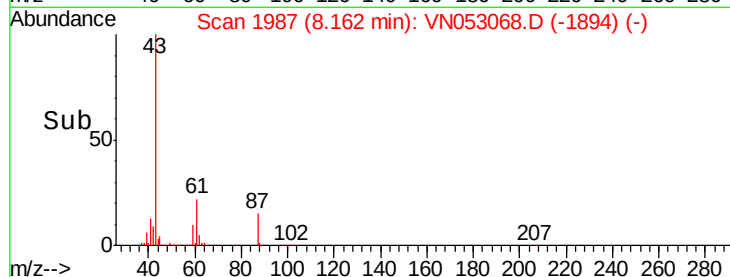


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 48.993 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053068.D

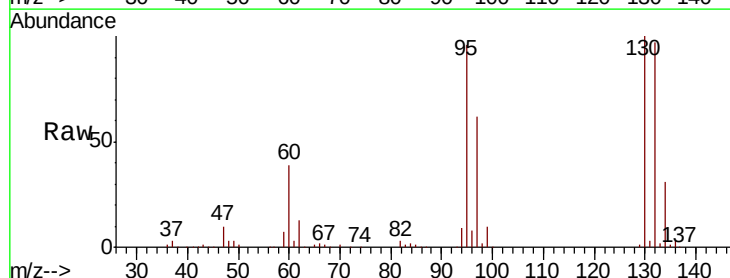
Acq: 20 Dec 2018 20:22

Tgt Ion:130 Resp: 678753

Ion Ratio Lower Upper

130 100

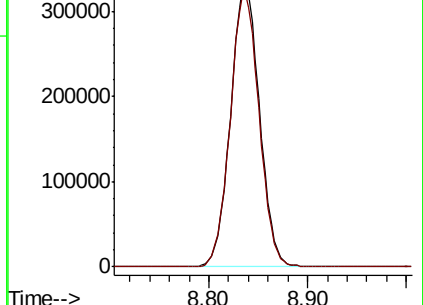
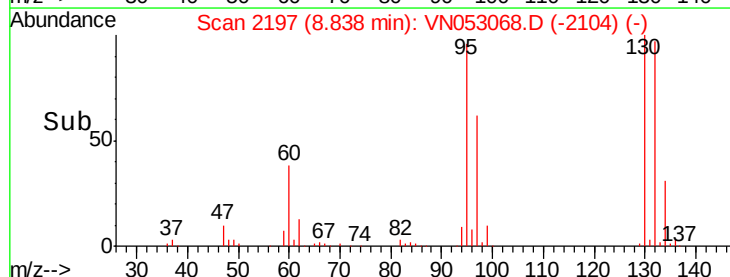
95 95.8 0.0 197.8

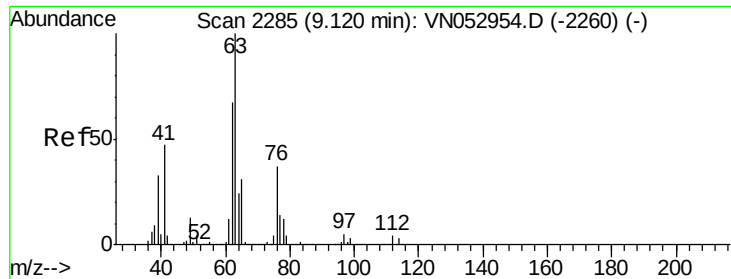


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

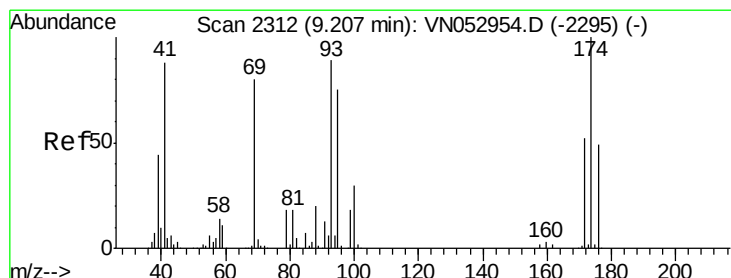
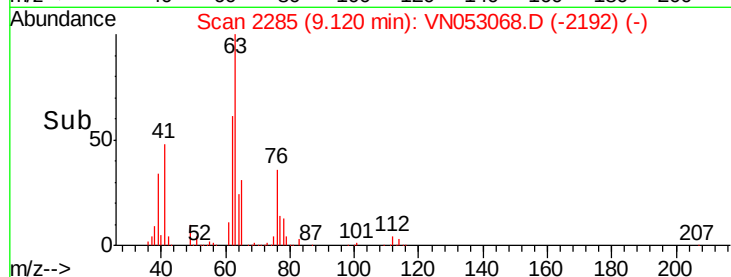
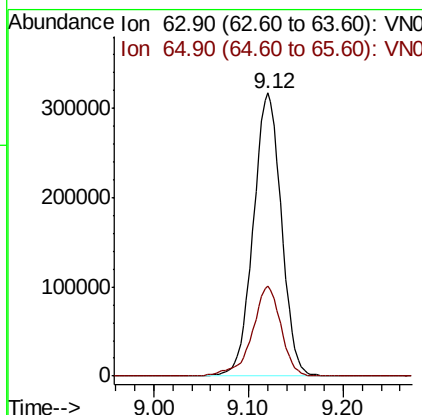
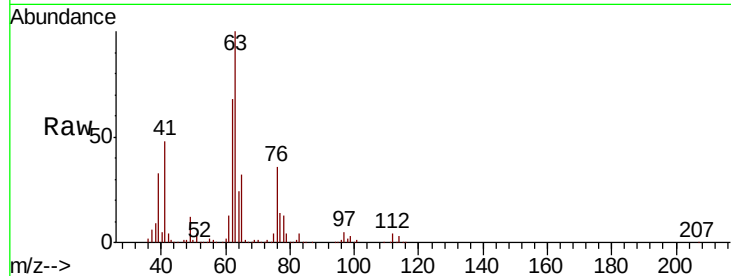




#45
 1,2-Dichloropropane
 Concen: 52.339 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

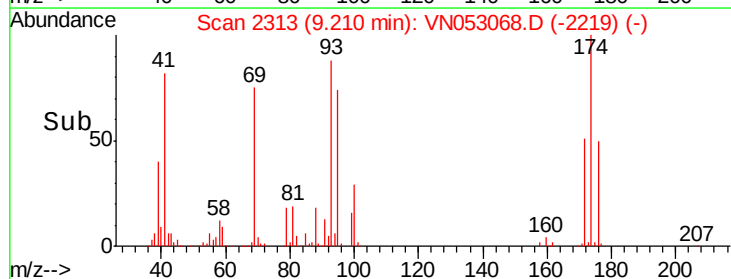
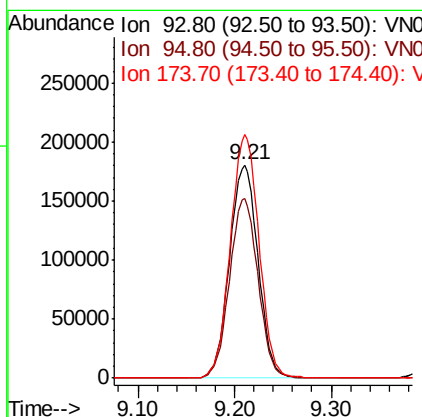
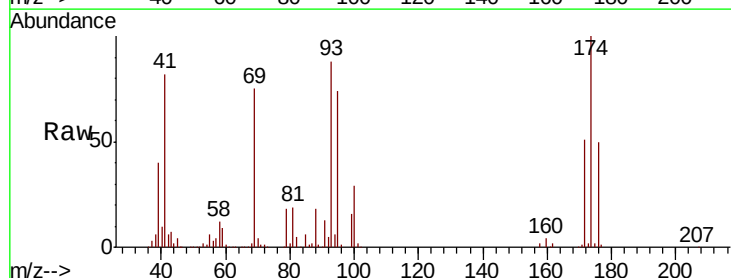
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

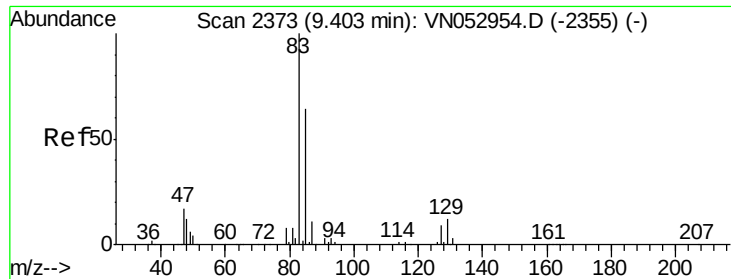
Tot Ion: 63 Resp: 652988
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0



#46
 Dibromomethane
 Concen: 50.992 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 93 Resp: 370609
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 114.4 89.0 133.4

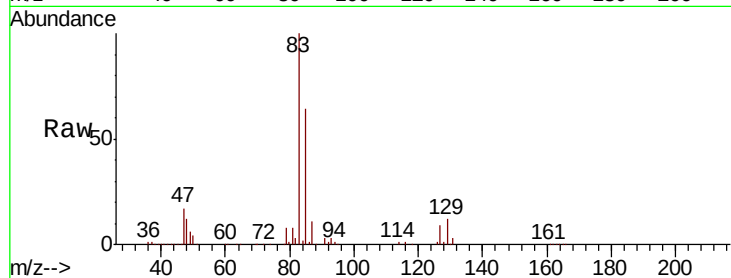




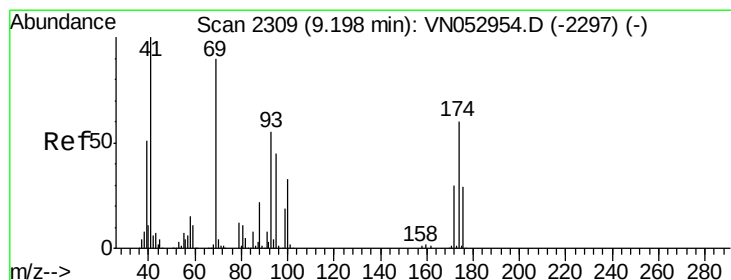
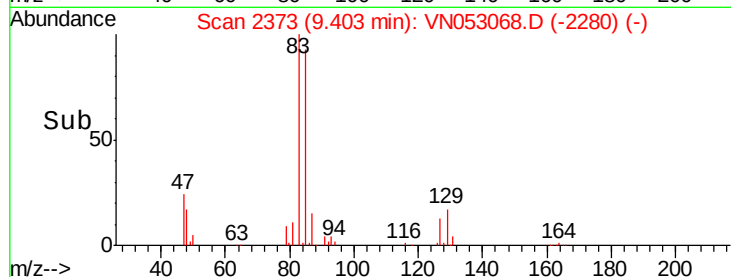
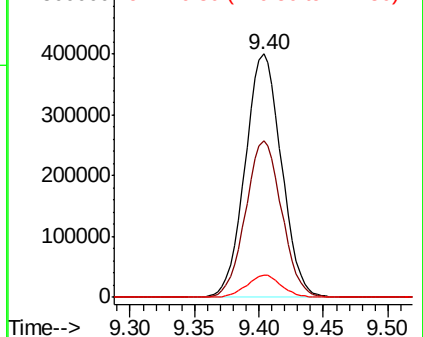
#47
Bromodichloromethane
Concen: 50.900 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 786359
Ion Ratio Lower Upper
83 100
85 64.3 51.6 77.4
127 9.1 7.1 10.7

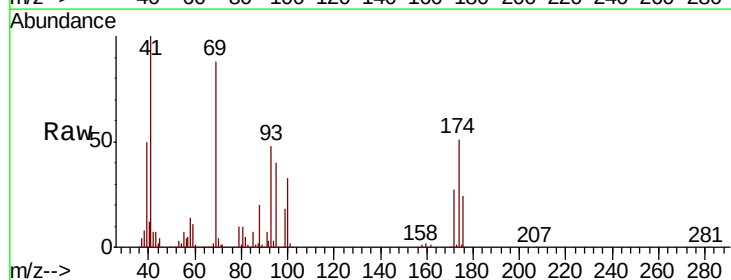


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

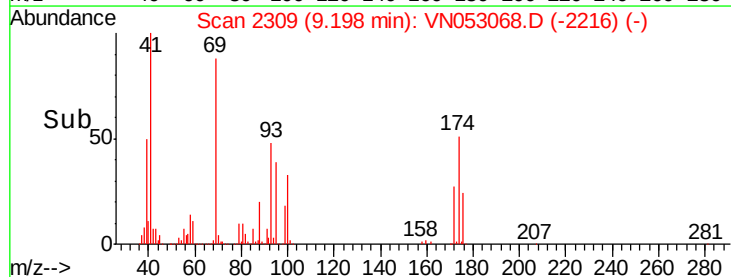
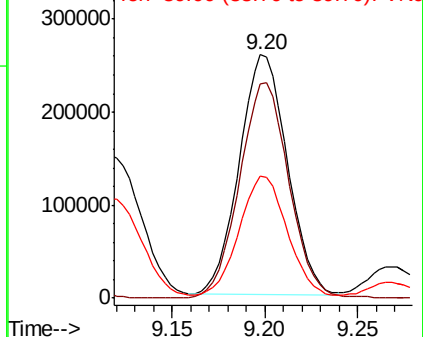


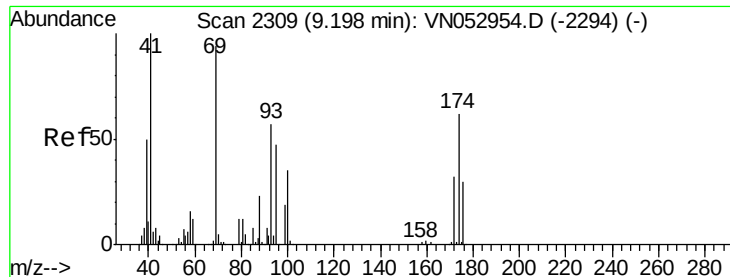
#48
Methyl methacrylate
Concen: 53.684 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 41 Resp: 468295
Ion Ratio Lower Upper
41 100
69 92.1 72.2 108.2
39 51.6 41.9 62.9



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

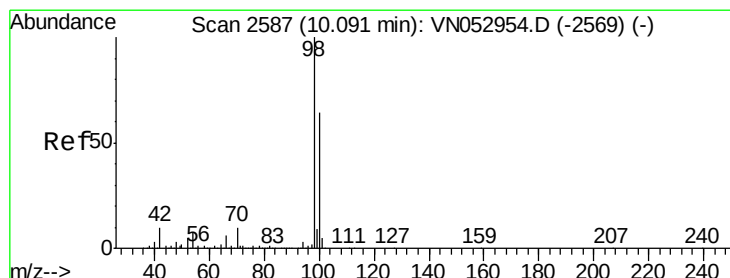
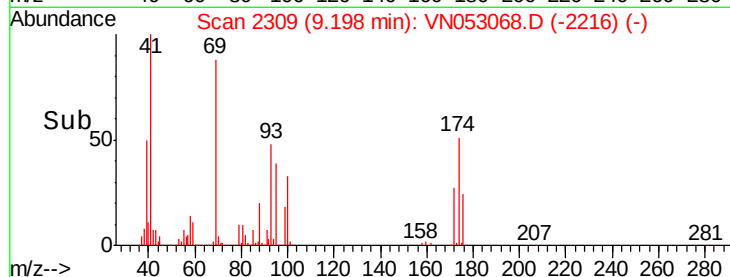
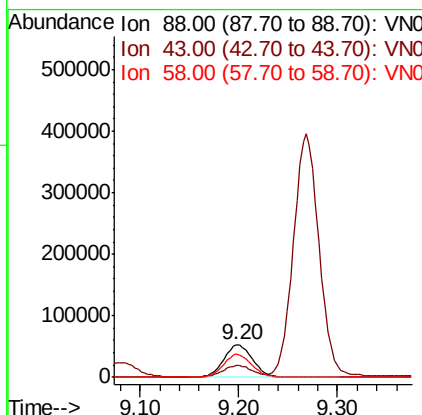
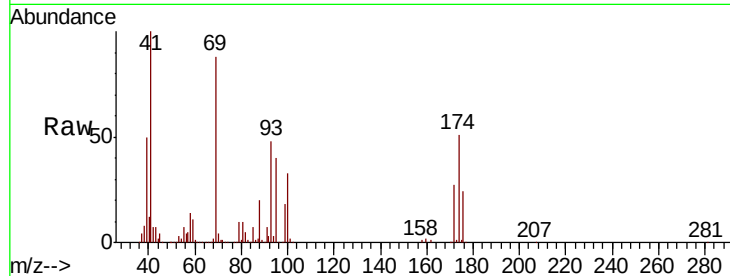




#49
1,4-Dioxane
Concen: 990.703 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

