

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053868.D
 Acq On : 19 Feb 2019 15:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 20 03:19:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	922329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	292627	45.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.88%	
35) Dibromofluoromethane	7.59	113	281305	48.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1017372	46.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.40	95	350512	48.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	296015	40.960	ug/l	100
3) Chloromethane	2.06	50	312680	41.024	ug/l	100
4) Vinyl Chloride	2.19	62	335805	45.386	ug/l	99
5) Bromomethane	2.57	94	243385	50.310	ug/l	98
6) Chloroethane	2.71	64	225652	53.369	ug/l	100
7) Trichlorofluoromethane	3.02	101	507455	50.576	ug/l	99
8) Diethyl Ether	3.41	74	162314	44.296	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	307115	49.493	ug/l	98
10) Methyl Iodide	3.95	142	432654	44.423	ug/l	100
11) Tert butyl alcohol	4.77	59	84151	220.771	ug/l	99
12) 1,1-Dichloroethene	3.74	96	270513	45.502	ug/l	98
13) Acrolein	3.61	56	48181	232.164	ug/l	97
14) Allyl chloride	4.32	41	401964	42.464	ug/l	94
15) Acrylonitrile	4.98	53	471270	229.023	ug/l	99
16) Acetone	3.81	43	406663	246.161	ug/l	99
17) Carbon Disulfide	4.06	76	696028	37.599	ug/l	99
18) Methyl Acetate	4.32	43	249433	50.983	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	730171	48.448	ug/l	99
20) Methylene Chloride	4.55	84	311696	44.972	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	289256	45.098	ug/l	98
22) Diisopropyl ether	5.95	45	862145	49.154	ug/l	97
23) Vinyl Acetate	5.89	43	2742614	226.034	ug/l	97
24) 1,1-Dichloroethane	5.85	63	549135	46.940	ug/l	99
25) 2-Butanone	6.83	43	531778	225.699	ug/l	97
26) 2,2-Dichloropropane	6.82	77	441258	49.411	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	343352	48.142	ug/l	98
28) Bromochloromethane	7.19	49	208145	40.999	ug/l	93
29) Tetrahydrofuran	7.20	42	329809	217.991	ug/l	97
30) Chloroform	7.37	83	567415	48.928	ug/l	99
31) Cyclohexane	7.65	56	476937	43.767	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	484494	50.201	ug/l	99
36) 1,1-Dichloropropene	7.79	75	446443	53.696	ug/l	99
37) Ethyl Acetate	6.92	43	216405	46.604	ug/l	99
38) Carbon Tetrachloride	7.77	117	442162	52.791	ug/l	99

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39) Methylcyclohexane	9.08	83	500843	50.775	ug/l	98
40) Benzene	8.04	78	1345614	52.483	ug/l	99
41) Methacrylonitrile	7.20	41	318129	122.581	ug/l #	20
42) 1,2-Dichloroethane	8.12	62	393326	51.667	ug/l	99
43) Isopropyl Acetate	8.16	43	425915	47.495	ug/l #	89
44) Trichloroethene	8.83	130	361464	49.521	ug/l	99
45) 1,2-Dichloropropane	9.12	63	336369	51.293	ug/l	99
46) Dibromomethane	9.21	93	193935	49.059	ug/l	98
47) Bromodichloromethane	9.40	83	429968	52.312	ug/l	99
48) Methyl methacrylate	9.20	41	189731	44.323	ug/l	92
49) 1,4-Dioxane	9.19	88	57569	930.947	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1068891	242.559	ug/l	99
52) Toluene	10.15	92	774376	50.890	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	424489	51.576	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	501457	51.416	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	283593	51.721	ug/l	98
56) Ethyl methacrylate	10.43	69	326418	50.322	ug/l	98
57) 1,3-Dichloropropane	10.71	76	466032	49.731	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	709530	178.735	ug/l	98
59) 2-Hexanone	10.75	43	697326	233.095	ug/l	98
60) Dibromochloromethane	10.90	129	330168	53.397	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264133	48.670	ug/l	99
64) Tetrachloroethene	10.63	164	361321	52.833	ug/l	97
65) Chlorobenzene	11.43	112	881622	52.024	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	327683	55.368	ug/l	99
67) Ethyl Benzene	11.51	91	1460275	52.457	ug/l	99
68) m/p-Xylenes	11.62	106	1148289	108.079	ug/l	98
69) o-Xylene	11.95	106	555840	54.153	ug/l	98
70) Styrene	11.96	104	910911	54.753	ug/l	100
71) Bromoform	12.12	173	225056	55.467	ug/l #	99
73) Isopropylbenzene	12.25	105	1479415	51.083	ug/l	99
74) N-amyl acetate	12.07	43	320596	46.036	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	312239	45.049	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	392480	74.172	ug/l #	100
77) Bromobenzene	12.53	156	385794	49.428	ug/l	97
78) n-propylbenzene	12.59	91	1744646	52.112	ug/l	100
79) 2-Chlorotoluene	12.67	91	1009096	50.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1282566	53.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	88654	47.111	ug/l	97
82) 4-Chlorotoluene	12.77	91	1031282	50.599	ug/l	100
83) tert-Butylbenzene	12.99	119	1132576	53.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1299651	53.118	ug/l	100
85) sec-Butylbenzene	13.17	105	1577808	54.626	ug/l	100
86) p-Isopropyltoluene	13.29	119	1431225	56.657	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	744953	53.094	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	720684	51.925	ug/l	100
89) n-Butylbenzene	13.61	91	1260679	57.657	ug/l	99
90) Hexachloroethane	13.87	117	253504	60.839	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	746706	55.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47828	48.419	ug/l	98

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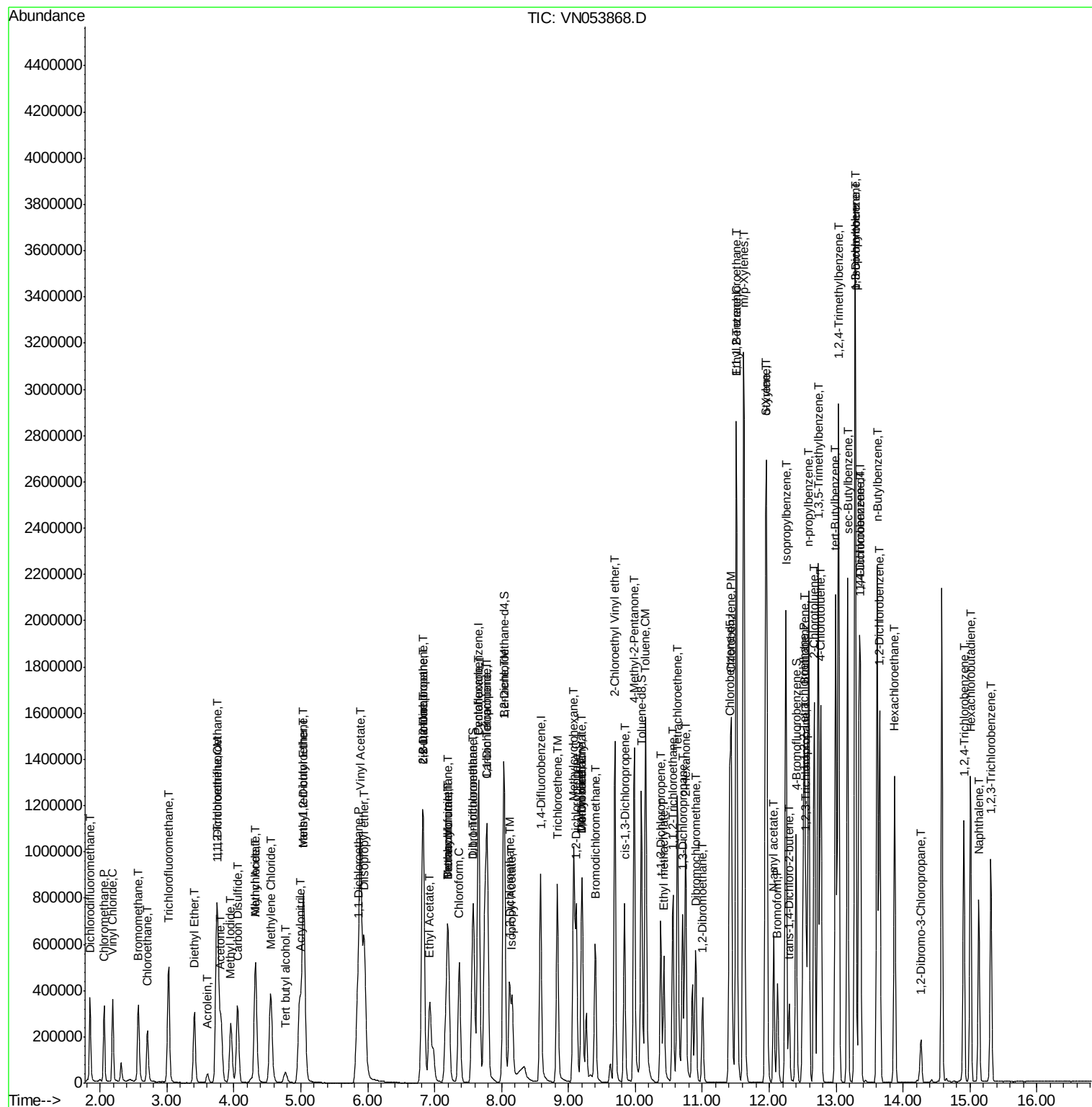
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	403864	52.423	ug/l	99
94) Hexachlorobutadiene	15.01	225	297738	62.059	ug/l	100
95) Naphthalene	15.13	128	708726	39.539	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	375397	52.516	ug/l	99

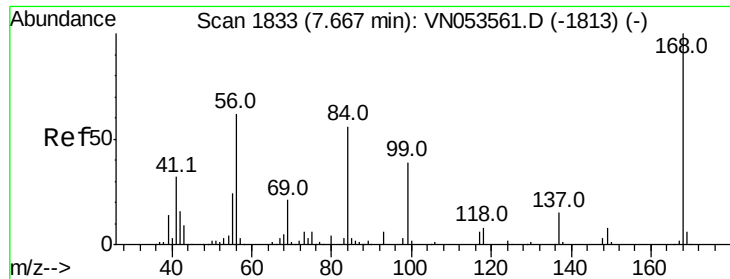
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Acq: 19 Feb 2019 15:52

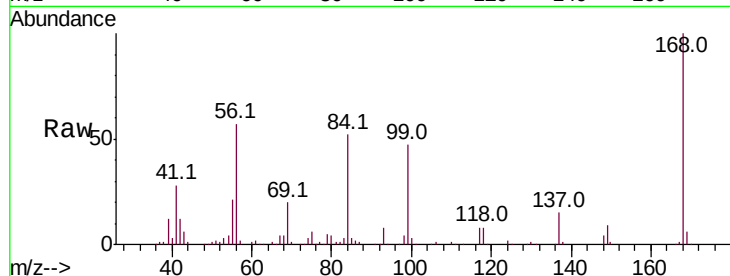
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 642006

Ion Ratio Lower Upper

168 100

99 46.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

150000

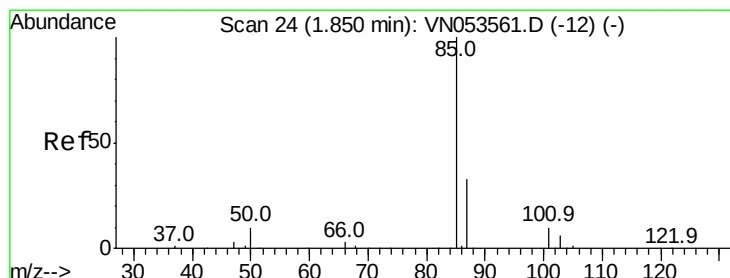
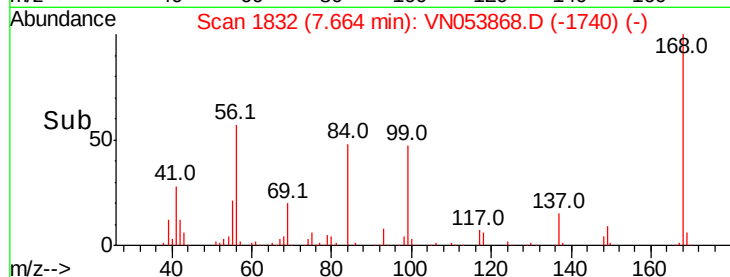
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 40.960 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053868.D

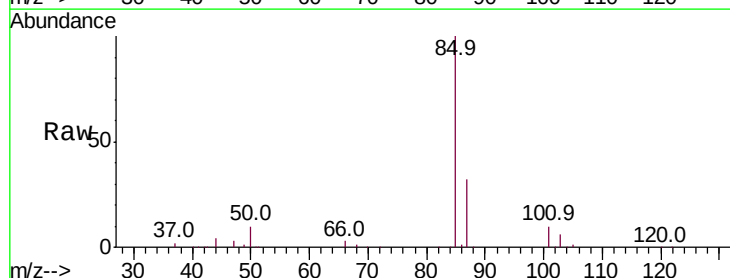
Acq: 19 Feb 2019 15:52

Tgt Ion: 85 Resp: 296015

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250000

200000

150000

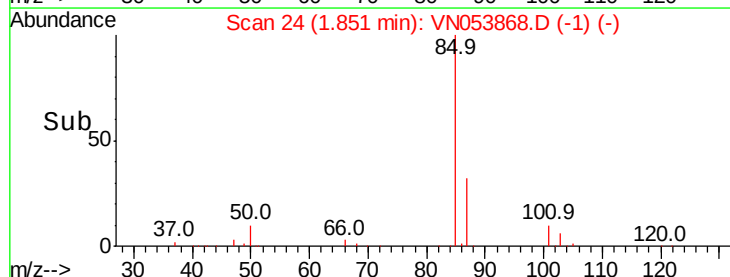
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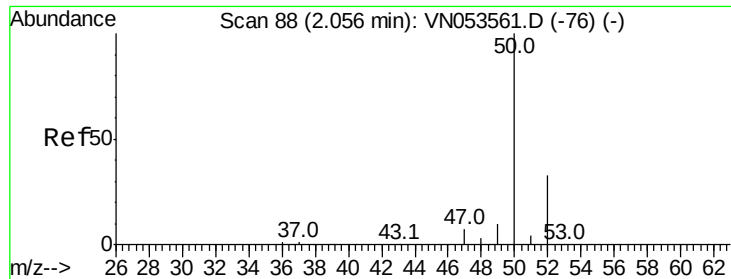
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0

Time-->

1.80 1.90 2.00

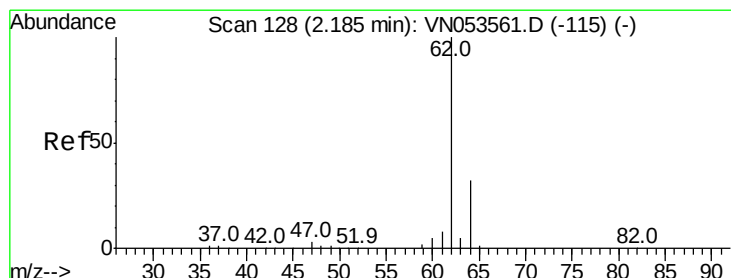
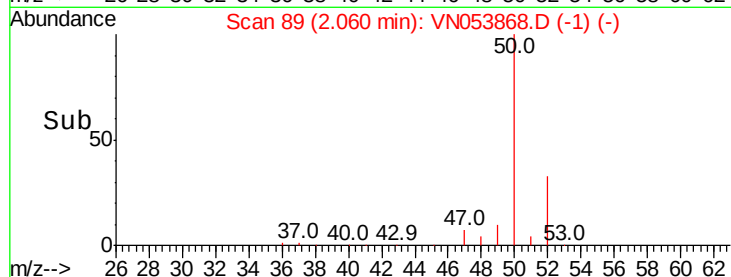
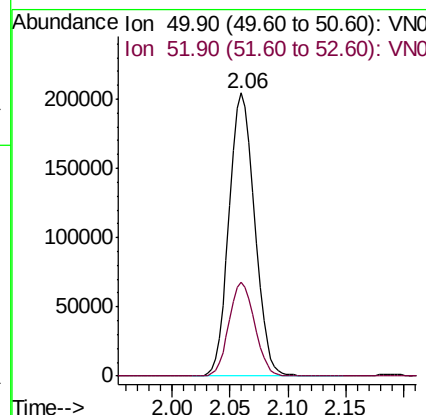
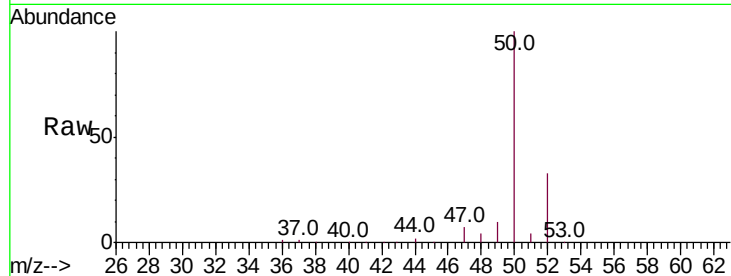




#3
Chloromethane
Concen: 41.024 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

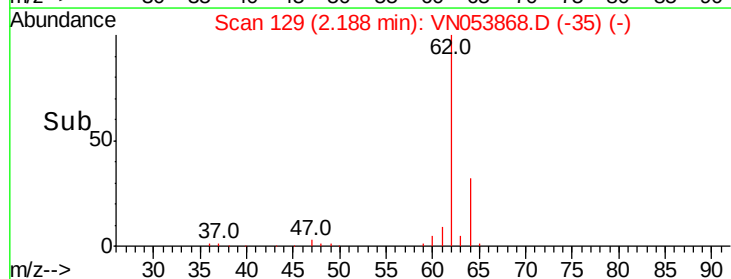
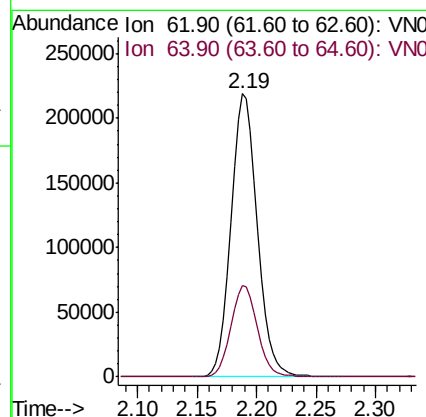
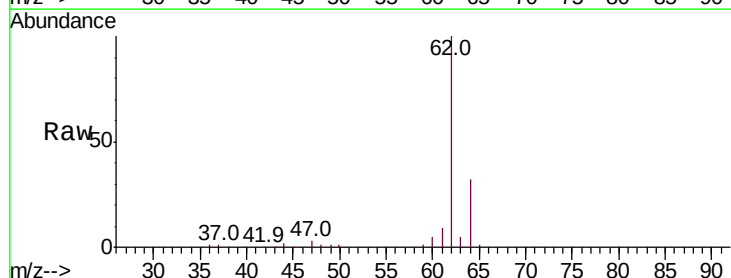
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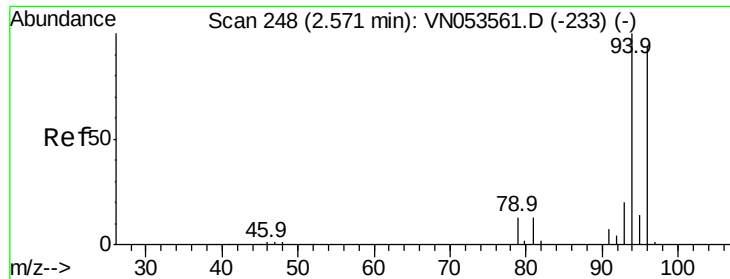
Tot Ion: 50 Resp: 312680
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0



#4
Vinyl Chloride
Concen: 45.386 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 62 Resp: 335805
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.2

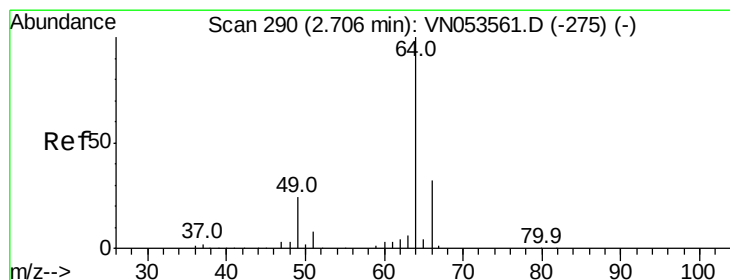
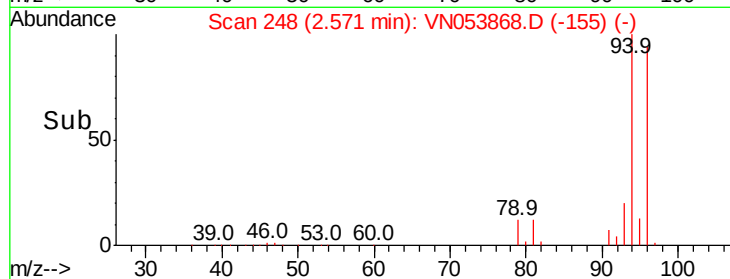
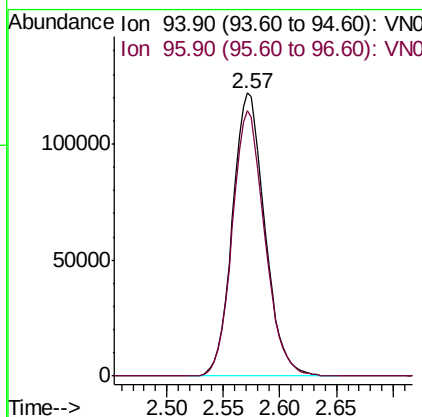
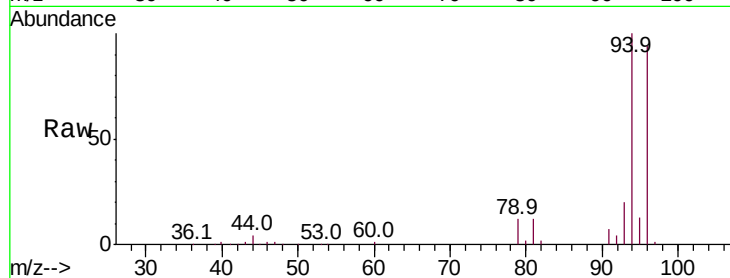




#5
Bromomethane
Concen: 50.310 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053868.D
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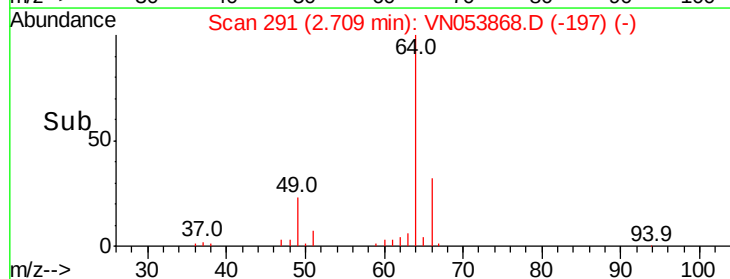
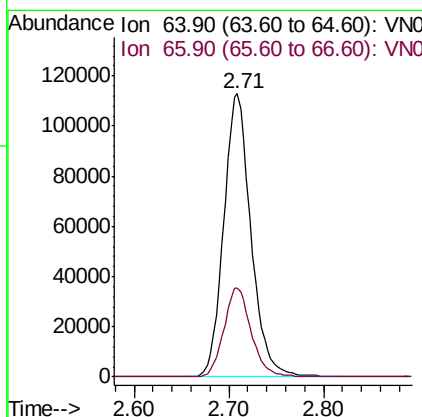
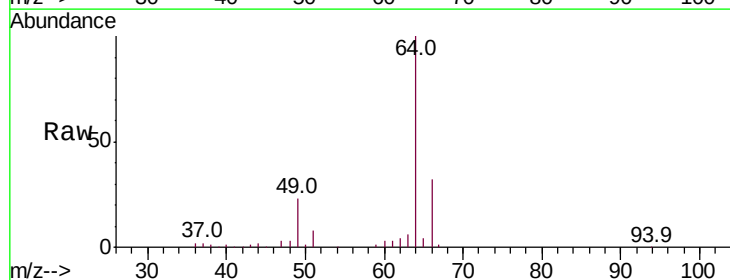
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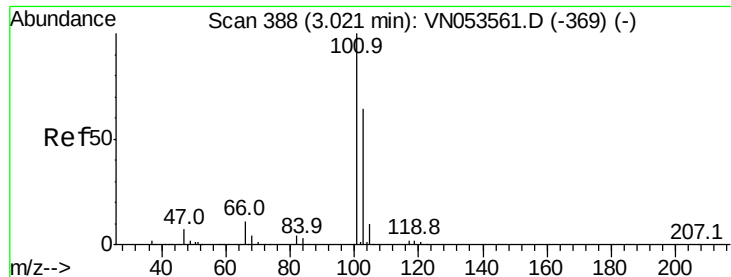
Tot Ion: 94 Resp: 243385
Ion Ratio Lower Upper
94 100
96 93.7 76.8 115.2



#6
Chloroethane
Concen: 53.369 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053868.D
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Tgt Ion: 64 Resp: 225652
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7



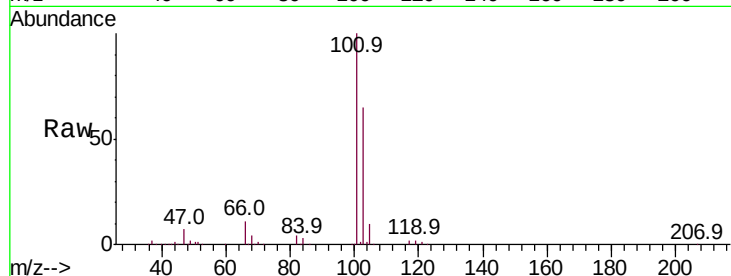


#7

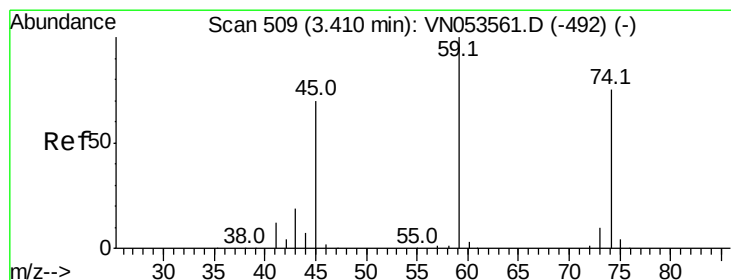
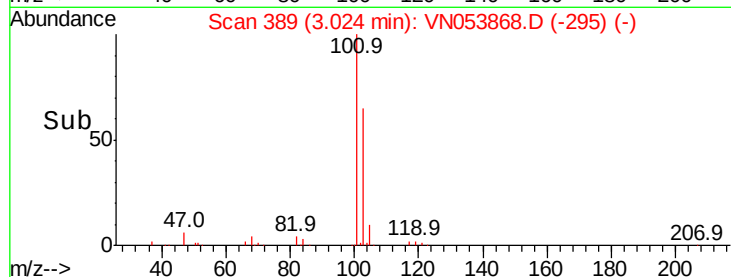
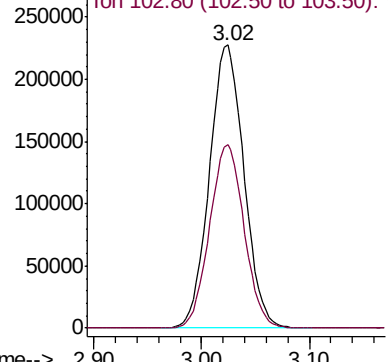
Trichlorofluoromethane
 Concen: 50.576 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053868.D
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Instrument :
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Tot Ion:101 Resp: 507455
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4



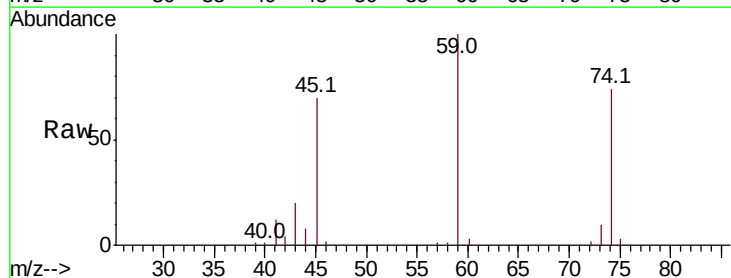
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



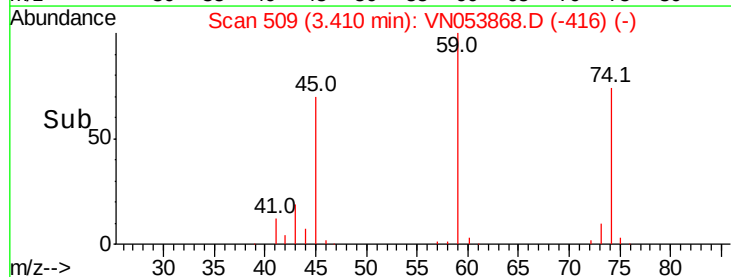
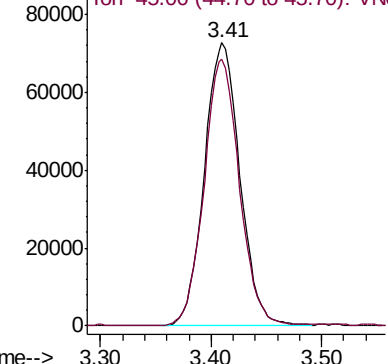
#8

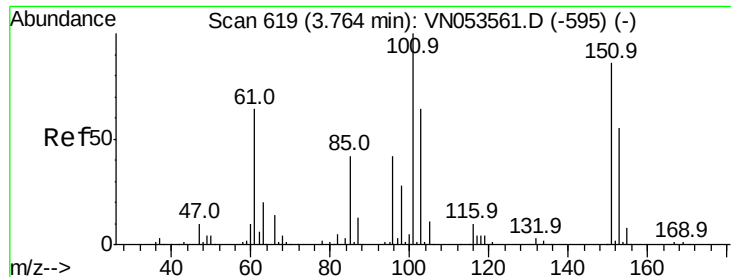
Diethyl Ether
 Concen: 44.296 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053868.D
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Tgt Ion: 74 Resp: 162314
 Ion Ratio Lower Upper
 74 100
 45 93.9 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

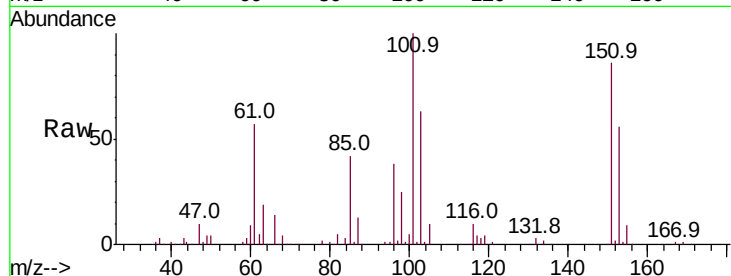




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.493 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053868.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.4	32.8	49.2
151	86.4	66.9	100.3

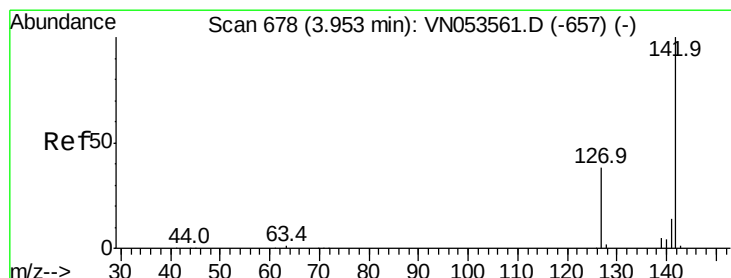
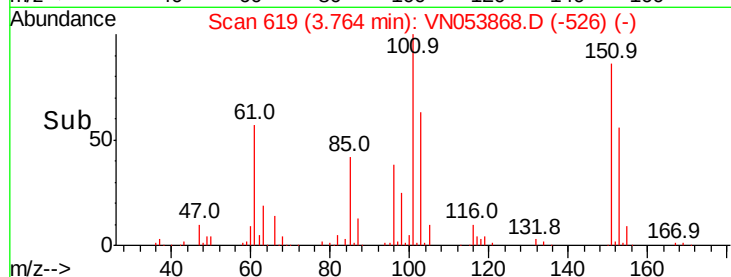
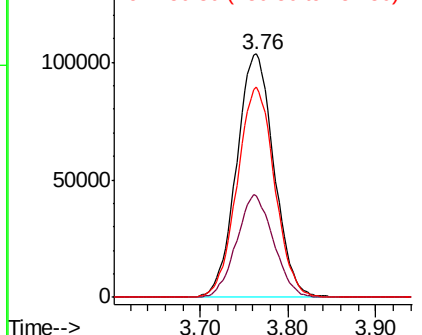


