

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054285.D
 Acq On : 15 Mar 2019 2:44
 Operator : JC/SP
 Sample : K1902-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30245

Quant Time: Mar 15 07:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1353260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2274900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2449284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1086720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	736291	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
35) Dibromofluoromethane	7.59	113	696441	47.47	ug/l	0.00
Spiked Amount						
			Recovery	=	94.94%	
50) Toluene-d8	10.09	98	2851619	52.63	ug/l	0.00
Spiked Amount						
			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	1126389	59.41	ug/l	0.00
Spiked Amount						
			Recovery	=	118.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	821	1.536	ug/l #	60
13) Acrolein	3.61	56	728	0.780	ug/l #	14
14) Allyl chloride	4.33	41	5281	0.293	ug/l #	24
16) Acetone	3.82	43	80998	19.684	ug/l	96
17) Carbon Disulfide	4.04	76	8327	0.236	ug/l #	92
18) Methyl Acetate	4.33	43	366461	44.018	ug/l	99
20) Methylene Chloride	4.54	84	34314	2.540	ug/l	98
25) 2-Butanone	6.86	43	11233	2.326	ug/l #	88
36) 1,1-Dichloropropene	7.66	75	77889	3.718	ug/l #	47
37) Ethyl Acetate	6.86	43	11233	0.933	ug/l #	83
38) Carbon Tetrachloride	7.67	117	109646	4.991	ug/l #	16
39) Methylcyclohexane	9.08	83	5423	0.210	ug/l	95
40) Benzene	8.04	78	361845	6.036	ug/l	96
43) Isopropyl Acetate	8.17	43	37504	1.775	ug/l	98
48) Methyl methacrylate	9.18	41	16726	1.560	ug/l #	28
49) 1,4-Dioxane	9.26	88	178	1.174	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	16795	1.502	ug/l	92
52) Toluene	10.16	92	1210784	31.852	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	13640	2.554	ug/l #	1
54) cis-1,3-Dichloropropene	9.91	75	109205	4.648	ug/l #	62
57) 1,3-Dichloropropane	10.77	76	18225	0.803	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.69	63	34	16.832	ug/l #	44
59) 2-Hexanone	10.77	43	246505	33.131	ug/l #	51
67) Ethyl Benzene	11.51	91	198762	2.230	ug/l	98
68) m/p-Xylenes	11.62	106	411611	11.813	ug/l	100
69) o-Xylene	11.95	106	269326	7.929	ug/l	99
70) Styrene	11.95	104	14587	0.274	ug/l #	1
71) Bromoform	12.40	173	7159	2.809	ug/l #	1
73) Isopropylbenzene	12.25	105	24683	0.284	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	531496	33.259	ug/l #	100
78) n-propylbenzene	12.59	91	55301	0.586	ug/l	94
79) 2-Chlorotoluene	12.65	91	43293	0.763	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	112707	1.558	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	531496	113.693	ug/l #	11

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

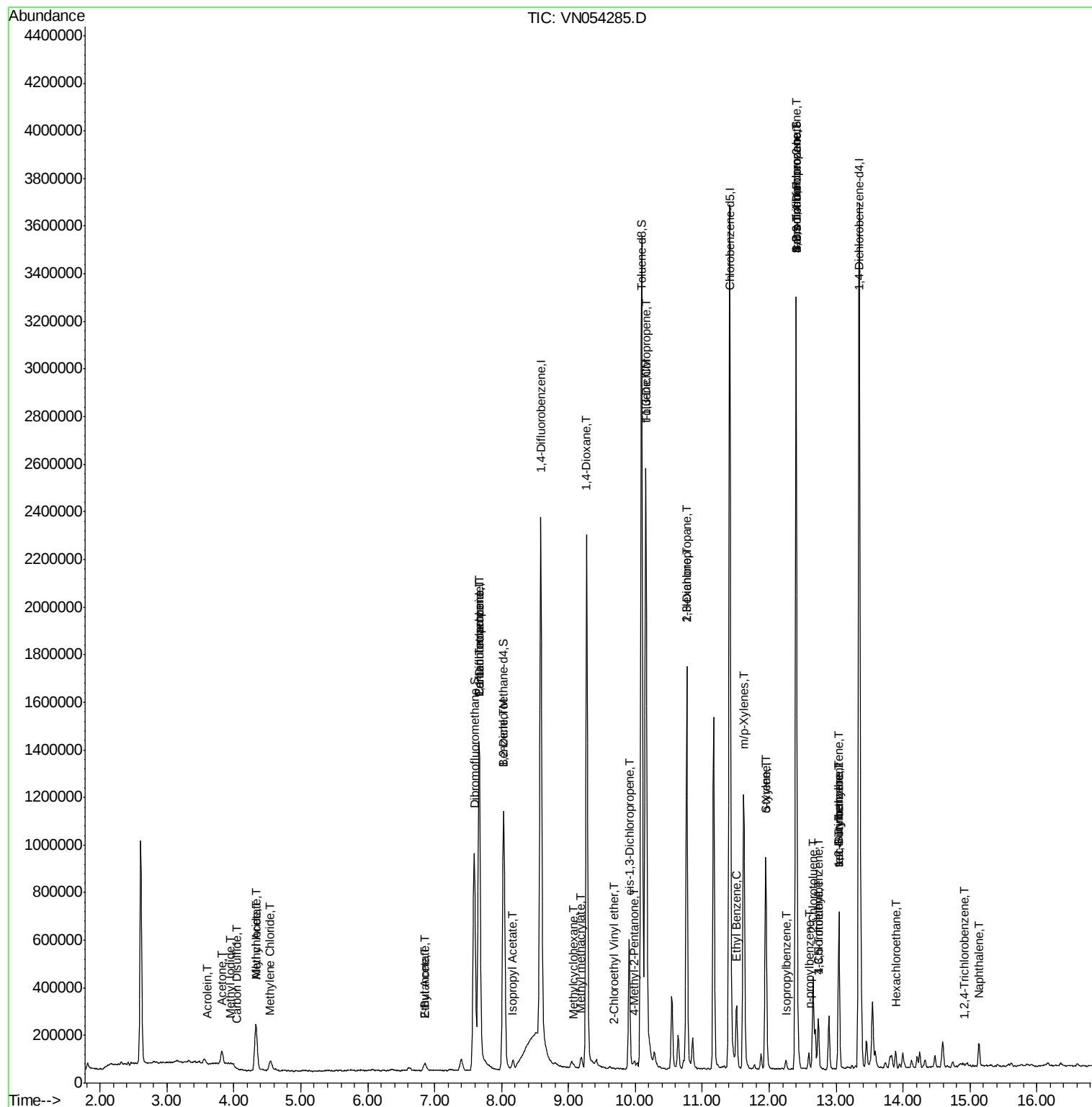
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	12488	0.220	ug/l #	39
83) tert-Butylbenzene	13.04	119	50370	0.757	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.04	105	399841	5.636	ug/l	99
85) sec-Butylbenzene	13.04	105	399841	4.632	ug/l #	55
90) Hexachloroethane	13.89	117	4191	0.334	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	1195	2.566	ug/l #	42
95) Naphthalene	15.13	128	89055	5.208	ug/l	98

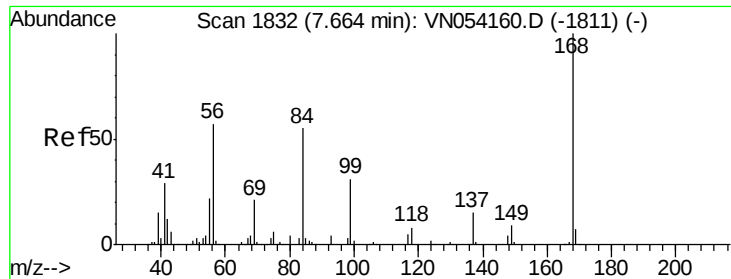
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

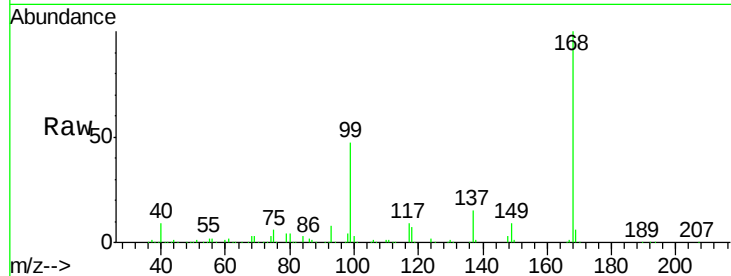
30245

Tot Ion:168 Resp: 1353260

Ion Ratio Lower Upper

168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

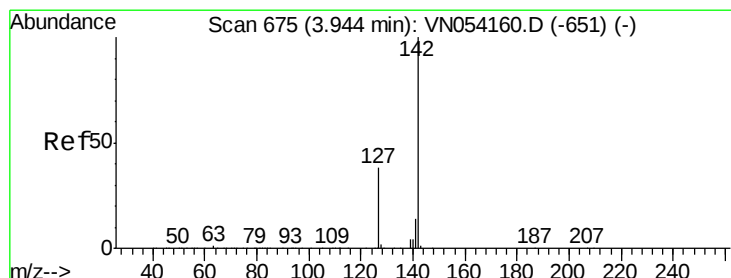
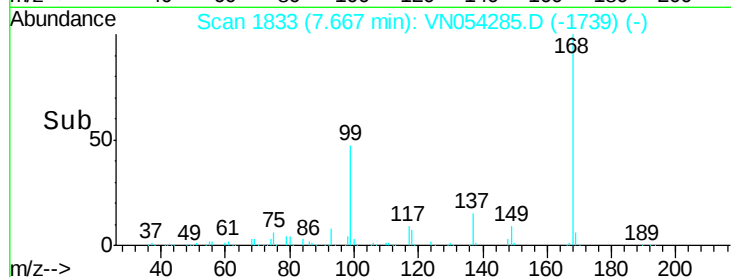
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.536 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

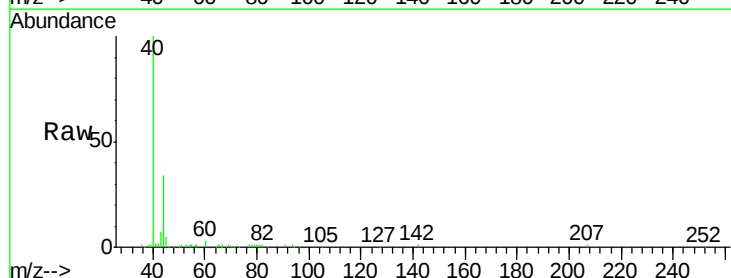
Tgt Ion:142 Resp: 821

Ion Ratio Lower Upper

142 100

127 12.9 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

800

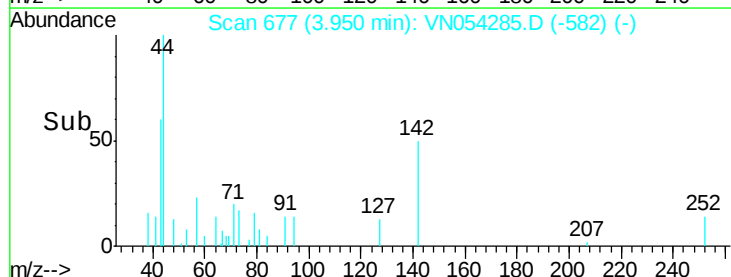
600

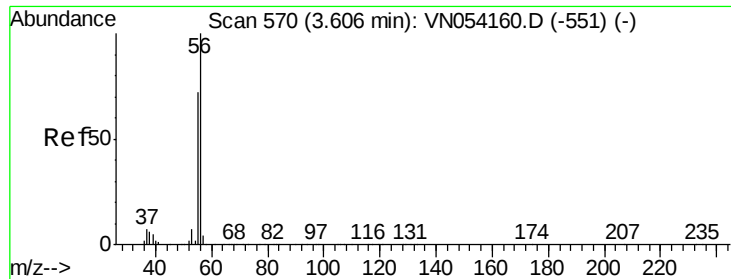
400

200

0

Time--> 3.90 3.92 3.94 3.96 3.98

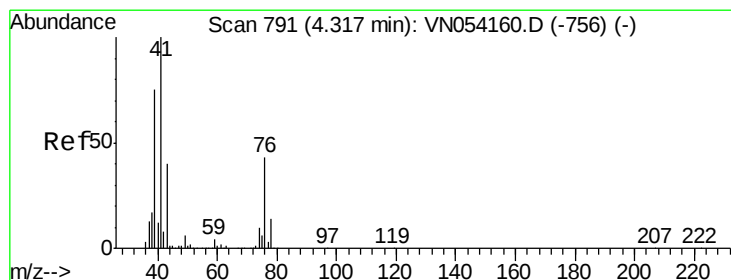
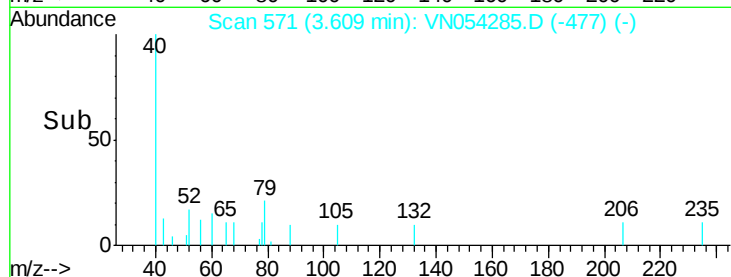
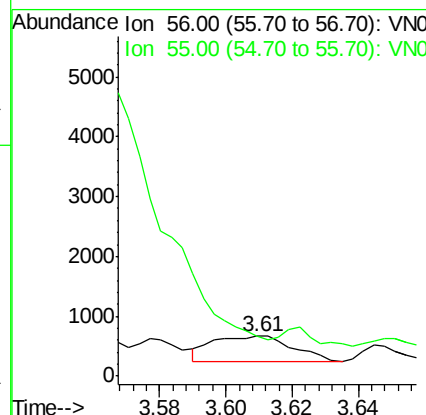
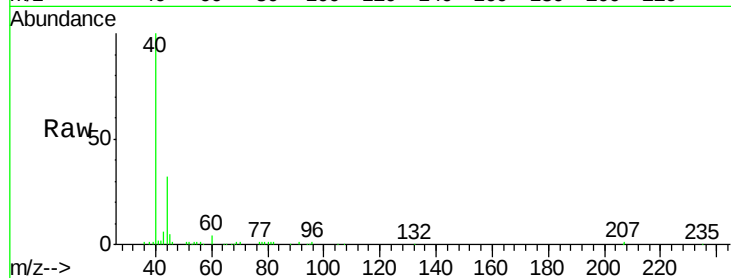




#13
Acrolein
Concen: 0.780 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

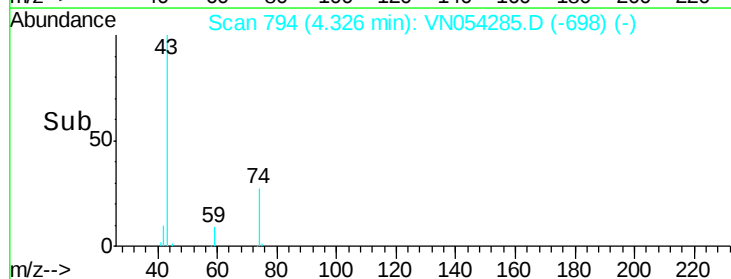
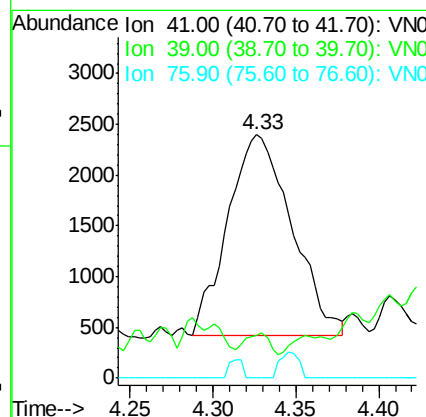
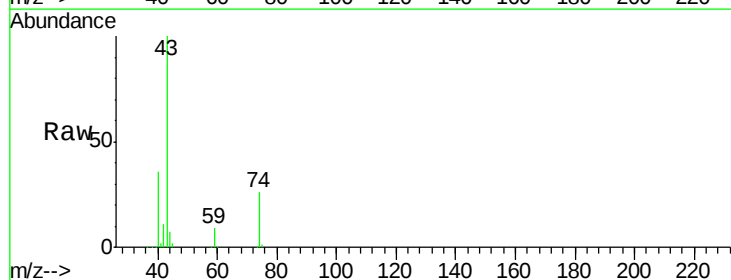
Instrument :
MSVOA_N
ClientSampled :
30245