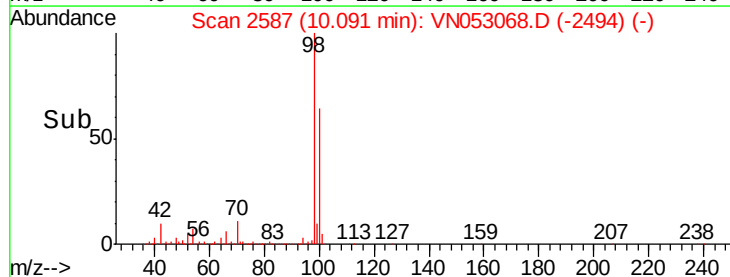
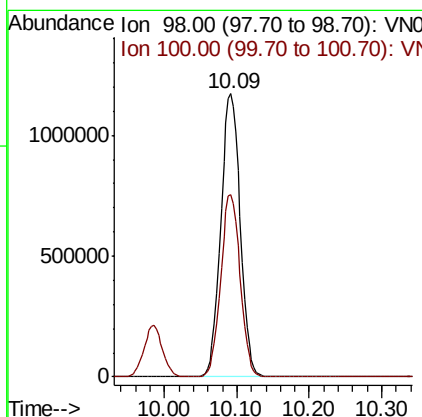
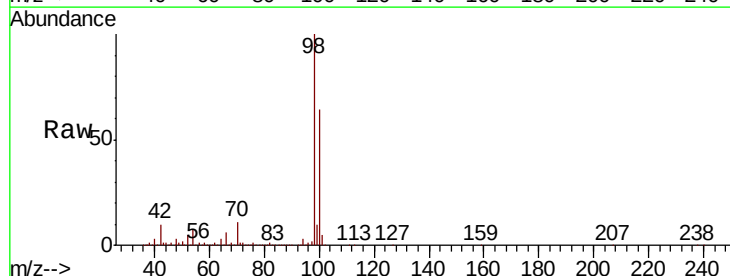
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

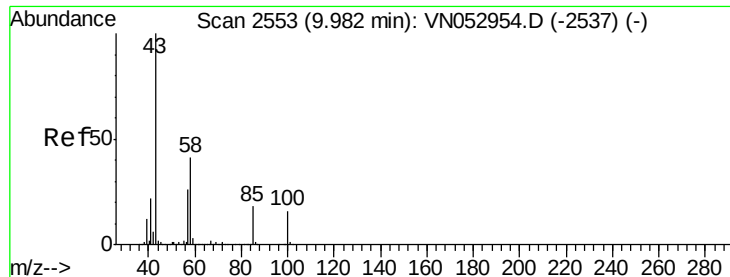
Tot Ion: 88 Resp: 109319
Ion Ratio Lower Upper
88 100
43 32.9 26.6 40.0
58 69.0 58.4 87.6



#50
Toluene-d8
Concen: 990.703 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 98 Resp: 2168346
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 278.456 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

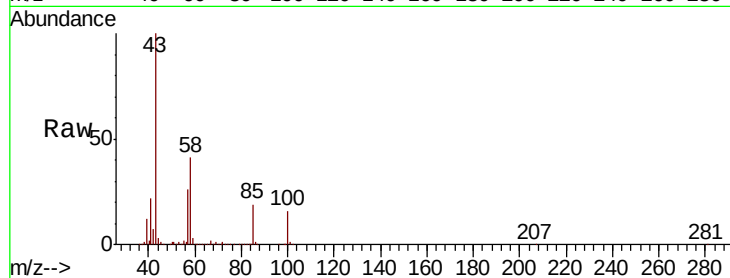
VSTDCCC050EC

Tot Ion: 43 Resp: 2424156

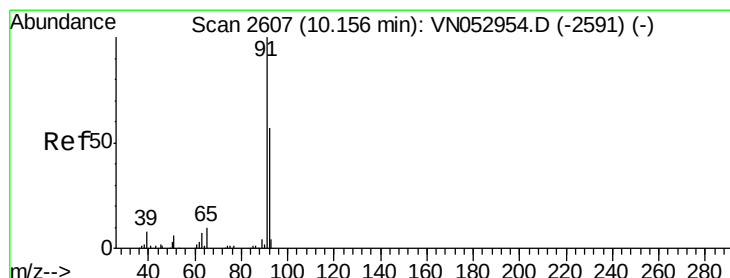
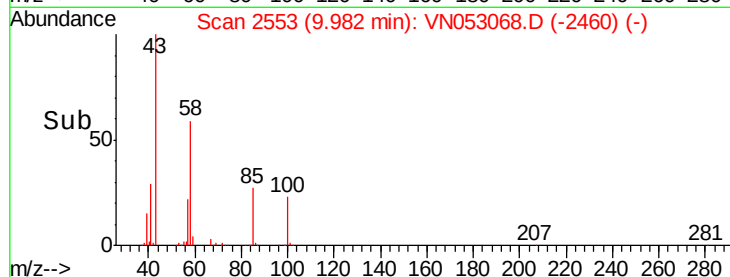
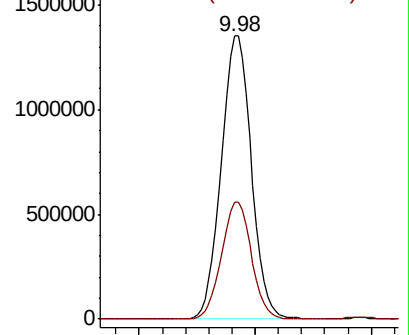
Ion Ratio Lower Upper

43 100

58 41.2 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)



#52

Toluene

Concen: 50.120 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053068.D

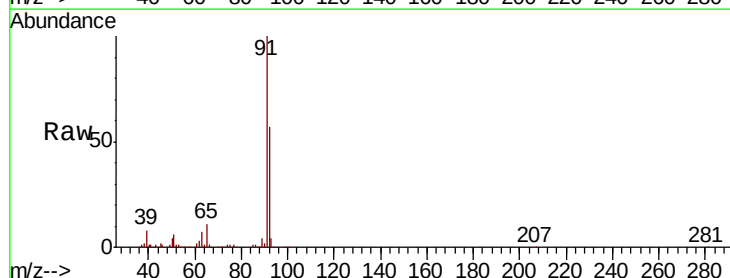
Acq: 20 Dec 2018 20:22

Tgt Ion: 92 Resp: 1487991

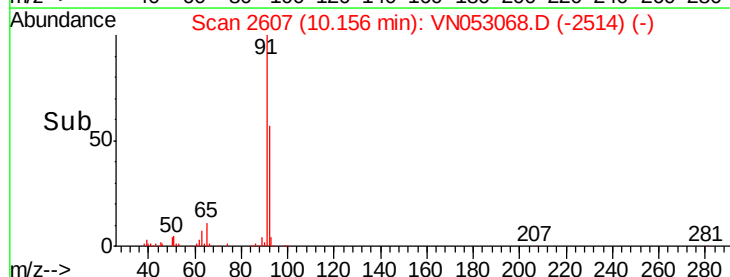
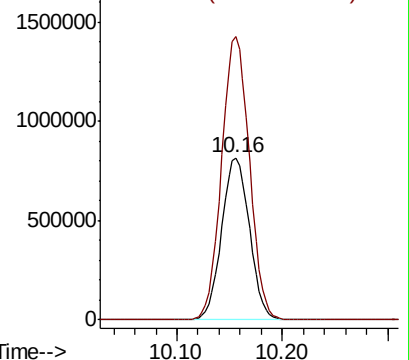
Ion Ratio Lower Upper

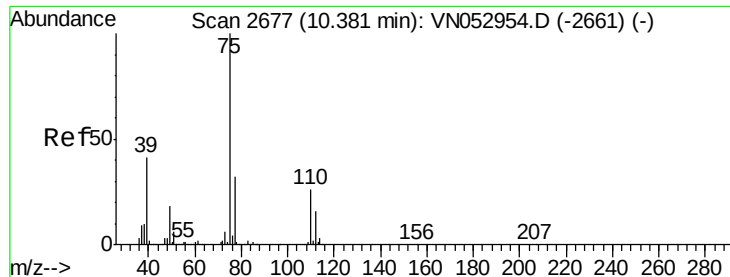
92 100

91 175.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052954.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 50.129 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

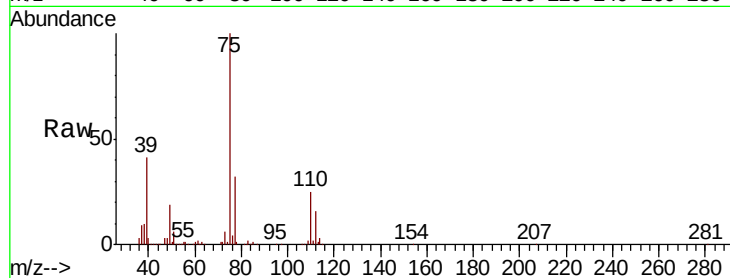
VSTDCCC050EC

Tot Ion: 75 Resp: 814361

Ion Ratio Lower Upper

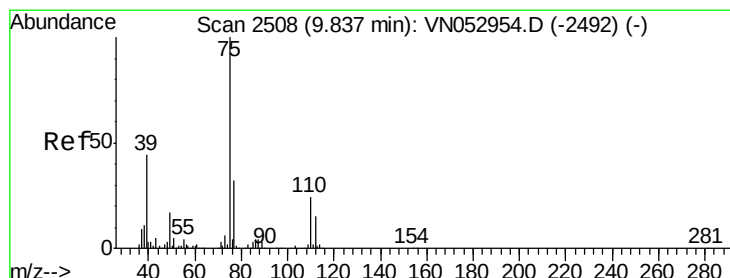
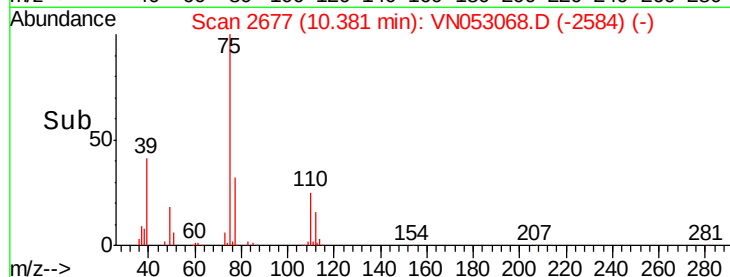
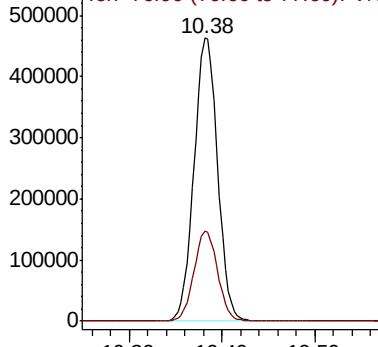
75 100

77 31.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.884 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

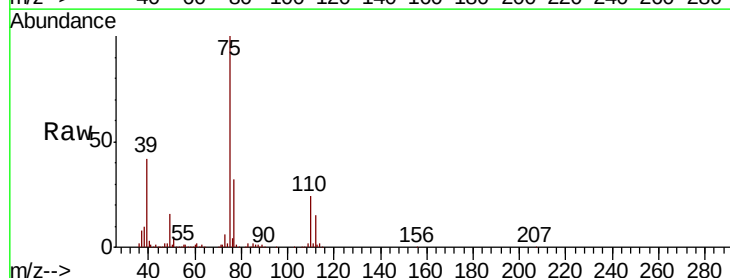
Tgt Ion: 75 Resp: 948843

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

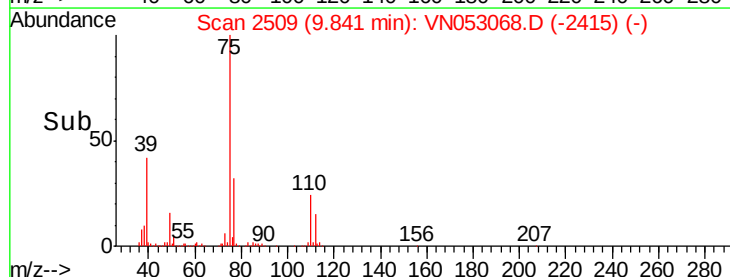
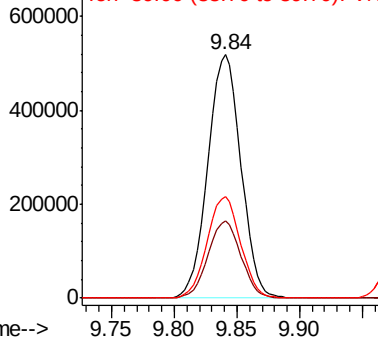
39 41.6 34.8 52.2

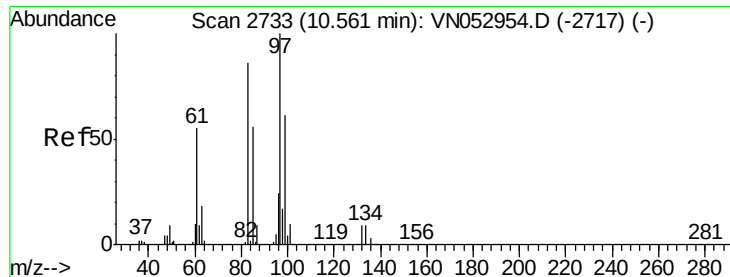


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

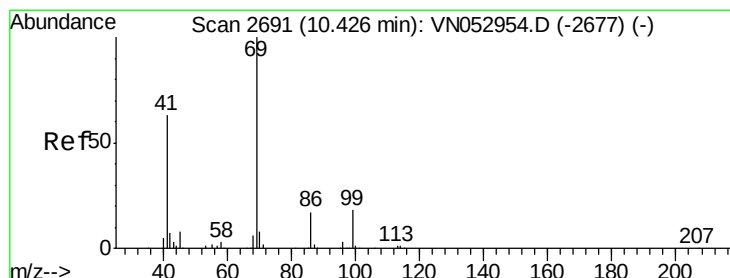
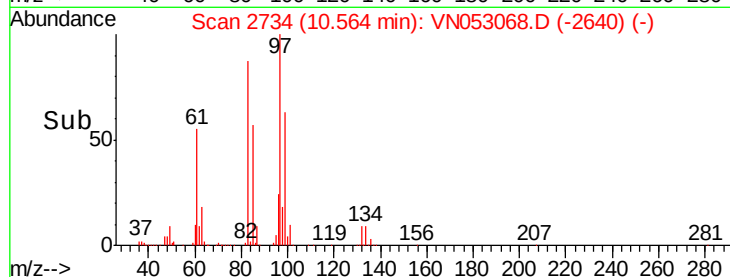
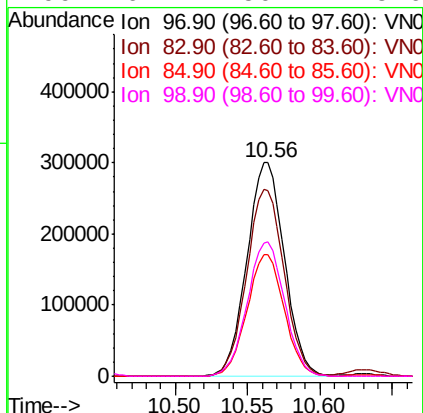
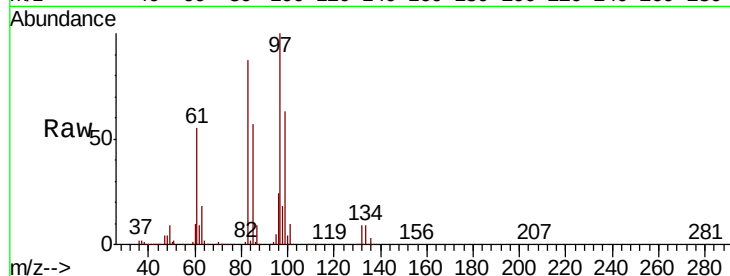




#55
 1,1,2-Trichloroethane
 Concen: 52.213 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

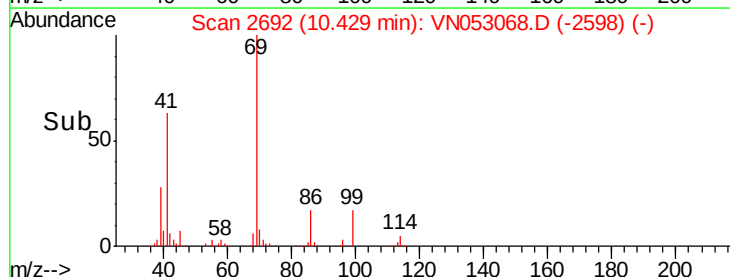
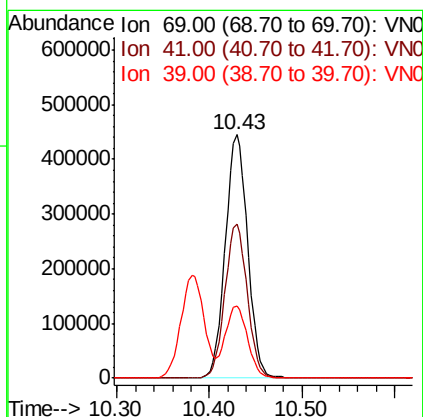
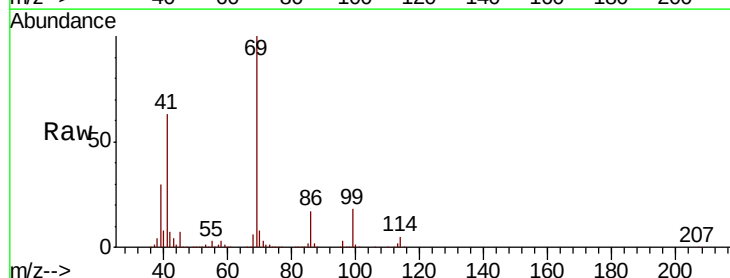
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