Abundance

Ion 100.90 (100.60 to 101.60): V

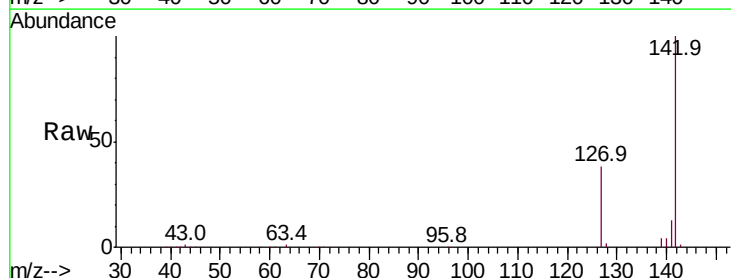
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 44.423 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.8	31.0	46.4
141	13.9	11.1	16.7

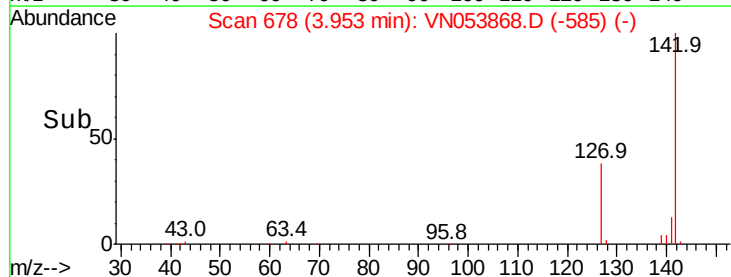
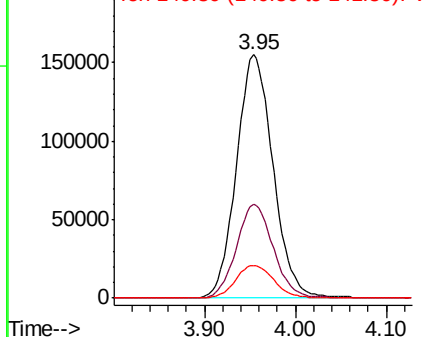


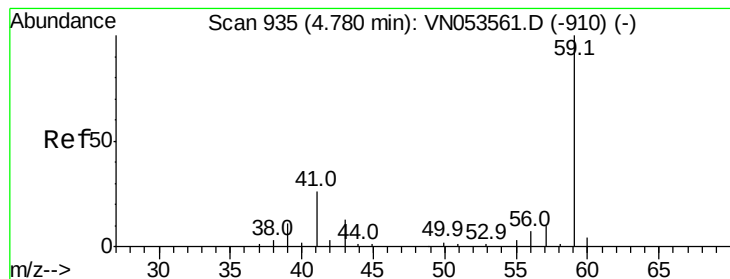
Abundance

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



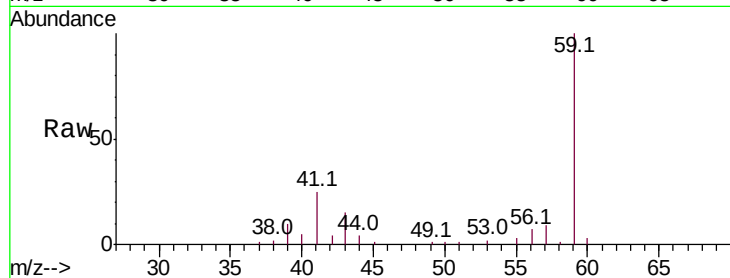


#11

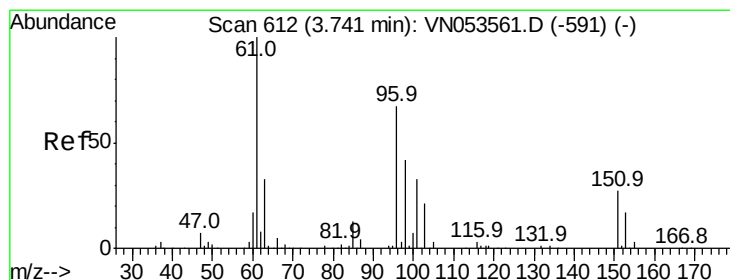
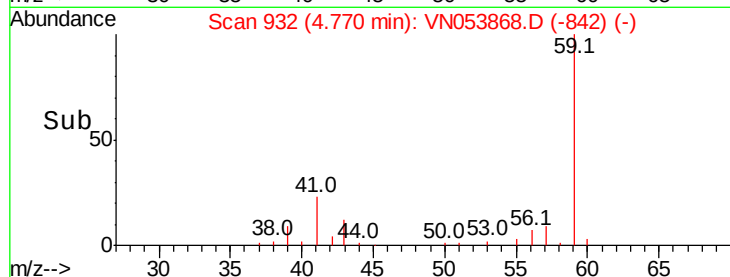
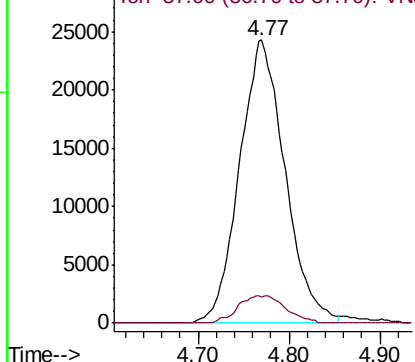
Tert butyl alcohol
 Concen: 220.771 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 84151
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4



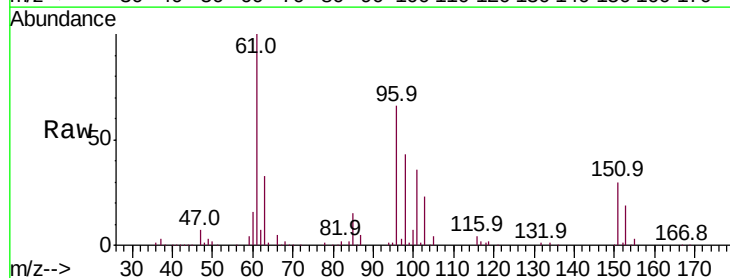
Abundance Ion 59.00 (58.70 to 59.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO



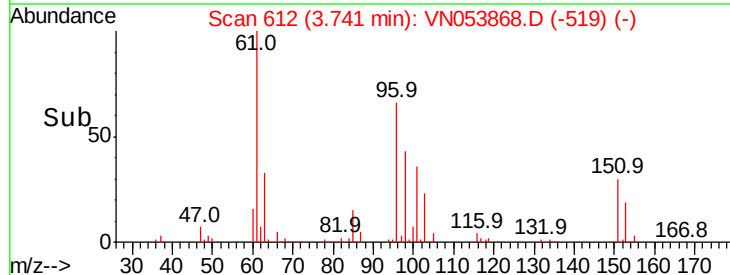
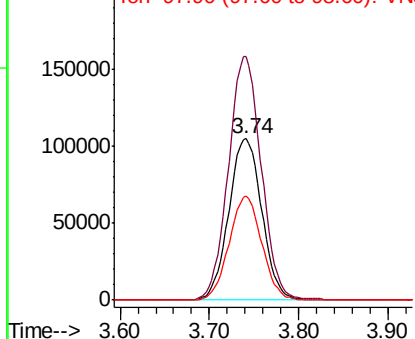
#12

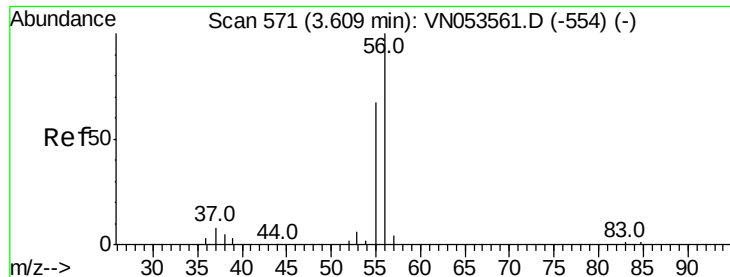
1,1-Dichloroethene
 Concen: 45.502 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 96 Resp: 270513
 Ion Ratio Lower Upper
 96 100
 61 151.0 122.9 184.3
 98 64.5 49.4 74.0



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

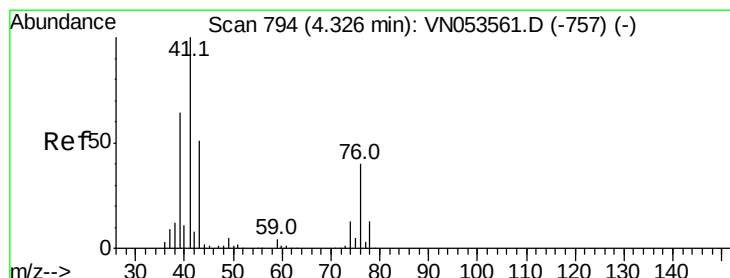
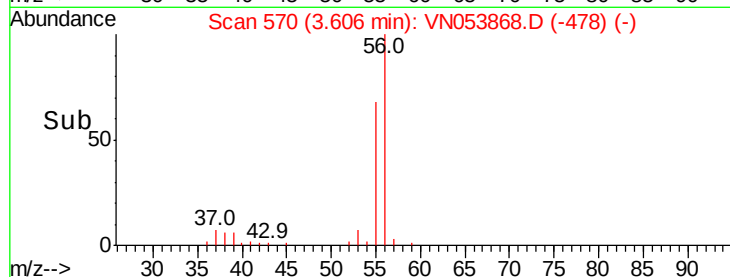
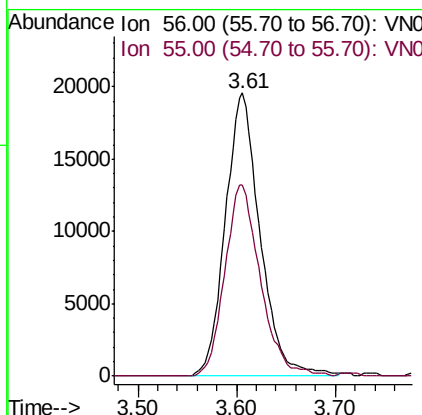
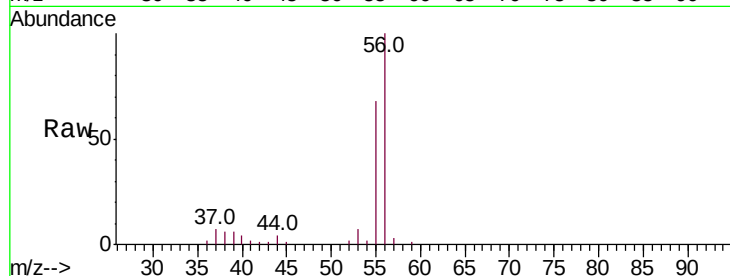




#13
Acrolein
Concen: 232.164 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

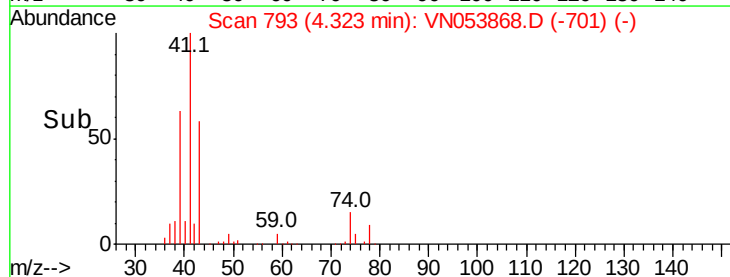
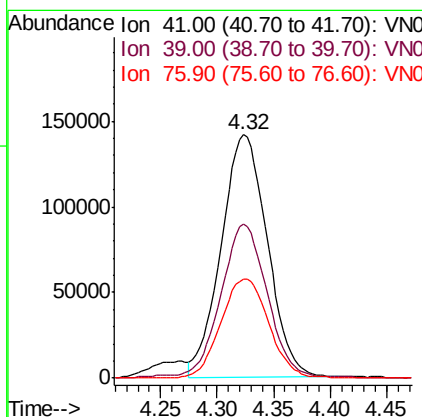
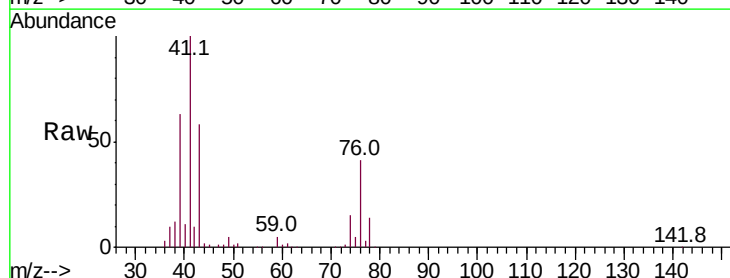
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

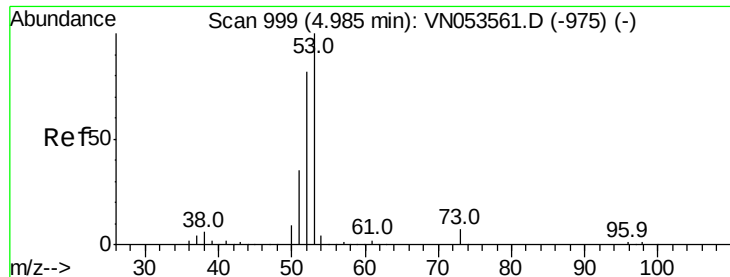
Tot Ion: 56 Resp: 48181
Ion Ratio Lower Upper
56 100
55 69.0 57.4 86.0



#14
Allyl chloride
Concen: 42.464 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 41 Resp: 401964
Ion Ratio Lower Upper
41 100
39 64.7 48.9 73.3
76 41.9 29.4 44.2





#15

Acrylonitrile

Concen: 229.023 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

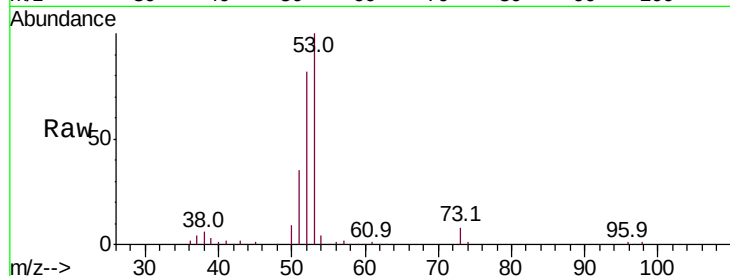
Tot Ion: 53 Resp: 471270

Ion Ratio Lower Upper

53 100

52 80.8 66.0 99.0

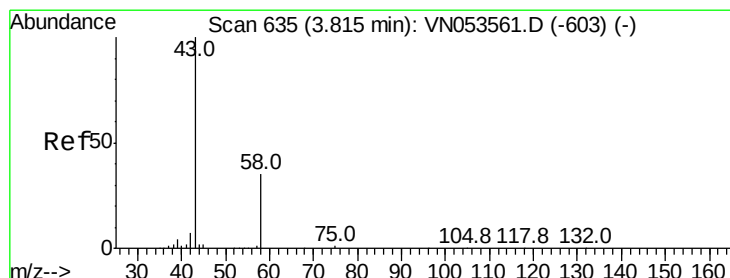
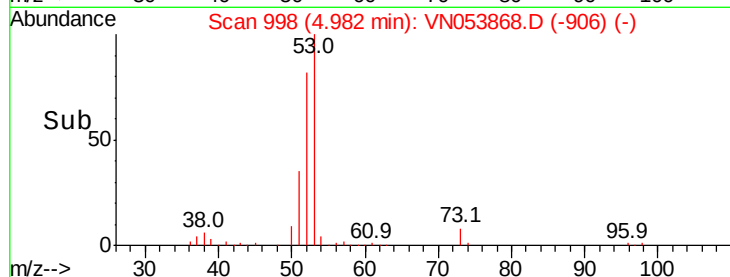
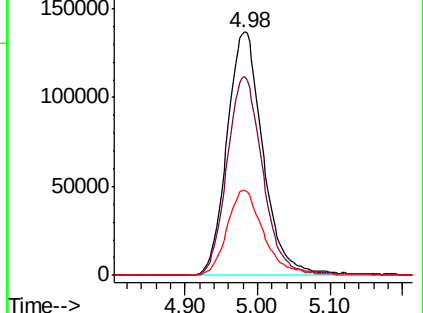
51 35.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 246.161 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN053868.D

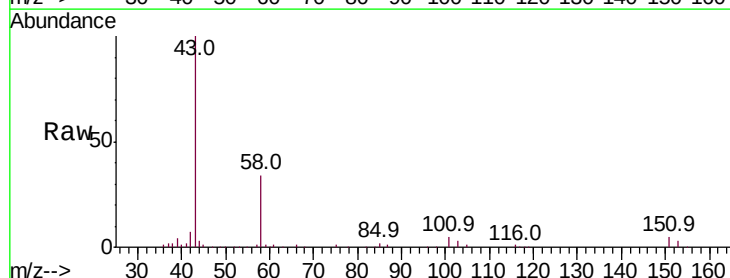
Acq: 19 Feb 2019 15:52

Tgt Ion: 43 Resp: 406663

Ion Ratio Lower Upper

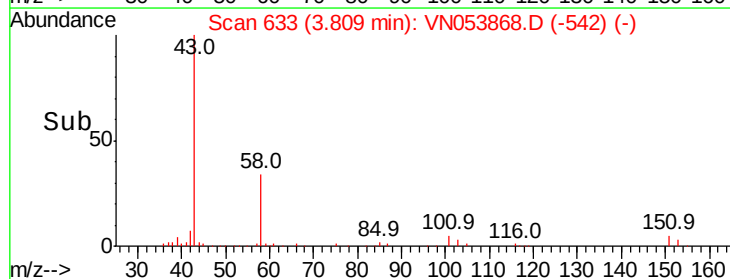
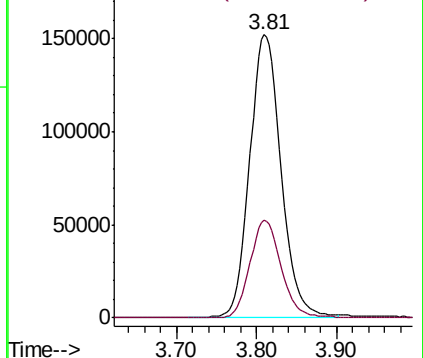
43 100

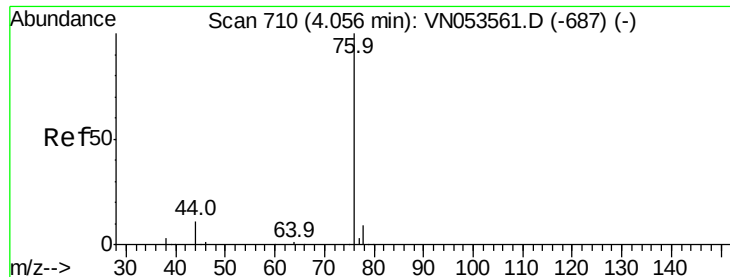
58 34.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 37.599 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

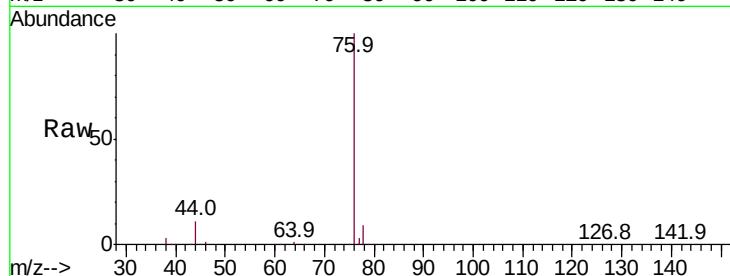
VSTDCCC050EC

Tot Ion: 76 Resp: 696028

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053868.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053868.D (-617) (-)

4.06

250000

200000

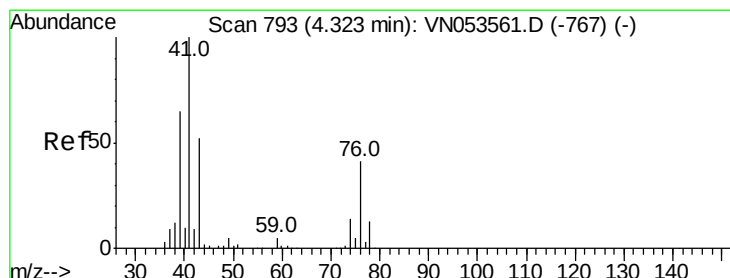
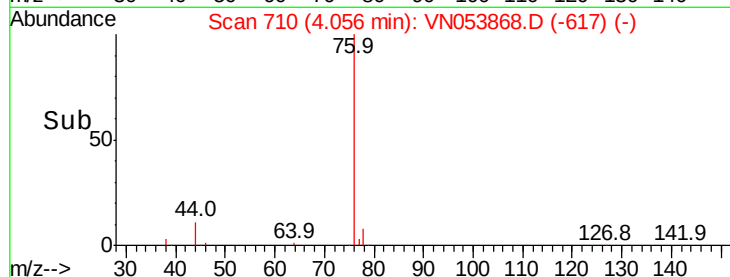
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.983 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053868.D

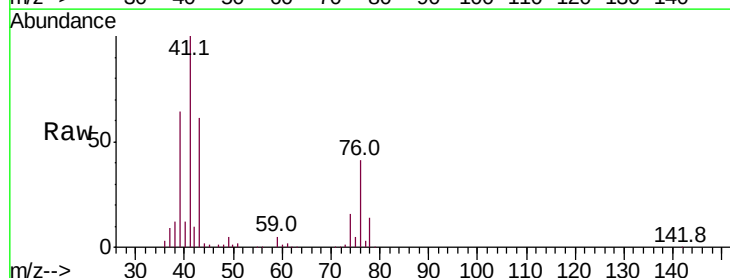
Acq: 19 Feb 2019 15:52

Tgt Ion: 43 Resp: 249433

Ion Ratio Lower Upper

43 100

74 25.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN053868.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053868.D (-700) (-)

4.32

100000

80000

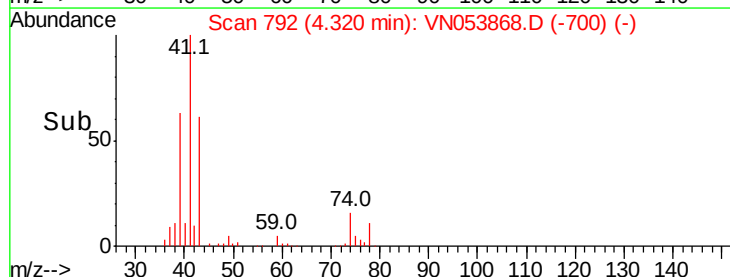
60000

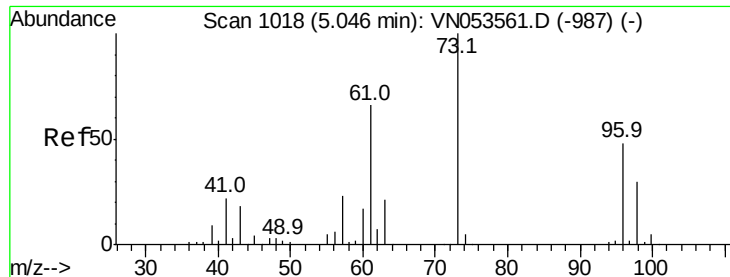
40000

20000

0

Time-->

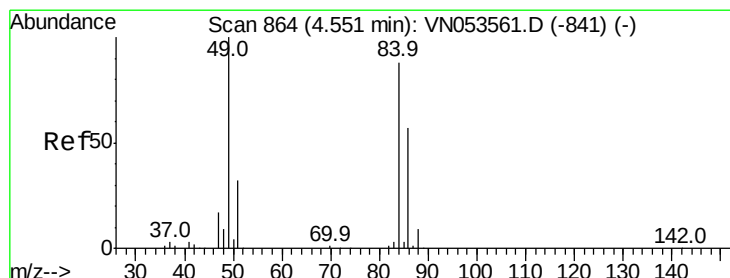
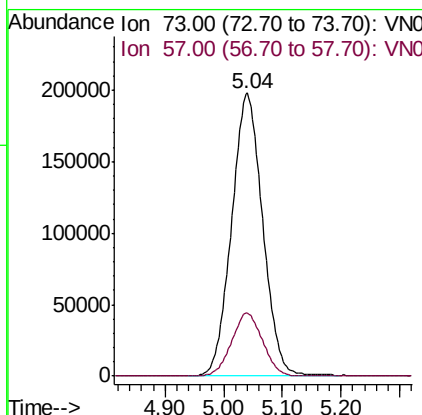
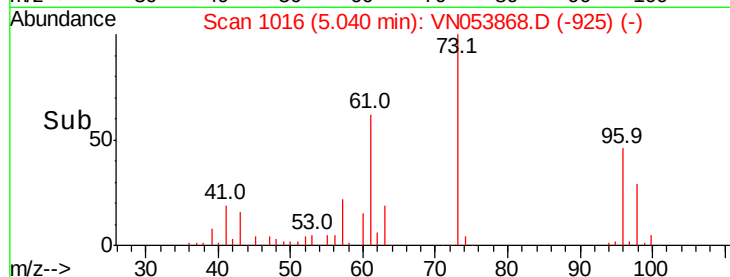
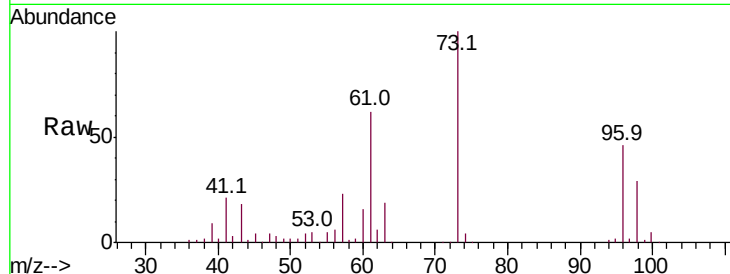




#19
Methyl tert-butyl Ether
Concen: 48.448 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

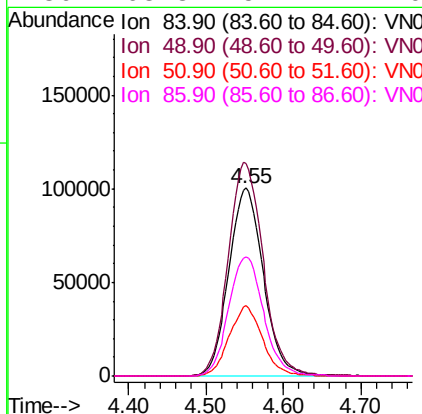
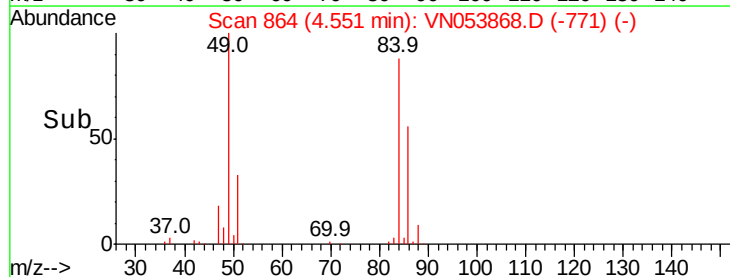
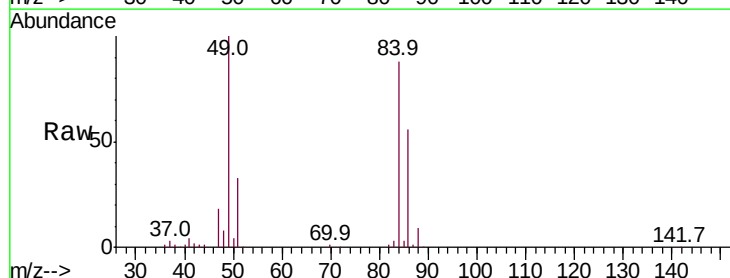
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

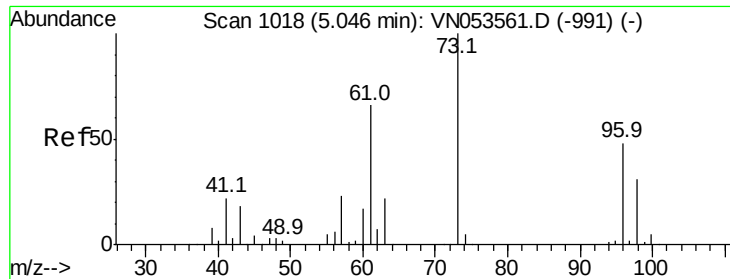
Tot Ion: 73 Resp: 730171
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 44.972 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 84 Resp: 311696
Ion Ratio Lower Upper
84 100
49 113.1 94.3 141.5
51 37.4 29.4 44.2
86 63.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 45.098 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

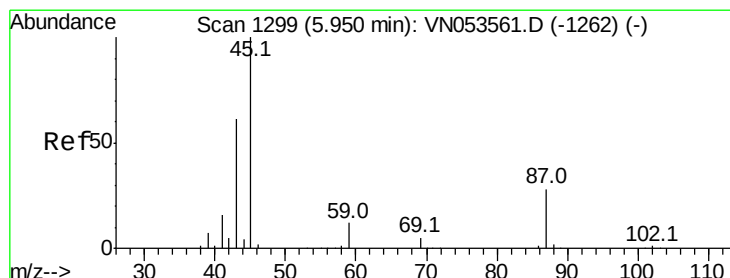
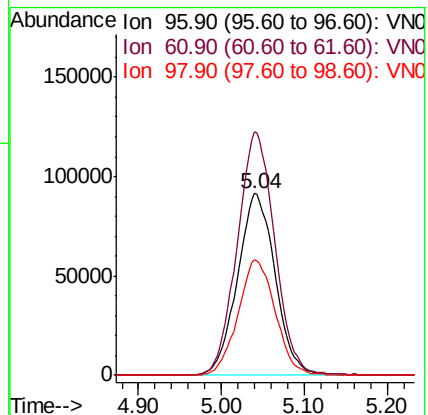
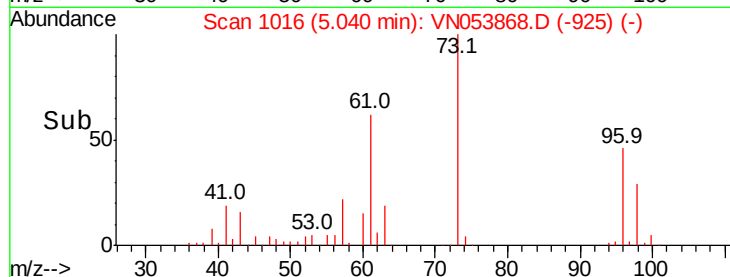
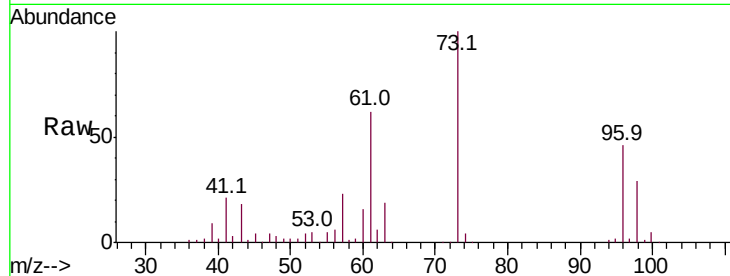
Tot Ion: 96 Resp: 289256

Ion Ratio Lower Upper

96 100

61 134.0 110.1 165.1

98 63.5 50.0 75.0



#22

Diisopropyl ether

Concen: 49.154 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Tgt Ion: 45 Resp: 862145

