

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053146.D
 Acq On : 22 Dec 2018 21:12
 Operator : MD\SY
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 23 23:09:33 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	1008110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1560295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1413552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	641651	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	542314	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	437299	61.35	ug/l	0.00
Spiked Amount			Recovery	=	122.70%	
50) Toluene-d8	10.09	98	1956374	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	698839	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	491350	48.158	ug/l	99
3) Chloromethane	2.06	50	615578	49.789	ug/l	100
4) Vinyl Chloride	2.19	62	623844	49.822	ug/l	99
5) Bromomethane	2.57	94	408171	47.050	ug/l	100
6) Chloroethane	2.71	64	379840	51.220	ug/l	98
7) Trichlorofluoromethane	3.02	101	786998	50.453	ug/l	99
8) Diethyl Ether	3.41	74	321237	54.589	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	502939	50.569	ug/l	99
10) Methyl Iodide	3.96	142	704707	50.456	ug/l	99
11) Tert butyl alcohol	4.78	59	177252	283.958	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	487472	50.733	ug/l	99
13) Acrolein	3.61	56	238109	420.684	ug/l	100
14) Allyl chloride	4.33	41	824841	55.420	ug/l	94
15) Acrylonitrile	4.99	53	977590	281.901	ug/l	100
16) Acetone	3.82	43	617946	308.070	ug/l	96
17) Carbon Disulfide	4.06	76	1320641	42.145	ug/l	99
18) Methyl Acetate	4.32	43	533129	58.390	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1425176	55.425	ug/l	99
20) Methylene Chloride	4.55	84	572864	52.356	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	521215	50.488	ug/l	99
22) Diisopropyl ether	5.95	45	1784807	56.181	ug/l	96
23) Vinyl Acetate	5.90	43	5080437	278.105	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1010126	53.508	ug/l	99
25) 2-Butanone	6.83	43	1027860	305.336	ug/l	99
26) 2,2-Dichloropropane	6.83	77	640657	44.457	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	621483	53.175	ug/l	98
28) Bromochloromethane	7.19	49	448634	54.844	ug/l	98
29) Tetrahydrofuran	7.21	42	718848	285.915	ug/l	99
30) Chloroform	7.37	83	979101	52.797	ug/l	99
31) Cyclohexane	7.65	56	910634	51.464	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	814064	51.530	ug/l	99
36) 1,1-Dichloropropene	7.79	75	755632	50.456	ug/l	100
37) Ethyl Acetate	6.93	43	474010	56.697	ug/l	99
38) Carbon Tetrachloride	7.78	117	686541	50.014	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	859351	47.235	ug/l	99
40) Benzene	8.04	78	2326022	52.216	ug/l	99
41) Methacrylonitrile	7.18	41	286394	59.288	ug/l	92
42) 1,2-Dichloroethane	8.12	62	687361	52.232	ug/l	98
43) Isopropyl Acetate	8.16	43	880518	54.518	ug/l	98
44) Trichloroethene	8.84	130	629086	48.825	ug/l	98
45) 1,2-Dichloropropane	9.12	63	621466	53.561	ug/l	100
46) Dibromomethane	9.21	93	352137	52.097	ug/l	98
47) Bromodichloromethane	9.40	83	740066	51.508	ug/l	99
48) Methyl methacrylate	9.20	41	447856	55.204	ug/l	99
49) 1,4-Dioxane	9.20	88	111419	1085.722	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2371649	292.926	ug/l	100
52) Toluene	10.16	92	1455244	52.705	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	750944	49.703	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	882582	50.893	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	517435	53.717	ug/l	99
56) Ethyl methacrylate	10.43	69	710266	55.709	ug/l	98
57) 1,3-Dichloropropane	10.71	76	891195	53.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1918893	274.146	ug/l	99
59) 2-Hexanone	10.75	43	1597440	291.616	ug/l	99
60) Dibromochloromethane	10.90	129	564349	51.183	ug/l	100
61) 1,2-Dibromoethane	11.01	107	518421	52.992	ug/l	100
64) Tetrachloroethene	10.63	164	711622	46.475	ug/l	99
65) Chlorobenzene	11.43	112	1617307	51.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559172	51.317	ug/l	100
67) Ethyl Benzene	11.51	91	2796976	51.904	ug/l	100
68) m/p-Xylenes	11.62	106	2103861	102.700	ug/l	99
69) o-Xylene	11.95	106	1037598	52.784	ug/l	100
70) Styrene	11.96	104	1702861	53.125	ug/l	100
71) Bromoform	12.13	173	386714	49.127	ug/l #	100
73) Isopropylbenzene	12.25	105	2722574	54.231	ug/l	100
74) N-amyl acetate	12.07	43	806617	57.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	596572	60.571	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	790575	73.191	ug/l #	100
77) Bromobenzene	12.53	156	708685	54.305	ug/l	98
78) n-propylbenzene	12.59	91	3032816	53.042	ug/l	100
79) 2-Chlorotoluene	12.67	91	1813032	51.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2117423	51.745	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	166217	49.598	ug/l	99
82) 4-Chlorotoluene	12.77	91	1836994	52.949	ug/l	100
83) tert-Butylbenzene	12.99	119	1869586	51.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2159891	52.506	ug/l	100
85) sec-Butylbenzene	13.17	105	2439250	49.831	ug/l	99
86) p-Isopropyltoluene	13.29	119	2092213	49.464	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1167808	50.561	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1146281	49.007	ug/l	100
89) n-Butylbenzene	13.62	91	1687281	46.368	ug/l	100
90) Hexachloroethane	13.88	117	320705	49.408	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1087258	50.017	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	80546	47.297	ug/l	97

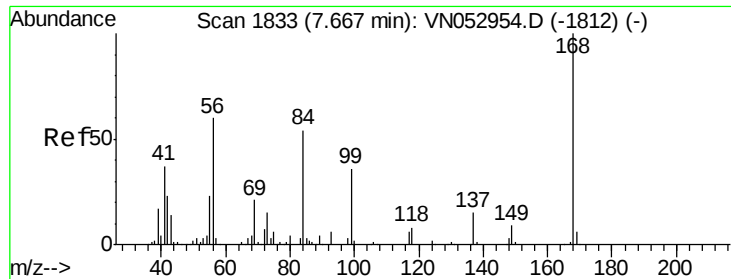
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	508021	44.182	ug/l	100
94) Hexachlorobutadiene	15.01	225	299031	50.156	ug/l	99
95) Naphthalene	15.13	128	1160701	46.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	462939	44.693	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

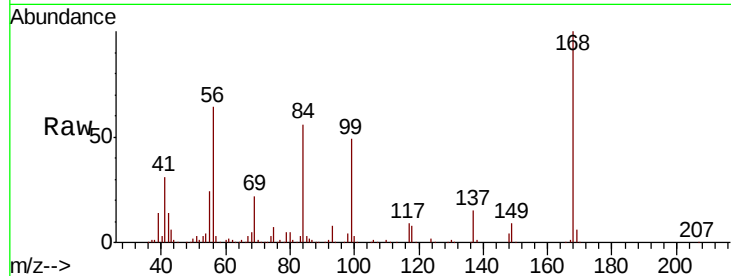
VSTDCCC050EC

Tot Ion:168 Resp: 1008110

Ion Ratio Lower Upper

168 100

99 48.9 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

400000

300000

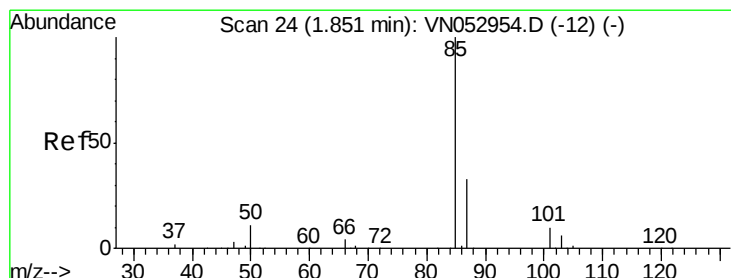
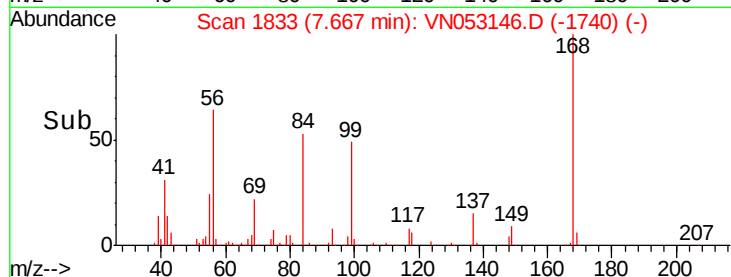
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.158 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053146.D

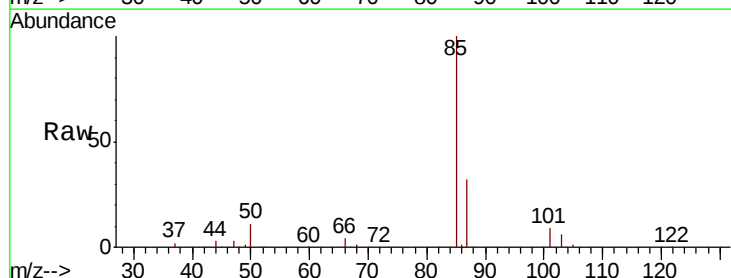
Acq: 22 Dec 2018 21:12

Tgt Ion: 85 Resp: 491350

Ion Ratio Lower Upper

85 100

87 32.1 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

300000

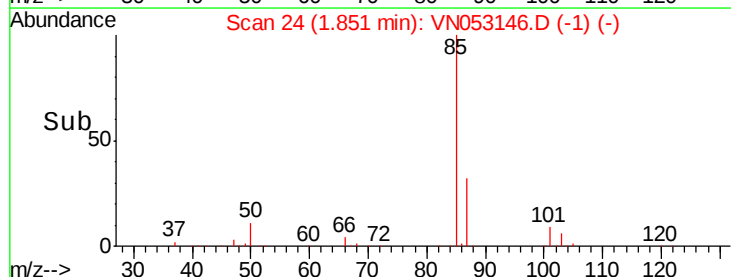
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100000

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1.80 1.85 1.90 1.95

Time-->

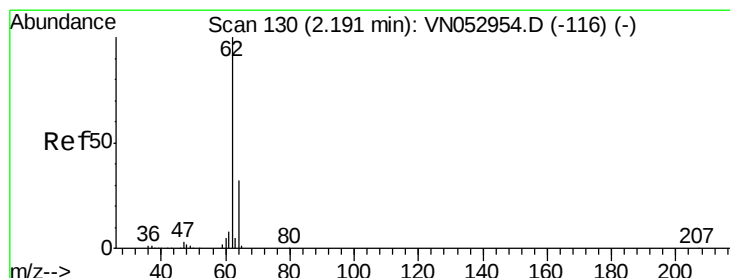
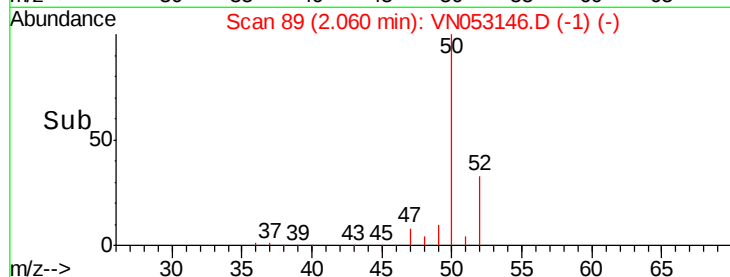
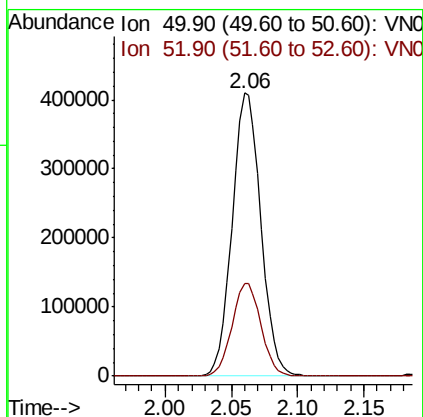
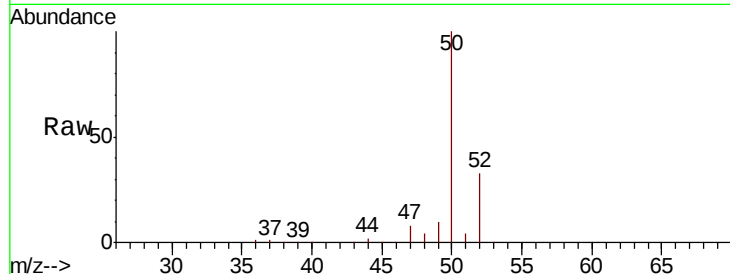




#3
Chloromethane
Concen: 49.789 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

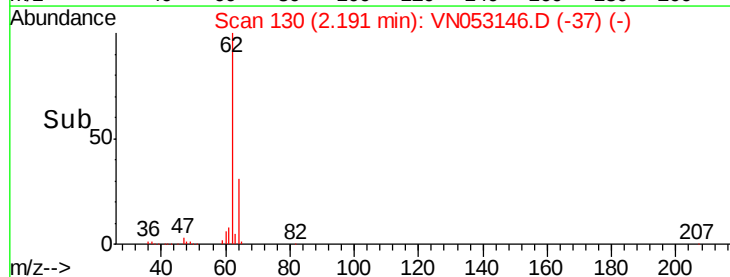
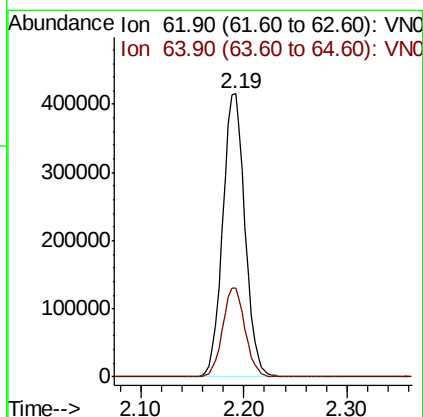
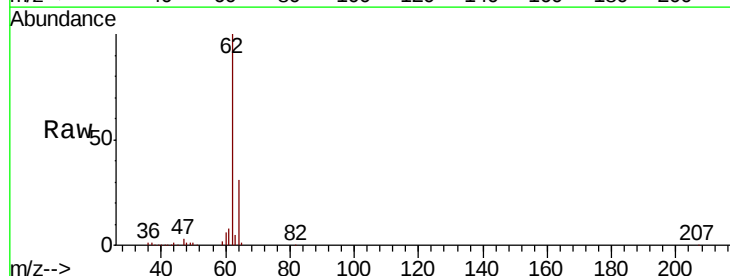
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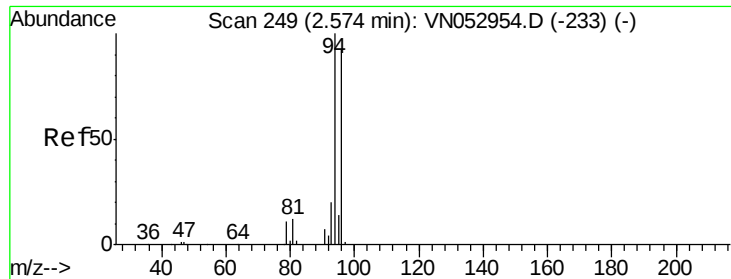
Tot Ion: 50 Resp: 615578
Ion Ratio Lower Upper
50 100
52 32.9 26.2 39.4



#4
Vinyl Chloride
Concen: 49.822 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 62 Resp: 623844
Ion Ratio Lower Upper
62 100
64 31.4 25.5 38.3

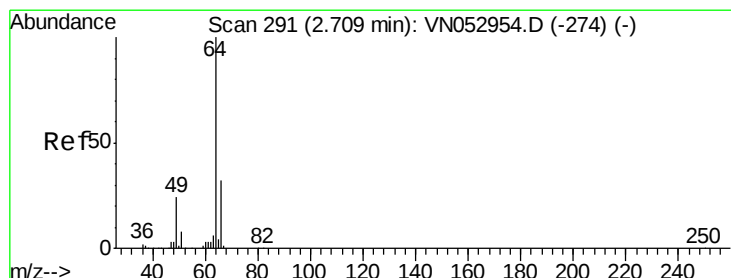
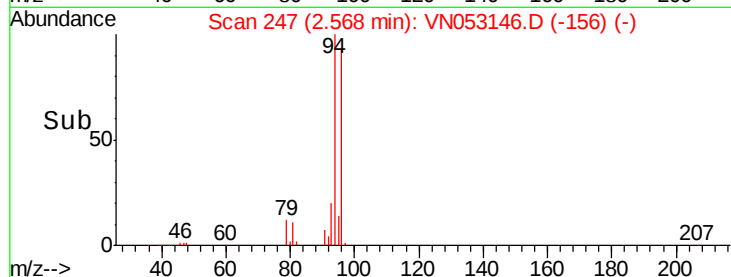
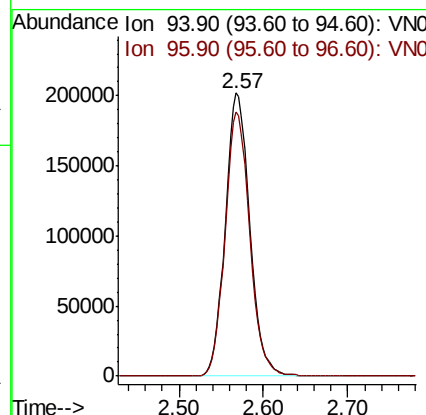
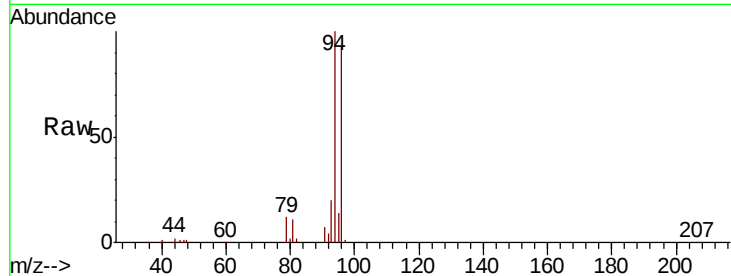




#5
Bromomethane
Concen: 47.050 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.01 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

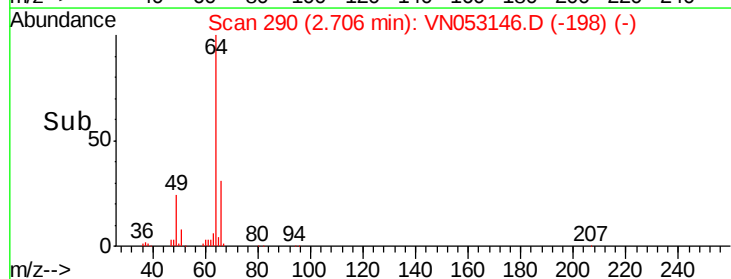
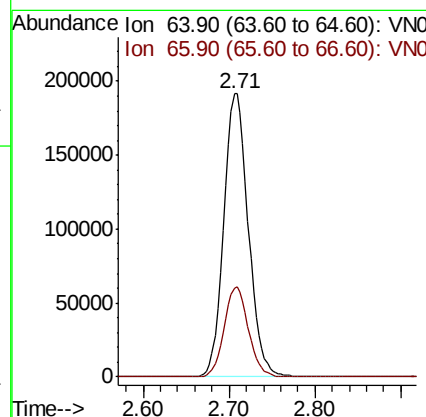
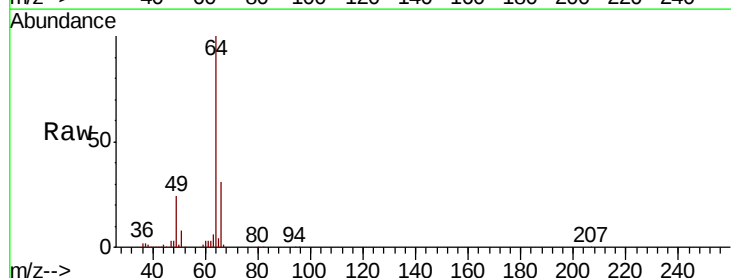
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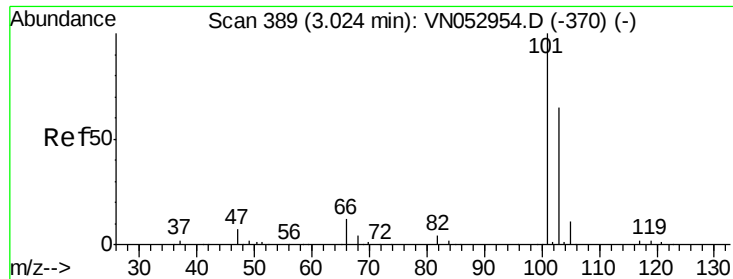
Tot Ion: 94 Resp: 408171
Ion Ratio Lower Upper
94 100
96 93.4 75.0 112.4



#6
Chloroethane
Concen: 51.220 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 64 Resp: 379840
Ion Ratio Lower Upper
64 100
66 31.4 26.2 39.2



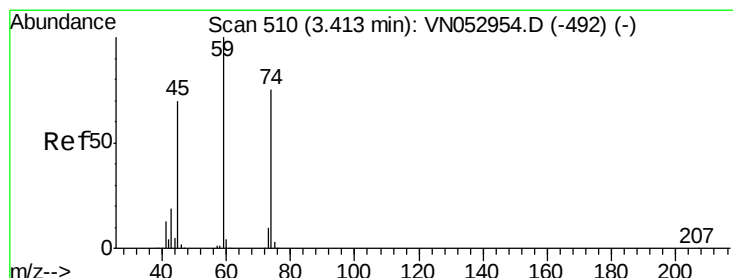
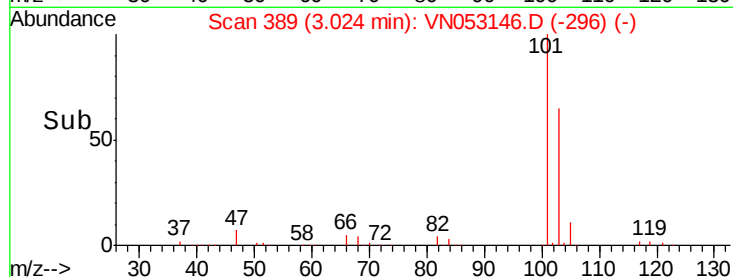
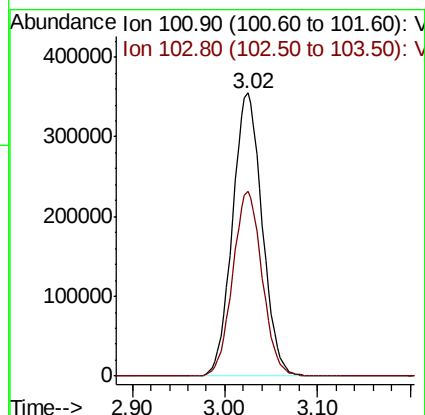
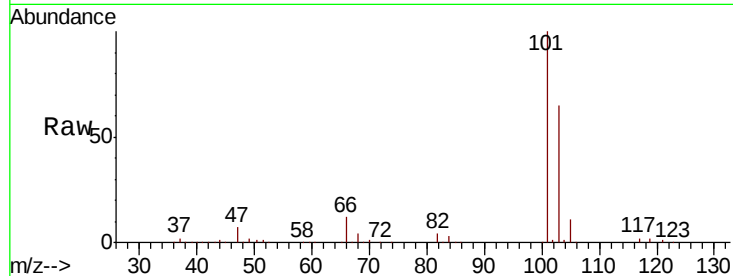


#7

Trichlorofluoromethane
 Concen: 50.453 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

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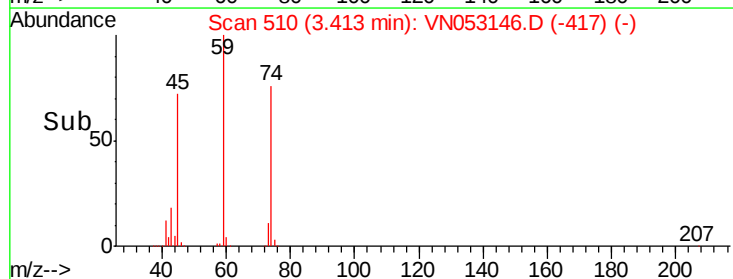
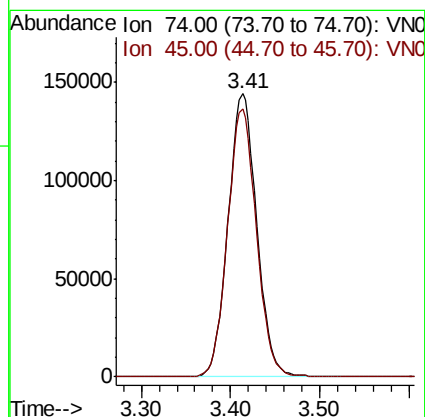
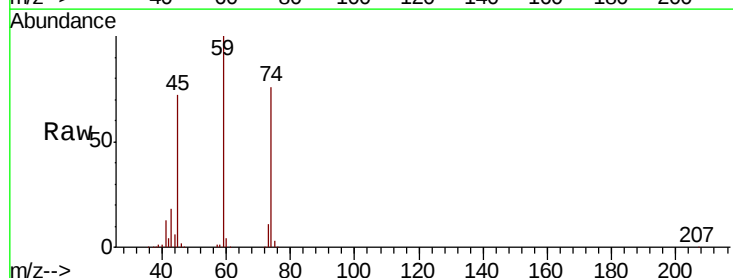
Tot Ion:101 Resp: 786998
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.6

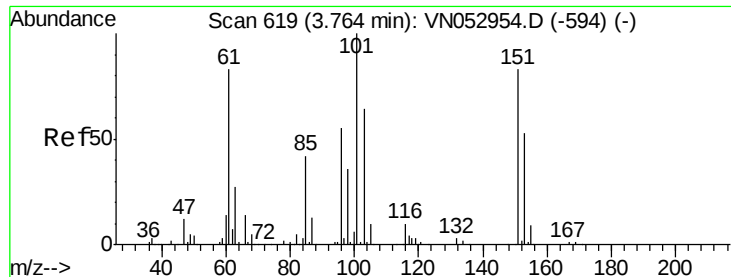


#8

Diethyl Ether
 Concen: 54.589 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 74 Resp: 321237
 Ion Ratio Lower Upper
 74 100
 45 95.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.569 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

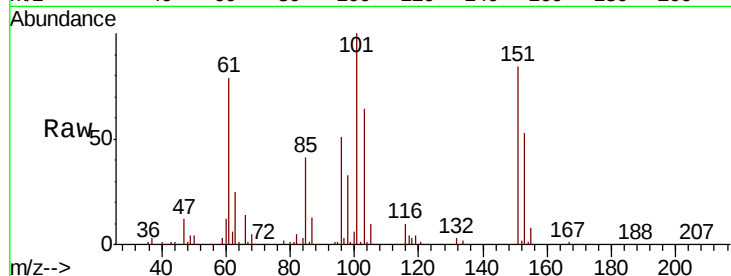
Tot Ion:101 Resp: 502939

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

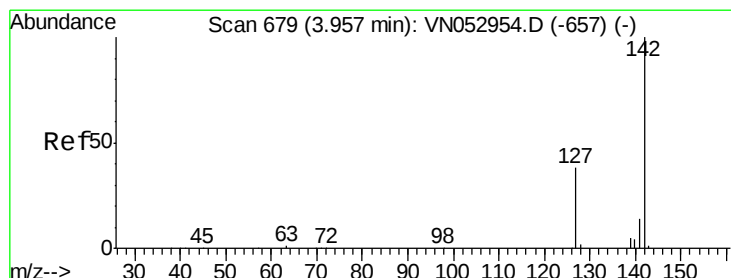
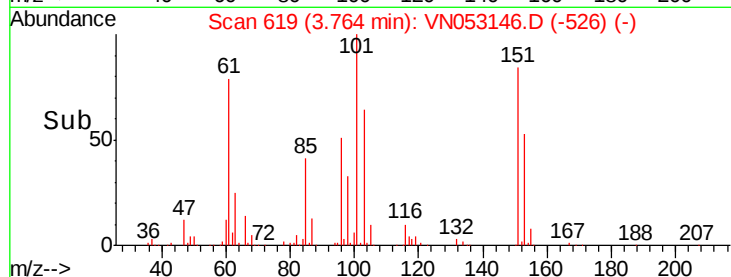
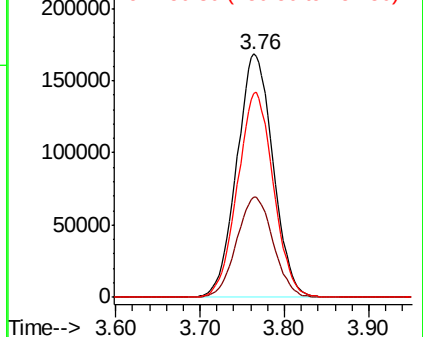
151 83.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.456 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

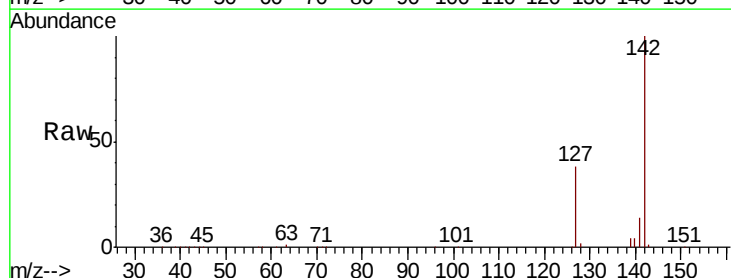
Tgt Ion:142 Resp: 704707

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

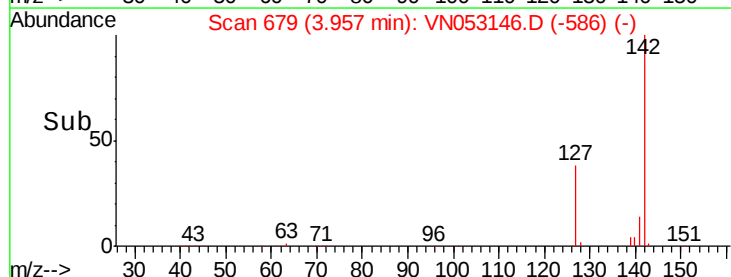
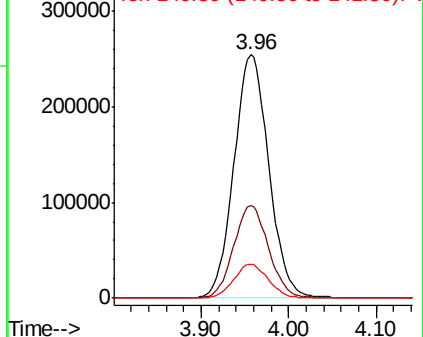
141 13.9 11.2 16.8