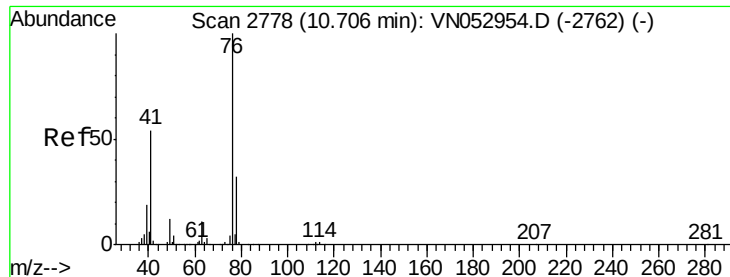
Tot Ion:	97	Resp:	540794
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.9	106.3
85	56.8	45.4	68.2
99	62.7	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 54.109 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion:	69	Resp:	741791
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.909 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

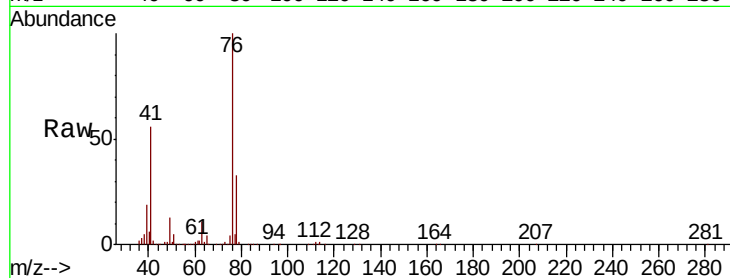
VSTDCCC050EC

Tot Ion: 76 Resp: 921974

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN053068.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN053068.D (-2685) (-)

10.71

500000

400000

300000

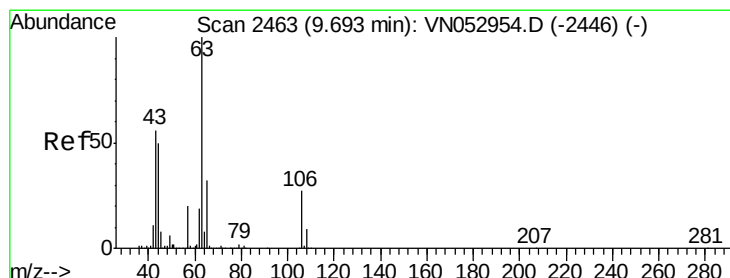
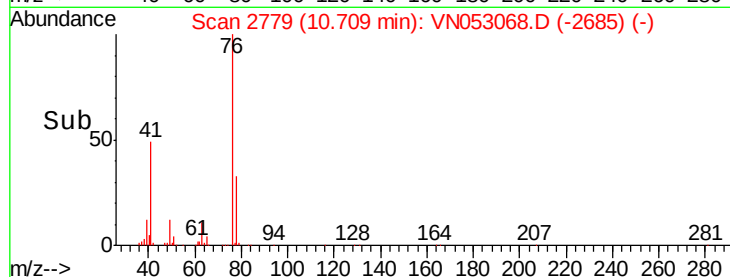
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 273.326 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053068.D

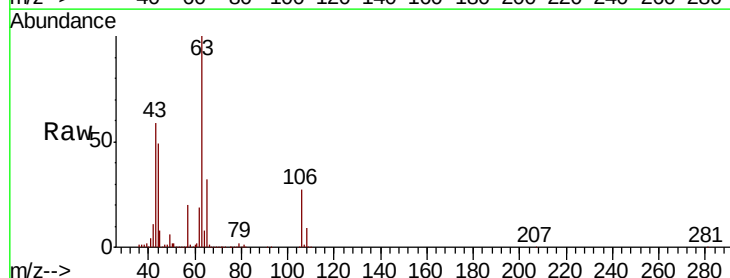
Acq: 20 Dec 2018 20:22

Tgt Ion: 63 Resp: 2057123

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053068.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN053068.D (-2370) (-)

9.70

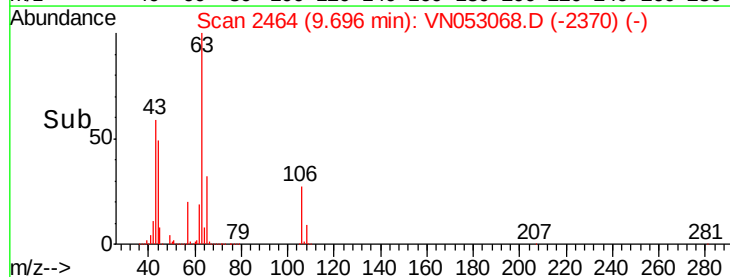
1000000

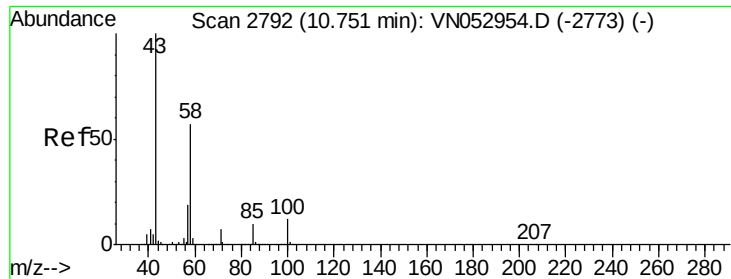
500000

0

Time-->

9.60 9.70 9.80

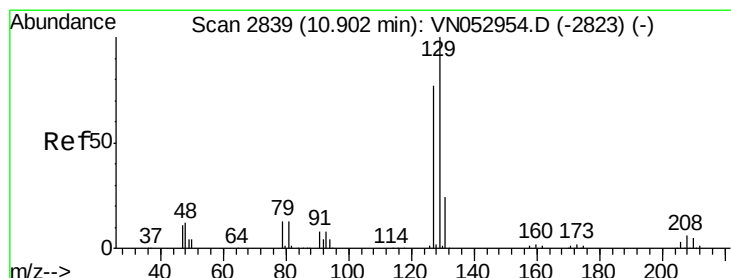
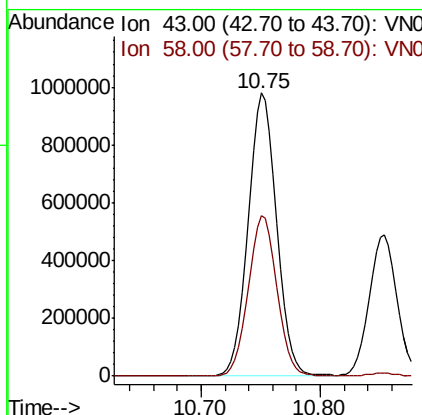
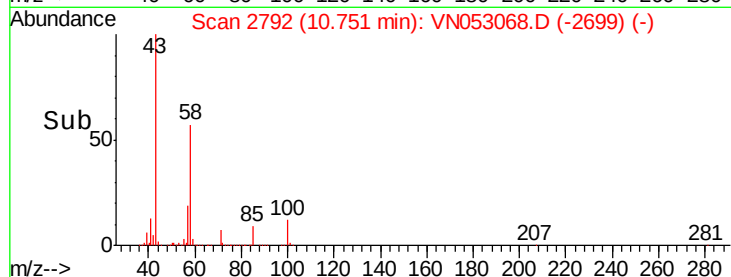
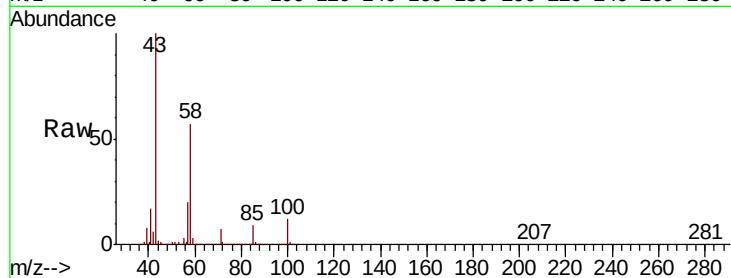




#59
2-Hexanone
Concen: 274.780 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

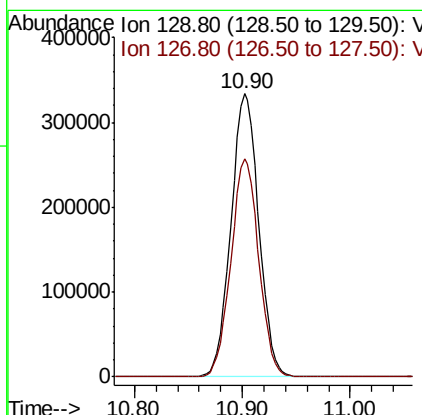
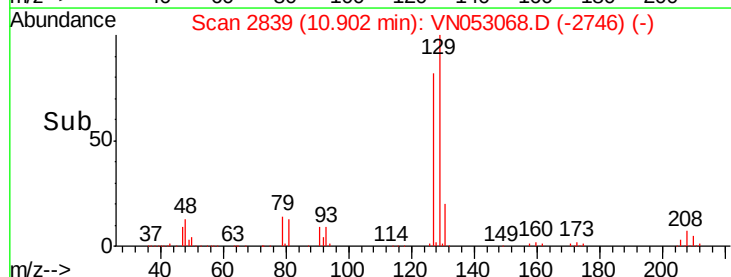
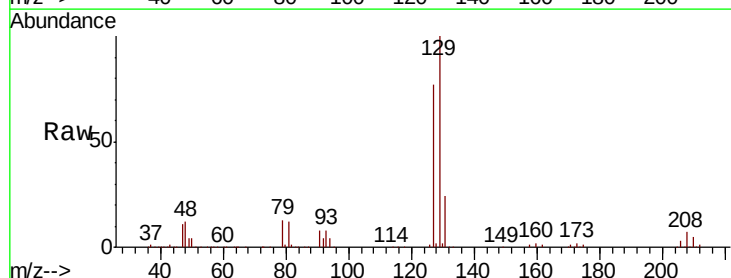
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

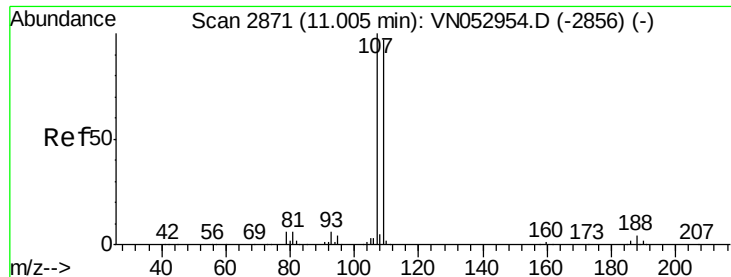
Tot Ion: 43 Resp: 1618489
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 50.600 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 129 Resp: 599910
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

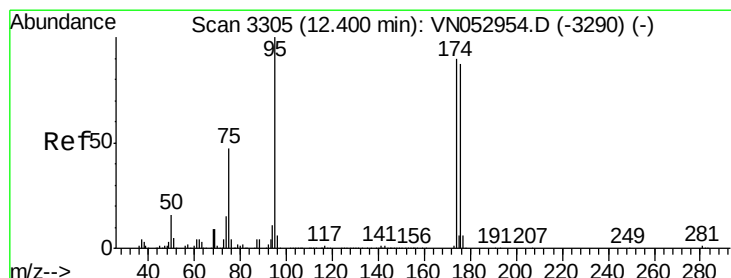
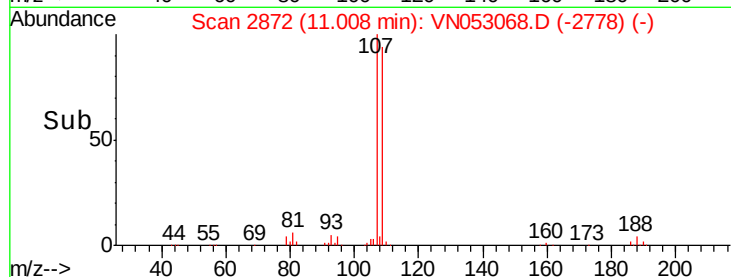
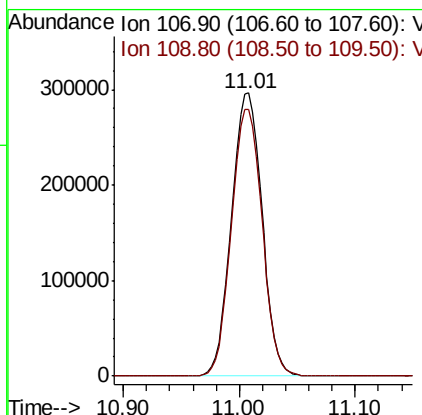
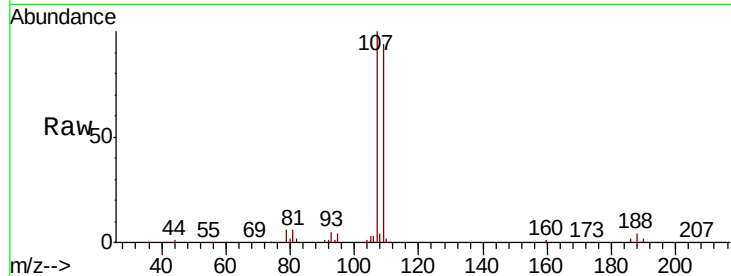




#61
 1,2-Dibromoethane
 Concen: 51.310 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

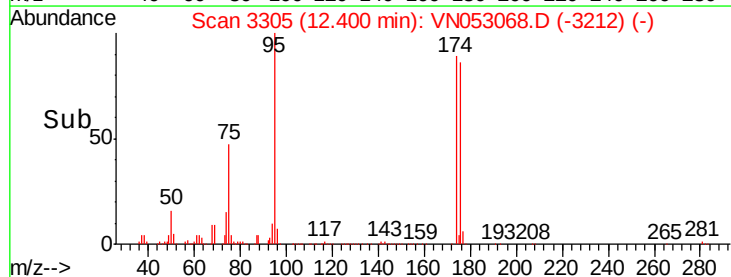
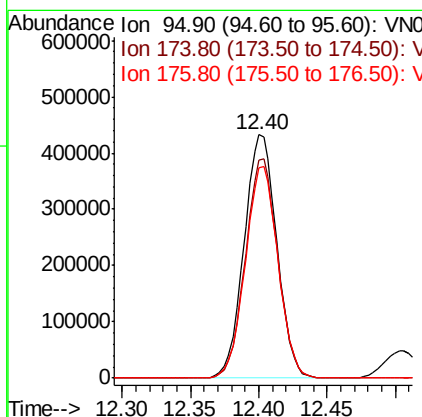
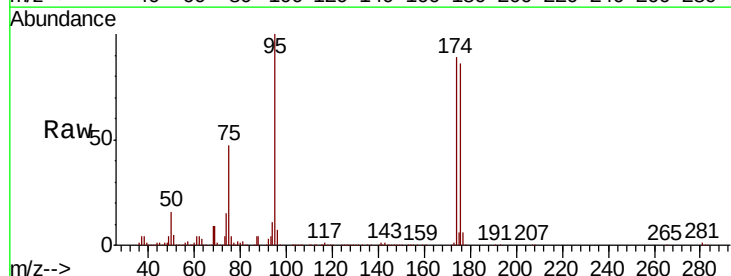
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

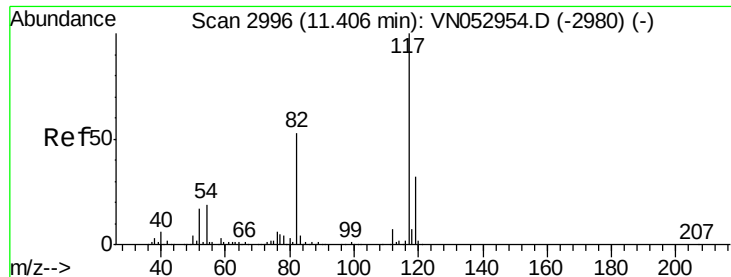
Tot Ion:107 Resp: 539734
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.310 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 95 Resp: 718201
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.8
 176 86.9 0.0 173.8

