

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054297.D
 Acq On : 15 Mar 2019 8:12
 Operator : JC/SP
 Sample : K1902-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30300

Quant Time: Mar 15 12:46:37 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	7.66	168	1531660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2526718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2704964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1291641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	771030	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.59	113	754231	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	10.09	98	3169789	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.40	95	1270814	60.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.70%	

Target Compounds

					Qvalue
10) Methyl Iodide	3.94	142	399	1.514 ug/l #	66
11) Tert butyl alcohol	4.81	59	8767	7.862 ug/l #	84
13) Acrolein	3.61	56	73452	69.512 ug/l	99
14) Allyl chloride	4.09	41	138547	6.786 ug/l #	69
16) Acetone	3.82	43	17742233	3809.466 ug/l	99
17) Carbon Disulfide	4.04	76	31655	0.794 ug/l	96
18) Methyl Acetate	4.33	43	297990	31.625 ug/l	98
20) Methylene Chloride	4.54	84	14924	0.976 ug/l	94
22) Diisopropyl ether	6.06	45	32623	0.801 ug/l #	1
23) Vinyl Acetate	6.06	43	75492	2.513 ug/l #	70
25) 2-Butanone	6.84	43	914340	167.266 ug/l	99
29) Tetrahydrofuran	7.21	42	2892	0.823 ug/l #	1
36) 1,1-Dichloropropene	7.83	75	5048	0.217 ug/l #	42
37) Ethyl Acetate	6.94	43	1930598	144.397 ug/l	97
38) Carbon Tetrachloride	7.66	117	125035	5.124 ug/l #	16
40) Benzene	8.04	78	15559	0.234 ug/l	99
41) Methacrylonitrile	7.21	41	22385	2.932 ug/l #	40
43) Isopropyl Acetate	8.17	43	5814	0.248 ug/l #	74
44) Trichloroethene	8.83	130	7967	0.385 ug/l	62
48) Methyl methacrylate	9.17	41	40184	3.374 ug/l #	37
49) 1,4-Dioxane	9.20	88	2179	12.935 ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	421521	33.940 ug/l #	82
52) Toluene	10.16	92	260300	6.165 ug/l	99
53) t-1,3-Dichloropropene	10.38	75	371	2.000 ug/l #	42
56) Ethyl methacrylate	10.36	69	17447	0.949 ug/l #	60
58) 2-Chloroethyl Vinyl ether	9.69	63	203	16.852 ug/l #	1
59) 2-Hexanone	10.72	43	1694773	205.082 ug/l #	23
60) Dibromochloromethane	10.63	129	91774	5.289 ug/l #	11
64) Tetrachloroethene	10.63	164	114032	4.360 ug/l	99
67) Ethyl Benzene	11.51	91	1060519	10.772 ug/l	99
68) m/p-Xylenes	11.62	106	2171273	56.425 ug/l	99
69) o-Xylene	11.95	106	1463063	39.002 ug/l	99
70) Styrene	11.95	104	72244	1.228 ug/l #	1
71) Bromoform	12.14	173	1550	2.440 ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

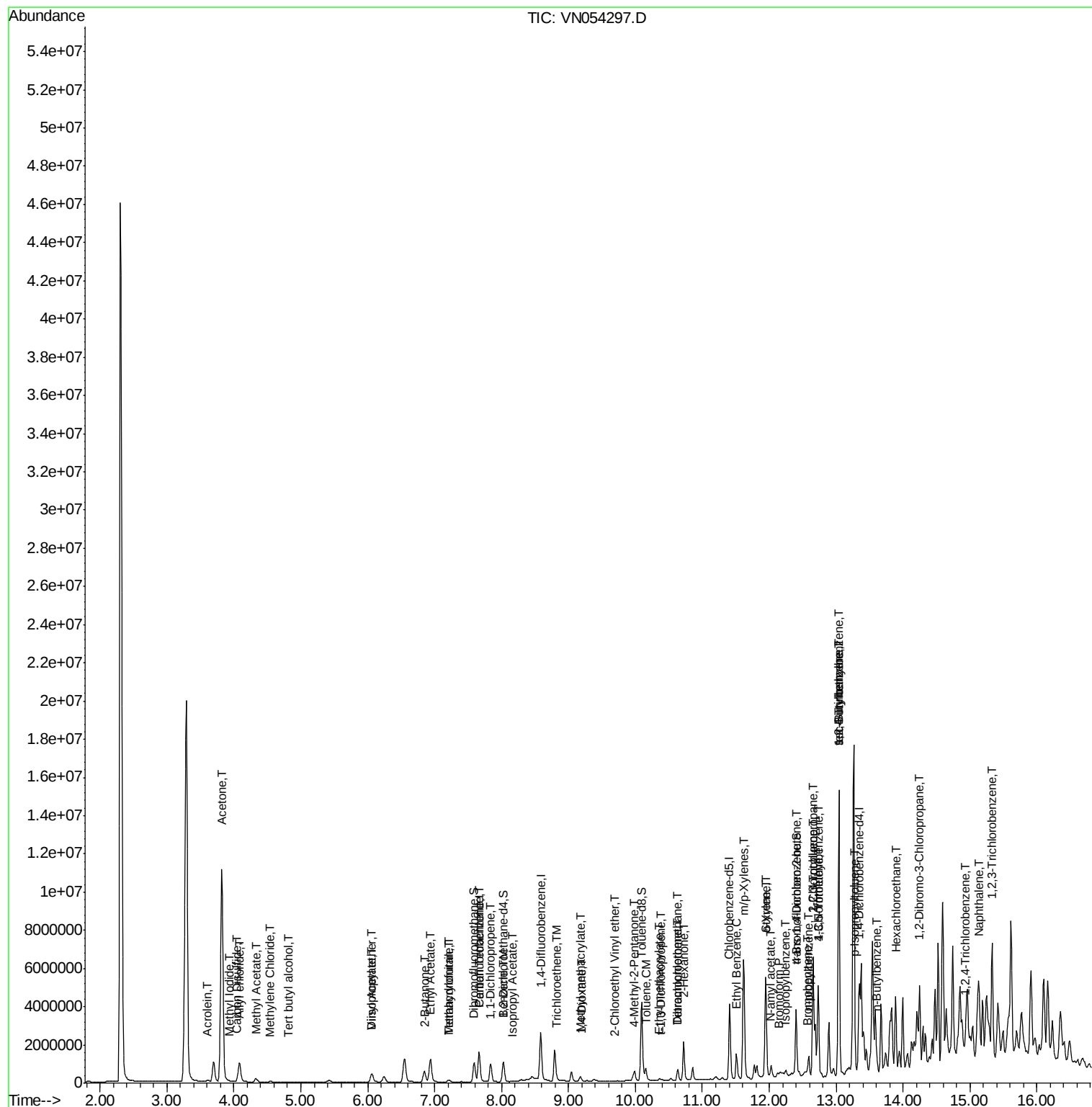
73) Isopropylbenzene	12.25	105	185145	1.792	ug/l	98
74) N-amyl acetate	12.03	43	339372	14.795	ug/l #	45
76) 1,2,3-Trichloropropane	12.65	75	30509	1.606	ug/l #	100
77) Bromobenzene	12.56	156	261404	9.559	ug/l #	1
78) n-propylbenzene	12.59	91	820254	7.315	ug/l	100
79) 2-Chlorotoluene	12.65	91	473468	7.023	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	2077928	24.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	588565	105.926	ug/l #	11
82) 4-Chlorotoluene	12.73	91	209356	3.110	ug/l #	40
83) tert-Butylbenzene	13.04	119	1131668	14.304	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	8936941	105.979	ug/l	100
85) sec-Butylbenzene	13.04	105	8936941	87.101	ug/l #	55
86) p-Isopropyltoluene	13.29	119	156758	1.741	ug/l	99
89) n-Butylbenzene	13.62	91	302301	4.420	ug/l #	68
90) Hexachloroethane	13.89	117	179843	12.066	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15943	4.680	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.92	180	928	2.549	ug/l #	12
95) Naphthalene	15.13	128	2855257	50.373	ug/l	98
96) 1,2,3-Trichlorobenzene	15.34	180	15384	0.643	ug/l #	1