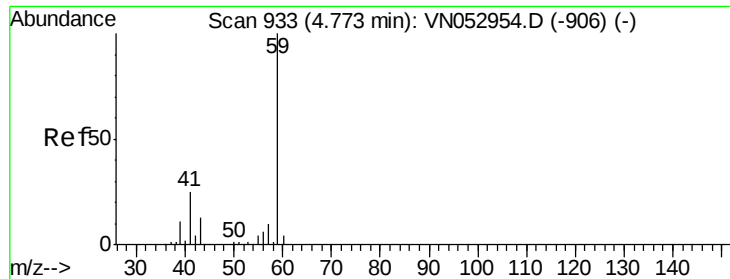


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

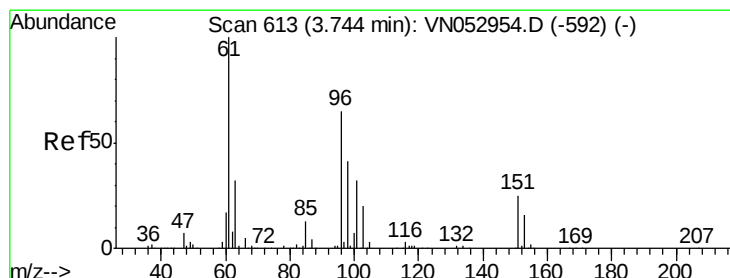
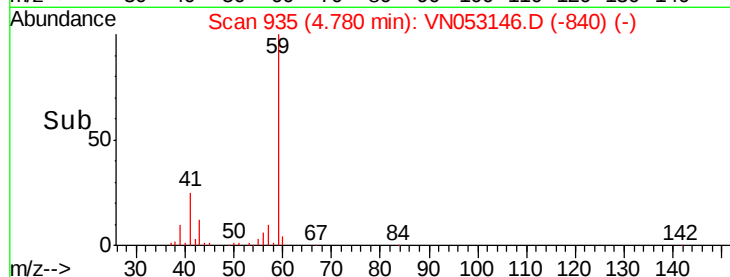
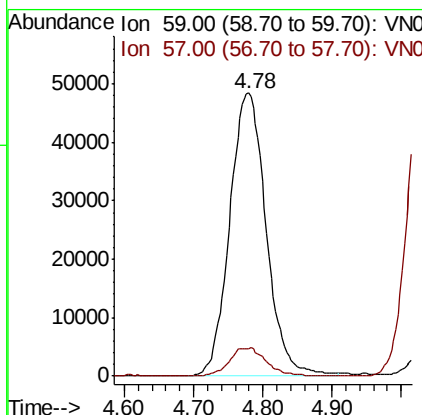
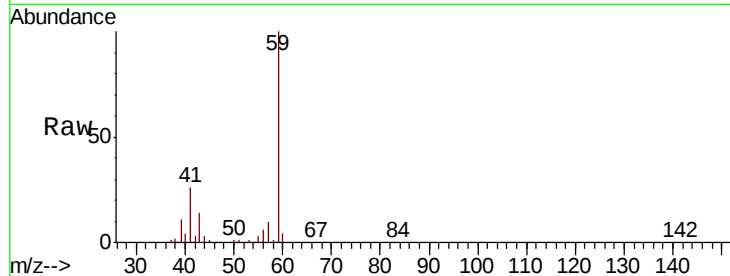




#11
Tert butyl alcohol
Concen: 283.958 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

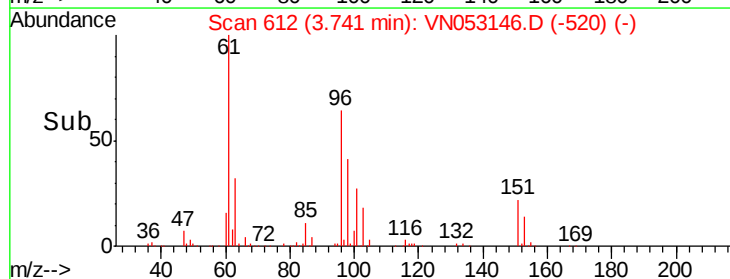
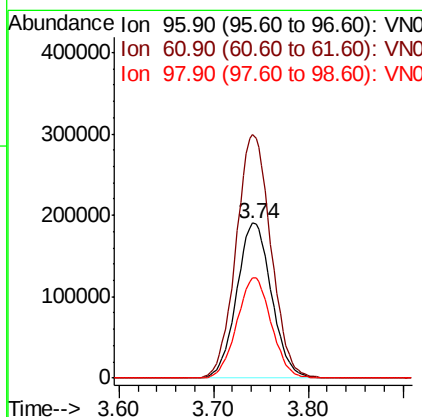
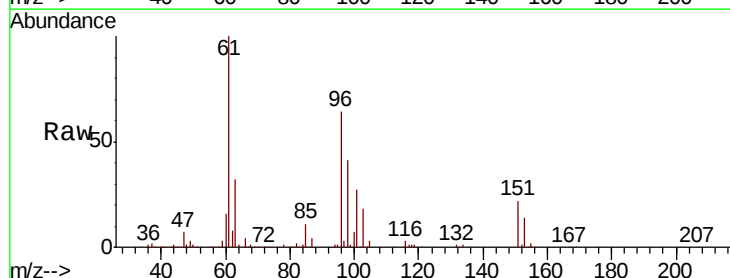
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

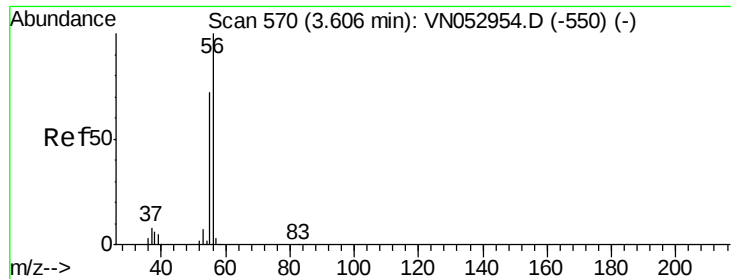
Tot Ion: 59 Resp: 177252
Ion Ratio Lower Upper
59 100
57 4.5 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 50.733 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 96 Resp: 487472
Ion Ratio Lower Upper
96 100
61 157.3 125.6 188.4
98 64.9 50.6 75.8

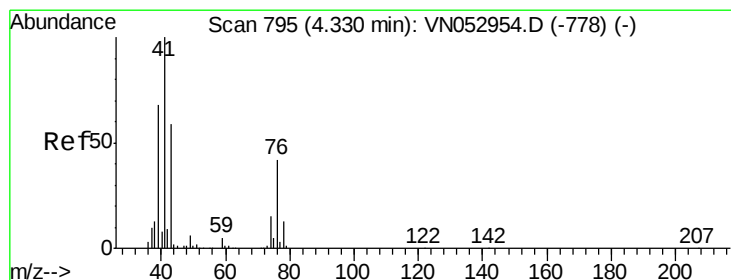
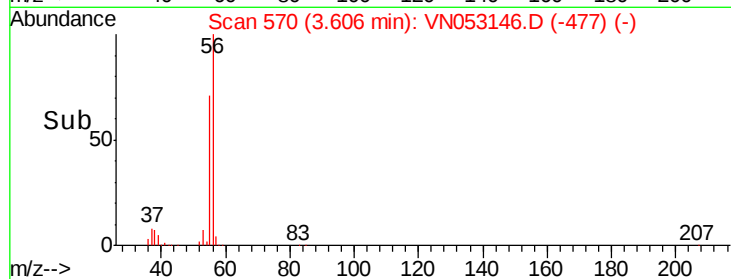
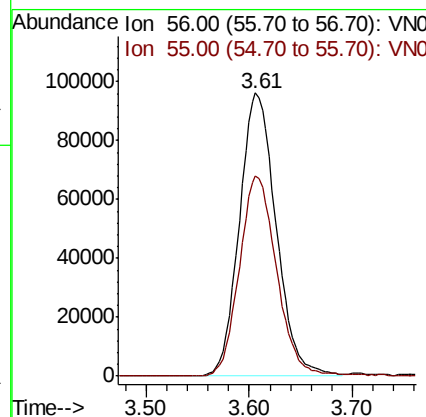
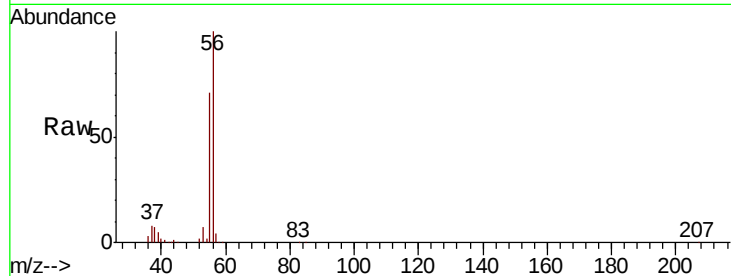




#13
 Acrolein
 Concen: 420.684 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

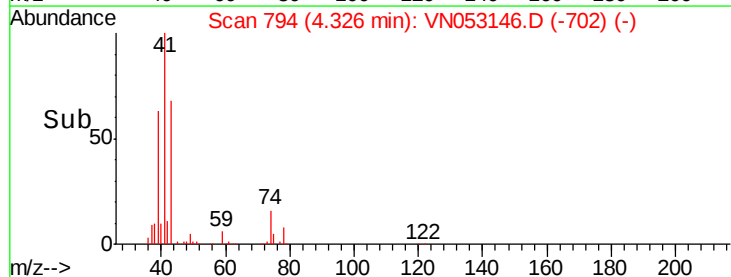
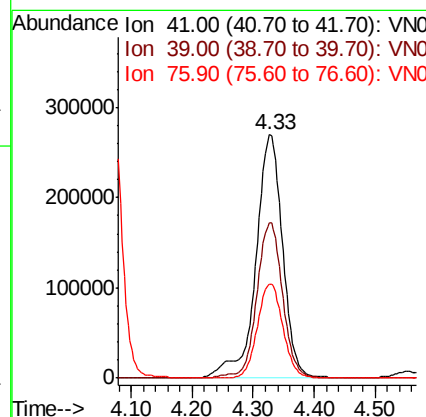
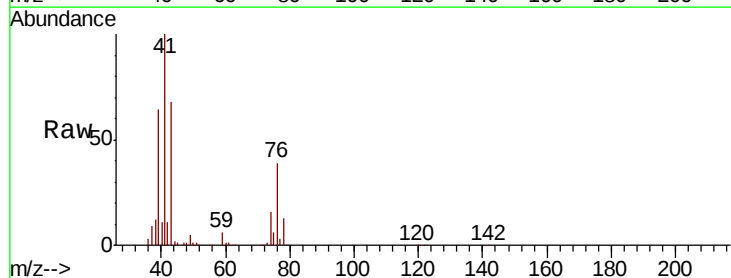
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 56 Resp: 238109
 Ion Ratio Lower Upper
 56 100
 55 71.1 56.6 85.0



#14
 Allyl chloride
 Concen: 55.420 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 41 Resp: 824841
 Ion Ratio Lower Upper
 41 100
 39 61.4 54.1 81.1
 76 36.2 30.3 45.5





#15

Acrylonitrile

Concen: 281.901 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

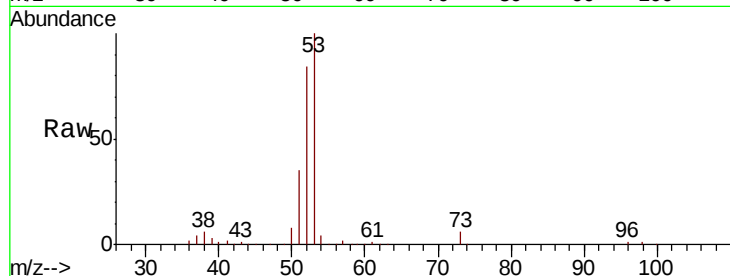
Tot Ion: 53 Resp: 977590

Ion Ratio Lower Upper

53 100

52 81.3 65.1 97.7

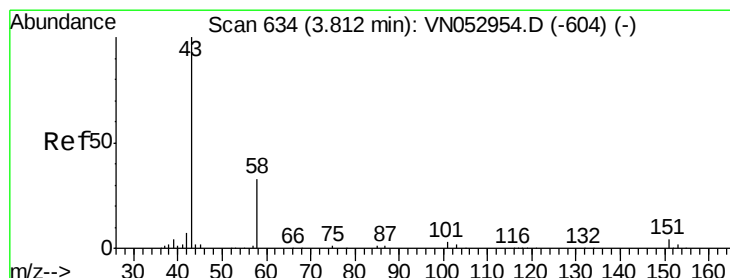
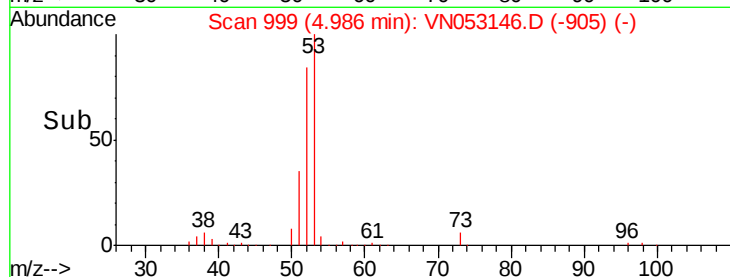
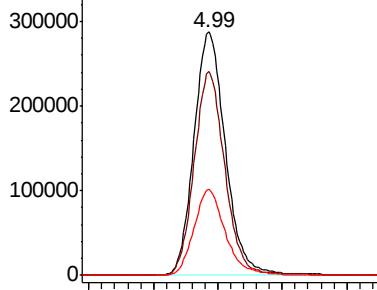
51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)



#16

Acetone

Concen: 308.070 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053146.D

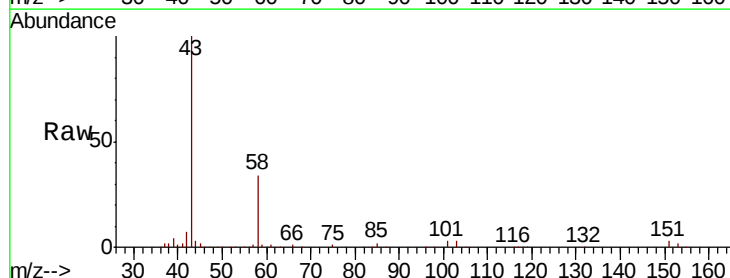
Acq: 22 Dec 2018 21:12

Tgt Ion: 43 Resp: 617946

Ion Ratio Lower Upper

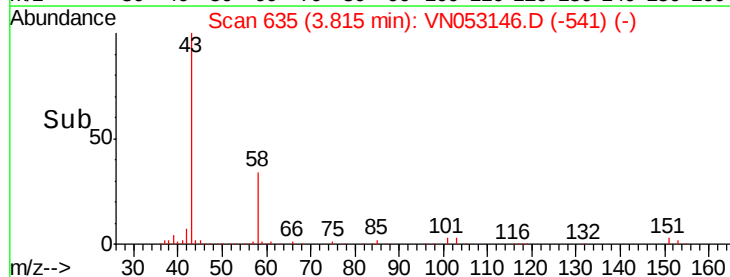
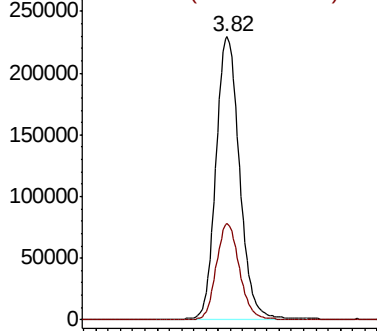
43 100

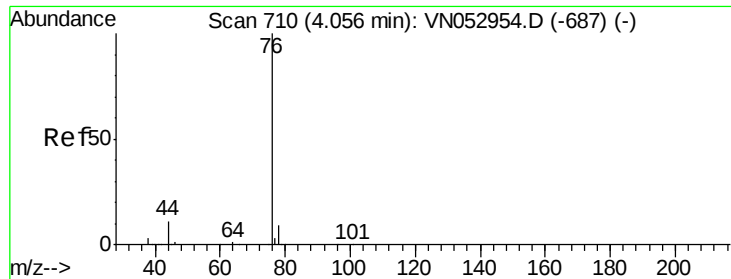
58 34.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

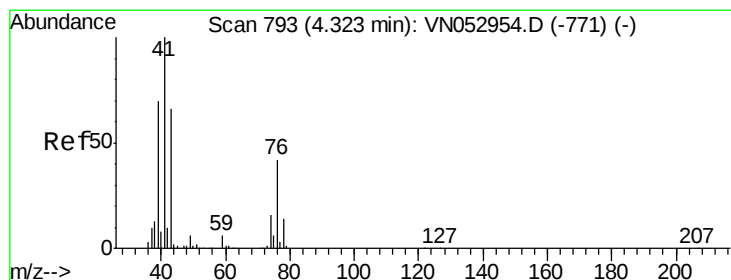
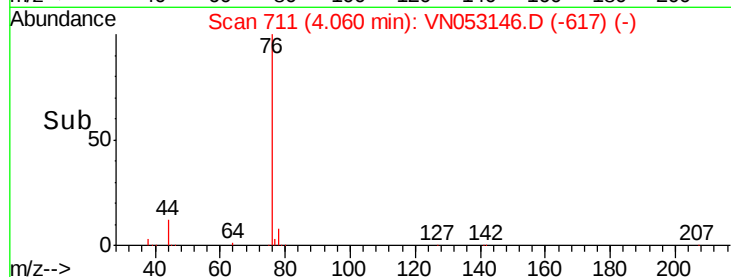
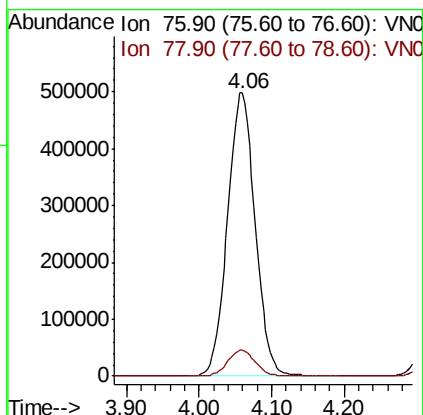
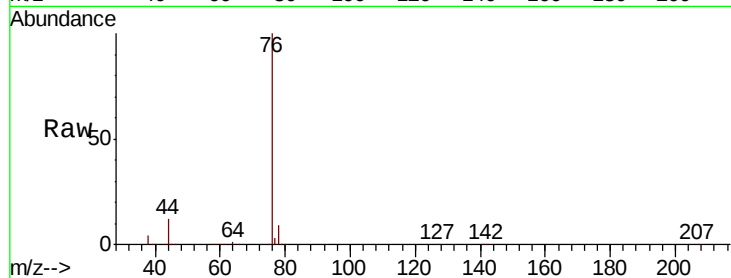




#17
Carbon Disulfide
Concen: 42.145 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

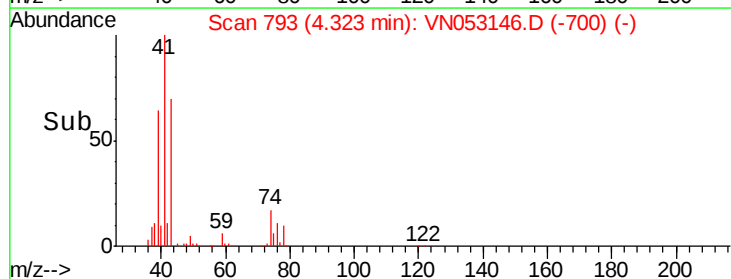
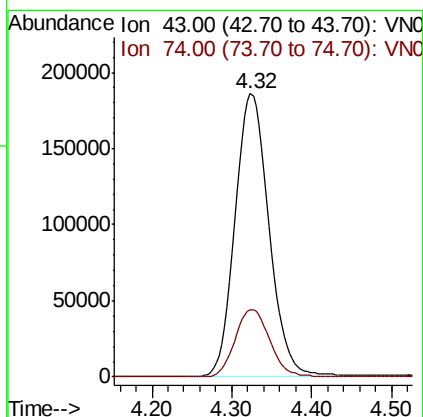
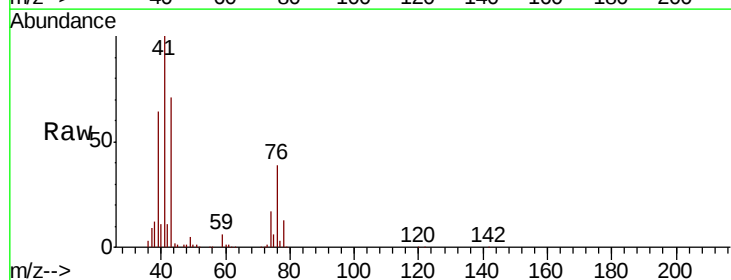
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

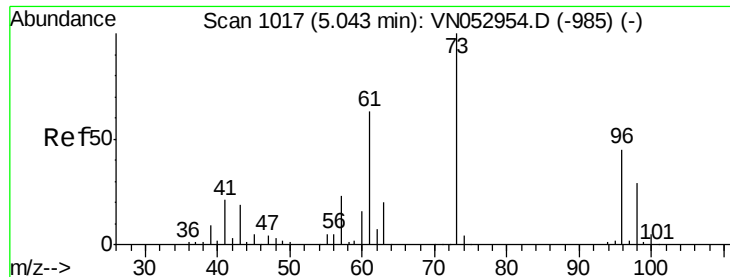
Tot Ion: 76 Resp: 1320641
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 58.390 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 43 Resp: 533129
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

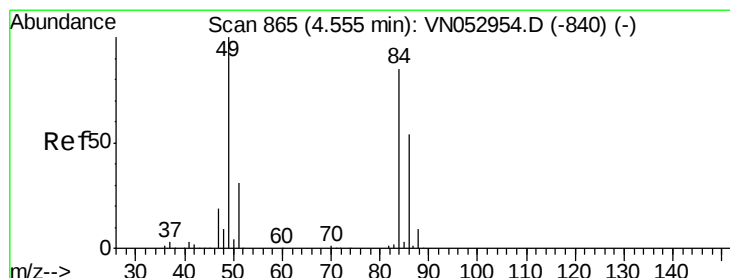
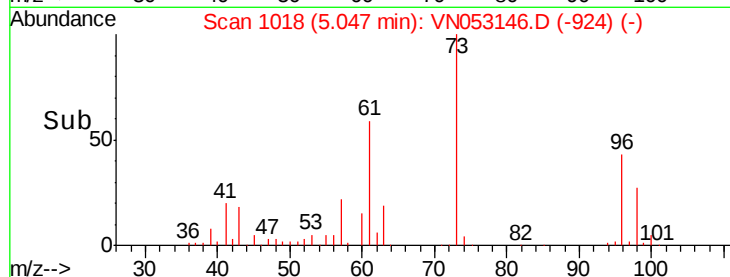
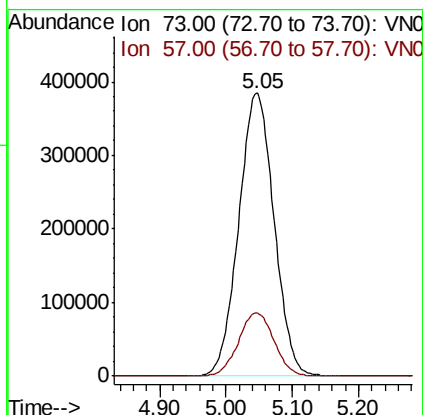
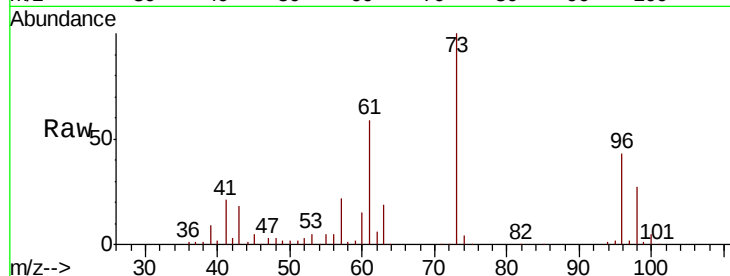




#19
Methvl tert-butvl Ether
Concen: 55.425 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

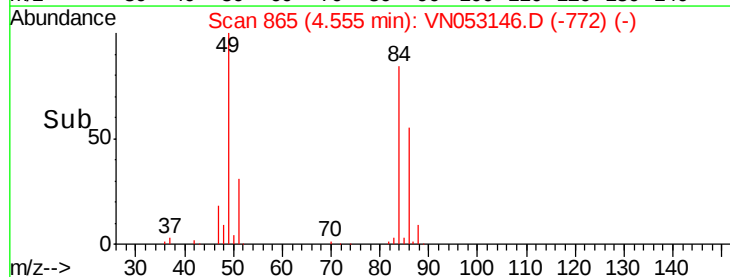
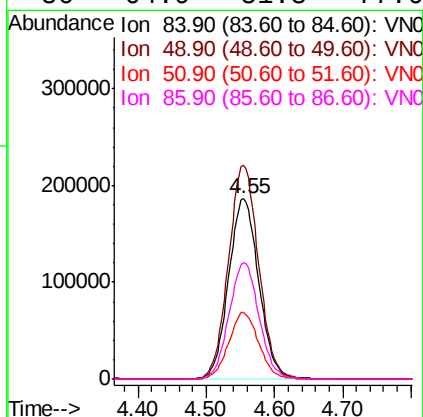
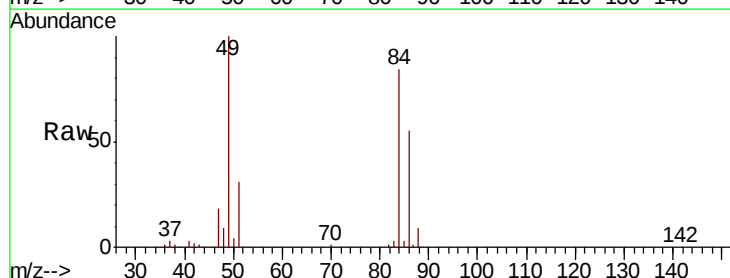
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

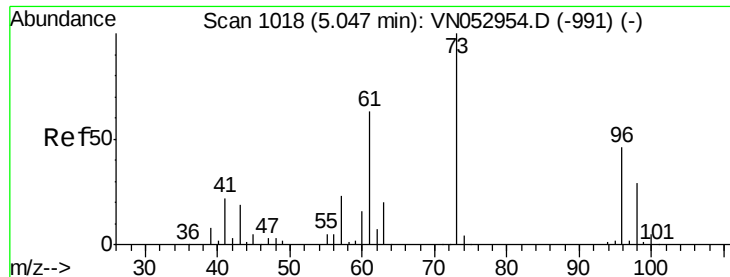
Tot Ion: 73 Resp: 1425176
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 52.356 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 84 Resp: 572864
Ion Ratio Lower Upper
84 100
49 118.7 96.8 145.2
51 36.7 29.9 44.9
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.488 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

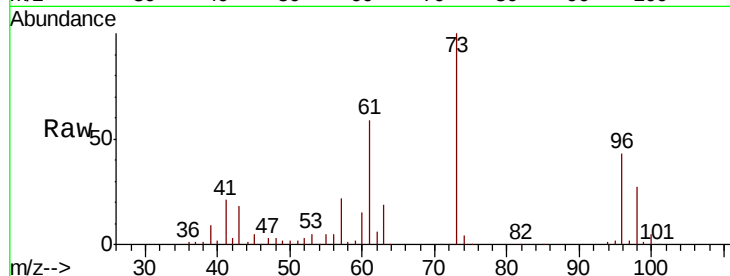
Tot Ion: 96 Resp: 521215

Ion Ratio Lower Upper

96 100

61 137.7 110.8 166.2

98 63.5 51.4 77.2

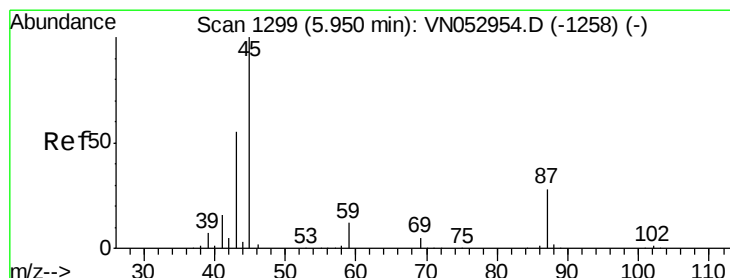
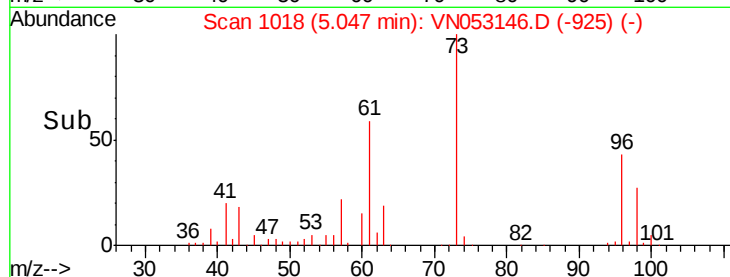
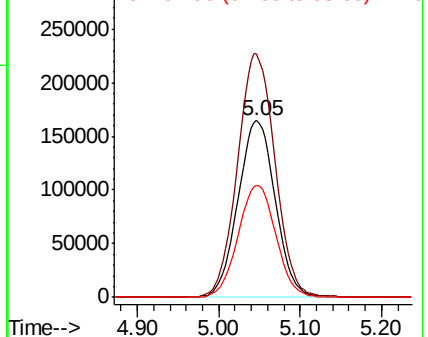


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 56.181 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Tgt Ion: 45 Resp: 1784807

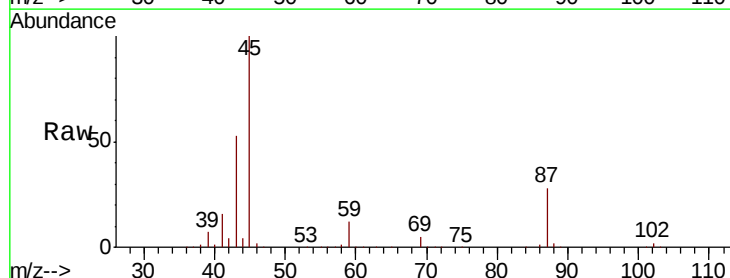
Ion Ratio Lower Upper

45 100

43 52.8 45.5 68.3

87 27.8 22.0 33.0

59 11.9 9.4 14.0



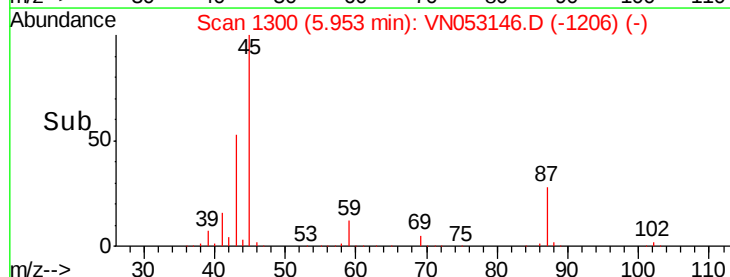
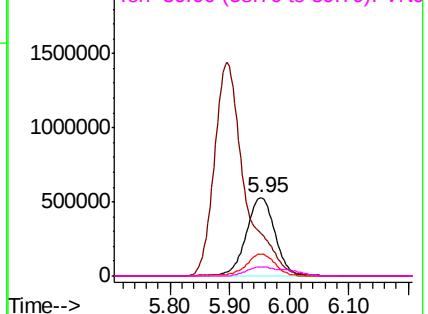
Abundance