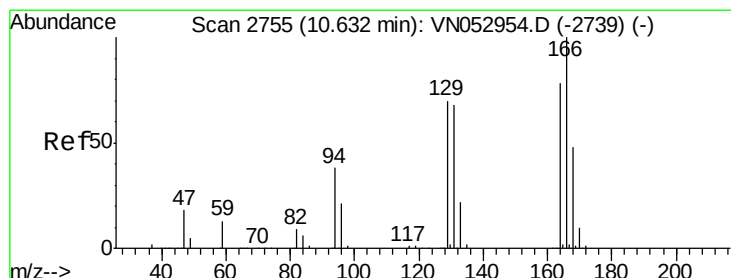
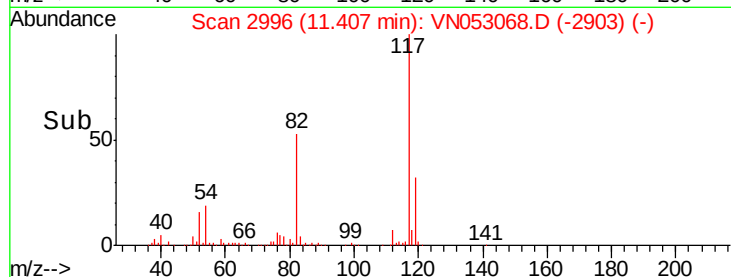
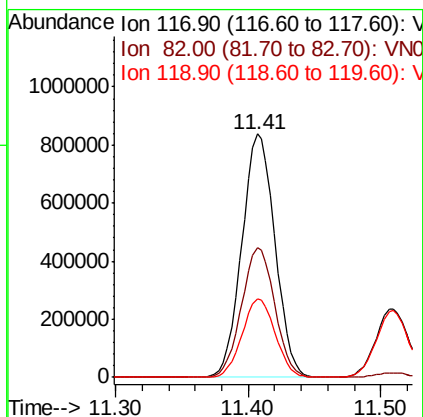
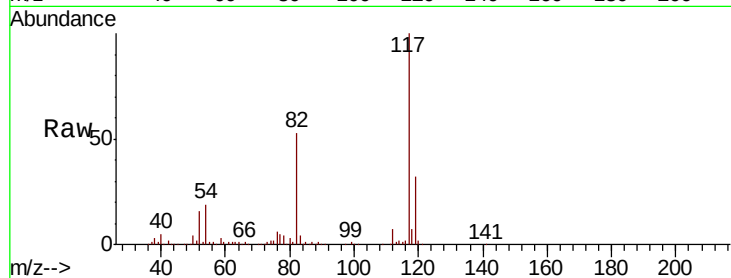




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

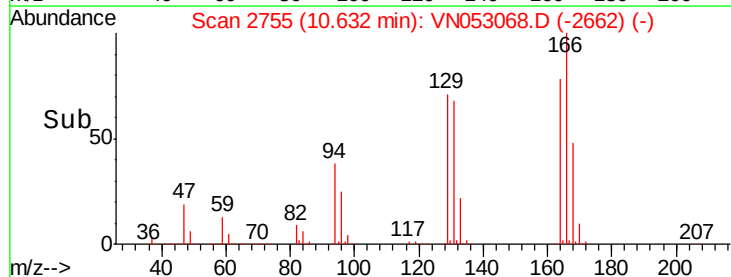
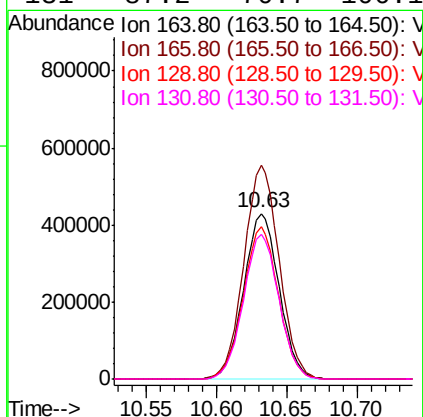
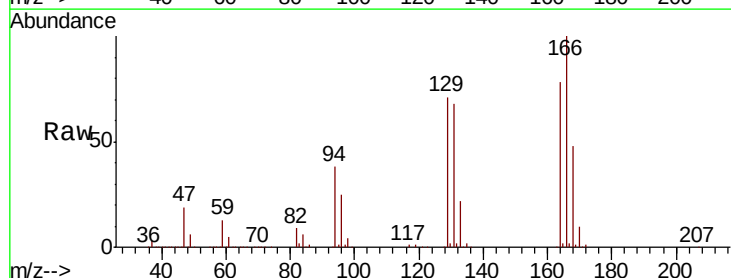
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

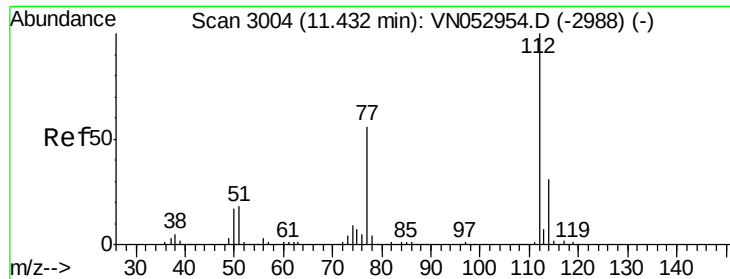
Tot Ion:117 Resp: 1450534
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 48.224 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:164 Resp: 757716
Ion Ratio Lower Upper
164 100
166 129.0 102.9 154.3
129 91.7 73.7 110.5
131 87.2 70.7 106.1

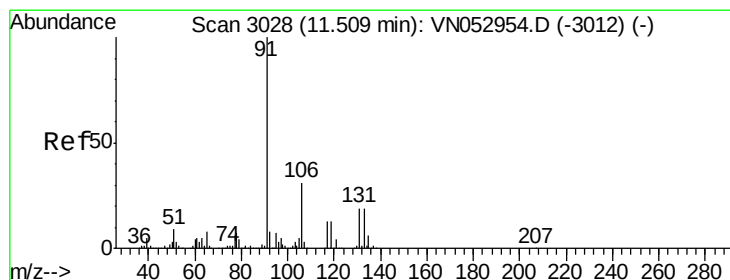
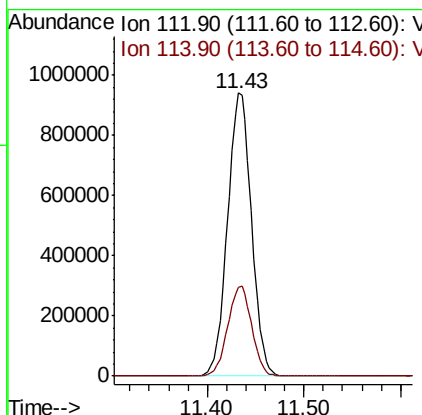
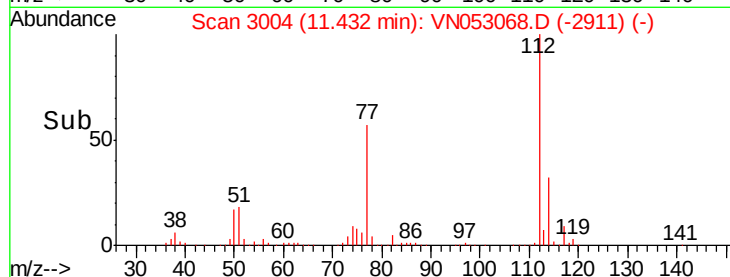
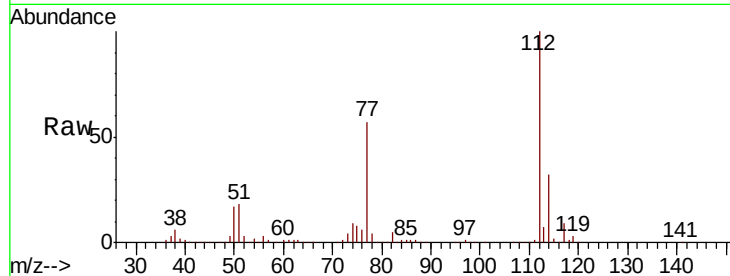




#65
Chlorobenzene
Concen: 50.151 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

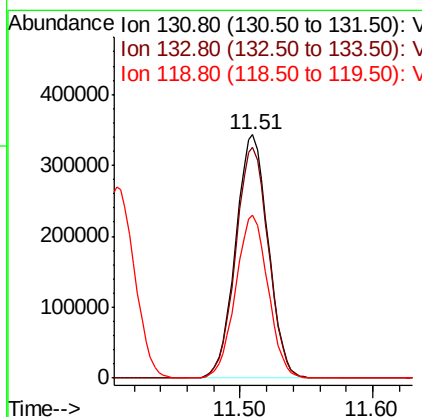
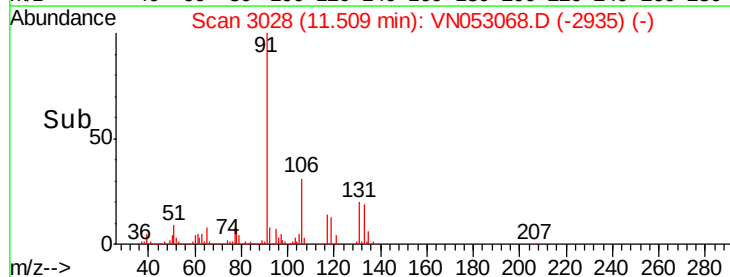
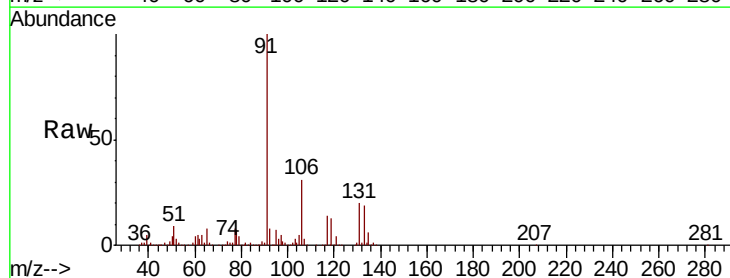
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

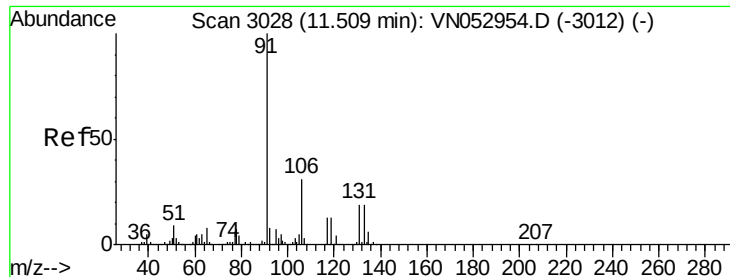
Tot Ion:112 Resp: 1612572
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.414 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:131 Resp: 586072
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.5 33.3 99.8





#67

Ethyl Benzene

Concen: 50.725 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

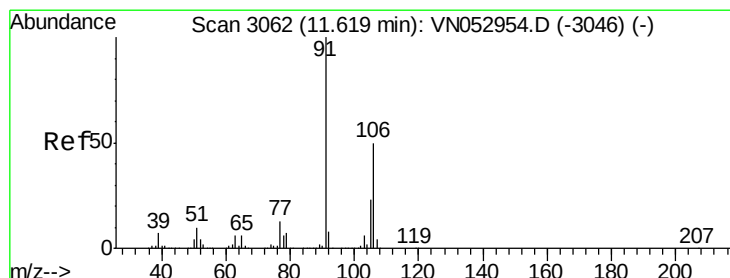
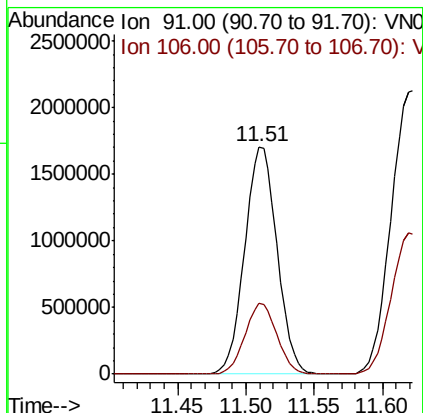
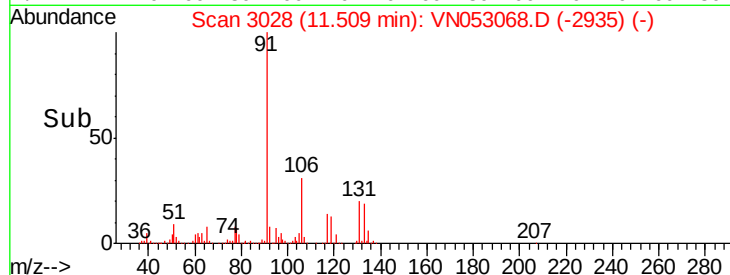
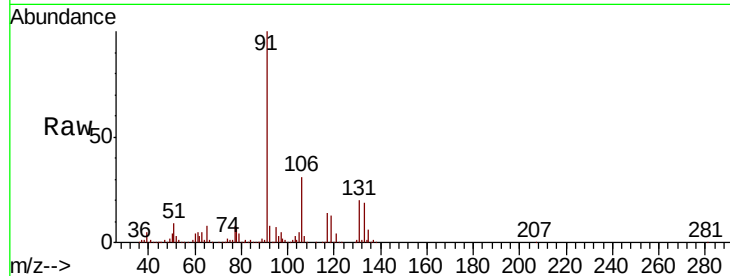
VSTDCCC050EC

Tot Ion: 91 Resp: 2804940

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3



#68

m/p-Xylenes

Concen: 99.115 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN053068.D

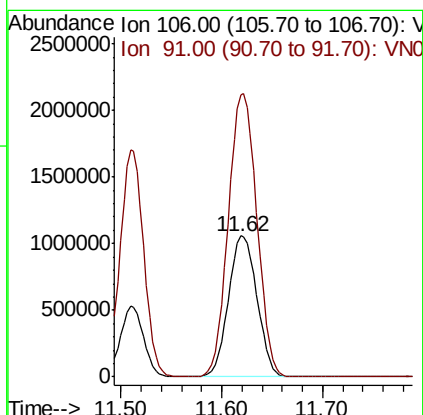
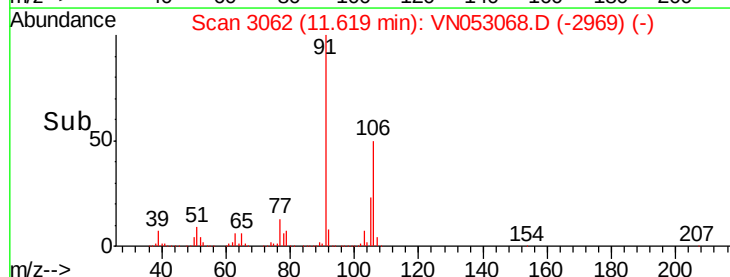
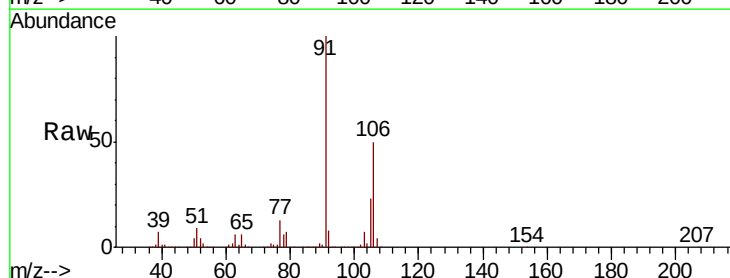
Acq: 20 Dec 2018 20:22

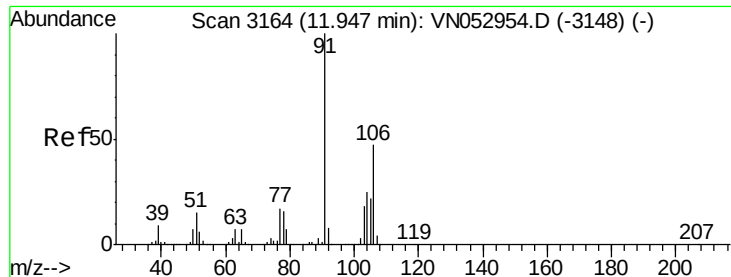
Tgt Ion: 106 Resp: 2083546

Ion Ratio Lower Upper

106 100

91 201.2 162.2 243.4

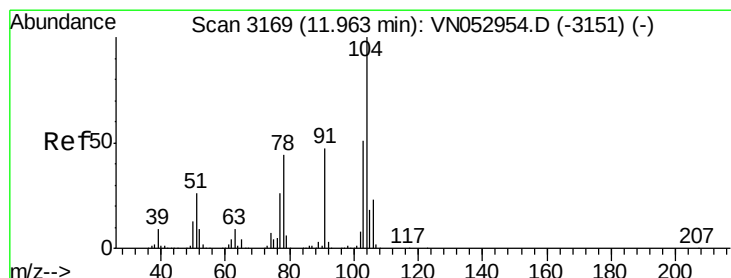
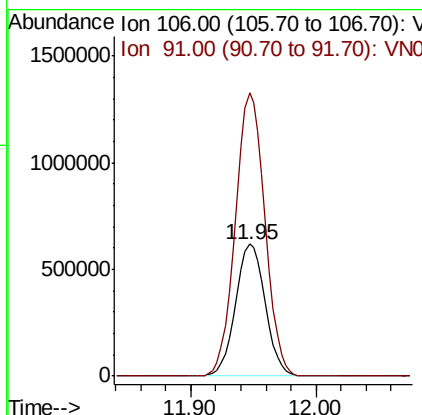
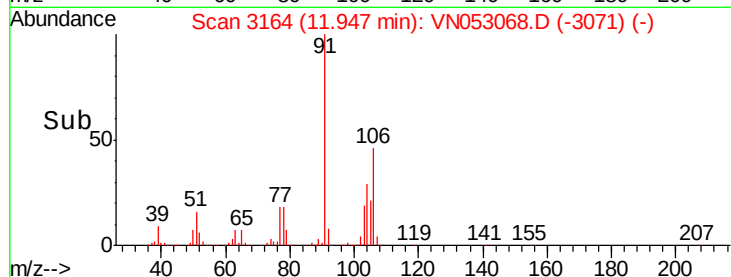
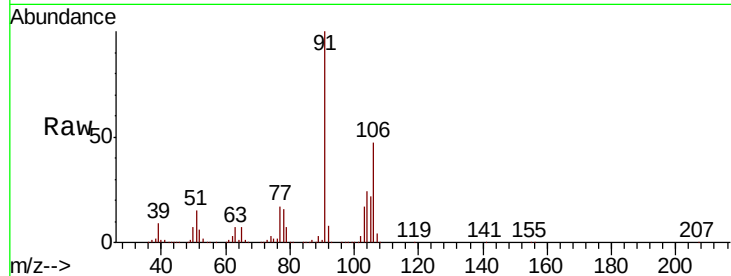