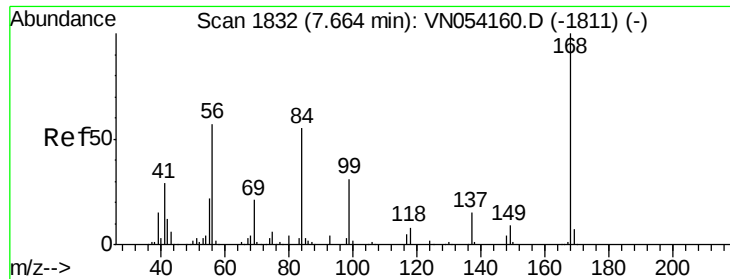
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

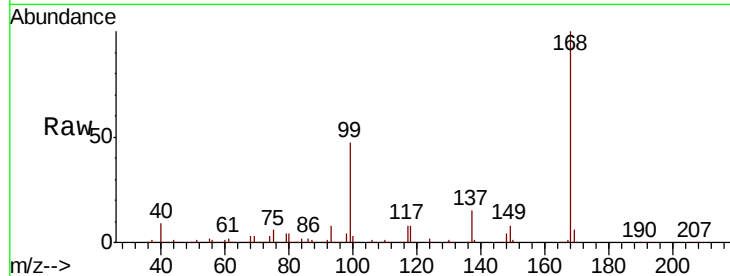
30300

Tgt Ion:168 Resp: 1531660

Ion Ratio Lower Upper

168 100

99 47.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

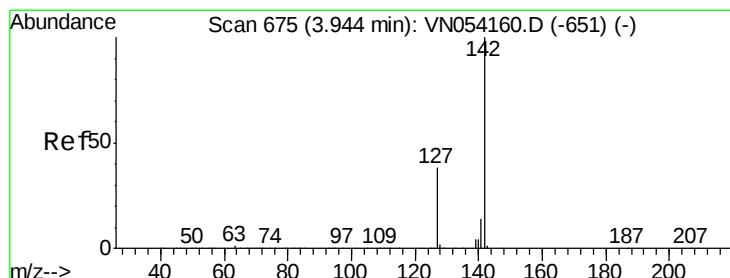
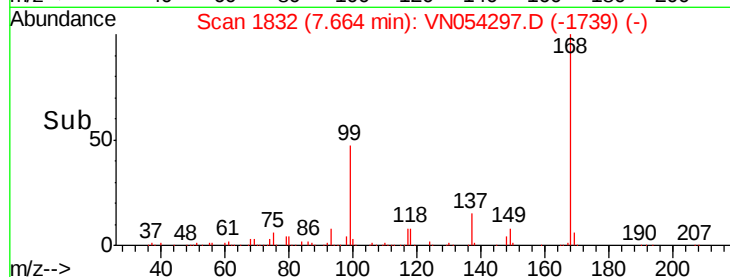
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.514 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

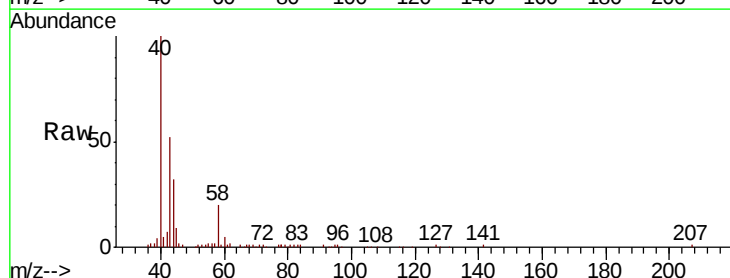
Tgt Ion:142 Resp: 399

Ion Ratio Lower Upper

142 100

127 58.6 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

3.94

400

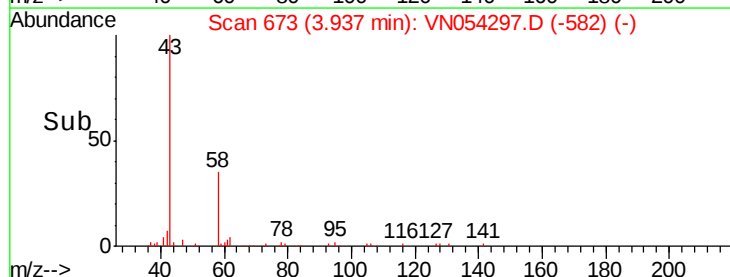
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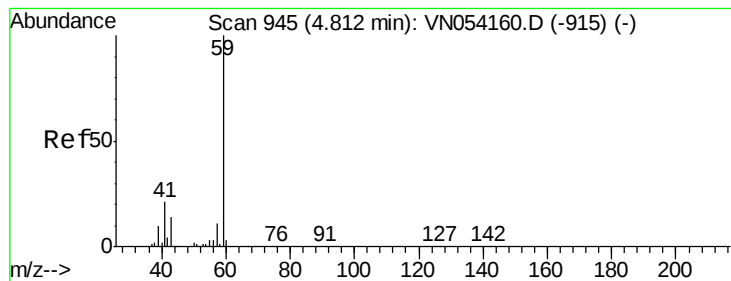
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 7.862 ug/l

RT: 4.81 min Scan# 945

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

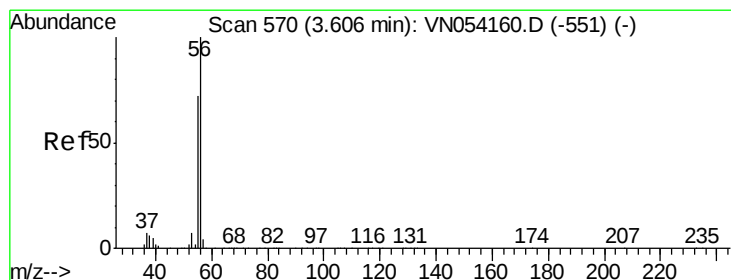
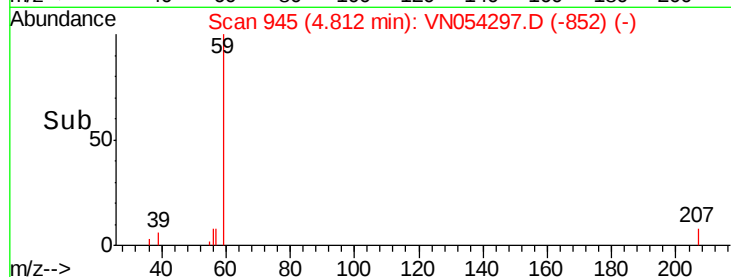
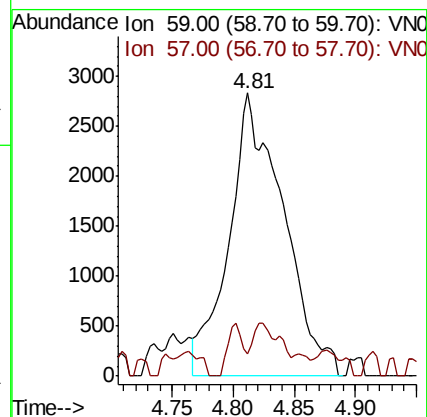
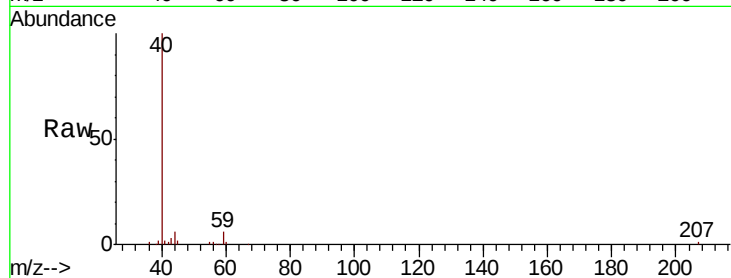
30300