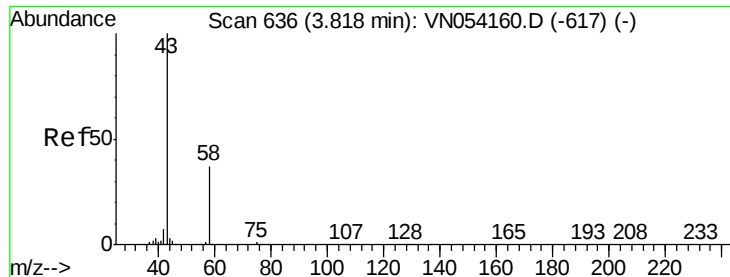
Tot Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#14
Allyl chloride
Concen: 0.293 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 41 Resp: 5281
Ion Ratio Lower Upper
41 100
39 4.0 58.2 87.4#
76 0.0 31.7 47.5#





#16

Acetone

Concen: 19.684 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

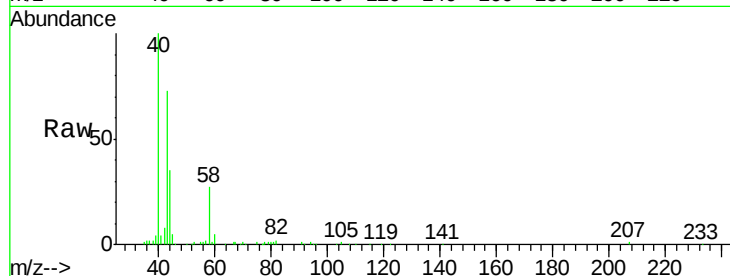
30245

Tot Ion: 43 Resp: 80998

Ion Ratio Lower Upper

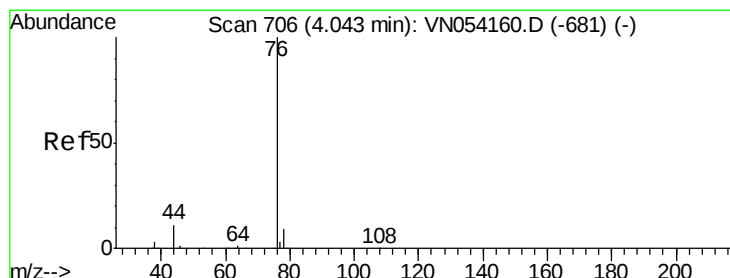
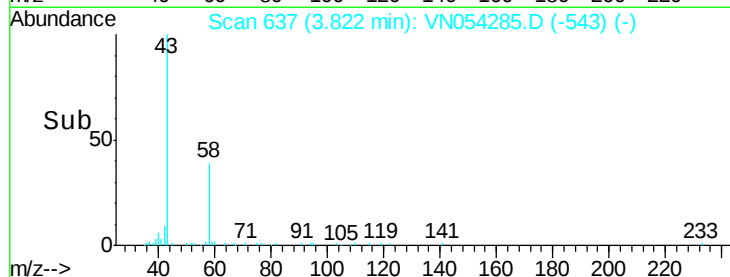
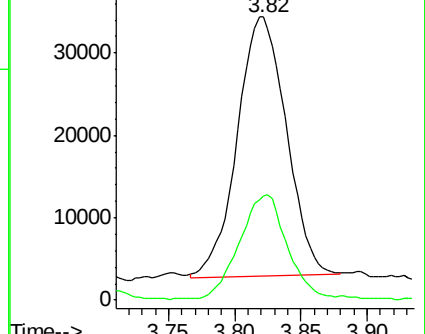
43 100

58 39.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.236 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054285.D

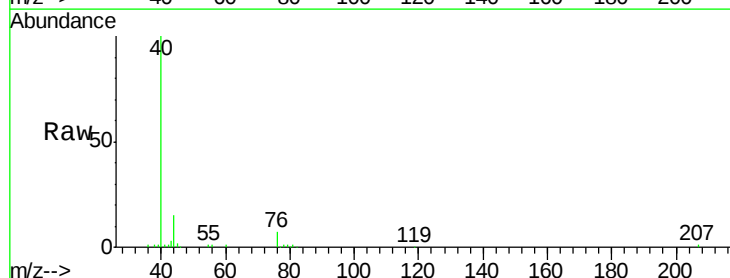
Acq: 15 Mar 2019 2:44

Tgt Ion: 76 Resp: 8327

Ion Ratio Lower Upper

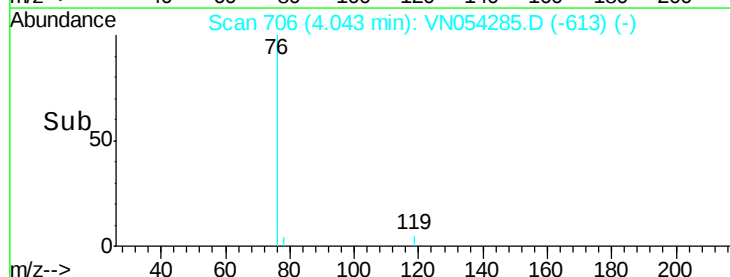
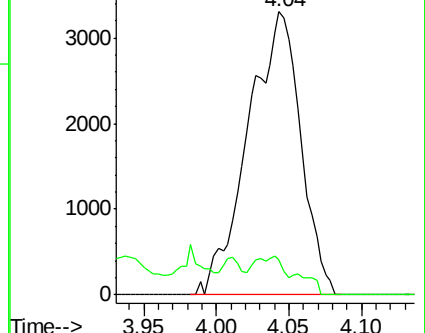
76 100

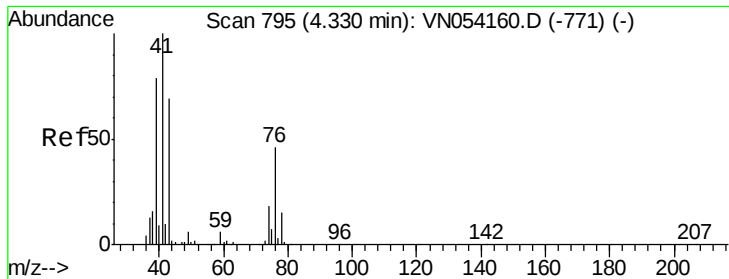
78 12.5 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

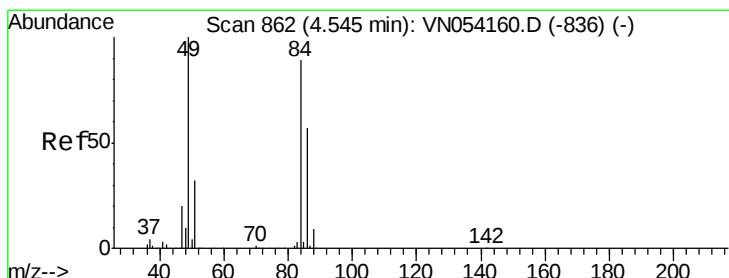
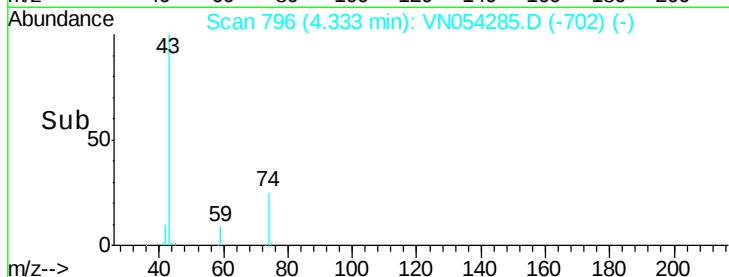
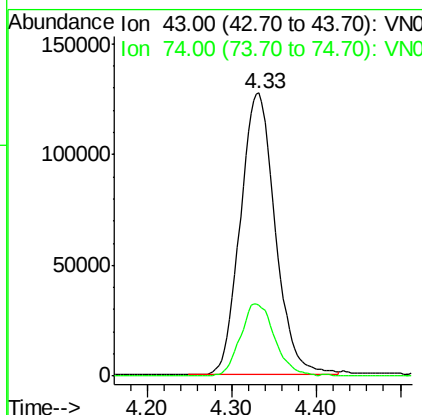
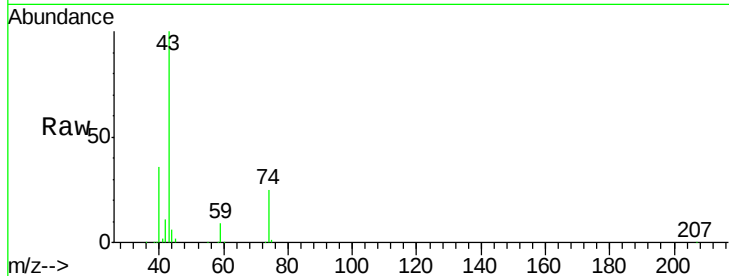




#18
Methvl Acetate
Concen: 44.018 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

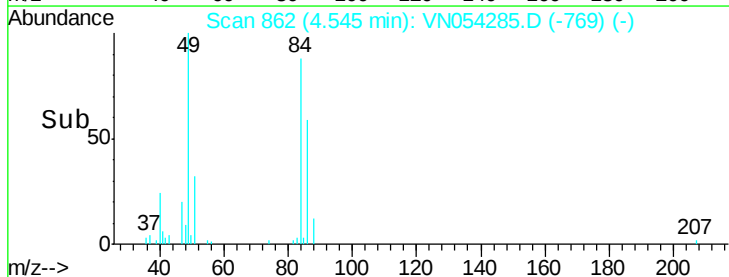
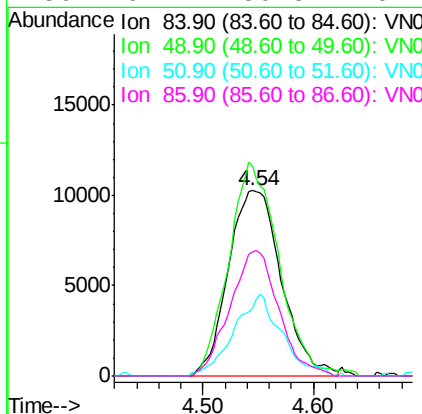
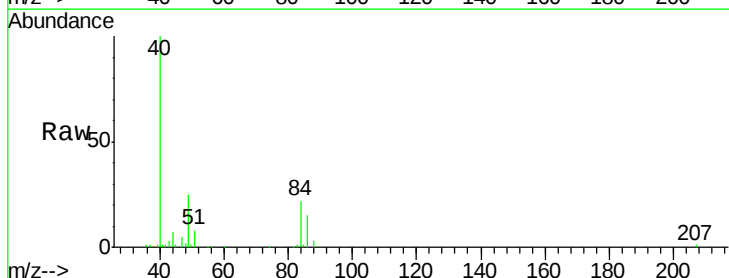
Instrument :
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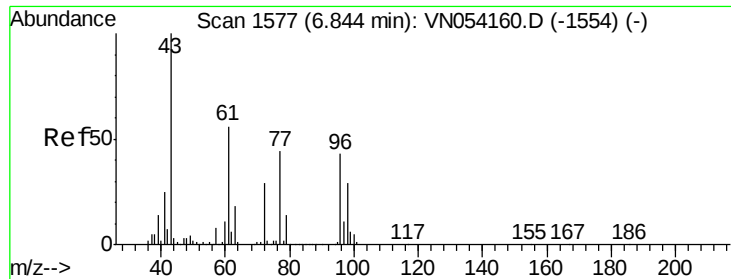
Tot Ion: 43 Resp: 366461
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2



#20
Methylene Chloride
Concen: 2.540 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 84 Resp: 34314
Ion Ratio Lower Upper
84 100
49 113.2 89.7 134.5
51 36.7 28.2 42.4
86 67.1 50.8 76.2





#25

2-Butanone

Concen: 2.326 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

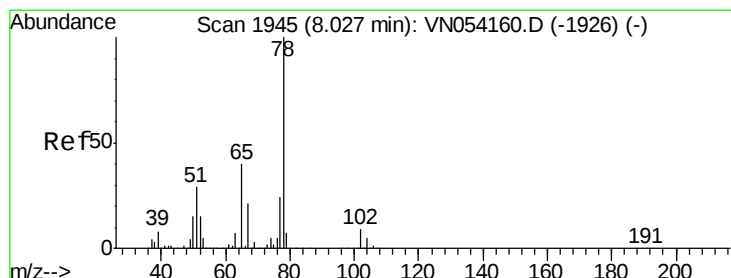
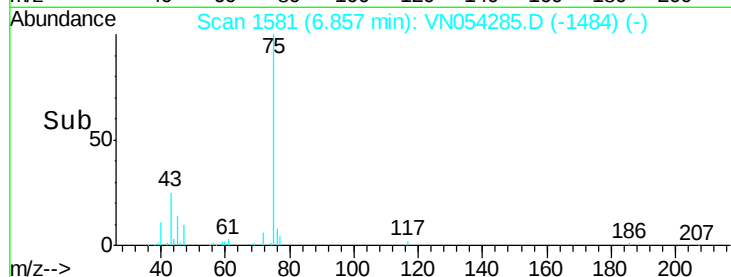
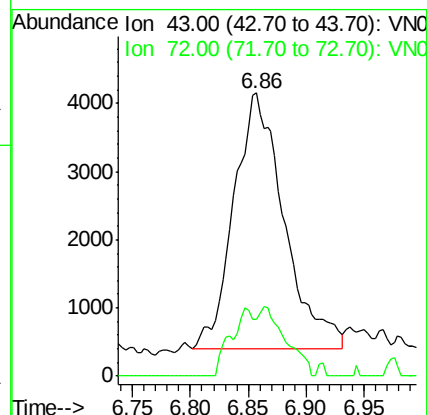
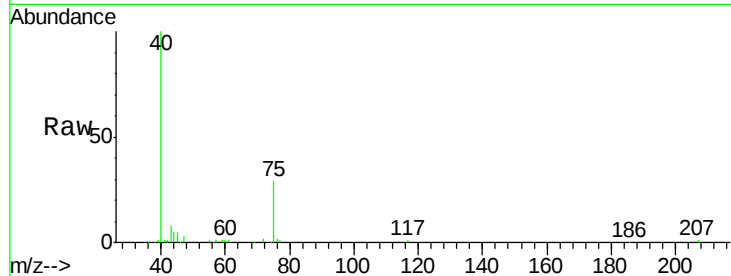
30245

Tot Ion: 43 Resp: 11233

Ion Ratio Lower Upper

43 100

72 22.2 23.0 34.6#



#33

1,2-Dichloroethane-d4

Concen: 51.232 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054285.D

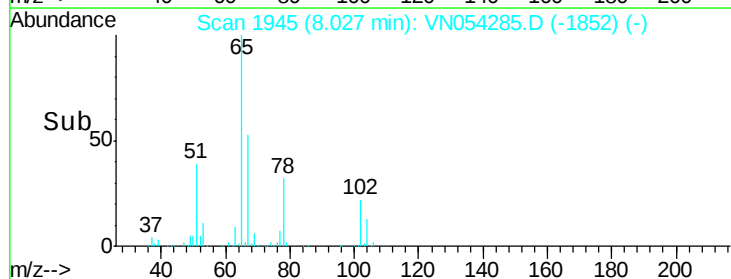
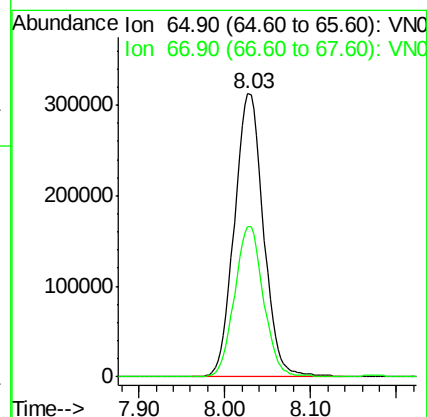
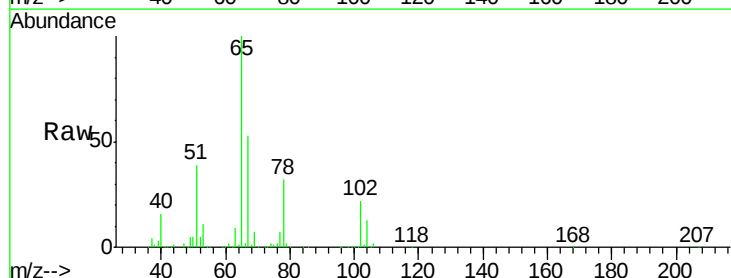
Acq: 15 Mar 2019 2:44