#69
o-Xylene
Concen: 50.350 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

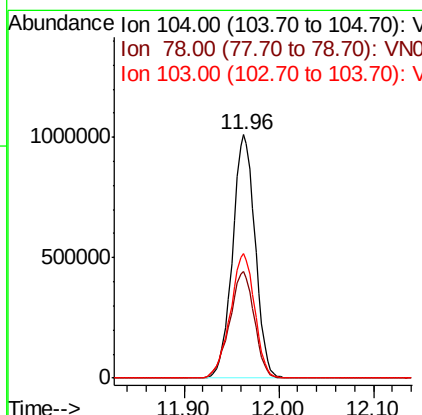
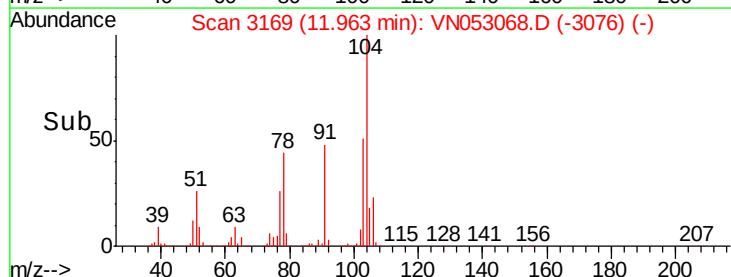
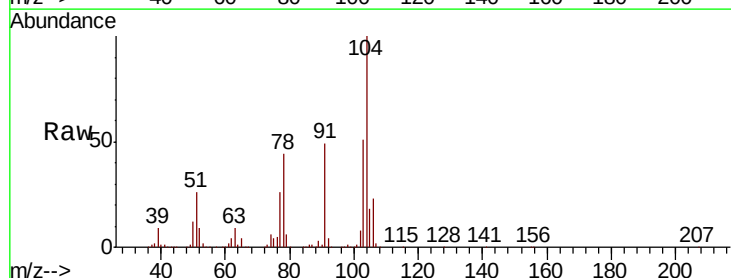
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

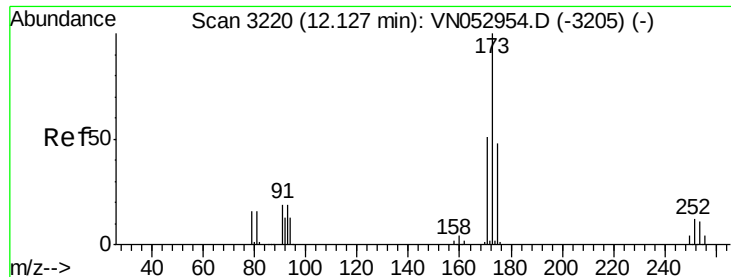
Tot Ion:106 Resp: 1015650
Ion Ratio Lower Upper
106 100
91 213.5 106.6 319.8



#70
Styrene
Concen: 50.857 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:104 Resp: 1672817
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.1 44.3 66.5





#71

Bromoform

Concen: 49.685 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

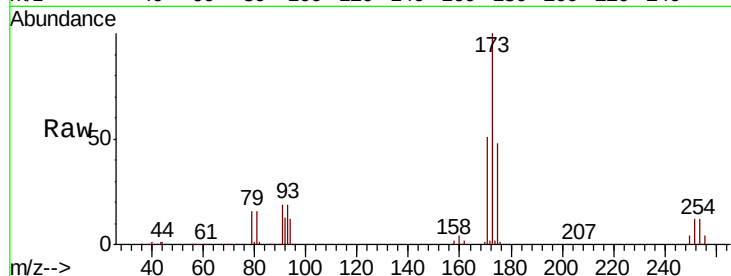
Tot Ion:173 Resp: 401344

Ion Ratio Lower Upper

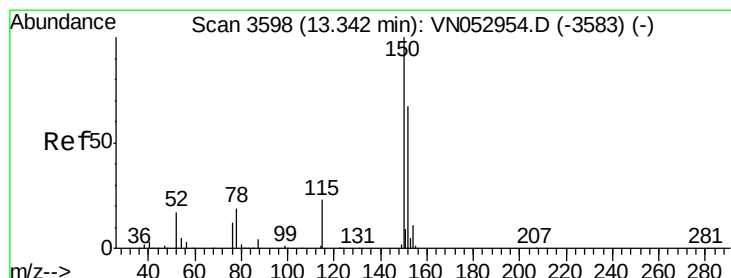
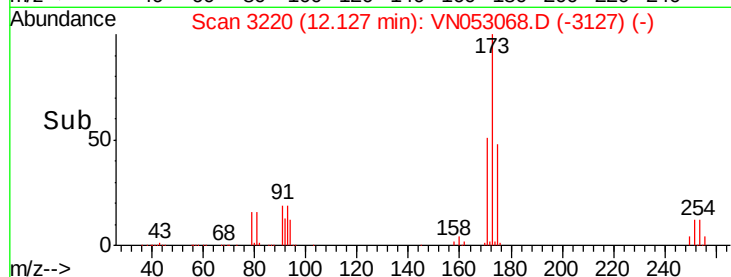
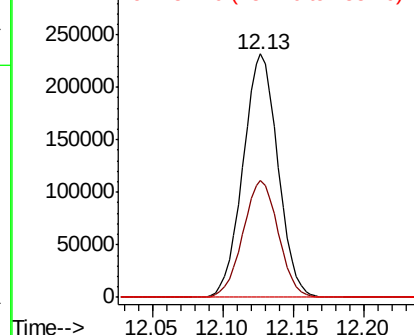
173 100

175 48.5 24.3 72.9

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

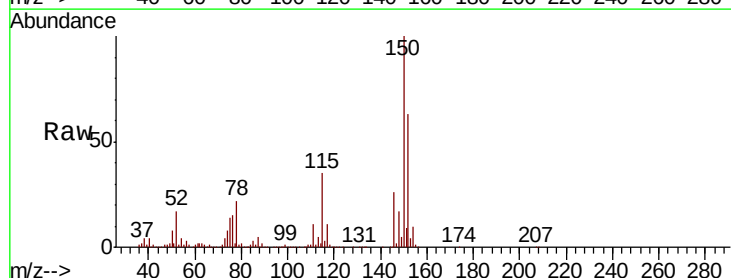
Tgt Ion:152 Resp: 638002

Ion Ratio Lower Upper

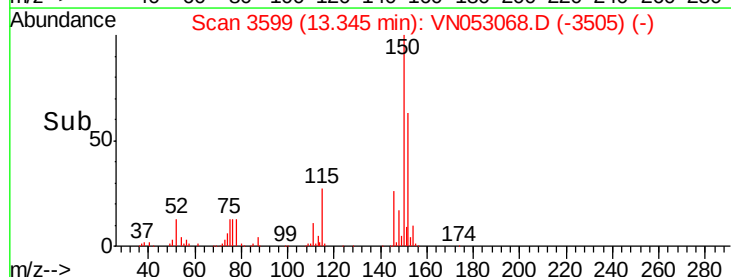
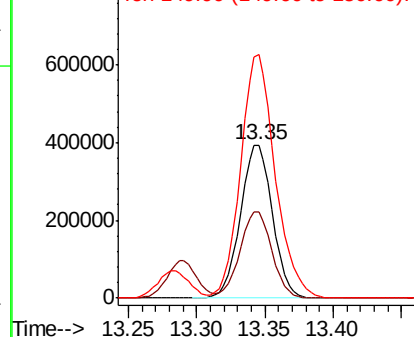
152 100

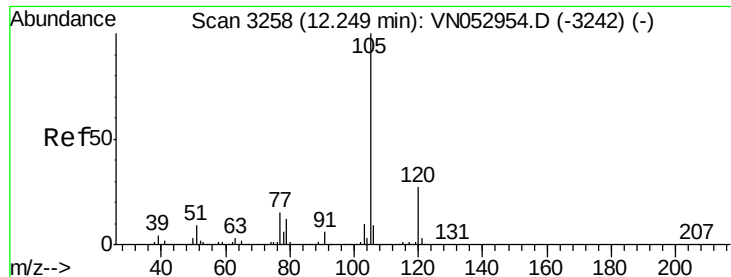
115 56.4 28.3 85.0

150 172.2 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.917 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

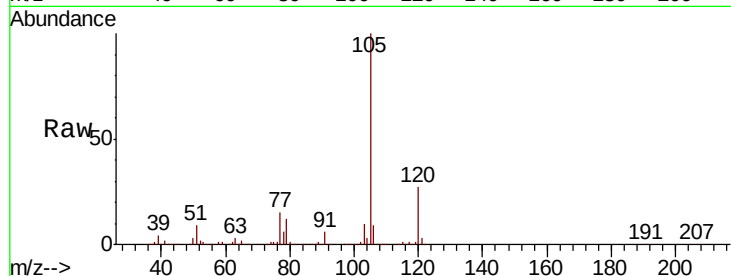
VSTDCCC050EC

Tot Ion:105 Resp: 2691434

Ion Ratio Lower Upper

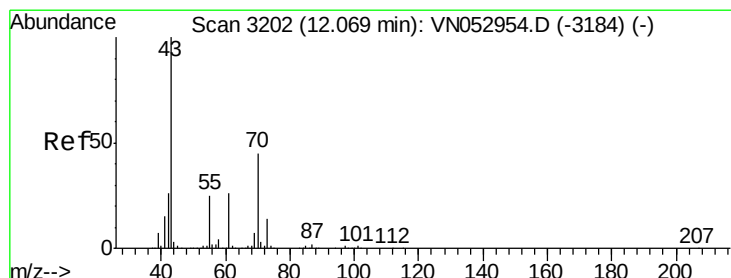
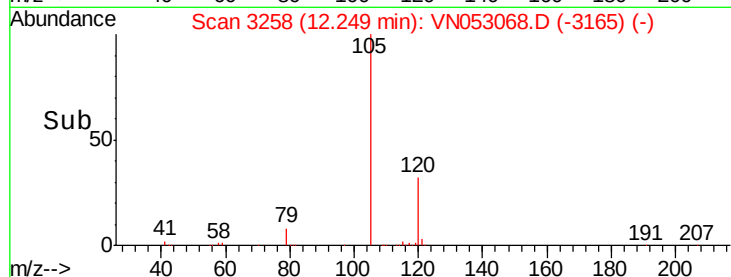
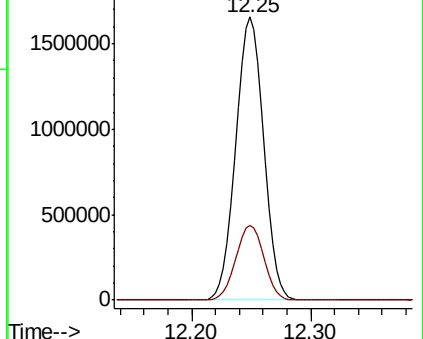
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.805 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 828844

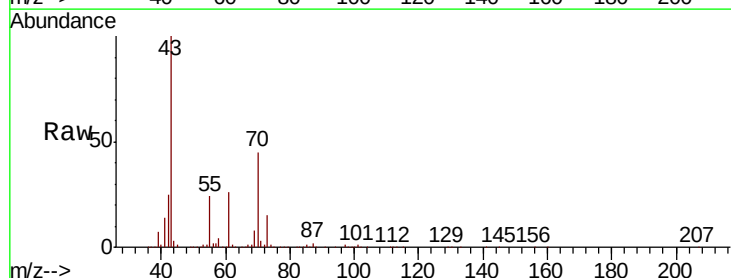
Ion Ratio Lower Upper

43 100

70 44.3 34.2 51.4

55 24.0 20.3 30.5

61 26.0 20.0 30.0

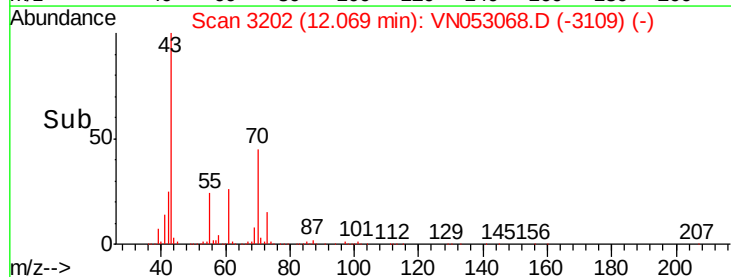
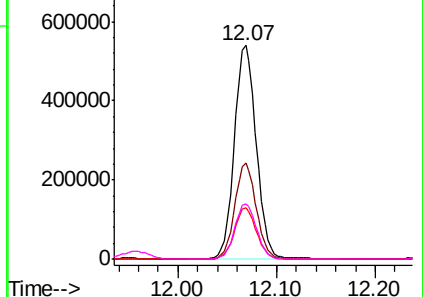


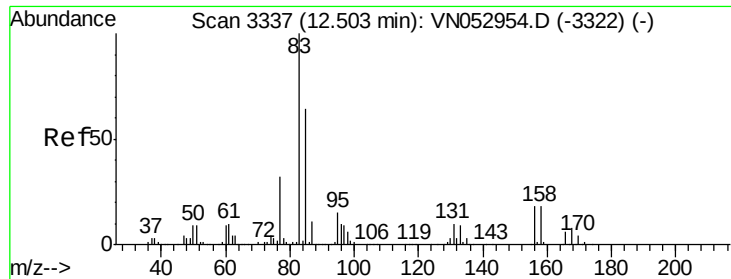
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 59.119 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

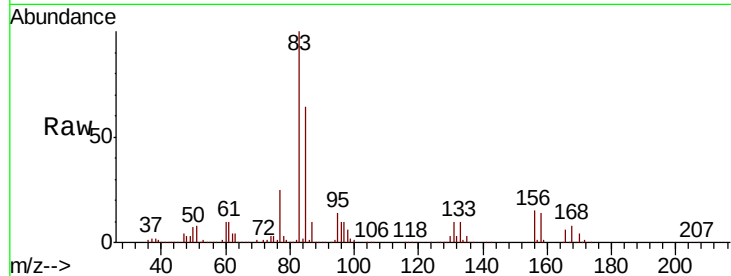
Tot Ion: 83 Resp: 578964

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

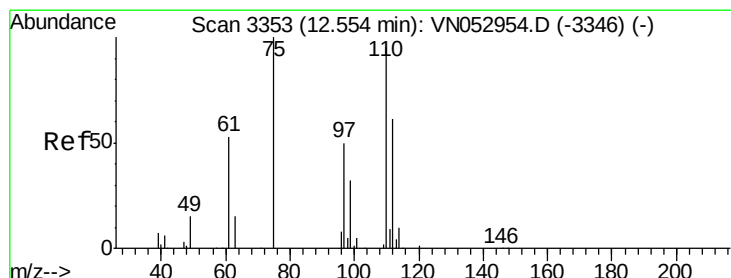
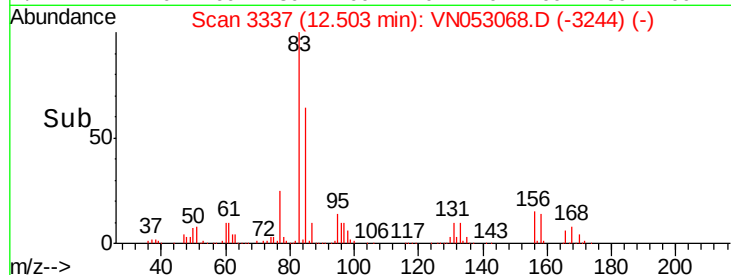
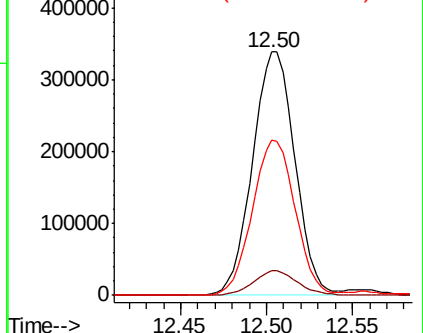
85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053068.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053068.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053068.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 73.456 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053068.D