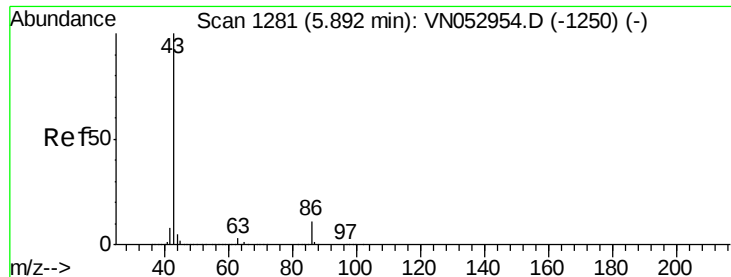
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 278.105 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

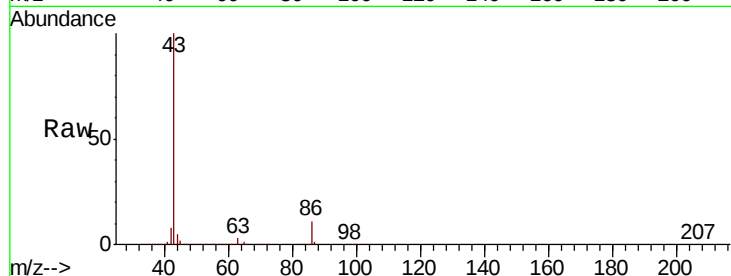
VSTDCCC050EC

Tot Ion: 43 Resp: 5080437

Ion Ratio Lower Upper

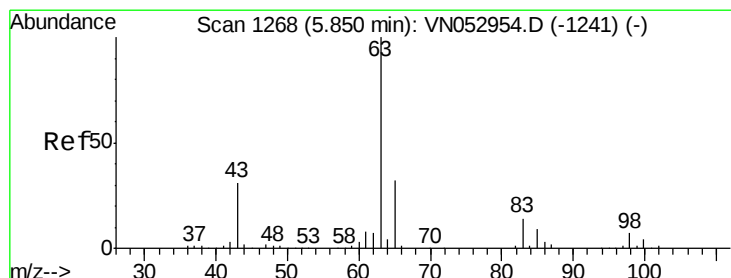
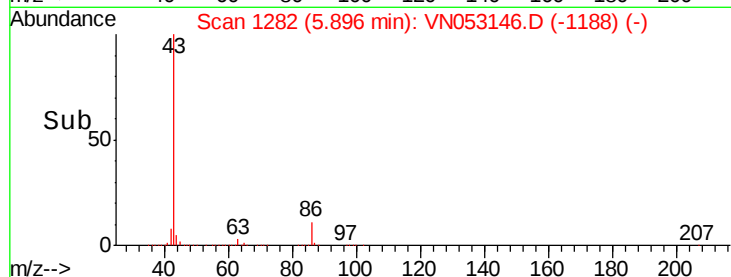
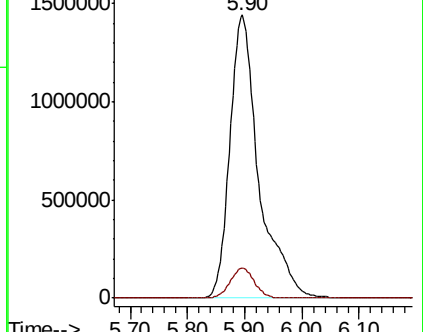
43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)



#24

1,1-Dichloroethane

Concen: 53.508 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

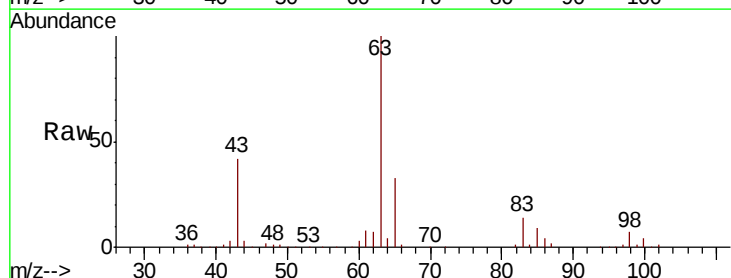
Tgt Ion: 63 Resp: 1010126

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

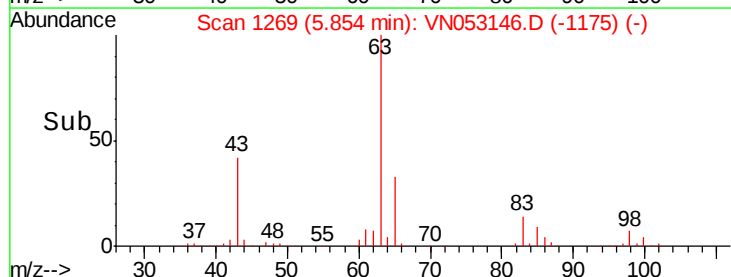
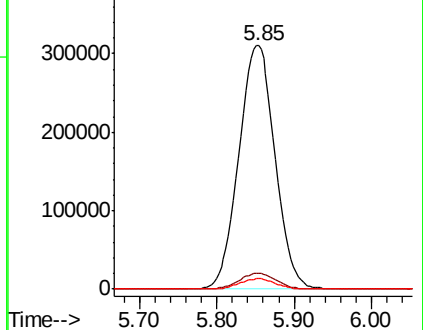
100 4.3 2.0 5.8

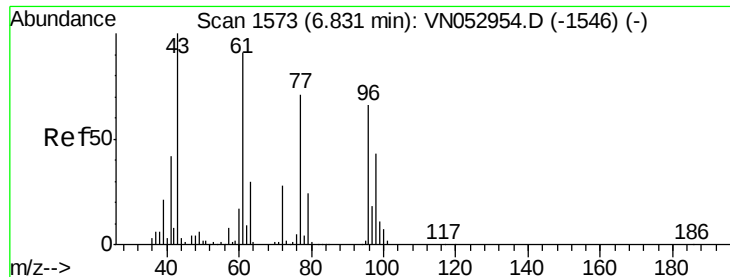


Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)





#25

2-Butanone

Concen: 305.336 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

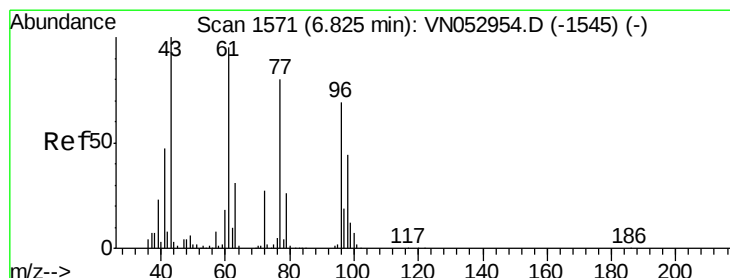
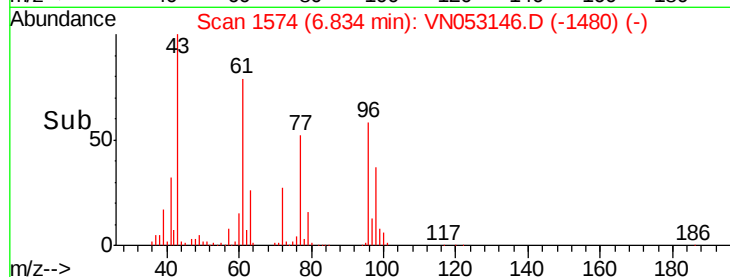
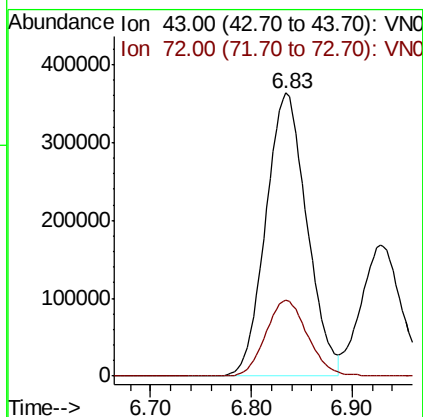
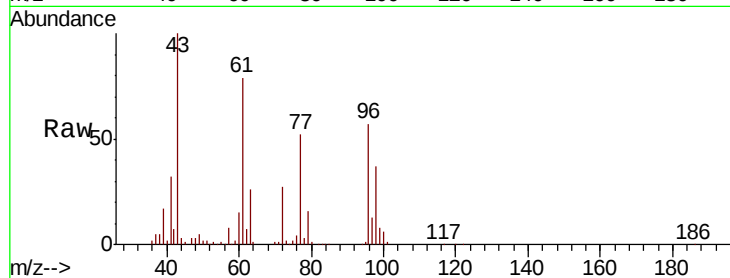
VSTDCCC050EC

Tot Ion: 43 Resp: 1027860

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 44.457 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053146.D

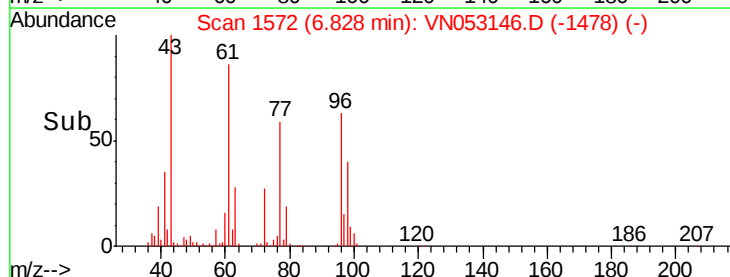
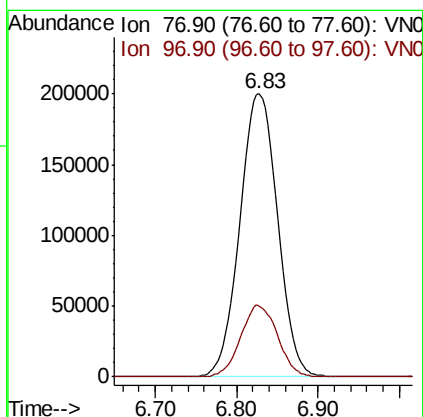
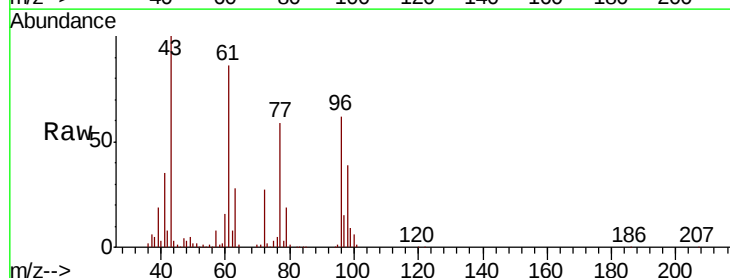
Acq: 22 Dec 2018 21:12

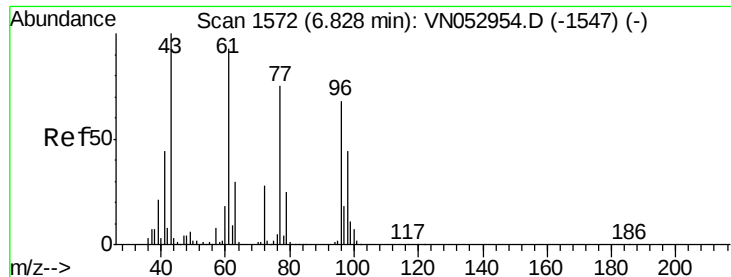
Tgt Ion: 77 Resp: 640657

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.175 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

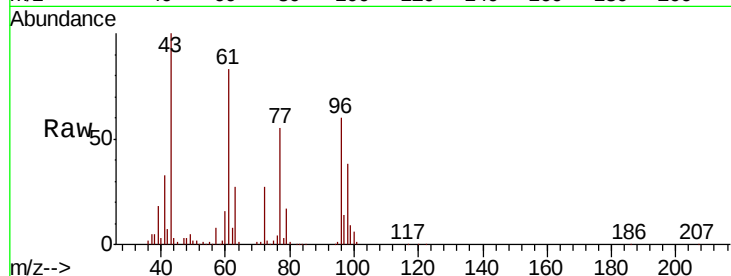
Tot Ion: 96 Resp: 621483

Ion Ratio Lower Upper

96 100

61 138.8 0.0 284.2

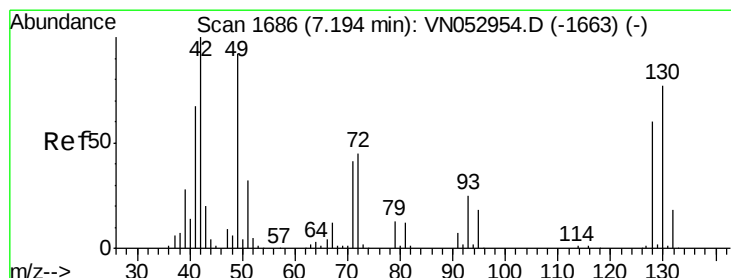
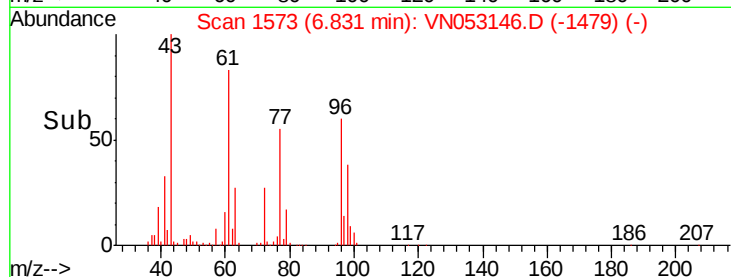
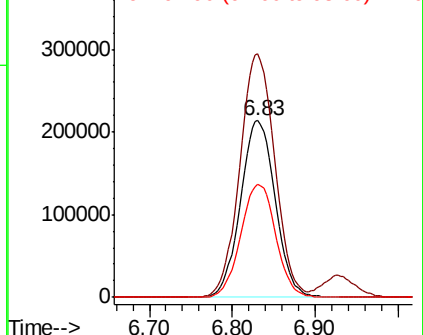
98 64.7 0.0 129.2



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: 54.844 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

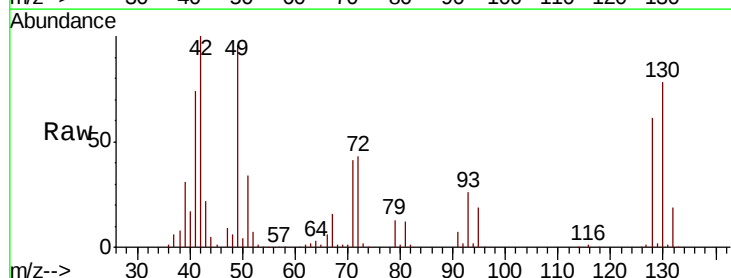
Tgt Ion: 49 Resp: 448634

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

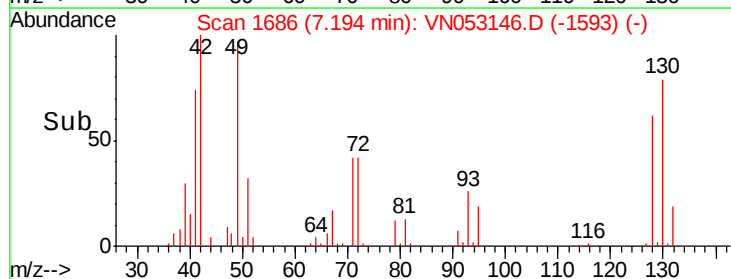
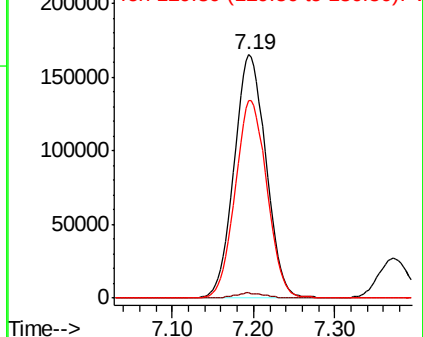
130 80.7 63.3 94.9



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

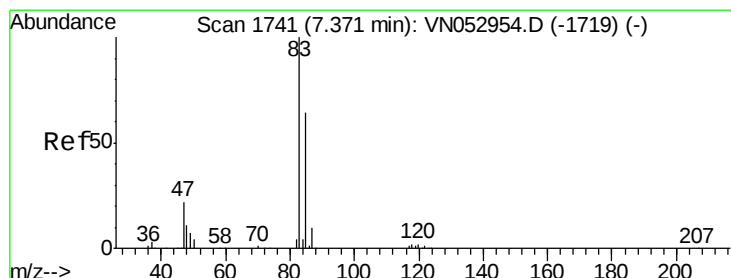
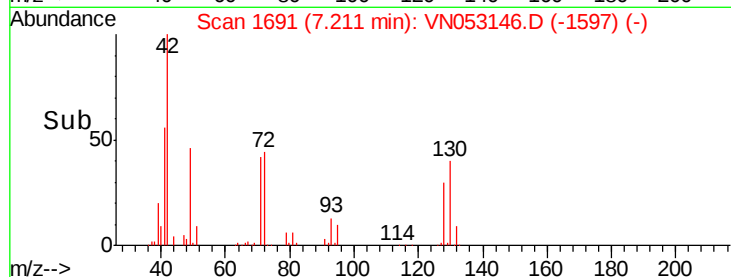
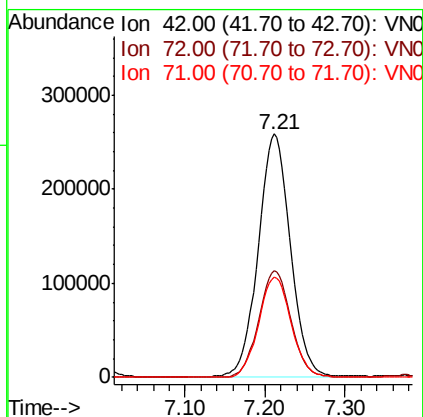
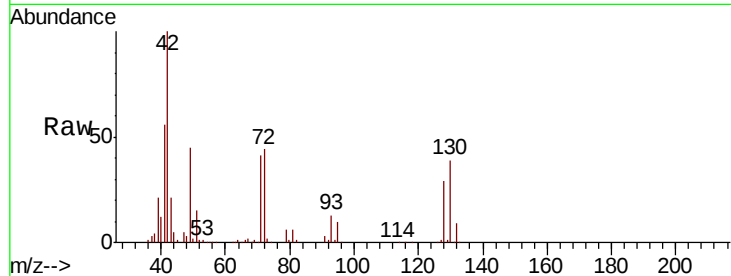




#29
Tetrahydrofuran
Concen: 285.915 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

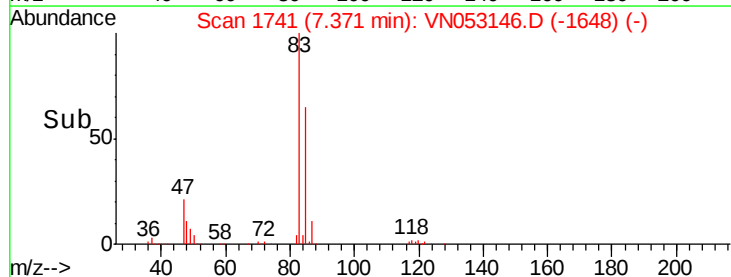
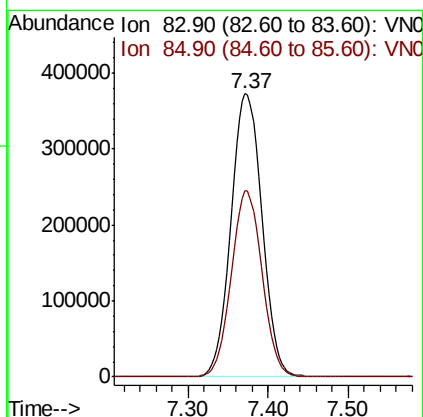
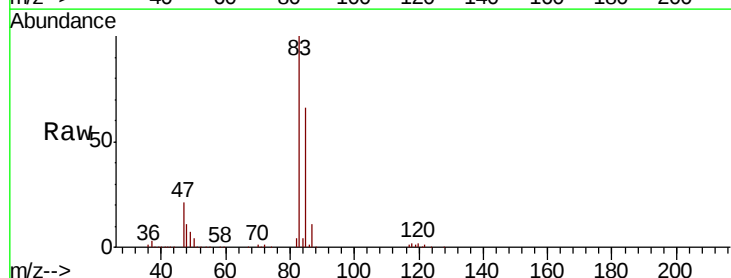
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 718848
Ion Ratio Lower Upper
42 100
72 43.8 34.7 52.1
71 41.8 32.3 48.5



#30
Chloroform
Concen: 52.797 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 83 Resp: 979101
Ion Ratio Lower Upper
83 100
85 65.6 52.1 78.1





#31

Cyclohexane

Concen: 51.464 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

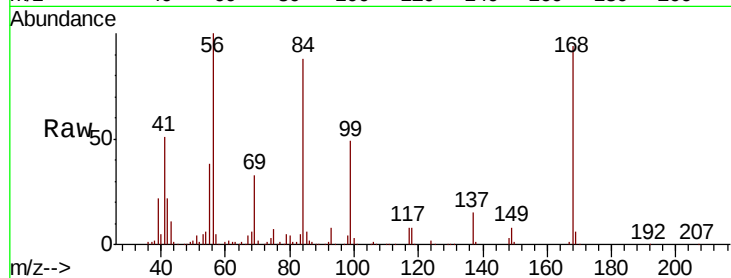
Tot Ion: 56 Resp: 910634

Ion Ratio Lower Upper

56 100

69 33.1 26.6 39.8

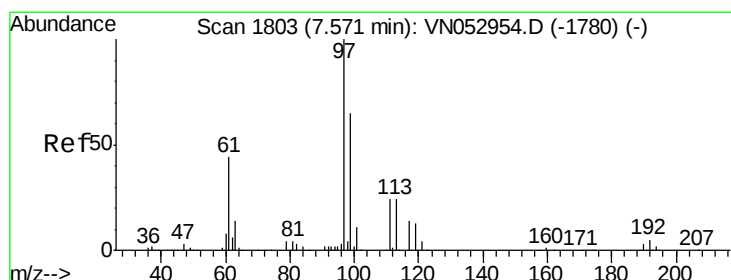
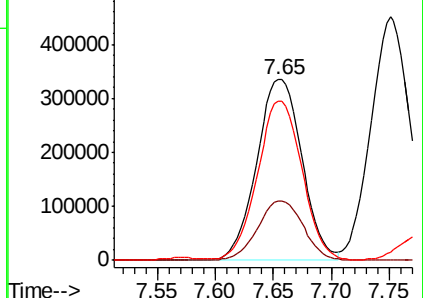
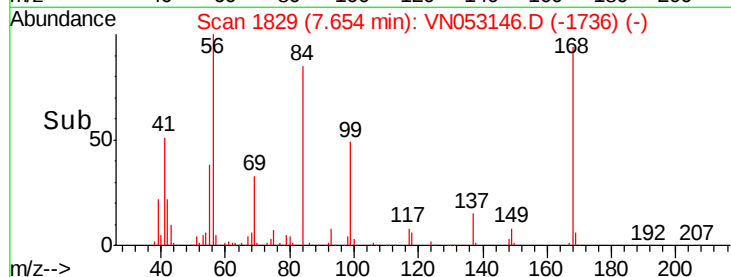
84 86.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053146.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053146.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053146.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.530 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

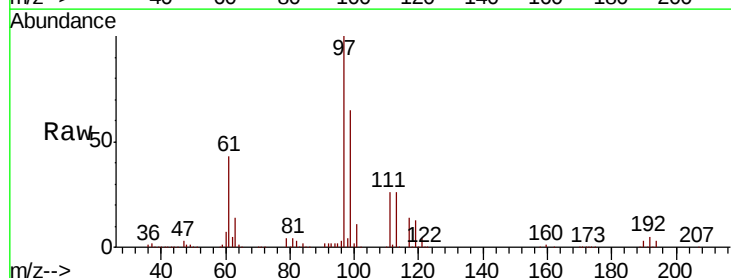
Tgt Ion: 97 Resp: 814064

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

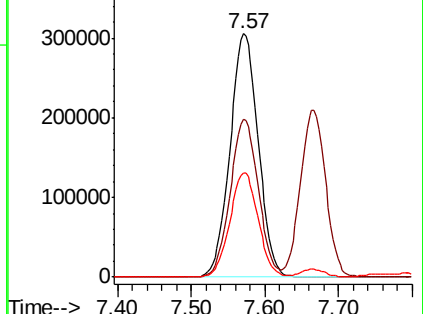
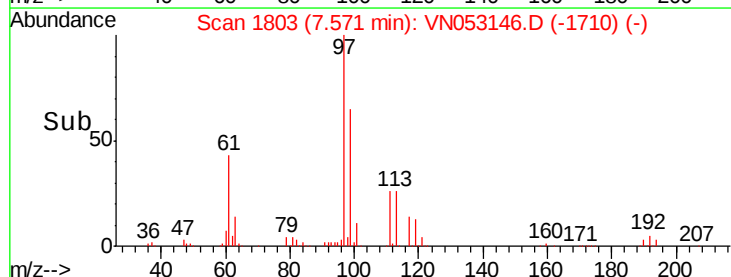
61 42.9 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053146.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053146.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053146.D (-1710) (-)

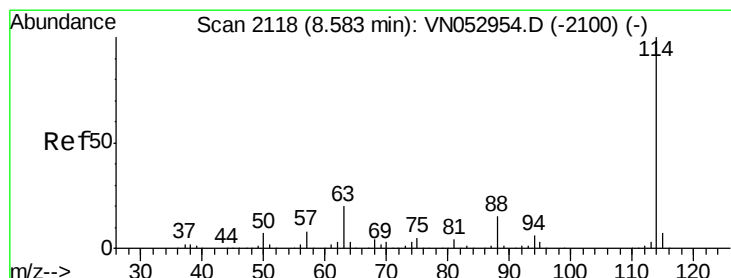
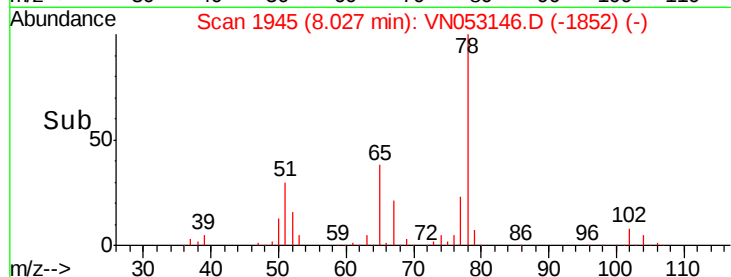
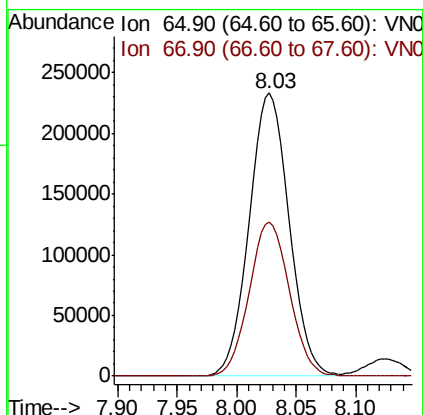
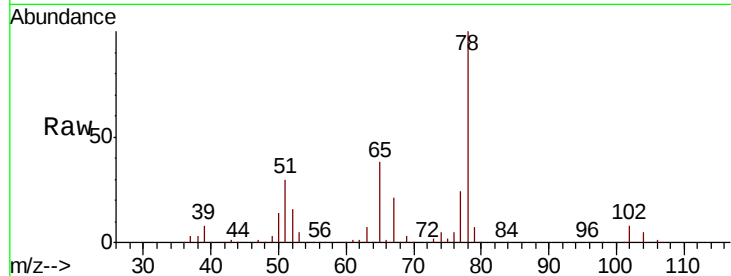




#33
 1,2-Dichloroethane-d4
 Concen: 51.530 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

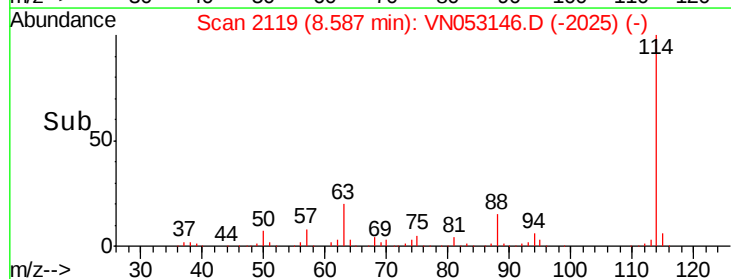
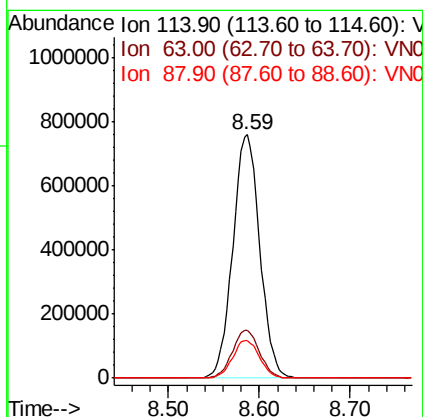
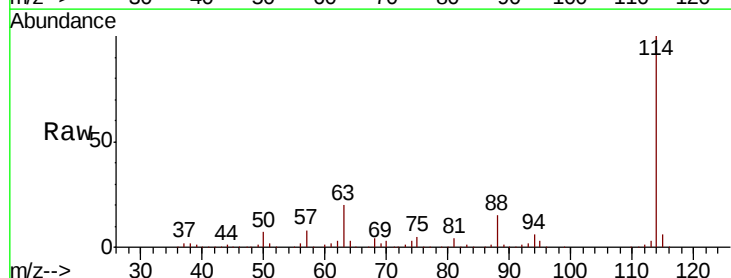
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

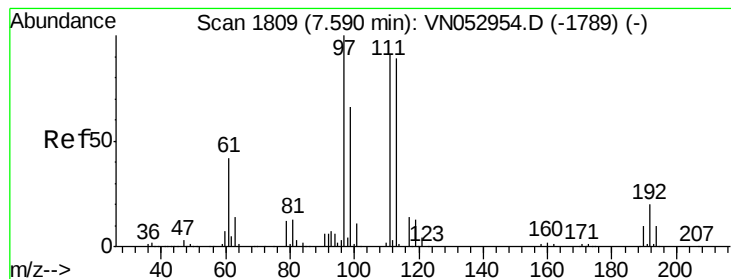
Tot Ion: 65 Resp: 542314
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 114 Resp: 1560295
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