Tgt Ion: 59 Resp: 8767

Ion Ratio Lower Upper

59 100

57 5.3 9.0 13.6#



#13

Acrolein

Concen: 69.512 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054297.D

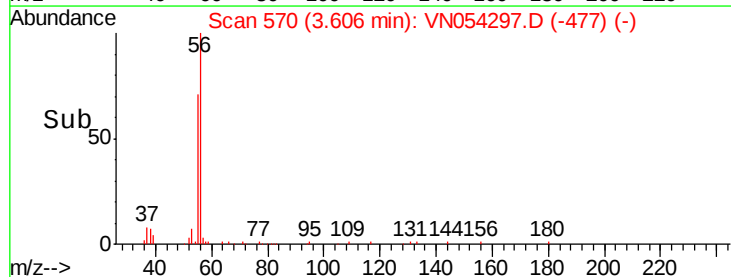
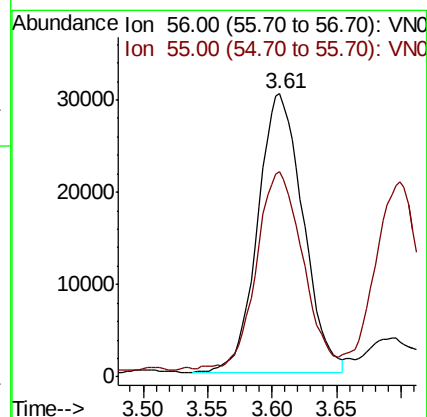
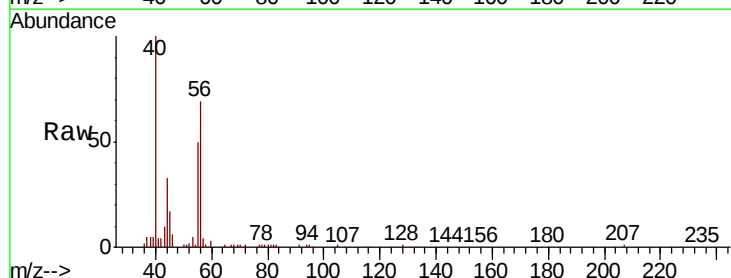
Acq: 15 Mar 2019 8:12

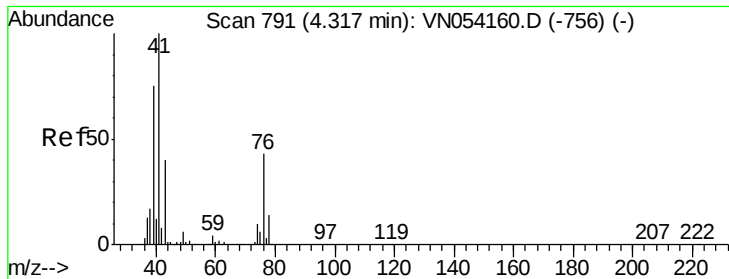
Tgt Ion: 56 Resp: 73452

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1

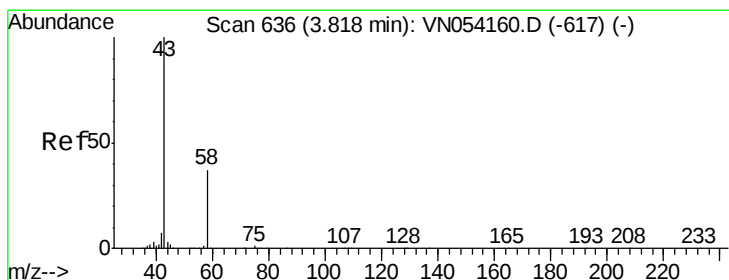
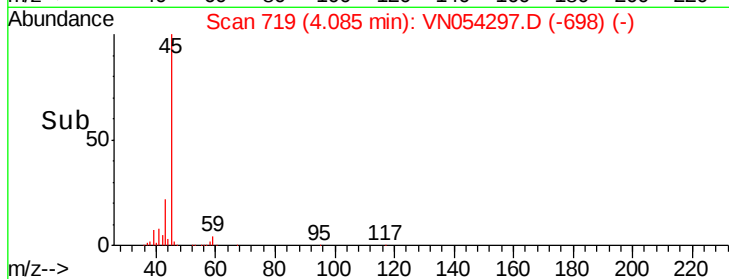
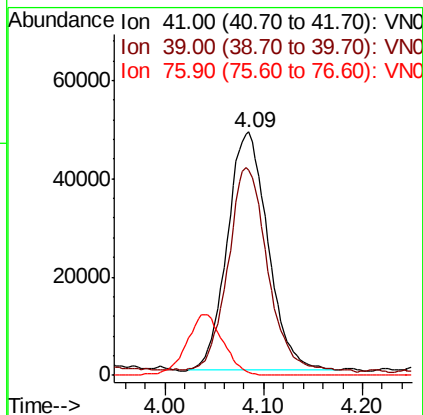
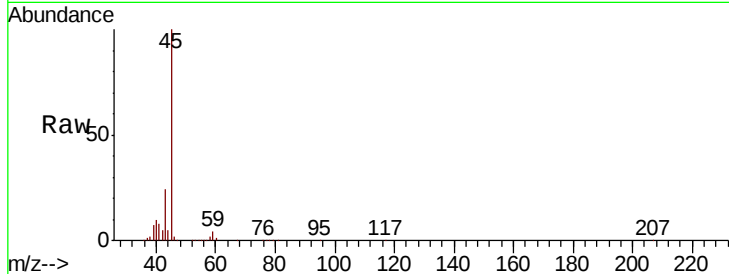




#14
Allyl chloride
Concen: 6.786 ug/l
RT: 4.09 min Scan# 719
Delta R.T. -0.23 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

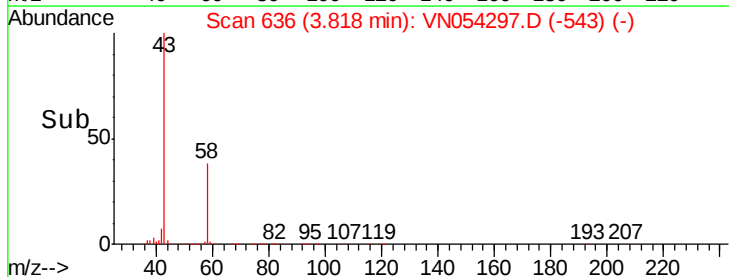
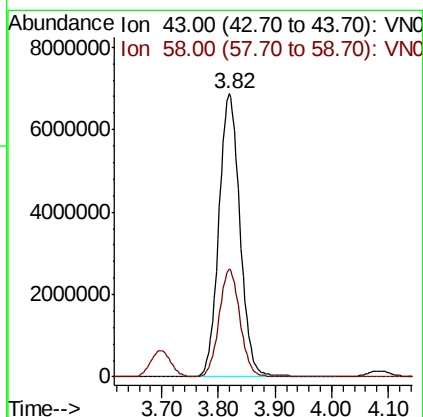
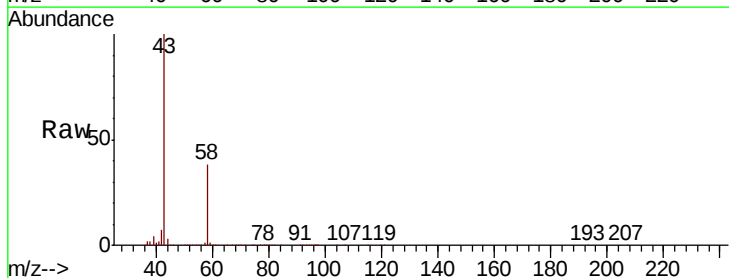
Instrument :
MSVOA_N
ClientSampleId :
30300

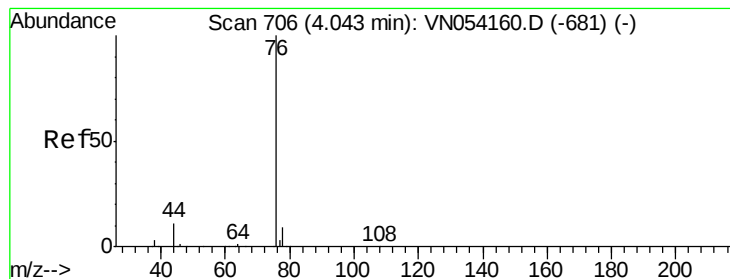
Tgt Ion: 41 Resp: 138547
Ion Ratio Lower Upper
41 100
39 84.2 58.2 87.4
76 0.0 31.7 47.5#



#16
Acetone
Concen: 3809.466 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp:17742233
Ion Ratio Lower Upper
43 100
58 38.1 29.9 44.9