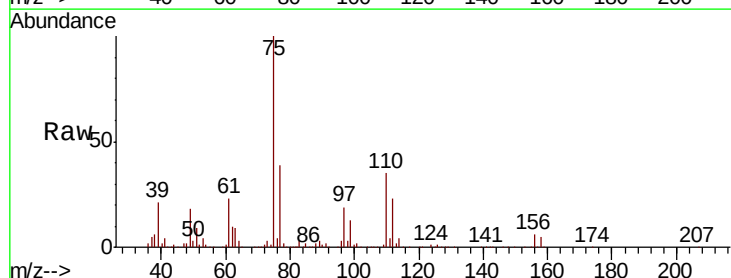
Acq: 20 Dec 2018 20:22

Tgt Ion: 75 Resp: 788922

Ion Ratio Lower Upper

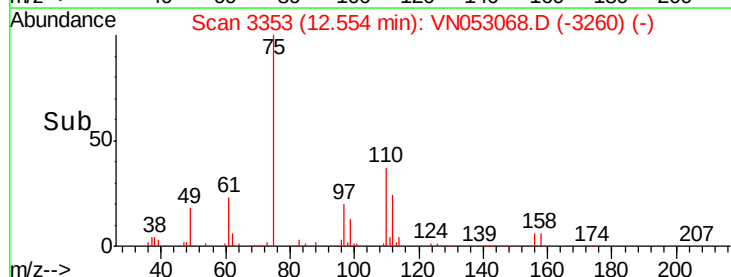
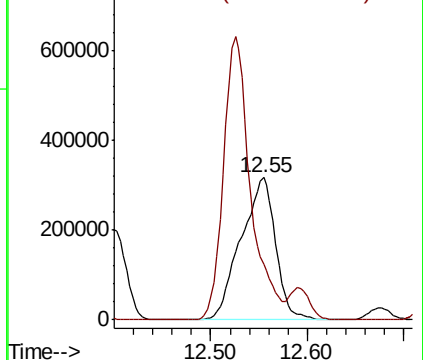
75 100

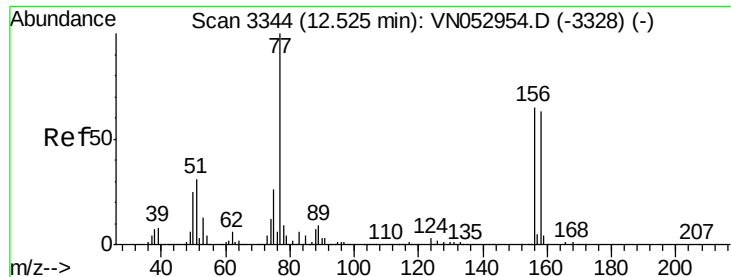
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053068.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053068.D (-3260) (-)





#77

Bromobenzene

Concen: 52.953 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

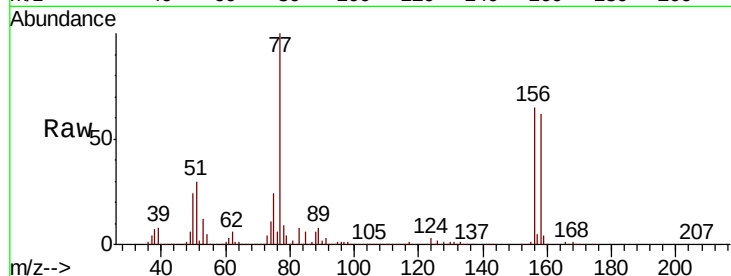
Tot Ion:156 Resp: 687111

Ion Ratio Lower Upper

156 100

77 178.2 91.3 273.8

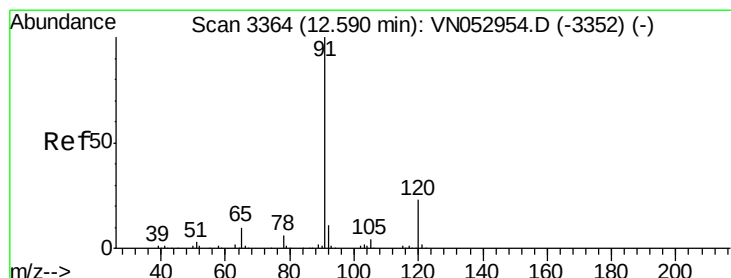
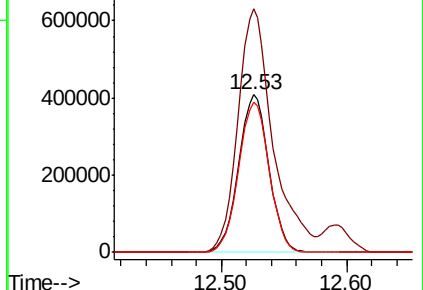
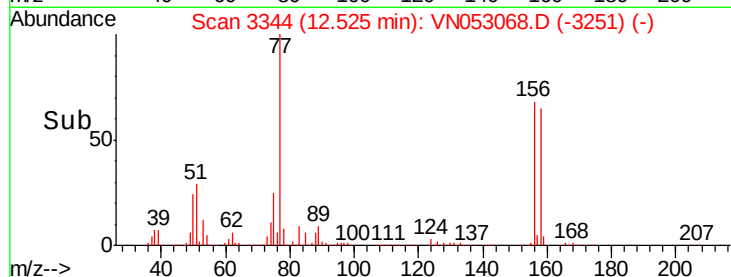
158 96.1 49.0 147.2



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: 52.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053068.D

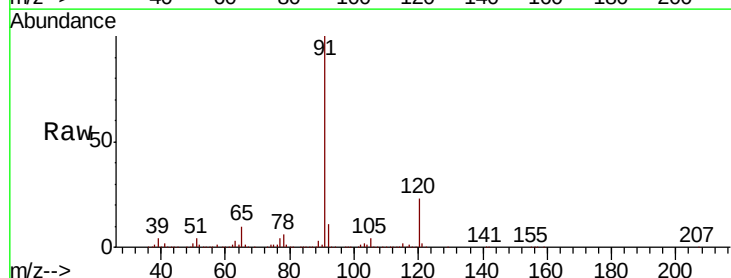
Acq: 20 Dec 2018 20:22

Tgt Ion: 91 Resp: 2980892

Ion Ratio Lower Upper

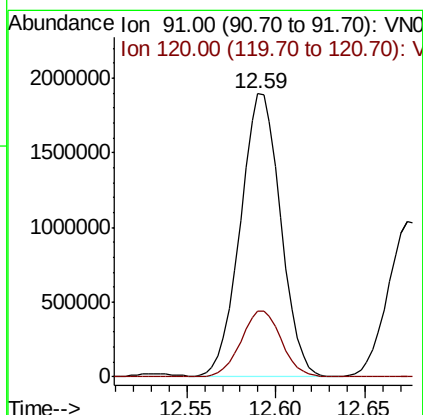
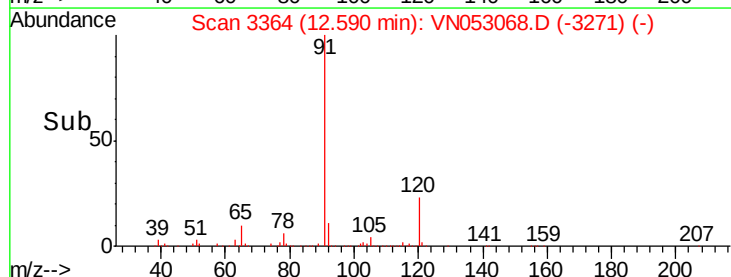
91 100

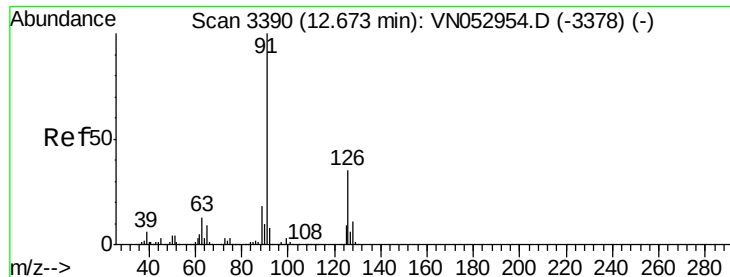
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.631 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

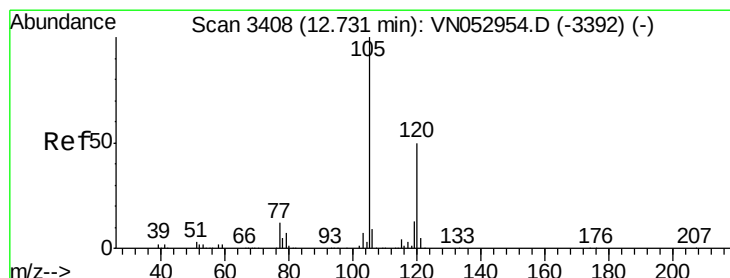
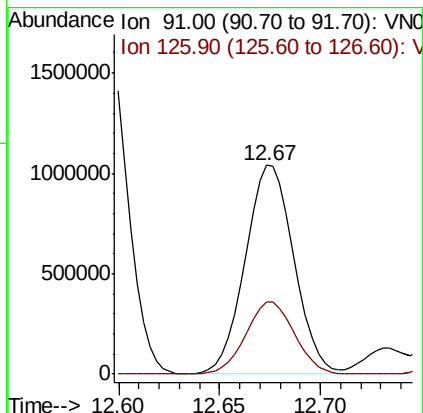
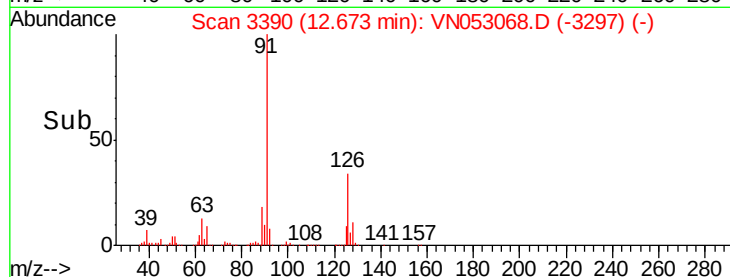
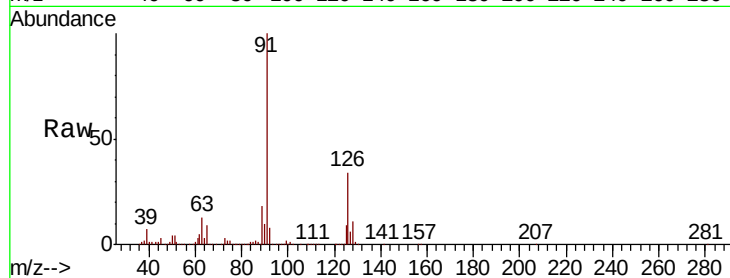
VSTDCCC050EC

Tot Ion: 91 Resp: 1748970

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 51.015 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053068.D

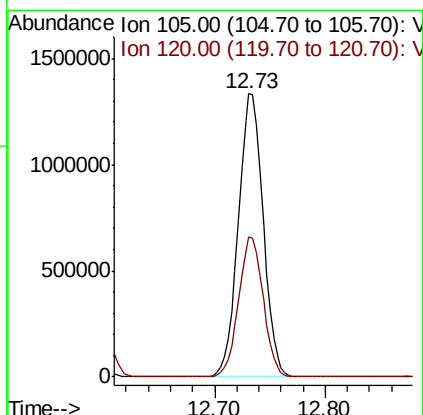
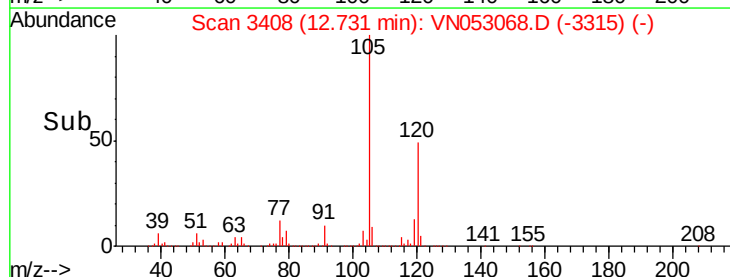
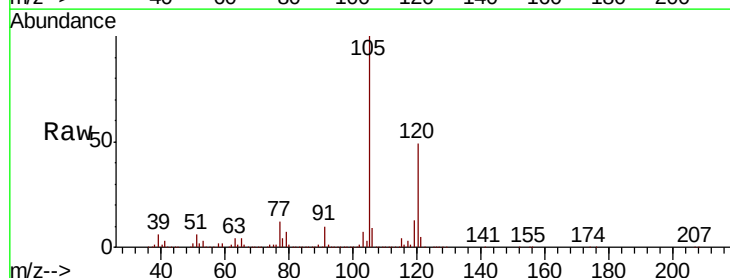
Acq: 20 Dec 2018 20:22

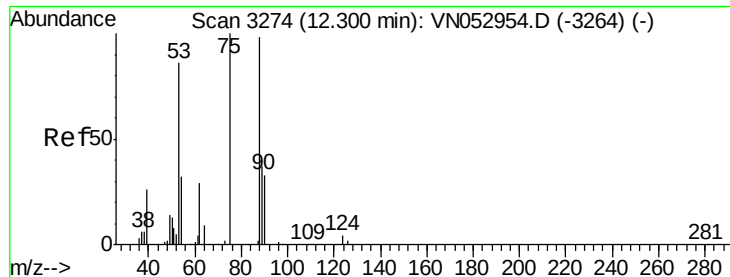
Tgt Ion:105 Resp: 2075688

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.404 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

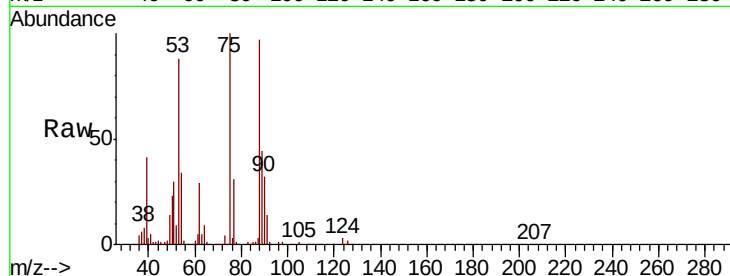
Tot Ion: 75 Resp: 181287

Ion Ratio Lower Upper

75 100

53 87.9 74.7 112.1

89 45.1 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052954.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052954.D (-3264) (-)

150000

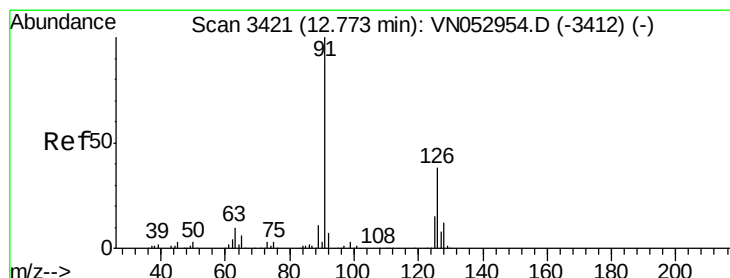
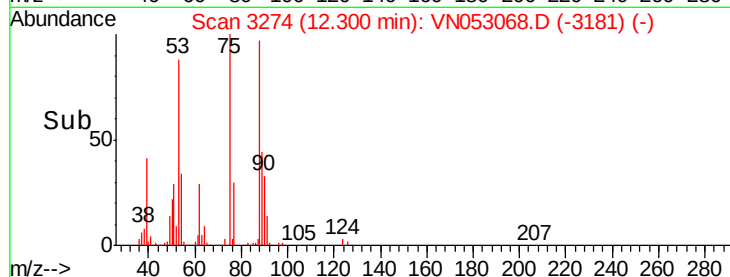
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 51.174 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053068.D

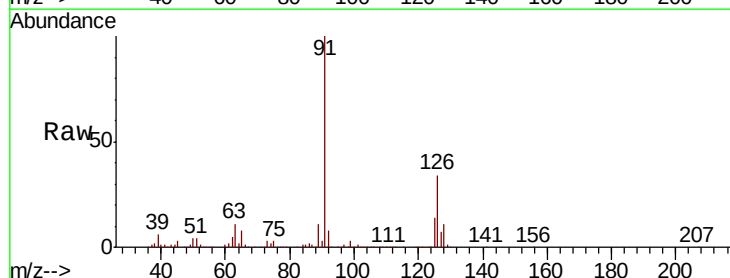
Acq: 20 Dec 2018 20:22

Tgt Ion: 91 Resp: 1765311

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3412) (-)

1200000

1000000

800000

600000

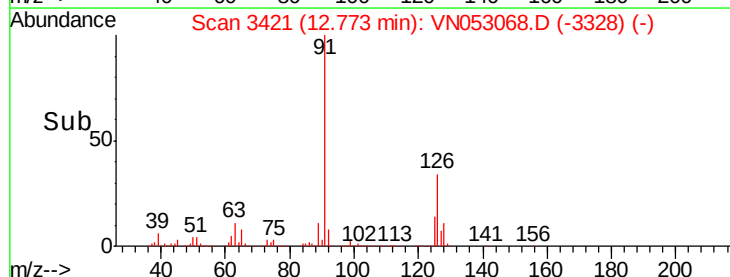
400000

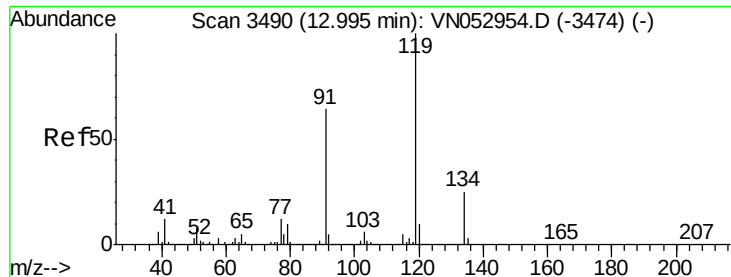
200000

0

12.75 12.80 12.85

Time-->

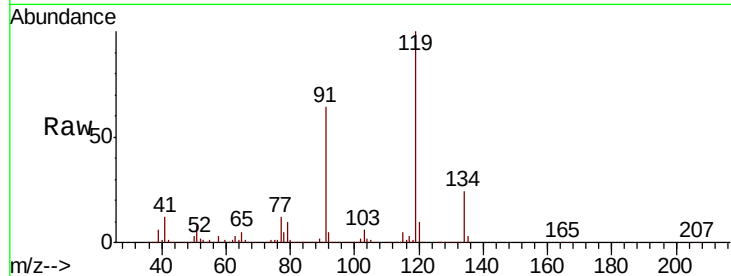




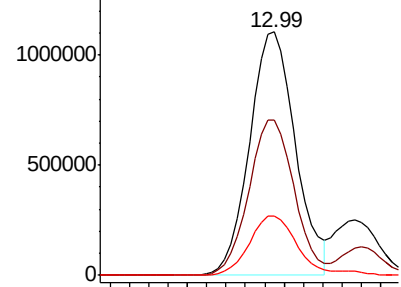
#83
 tert-Butylbenzene
 Concen: 50.690 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