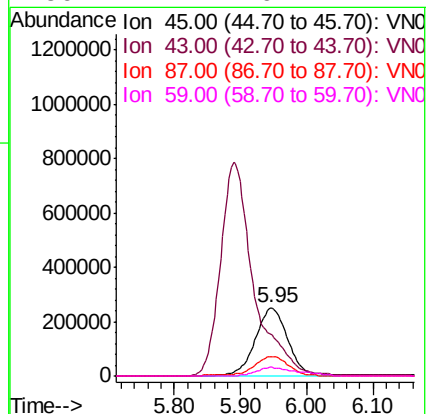
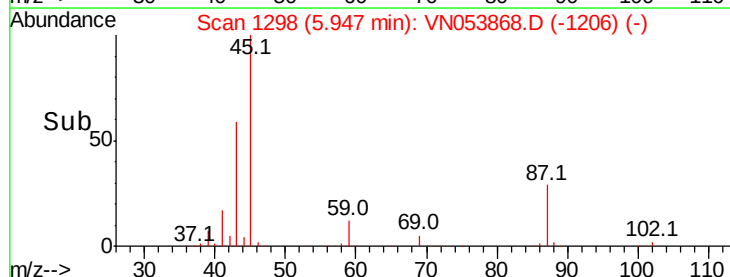
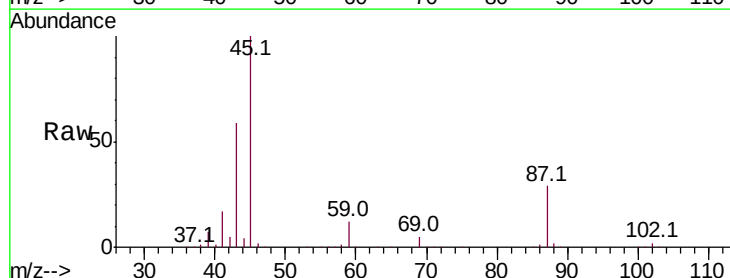
Ion Ratio Lower Upper

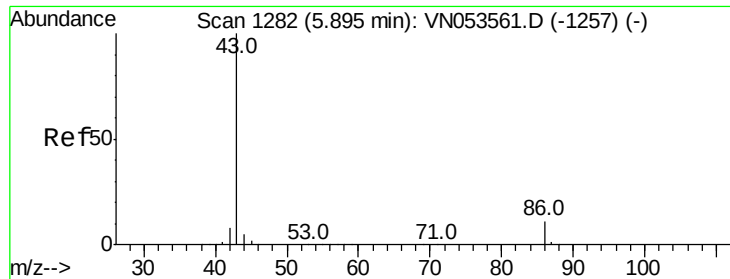
45 100

43 58.6 44.2 66.4

87 28.3 22.7 34.1

59 12.2 9.4 14.2

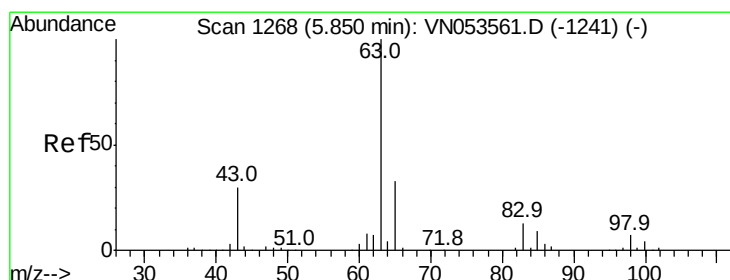
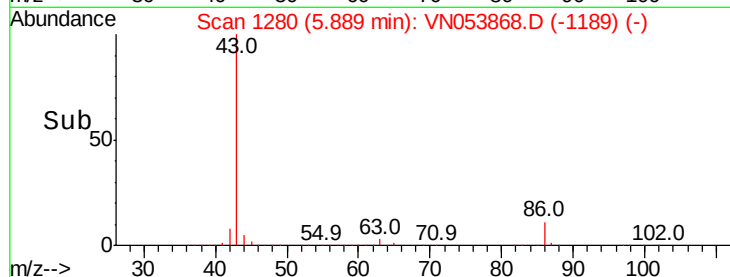
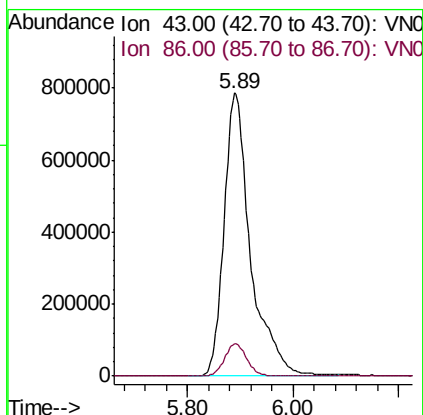
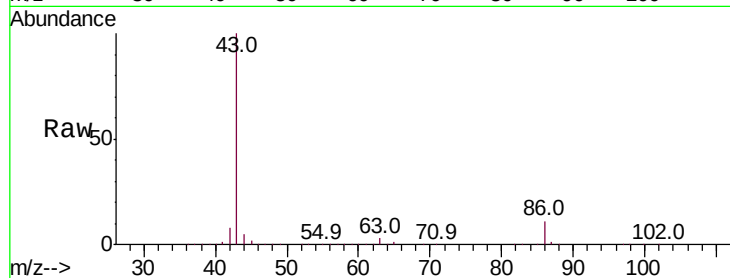




#23
 Vinyl Acetate
 Concen: 226.034 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

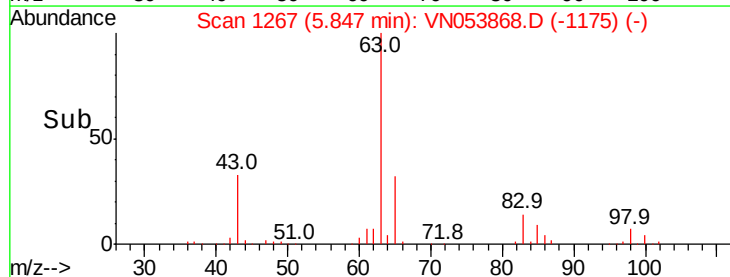
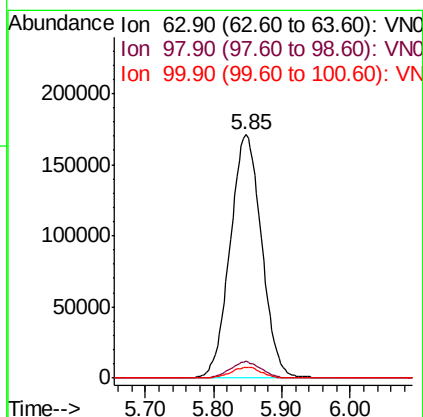
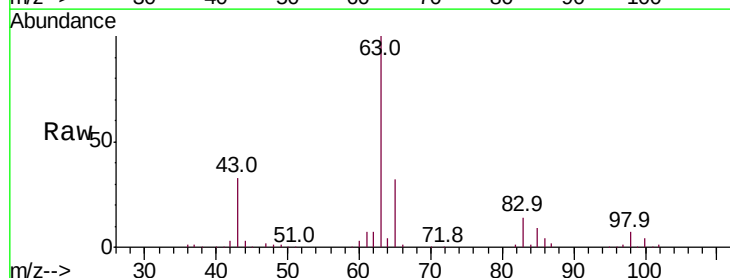
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

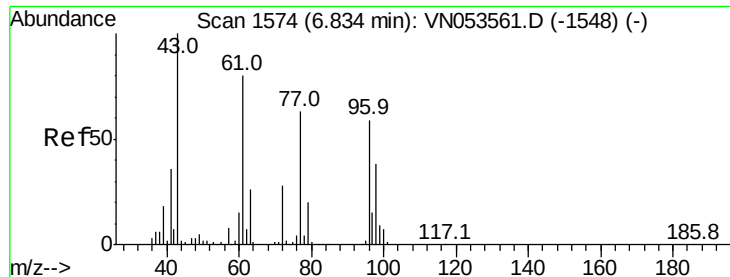
Tot Ion: 43 Resp: 2742614
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 46.940 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 63 Resp: 549135
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 225.699 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

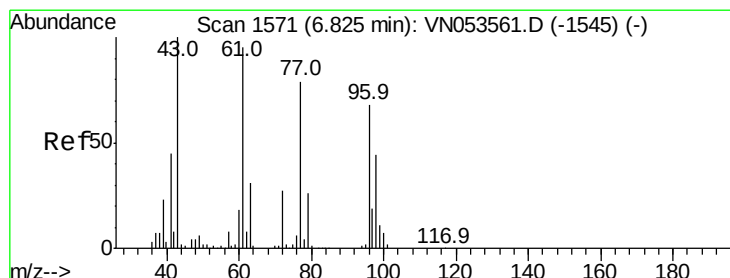
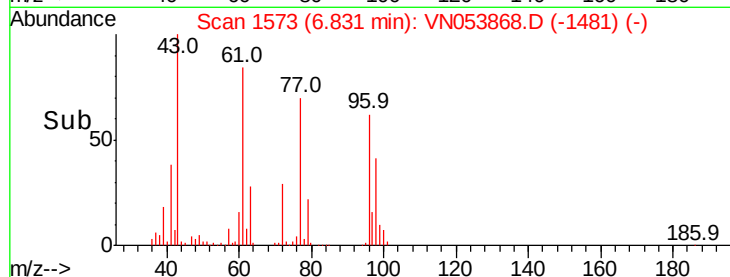
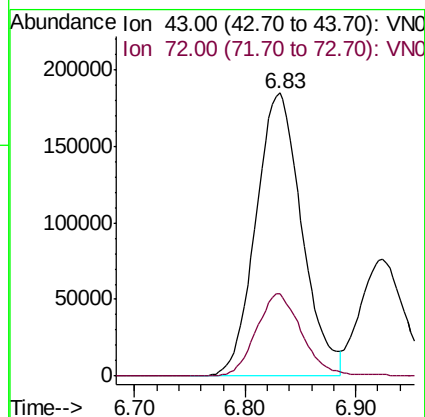
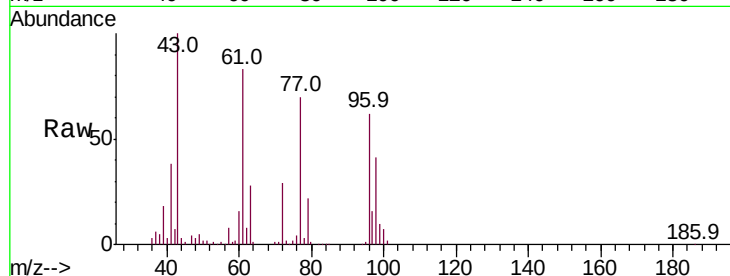
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 531778

Ion Ratio Lower Upper

43 100

72 29.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.411 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053868.D

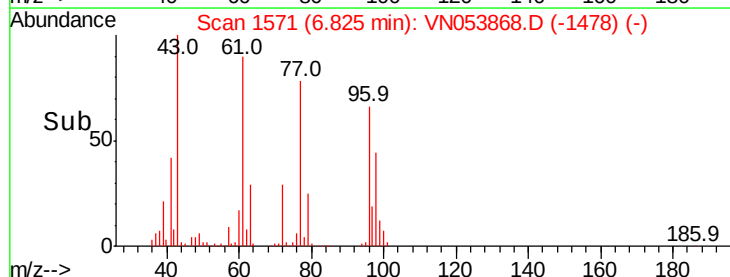
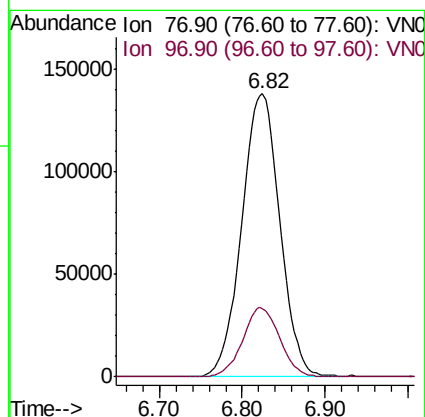
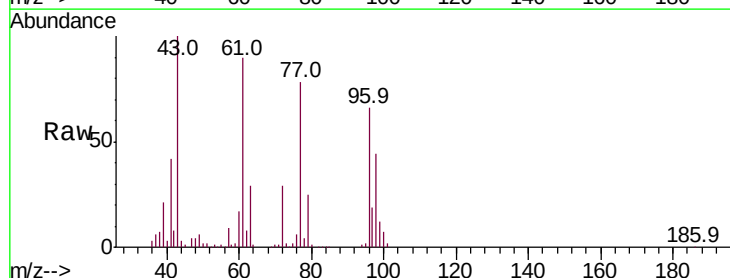
Acq: 19 Feb 2019 15:52

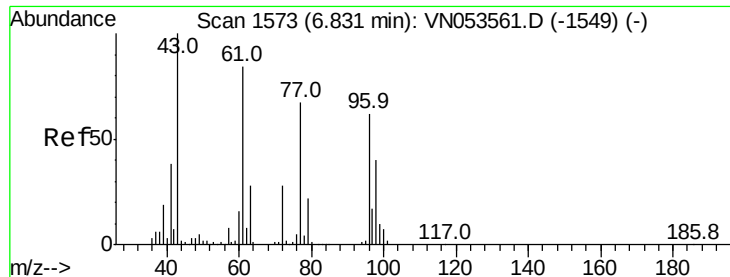
Tgt Ion: 77 Resp: 441258

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.6

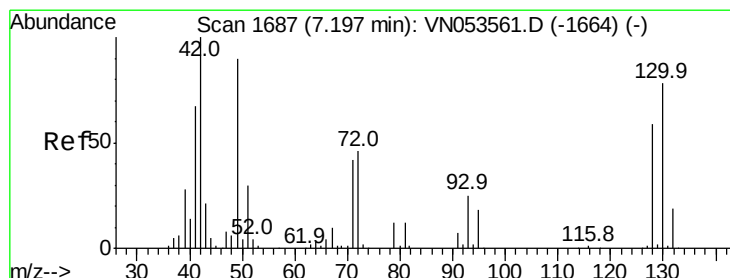
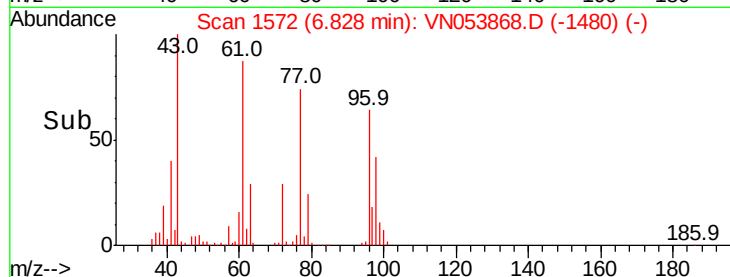
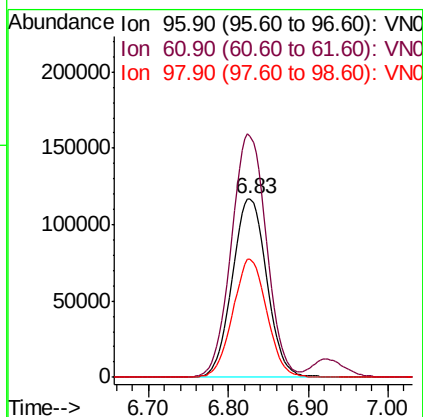
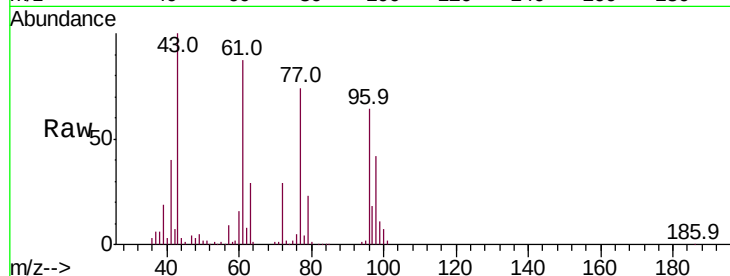




#27
 cis-1,2-Dichloroethene
 Concen: 48.142 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

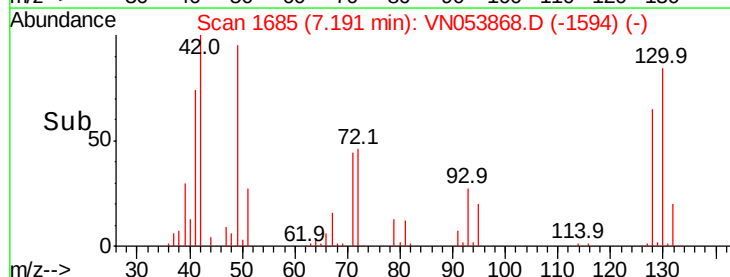
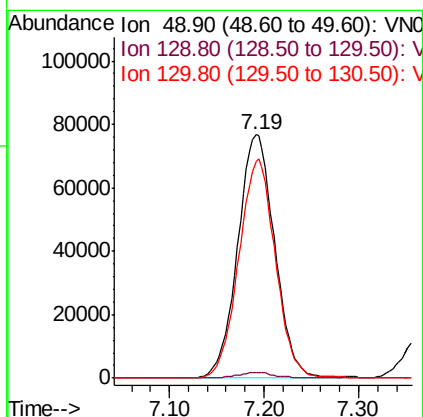
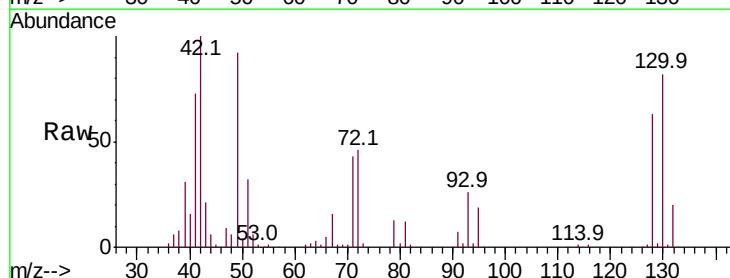
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

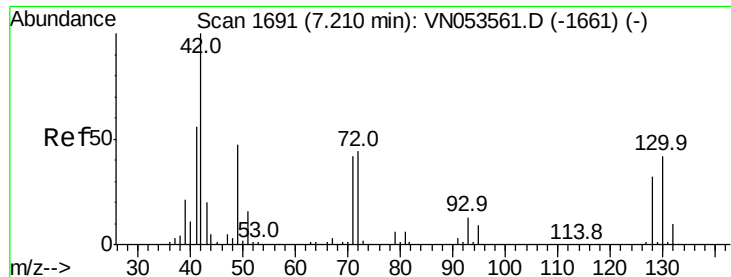
Tot Ion: 96 Resp: 343352
 Ion Ratio Lower Upper
 96 100
 61 138.2 0.0 283.8
 98 65.0 0.0 129.2



#28
 Bromochloromethane
 Concen: 40.999 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 49 Resp: 208145
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.0
 130 89.1 66.3 99.5





#29

Tetrahydrofuran

Concen: 217.991 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

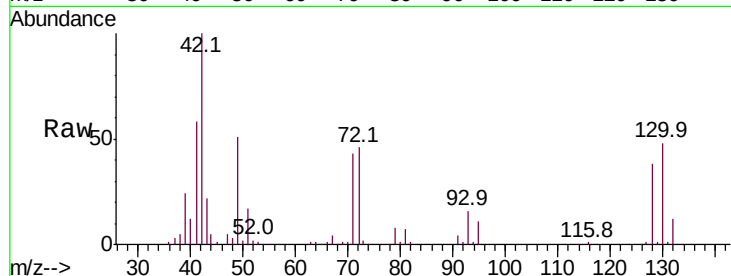
Tot Ion: 42 Resp: 329809

Ion Ratio Lower Upper

42 100

72 45.3 35.2 52.8

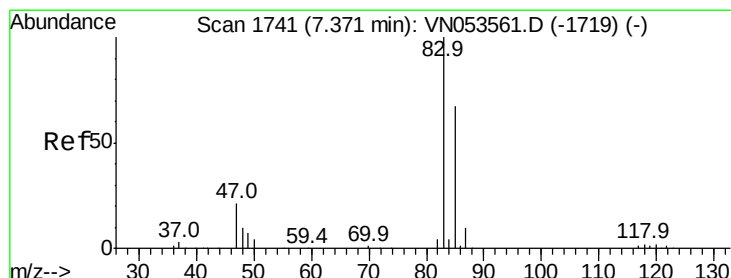
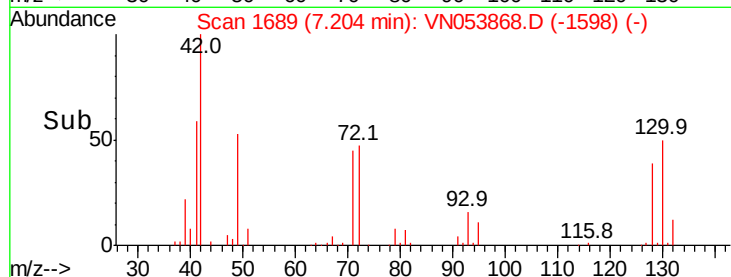
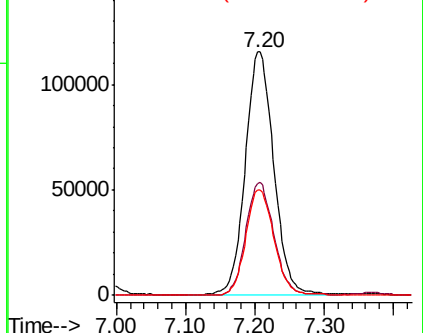
71 43.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.928 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN053868.D

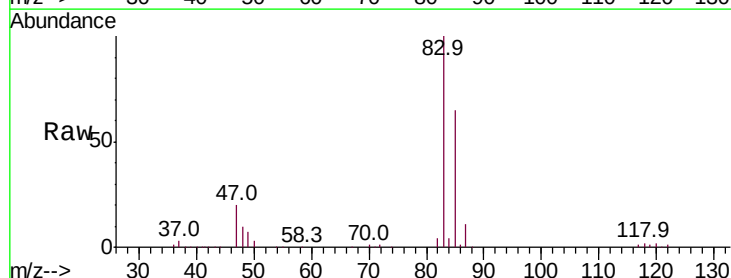
Acq: 19 Feb 2019 15:52

Tgt Ion: 83 Resp: 567415

Ion Ratio Lower Upper

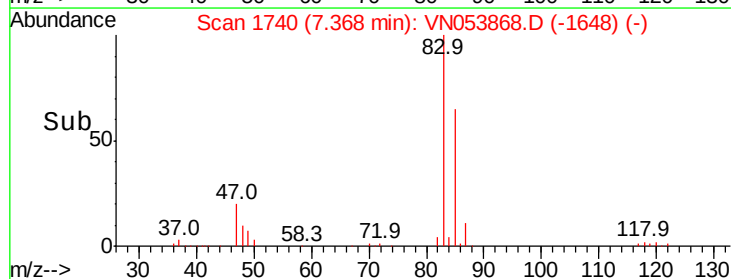
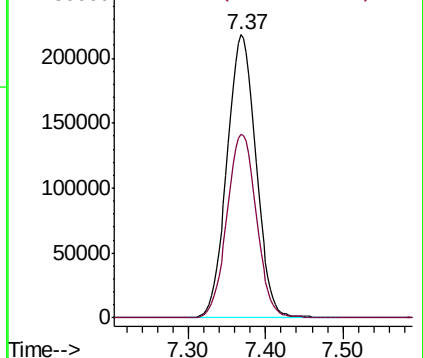
83 100

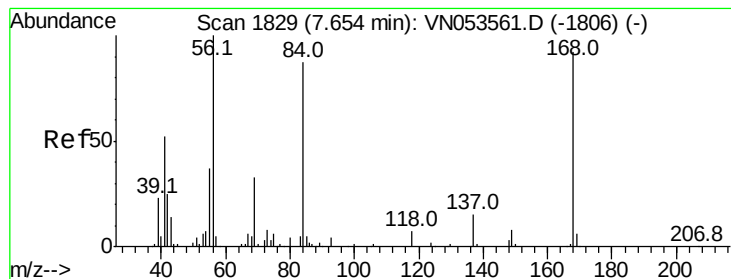
85 64.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.767 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

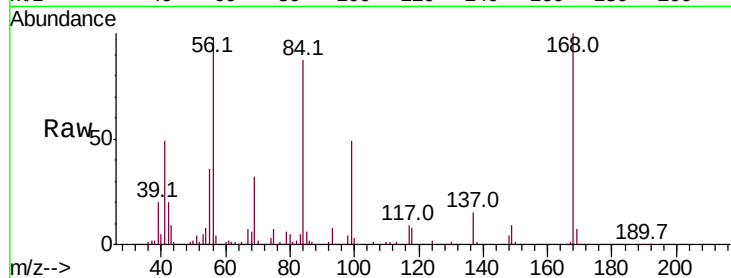
Tot Ion: 56 Resp: 476937

Ion Ratio Lower Upper

56 100

69 32.9 26.4 39.6

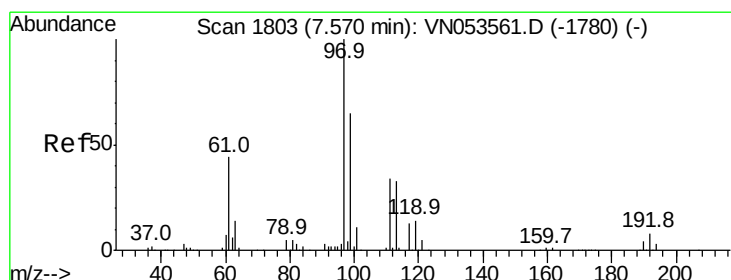
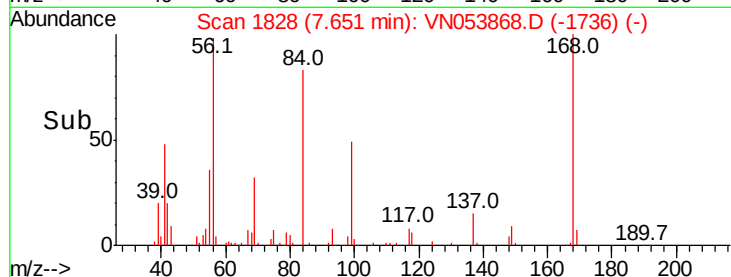
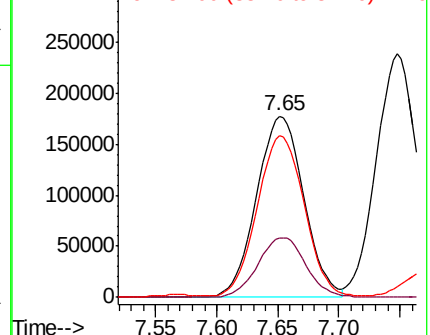
84 87.9 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.201 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

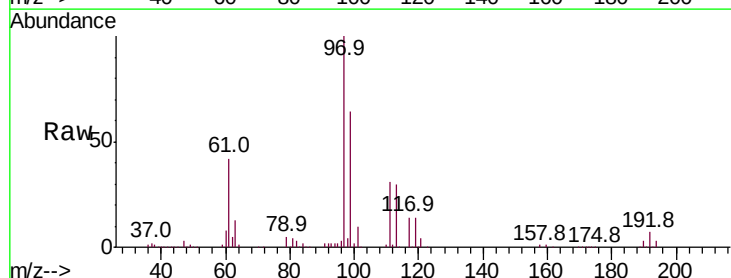
Tgt Ion: 97 Resp: 484494

Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

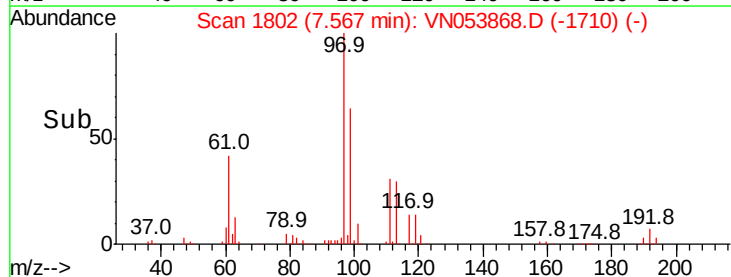
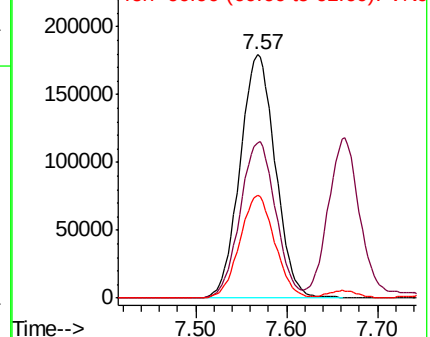
61 41.8 34.4 51.6

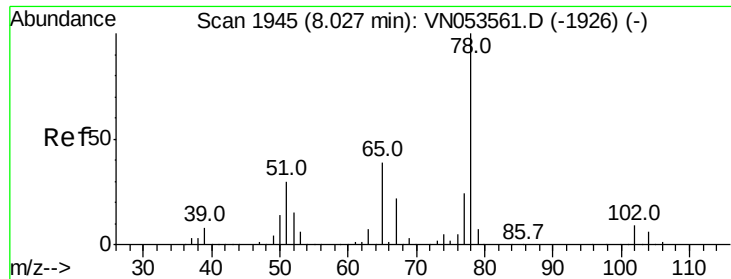


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

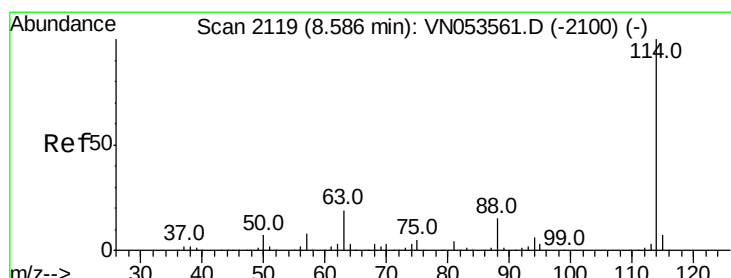
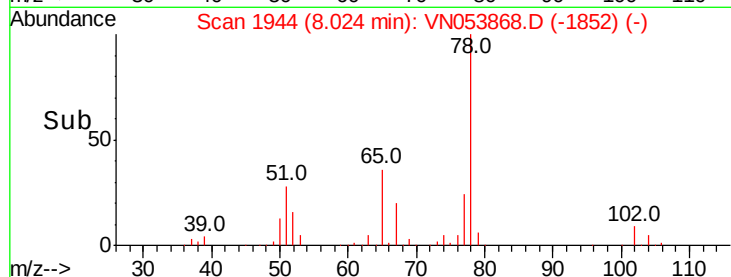
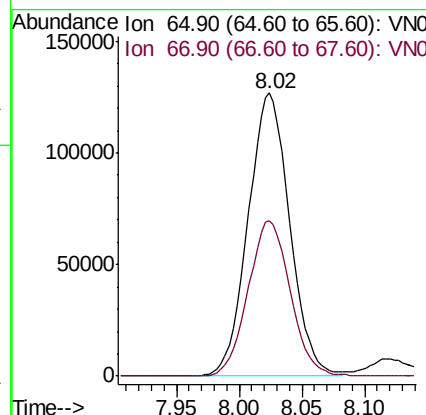
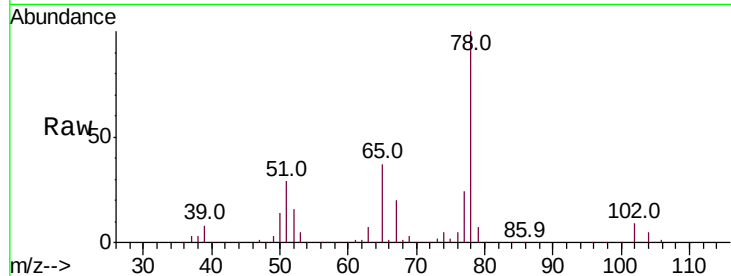




#33
 1,2-Dichloroethane-d4
 Concen: 45.435 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

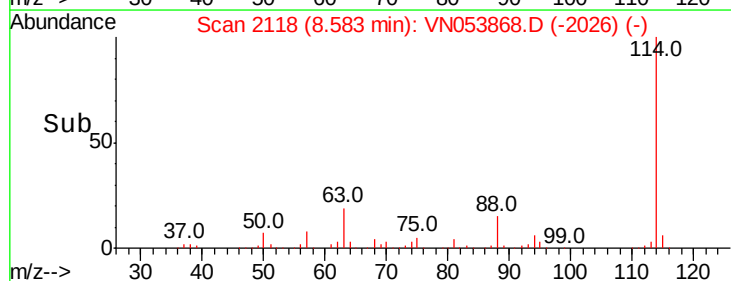
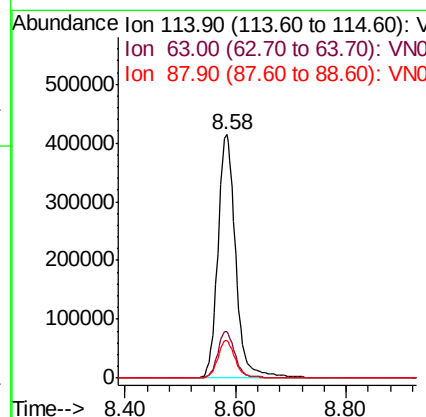
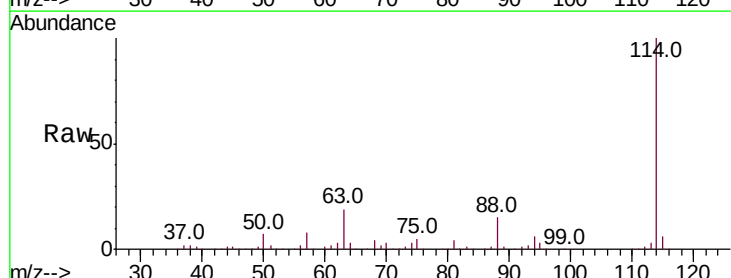
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