#17

Carbon Disulfide

Concen: 0.794 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

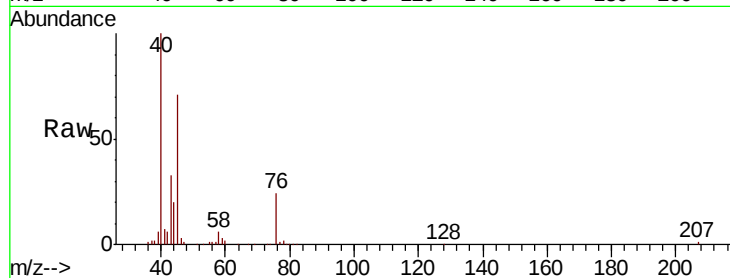
30300

Tgt Ion: 76 Resp: 31655

Ion Ratio Lower Upper

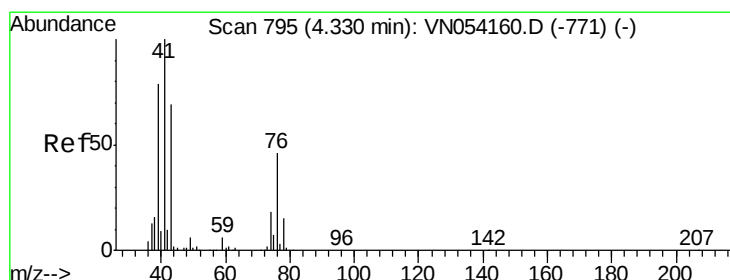
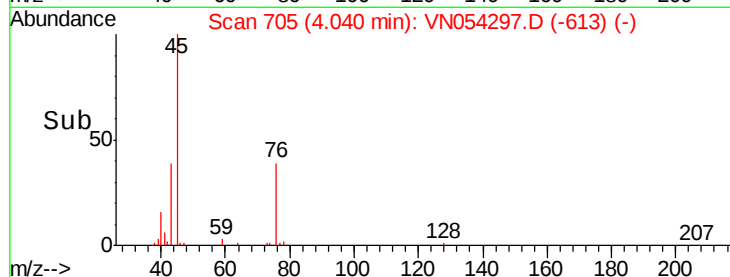
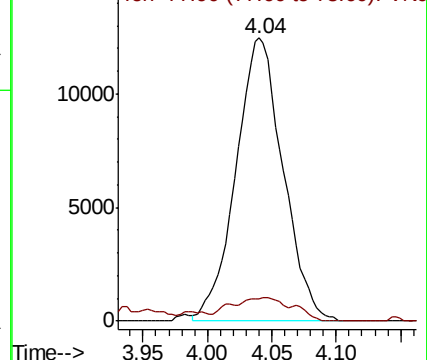
76 100

78 7.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 31.625 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054297.D

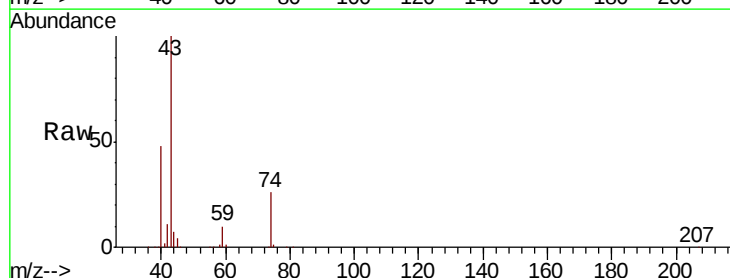
Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 297990

Ion Ratio Lower Upper

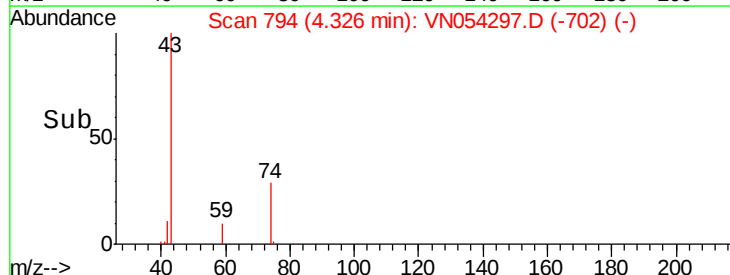
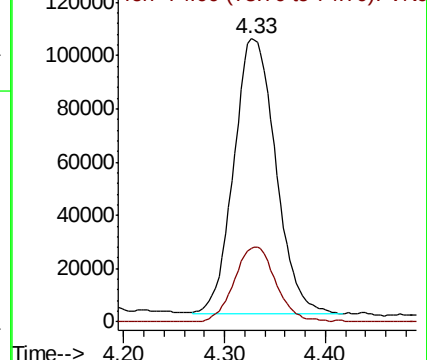
43 100

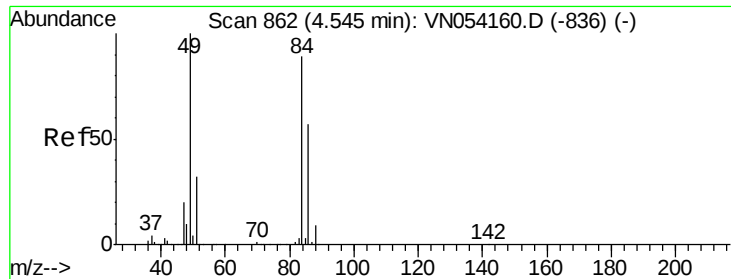
74 27.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 0.976 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

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ClientSampleId :

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Tgt Ion: 84 Resp: 14924

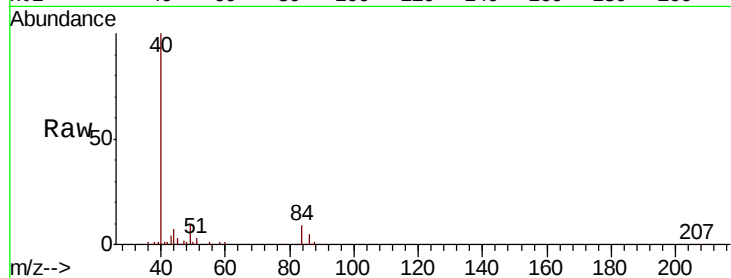
Ion Ratio Lower Upper

84 100

49 106.0 89.7 134.5

51 33.3 28.2 42.4

86 56.6 50.8 76.2

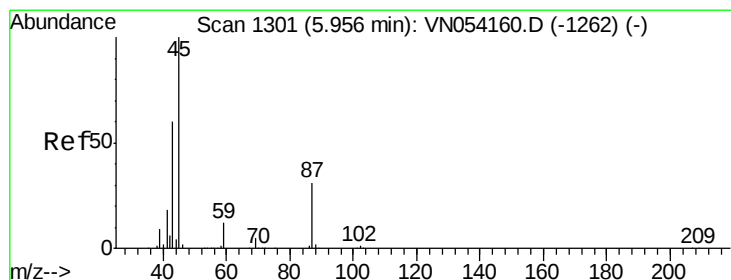
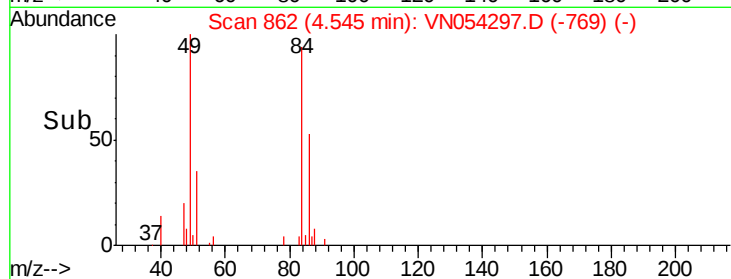
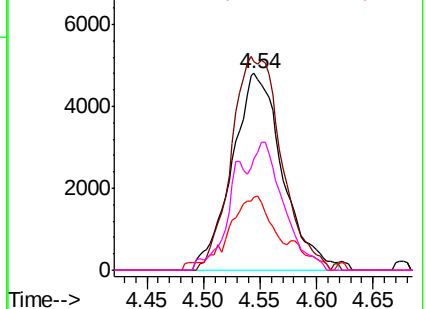


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

Diisopropyl ether

Concen: 0.801 ug/l

RT: 6.06 min Scan# 1334

Delta R.T. 0.11 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Tgt Ion: 45 Resp: 32623

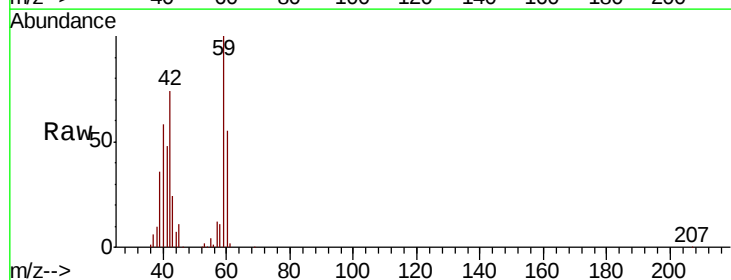
Ion Ratio Lower Upper

45 100

43 221.7 48.2 72.2#

87 0.0 24.9 37.3#

59 938.1 9.5 14.3#

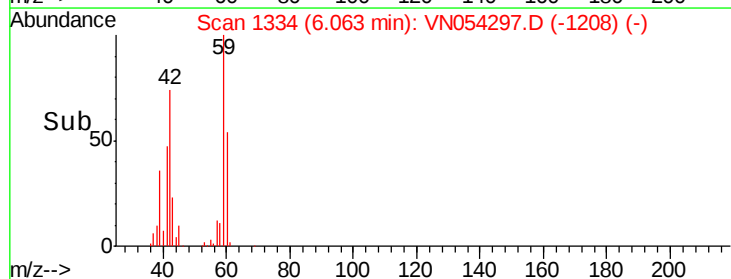
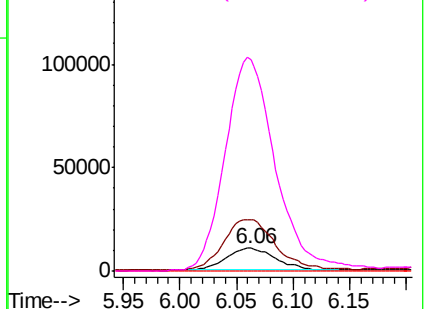