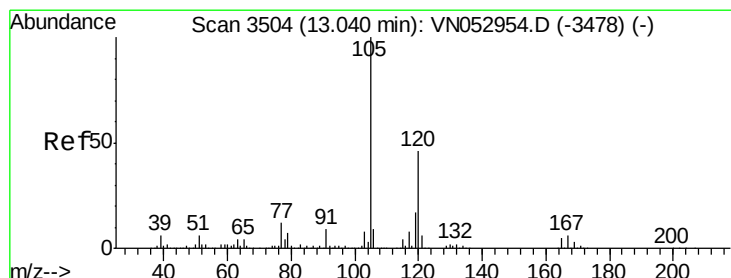
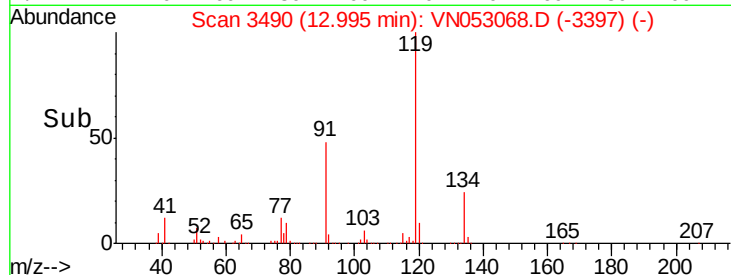
Tot Ion:119 Resp: 1824035
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 25.8 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V
 1500000 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

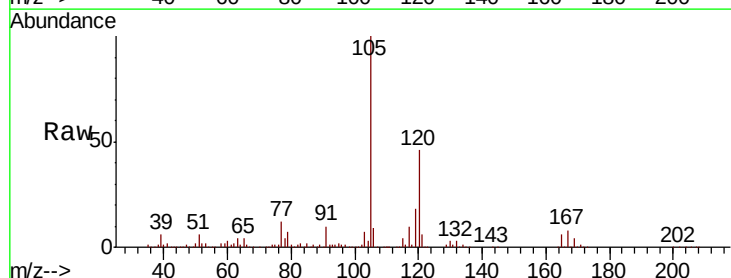


Time-->

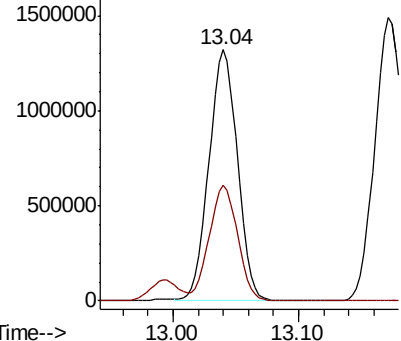


#84
 1,2,4-Trimethylbenzene
 Concen: 50.724 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

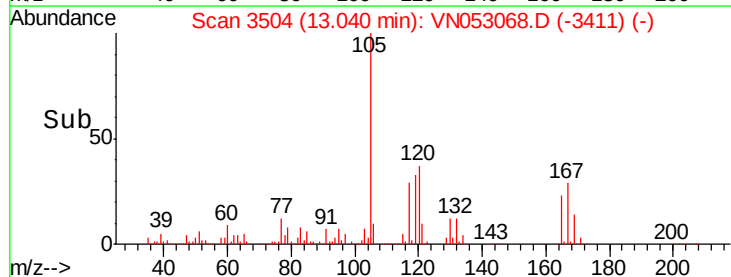
Tgt Ion:105 Resp: 2074729
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8

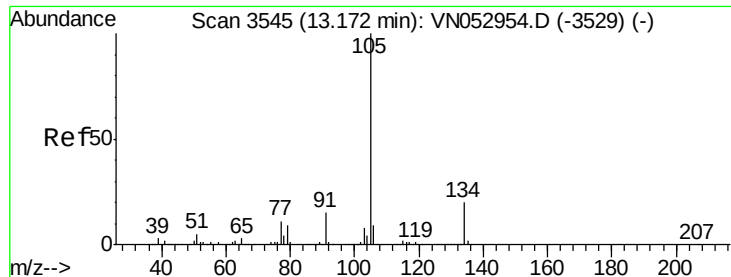


Abundance Ion 105.00 (104.70 to 105.70): V
 1500000 Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 49.440 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

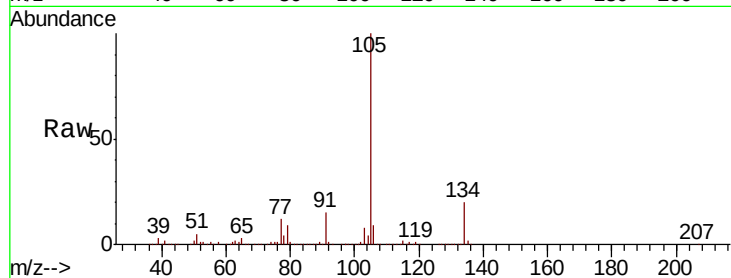
VSTDCCC050EC

Tot Ion:105 Resp: 2406364

Ion Ratio Lower Upper

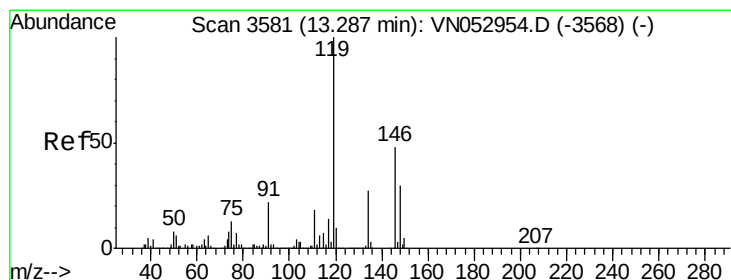
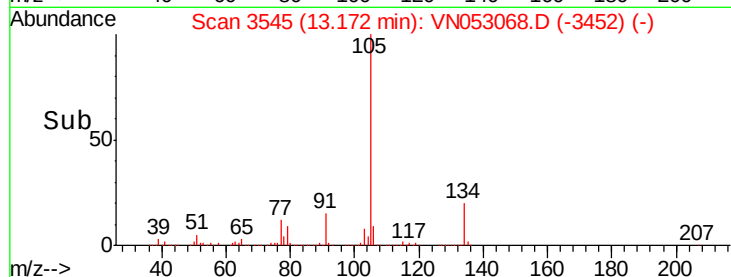
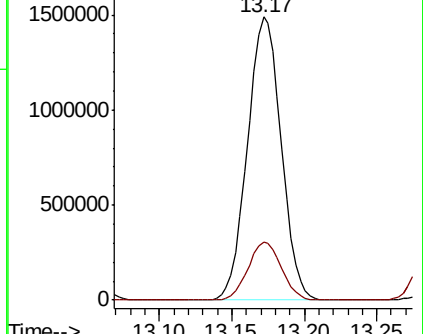
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.125 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

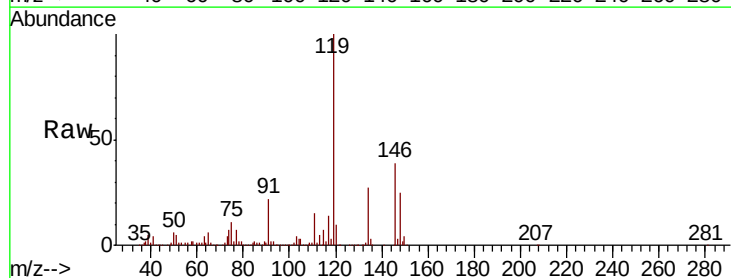
Tgt Ion:119 Resp: 2066046

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

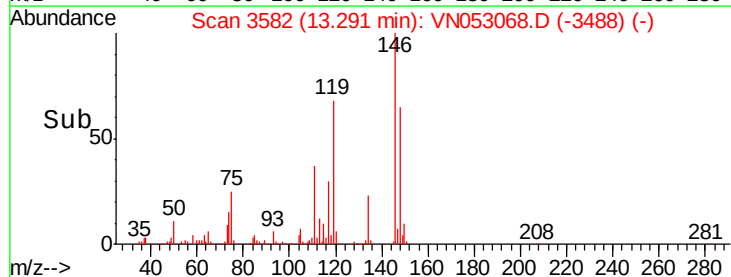
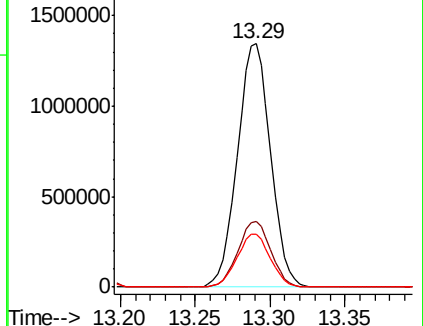
91 21.9 11.1 33.3

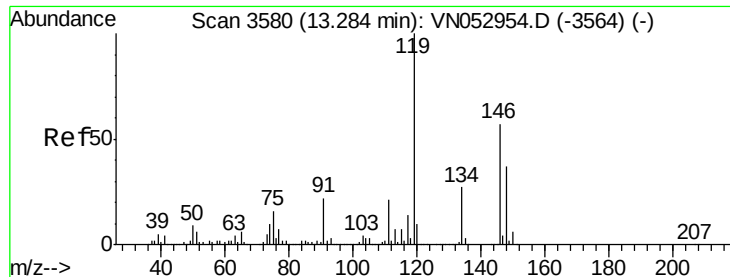


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

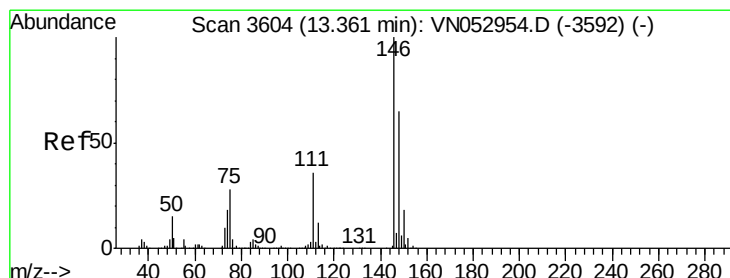
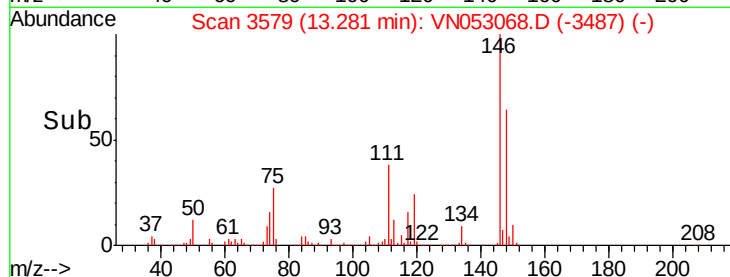
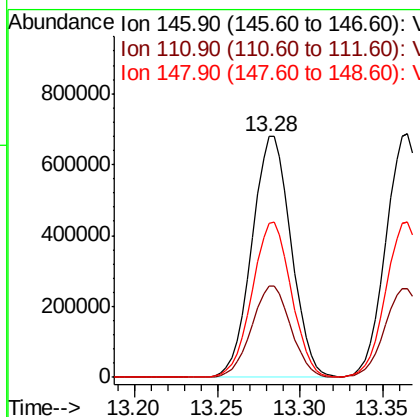
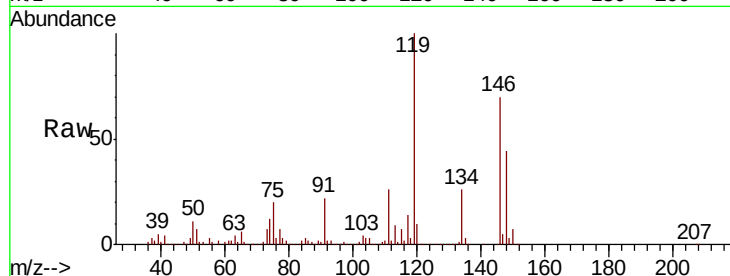




#87
 1,3-Dichlorobenzene
 Concen: 48.943 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

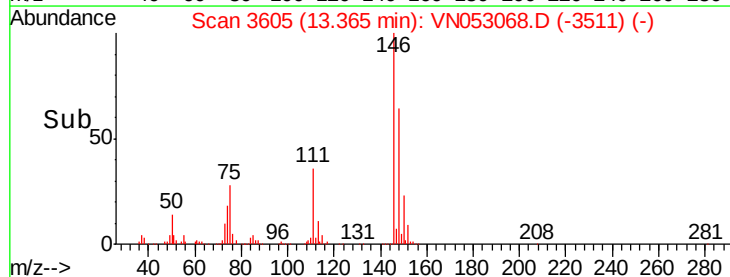
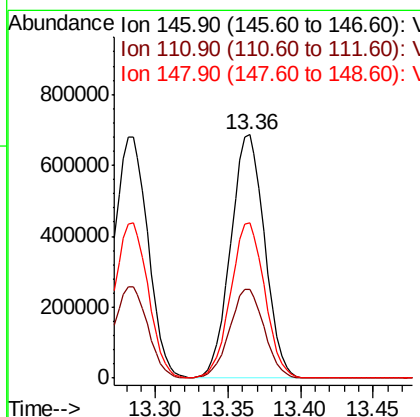
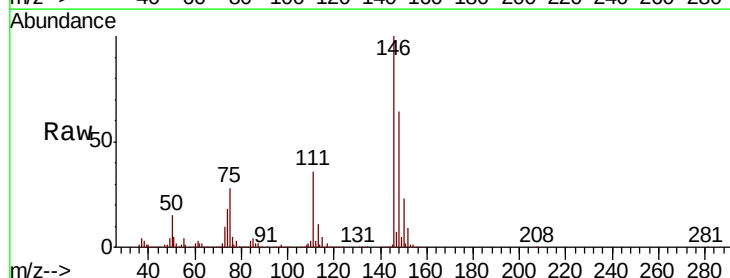
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

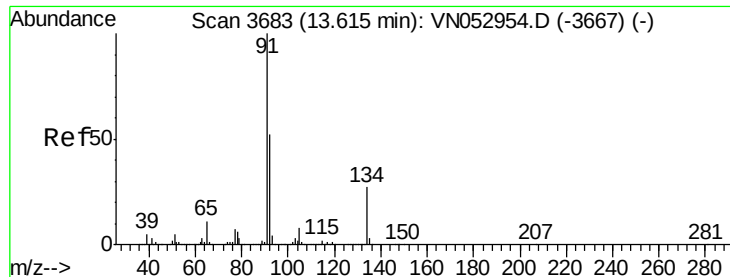
Tot Ion:146 Resp: 1124022
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.922 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion:146 Resp: 1114532
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 46.299 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

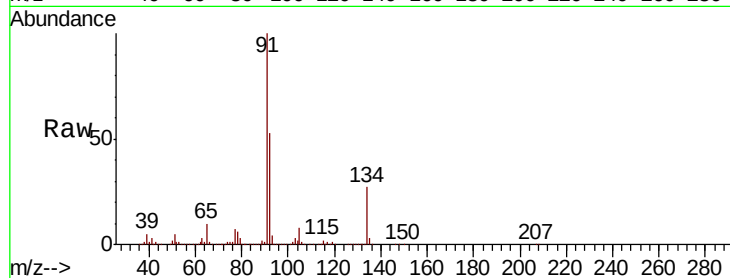
Tot Ion: 91 Resp: 1675210

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	27.0	13.3	39.8

91 100

92 52.8 26.3 78.9

134 27.0 13.3 39.8

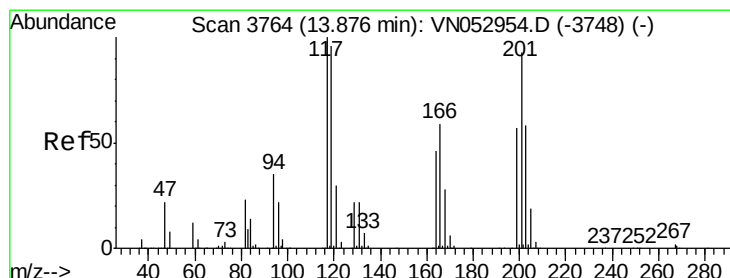
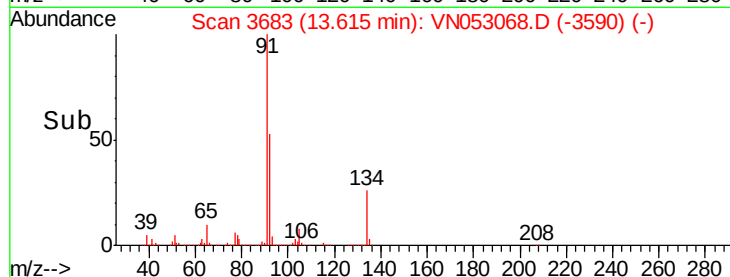
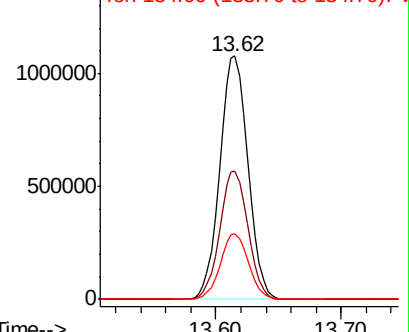