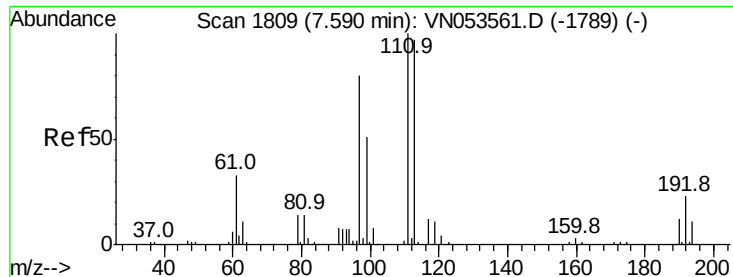
Tot Ion: 65 Resp: 292627
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 114 Resp: 922329
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.4

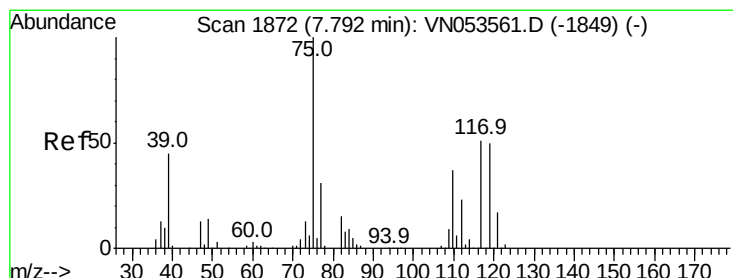
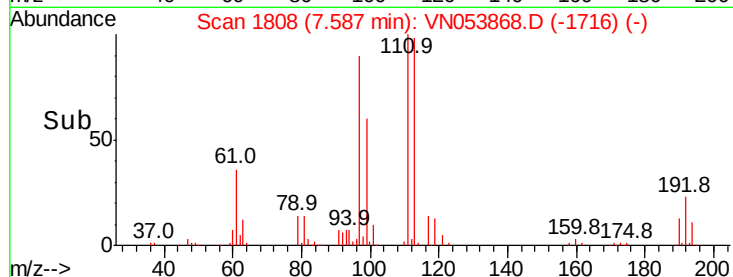
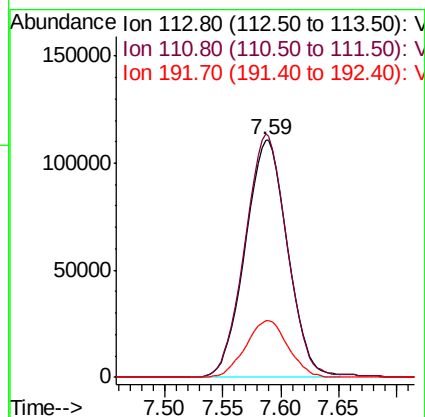
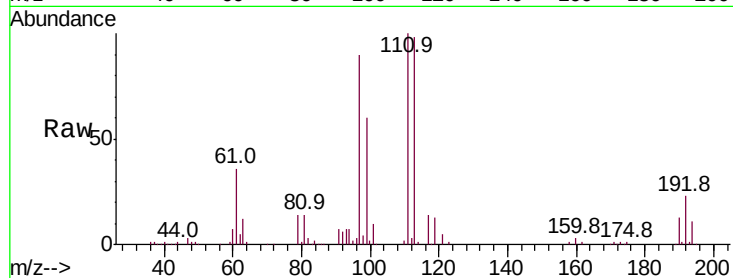




#35
 Dibromofluoromethane
 Concen: 48.268 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

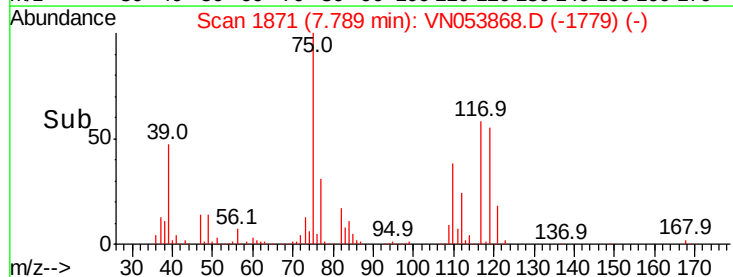
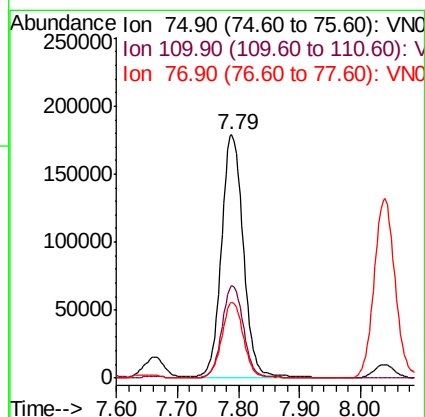
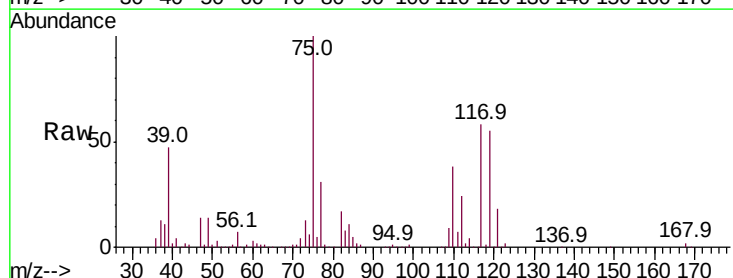
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

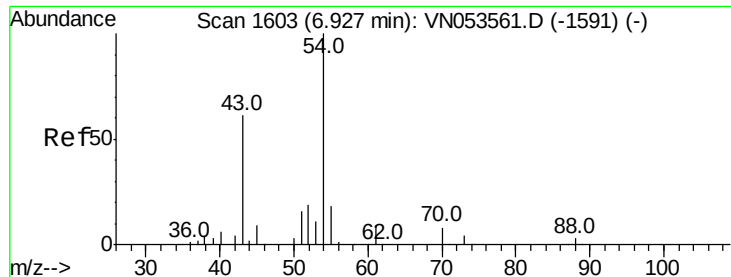
Tot Ion:113 Resp: 281305
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 24.0 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 53.696 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 75 Resp: 446443
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.1 54.3
 77 30.9 25.1 37.7

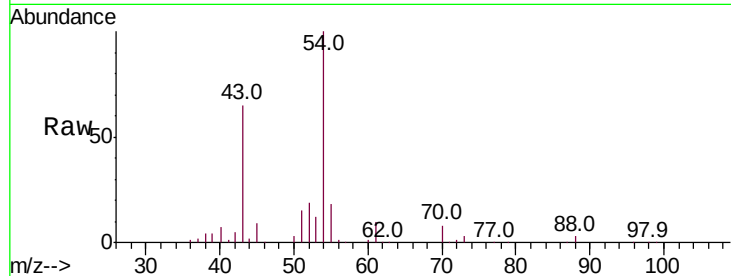




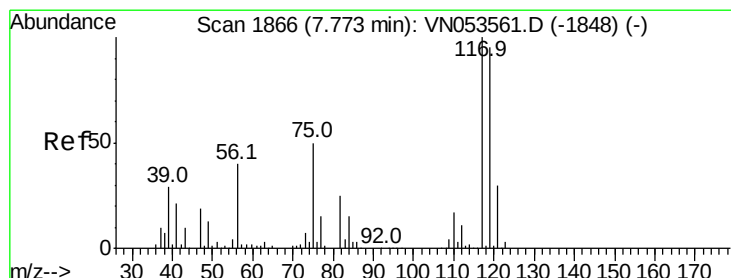
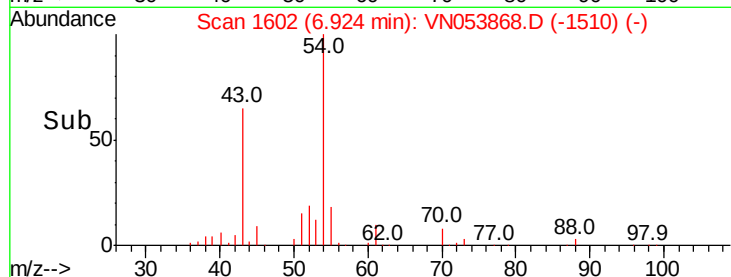
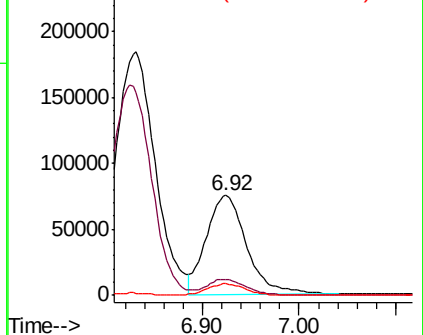
#37
Ethyl Acetate
Concen: 46.604 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 216405
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 10.8 8.6 12.8

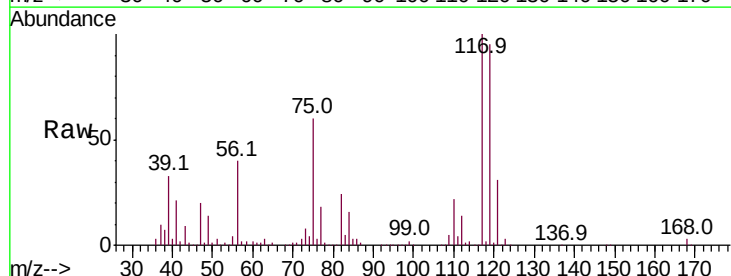


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

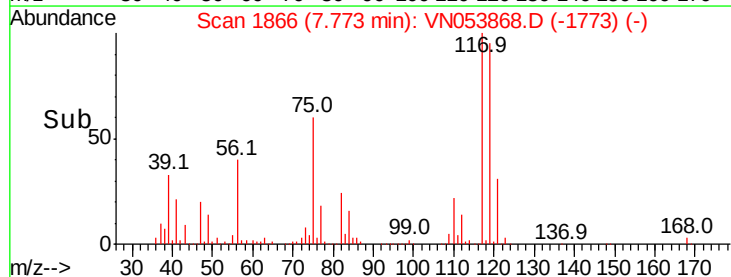
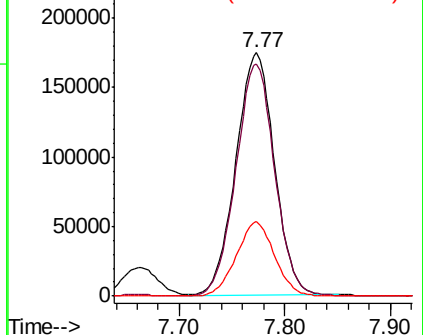


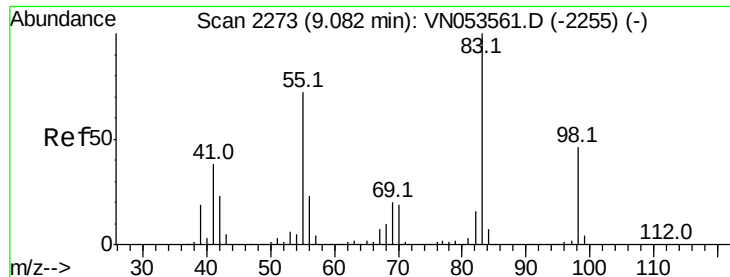
#38
Carbon Tetrachloride
Concen: 52.791 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 117 Resp: 442162
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8
121 30.9 24.6 37.0



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

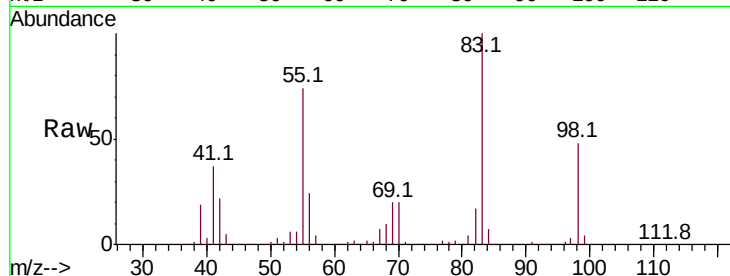




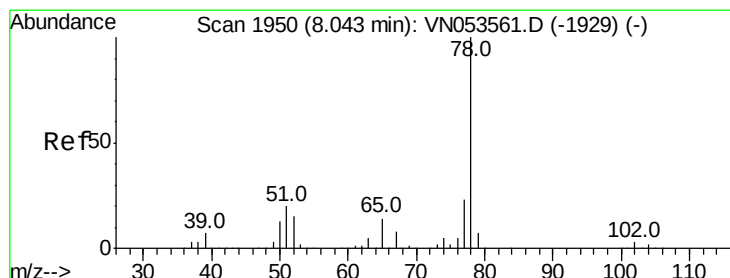
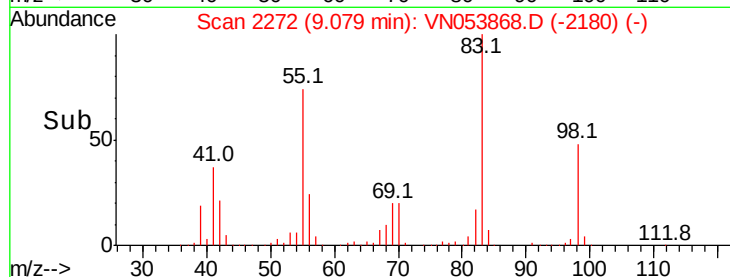
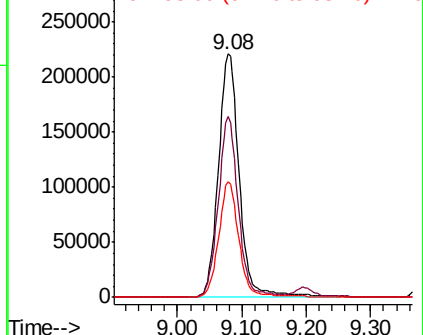
#39
Methylvlcyclohexane
Concen: 50.775 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 500843
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 47.7 36.6 55.0

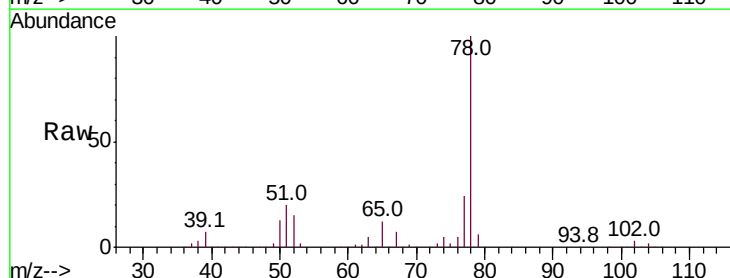


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

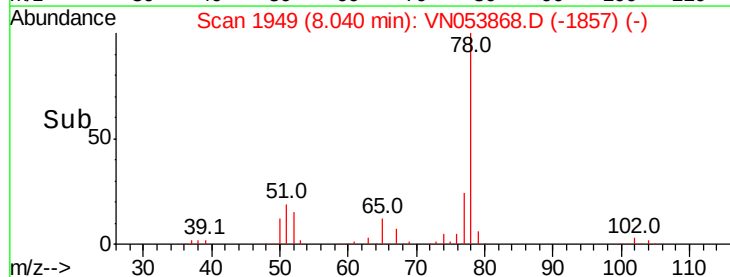
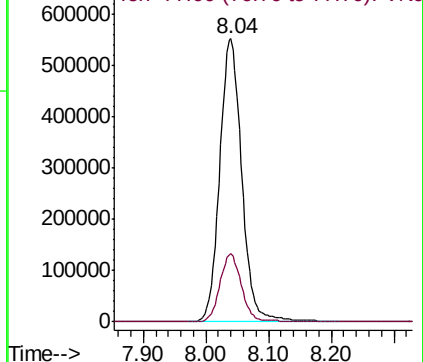


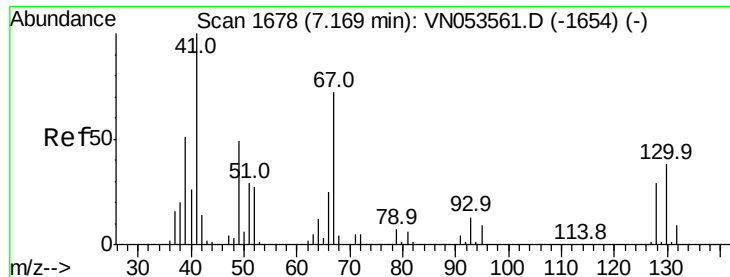
#40
Benzene
Concen: 52.483 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 78 Resp: 1345614
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



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





#41

Methacrylonitrile

Concen: 122.581 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.04 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 318129

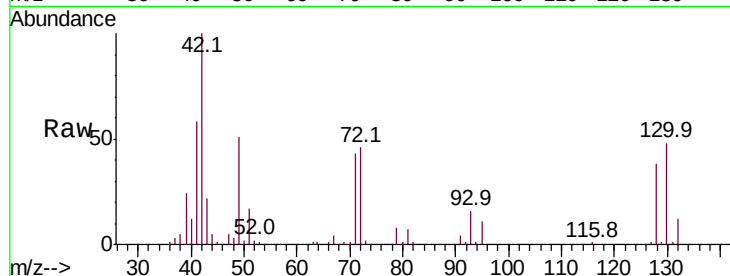
Ion Ratio Lower Upper

41 100

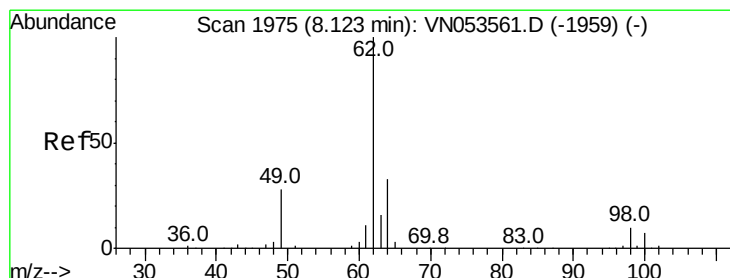
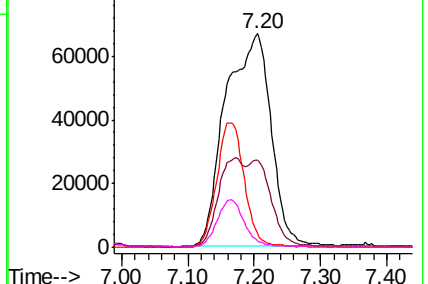
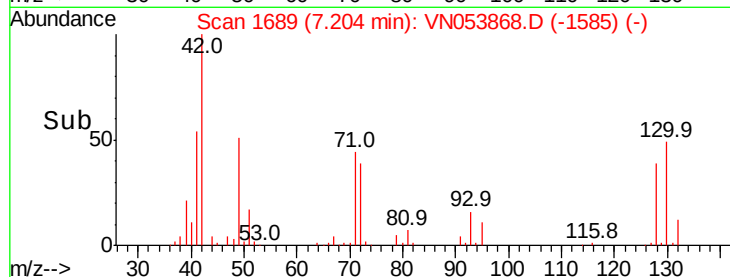
39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 51.667 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN053868.D

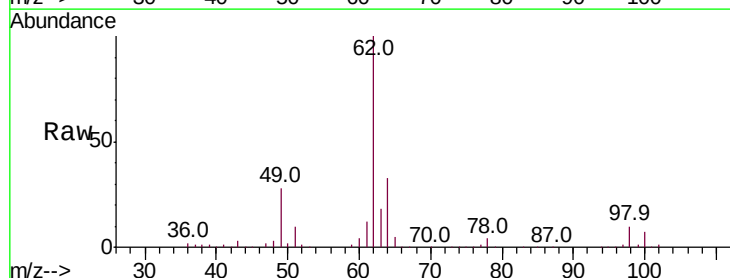
Acq: 19 Feb 2019 15:52

Tgt Ion: 62 Resp: 393326

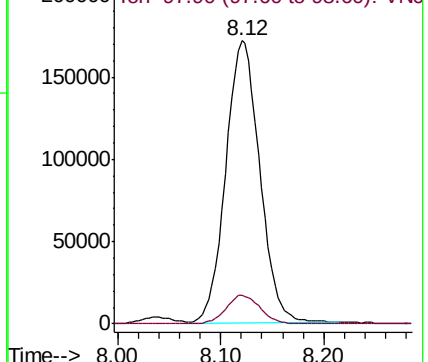
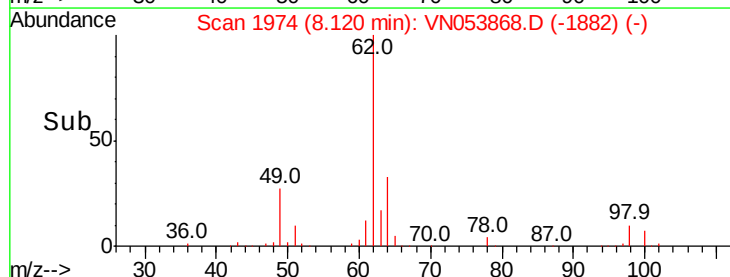
Ion Ratio Lower Upper

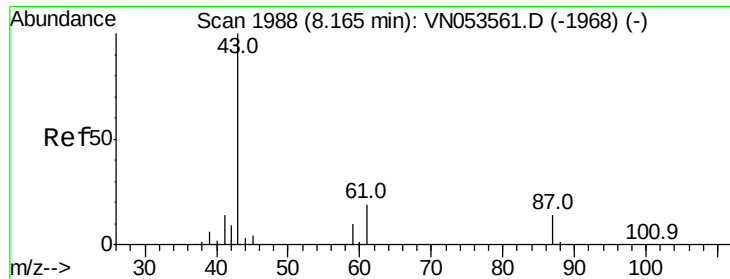
62 100

98 10.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.495 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

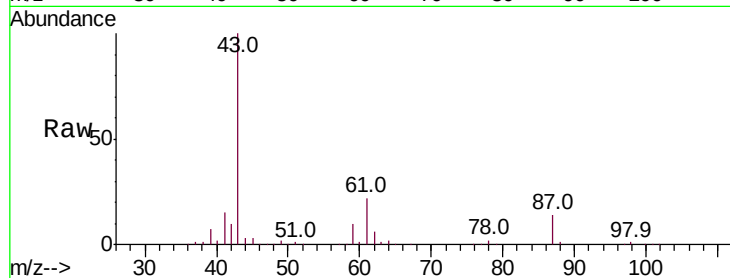
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 425915

Ion	Ratio	Lower	Upper
43	100		
61	21.5	23.9	35.9#
87	14.1	11.0	16.6

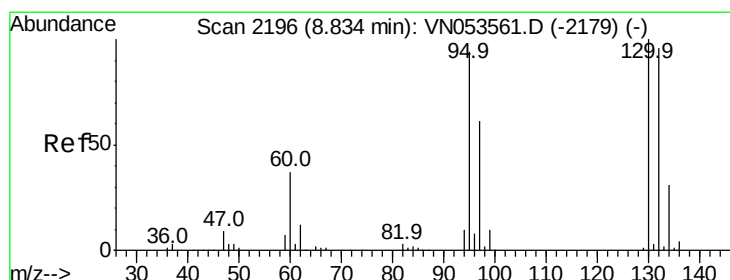
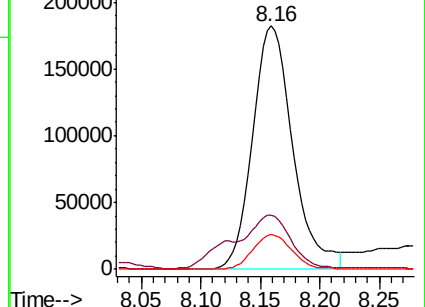
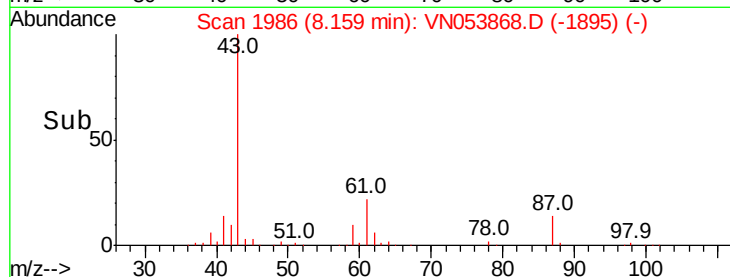


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 49.521 ug/l

RT: 8.83 min Scan# 2196

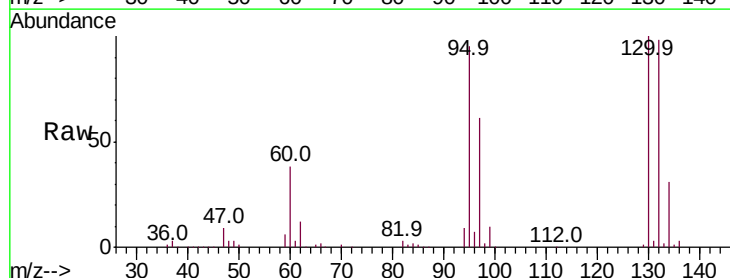
Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Tgt Ion:130 Resp: 361464

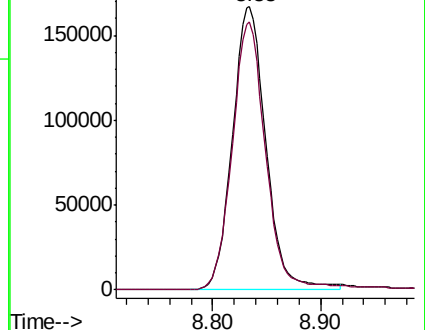
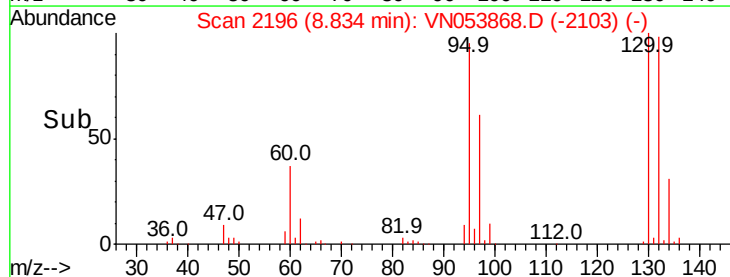
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	191.4

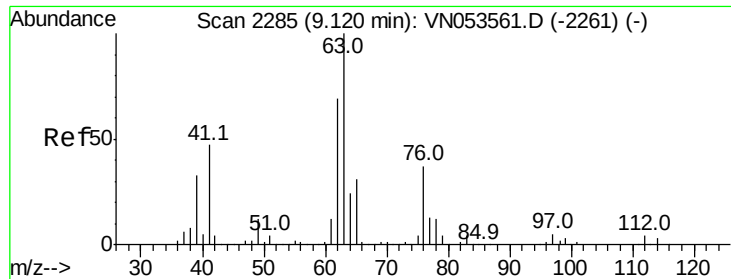


Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

Time-->

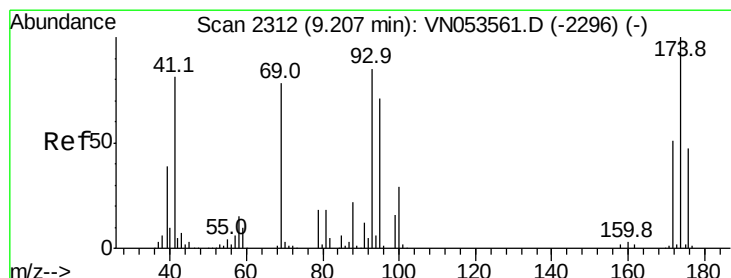
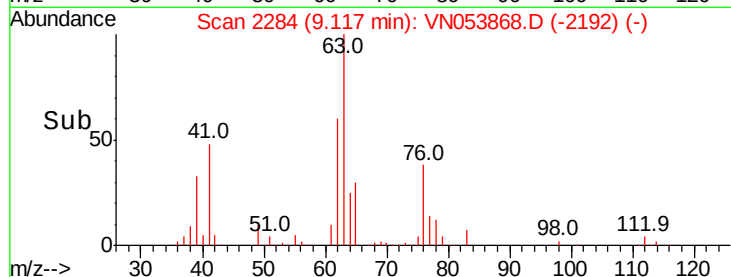
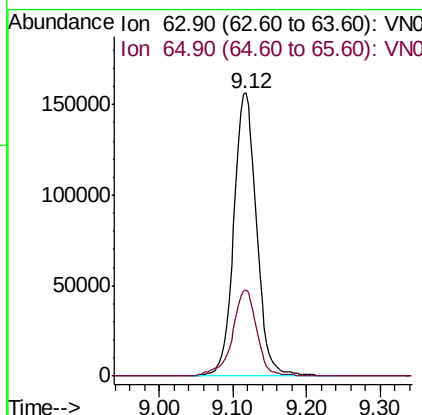
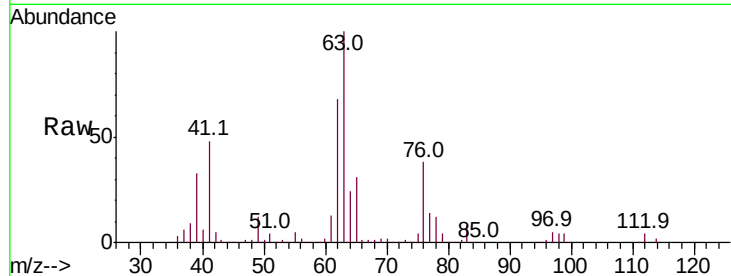




#45
 1,2-Dichloropropane
 Concen: 51.293 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

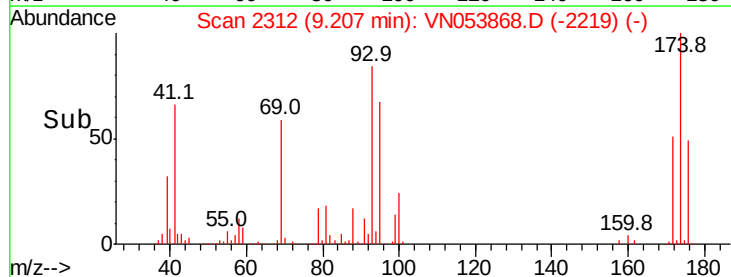
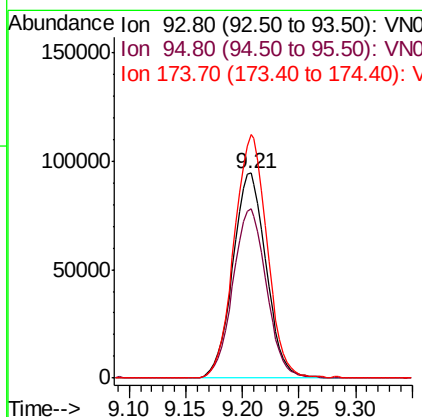
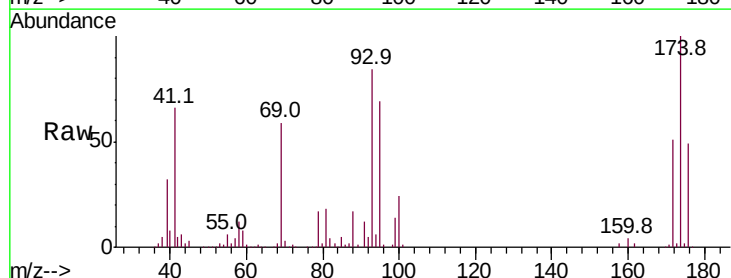
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