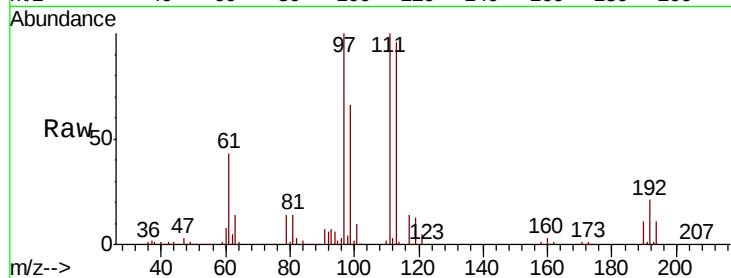
Tot Ion:113 Resp: 437299

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

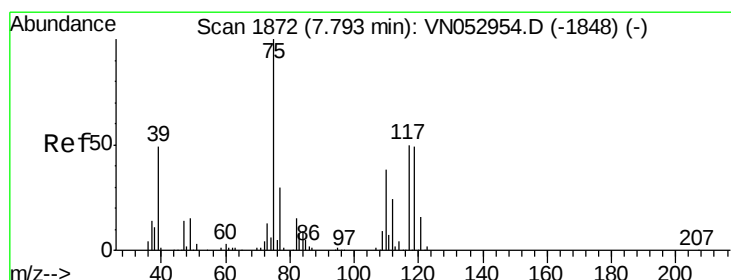
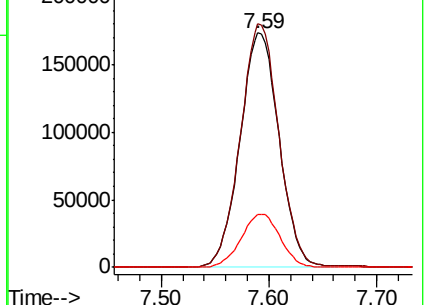
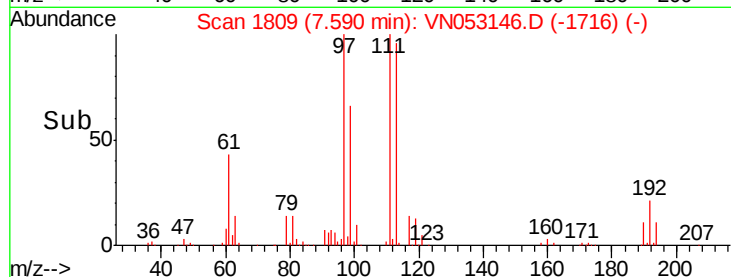
192 22.7 17.5 26.3



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: 50.456 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

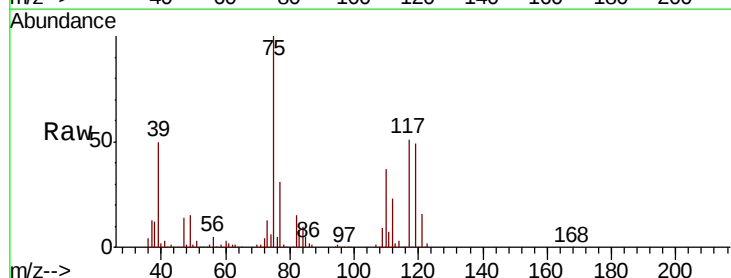
Tgt Ion: 75 Resp: 755632

Ion Ratio Lower Upper

75 100

110 36.2 18.2 54.6

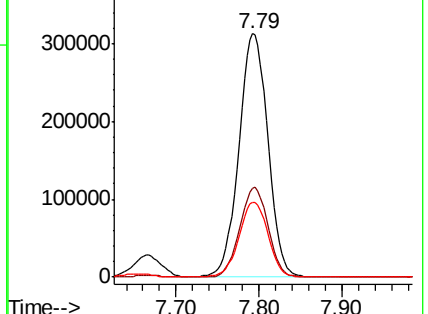
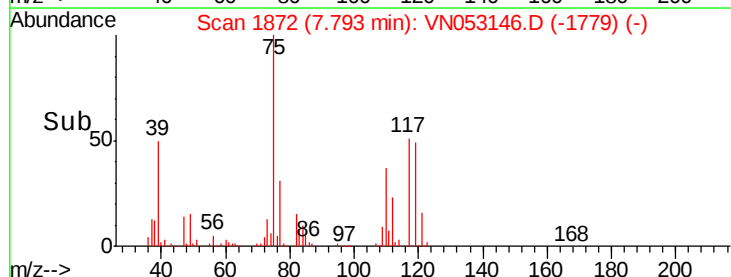
77 31.2 24.9 37.3

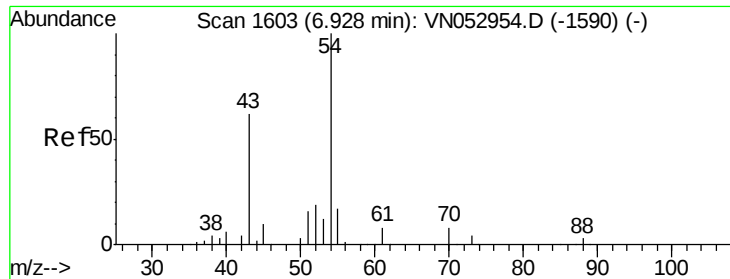


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

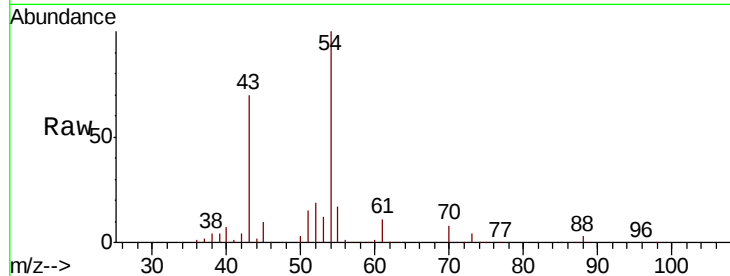




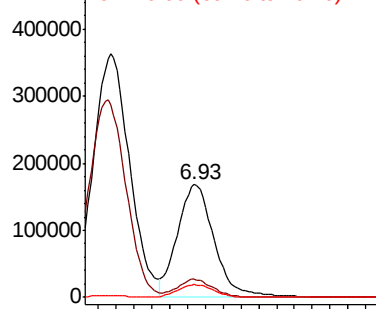
#37
Ethyl Acetate
Concen: 56.697 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

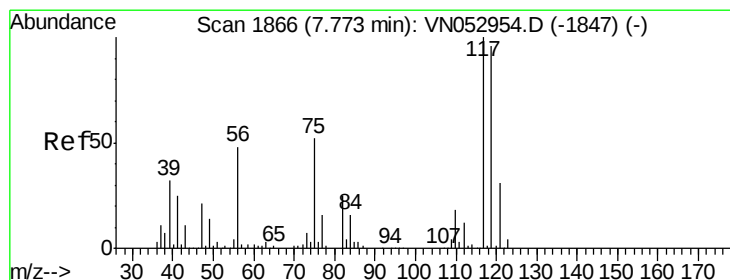
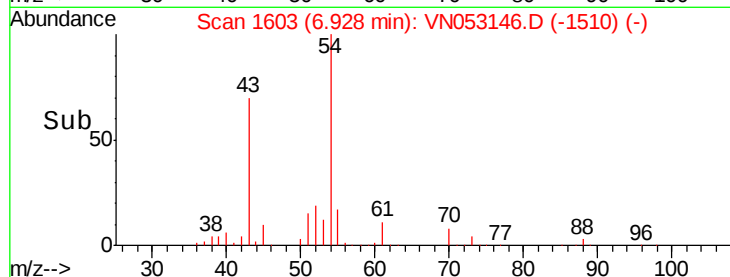
Tot Ion: 43 Resp: 474010
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

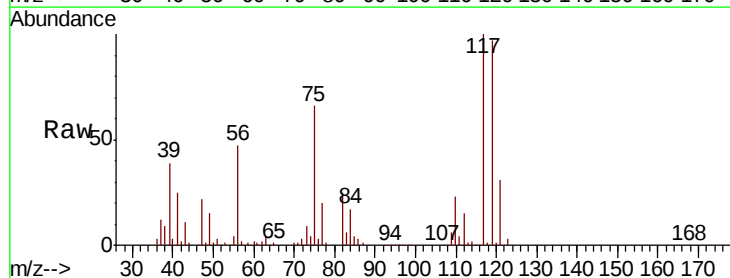


Time-->

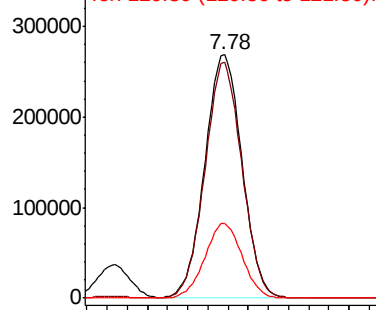


#38
Carbon Tetrachloride
Concen: 50.014 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

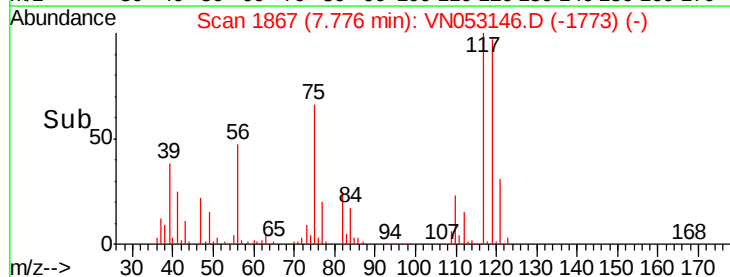
Tgt Ion: 117 Resp: 686541
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7
121 30.5 24.9 37.3

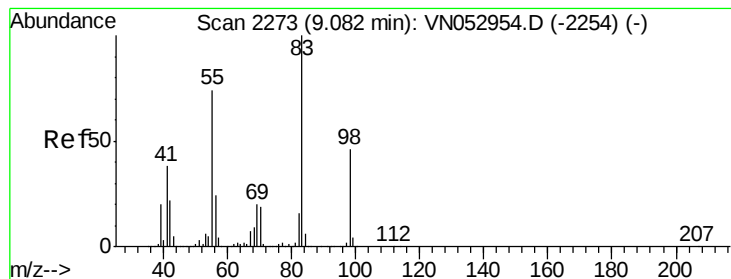


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->

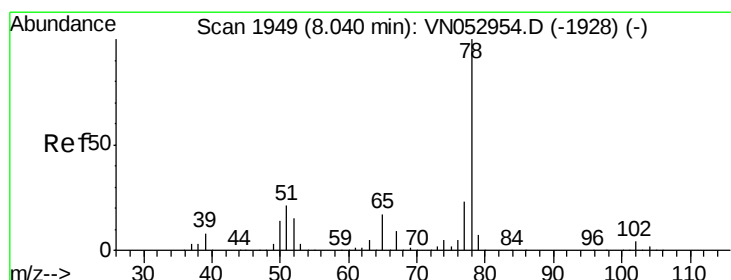
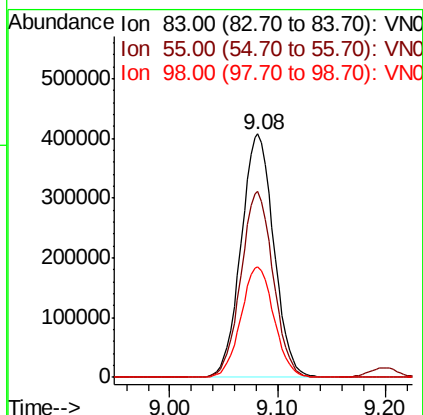
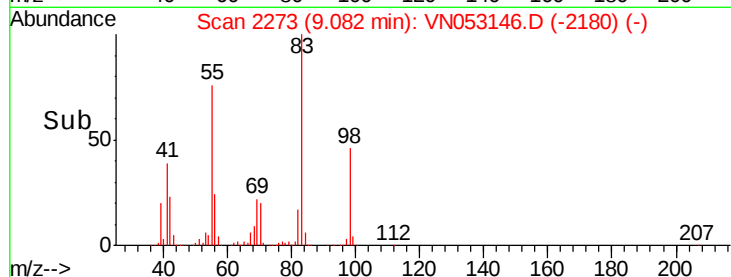
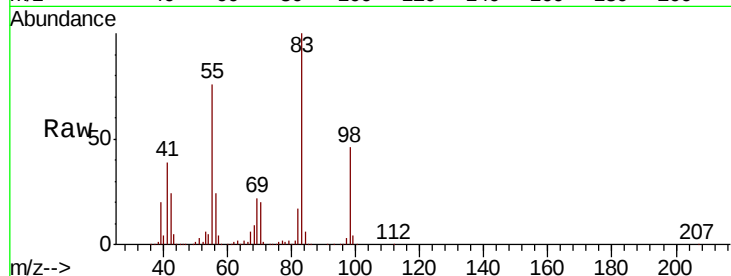




#39
Methvlcvclohexane
Concen: 47.235 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

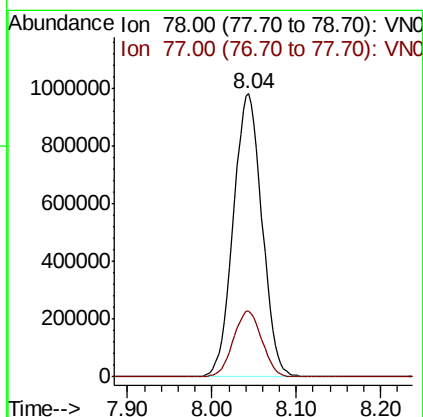
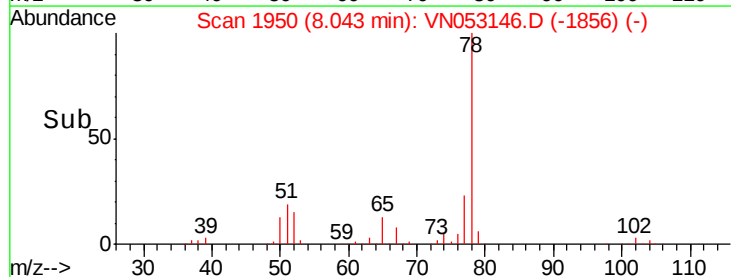
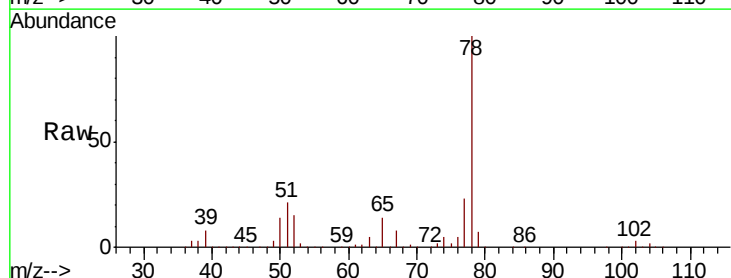
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

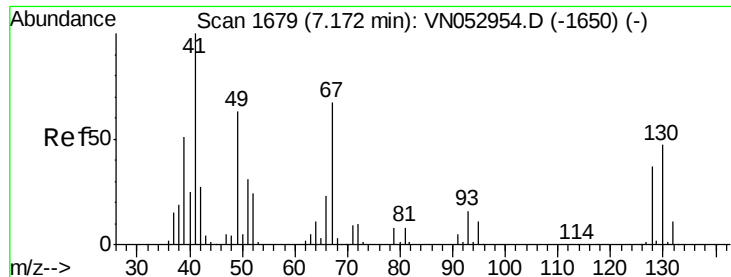
Tot Ion: 83 Resp: 859351
Ion Ratio Lower Upper
83 100
55 76.3 61.3 91.9
98 45.6 37.0 55.4



#40
Benzene
Concen: 52.216 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 78 Resp: 2326022
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

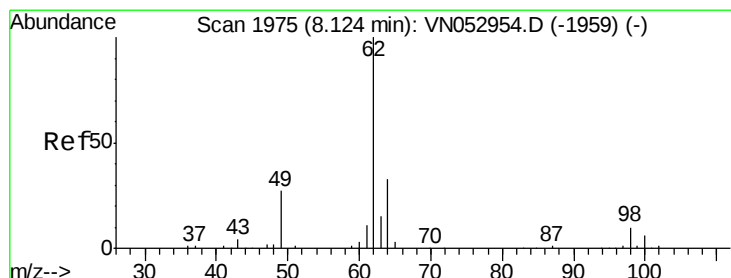
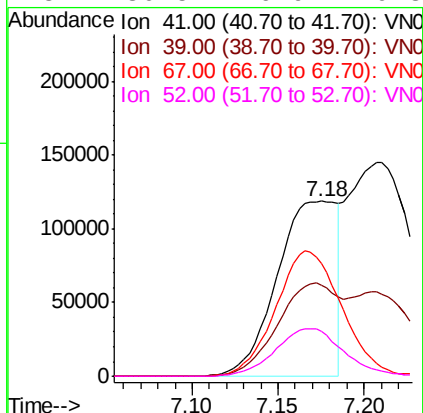
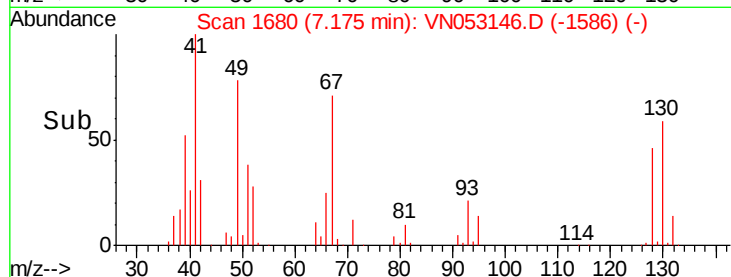
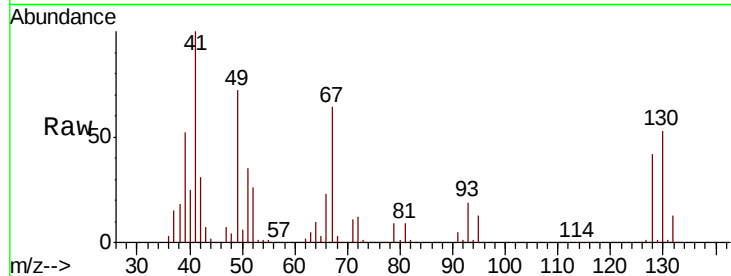




#41
Methacrylonitrile
Concen: 59.288 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

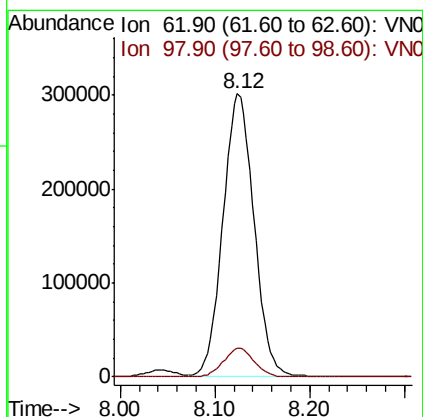
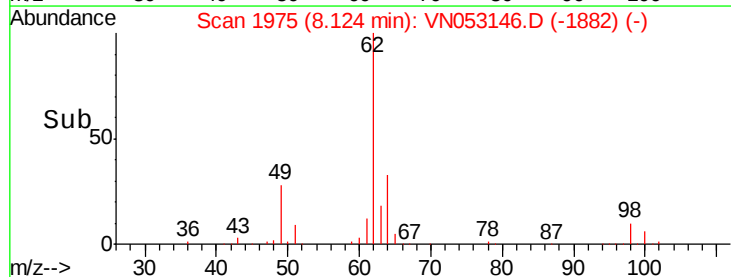
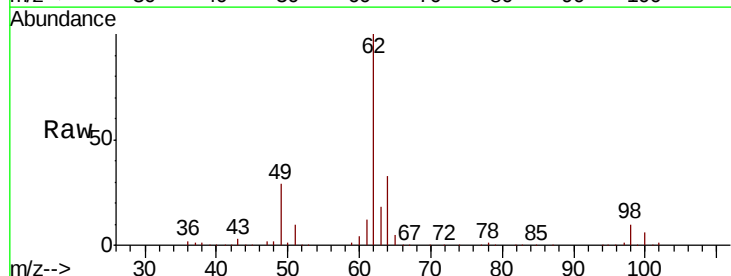
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

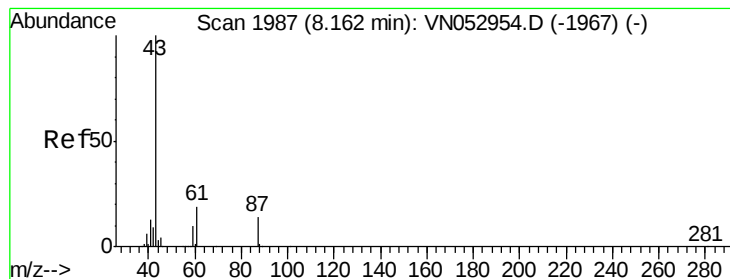
Tot Ion: 41 Resp: 286394
Ion Ratio Lower Upper
41 100
39 54.5 48.0 72.0
67 79.7 70.3 105.5
52 30.5 26.9 40.3



#42
1,2-Dichloroethane
Concen: 52.232 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 62 Resp: 687361
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 54.518 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

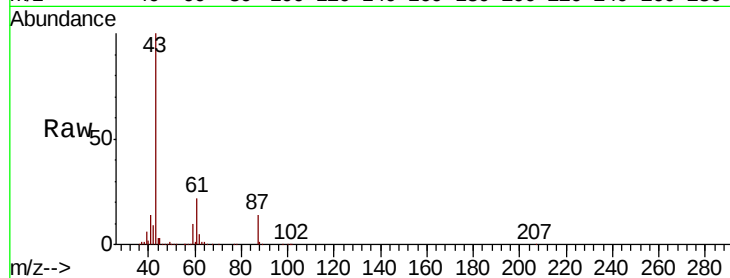
Tot Ion: 43 Resp: 880518

Ion Ratio Lower Upper

43 100

61 29.7 22.9 34.3

87 13.5 10.6 15.8

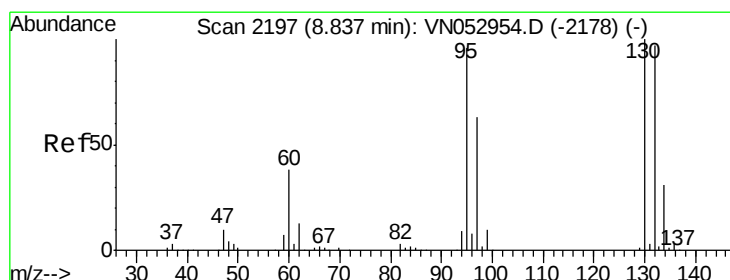
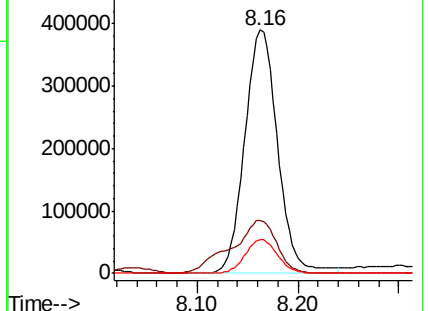
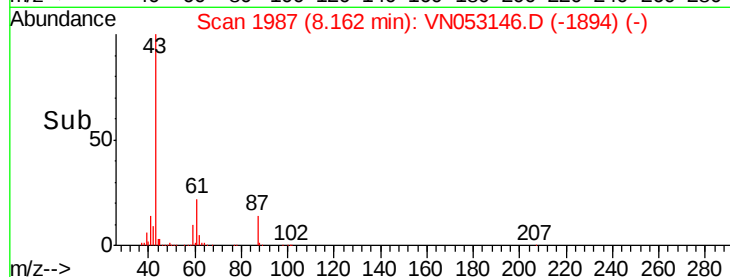


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

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: 48.825 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053146.D

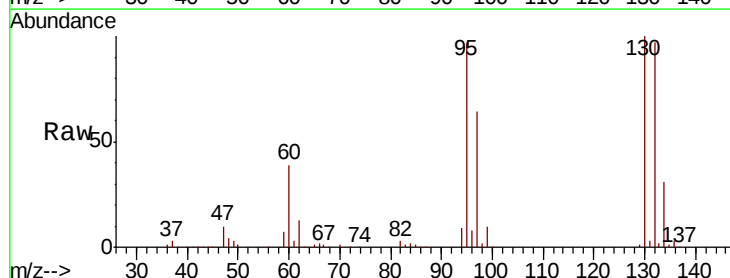
Acq: 22 Dec 2018 21:12

Tgt Ion: 130 Resp: 629086

Ion Ratio Lower Upper

130 100

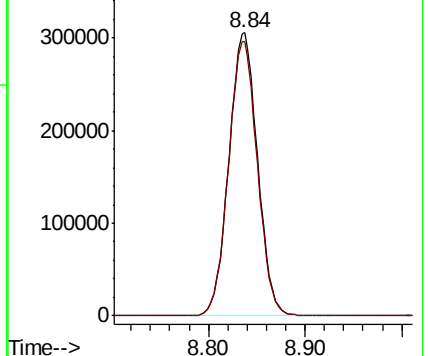
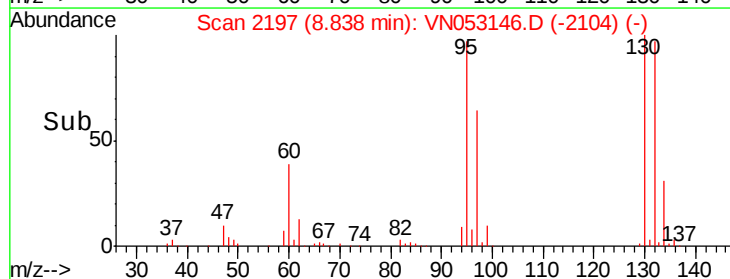
95 96.9 0.0 197.8

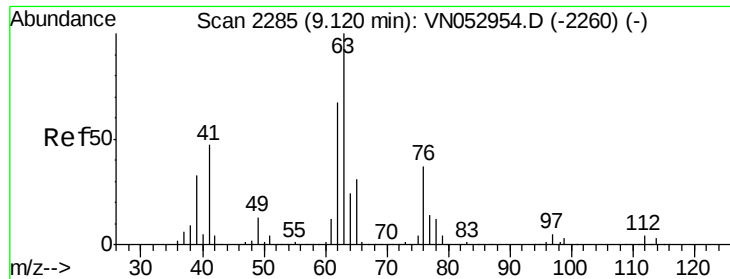


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

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

Time-->

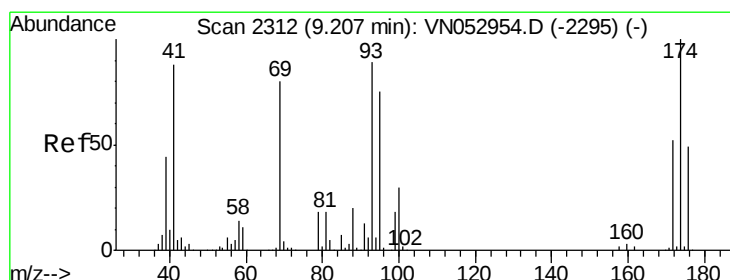
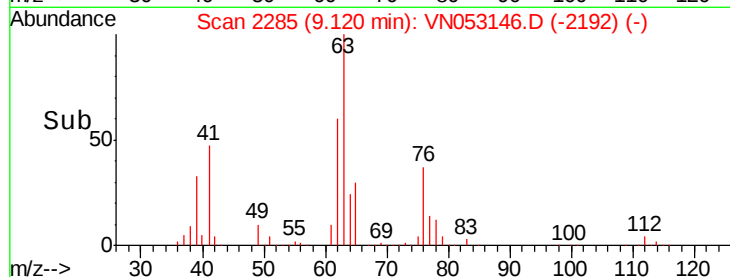
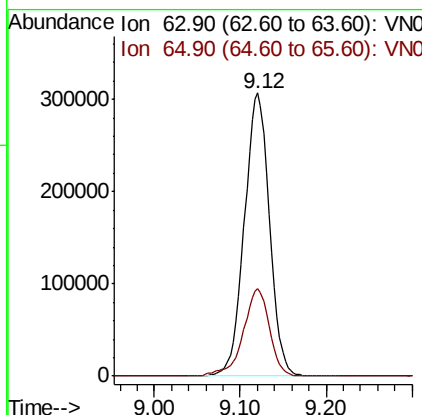
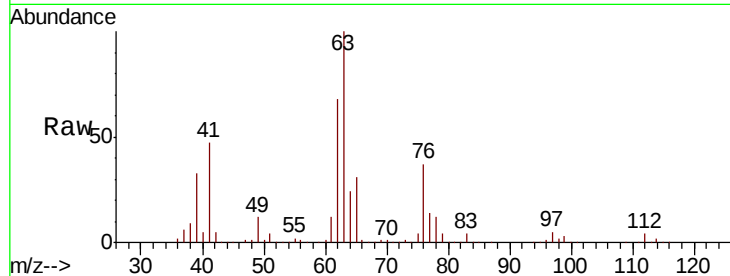




#45
 1,2-Dichloropropane
 Concen: 53.561 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

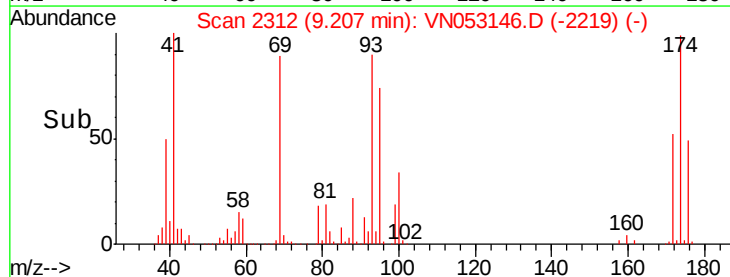
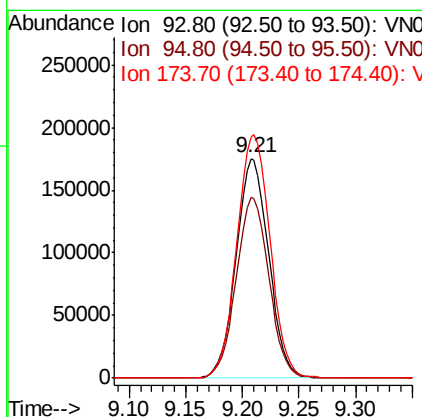
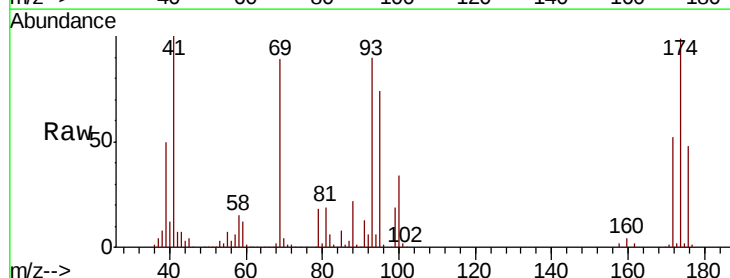
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 621466
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 52.097 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 93 Resp: 352137
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 113.0 89.0 133.4