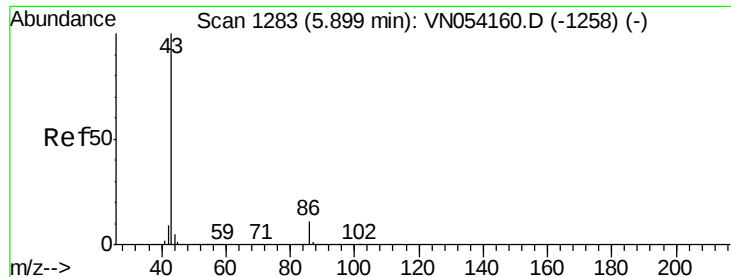
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

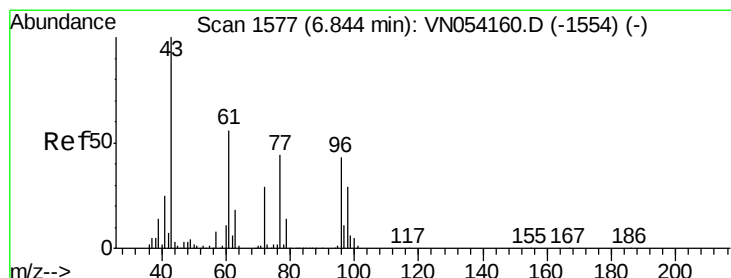
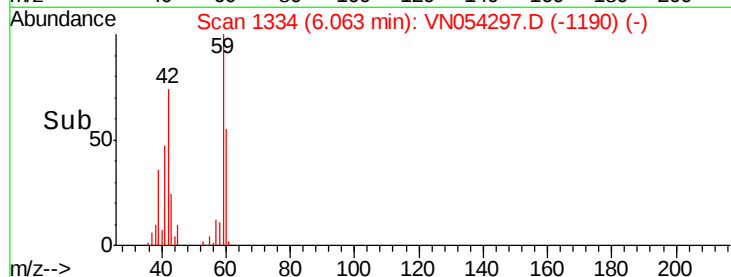
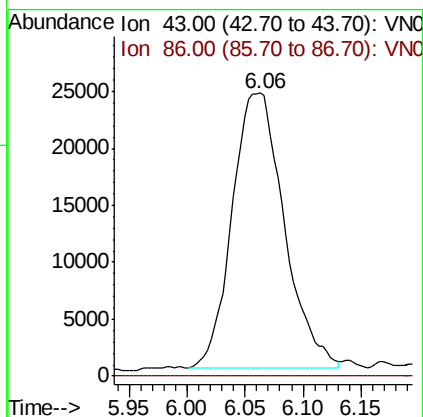
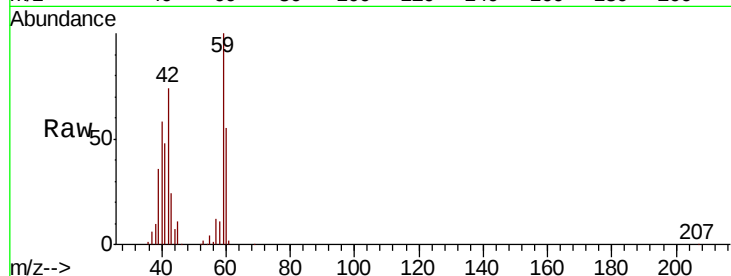




#23
 Vinyl Acetate
 Concen: 2.513 ug/l
 RT: 6.06 min Scan# 1334
 Delta R.T. 0.16 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

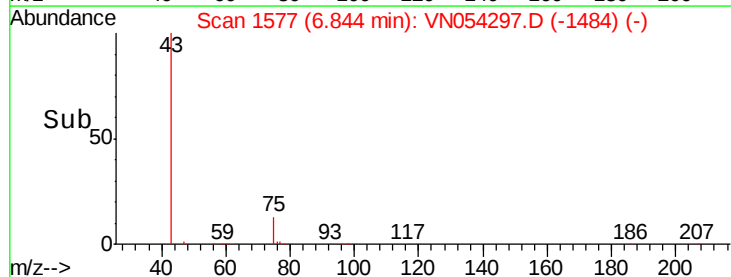
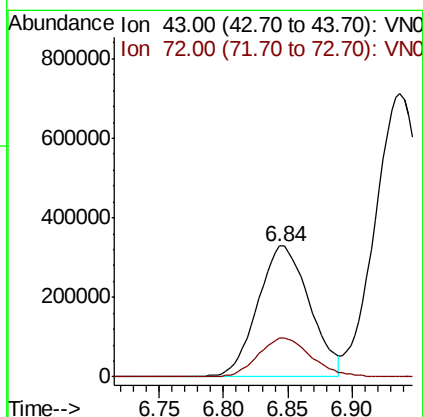
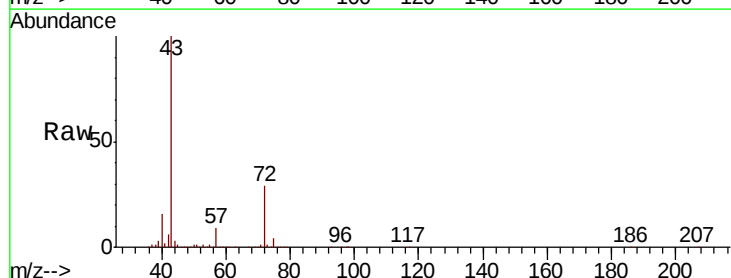
Instrument :
 MSVOA_N
 ClientSampled :
 30300

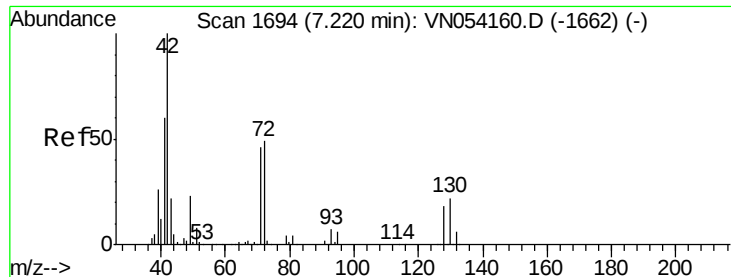
Tgt Ion: 43 Resp: 75492
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 167.266 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 914340
 Ion Ratio Lower Upper
 43 100
 72 29.3 23.0 34.6