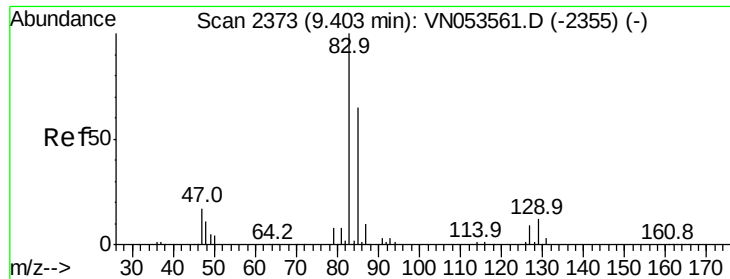
Tot Ion: 63 Resp: 336369
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 49.059 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 93 Resp: 193935
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.3 100.9
 174 117.4 91.0 136.4





#47

Bromodichloromethane

Concen: 52.312 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

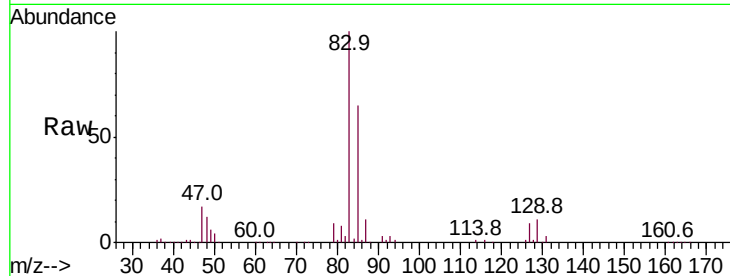
Tot Ion: 83 Resp: 429968

Ion Ratio Lower Upper

83 100

85 64.5 51.0 76.6

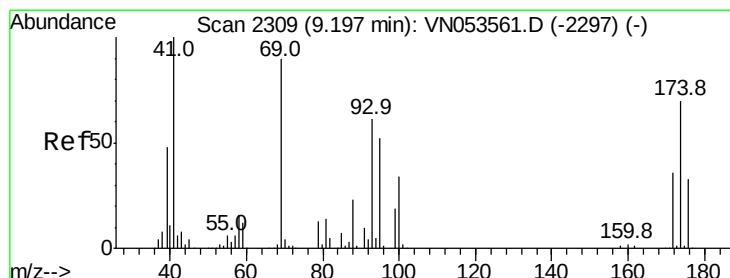
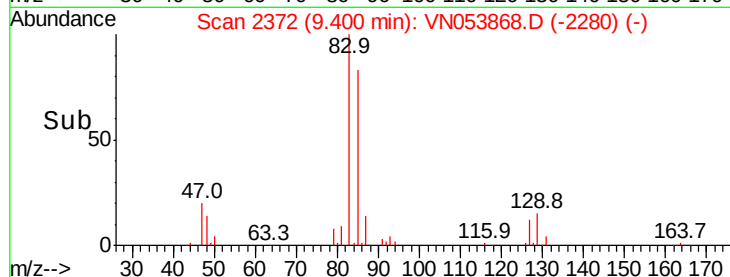
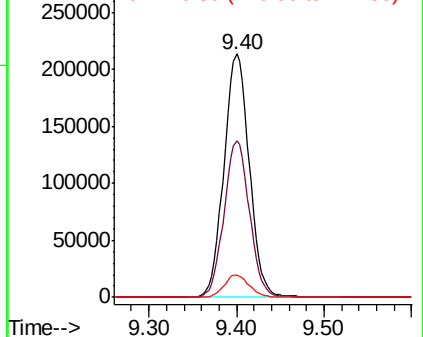
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 44.323 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

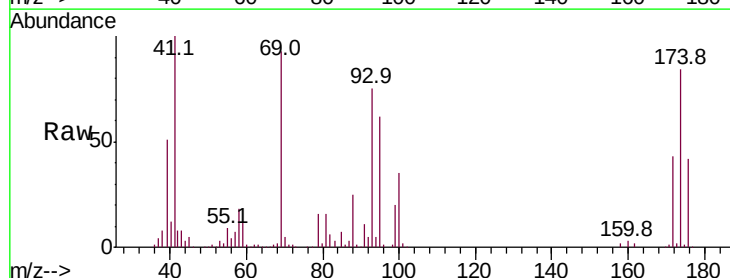
Tgt Ion: 41 Resp: 189731

Ion Ratio Lower Upper

41 100

69 101.6 73.8 110.6

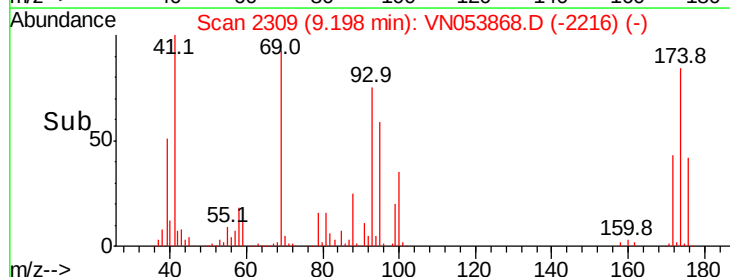
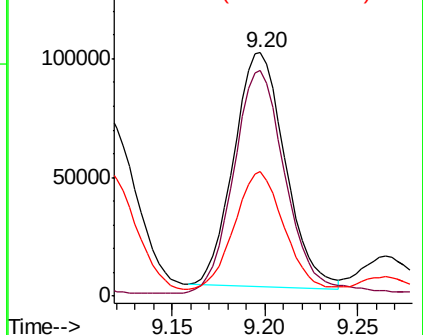
39 53.9 40.0 60.0

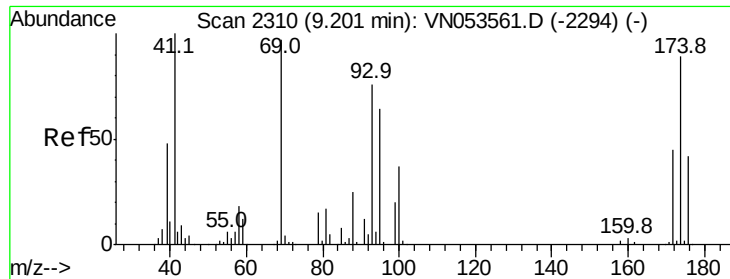


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

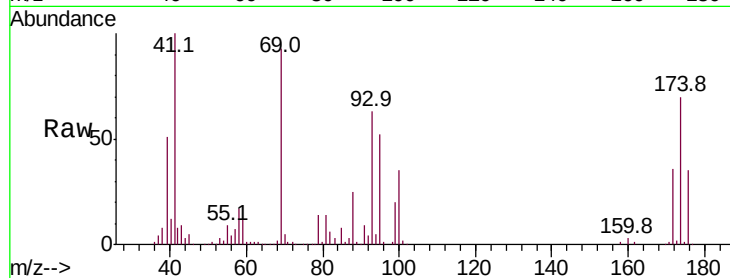




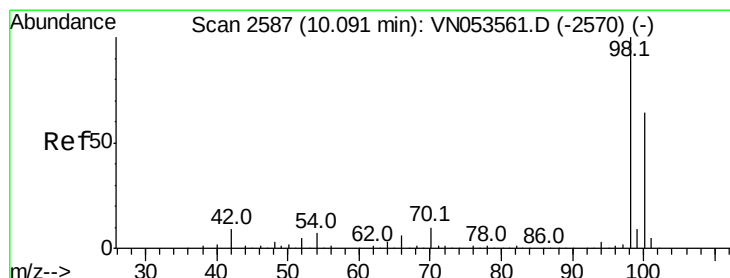
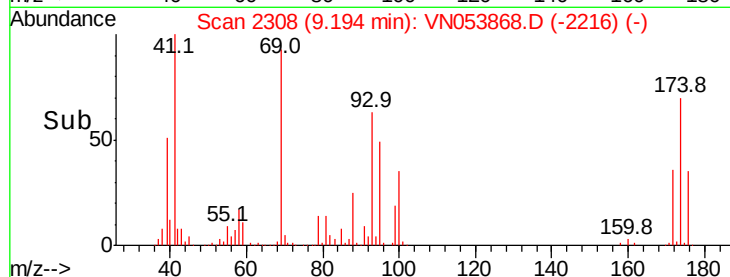
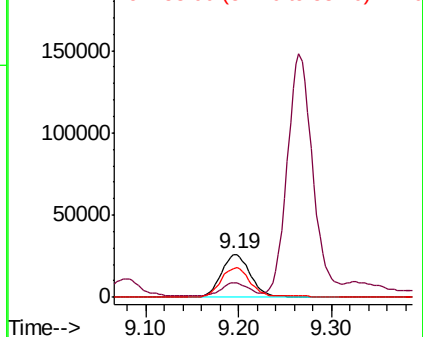
#49
1,4-Dioxane
Concen: 930.947 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 57569
Ion Ratio Lower Upper
88 100
43 29.8 27.8 41.6
58 69.0 56.5 84.7

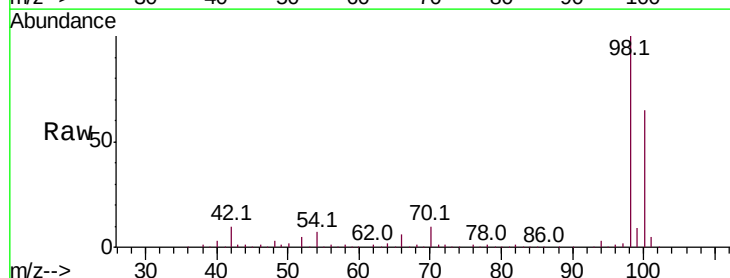


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

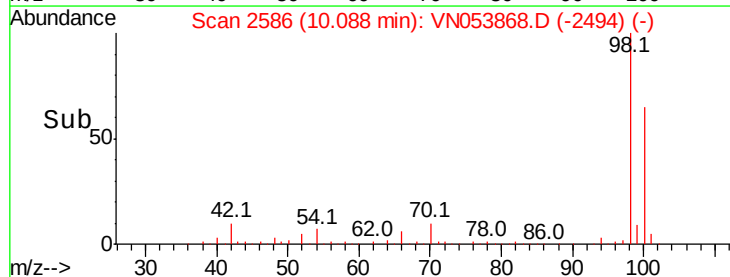
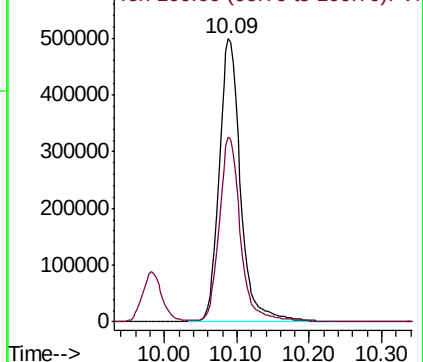


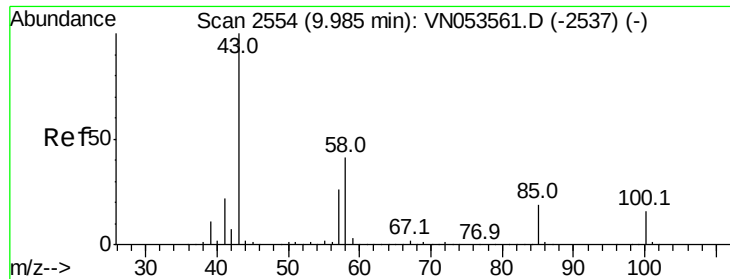
#50
Toluene-d8
Concen: 46.492 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 98 Resp: 1017372
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



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: 242.559 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

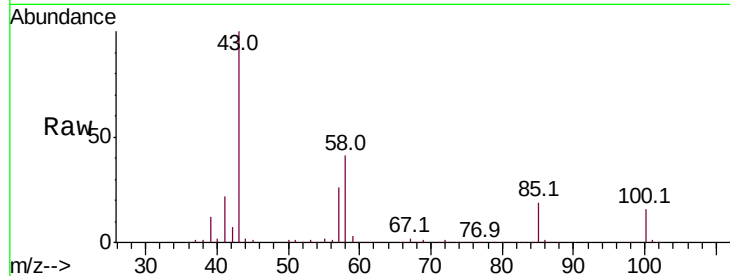
VSTDCCC050EC

Tot Ion: 43 Resp: 1068891

Ion Ratio Lower Upper

43 100

58 41.4 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

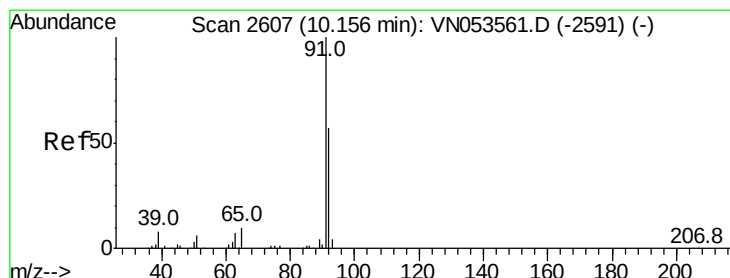
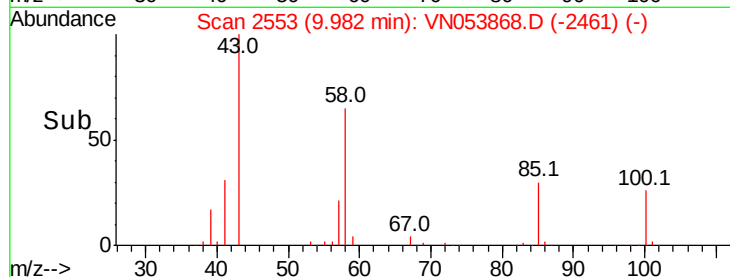
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.890 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053868.D

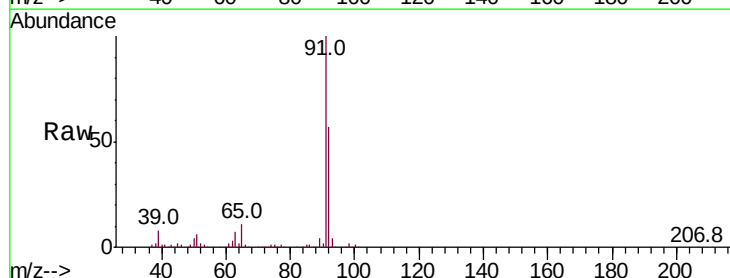
Acq: 19 Feb 2019 15:52

Tgt Ion: 92 Resp: 774376

Ion Ratio Lower Upper

92 100

91 173.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

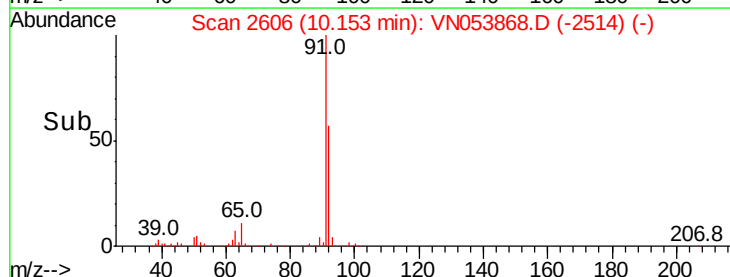
600000

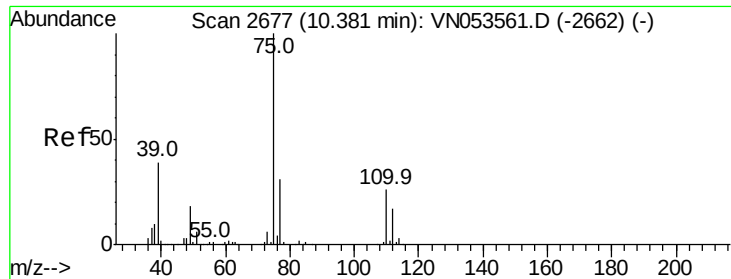
400000

200000

0

Time-->

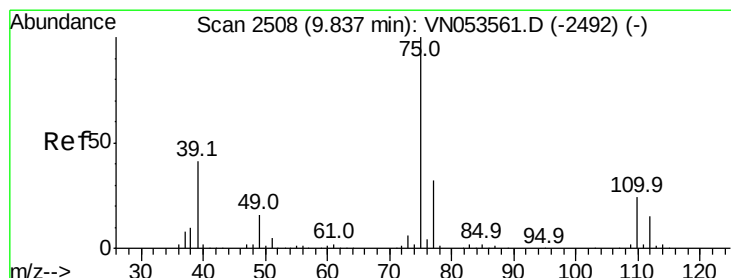
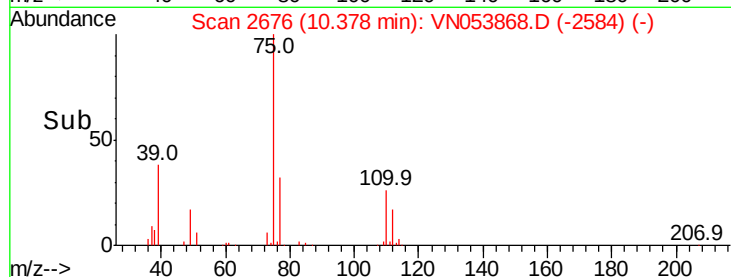
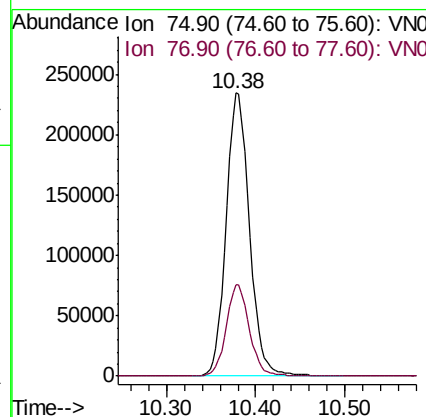
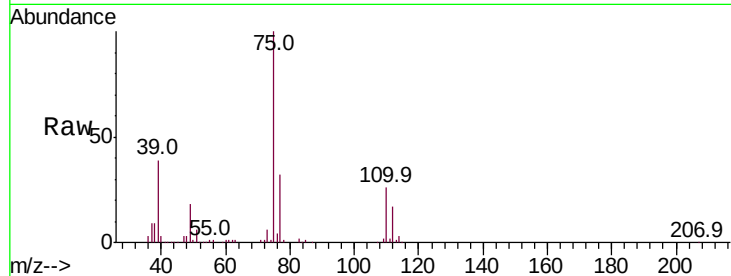




#53
t-1,3-Dichloropropene
Concen: 51.576 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

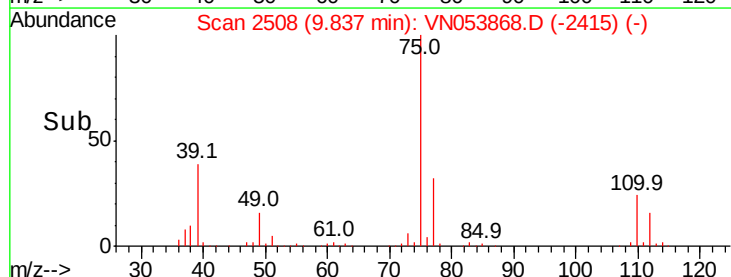
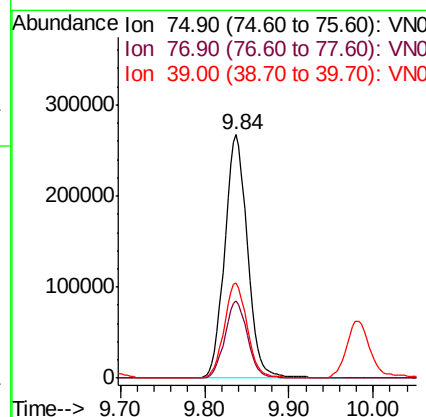
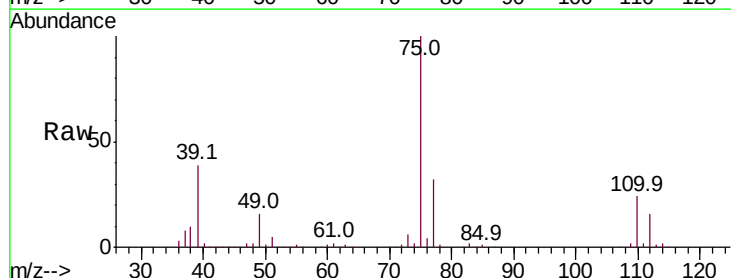
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

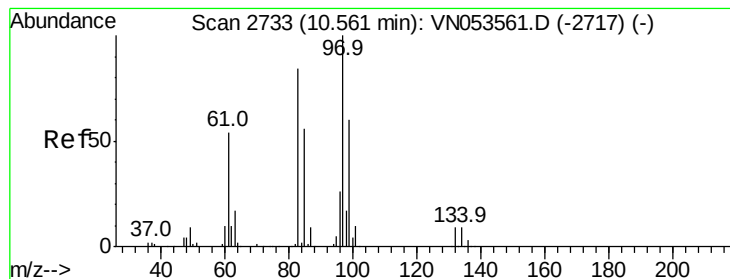
Tot Ion: 75 Resp: 424489
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 51.416 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 75 Resp: 501457
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
39 39.1 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 51.721 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 283593

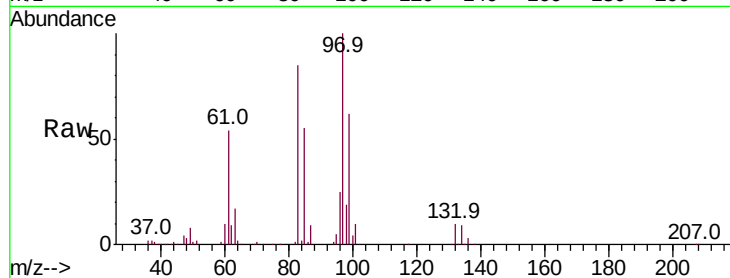
Ion Ratio Lower Upper

97 100

83 85.4 70.1 105.1

85 55.3 45.4 68.0

99 61.8 49.8 74.8

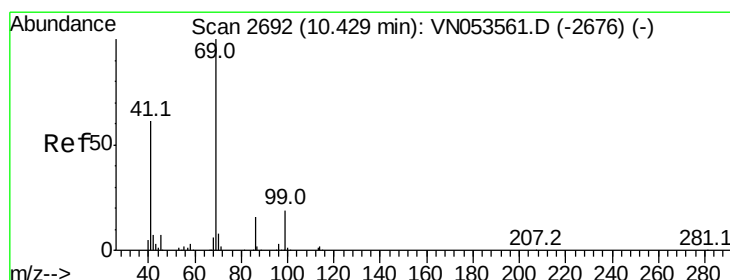
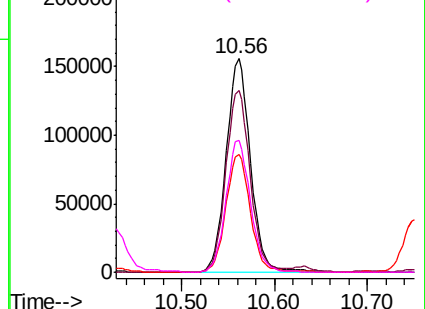
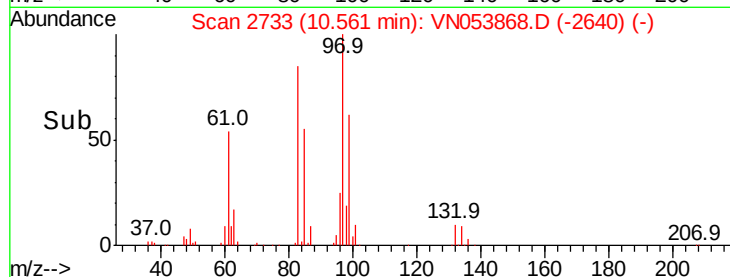


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.322 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

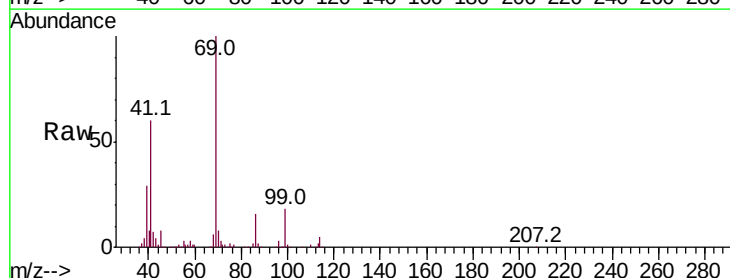
Tgt Ion: 69 Resp: 326418

Ion Ratio Lower Upper

69 100

41 59.2 49.4 74.0

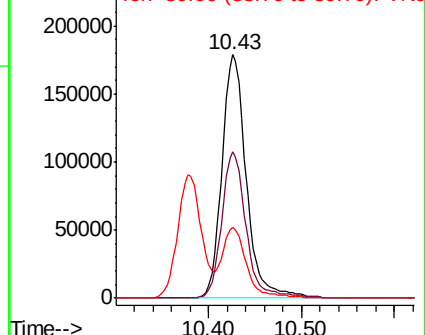
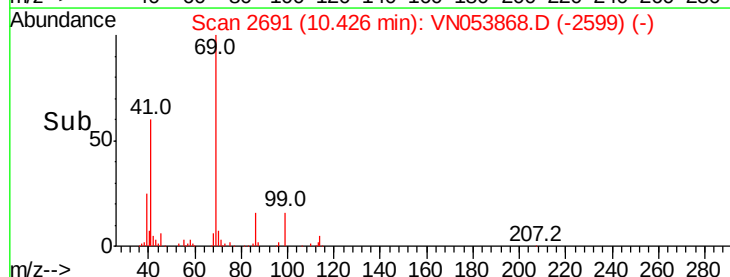
39 28.7 23.3 34.9

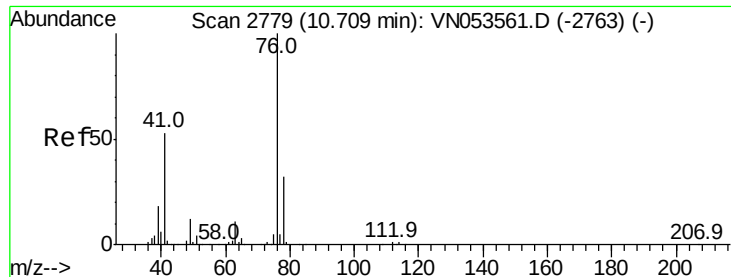


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.731 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

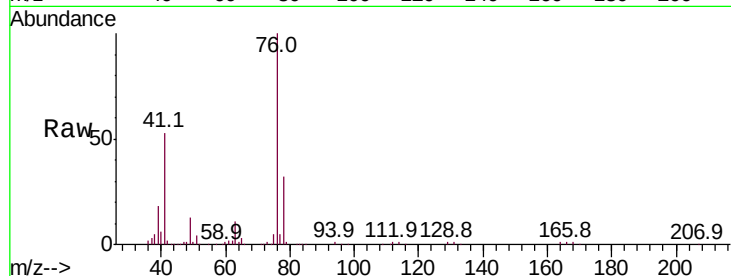
VSTDCCC050EC

Tot Ion: 76 Resp: 466032

Ion Ratio Lower Upper

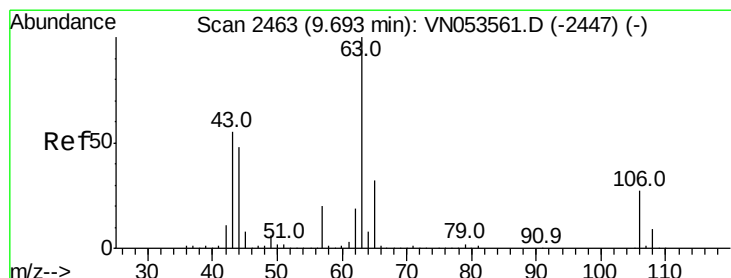
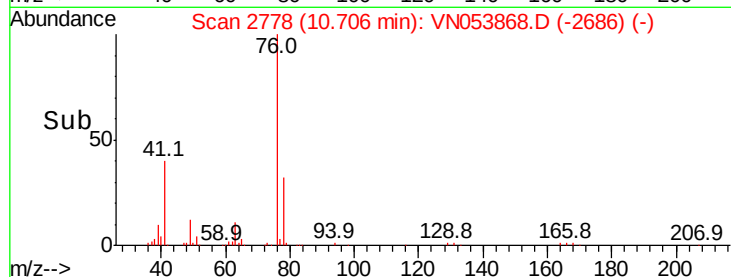
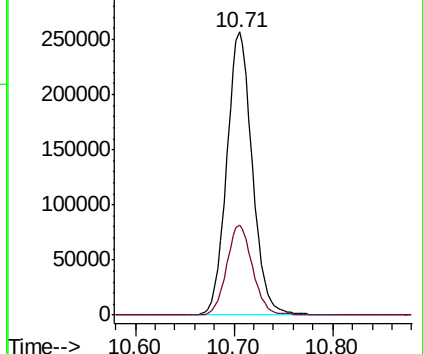
76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 178.735 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053868.D

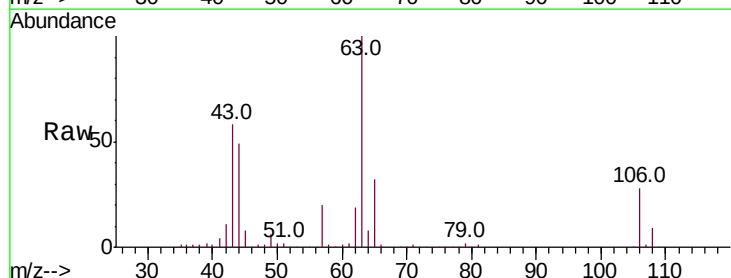
Acq: 19 Feb 2019 15:52

Tgt Ion: 63 Resp: 709530

Ion Ratio Lower Upper

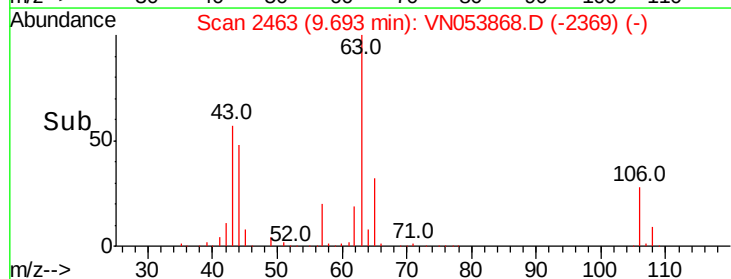
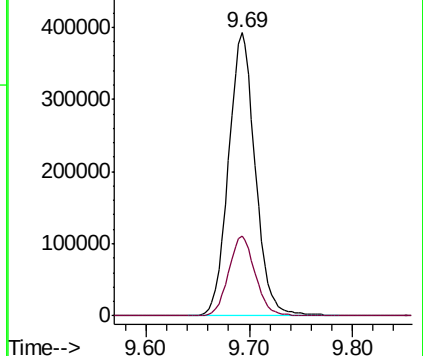
63 100

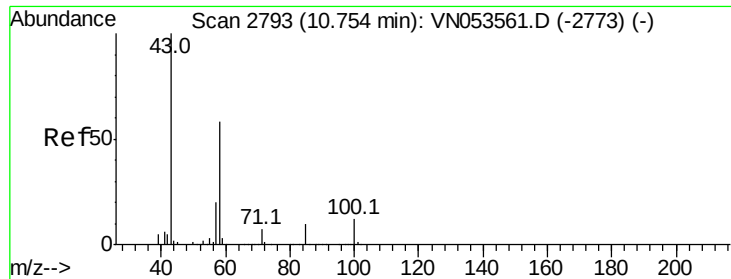
106 28.2 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