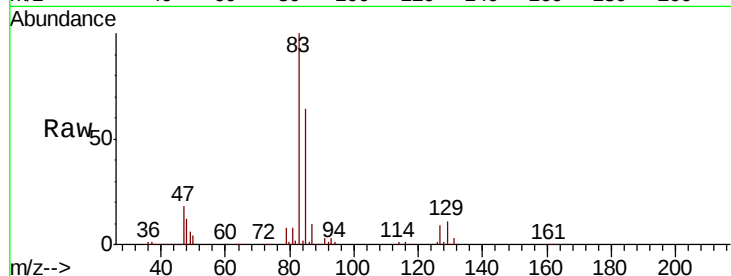




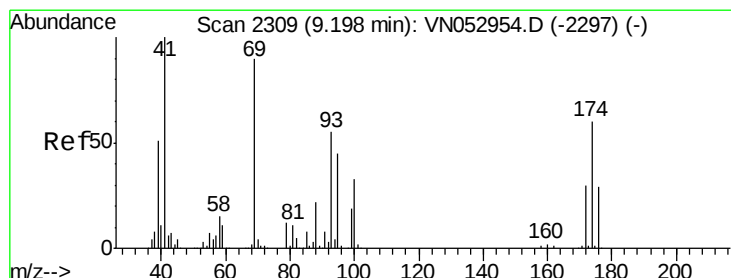
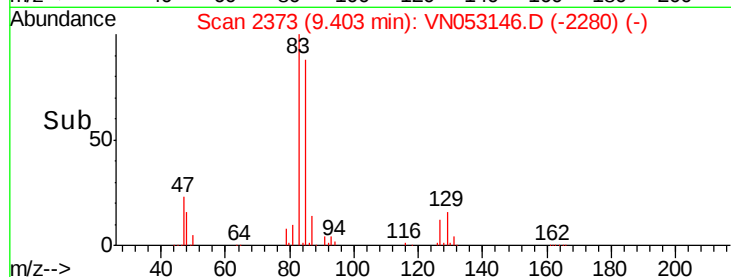
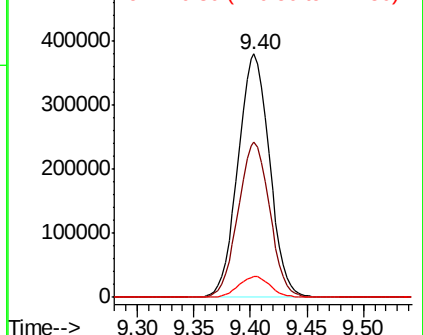
#47
Bromodichloromethane
Concen: 51.508 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	740066
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.6	77.4
127	8.7	7.1	10.7

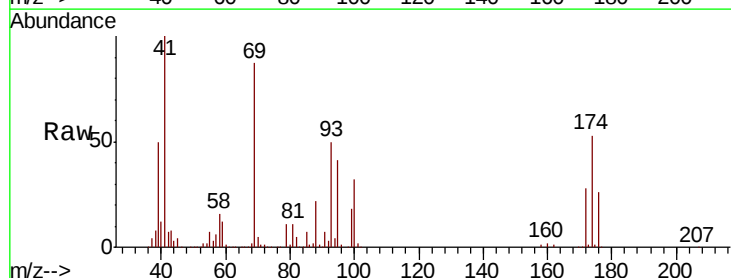


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

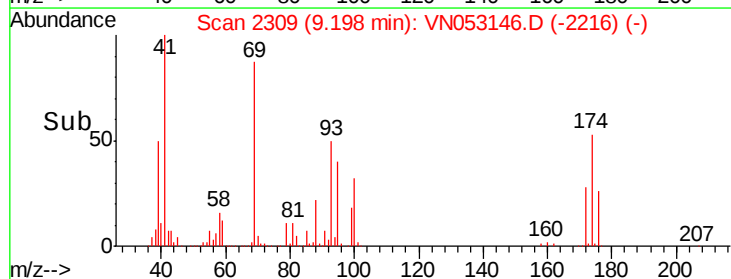
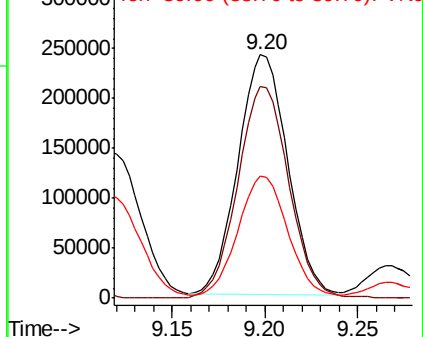


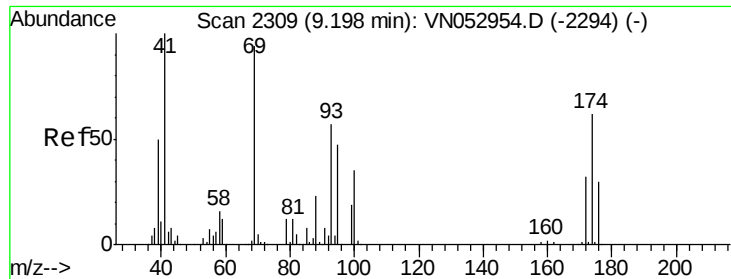
#48
Methyl methacrylate
Concen: 55.204 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion	41	Resp	447856
Ion Ratio	Lower	Upper	
41	100		
69	91.4	72.2	108.2
39	51.7	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

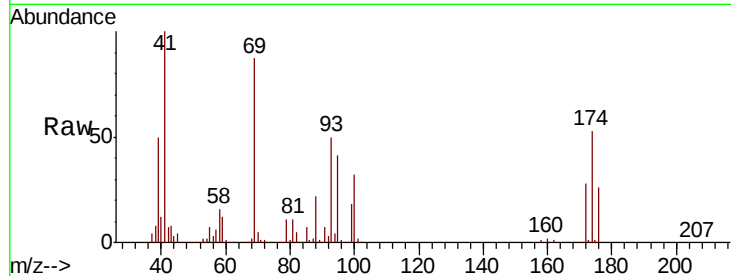




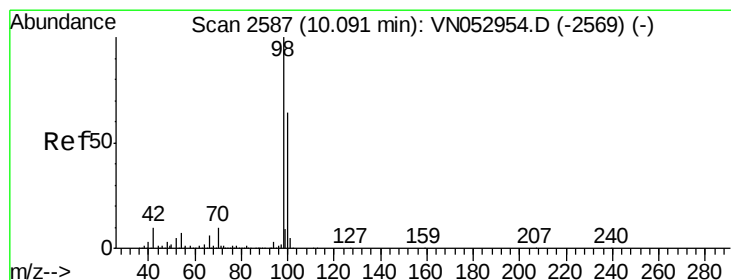
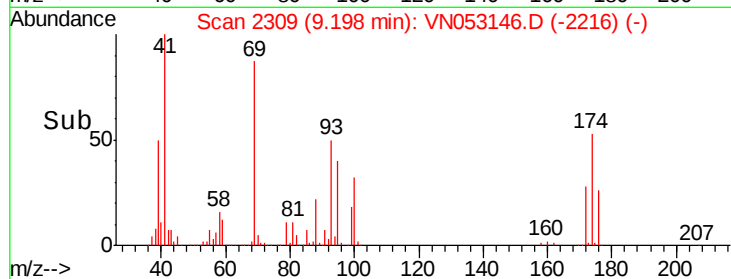
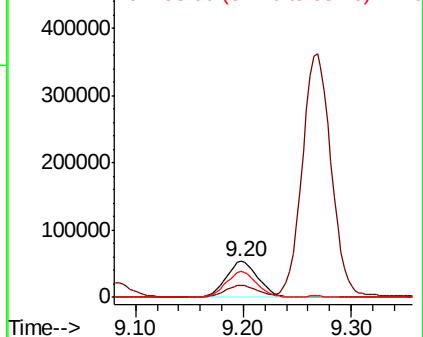
#49
1,4-Dioxane
Concen: 1085.722 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 111419
Ion Ratio Lower Upper
88 100
43 30.3 26.6 40.0
58 68.8 58.4 87.6

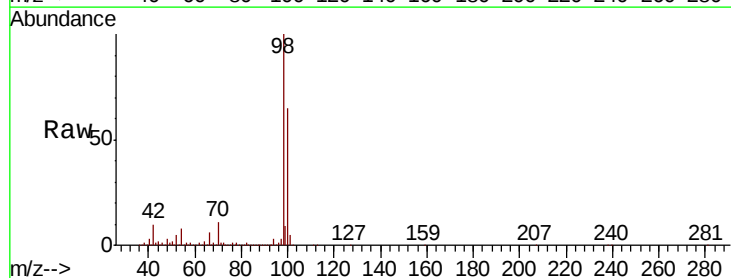


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

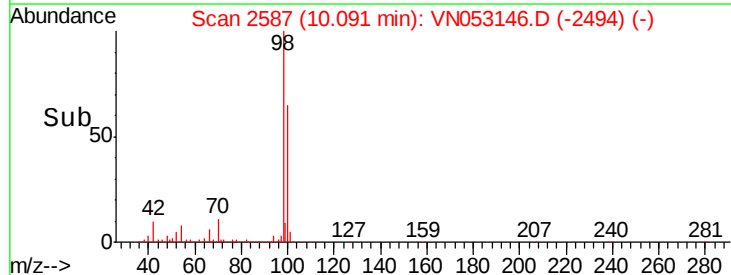
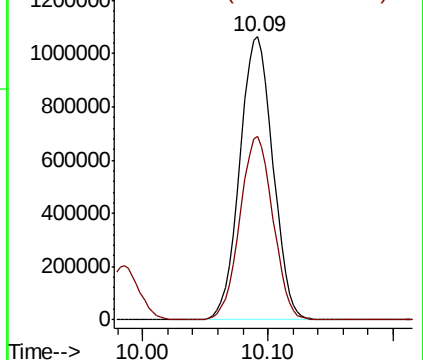


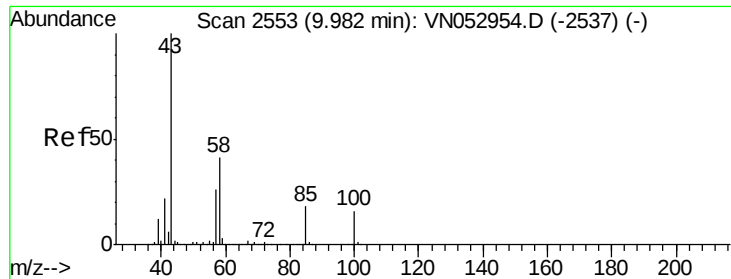
#50
Toluene-d8
Concen: 1085.722 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 98 Resp: 1956374
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 292.926 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

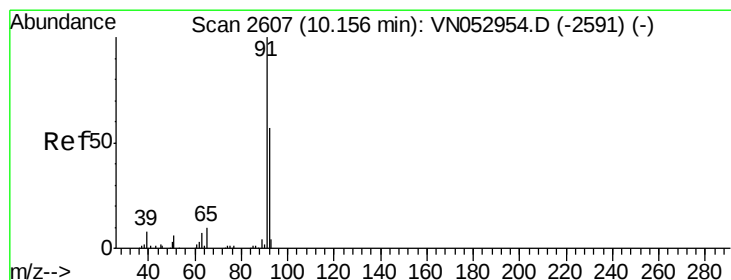
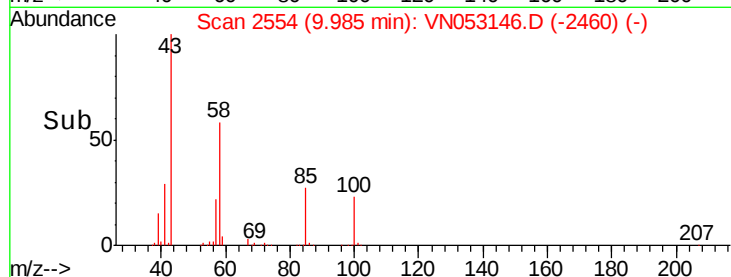
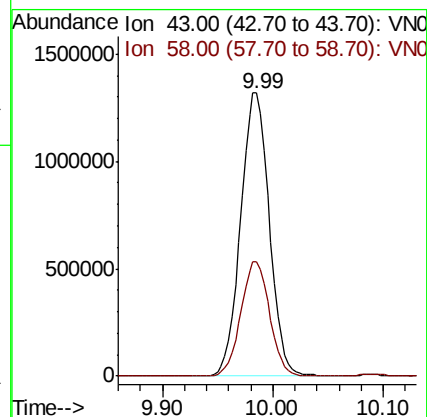
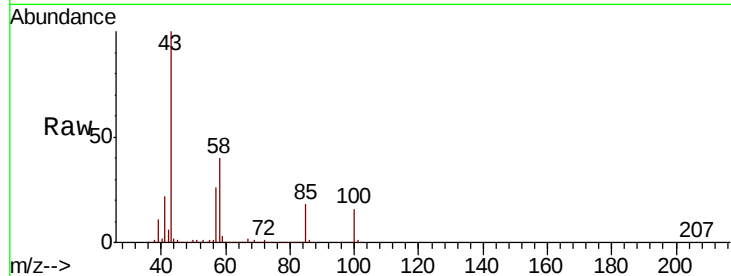
VSTDCCC050EC

Tot Ion: 43 Resp: 2371649

Ion Ratio Lower Upper

43 100

58 40.5 32.2 48.4



#52

Toluene

Concen: 52.705 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053146.D

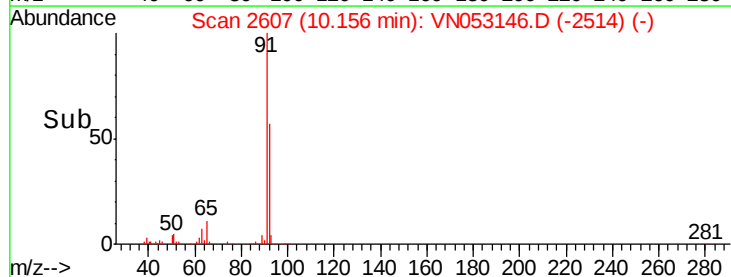
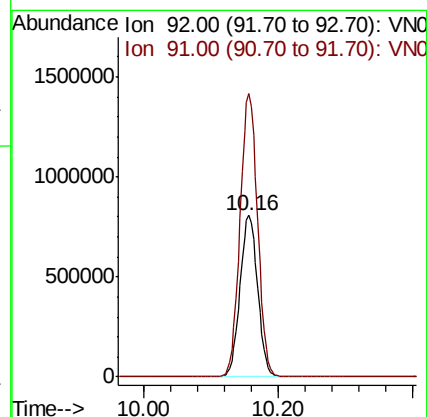
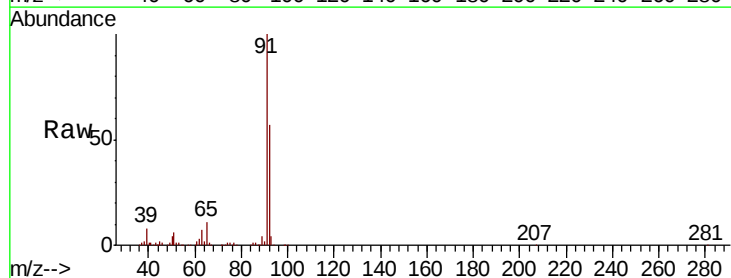
Acq: 22 Dec 2018 21:12

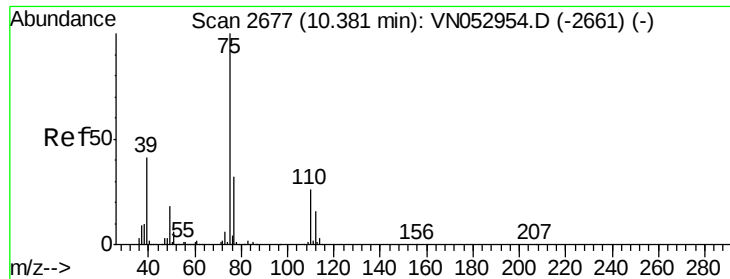
Tgt Ion: 92 Resp: 1455244

Ion Ratio Lower Upper

92 100

91 174.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 49.703 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

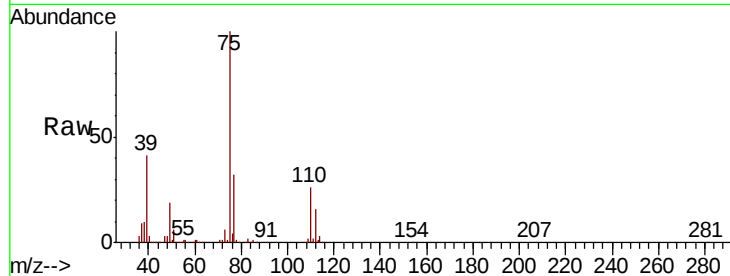
VSTDCCC050EC

Tot Ion: 75 Resp: 750944

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

300000

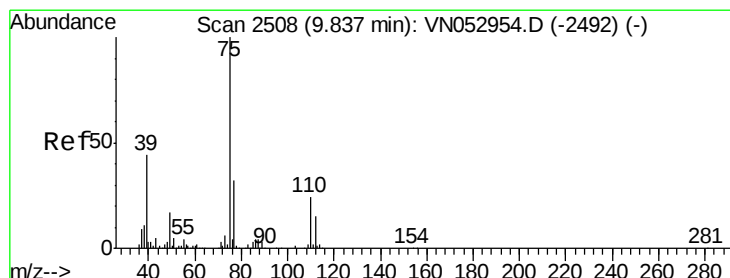
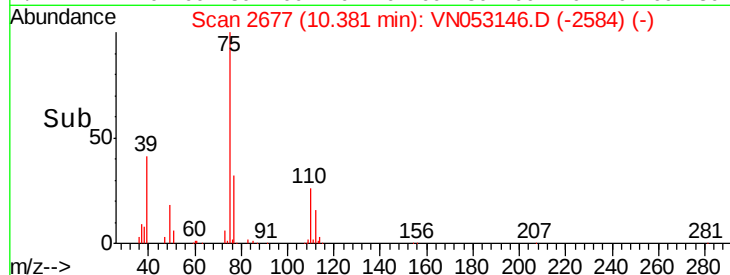
200000

100000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 50.893 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

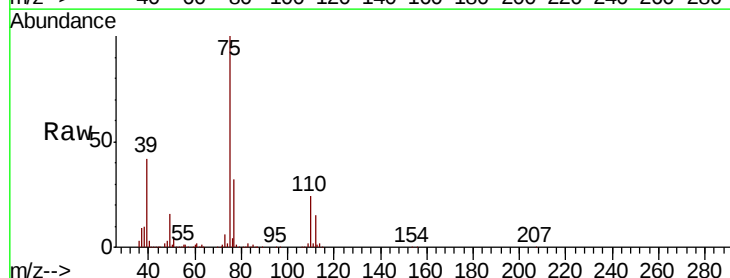
Tgt Ion: 75 Resp: 882582

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 42.4 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

9.84

600000

500000

400000

300000

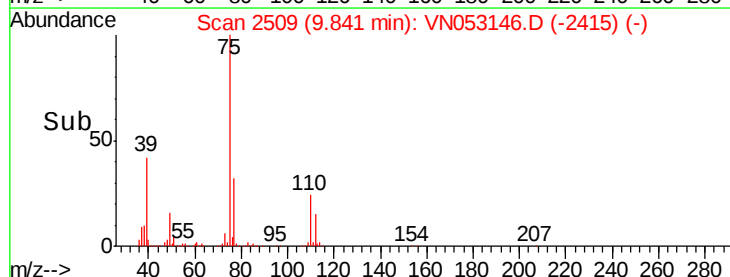
200000

100000

0

Time-->

9.70 9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 53.717 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 517435

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.9	106.3
85	56.2	45.4	68.2
99	62.1	50.4	75.6

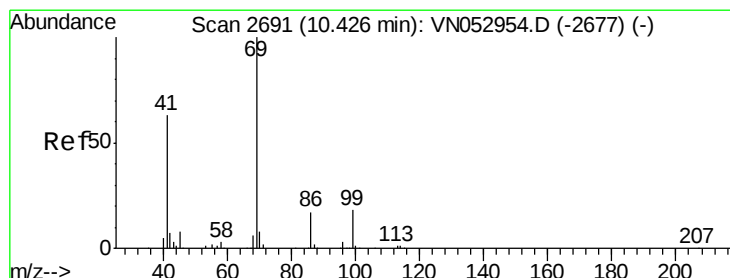
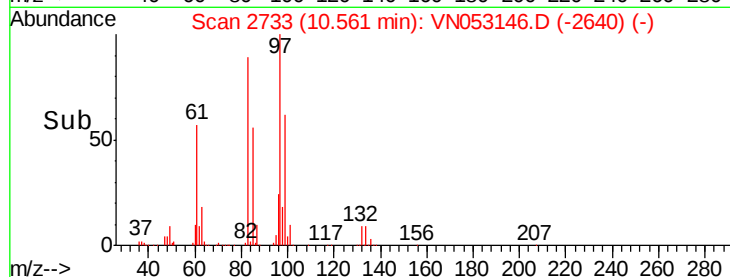
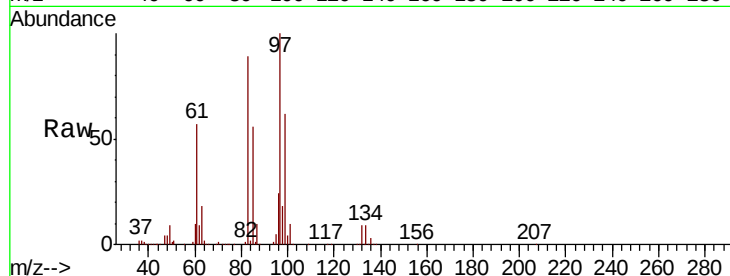
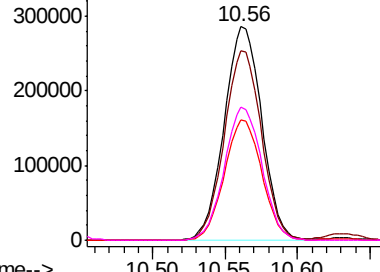
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 55.709 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Tgt Ion: 69 Resp: 710266

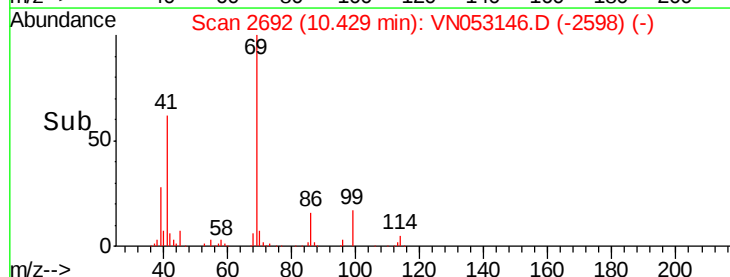
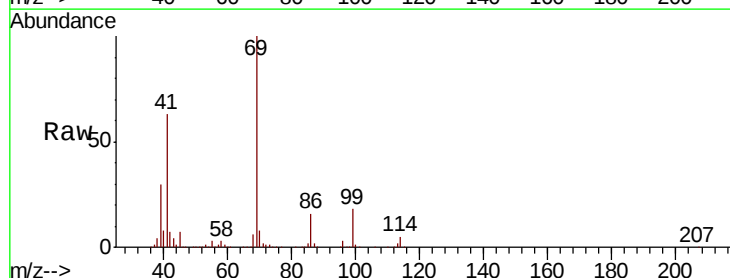
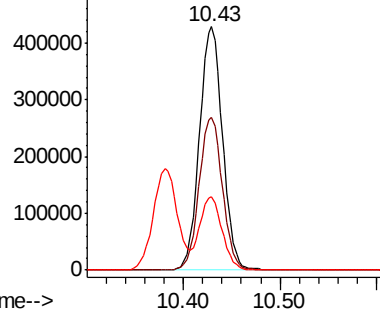
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.7	77.5
39	29.5	24.6	37.0

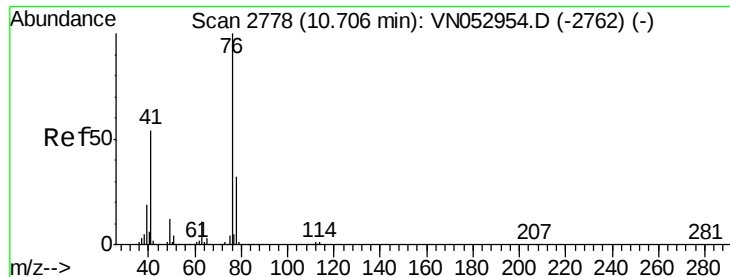
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.952 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

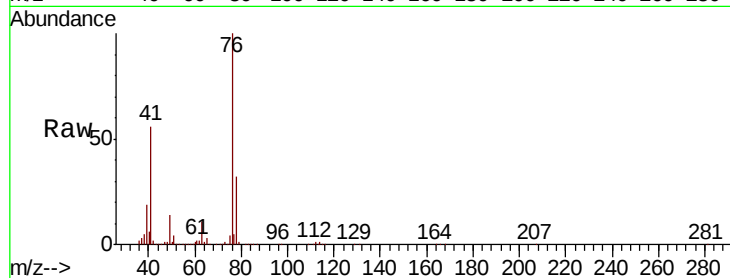
VSTDCCC050EC

Tot Ion: 76 Resp: 891195

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

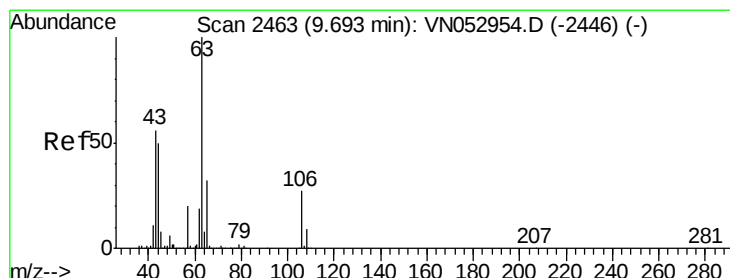
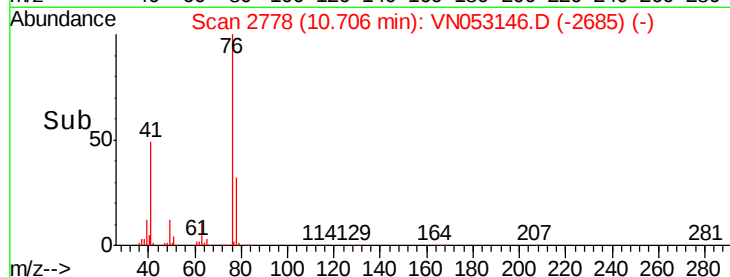
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 274.146 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053146.D

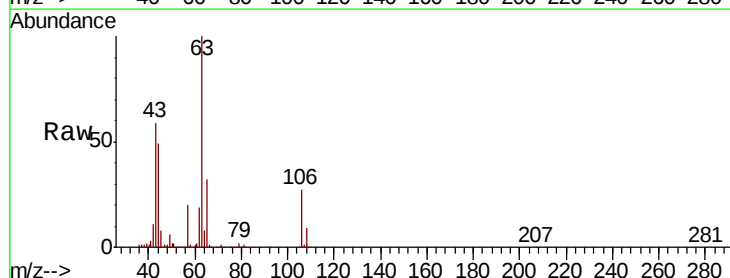
Acq: 22 Dec 2018 21:12

Tgt Ion: 63 Resp: 1918893

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

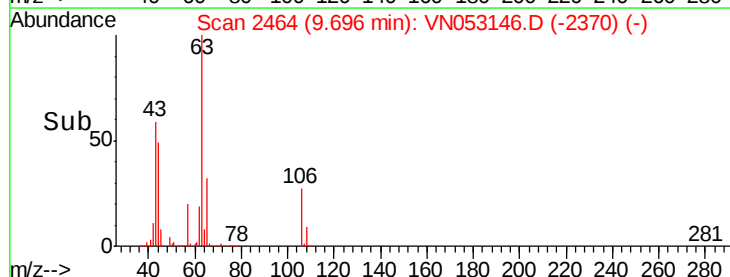
600000

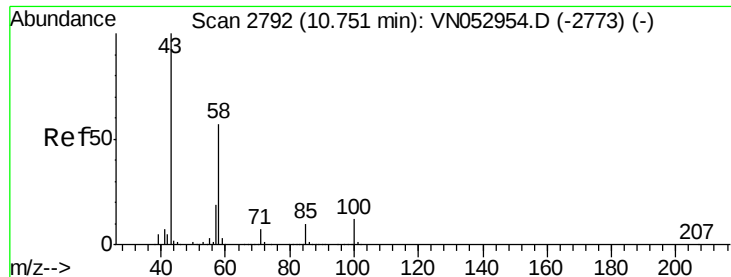
400000

200000

0

Time--> 9.60 9.70 9.80

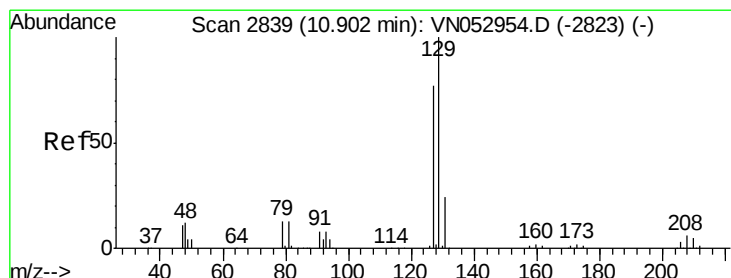
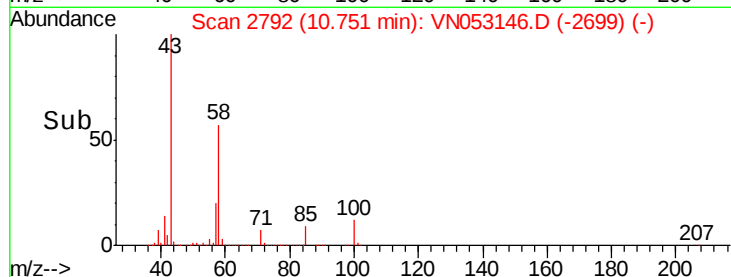
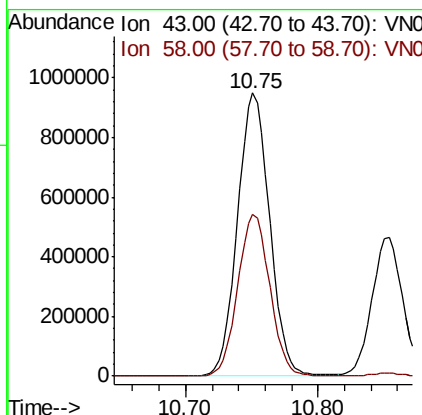
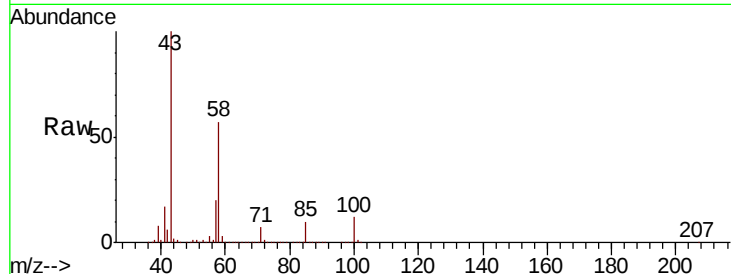




#59
2-Hexanone
Concen: 291.616 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