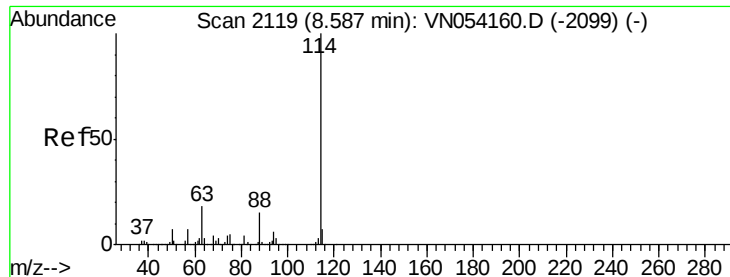
Tgt Ion: 65 Resp: 736291

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

30245

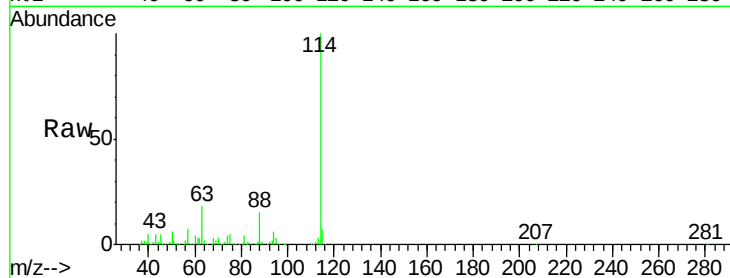
Tot Ion:114 Resp: 2274900

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

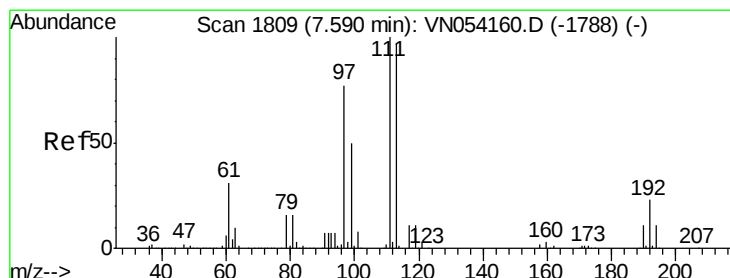
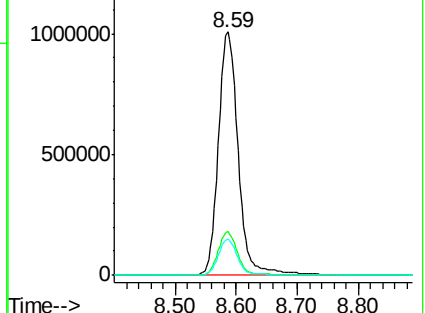
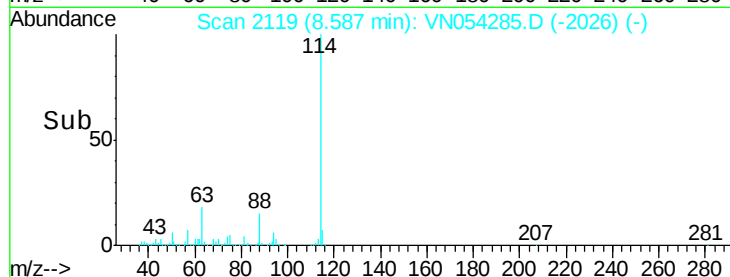
88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.467 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

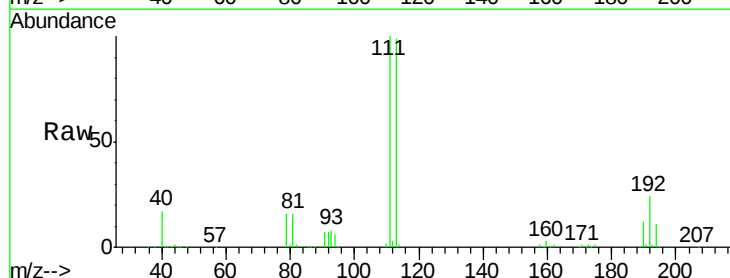
Tgt Ion:113 Resp: 696441

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

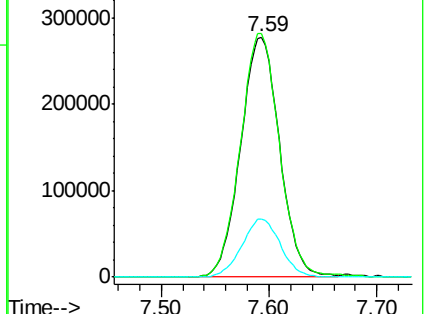
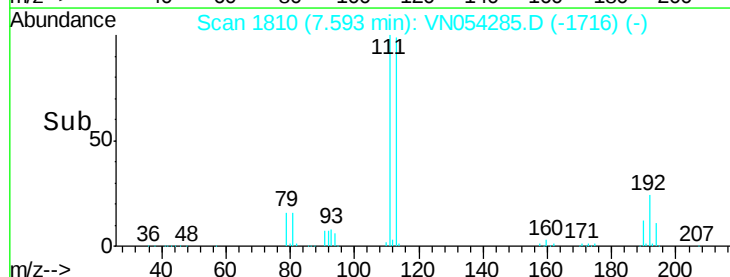
192 24.1 19.2 28.8

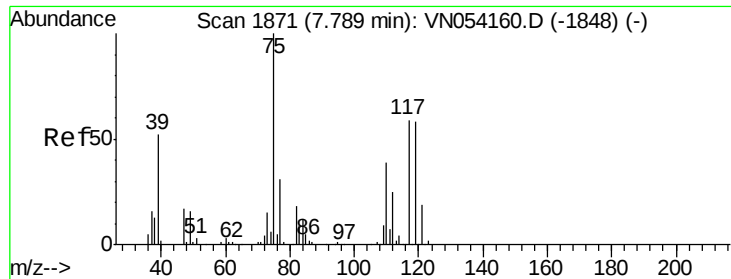


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

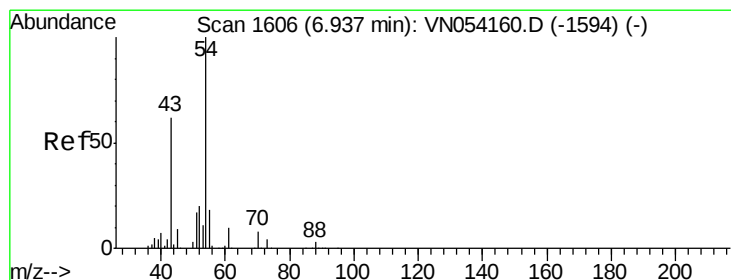
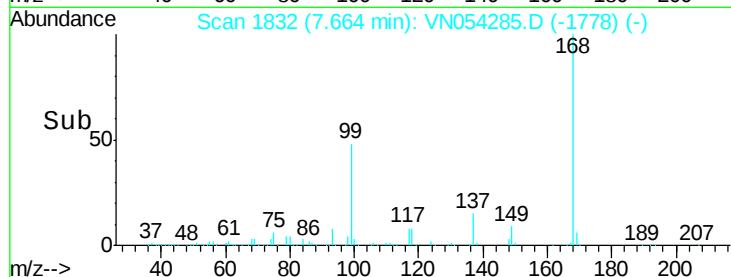
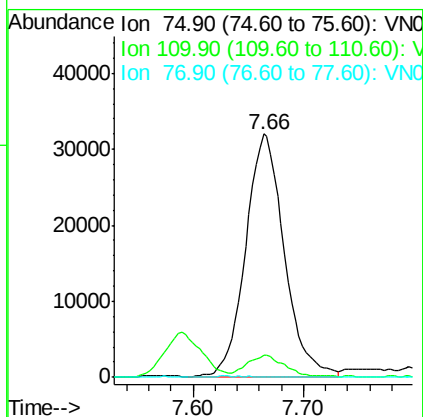
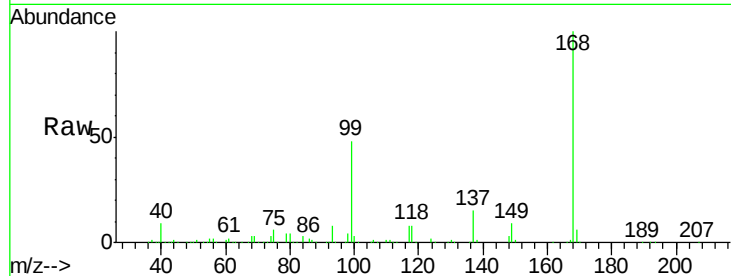




#36
 1,1-Dichloropropene
 Concen: 3.718 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

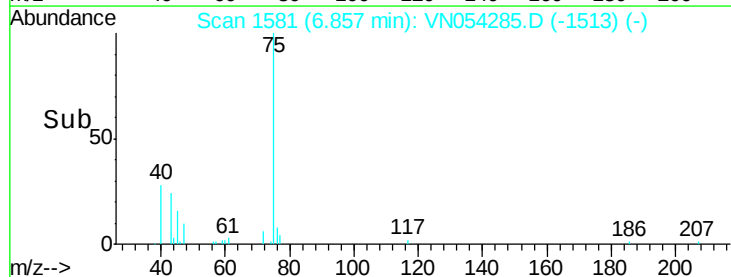
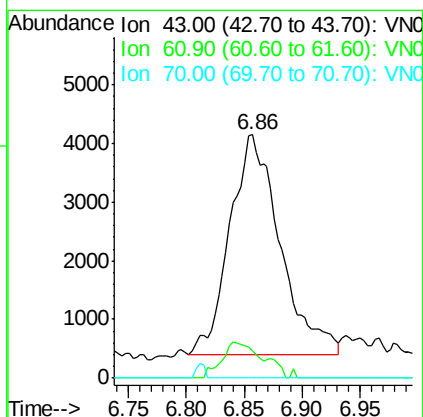
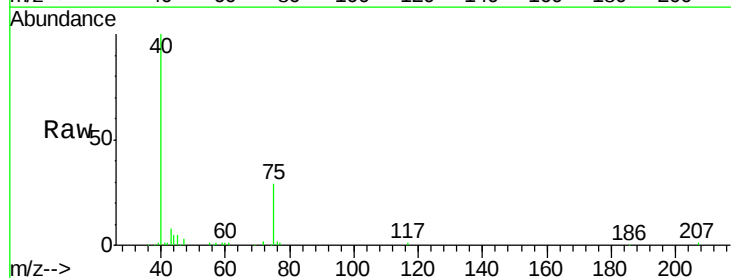
Instrument :
 MSVOA_N
 ClientSampled :
 30245

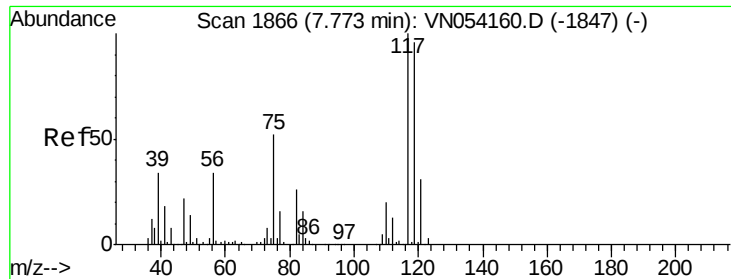
Tot Ion: 75 Resp: 77889
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.1 57.5#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.933 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. -0.08 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

Tgt Ion: 43 Resp: 11233
 Ion Ratio Lower Upper
 43 100
 61 10.9 11.8 17.6#
 70 0.0 8.4 12.6#

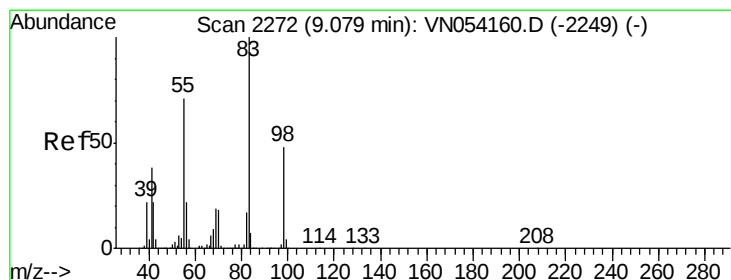
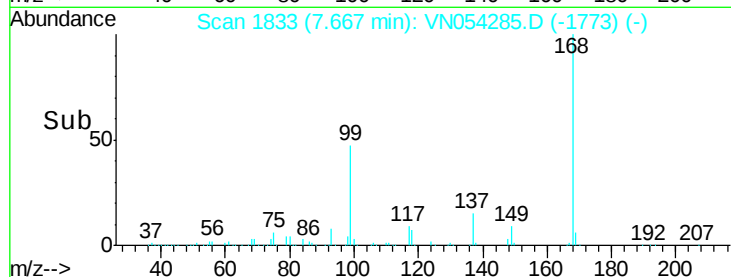
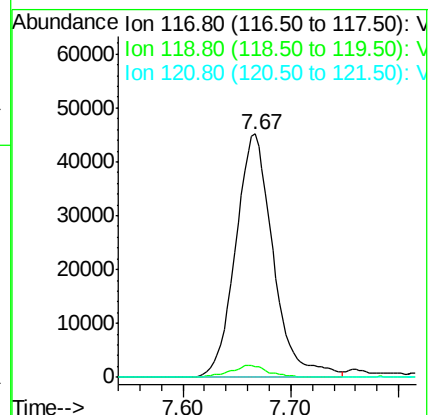
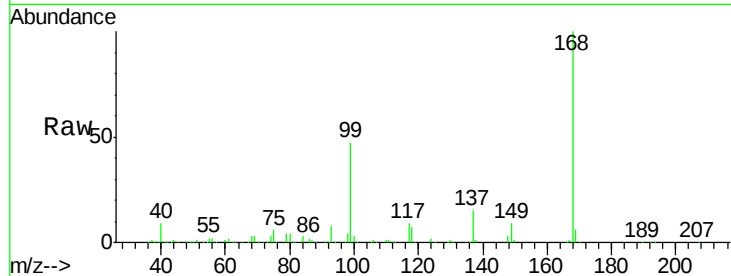




#38
Carbon Tetrachloride
Concen: 4.991 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

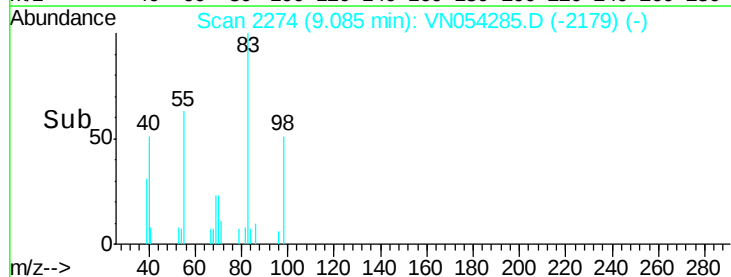
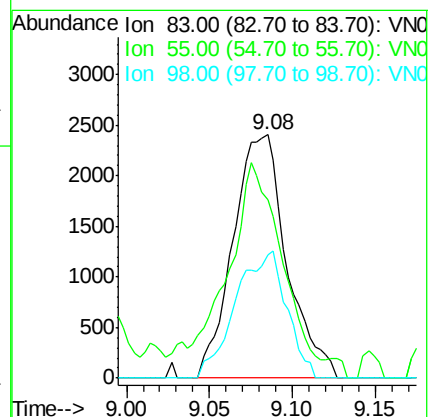
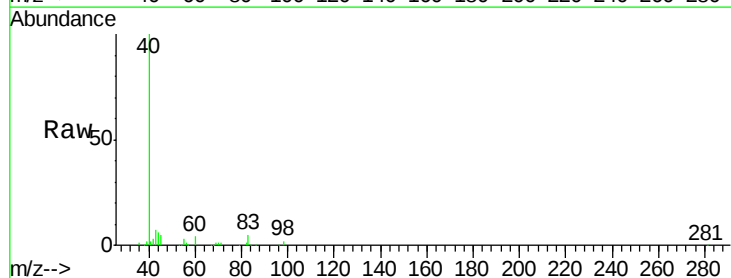
Instrument :
MSVOA_N
ClientSampled :
30245

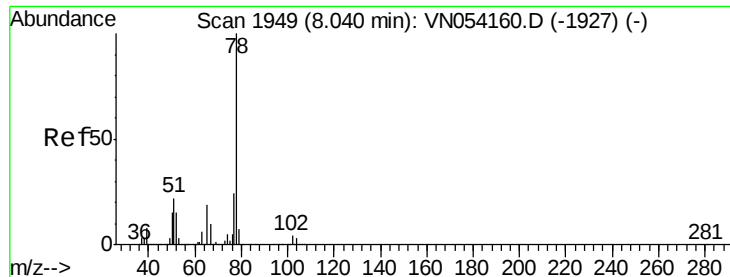
Tot Ion:117 Resp: 109646
Ion Ratio Lower Upper
117 100
119 4.5 76.3 114.5#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 0.210 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 83 Resp: 5423
Ion Ratio Lower Upper
83 100
55 65.8 56.6 84.8
98 50.7 38.4 57.6