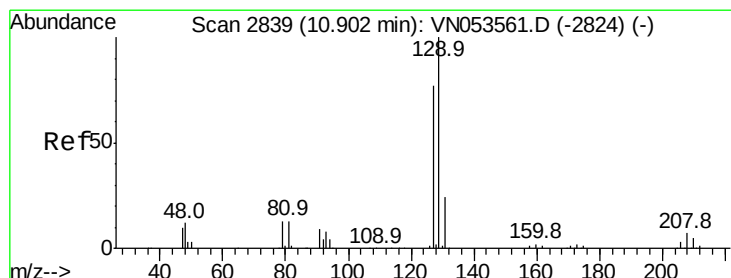
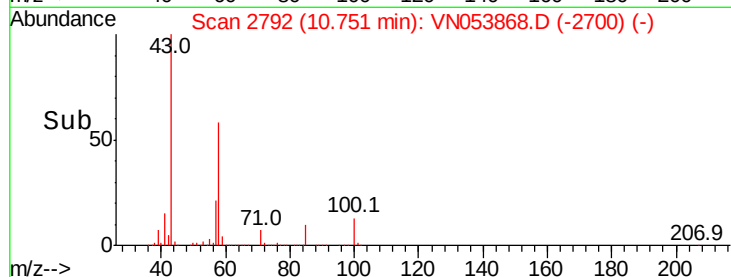
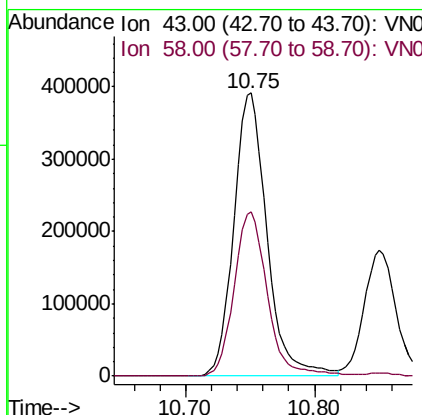
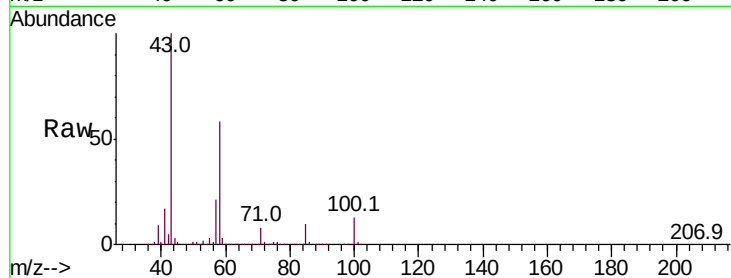




#59
2-Hexanone
Concen: 233.095 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

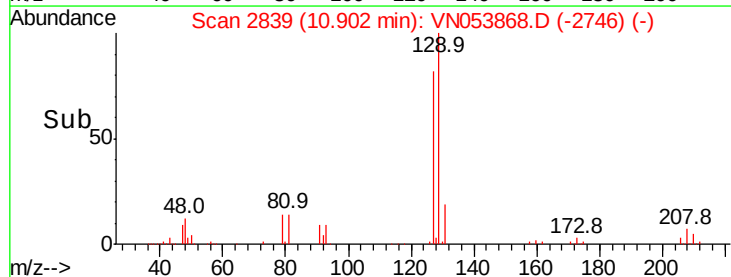
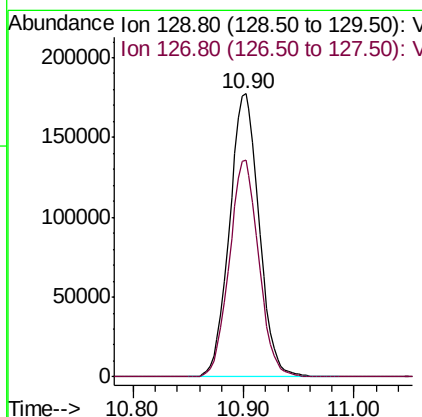
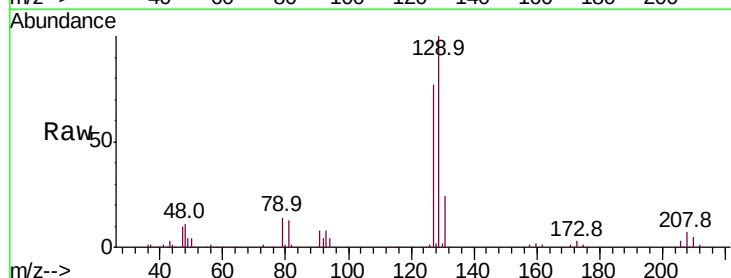
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

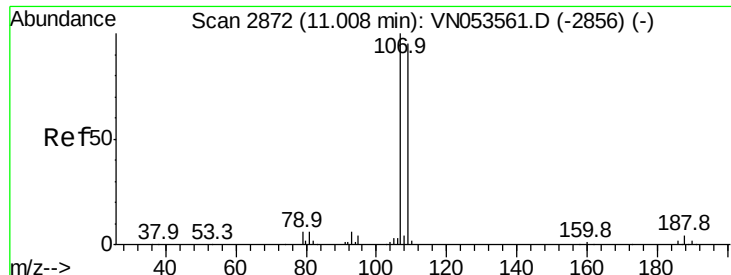
Tot Ion: 43 Resp: 697326
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.8



#60
Dibromochloromethane
Concen: 53.397 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 129 Resp: 330168
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8

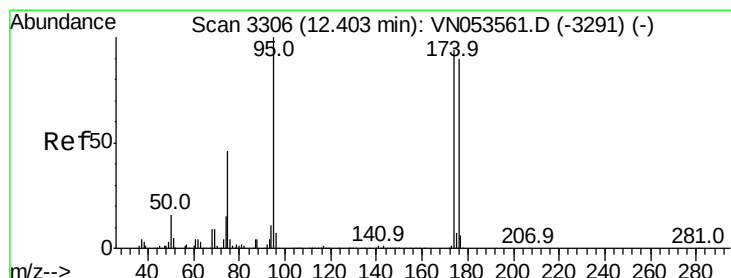
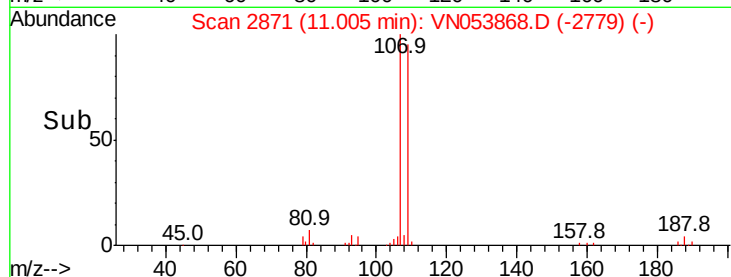
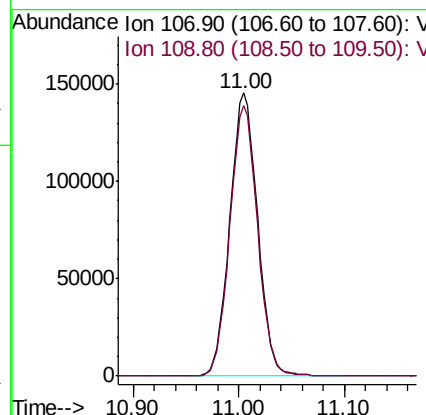
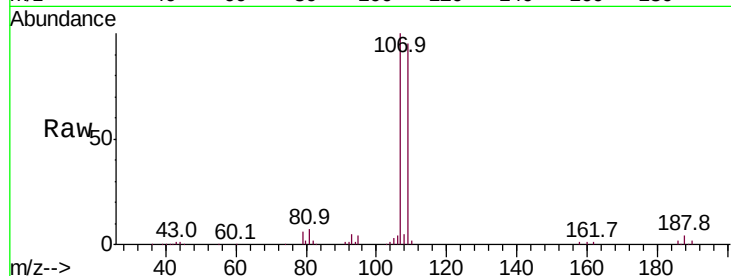




#61
 1,2-Dibromoethane
 Concen: 48.670 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

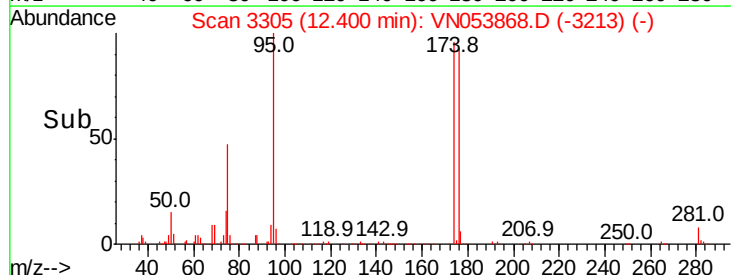
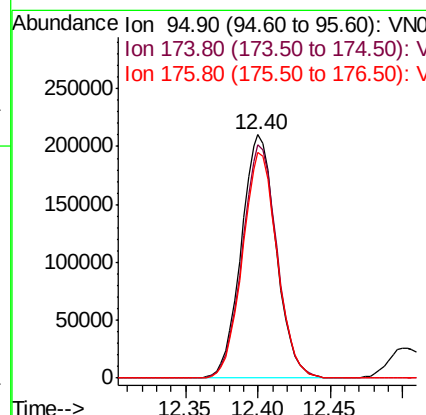
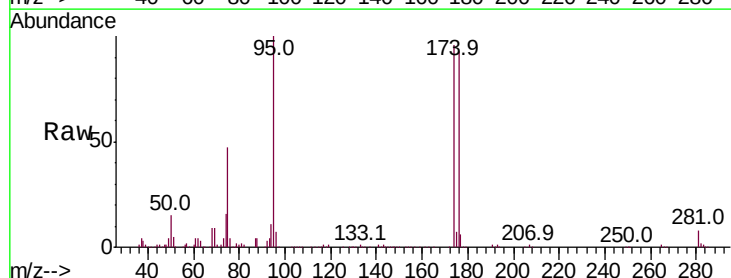
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

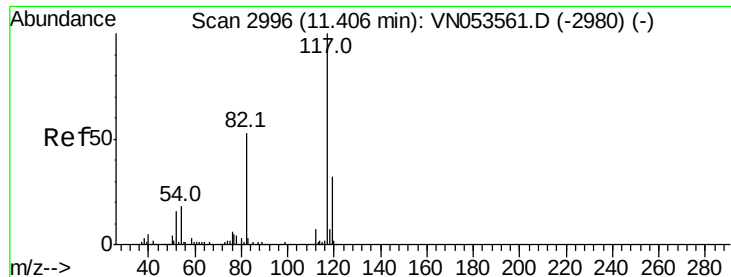
Tot Ion:107 Resp: 264133
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.027 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion: 95 Resp: 350512
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 183.2
 176 92.4 0.0 177.4

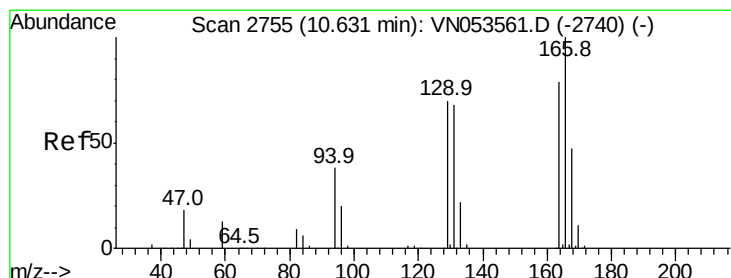
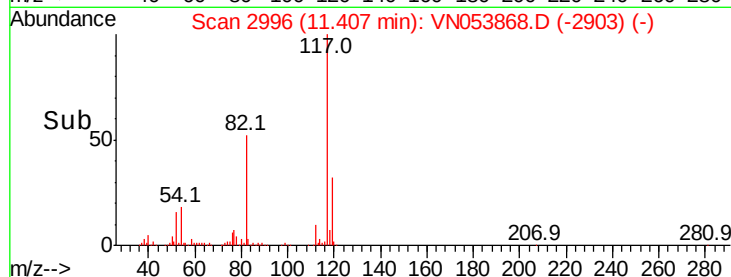
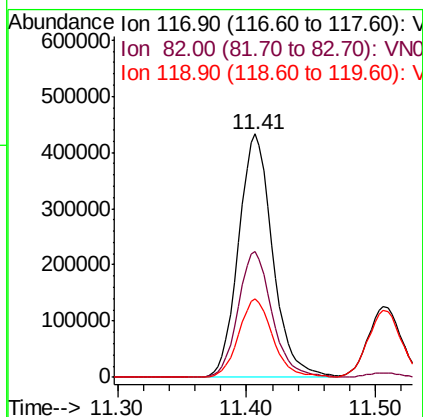
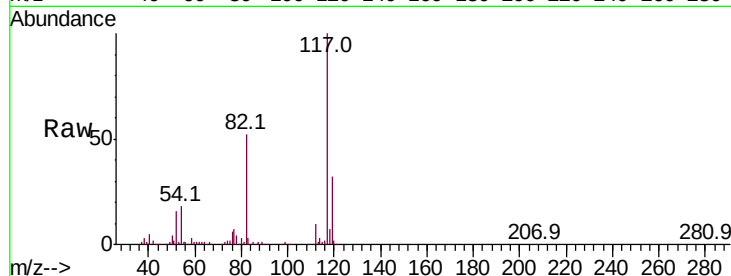




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

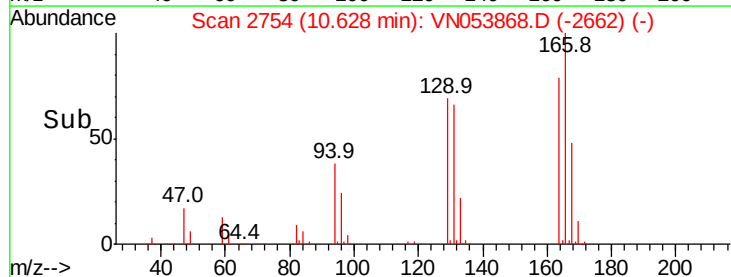
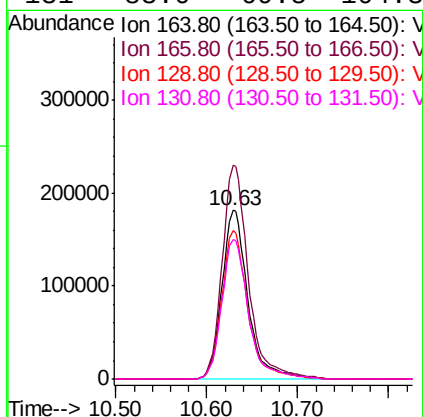
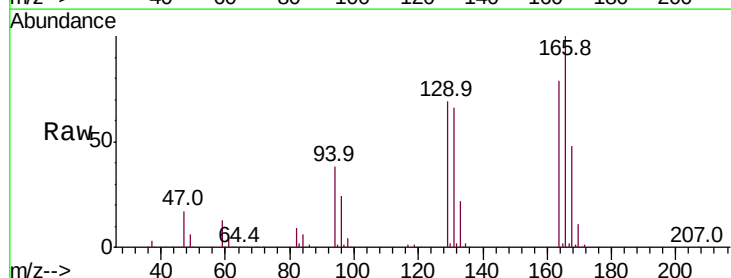
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

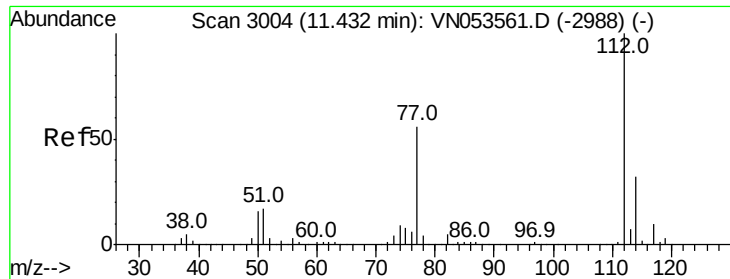
Tot Ion:117 Resp: 797808
Ion Ratio Lower Upper
117 100
82 51.8 42.9 64.3
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 52.833 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion:164 Resp: 361321
Ion Ratio Lower Upper
164 100
166 126.5 102.2 153.4
129 87.9 72.6 109.0
131 83.0 69.5 104.3

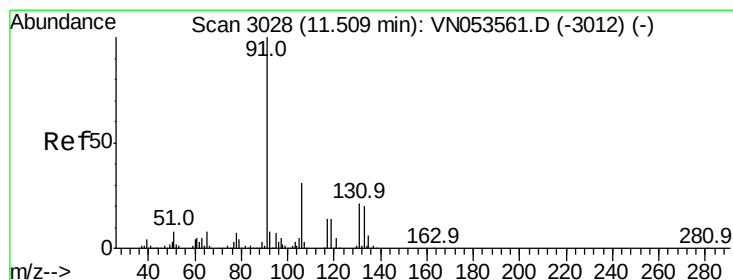
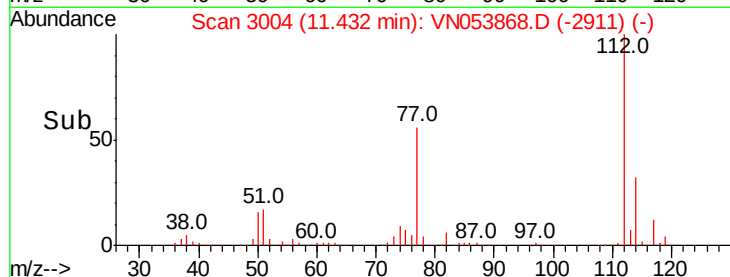
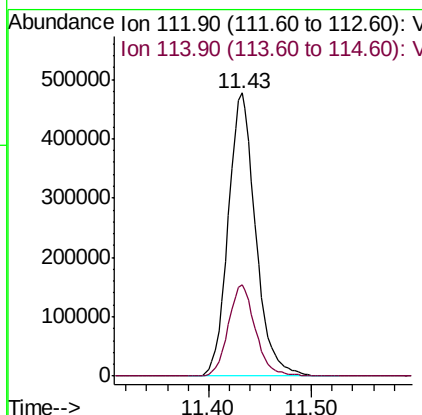
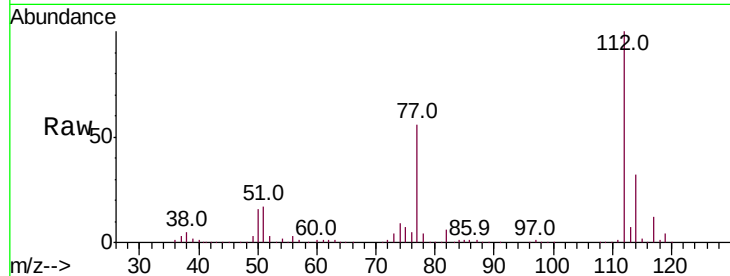




#65
Chlorobenzene
Concen: 52.024 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

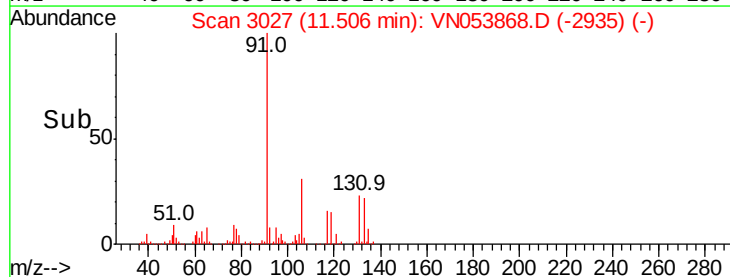
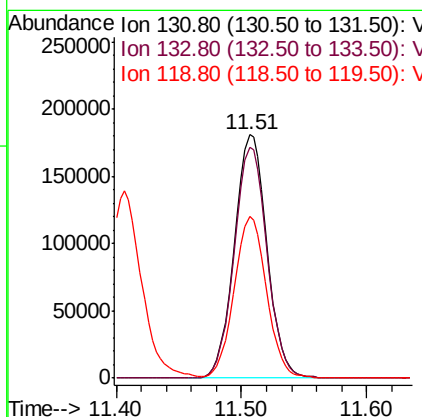
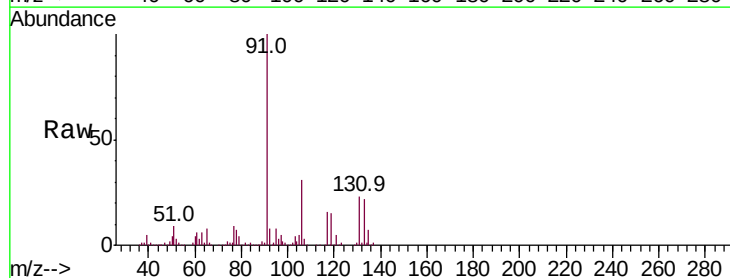
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

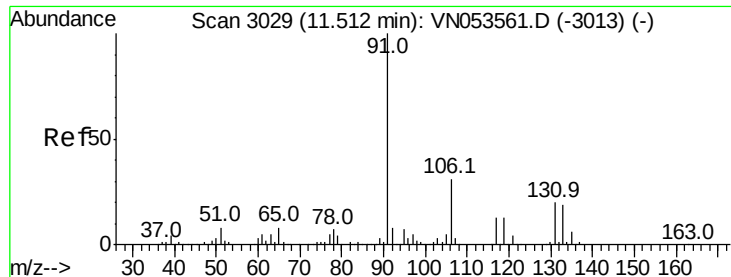
Tot Ion:112 Resp: 881622
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.368 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion:131 Resp: 327683
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.0 33.5 100.5

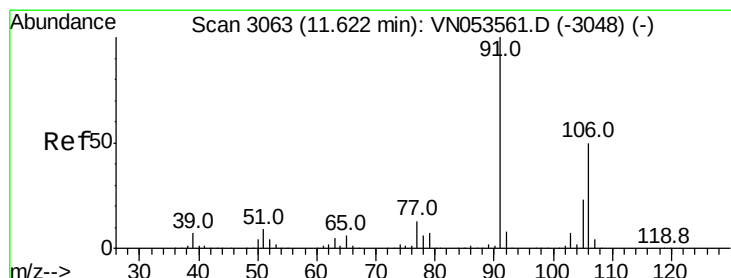
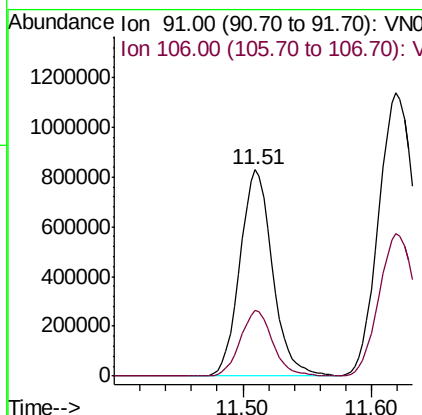
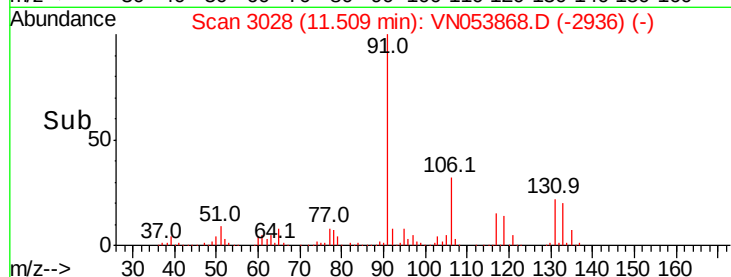
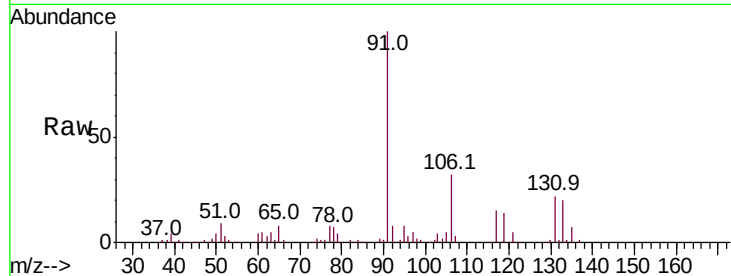




#67
Ethyl Benzene
Concen: 52.457 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

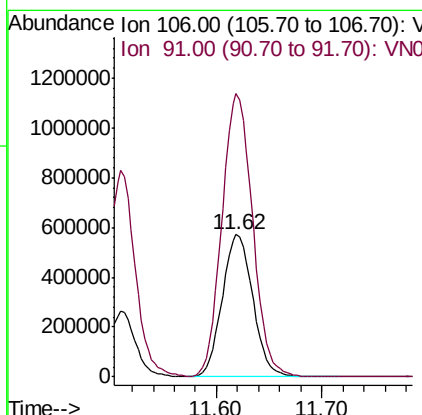
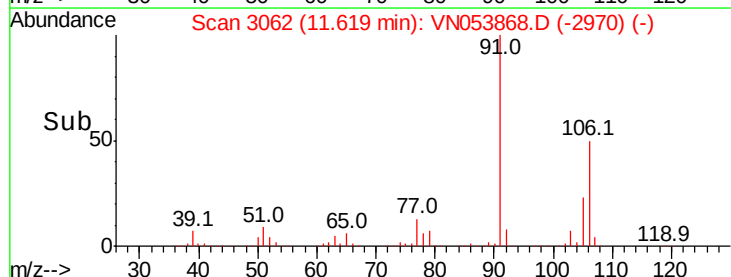
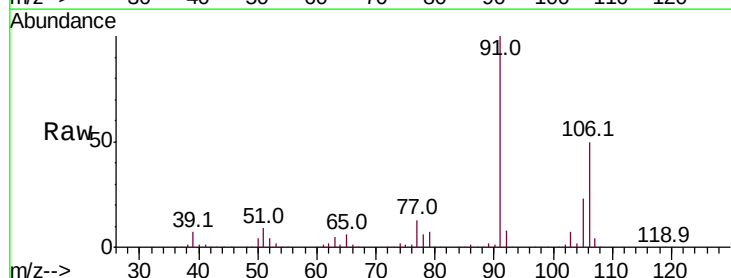
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

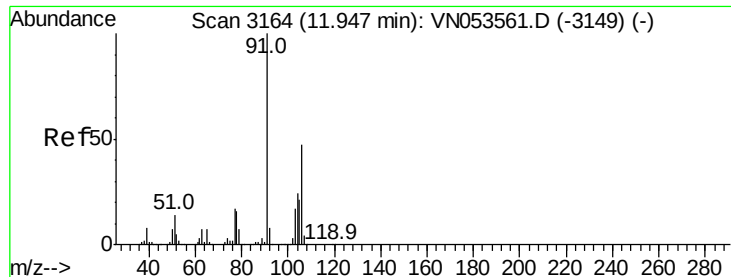
Tot Ion: 91 Resp: 1460275
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 108.079 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion: 106 Resp: 1148289
Ion Ratio Lower Upper
106 100
91 199.2 161.4 242.2

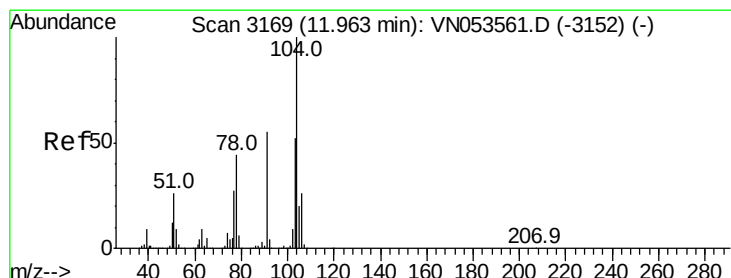
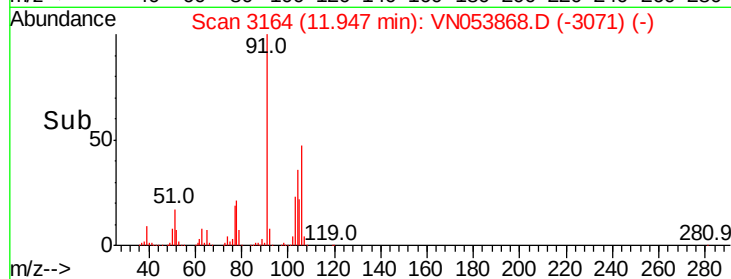
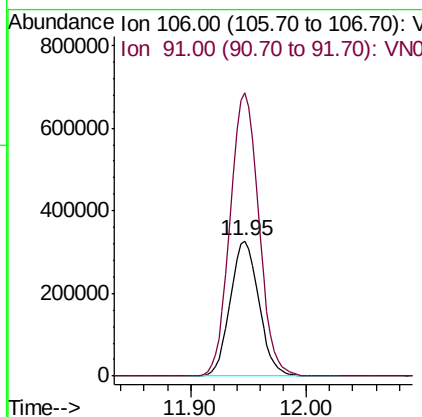
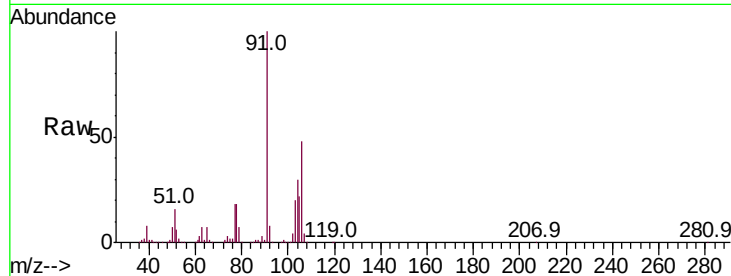




#69
o-Xylene
Concen: 54.153 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

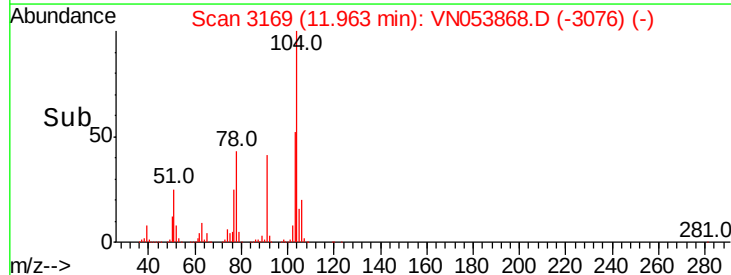
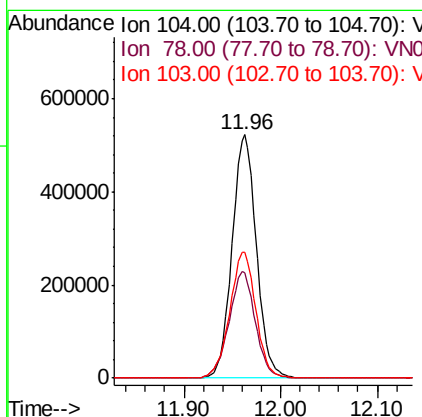
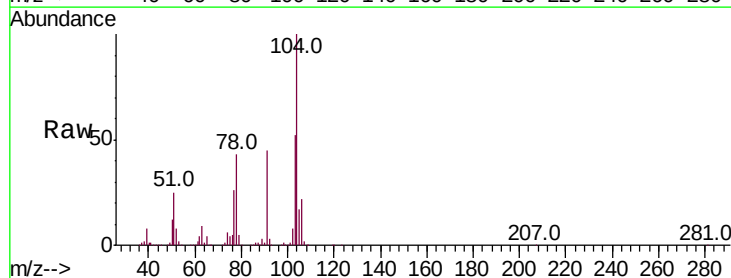
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

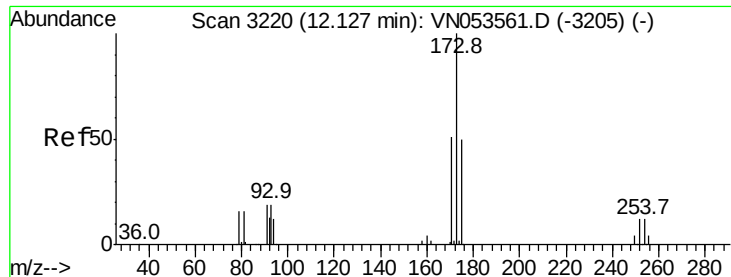
Tot Ion:106 Resp: 555840
Ion Ratio Lower Upper
106 100
91 210.8 106.9 320.8



#70
Styrene
Concen: 54.753 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053868.D
Acq: 19 Feb 2019 15:52

Tgt Ion:104 Resp: 910911
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 55.467 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

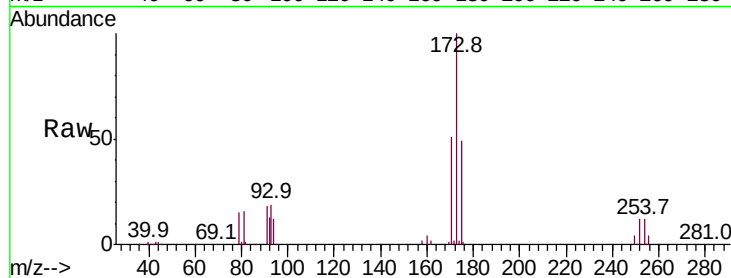
Tot Ion:173 Resp: 225056

Ion Ratio Lower Upper

173 100

175 48.6 24.6 74.0

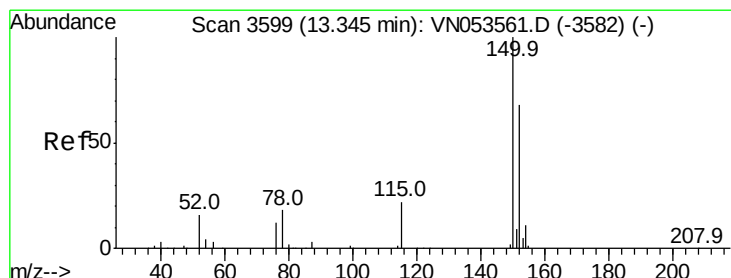
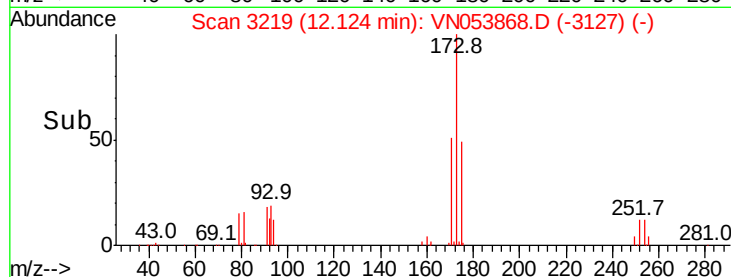
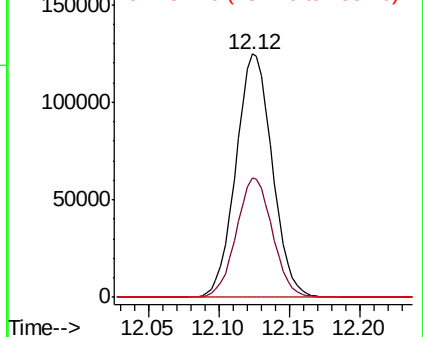
254 0.1 0.2 0.2#