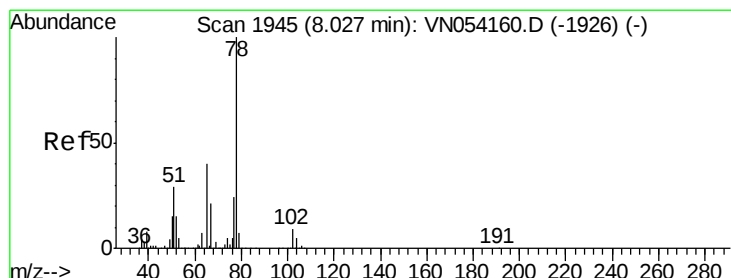
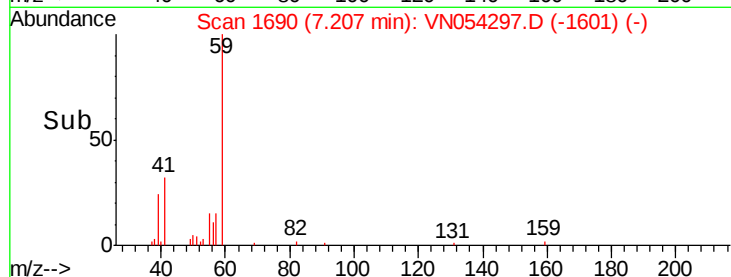
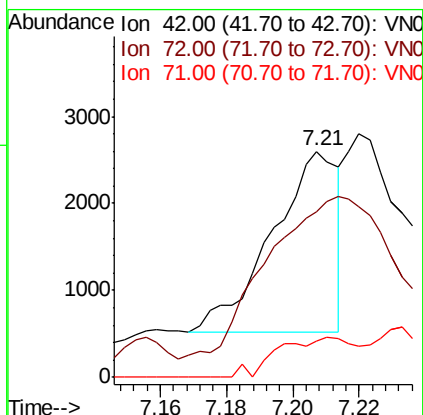
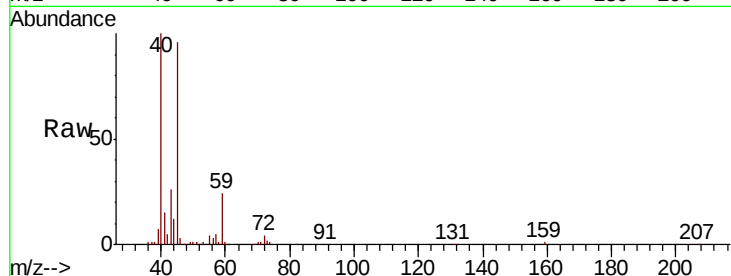




#29
Tetrahydrofuran
Concen: 0.823 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

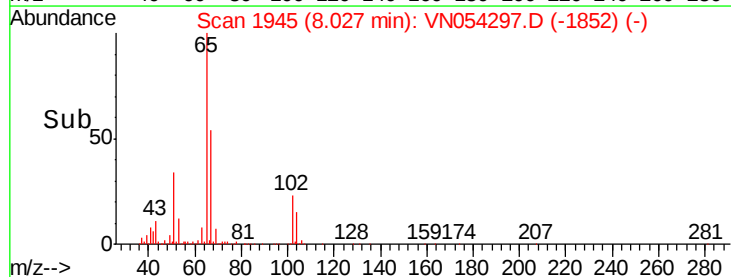
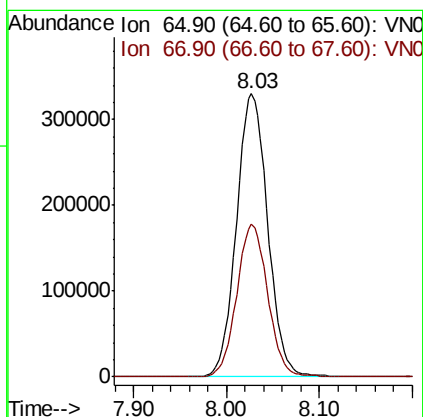
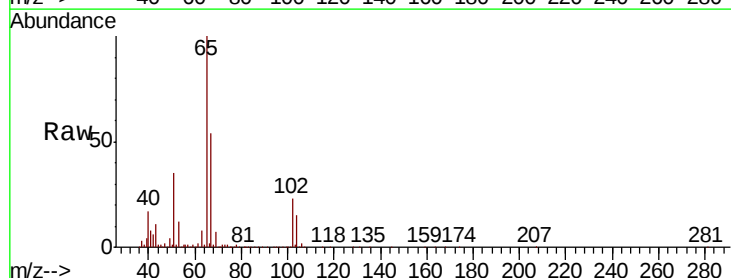
Instrument :
MSVOA_N
ClientSampled :
30300

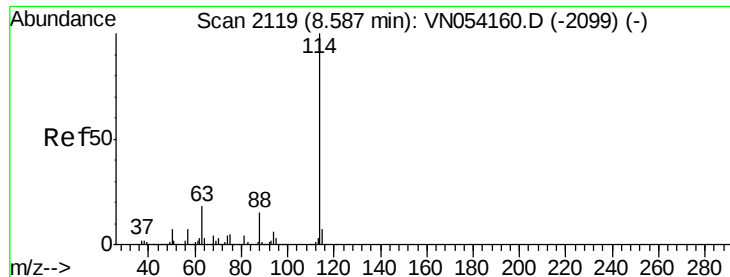
Tgt Ion: 42 Resp: 2892
Ion Ratio Lower Upper
42 100
72 190.8 37.8 56.6#
71 25.8 36.2 54.2#



#33
1,2-Dichloroethane-d4
Concen: 47.401 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion: 65 Resp: 771030
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.6

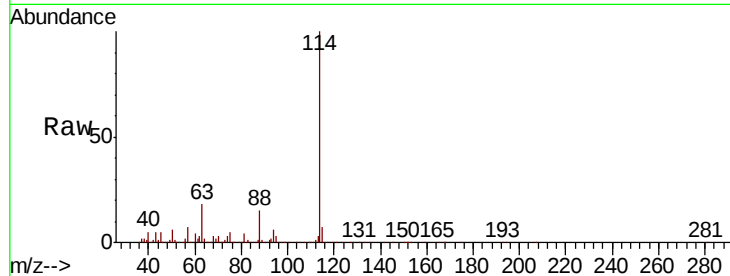




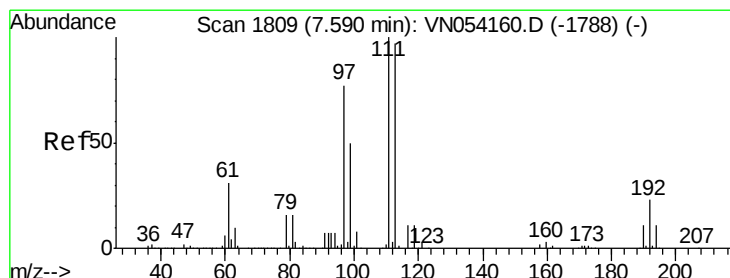
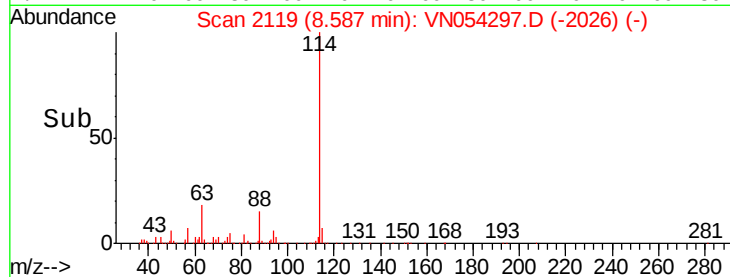
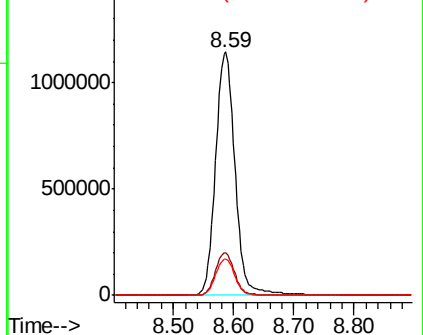
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Instrument :
 MSVOA_N
 ClientSampleId :
 30300

Tgt Ion:114 Resp: 2526718
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.9 0.0 30.2

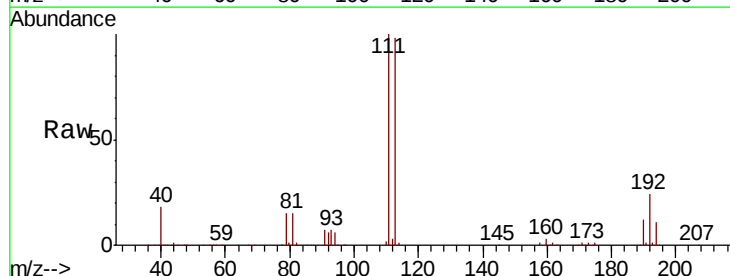


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

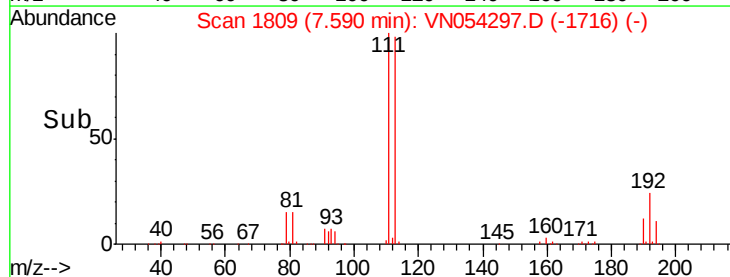
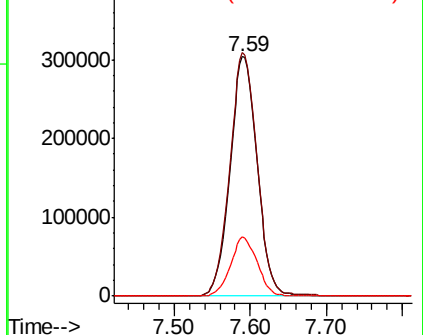