#40

Benzene

Concen: 6.036 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

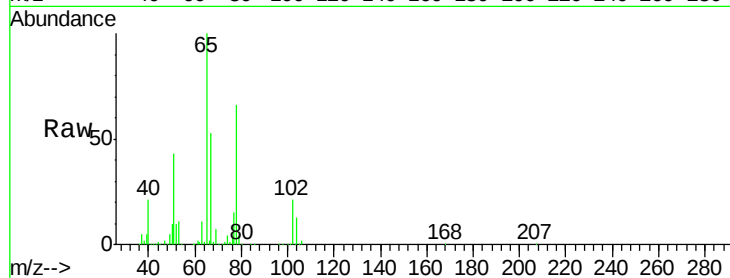
30245

Tot Ion: 78 Resp: 361845

Ion Ratio Lower Upper

78 100

77 22.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

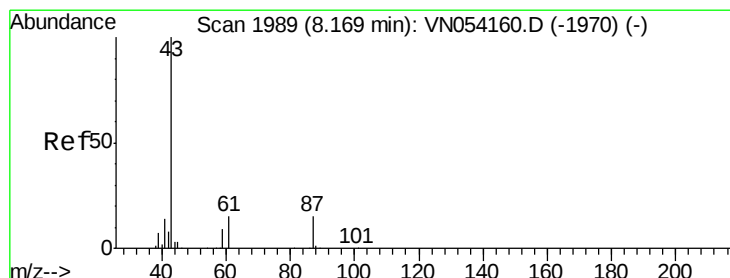
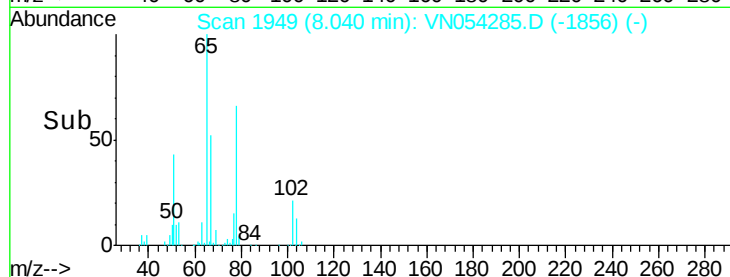
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 1.775 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

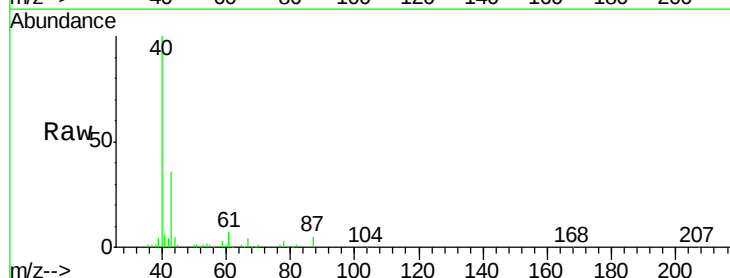
Tgt Ion: 43 Resp: 37504

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

87 15.9 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.17

25000

20000

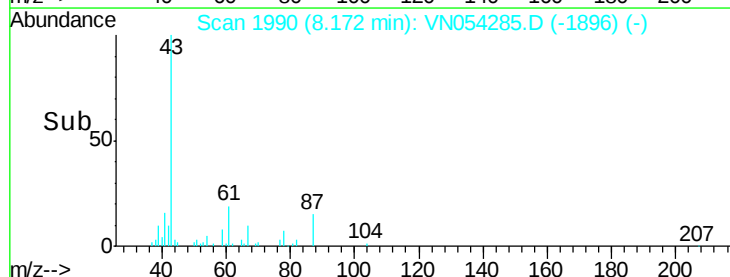
15000

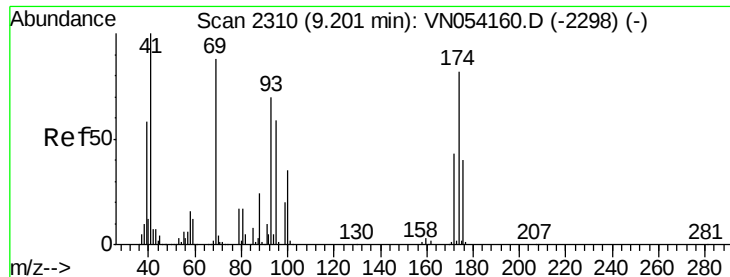
10000

5000

0

Time-->

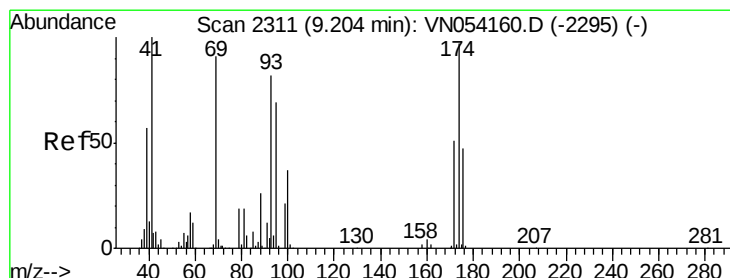
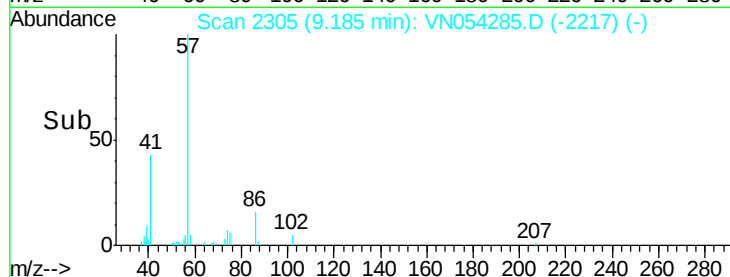
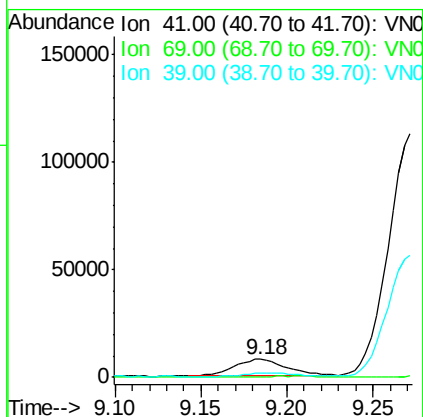
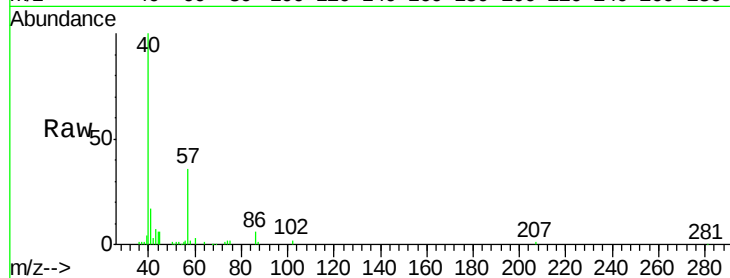




#48
Methvl methacrylate
Concen: 1.560 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

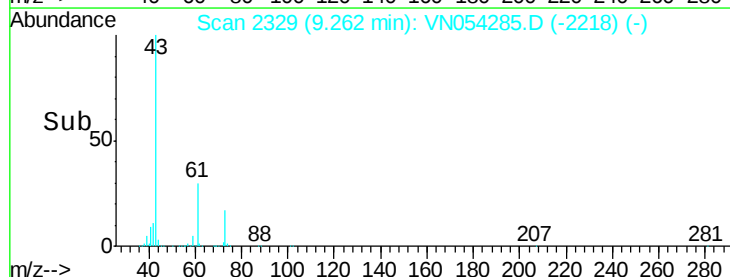
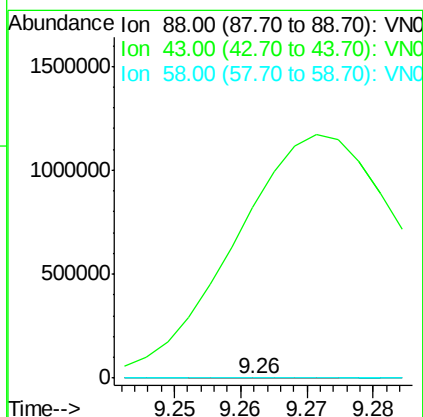
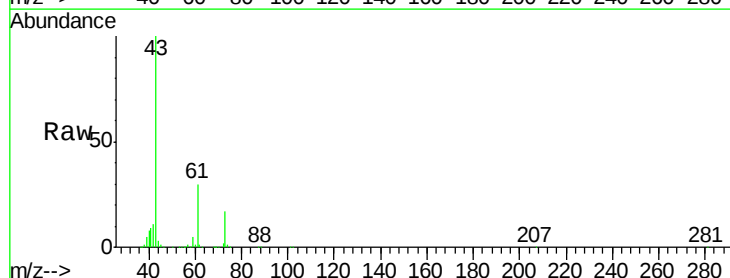
Instrument :
MSVOA_N
ClientSampled :
30245

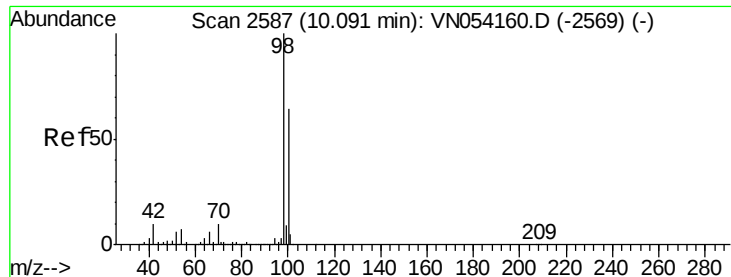
Tot Ion: 41 Resp: 16726
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 31.9 47.5 71.3#



#49
1,4-Dioxane
Concen: 1.174 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 1258462.9 24.1 36.1#
58 5391.6 50.8 76.2#





#50

Toluene-d8

Concen: 52.626 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

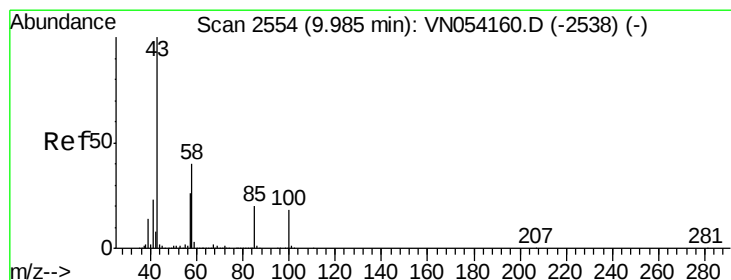
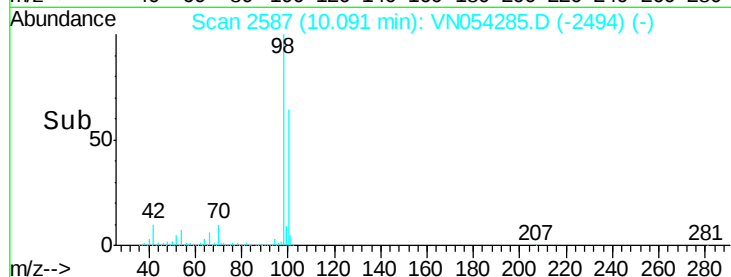
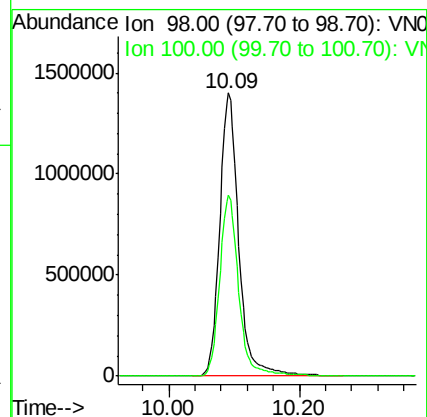
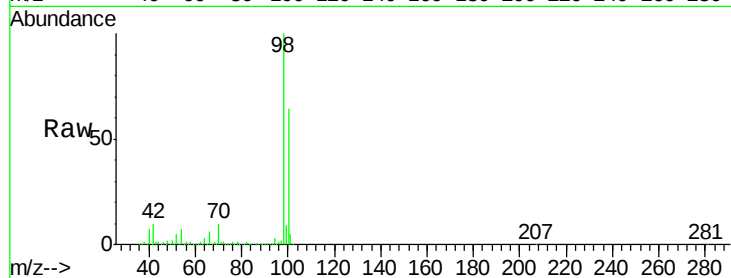
30245

Tot Ion: 98 Resp: 2851619

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.502 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054285.D

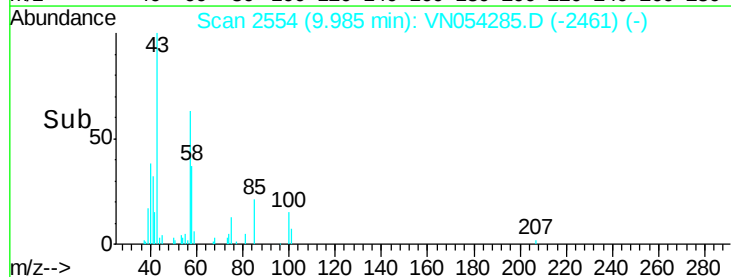
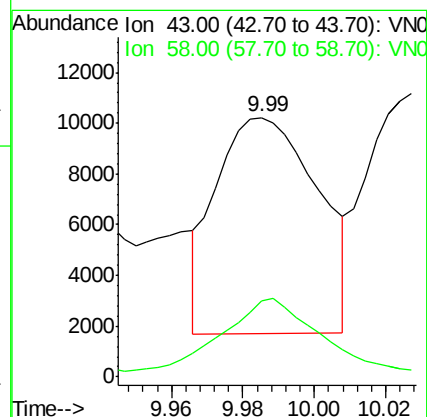
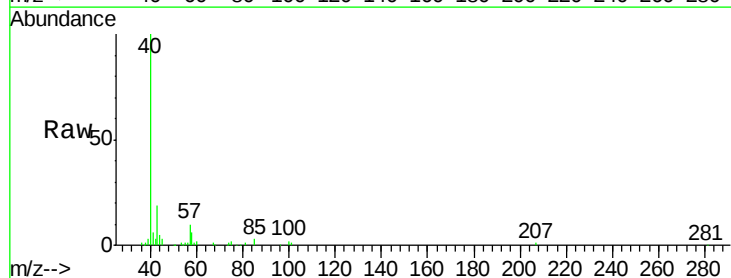
Acq: 15 Mar 2019 2:44

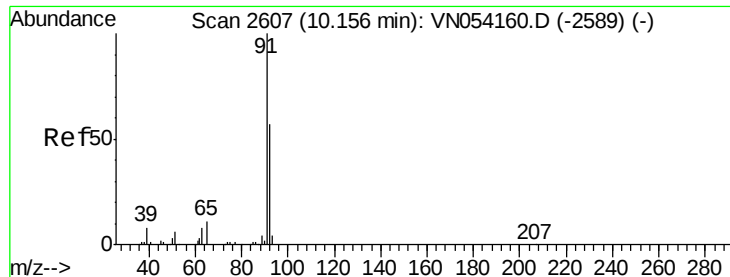
Tgt Ion: 43 Resp: 16795

Ion Ratio Lower Upper

43 100

58 34.6 31.8 47.6





#52

Toluene

Concen: 31.852 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

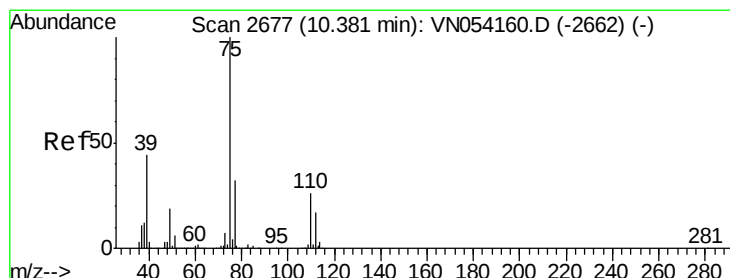
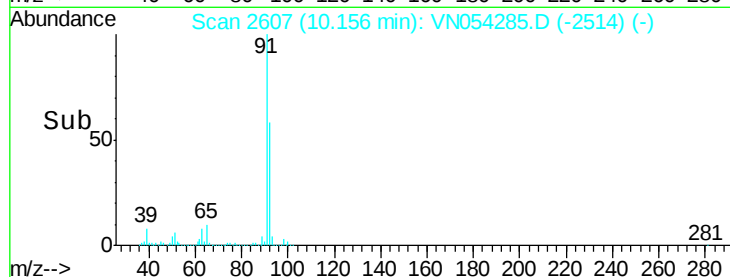
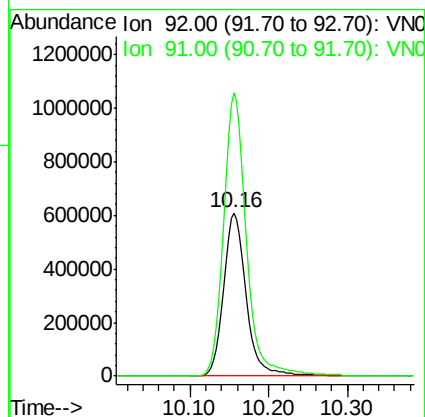
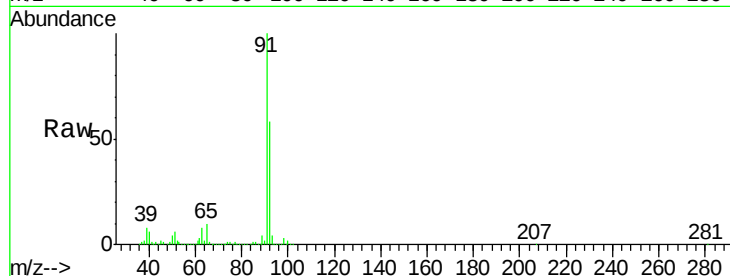
ClientSampleId :
30245

Tot Ion: 92 Resp: 1210784

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.554 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN054285.D