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: VN053868.D

Acq: 19 Feb 2019 15:52

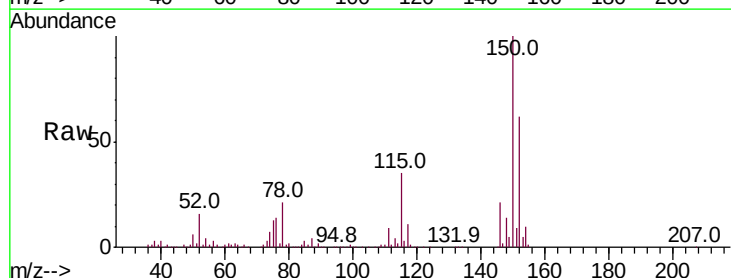
Tgt Ion:152 Resp: 411967

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

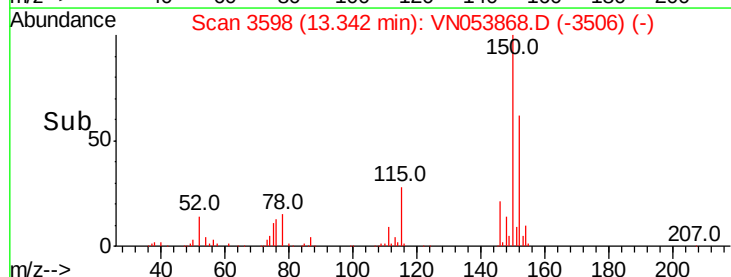
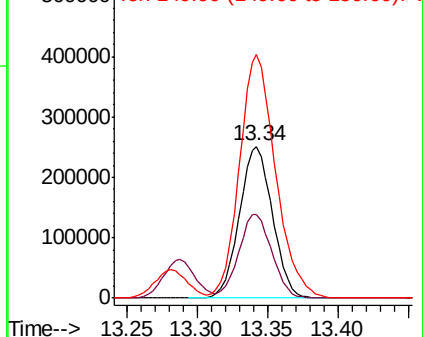
150 175.2 0.0 349.0

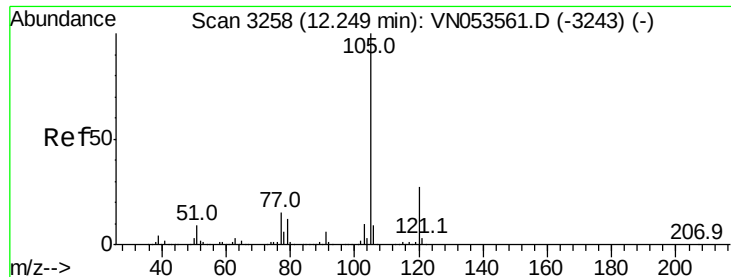


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.083 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

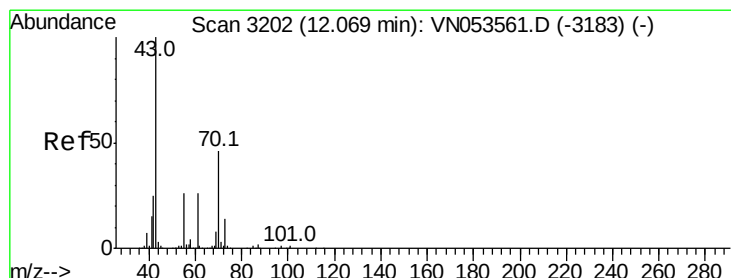
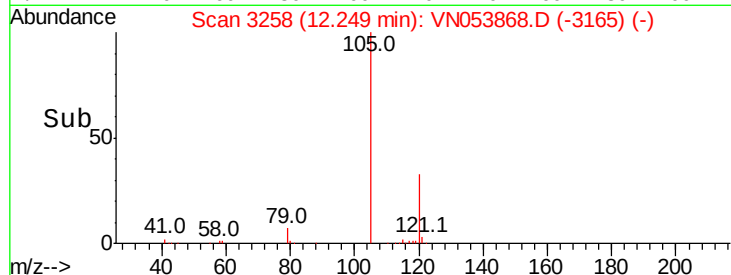
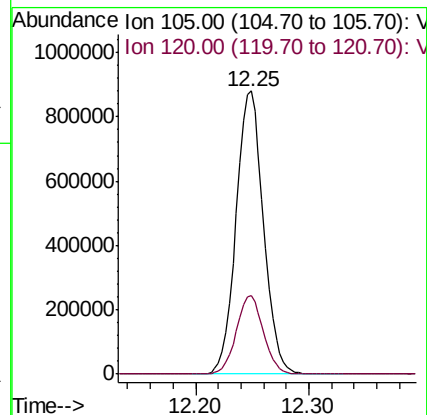
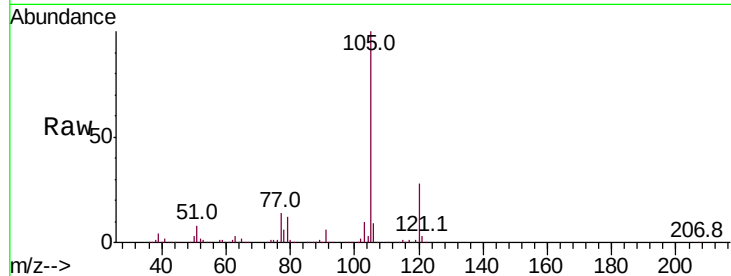
VSTDCCC050EC

Tot Ion:105 Resp: 1479415

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 46.036 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Tgt Ion: 43 Resp: 320596

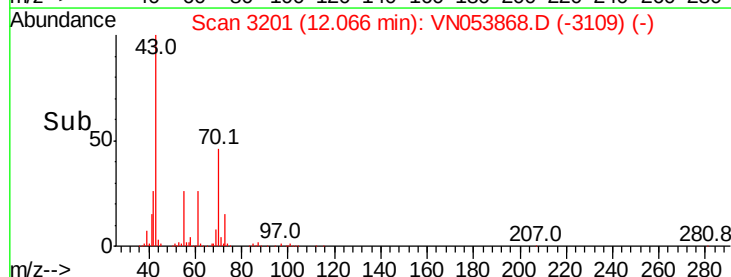
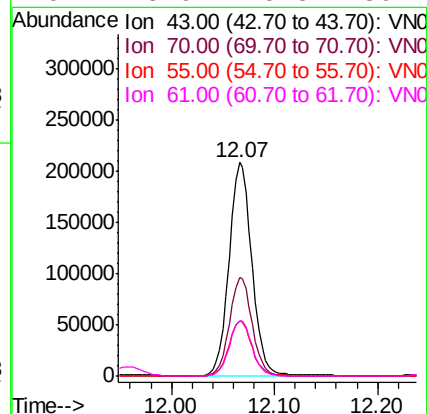
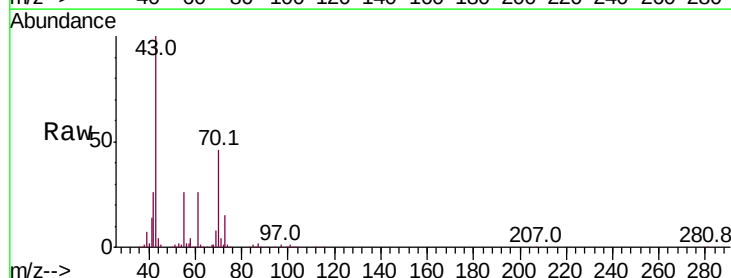
Ion Ratio Lower Upper

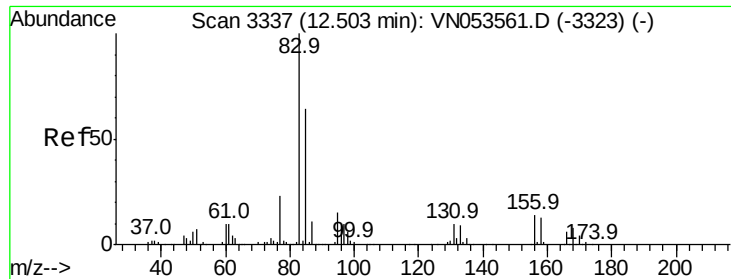
43 100

70 45.8 35.4 53.2

55 26.6 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.049 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

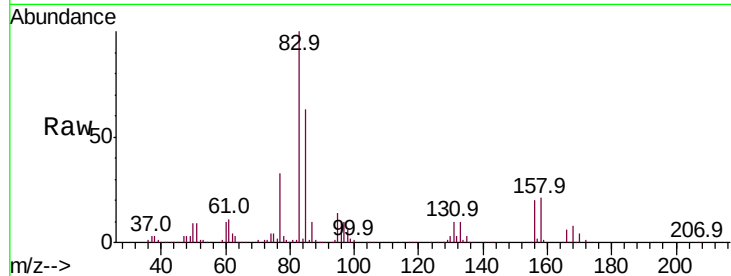
Tot Ion: 83 Resp: 312239

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	15.8
85	64.1	32.1	96.3

83 100

131 10.9 5.3 15.8

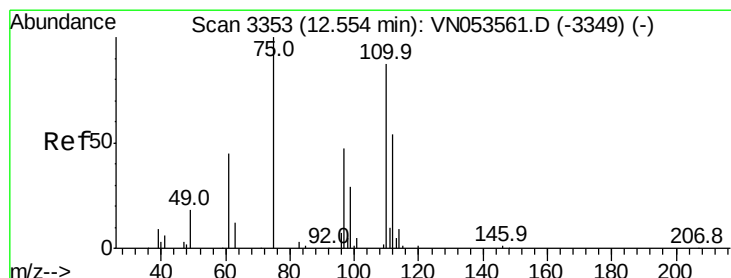
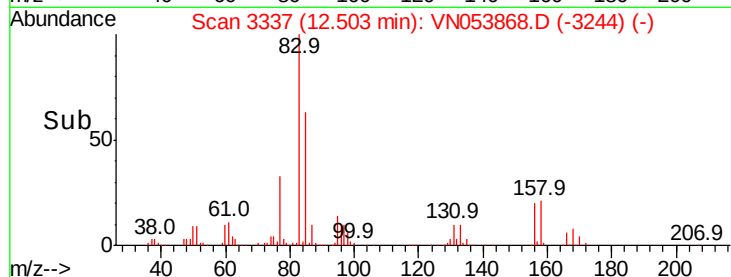
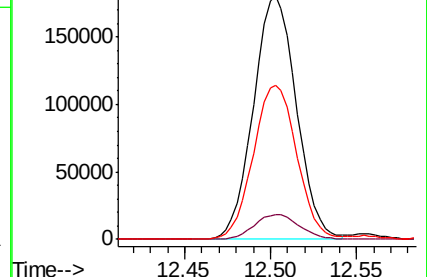
85 64.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 74.172 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053868.D

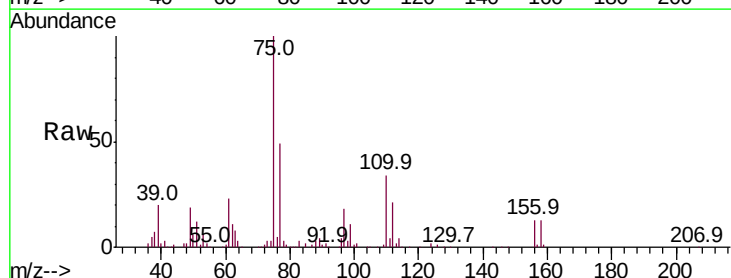
Acq: 19 Feb 2019 15:52

Tgt Ion: 75 Resp: 392480

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

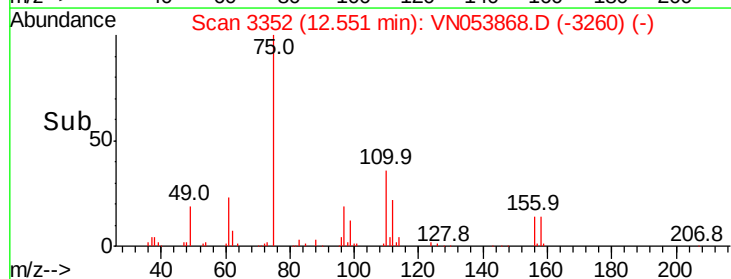
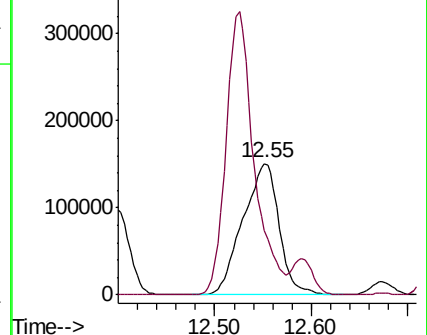
75 100

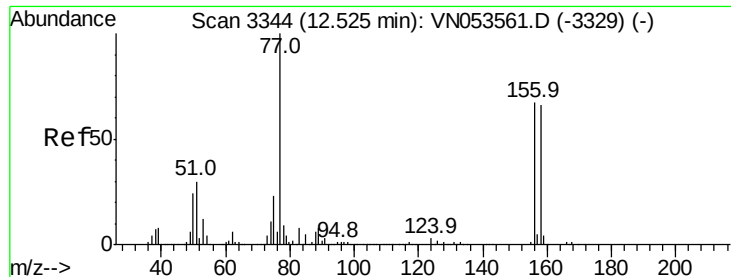
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 49.428 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

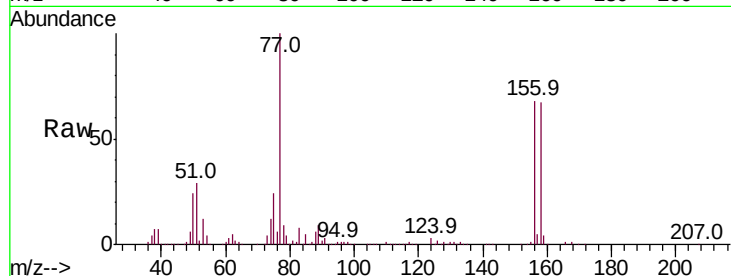
Tot Ion:156 Resp: 385794

Ion Ratio Lower Upper

156 100

77 170.2 87.9 263.8

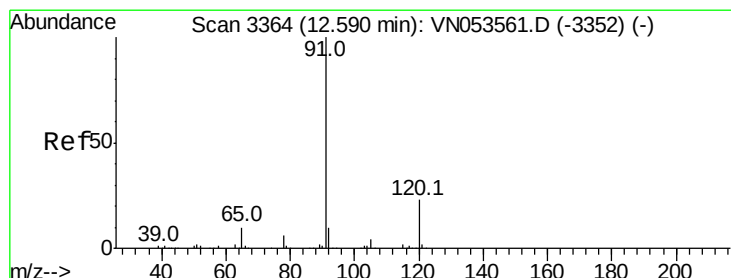
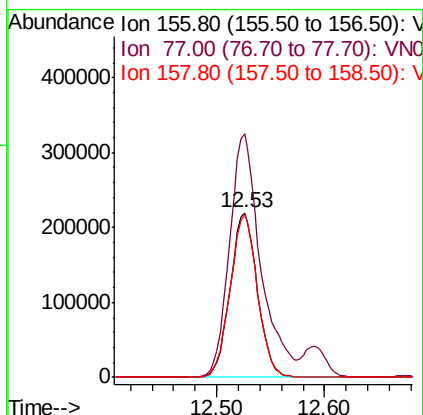
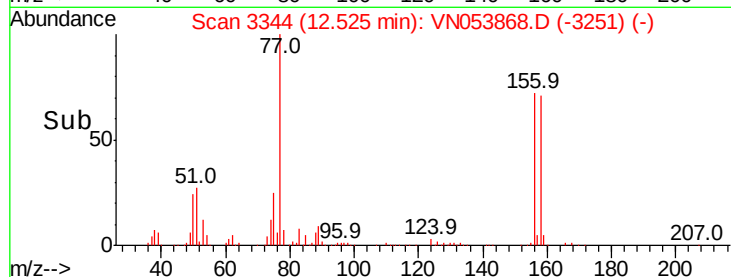
158 98.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.112 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053868.D

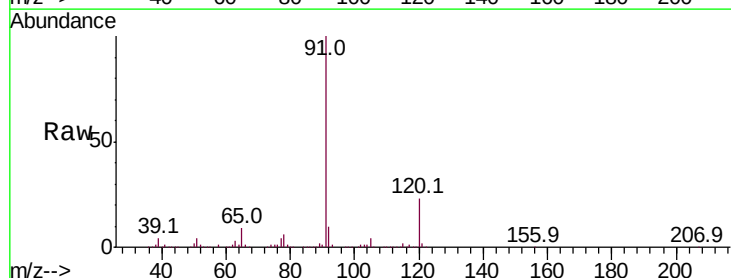
Acq: 19 Feb 2019 15:52

Tgt Ion: 91 Resp: 1744646

Ion Ratio Lower Upper

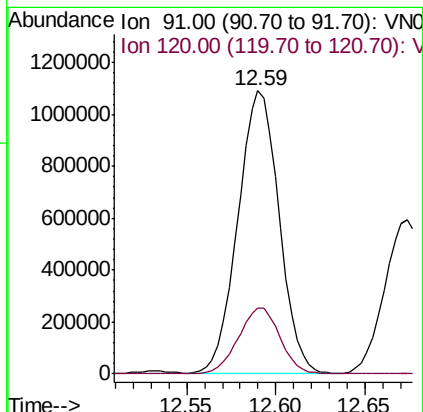
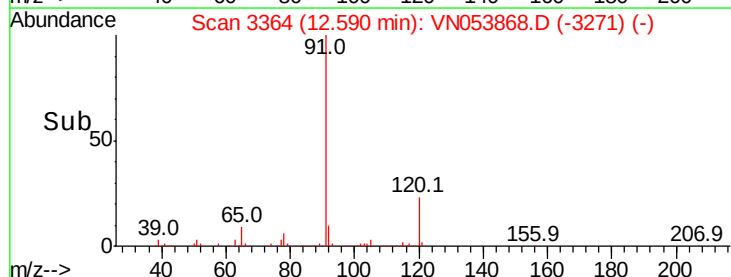
91 100

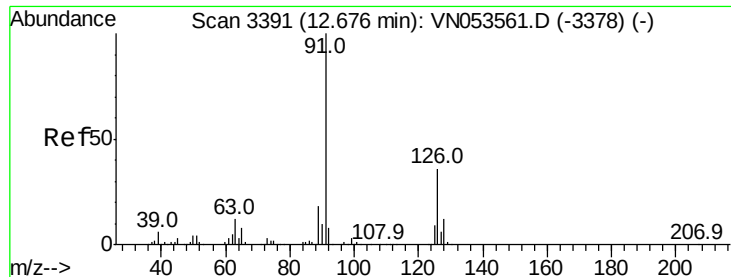
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.804 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

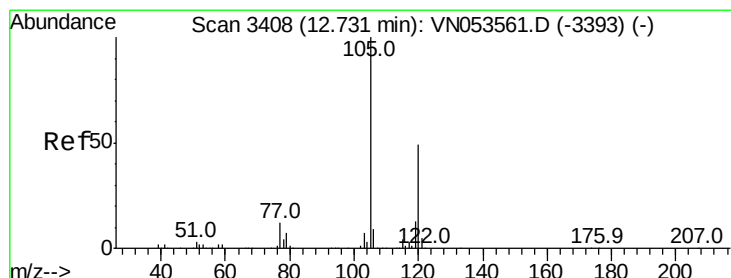
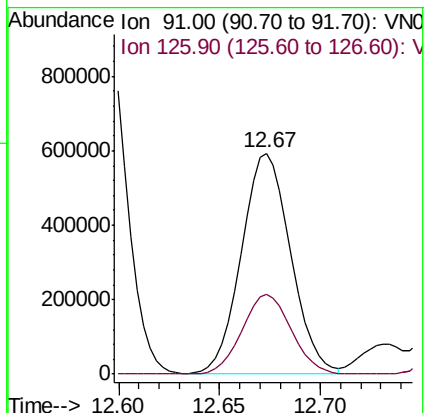
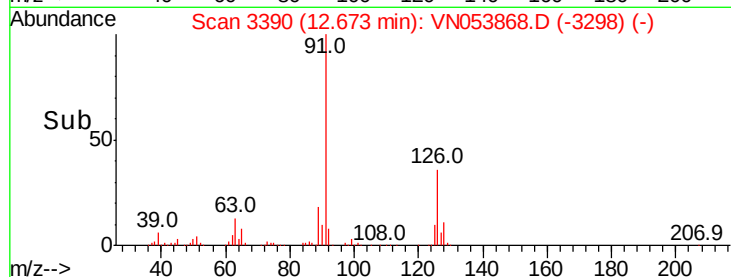
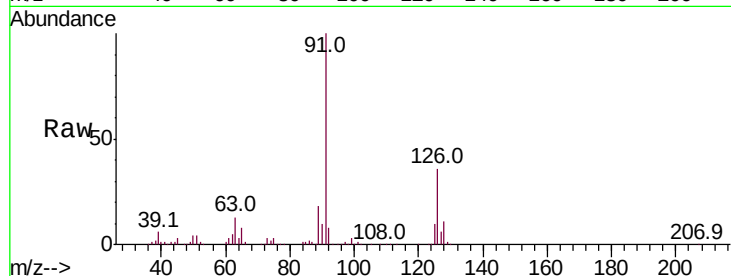
VSTDCCC050EC

Tot Ion: 91 Resp: 1009096

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 53.406 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053868.D

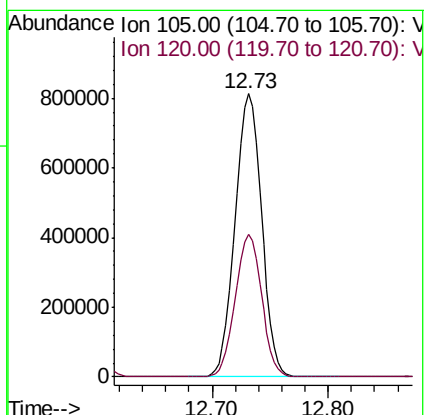
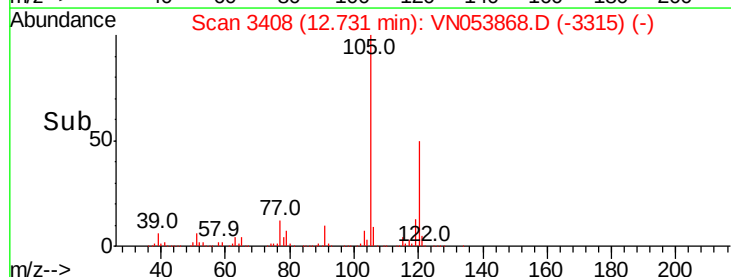
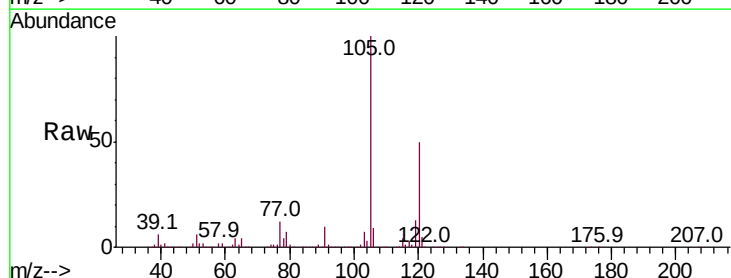
Acq: 19 Feb 2019 15:52

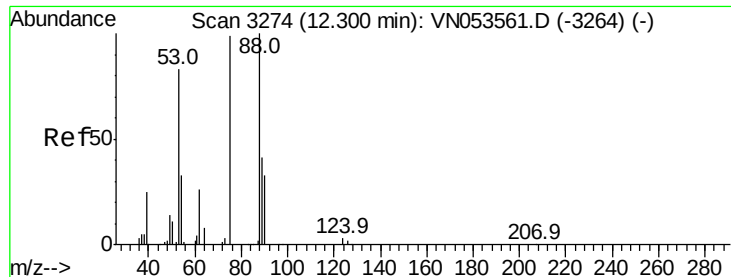
Tgt Ion:105 Resp: 1282566

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.111 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

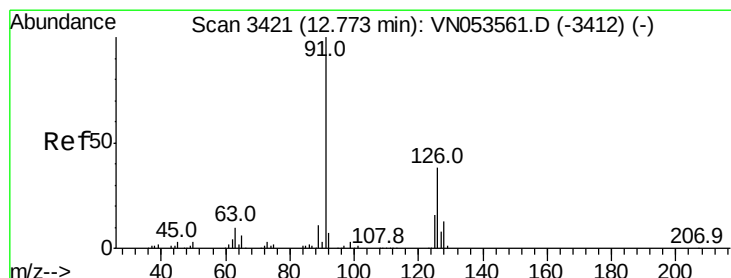
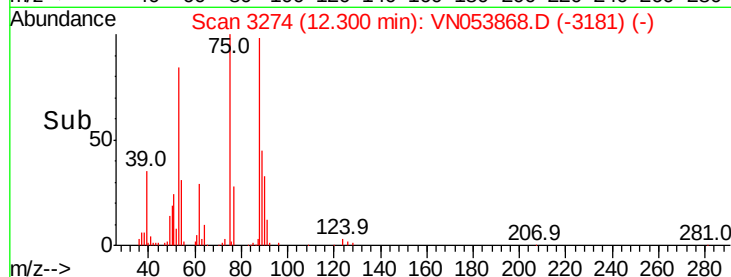
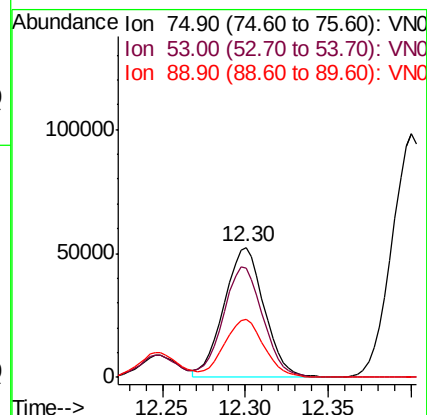
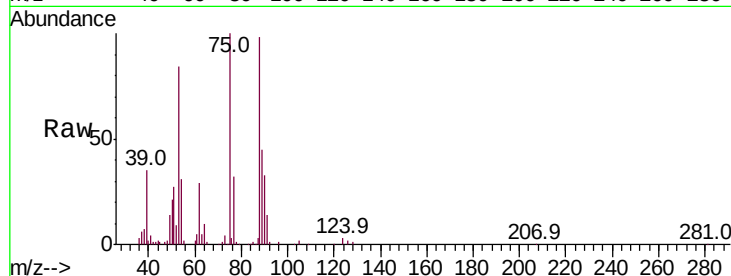
Tot Ion: 75 Resp: 88654

Ion Ratio Lower Upper

75 100

53 83.2 69.8 104.6

89 44.3 35.6 53.4



#82

4-Chlorotoluene

Concen: 50.599 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN053868.D

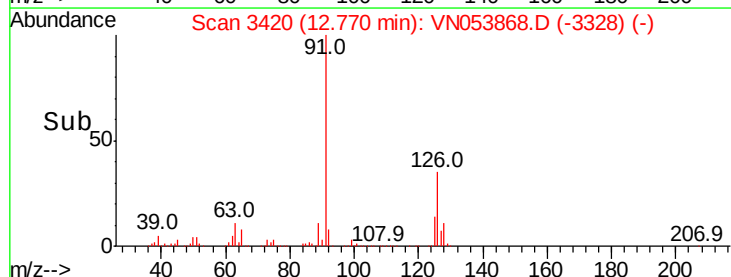
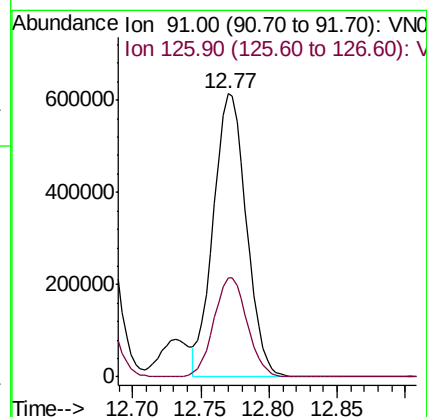
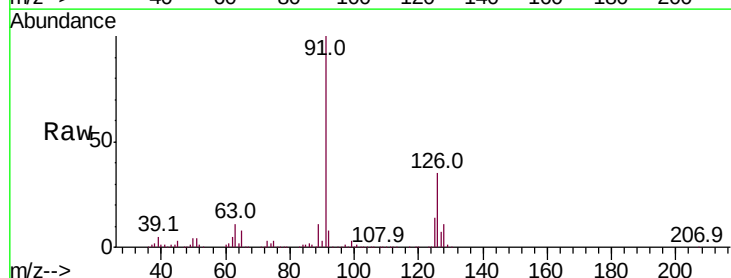
Acq: 19 Feb 2019 15:52

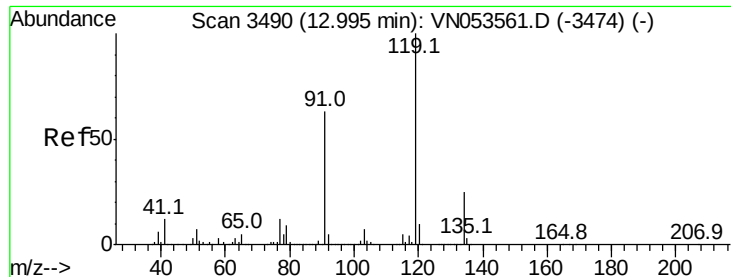
Tgt Ion: 91 Resp: 1031282

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.9

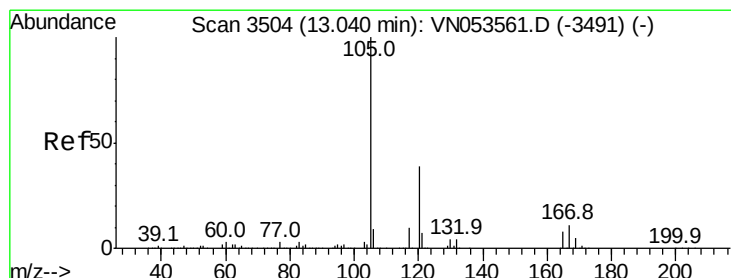
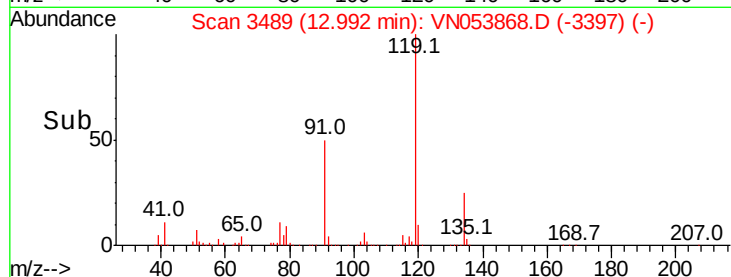
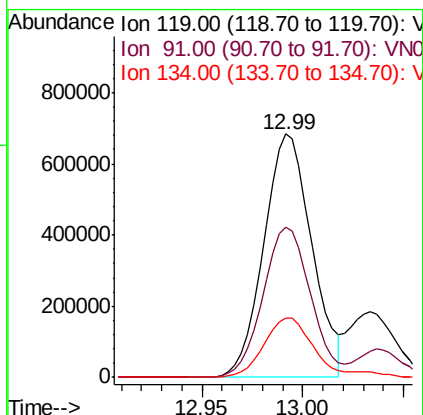
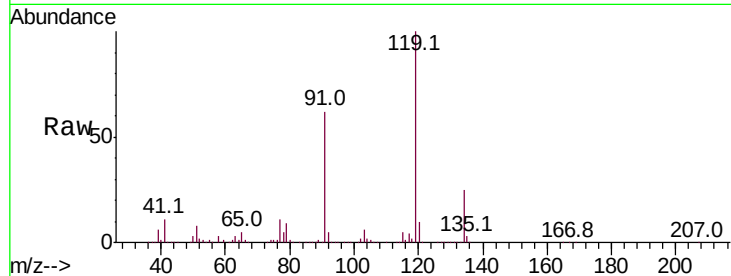