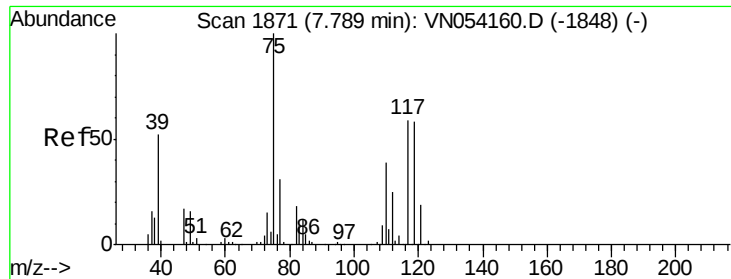
#35
 Dibromofluoromethane
 Concen: 46.282 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion:113 Resp: 754231
 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

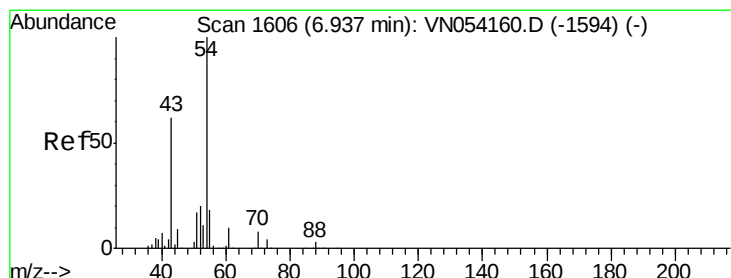
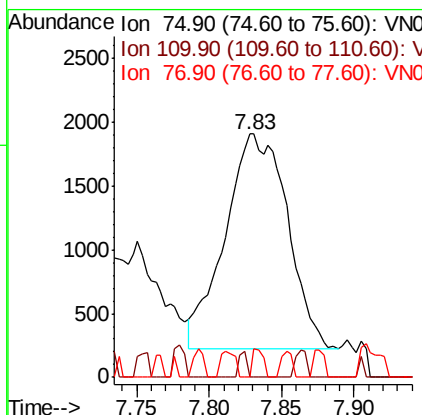
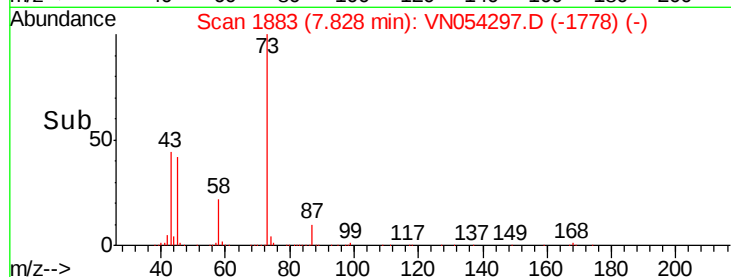
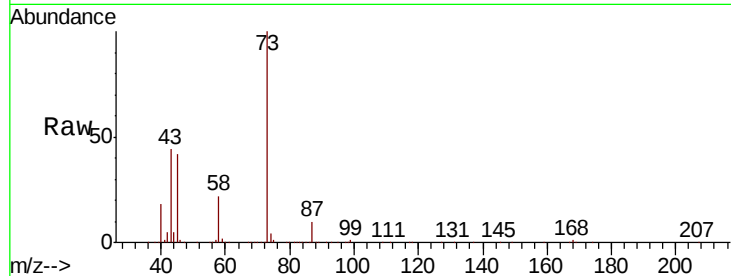




#36
 1,1-Dichloropropene
 Concen: 0.217 ug/l
 RT: 7.83 min Scan# 1883
 Delta R.T. 0.04 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

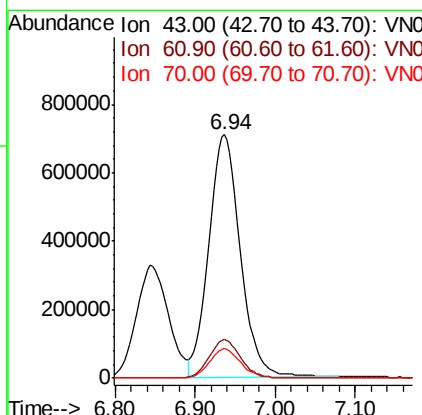
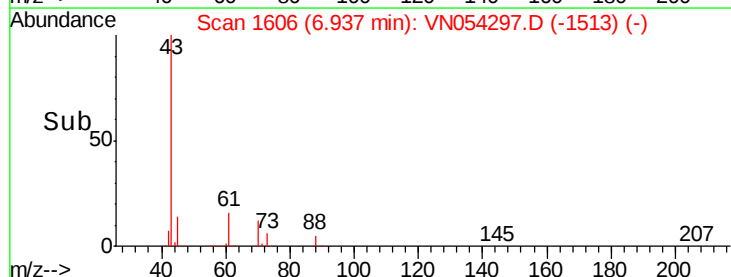
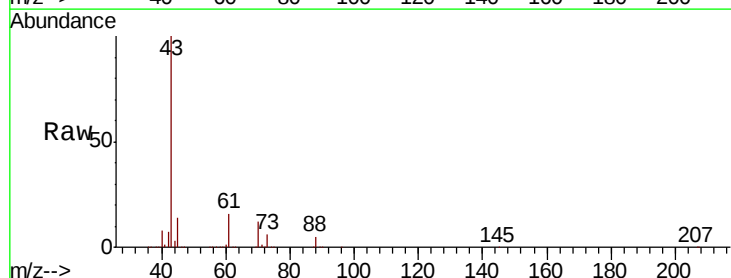
Instrument :
 MSVOA_N
 ClientSampleId :
 30300

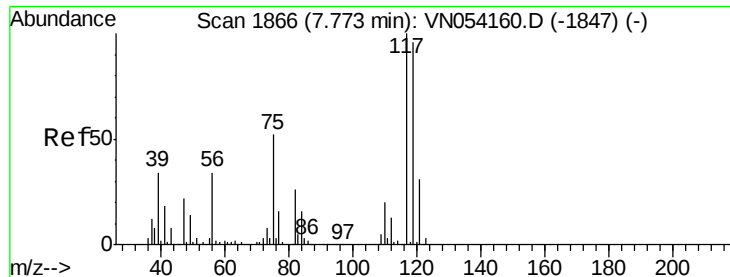
Tgt Ion: 75 Resp: 5048
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.5#
 77 2.8 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 144.397 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 1930598
 Ion Ratio Lower Upper
 43 100
 61 15.7 11.8 17.6
 70 12.1 8.4 12.6

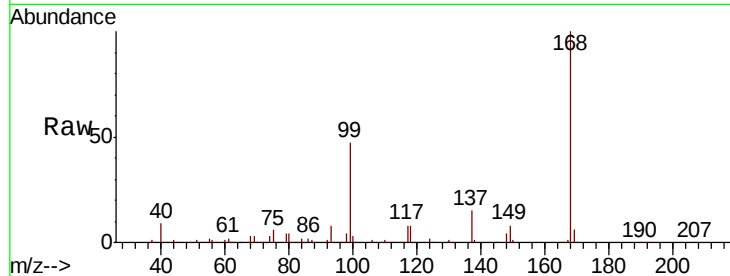




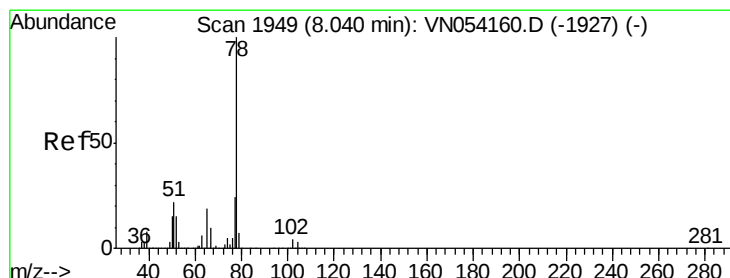
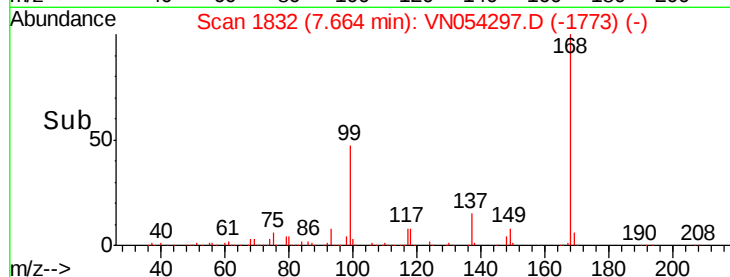
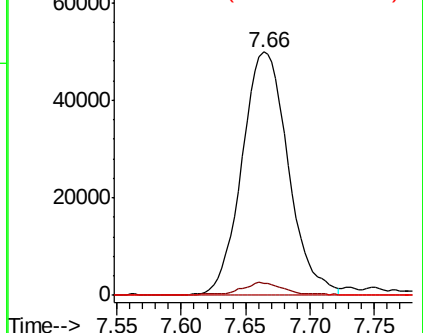
#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Instrument :
MSVOA_N
ClientSampleId :
30300