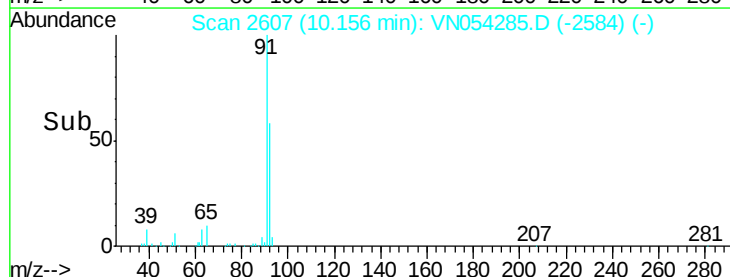
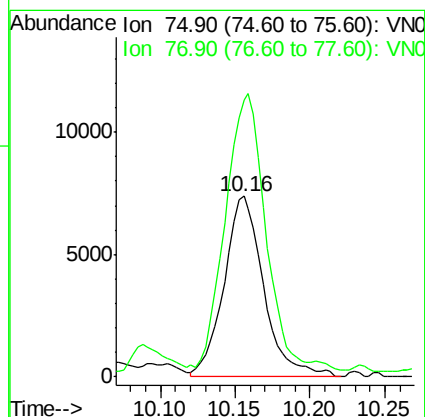
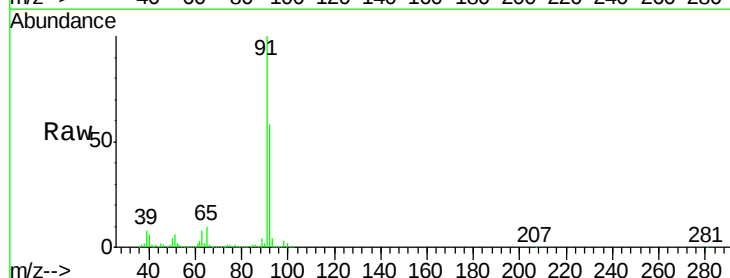
Acq: 15 Mar 2019 2:44

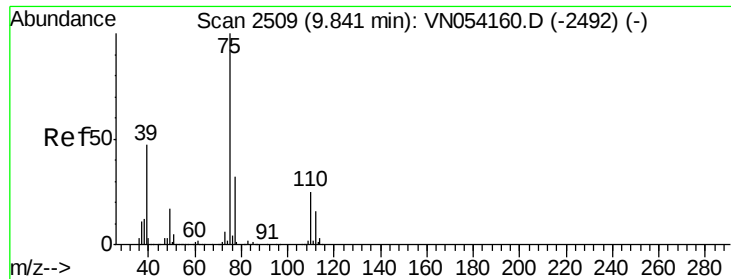
Tgt Ion: 75 Resp: 13640

Ion Ratio Lower Upper

75 100

77 149.5 25.8 38.8#



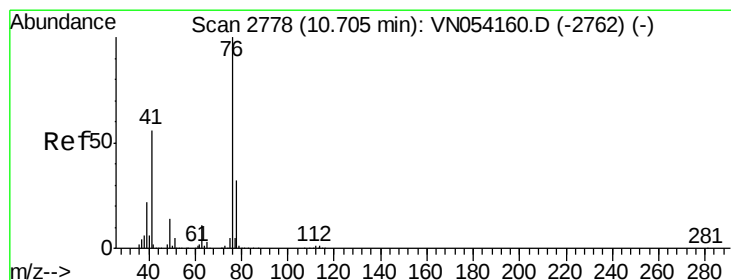
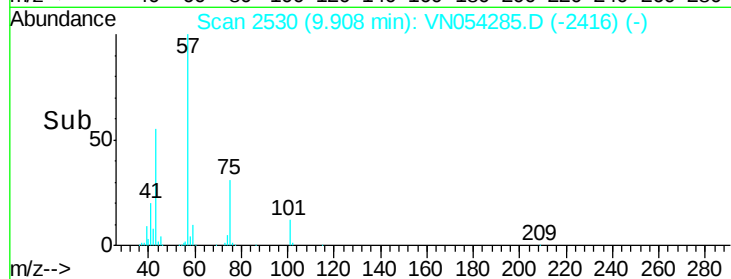
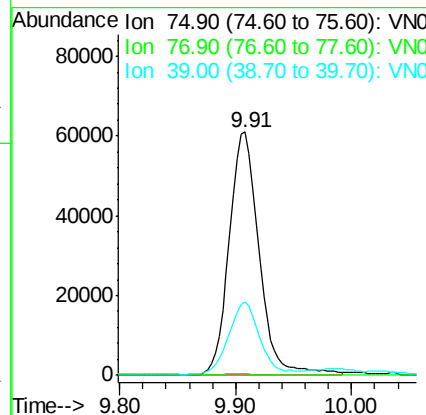
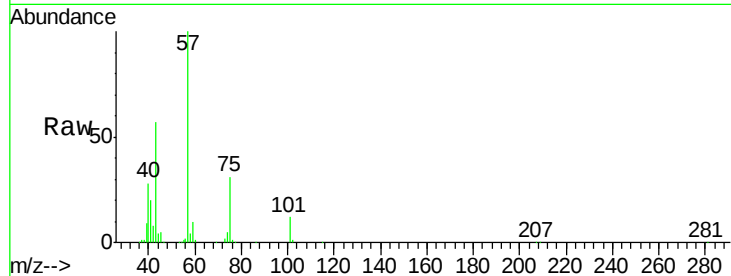


#54

cis-1,3-Dichloropropene
 Concen: 4.648 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

Instrument :
 MSVOA_N
 ClientSampleId :
 30245

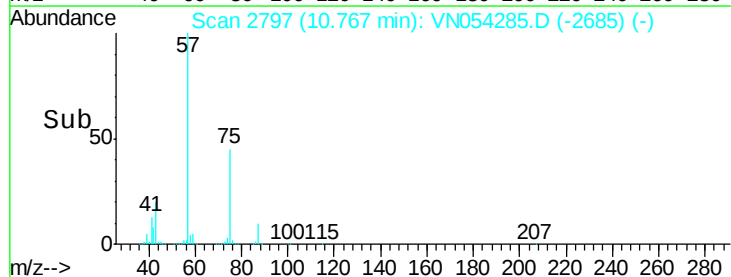
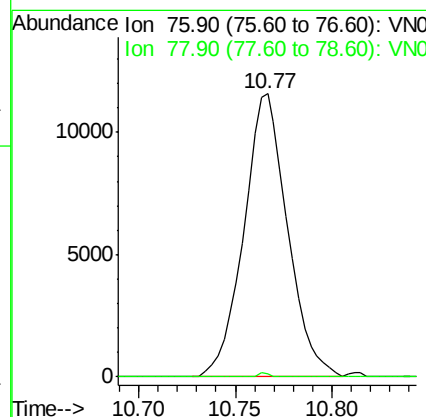
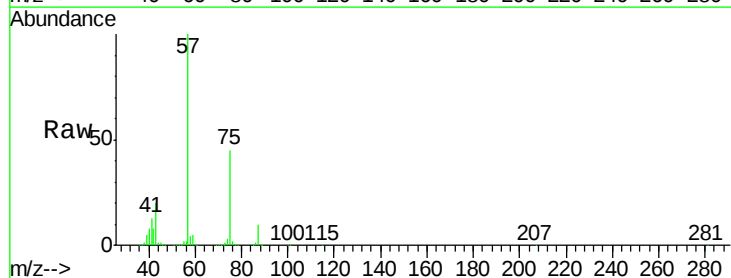
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.4	38.0#
39	29.8	37.2	55.8#

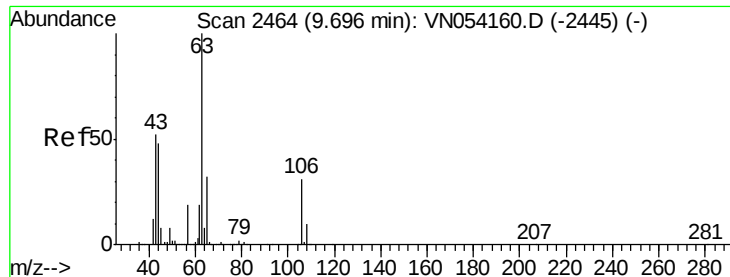


#57

1,3-Dichloropropane
 Concen: 0.803 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.3	25.7	38.5#

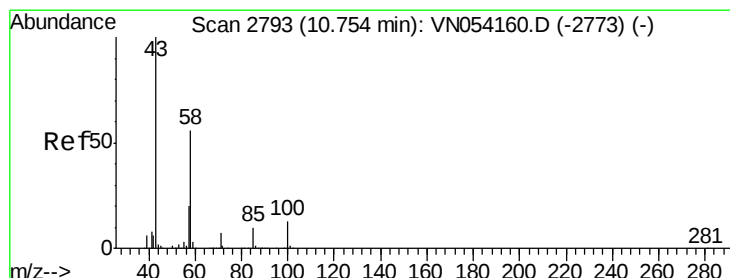
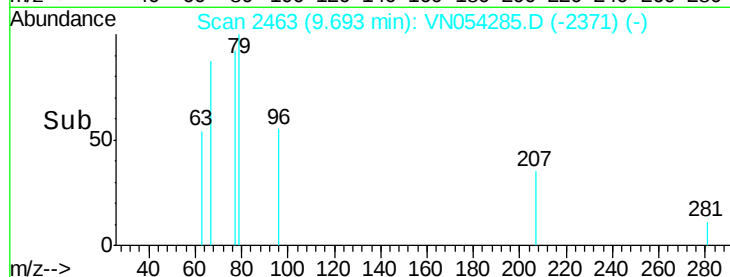
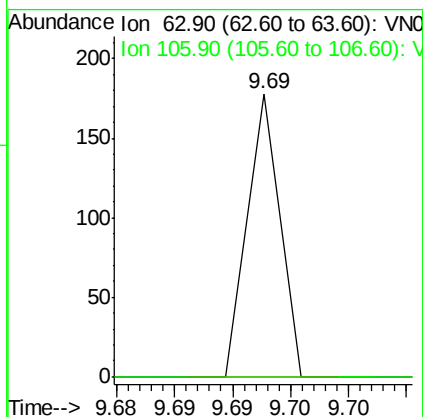
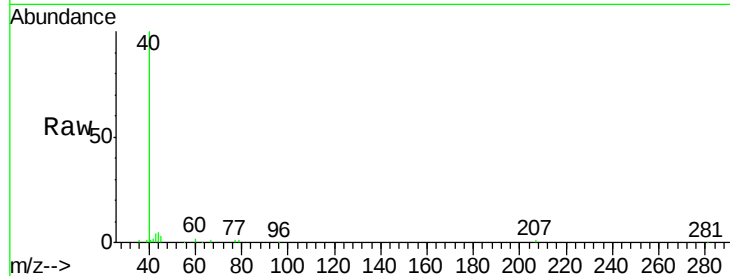




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.832 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

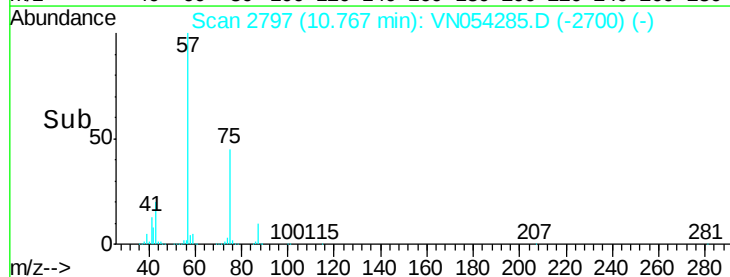
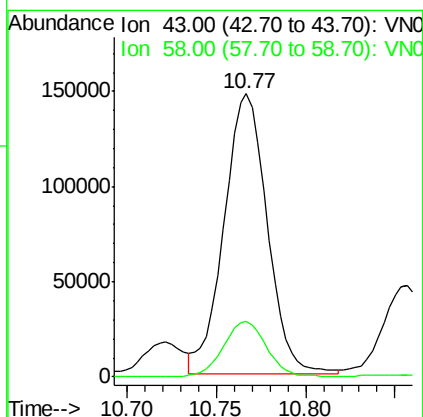
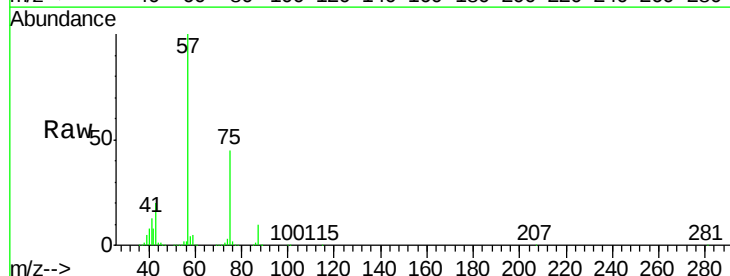
Instrument :
 MSVOA_N
 ClientSampled :
 30245

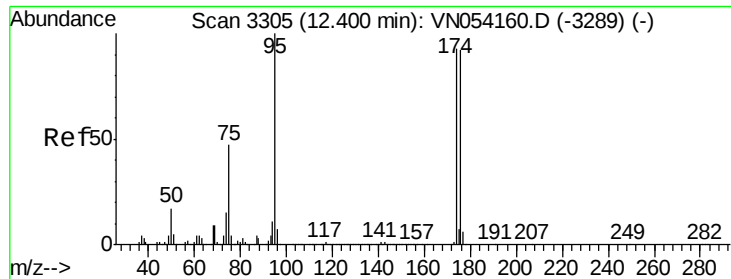
Tot Ion: 63 Resp: 34
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#59
 2-Hexanone
 Concen: 33.131 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054285.D
 Acq: 15 Mar 2019 2:44

Tgt Ion: 43 Resp: 246505
 Ion Ratio Lower Upper
 43 100
 58 20.0 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 59.409 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

30245

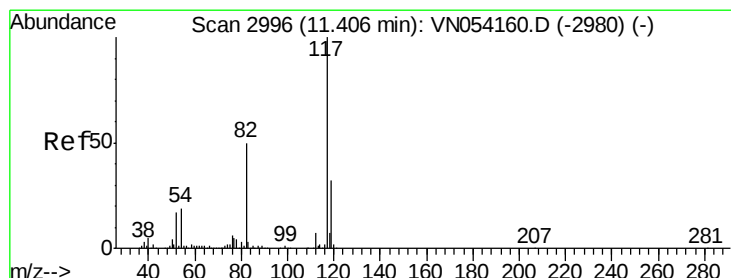
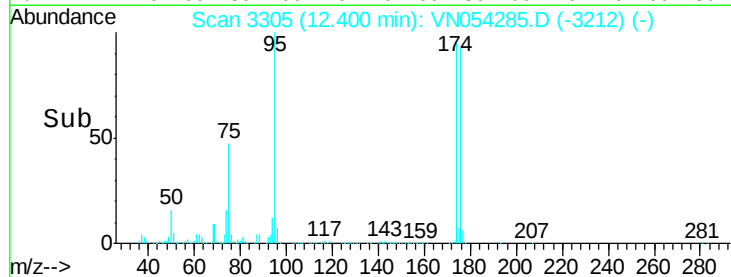
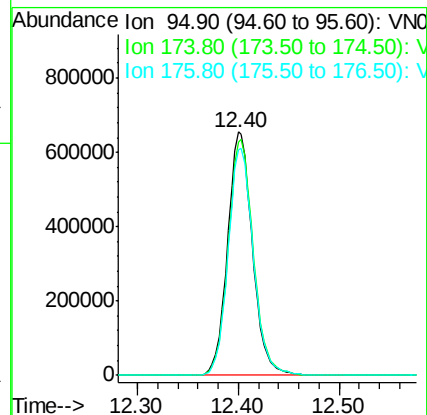
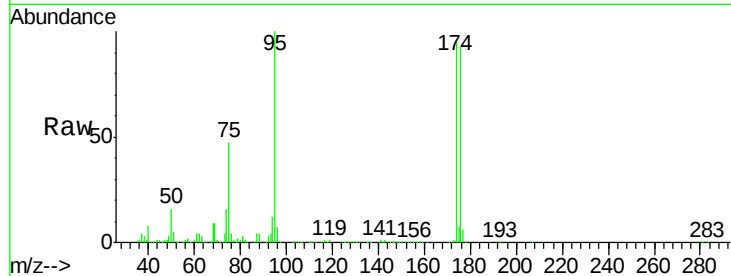
Tot Ion: 95 Resp: 1126389