#83
 tert-Butylbenzene
 Concen: 53.359 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

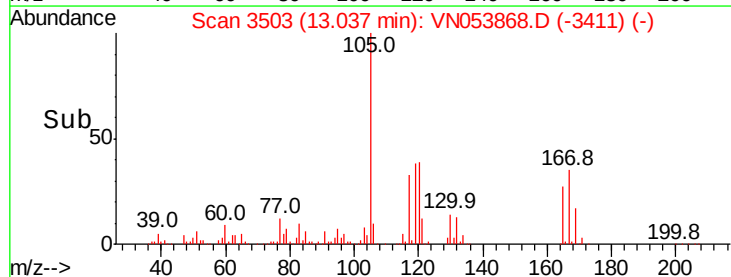
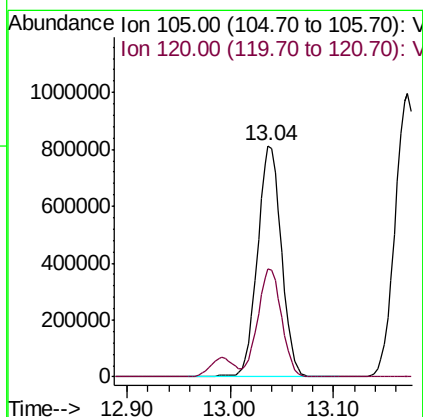
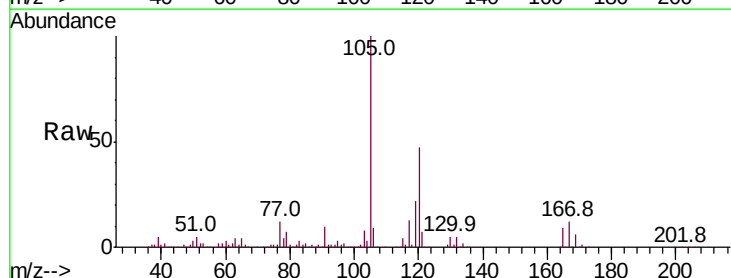
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

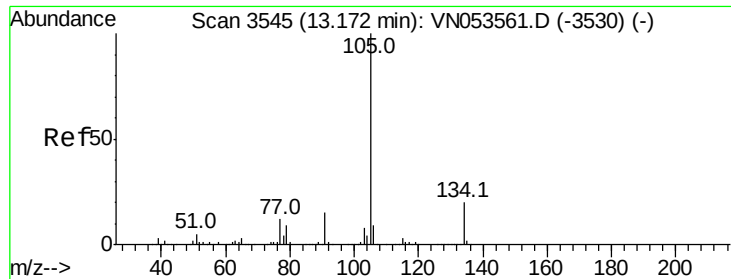
Tot Ion:119 Resp: 1132576
 Ion Ratio Lower Upper
 119 100
 91 61.3 31.3 93.8
 134 26.2 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.118 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion:105 Resp: 1299651
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 54.626 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

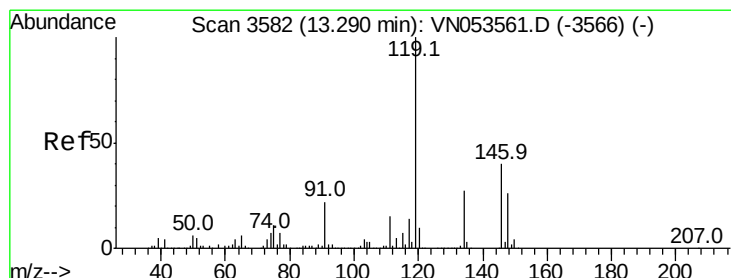
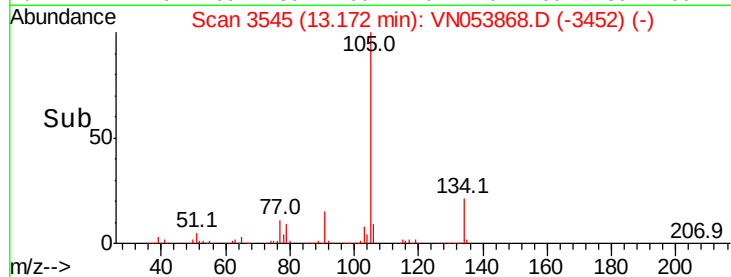
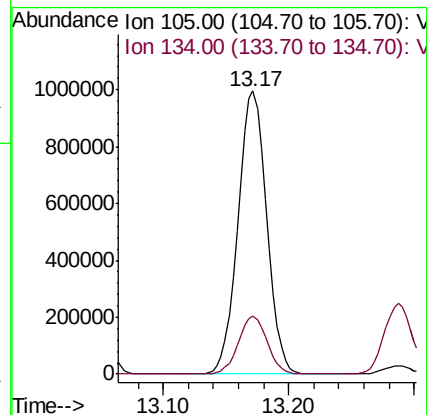
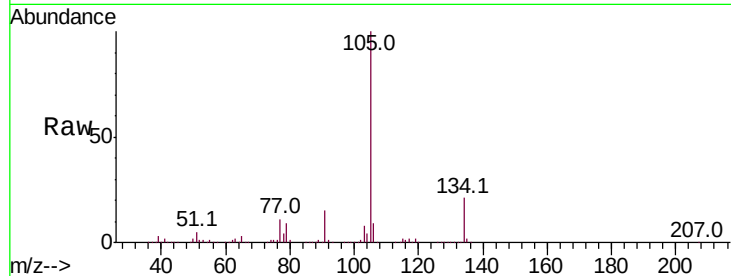
VSTDCCC050EC

Tot Ion:105 Resp: 1577808

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 56.657 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

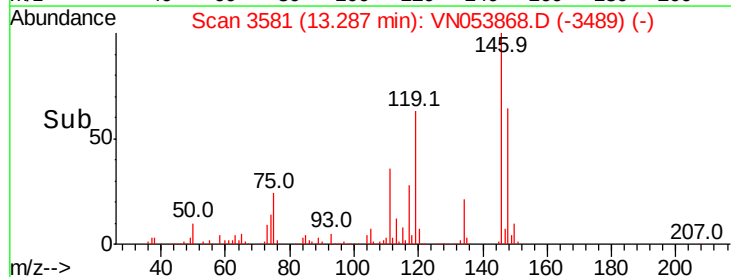
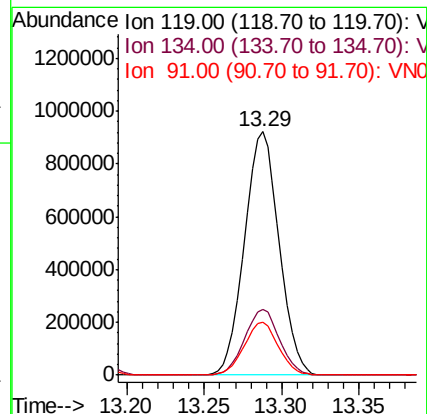
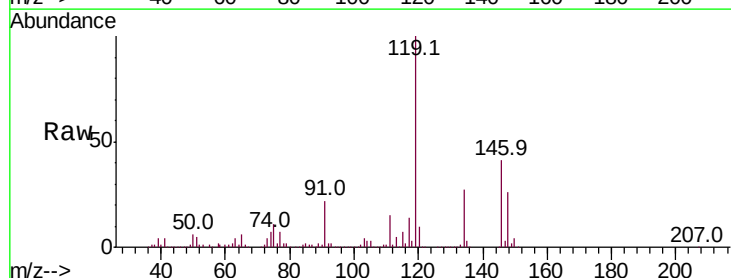
Tgt Ion:119 Resp: 1431225

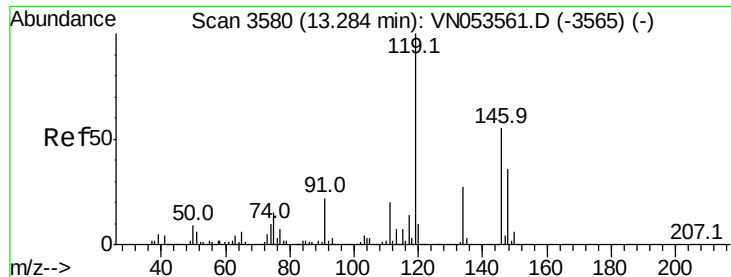
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.4 11.0 33.0

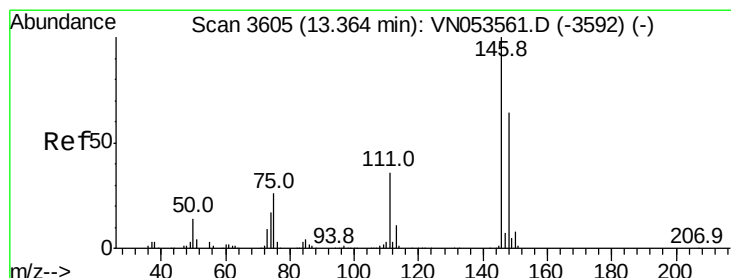
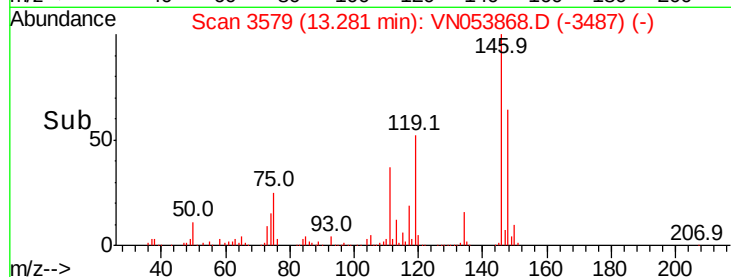
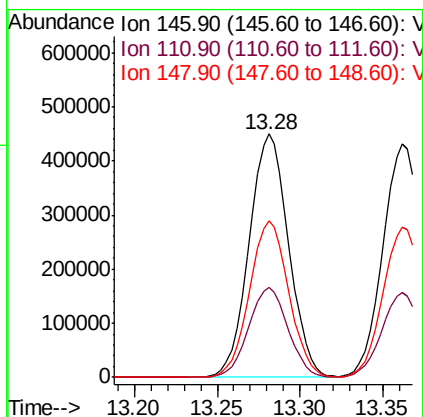
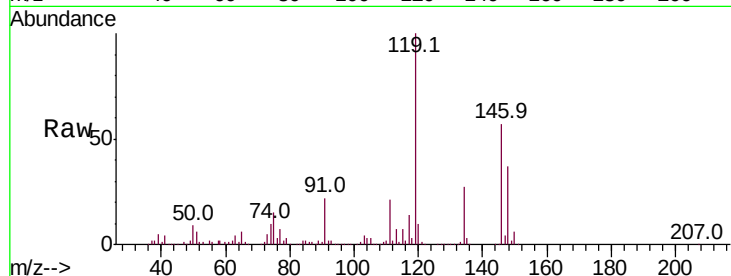




#87
 1,3-Dichlorobenzene
 Concen: 53.094 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

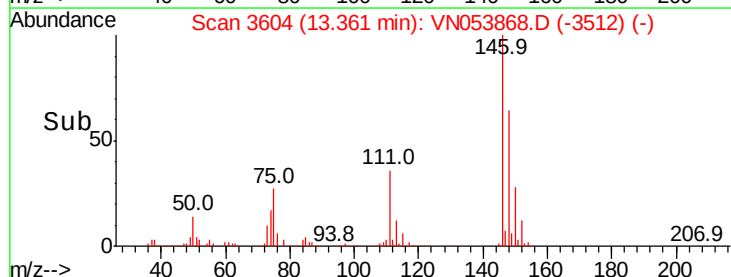
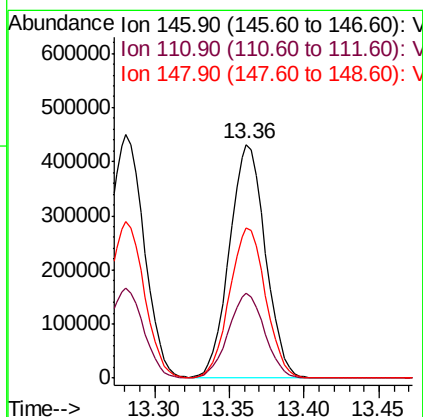
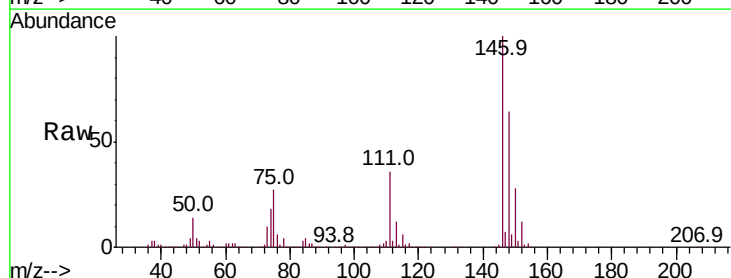
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

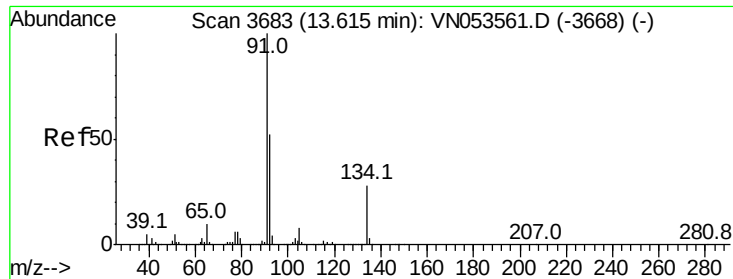
Tot Ion:146 Resp: 744953
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.925 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion:146 Resp: 720684
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 64.7 32.4 97.0





#89

n-Butylbenzene

Concen: 57.657 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

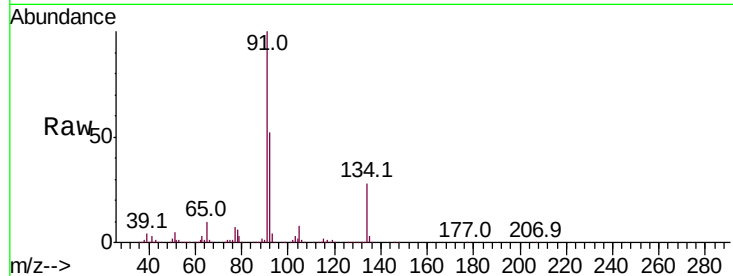
Tot Ion: 91 Resp: 1260679

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

134 27.7 13.5 40.5

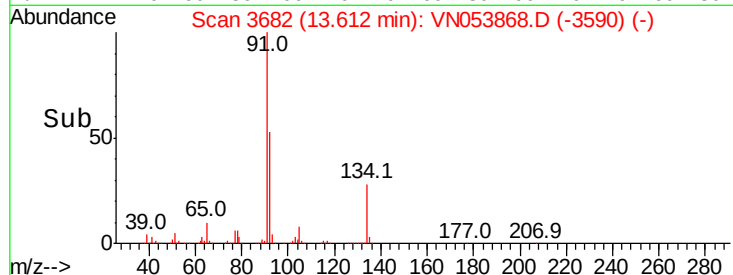


Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)

Time-->

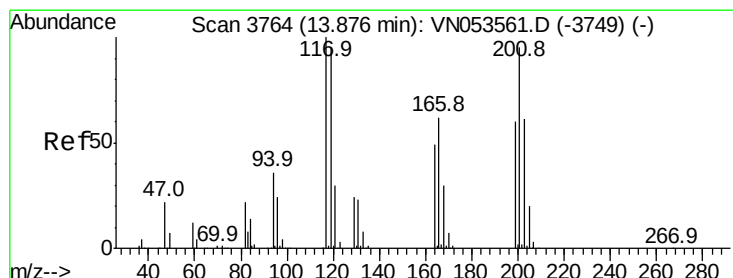


Abundance Ion 91.00 (90.70 to 91.70): VN053868.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053868.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053868.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 60.839 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053868.D

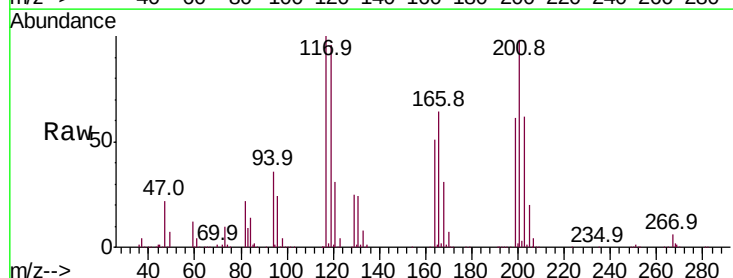
Acq: 19 Feb 2019 15:52

Tgt Ion: 117 Resp: 253504

Ion Ratio Lower Upper

117 100

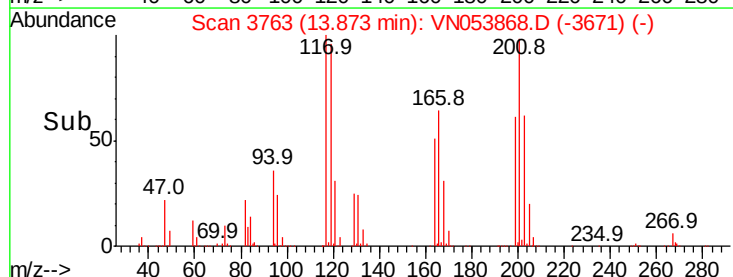
201 97.9 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)

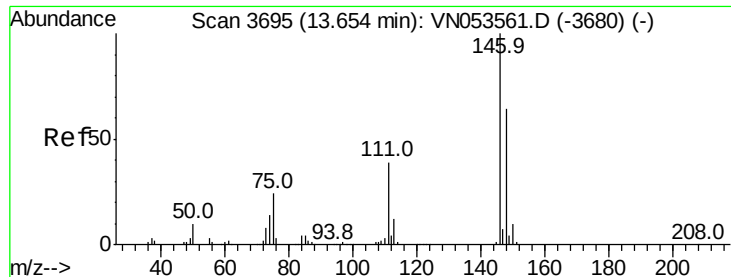
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053868.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053868.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 55.590 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

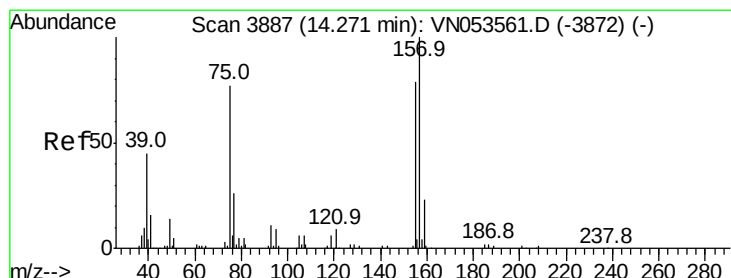
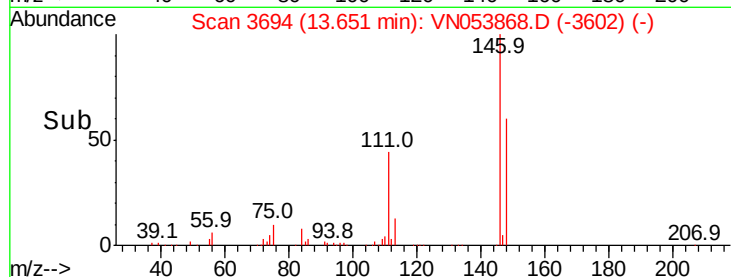
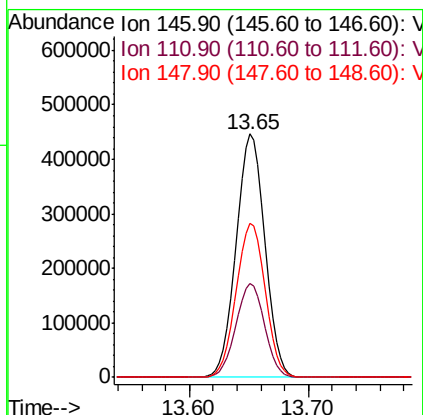
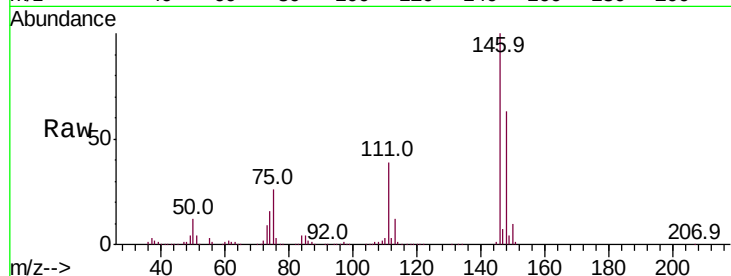
Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 746706

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.2	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.419 ug/l

RT: 14.27 min Scan# 3886

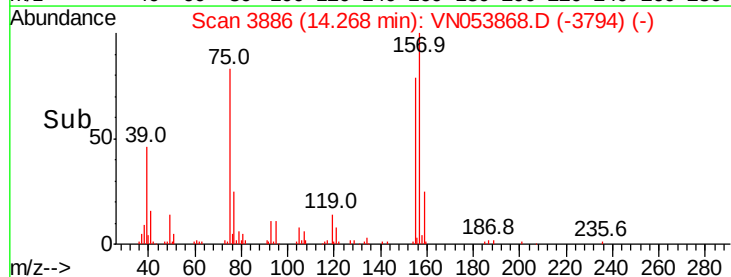
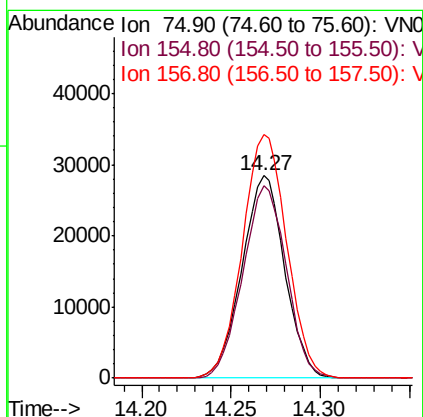
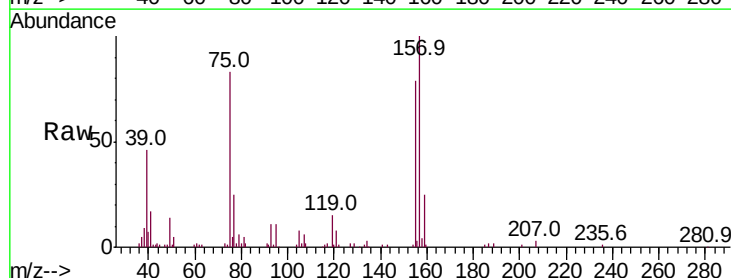
Delta R.T. -0.00 min

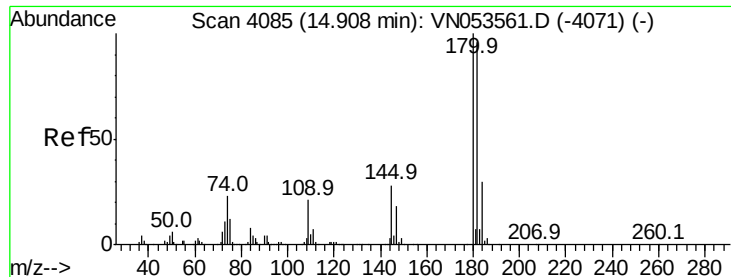
Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Tgt Ion: 75 Resp: 47828

Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.9	146.7
157	124.5	63.7	191.3

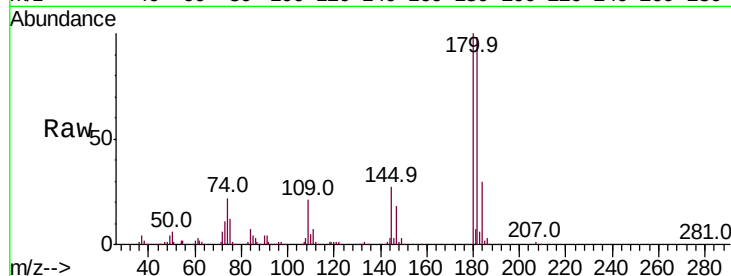




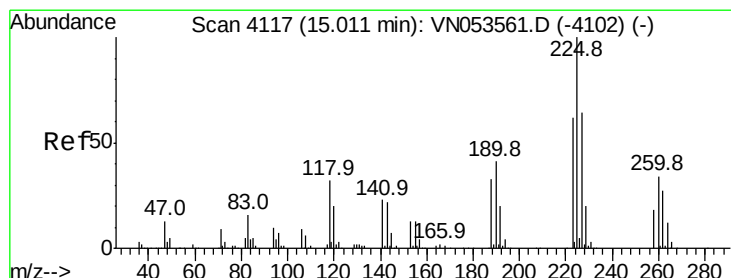
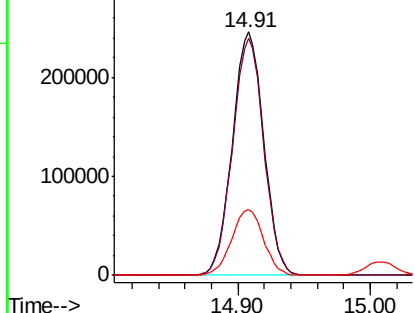
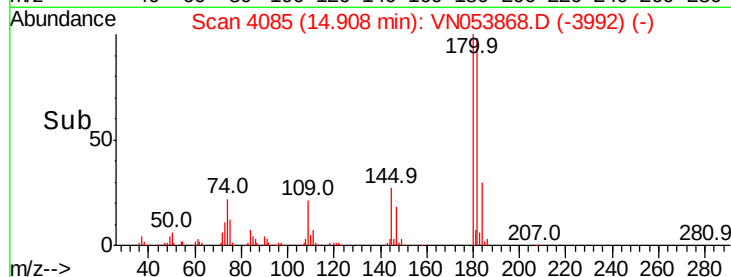
#93
 1,2,4-Trichlorobenzene
 Concen: 52.423 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	27.4	13.9	41.6

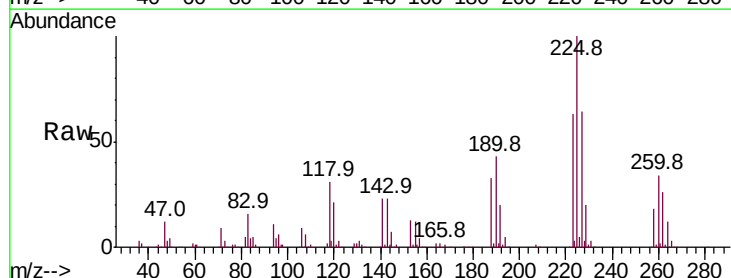


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

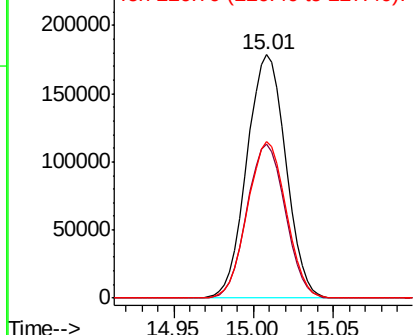
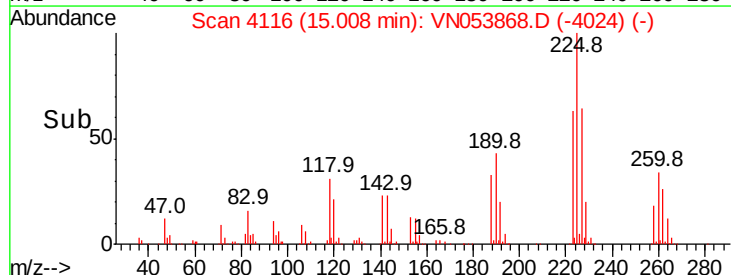


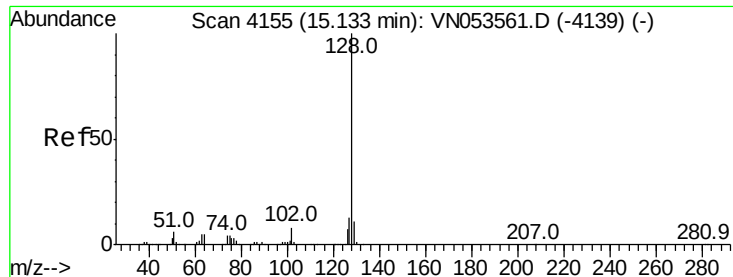
#94
 Hexachlorobutadiene
 Concen: 62.059 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053868.D
 Acq: 19 Feb 2019 15:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.2
227	63.9	32.0	96.2



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





#95

Naphthalene

Concen: 39.539 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

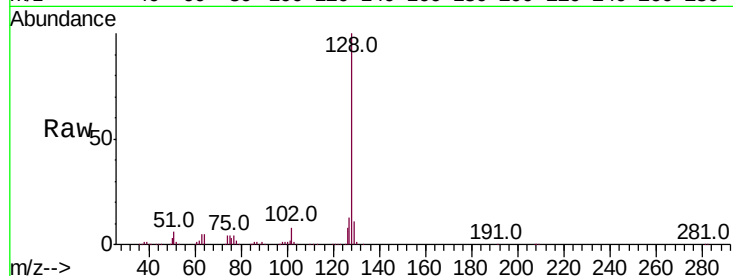
Tot Ion:128 Resp: 708726

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

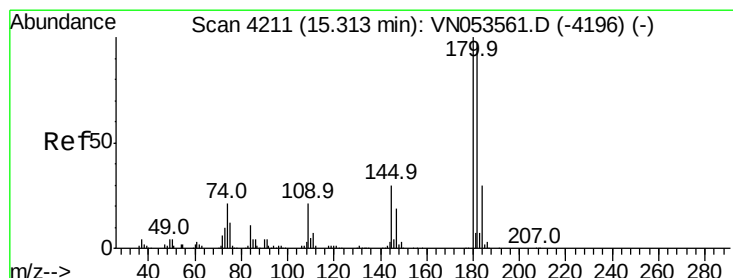
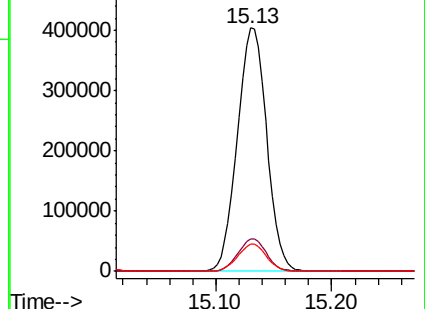
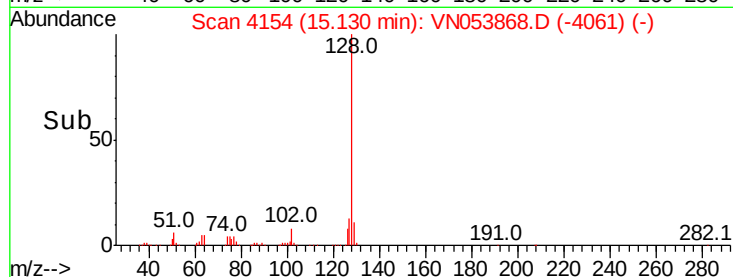
129 11.0 8.6 13.0



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: 52.516 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053868.D

Acq: 19 Feb 2019 15:52

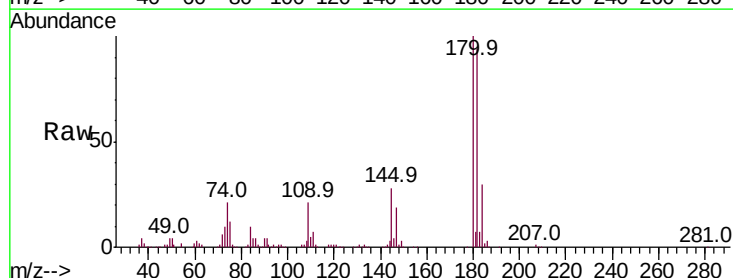
Tgt Ion:180 Resp: 375397

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.8

145 28.6 14.7 44.1



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