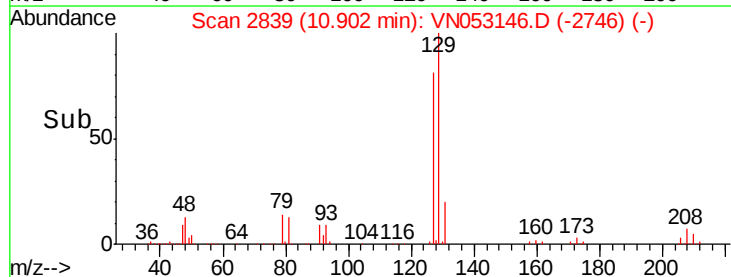
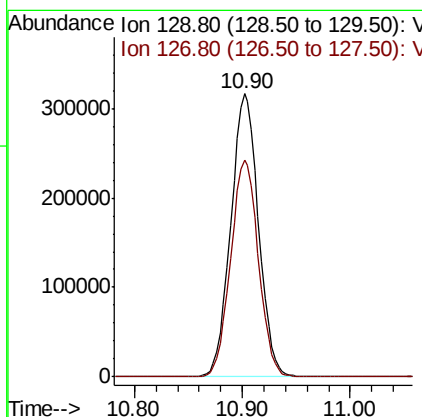
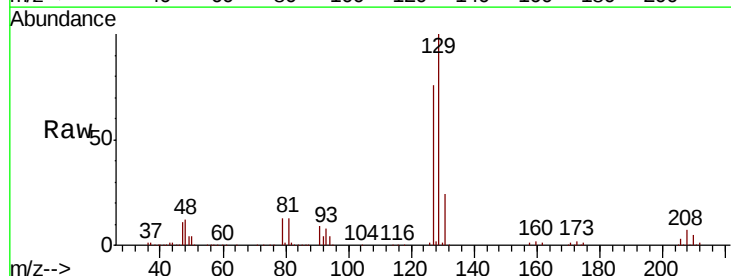
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

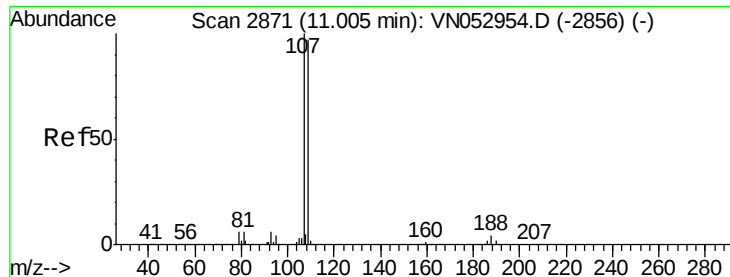
Tot Ion: 43 Resp: 1597440
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3



#60
Dibromochloromethane
Concen: 51.183 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 129 Resp: 564349
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

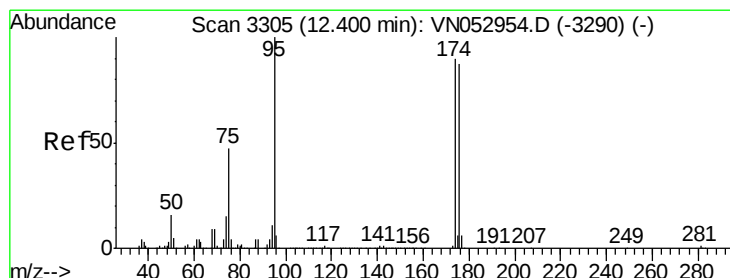
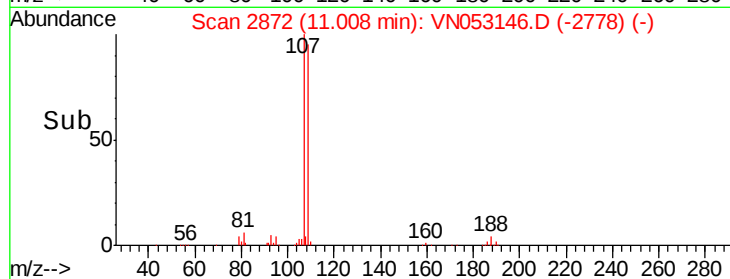
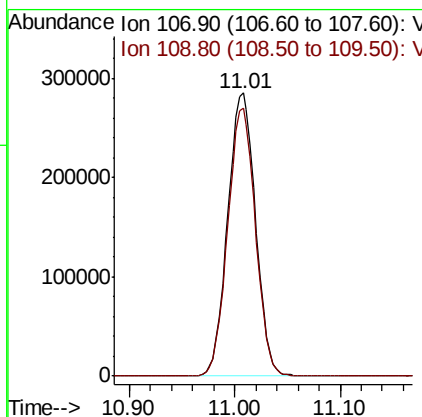
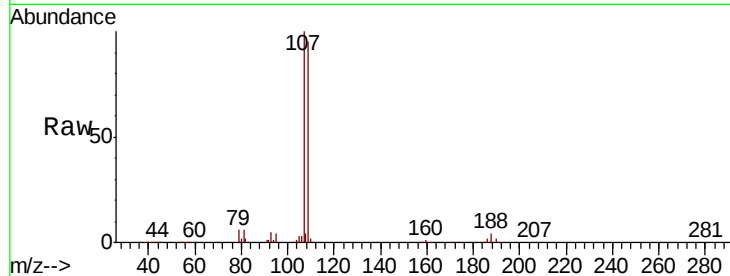




#61
 1,2-Dibromoethane
 Concen: 52.992 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

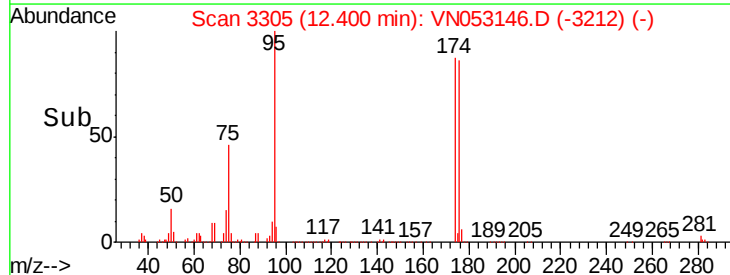
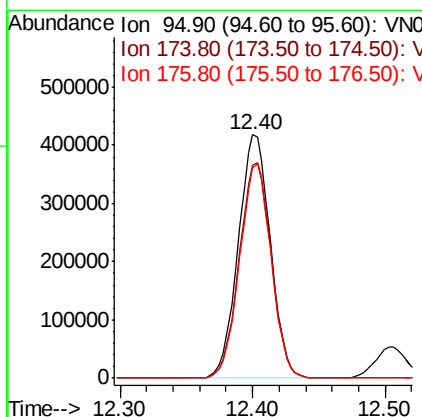
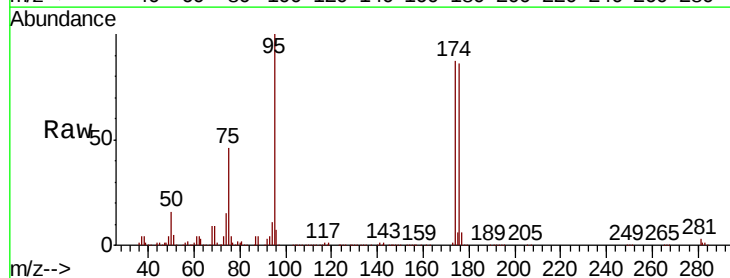
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

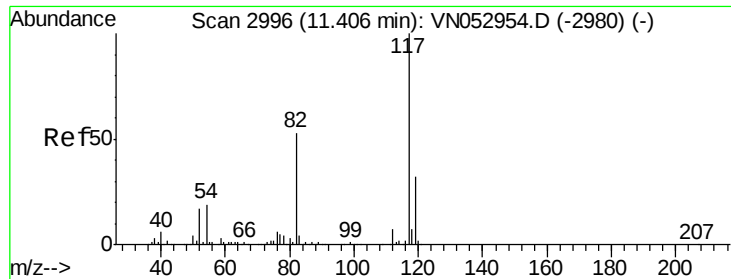
Tot Ion: 107 Resp: 518421
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.992 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 95 Resp: 698839
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.8
 176 86.6 0.0 173.8

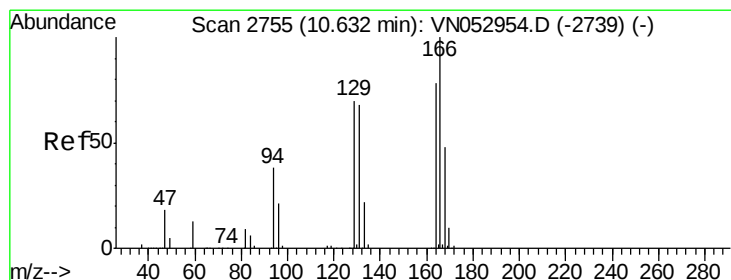
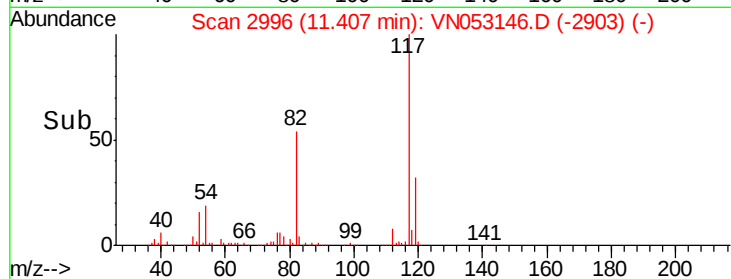
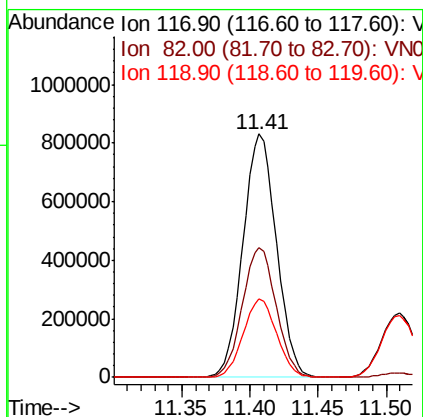
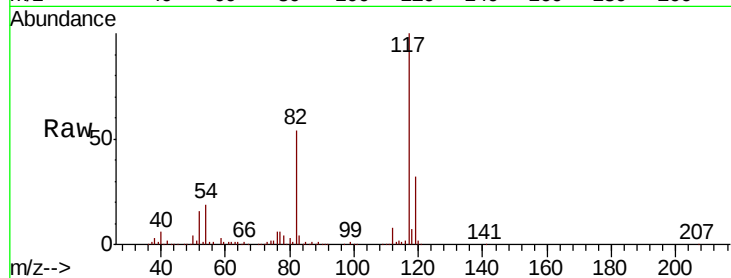




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

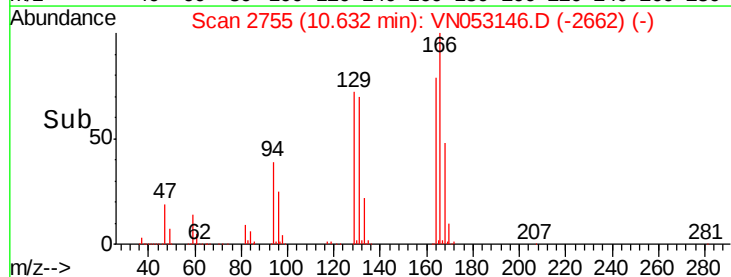
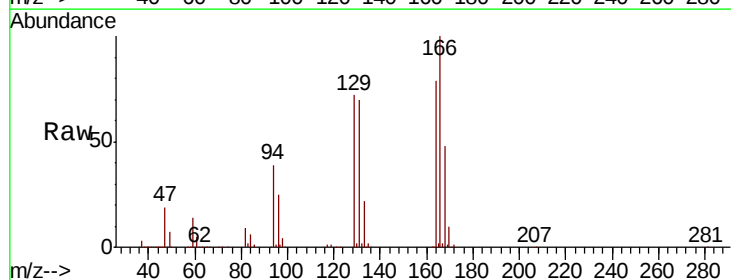
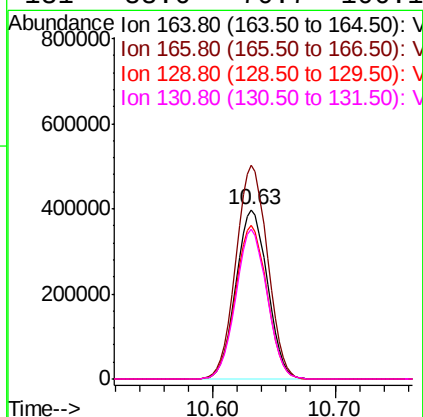
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

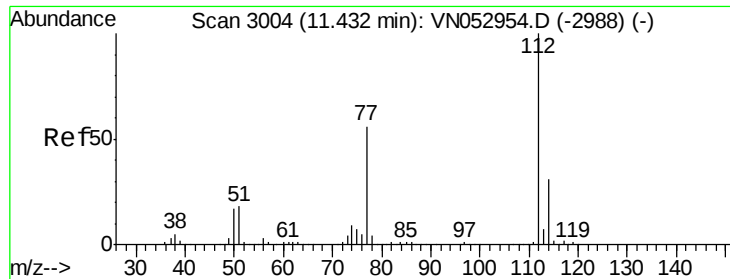
Tot Ion:117 Resp: 1413552
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 46.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion:164 Resp: 711622
Ion Ratio Lower Upper
164 100
166 126.3 102.9 154.3
129 90.7 73.7 110.5
131 88.6 70.7 106.1

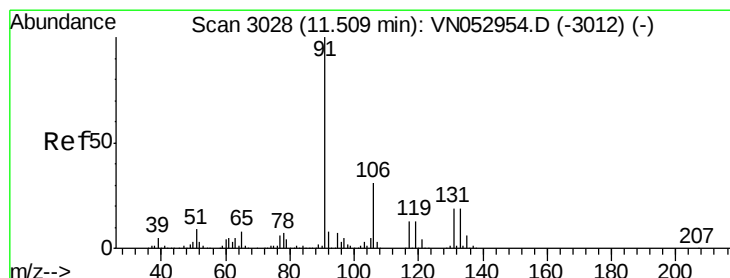
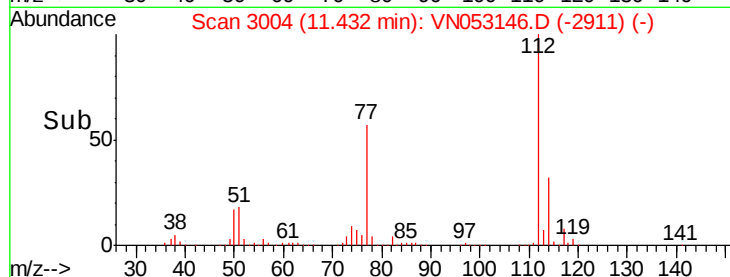
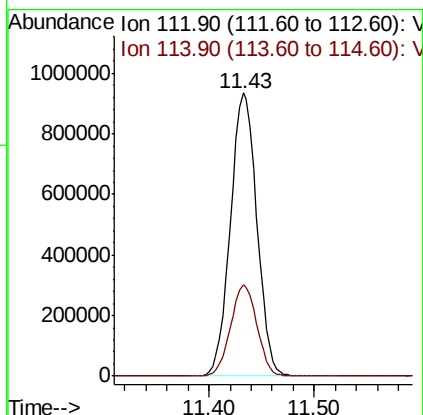
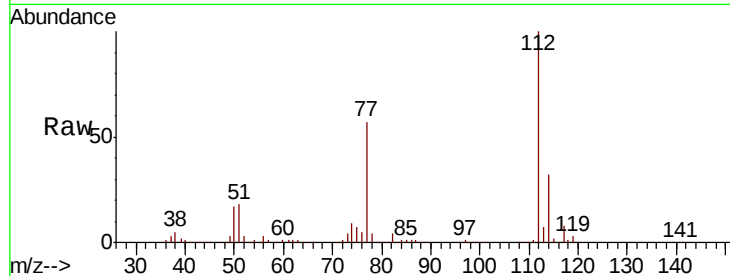




#65
Chlorobenzene
Concen: 51.614 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

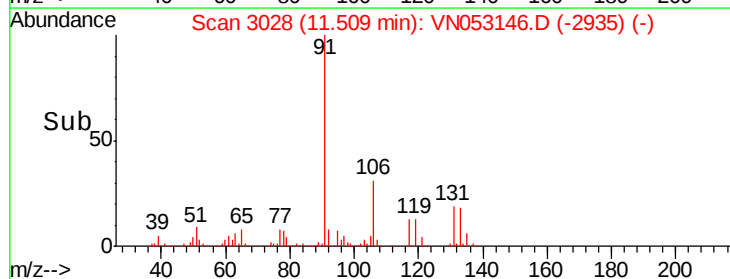
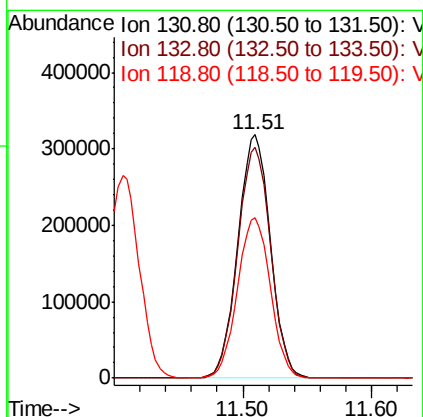
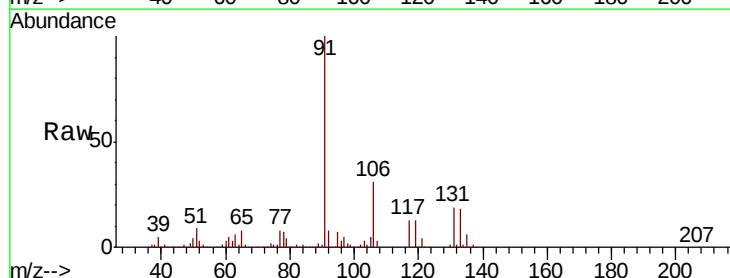
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

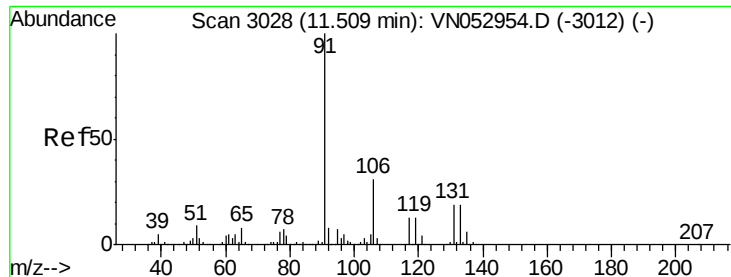
Tot Ion:112 Resp: 1617307
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.317 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion:131 Resp: 559172
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.6 33.3 99.8

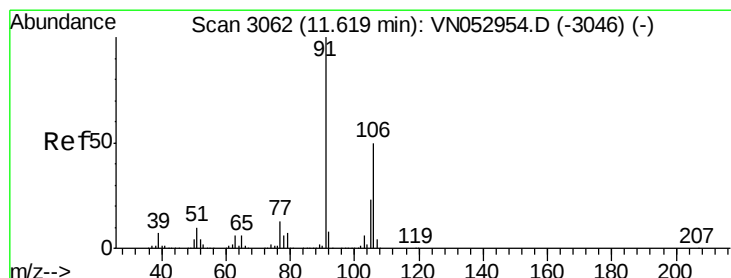
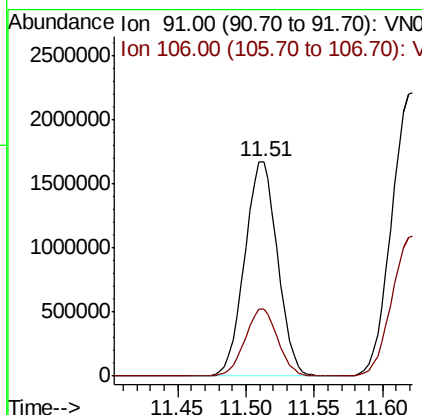
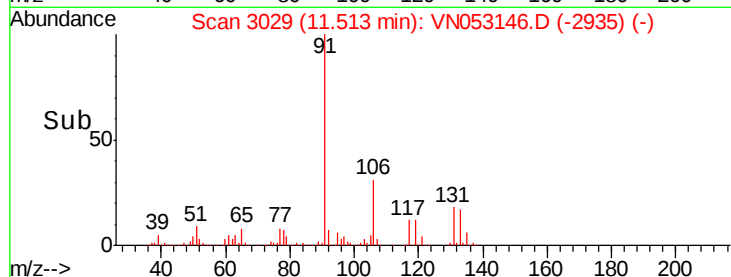
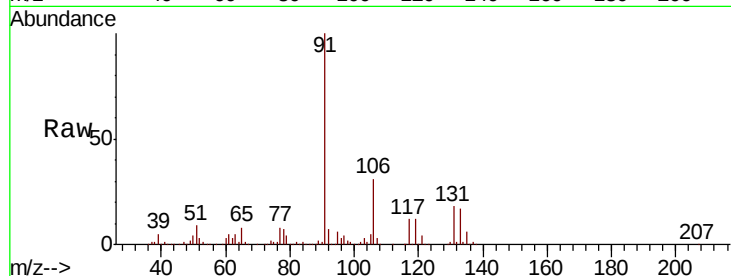




#67
Ethyl Benzene
Concen: 51.904 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

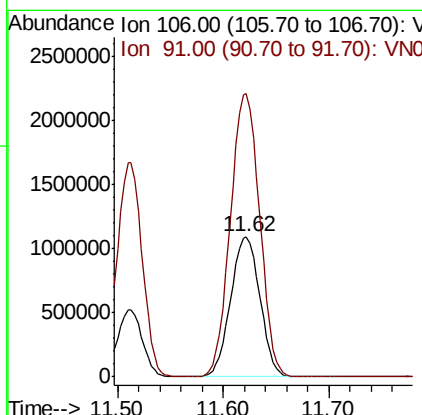
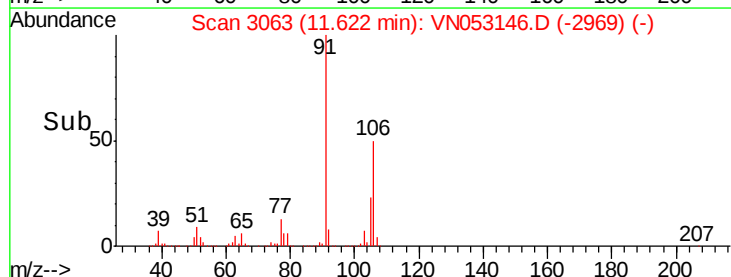
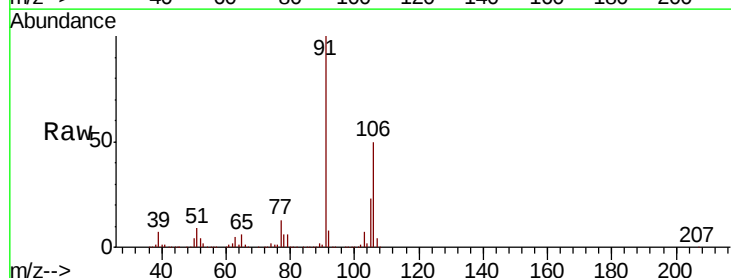
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

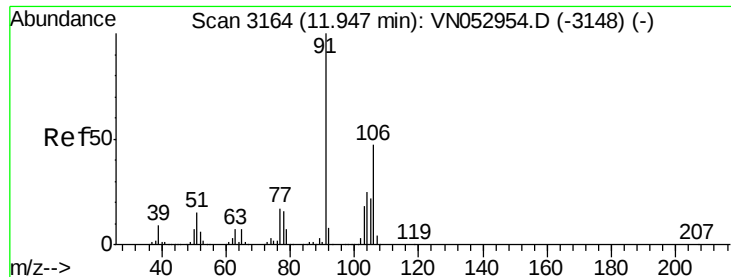
Tot Ion: 91 Resp: 2796976
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 102.700 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion: 106 Resp: 2103861
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4

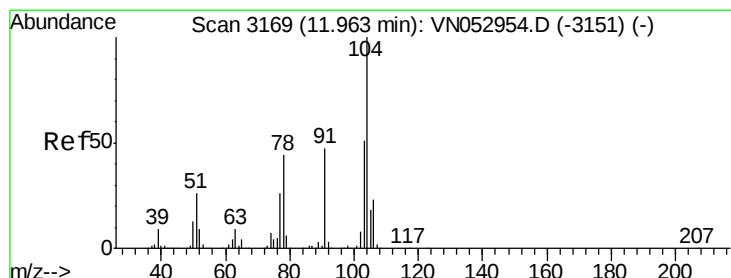
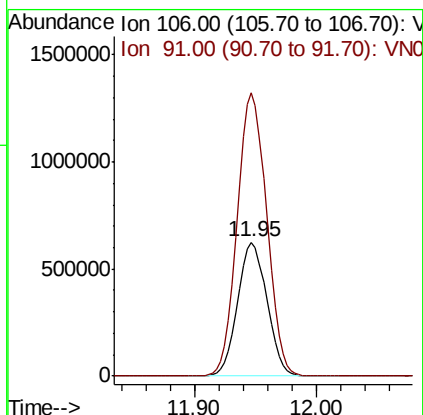
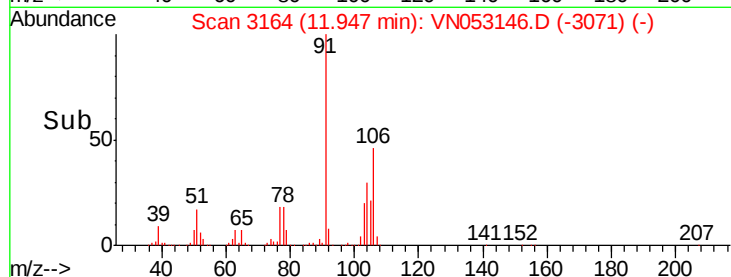
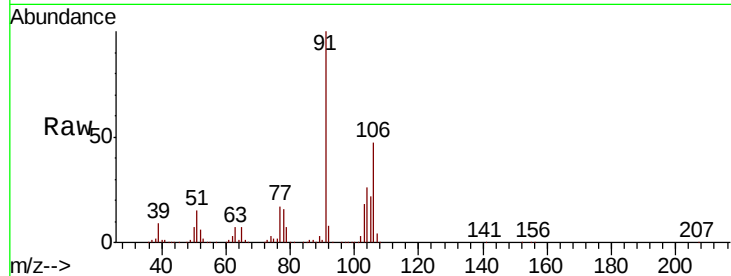




#69
o-Xylene
Concen: 52.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

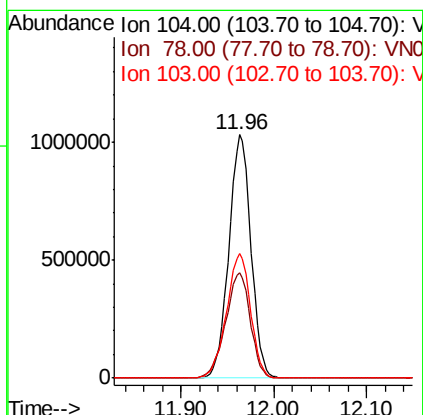
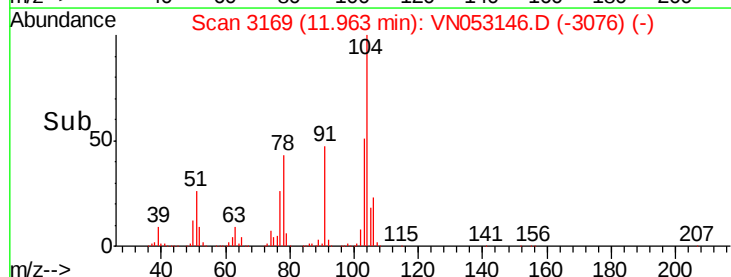
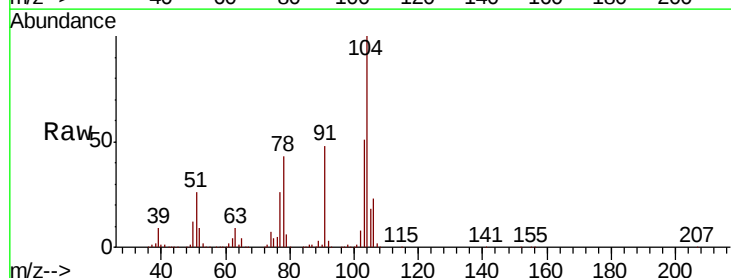
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

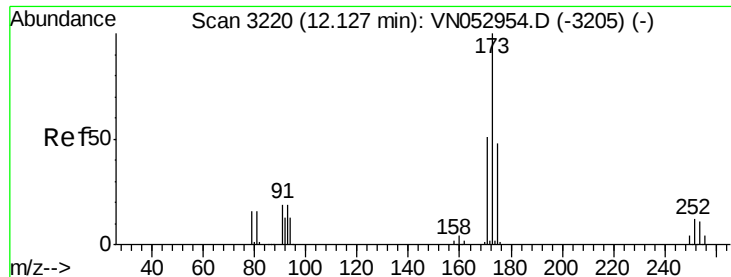
Tot Ion:106 Resp: 1037598
Ion Ratio Lower Upper
106 100
91 212.5 106.6 319.8



#70
Styrene
Concen: 53.125 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053146.D
Acq: 22 Dec 2018 21:12

Tgt Ion:104 Resp: 1702861
Ion Ratio Lower Upper
104 100
78 48.4 38.9 58.3
103 55.7 44.3 66.5





#71

Bromoform

Concen: 49.127 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

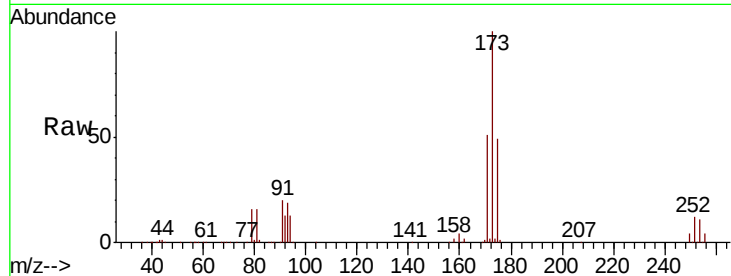
Tot Ion:173 Resp: 386714

Ion Ratio Lower Upper

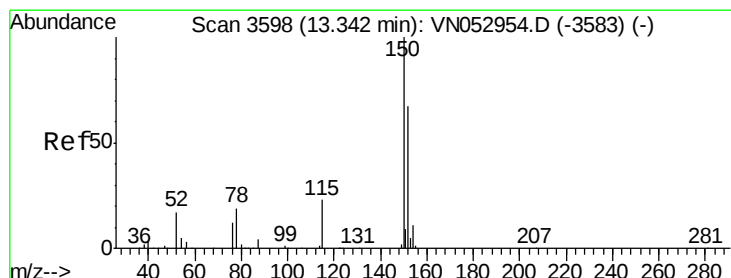
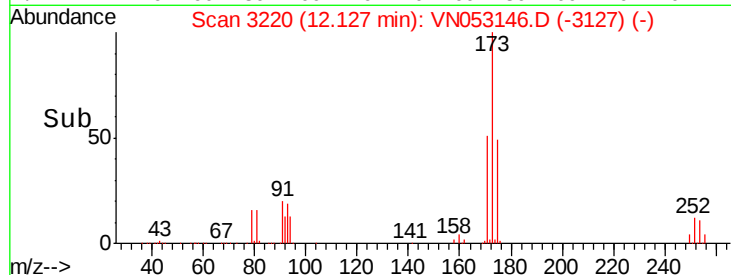
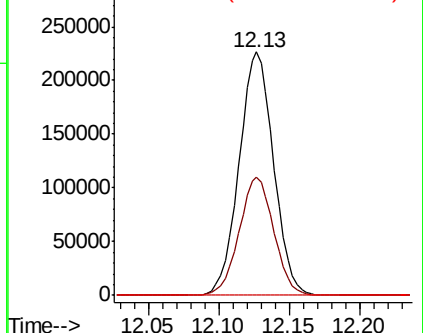
173 100