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

176 94.9 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

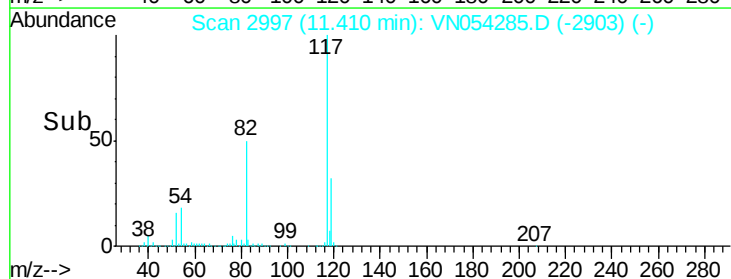
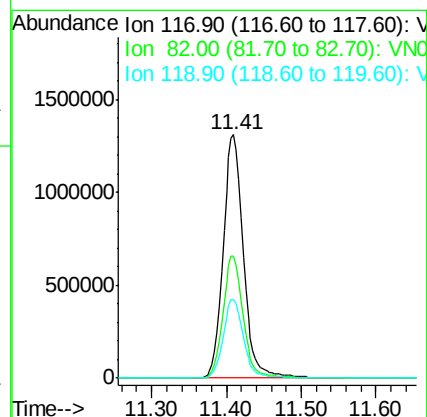
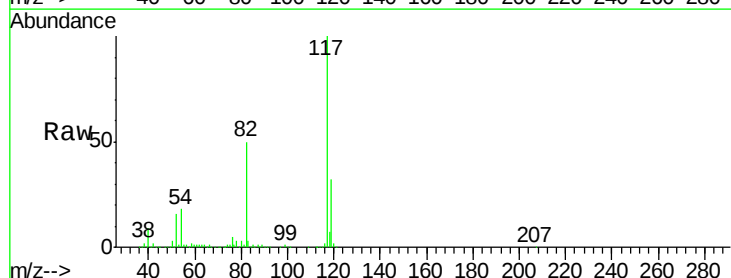
Tgt Ion: 117 Resp: 2449284

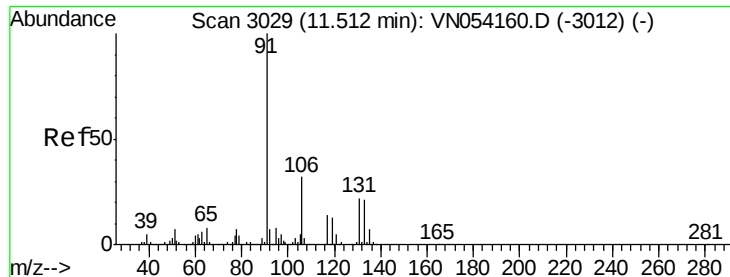
Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.5 25.8 38.6

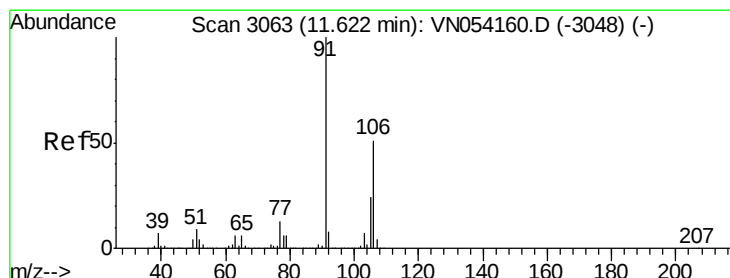
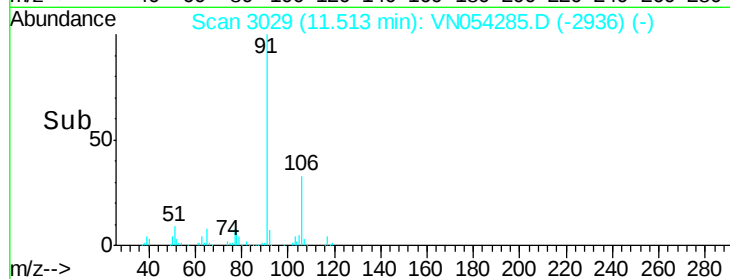
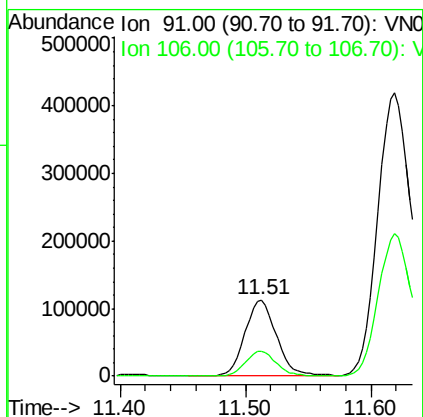
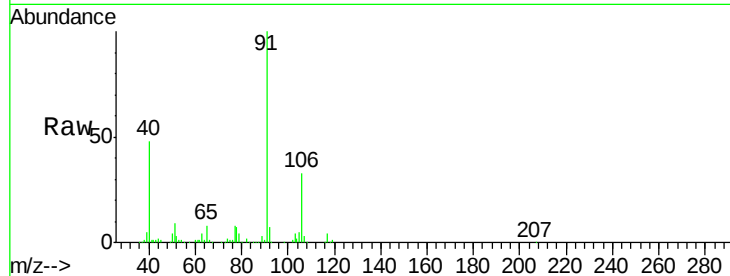




#67
Ethyl Benzene
Concen: 2.230 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

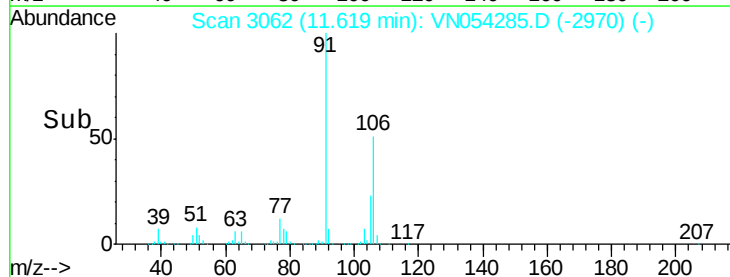
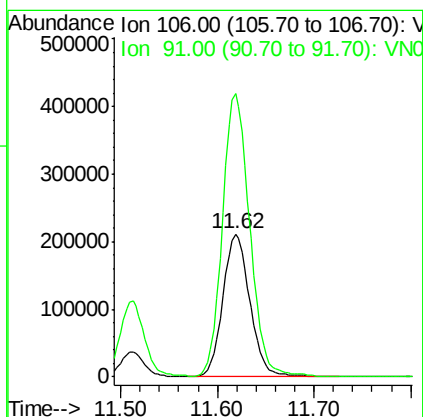
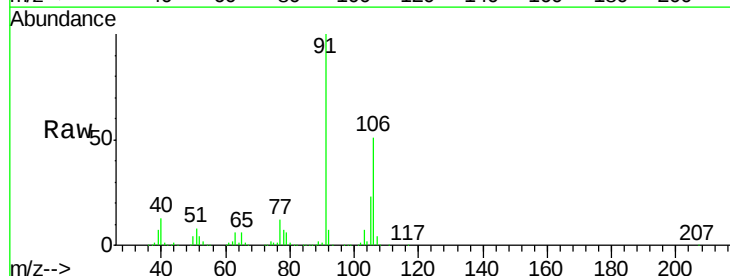
Instrument :
MSVOA_N
ClientSampled :
30245

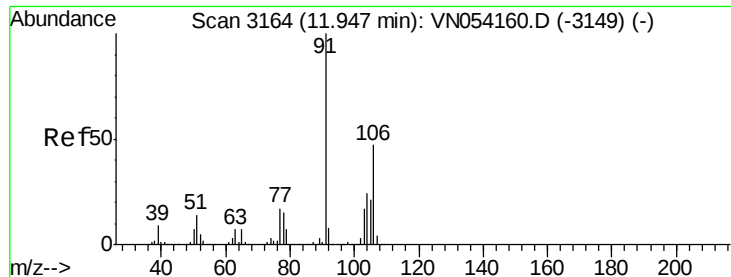
Tot Ion: 91 Resp: 198762
Ion Ratio Lower Upper
91 100
106 33.1 25.5 38.3



#68
m/p-Xylenes
Concen: 11.813 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion: 106 Resp: 411611
Ion Ratio Lower Upper
106 100
91 199.4 159.4 239.2

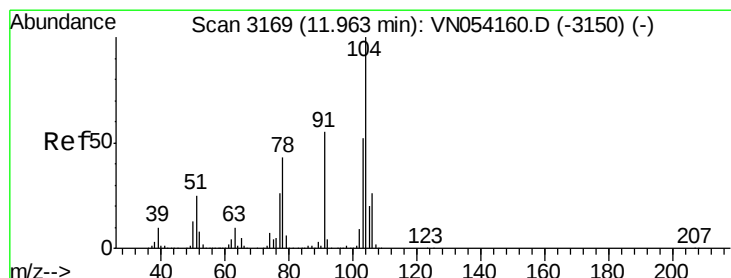
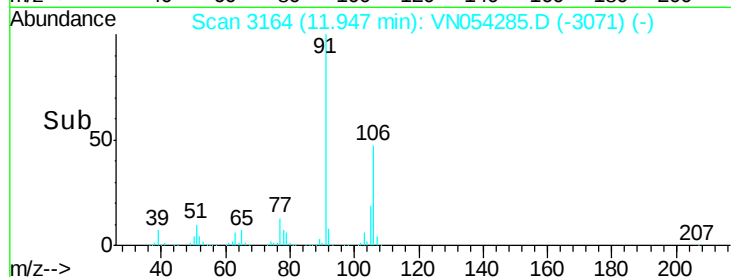
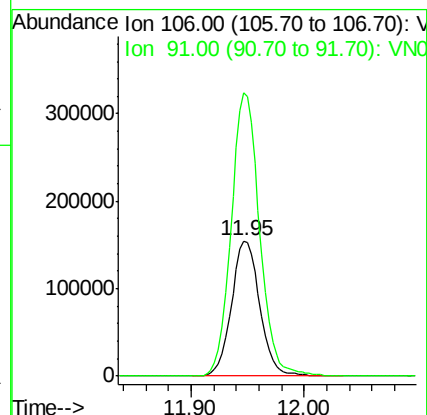
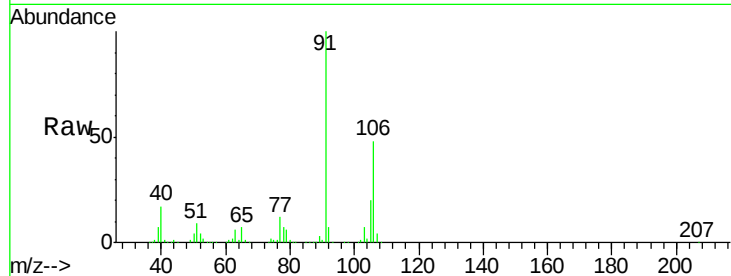




#69
o-Xylene
Concen: 7.929 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

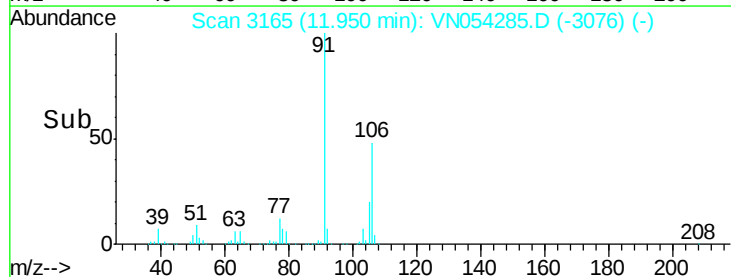
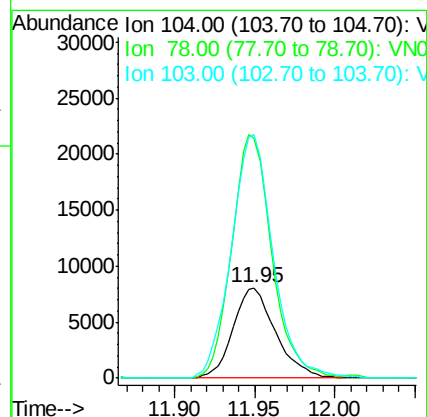
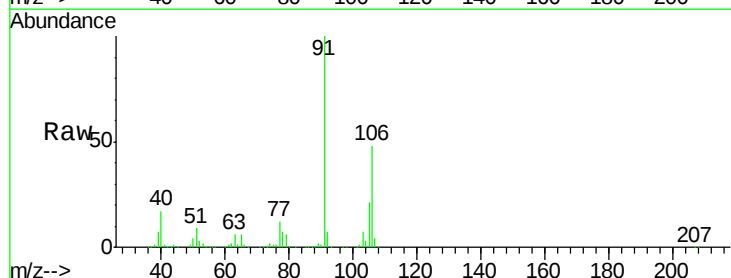
Instrument :
MSVOA_N
ClientSampled :
30245

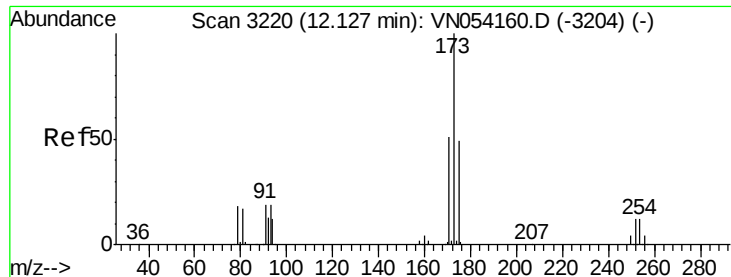
Tot Ion:106 Resp: 269326
Ion Ratio Lower Upper
106 100
91 210.0 105.7 317.1



#70
Styrene
Concen: 0.274 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Tgt Ion:104 Resp: 14587
Ion Ratio Lower Upper
104 100
78 254.3 38.2 57.2#
103 265.6 44.4 66.6#





#71

Bromoform

Concen: 2.809 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampleId :

30245

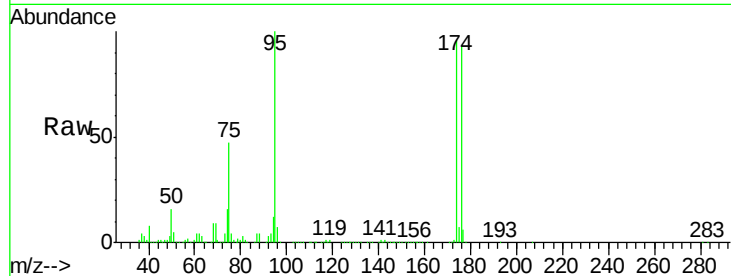
Tot Ion:173 Resp: 7159

Ion Ratio Lower Upper

173 100

175 938.8 24.4 73.2#

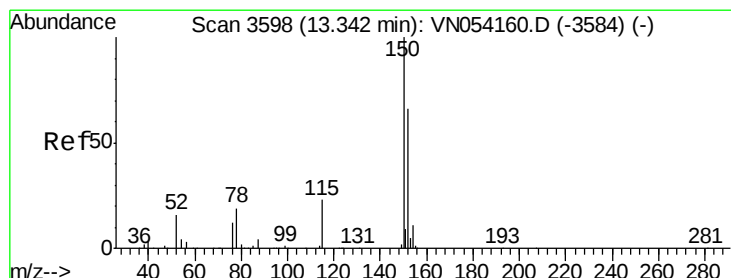
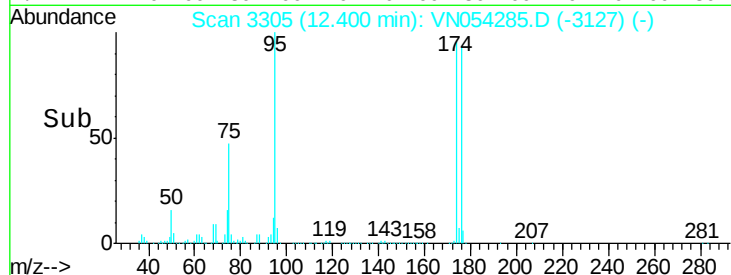
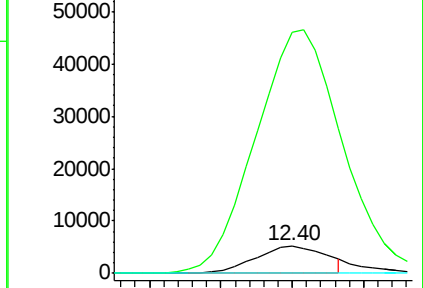
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

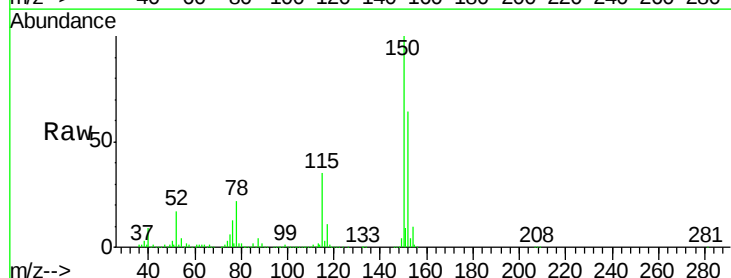
Tgt Ion:152 Resp: 1086720

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

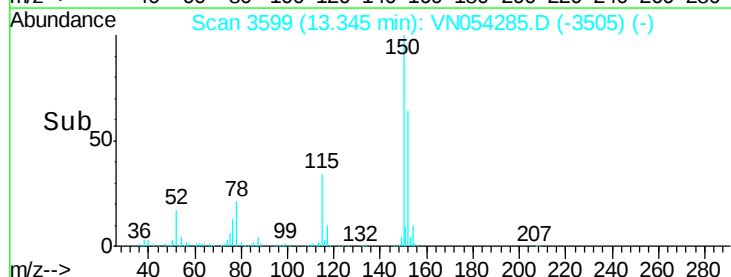
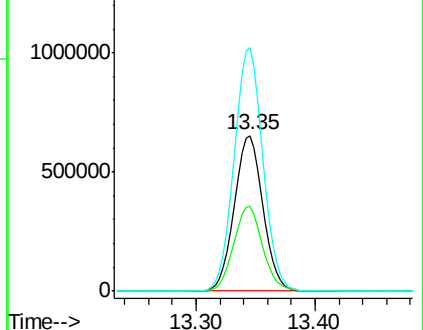
150 157.2 0.0 349.2