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 48.124 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053068.D

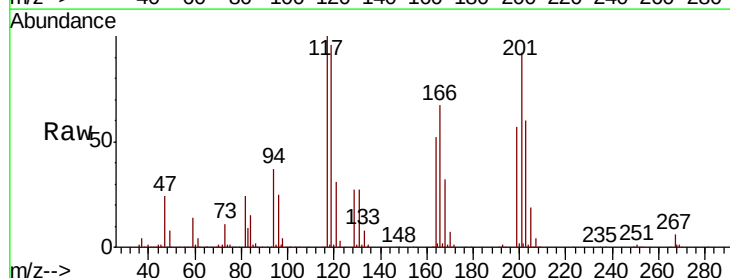
Acq: 20 Dec 2018 20:22

Tgt Ion: 117 Resp: 310592

Ion	Ratio	Lower	Upper
117	100		
201	93.4	45.7	137.1

117 100

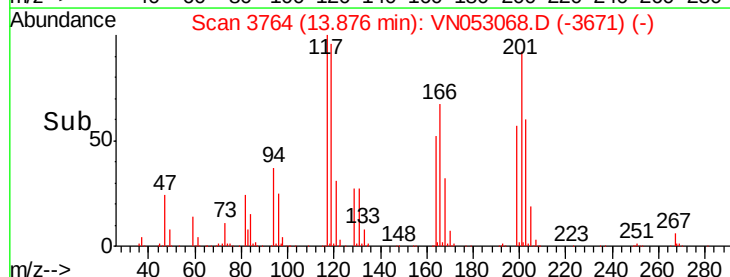
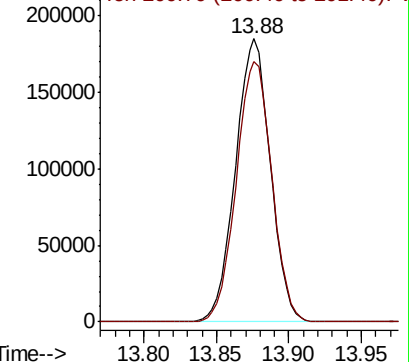
201 93.4 45.7 137.1

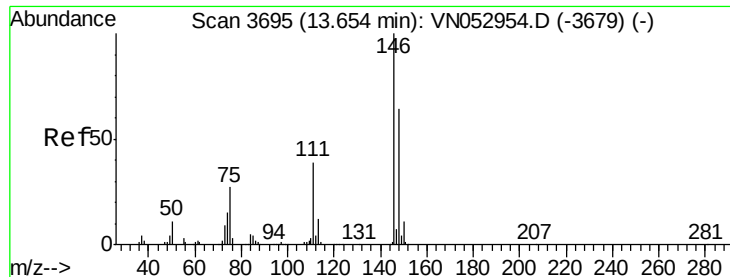


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

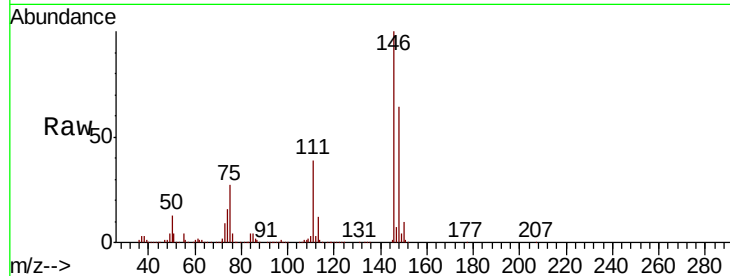




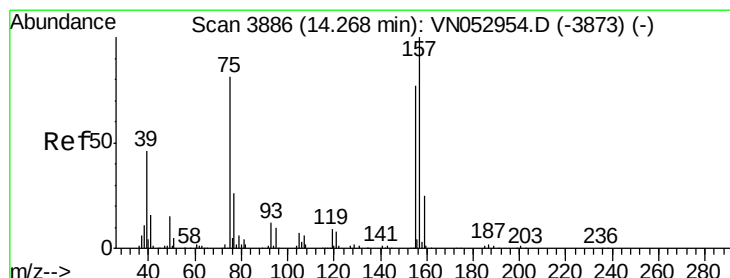
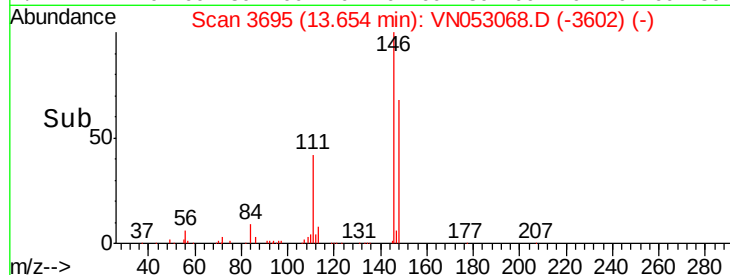
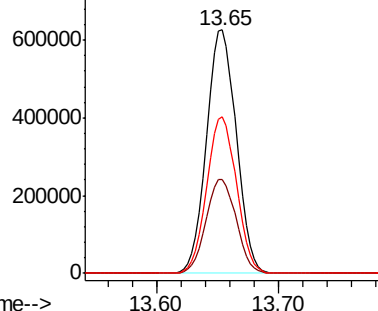
#91
 1,2-Dichlorobenzene
 Concen: 48.855 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1055954
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 64.3 32.0 96.0

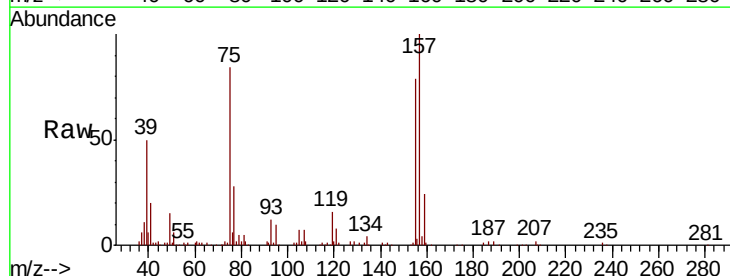


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

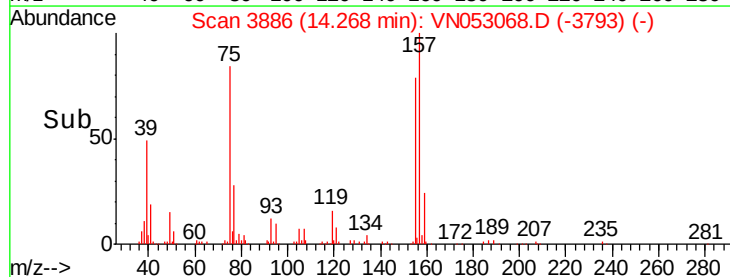
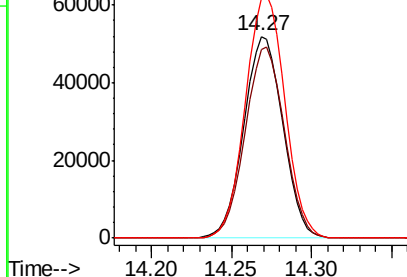


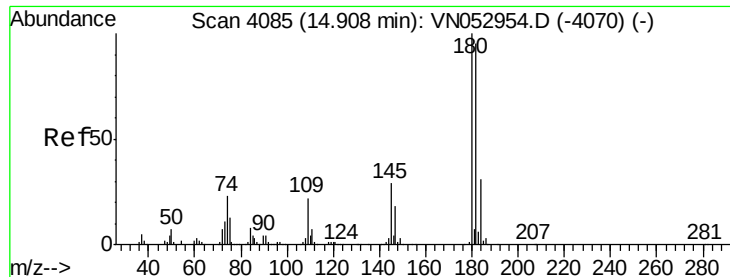
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.026 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion: 75 Resp: 86402
 Ion Ratio Lower Upper
 75 100
 155 95.3 48.2 144.6
 157 121.8 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

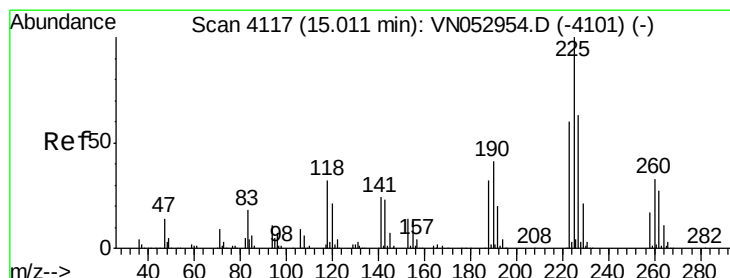
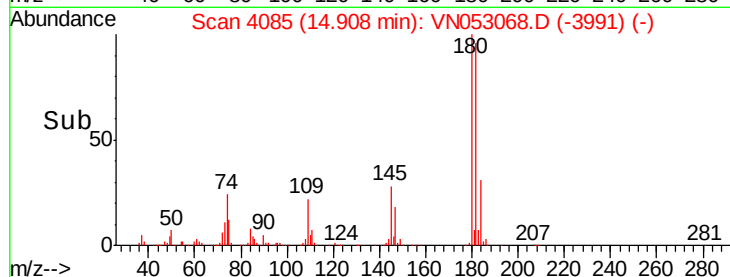
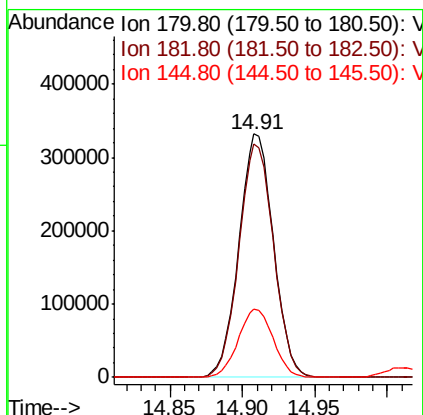
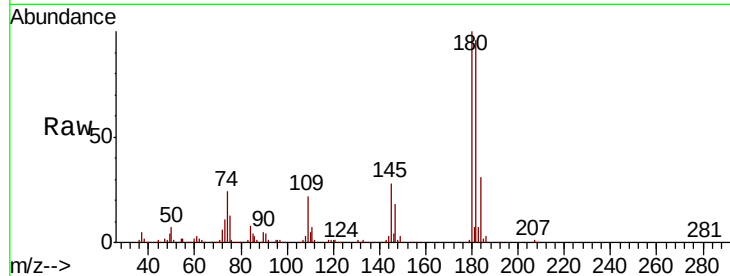




#93
 1,2,4-Trichlorobenzene
 Concen: 47.942 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

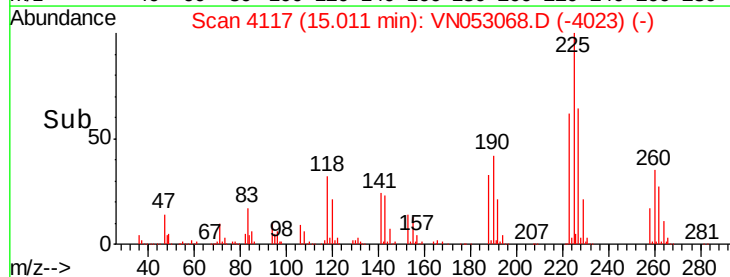
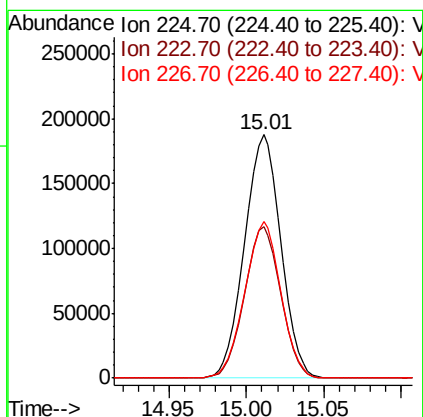
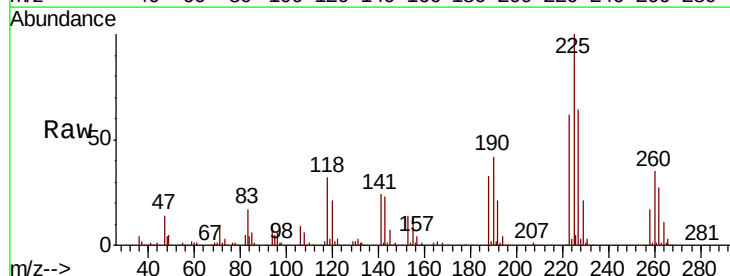
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

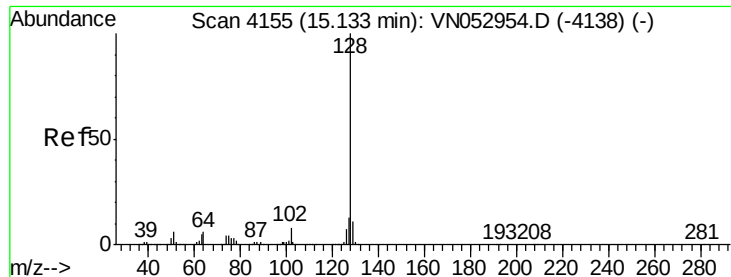
Tot Ion:180 Resp: 548708
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.3
 145 28.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 52.014 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion:225 Resp: 307714
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 63.5 31.9 95.7





#95

Naphthalene

Concen: 49.357 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

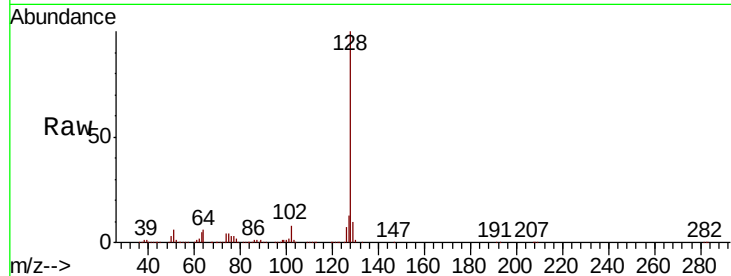
Tot Ion:128 Resp: 1237733

Ion Ratio Lower Upper

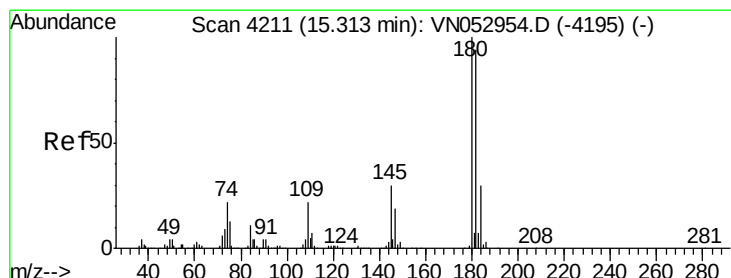
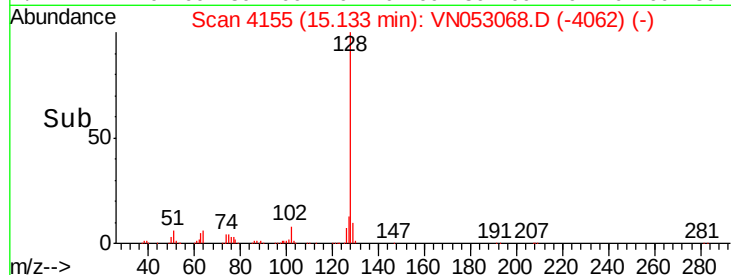
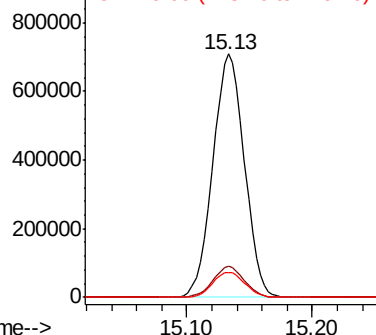
128 100

127 12.6 10.2 15.4

129 10.6 8.6 13.0



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: 48.739 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

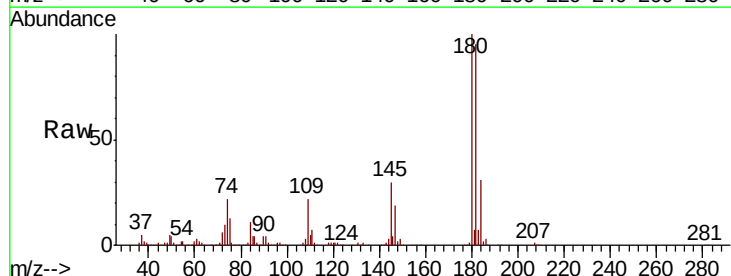
Tgt Ion:180 Resp: 502457

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.1 15.0 45.0



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