175 48.8 24.3 72.9

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

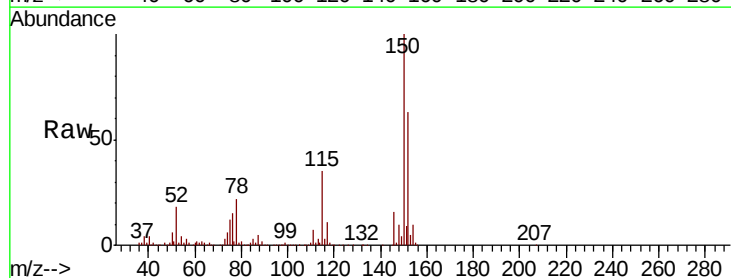
Tgt Ion:152 Resp: 641651

Ion Ratio Lower Upper

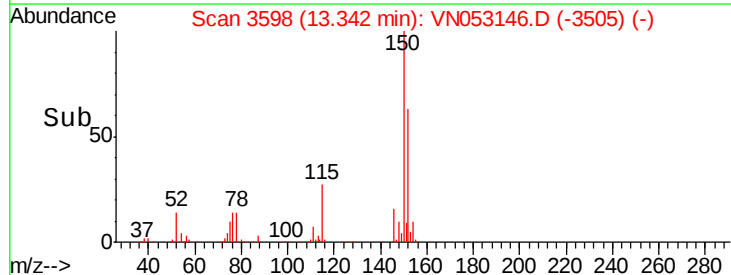
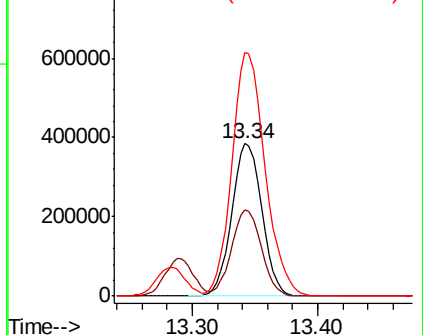
152 100

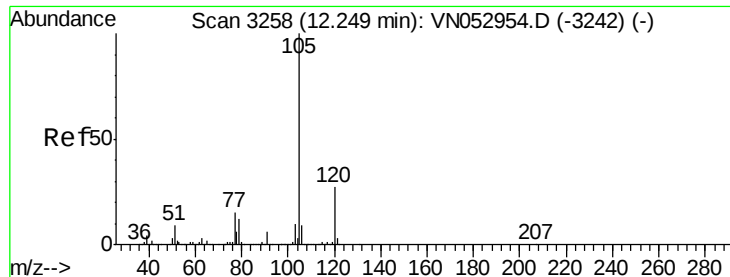
115 56.2 28.3 85.0

150 175.6 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: 54.231 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

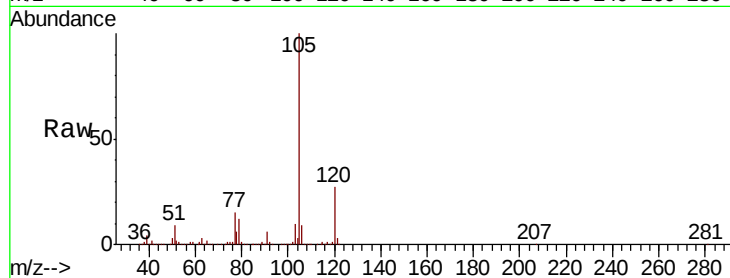
VSTDCCC050EC

Tot Ion:105 Resp: 2722574

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

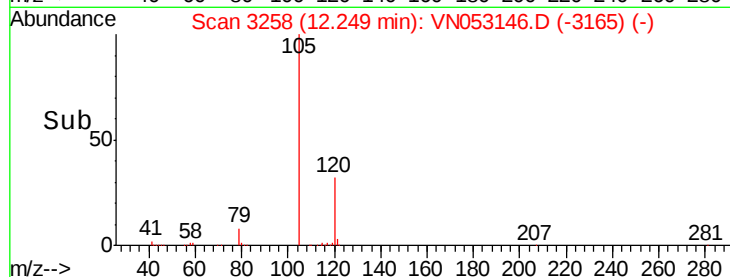
1500000

1000000

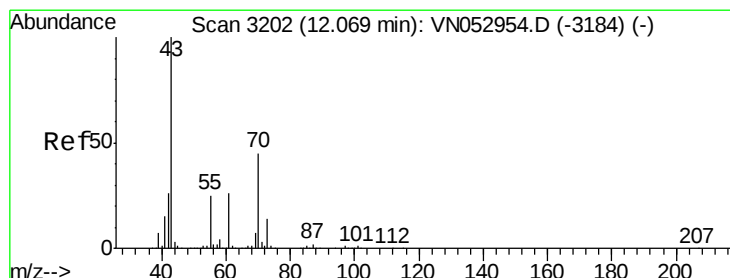
500000

0

12.20 12.25 12.30



Time-->



#74

N-ethyl acetate

Concen: 57.870 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Tgt Ion: 43 Resp: 806617

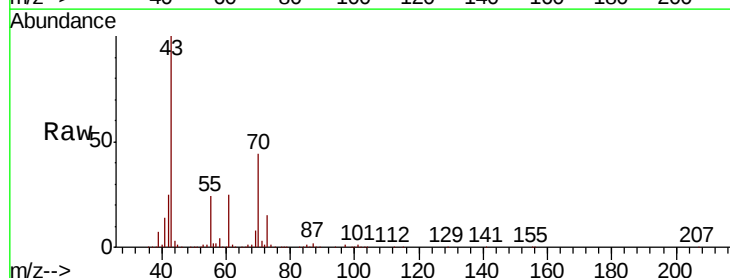
Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 24.6 20.3 30.5

61 25.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

800000 Ion 70.00 (69.70 to 70.70): V

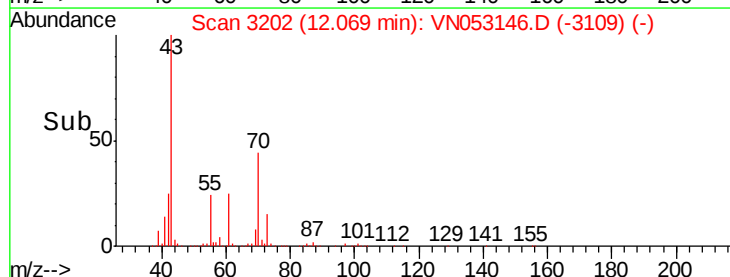
600000 Ion 55.00 (54.70 to 55.70): V

400000 Ion 61.00 (60.70 to 61.70): V

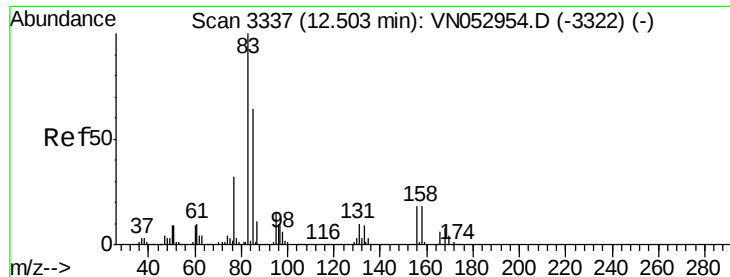
200000

0

12.00 12.07 12.20



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 60.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

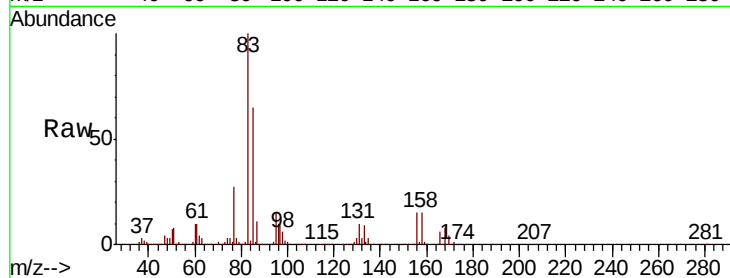
Tot Ion: 83 Resp: 596572

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

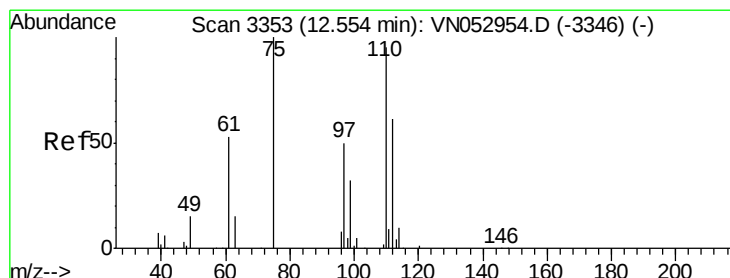
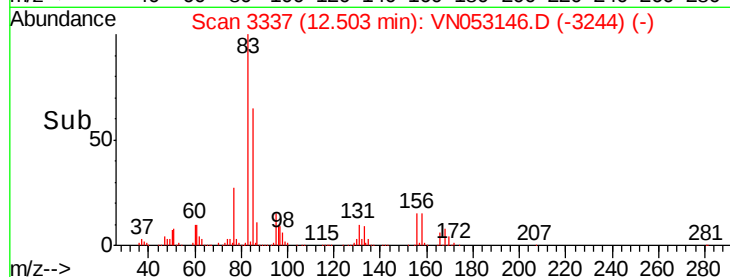
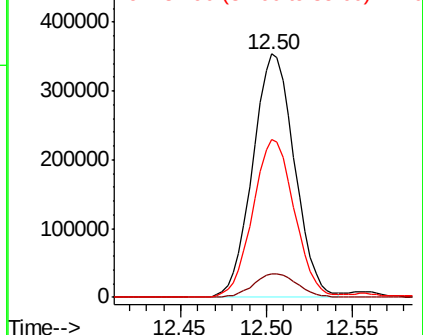
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053146.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053146.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053146.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 73.191 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053146.D

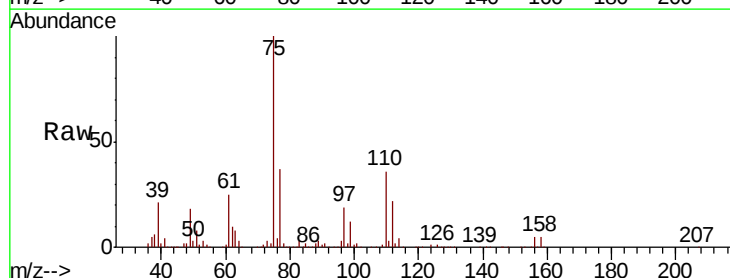
Acq: 22 Dec 2018 21:12

Tgt Ion: 75 Resp: 790575

Ion Ratio Lower Upper

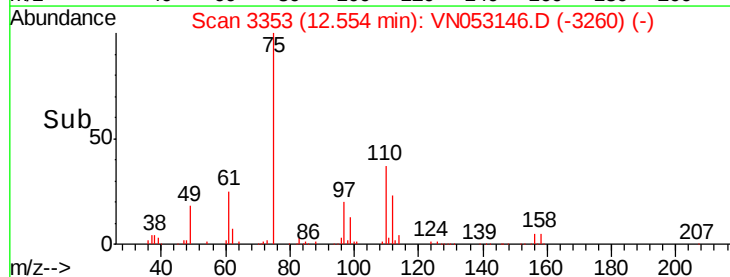
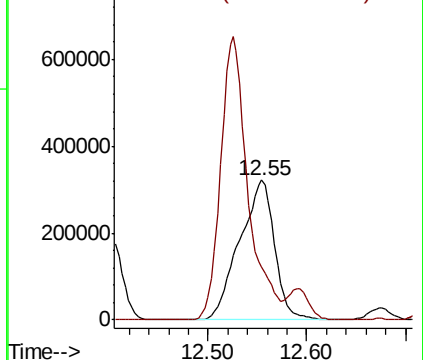
75 100

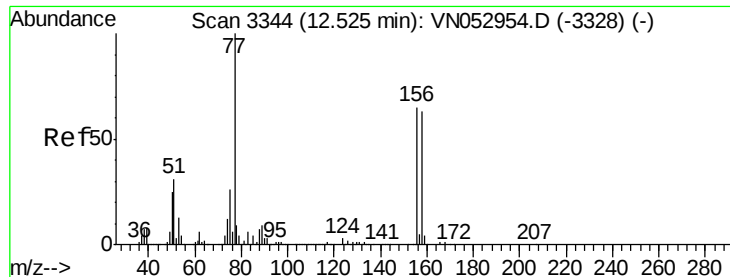
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053146.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053146.D (-3260) (-)





#77

Bromobenzene

Concen: 54.305 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

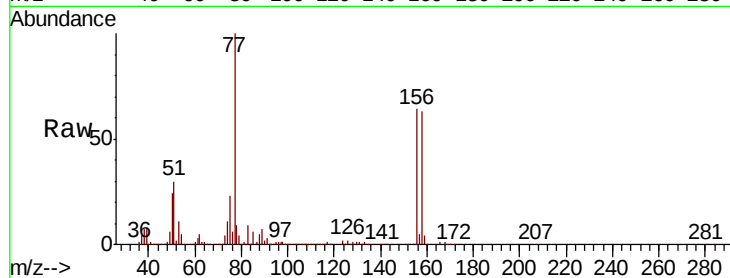
Tot Ion:156 Resp: 708685

Ion Ratio Lower Upper

156 100

77 178.6 91.3 273.8

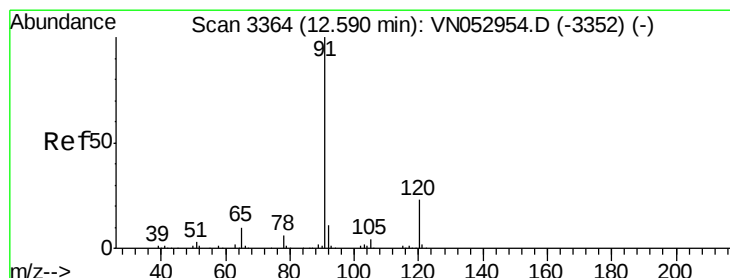
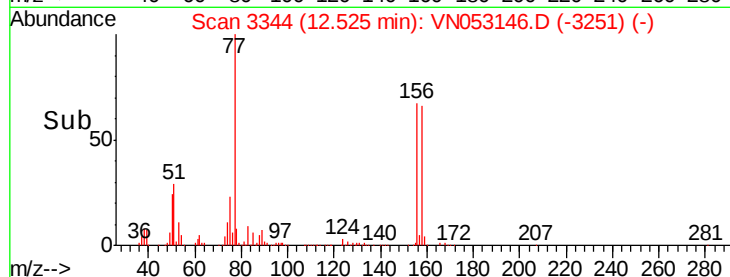
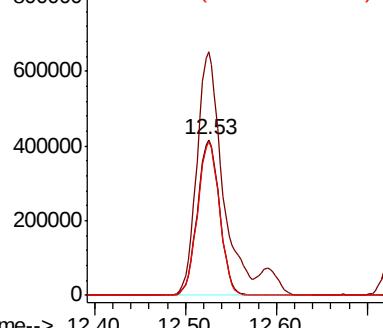
158 97.4 49.0 147.2



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: 53.042 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053146.D

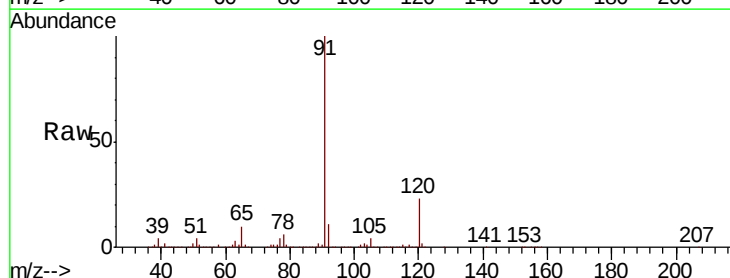
Acq: 22 Dec 2018 21:12

Tgt Ion: 91 Resp: 3032816

Ion Ratio Lower Upper

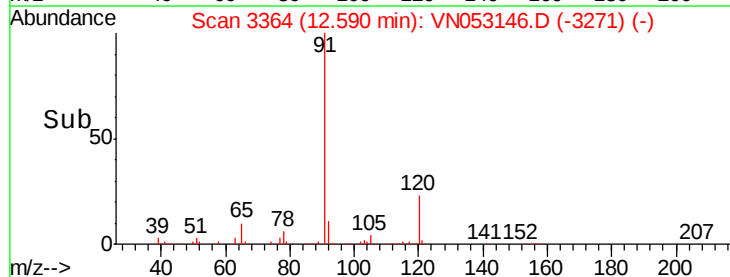
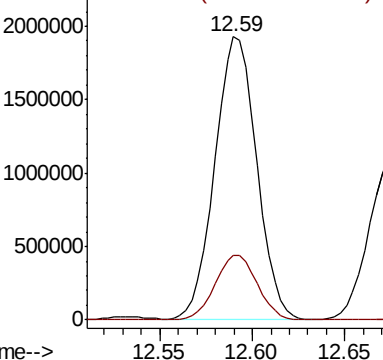
91 100

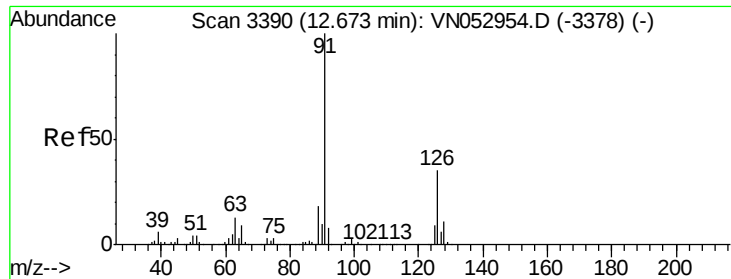
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

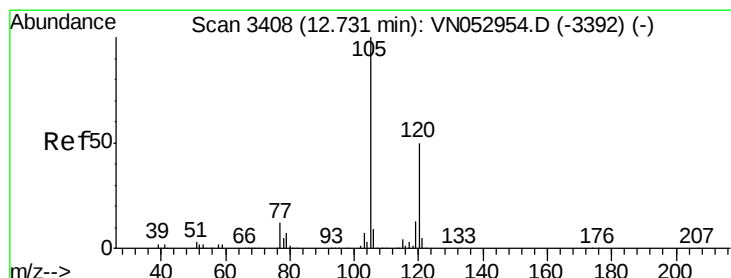
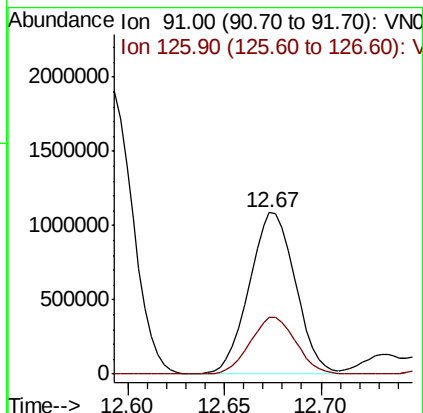
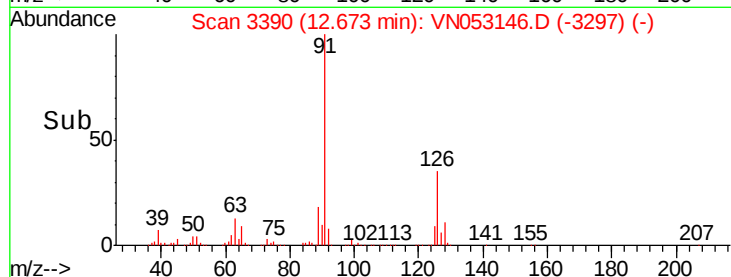
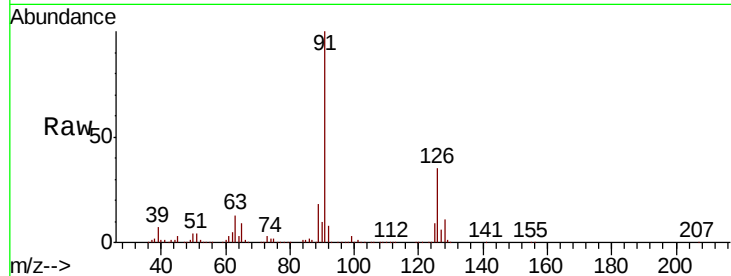
VSTDCCC050EC

Tot Ion: 91 Resp: 1813032

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 51.745 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053146.D

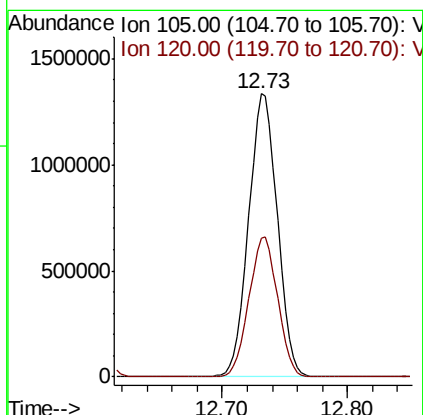
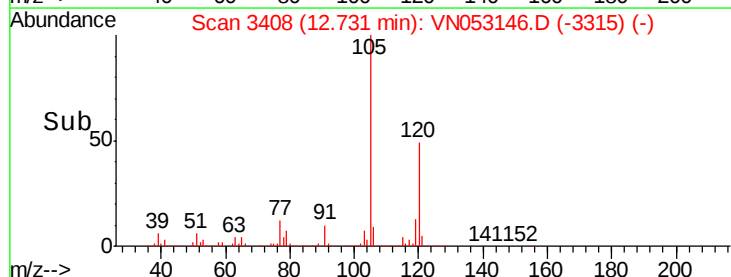
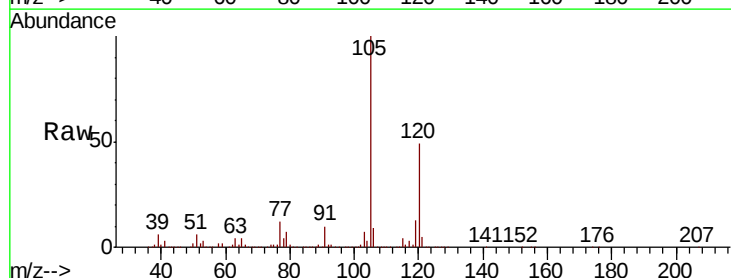
Acq: 22 Dec 2018 21:12

Tgt Ion: 105 Resp: 2117423

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.598 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

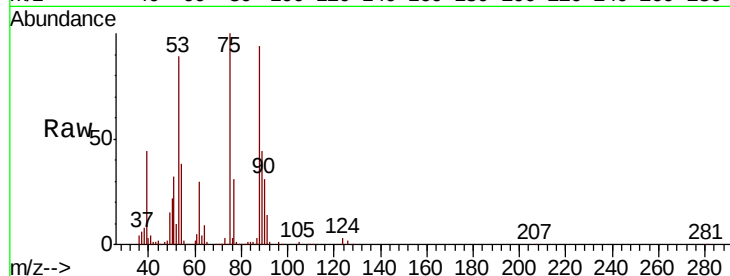
Tot Ion: 75 Resp: 166217

Ion Ratio Lower Upper

75 100

53 92.4 74.7 112.1

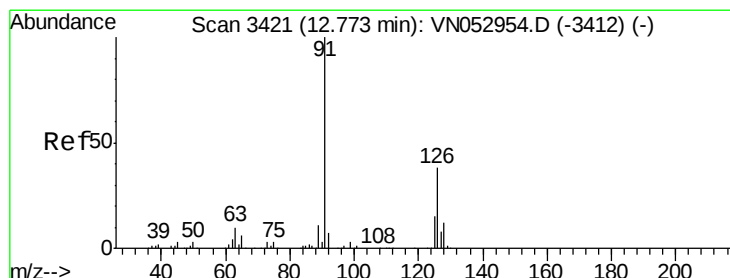
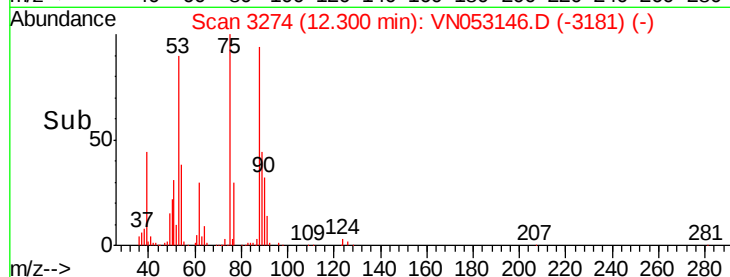
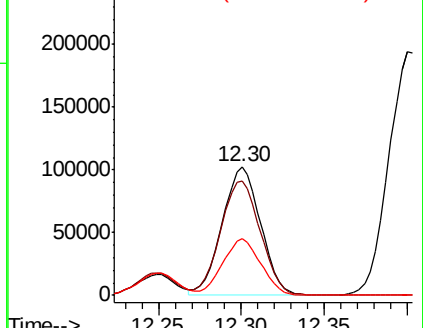
89 43.7 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.949 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053146.D

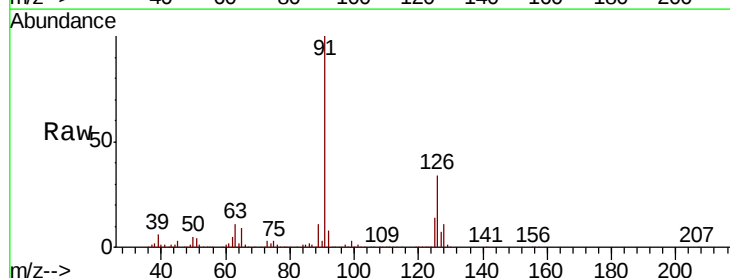
Acq: 22 Dec 2018 21:12

Tgt Ion: 91 Resp: 1836994

Ion Ratio Lower Upper

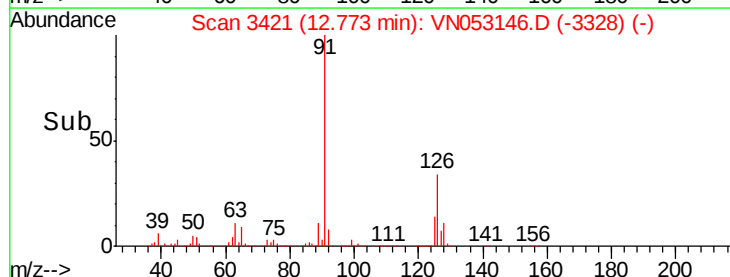
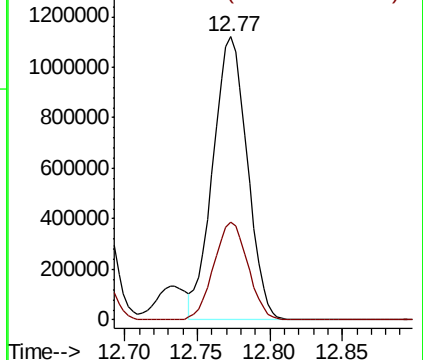
91 100

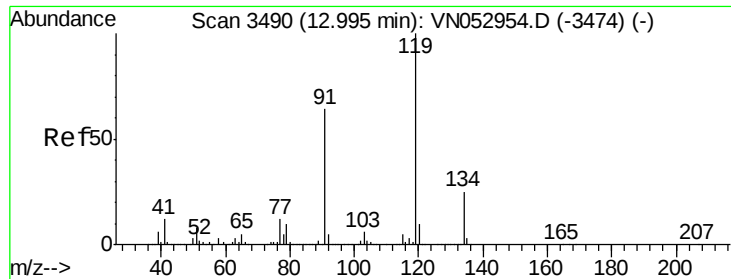
126 34.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

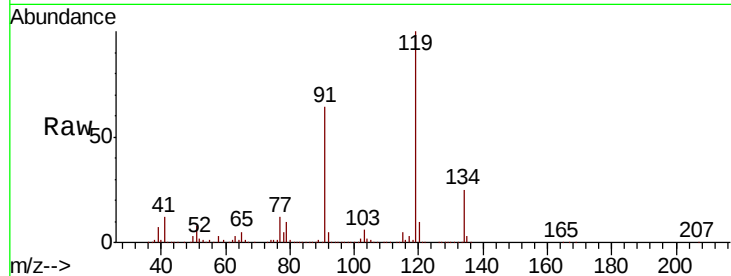




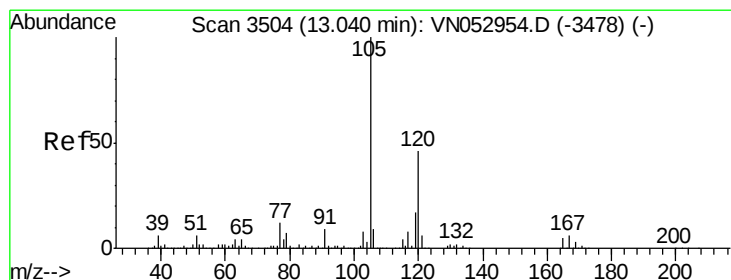
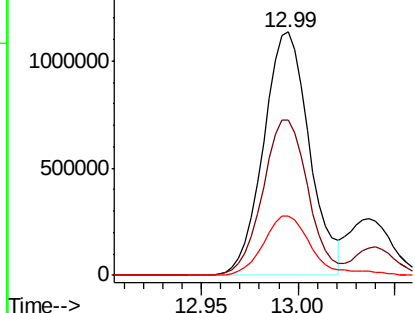
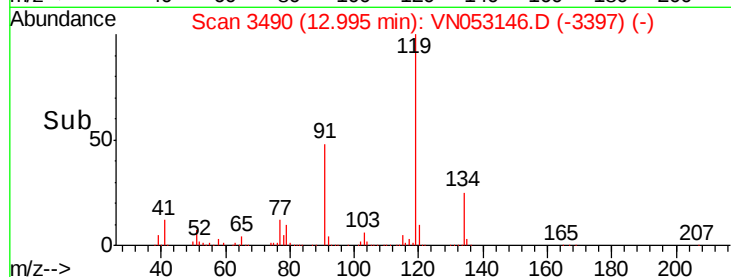
#83
 tert-Butylbenzene
 Concen: 51.660 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1869586
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 25.7 12.8 38.4