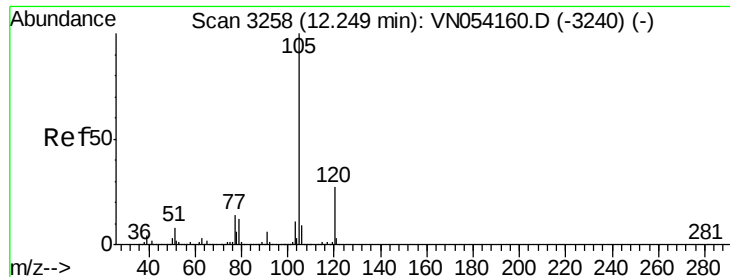


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.284 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

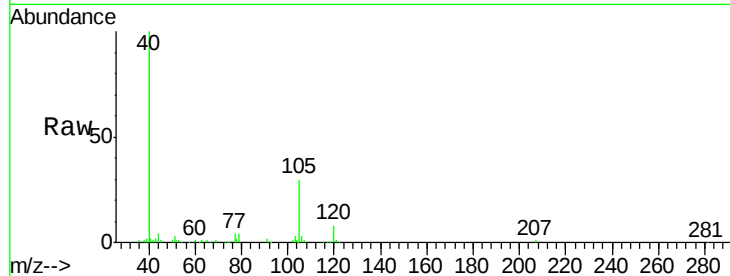
ClientSampleId :
30245

Tot Ion: 105 Resp: 24683

Ion Ratio Lower Upper

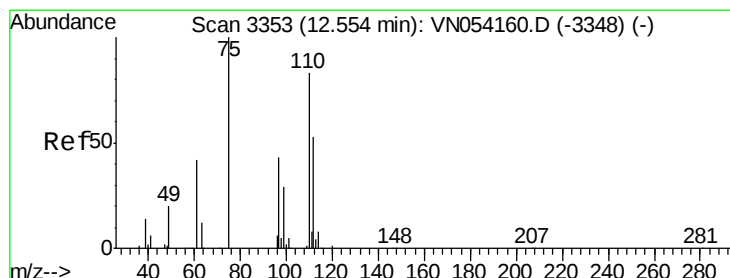
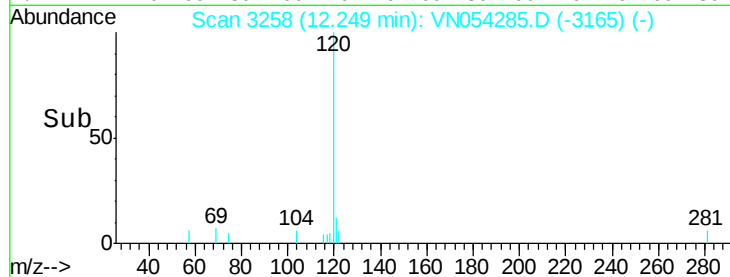
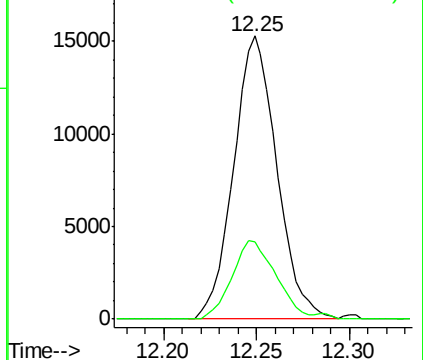
105 100

120 28.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 33.259 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054285.D

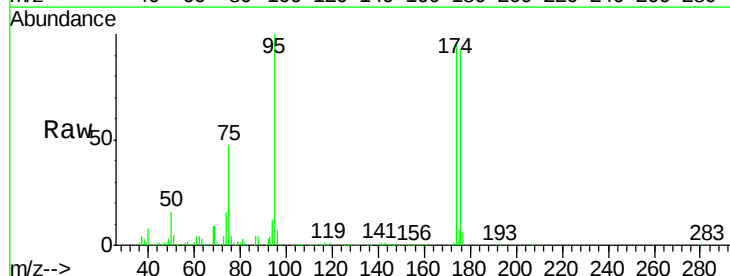
Acq: 15 Mar 2019 2:44

Tgt Ion: 75 Resp: 531496

Ion Ratio Lower Upper

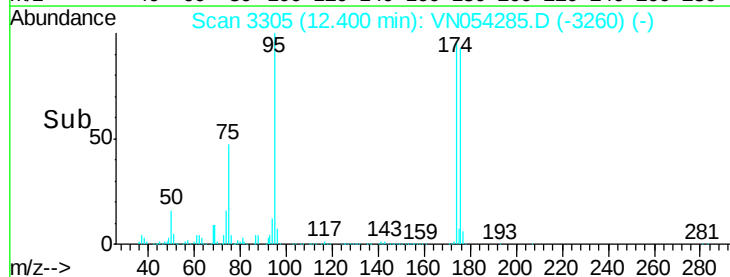
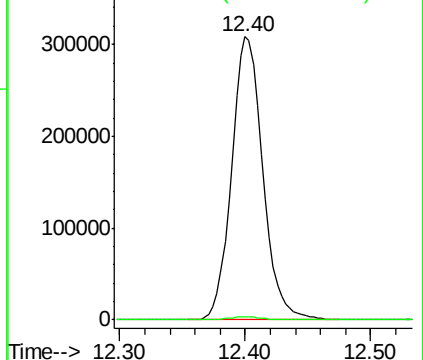
75 100

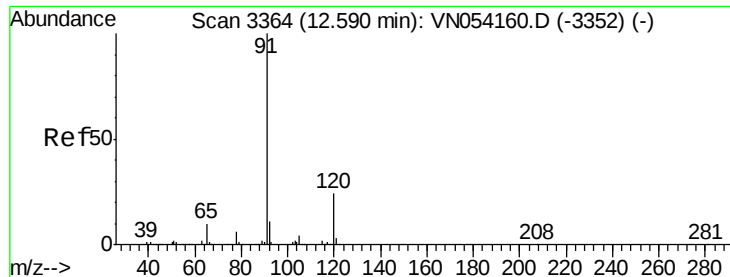
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 0.586 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

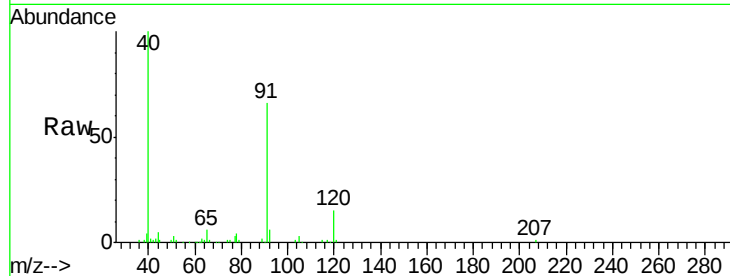
30245

Tot Ion: 91 Resp: 55301

Ion Ratio Lower Upper

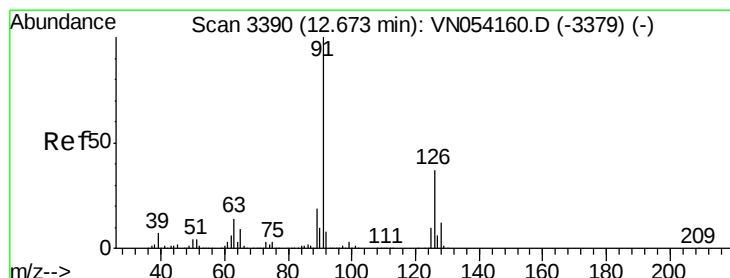
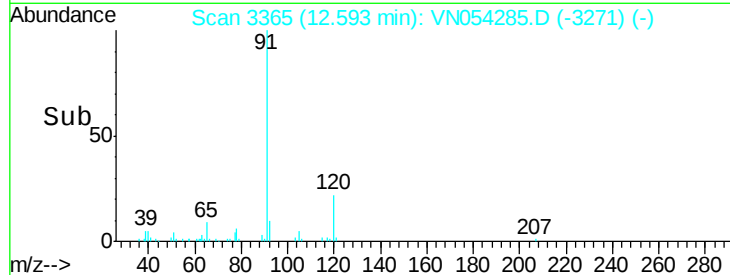
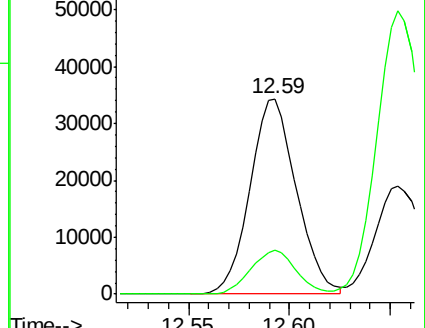
91 100

120 21.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.763 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054285.D

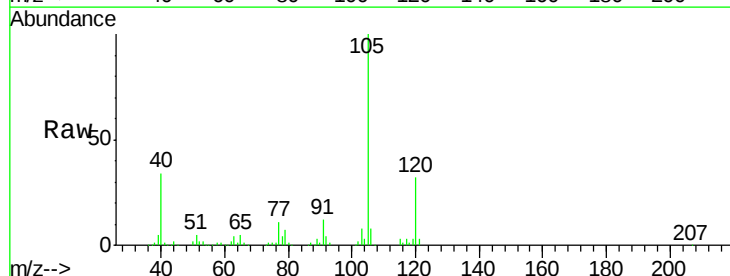
Acq: 15 Mar 2019 2:44

Tgt Ion: 91 Resp: 43293

Ion Ratio Lower Upper

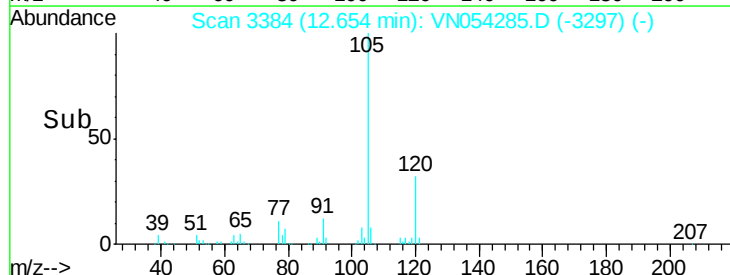
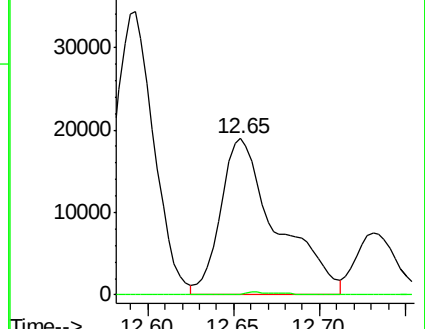
91 100

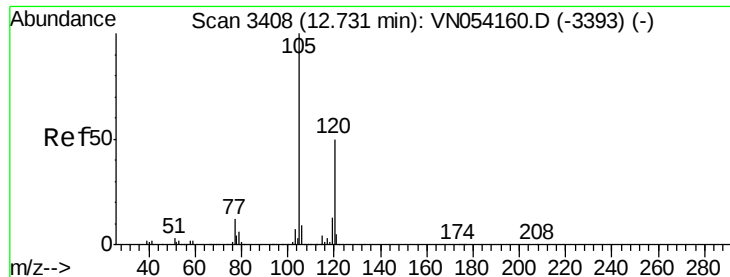
126 0.5 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.558 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

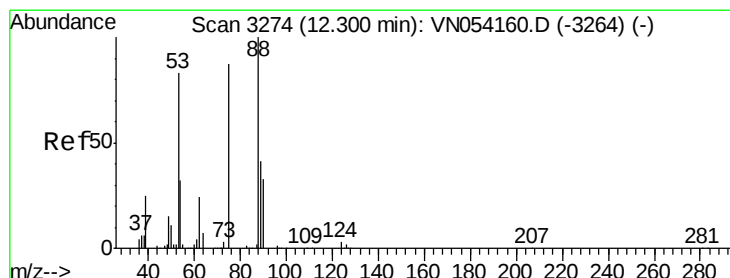
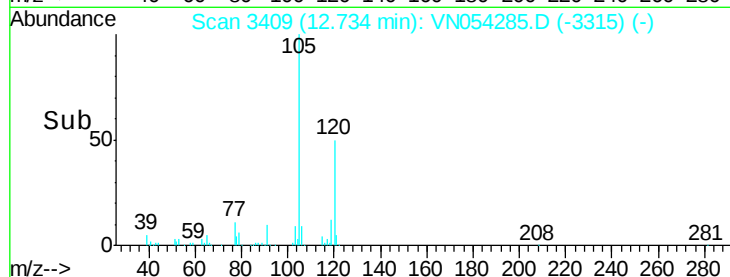
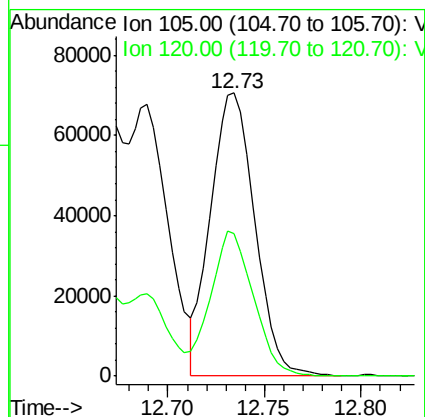
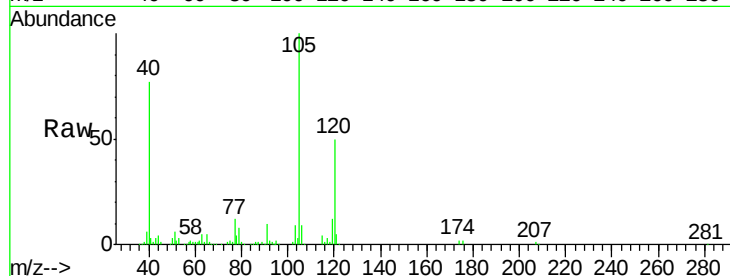
30245

Tot Ion:105 Resp: 112707

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 113.693 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

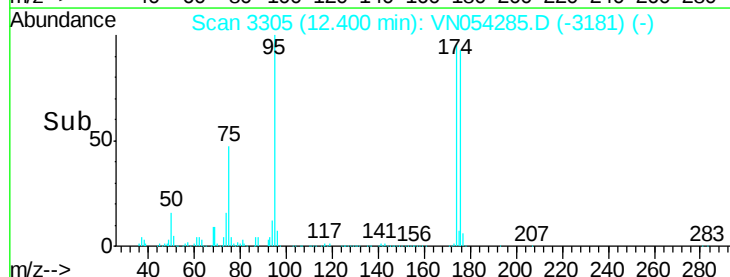
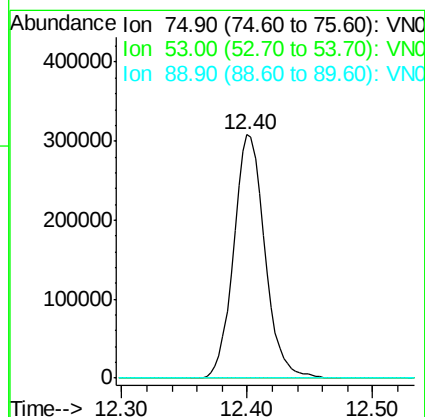
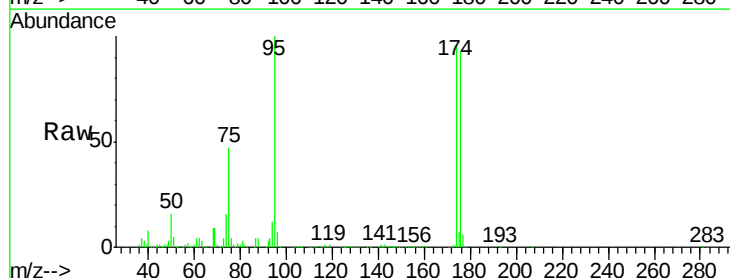
Tgt Ion: 75 Resp: 531496

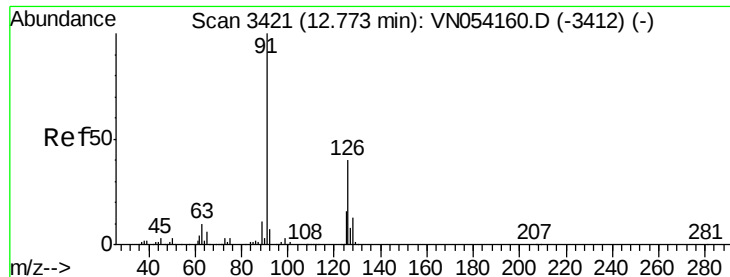
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 0.220 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

ClientSampled :

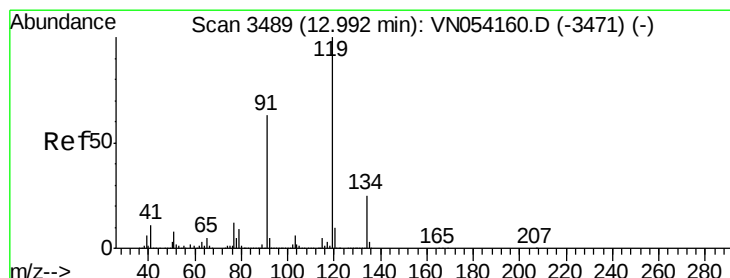
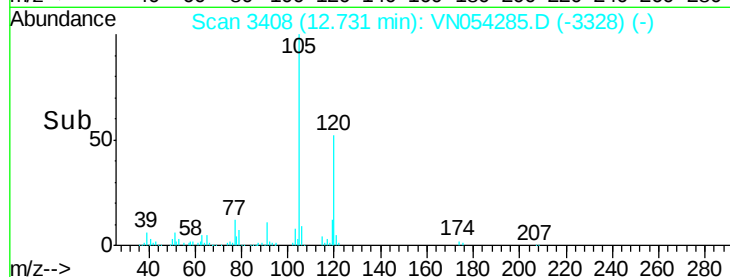
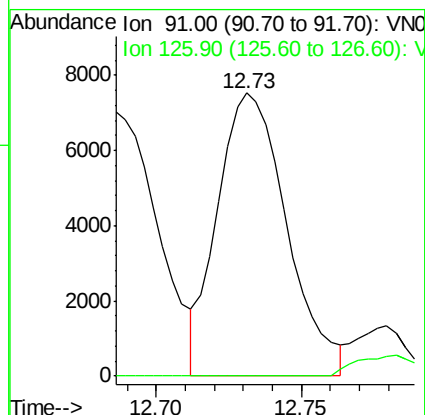
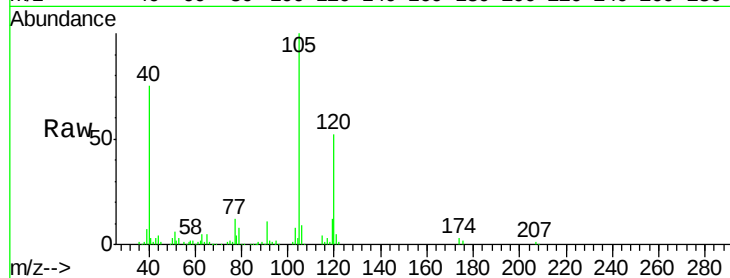
30245

Tot Ion: 91 Resp: 12488

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#83

tert-Butylbenzene

Concen: 0.757 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

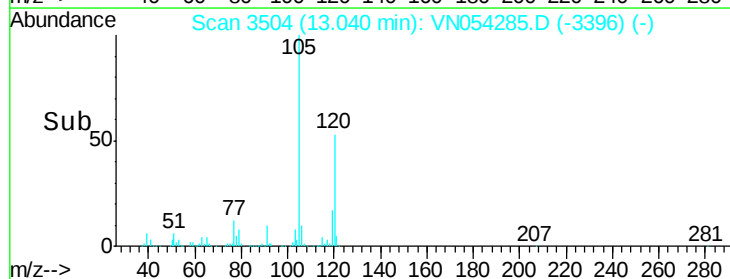
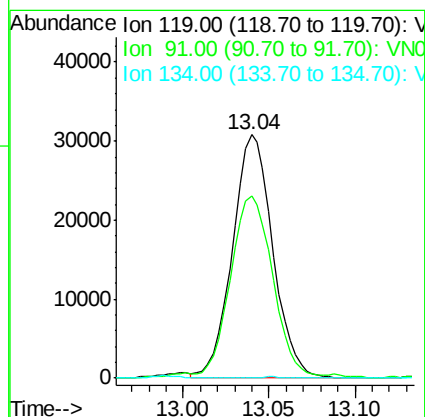
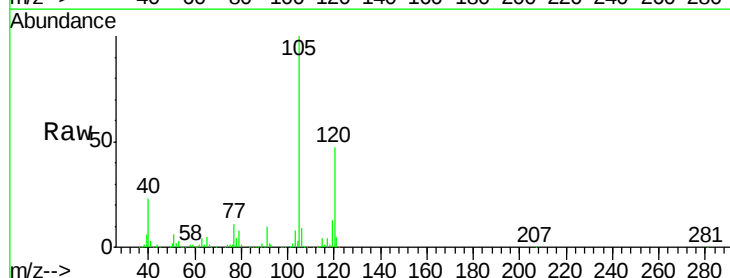
Tgt Ion: 119 Resp: 50370

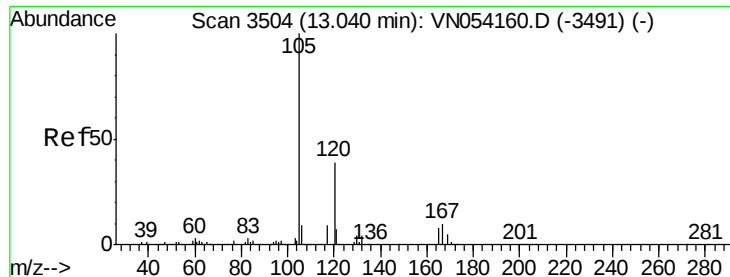
Ion Ratio Lower Upper

119 100

91 80.2 30.9 92.8

134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 5.636 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

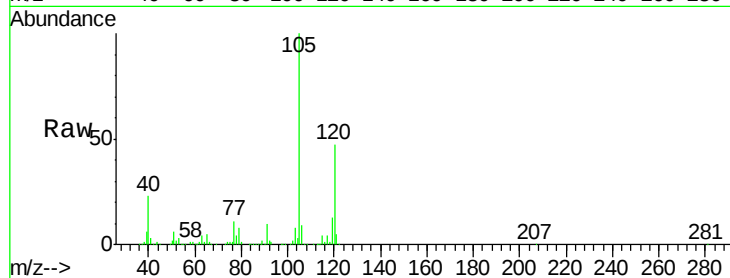
ClientSampleId :
30245

Tot Ion:105 Resp: 399841

Ion Ratio Lower Upper

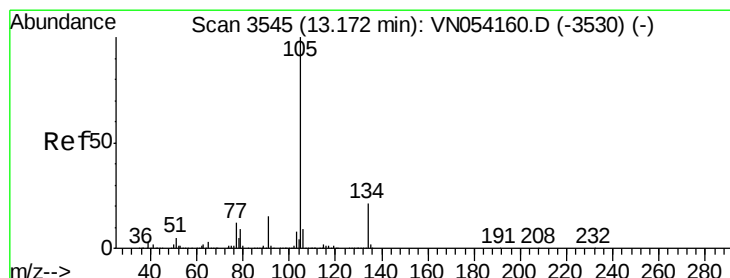
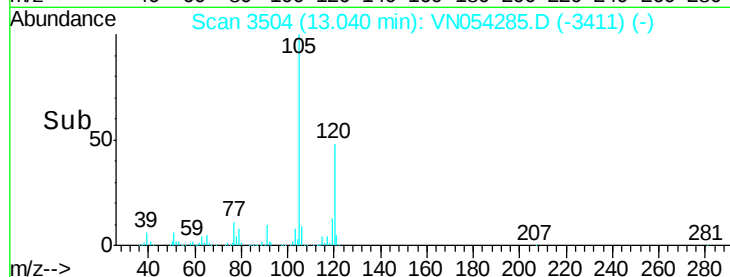
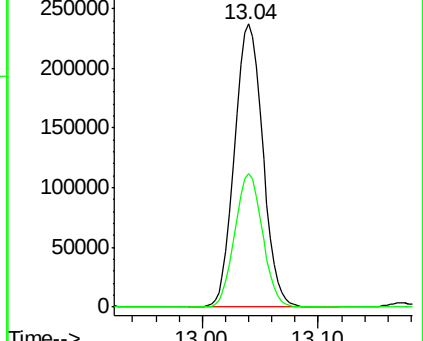
105 100

120 46.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.632 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054285.D

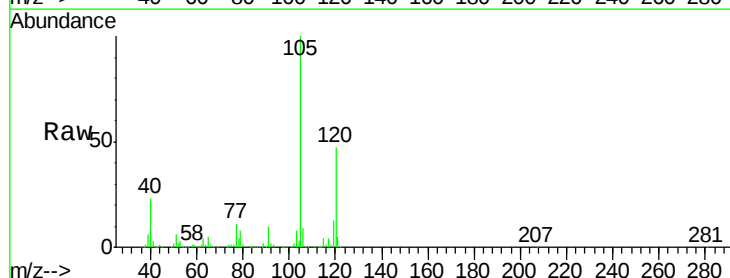
Acq: 15 Mar 2019 2:44

Tgt Ion:105 Resp: 399841

Ion Ratio Lower Upper

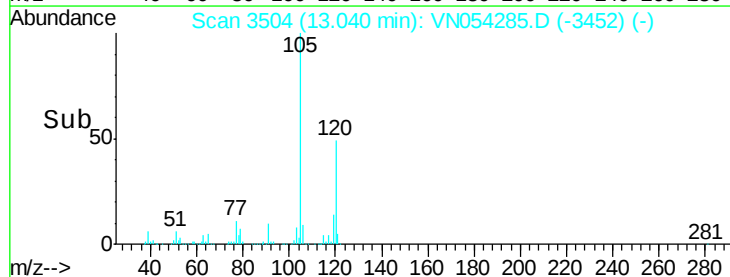
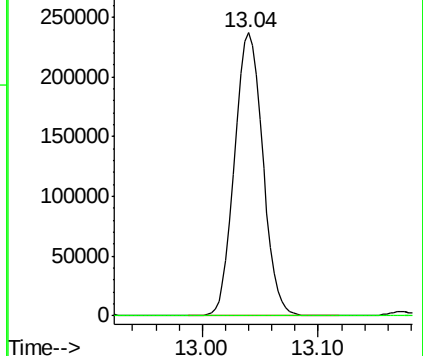
105 100

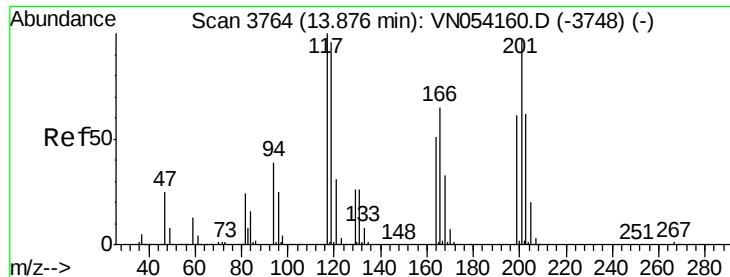
134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.334 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

Instrument :

MSVOA_N

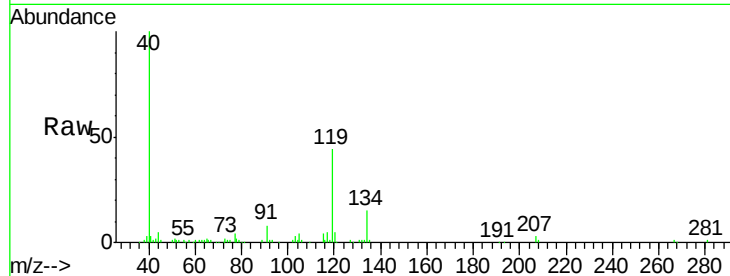
ClientSampled :
30245

Tot Ion:117 Resp: 4191

Ion Ratio Lower Upper

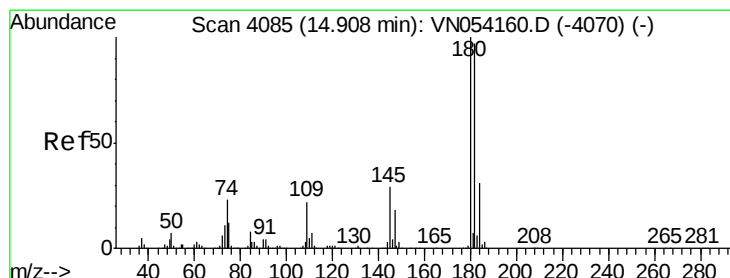
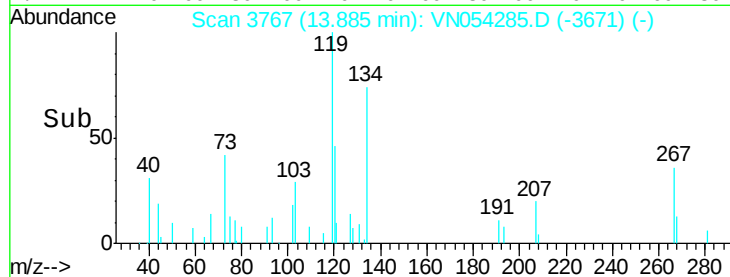
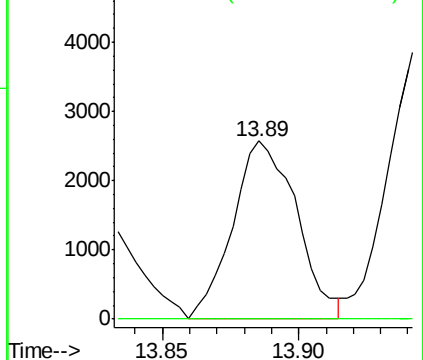
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.566 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054285.D

Acq: 15 Mar 2019 2:44

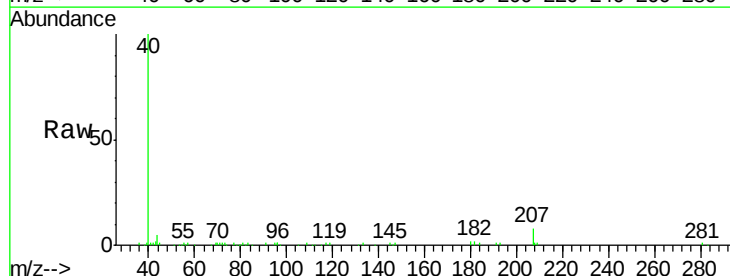
Tgt Ion:180 Resp: 1195

Ion Ratio Lower Upper

180 100

182 140.2 48.0 144.2

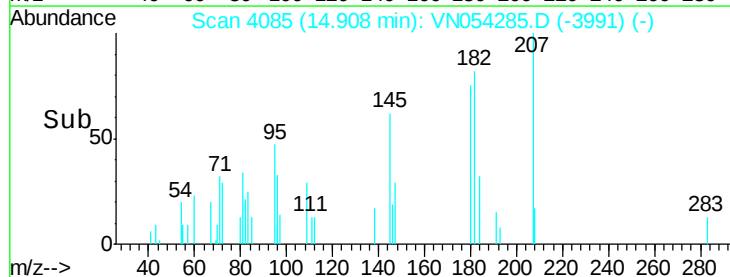
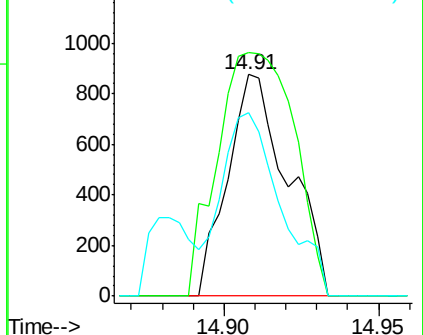
145 81.3 14.2 42.8#

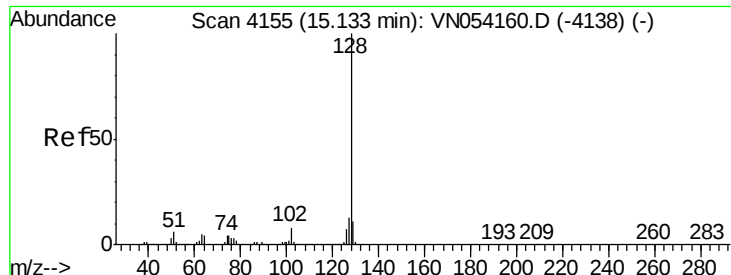


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

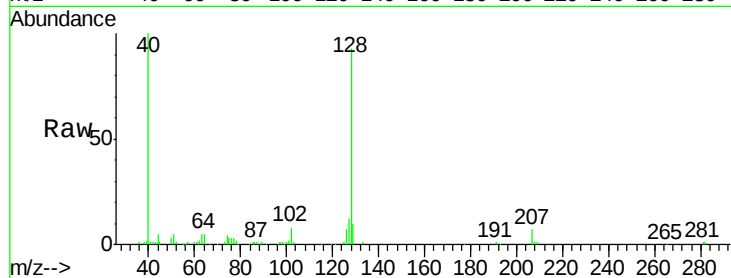




#95
Naphthalene
Concen: 5.208 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054285.D
Acq: 15 Mar 2019 2:44

Instrument :
MSVOA_N
ClientSampleId :
30245

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