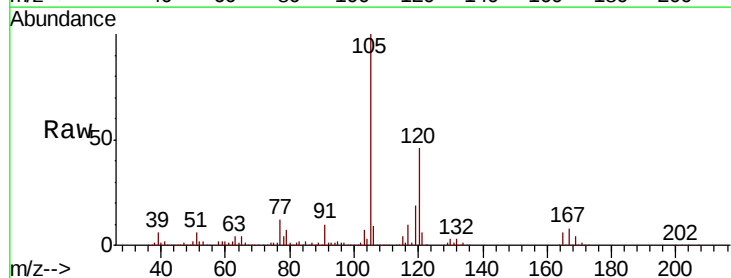


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

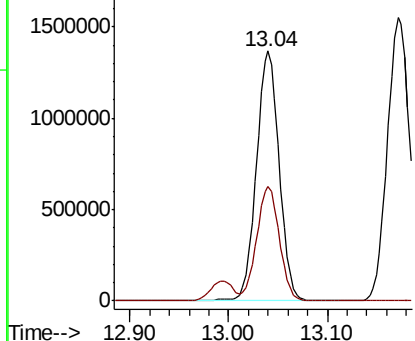
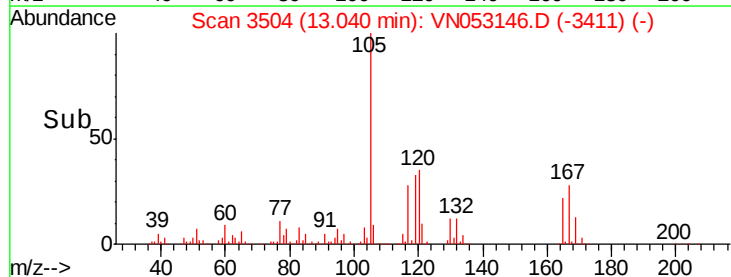


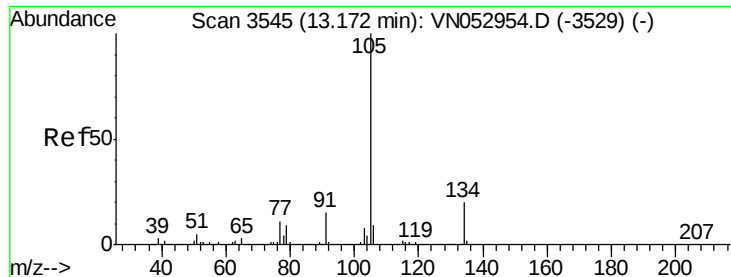
#84
 1,2,4-Trimethylbenzene
 Concen: 52.506 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion:105 Resp: 2159891
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8



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

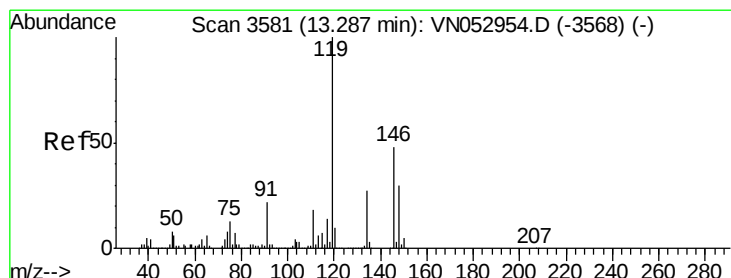
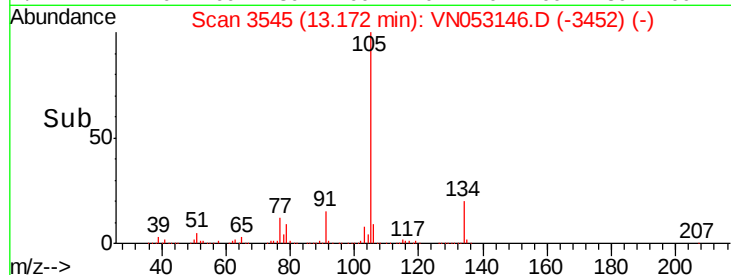
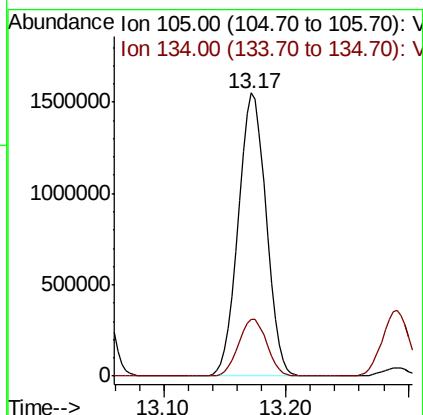
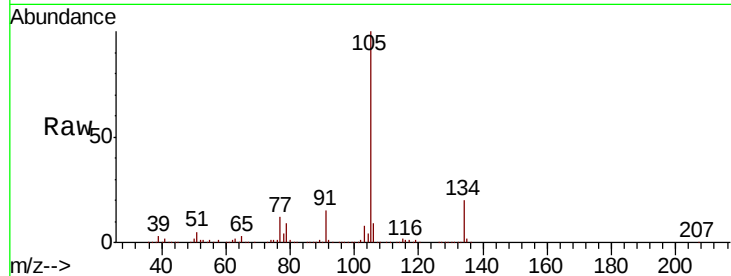




#85
 sec-Butylbenzene
 Concen: 49.831 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

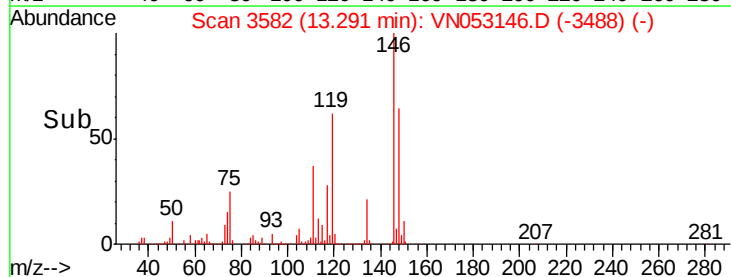
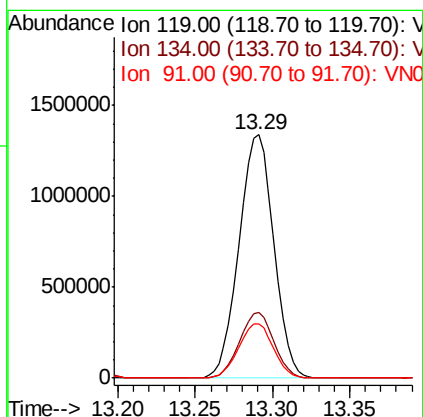
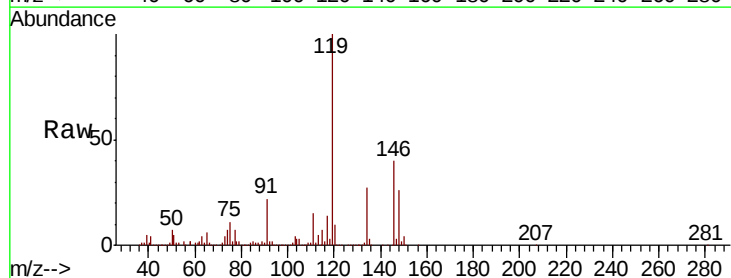
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

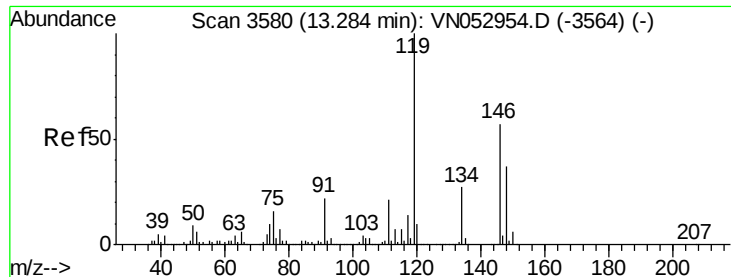
Tot Ion:105 Resp: 2439250
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 49.464 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion:119 Resp: 2092213
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.3 11.1 33.3

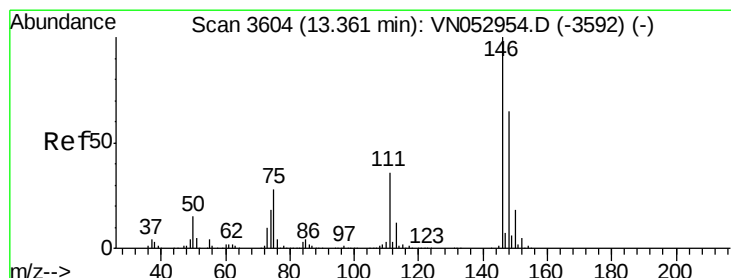
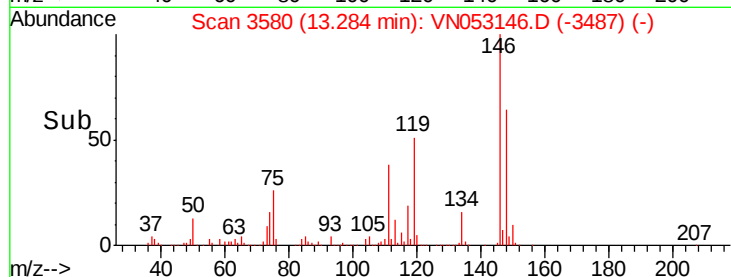
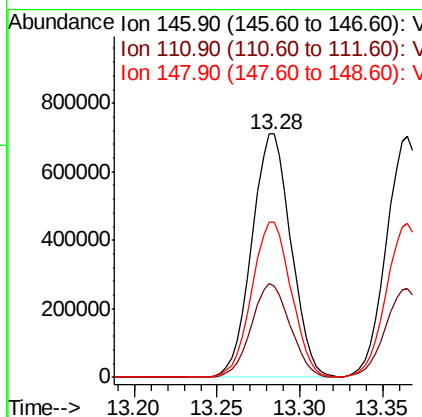
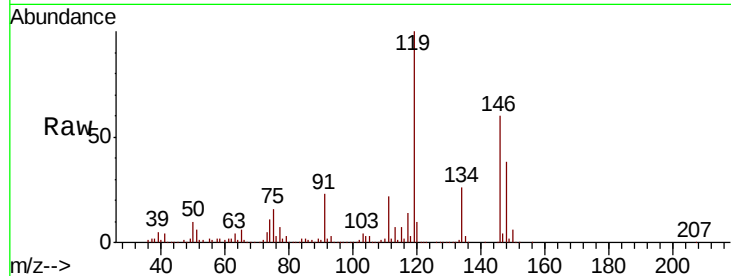




#87
 1,3-Dichlorobenzene
 Concen: 50.561 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

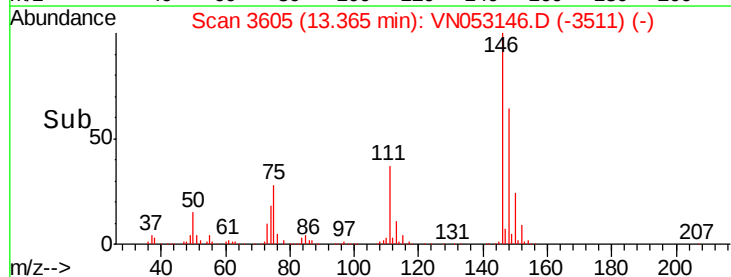
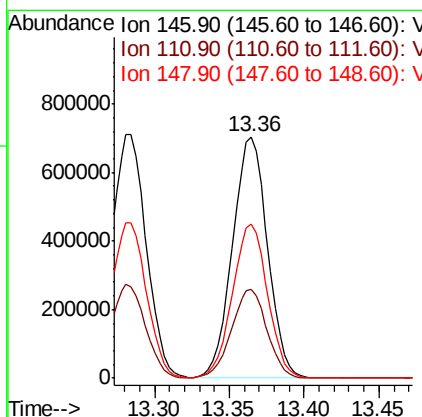
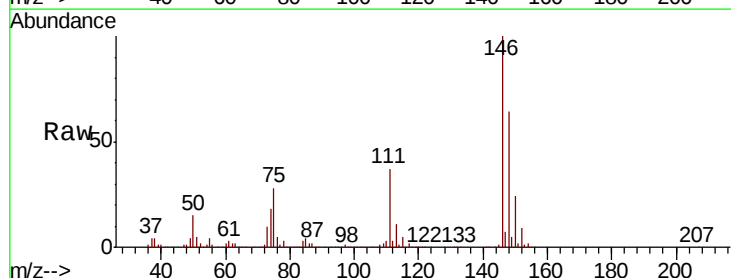
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

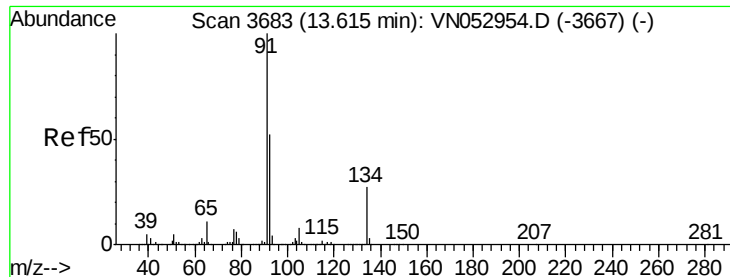
Tot Ion:146 Resp: 1167808
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.1
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.007 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion:146 Resp: 1146281
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 46.368 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

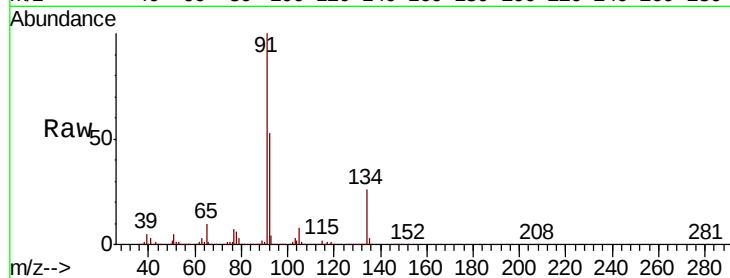
Tot Ion: 91 Resp: 1687281

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

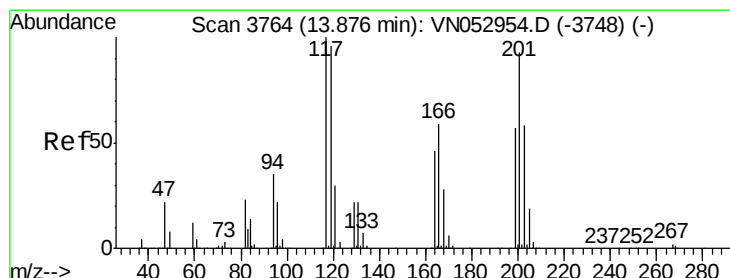
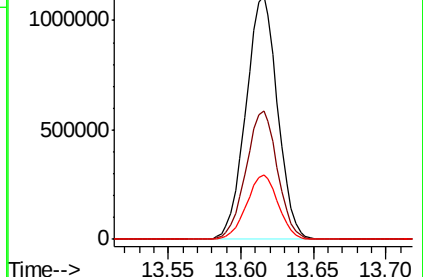
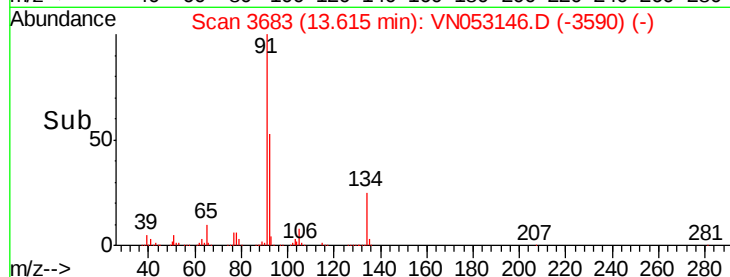
134 26.4 13.3 39.8



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: 49.408 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053146.D

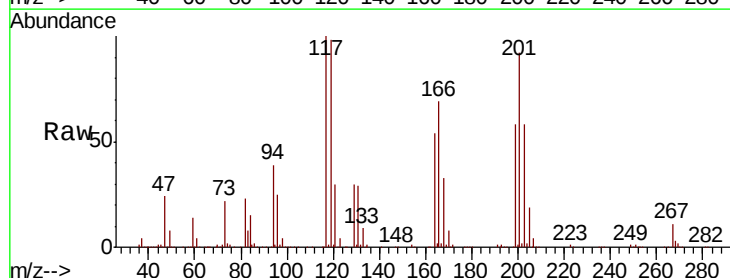
Acq: 22 Dec 2018 21:12

Tgt Ion: 117 Resp: 320705

Ion Ratio Lower Upper

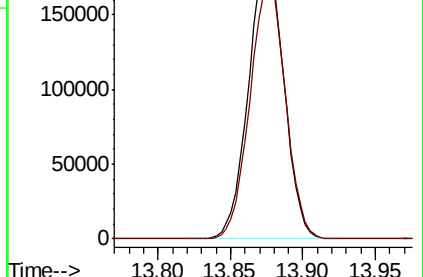
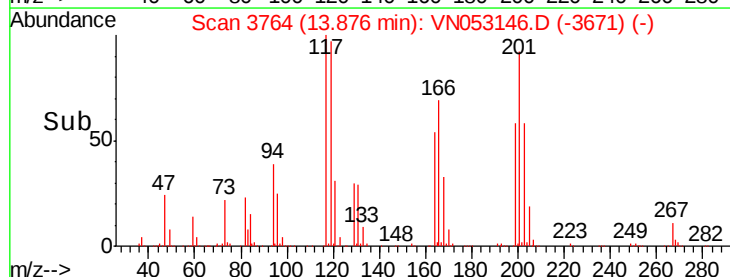
117 100

201 91.6 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) (-)

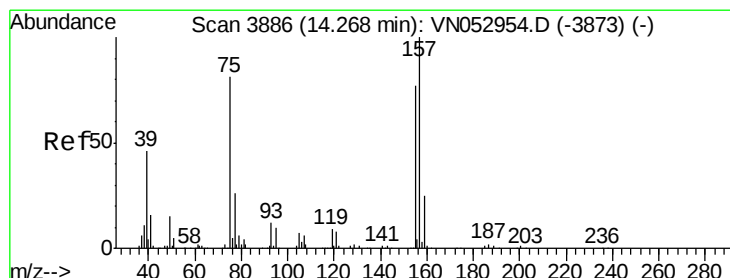
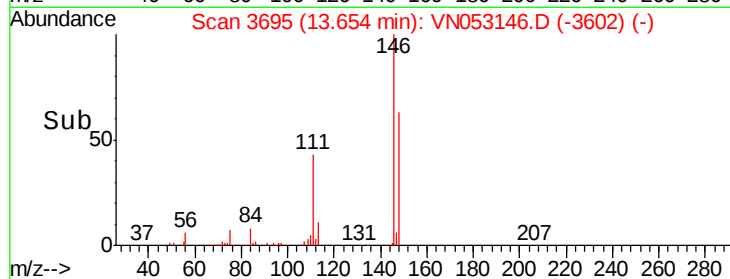
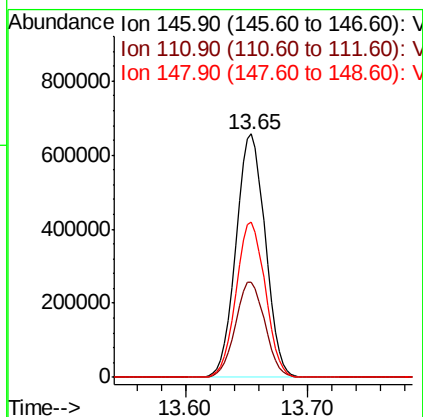
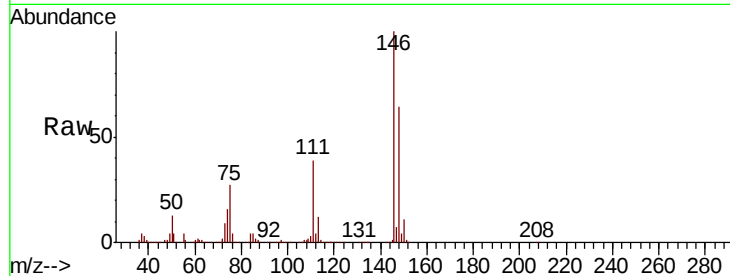




#91
 1,2-Dichlorobenzene
 Concen: 50.017 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

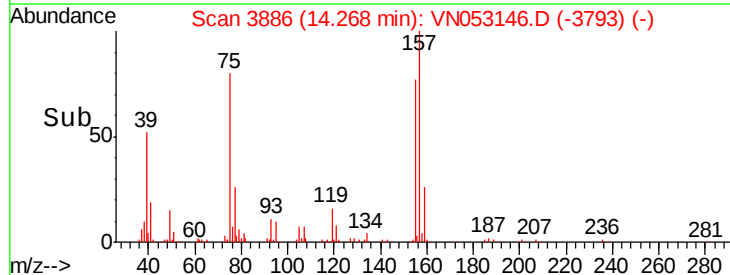
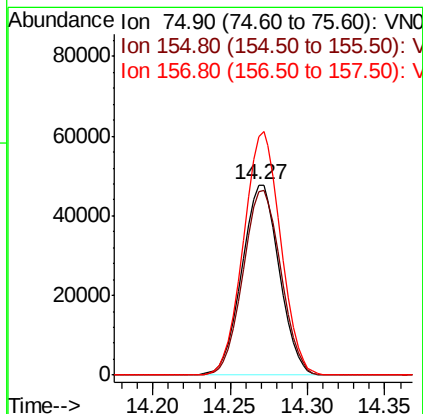
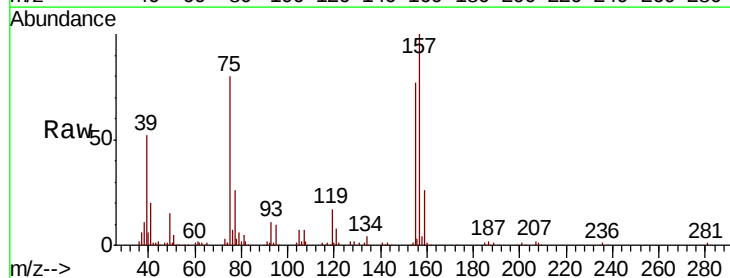
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

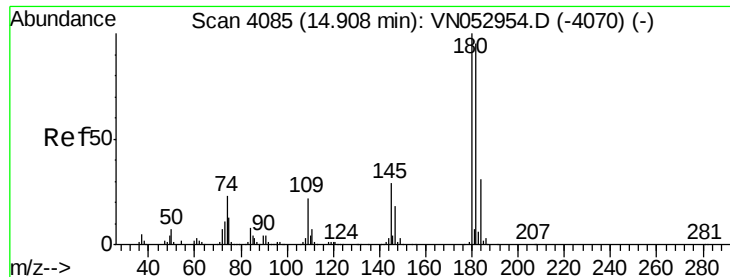
Tot Ion:146 Resp: 1087258
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.0
 148 63.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.297 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion: 75 Resp: 80546
 Ion Ratio Lower Upper
 75 100
 155 98.2 48.2 144.6
 157 127.1 61.2 183.5

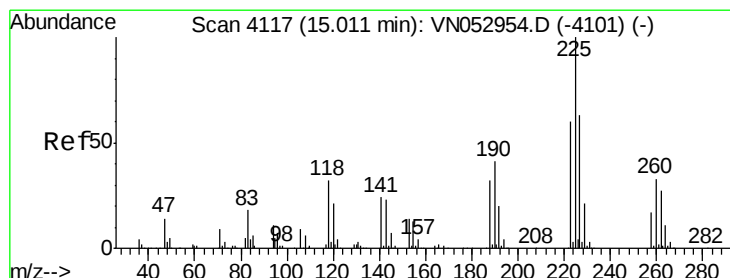
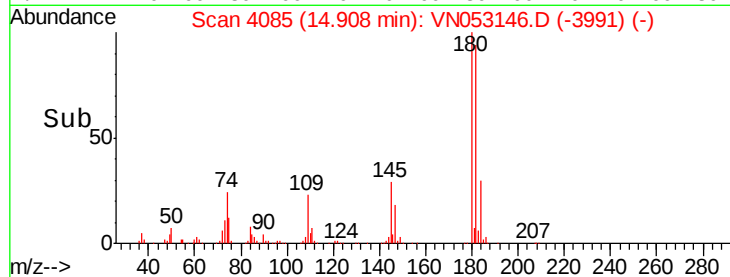
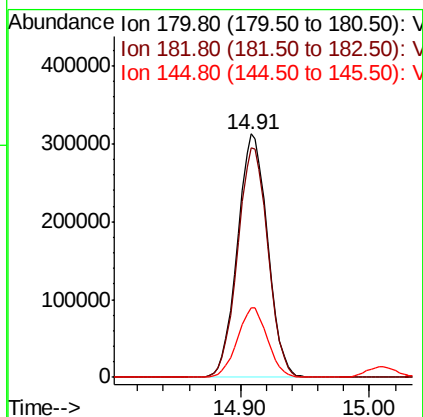
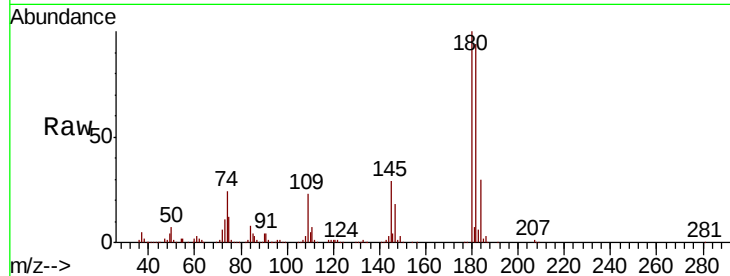




#93
 1,2,4-Trichlorobenzene
 Concen: 44.182 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

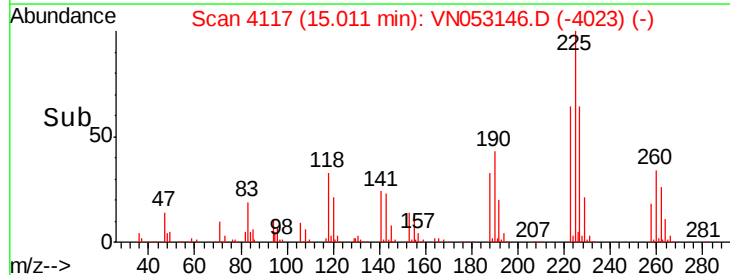
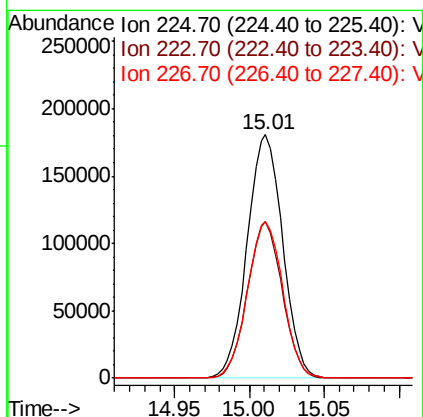
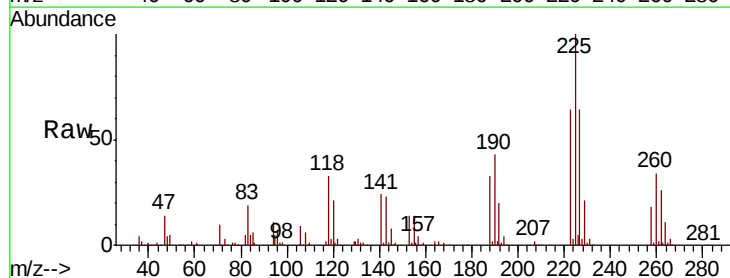
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

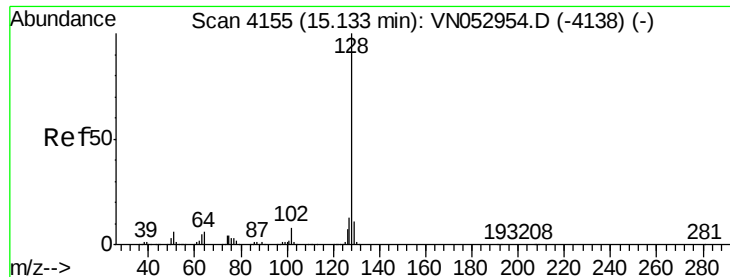
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	28.5	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.156 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053146.D
 Acq: 22 Dec 2018 21:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.4	31.9	95.7





#95

Naphthalene

Concen: 46.100 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

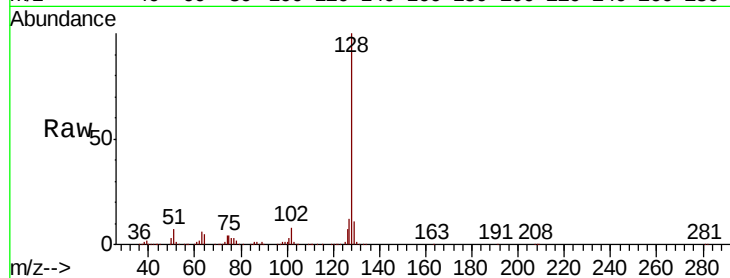
Tot Ion:128 Resp: 1160701

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

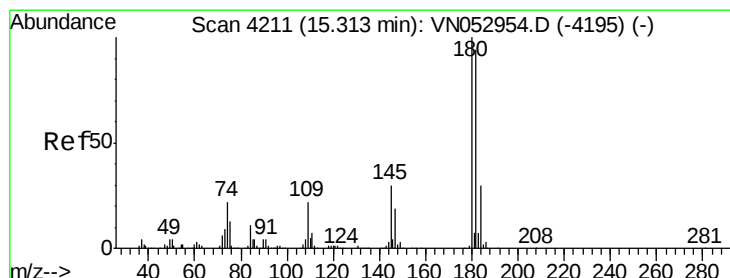
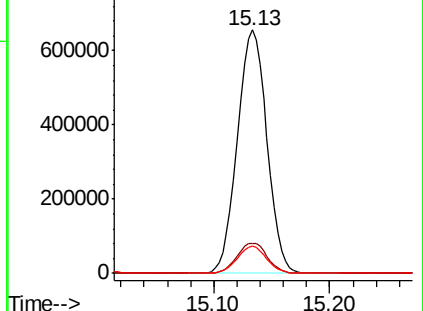
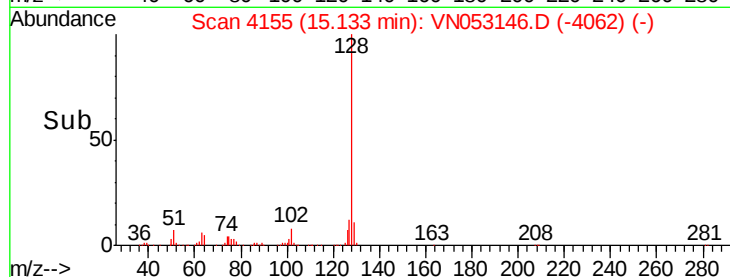
129 11.0 8.6 13.0



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: 44.693 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

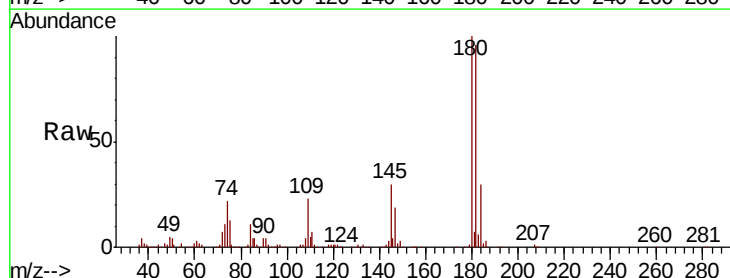
Tgt Ion:180 Resp: 462939

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 29.8 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