Tgt Ion:117 Resp: 125035
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 24.6 36.8#

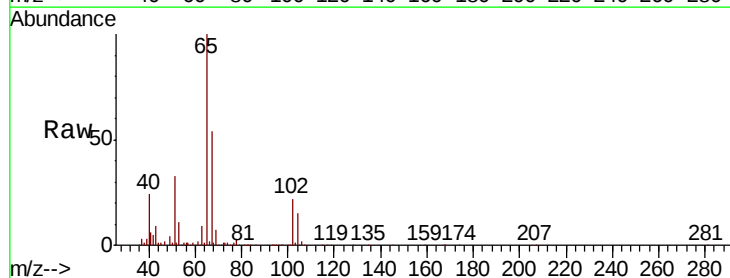


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

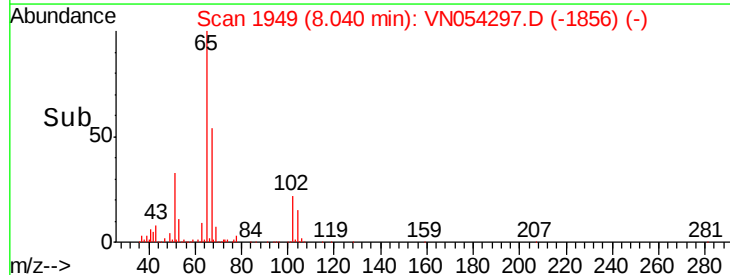
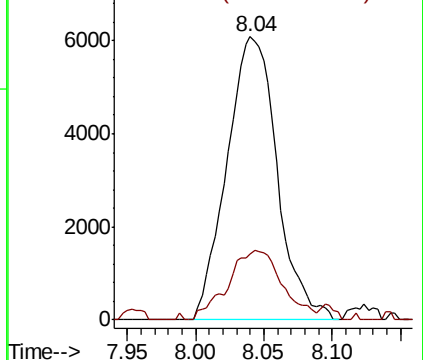


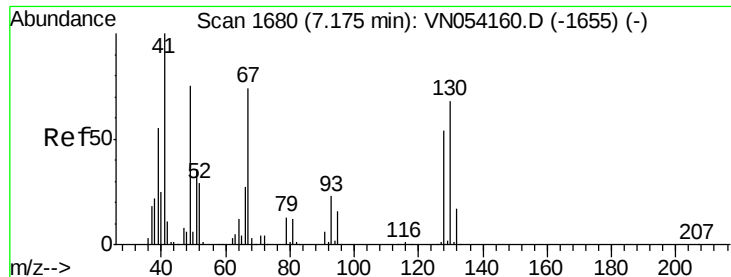
#40
Benzene
Concen: 0.234 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion: 78 Resp: 15559
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7



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

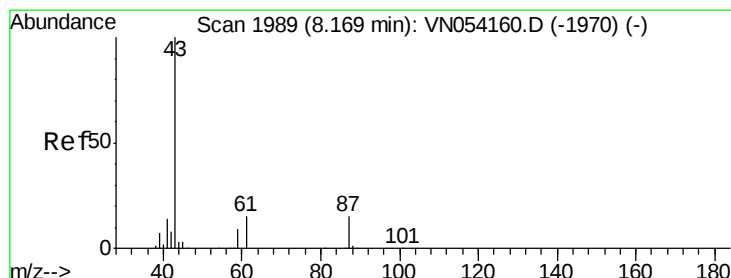
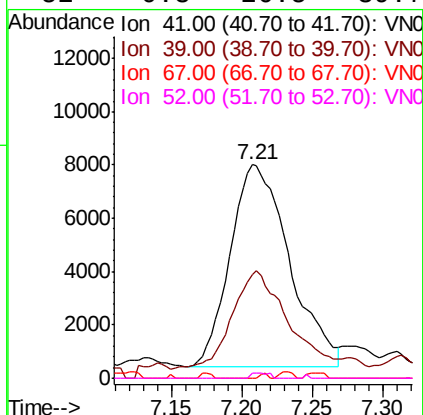
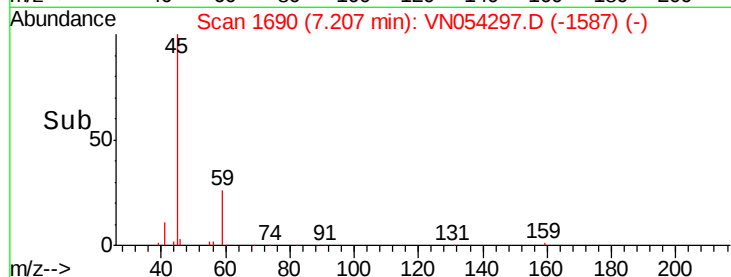
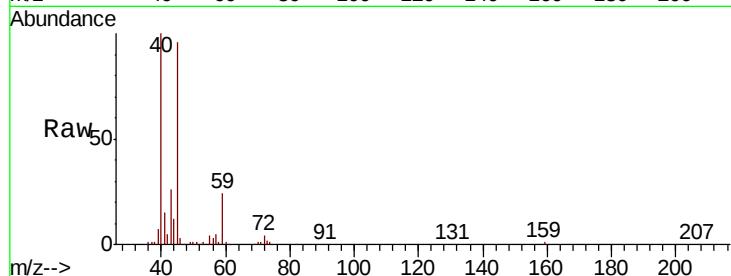




#41
Methacrylonitrile
Concen: 2.932 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

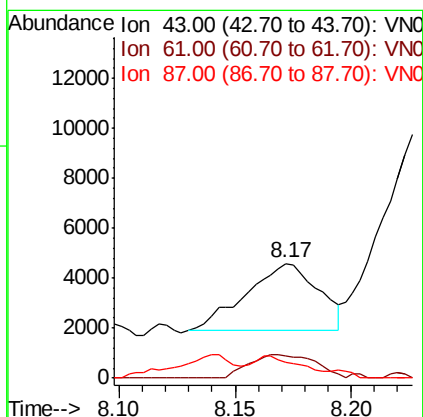
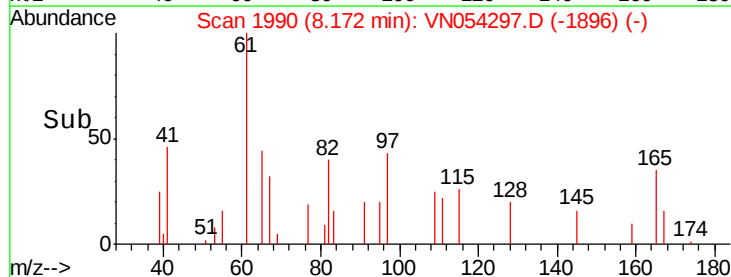
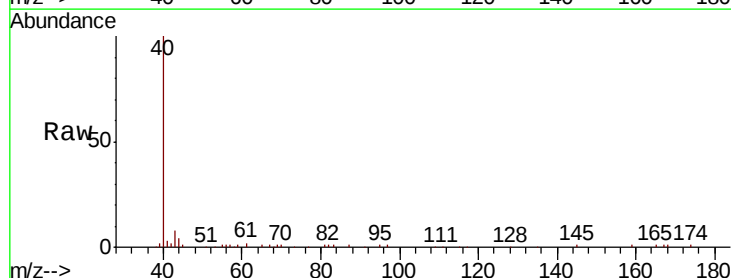
Instrument :
MSVOA_N
ClientSampled :
30300

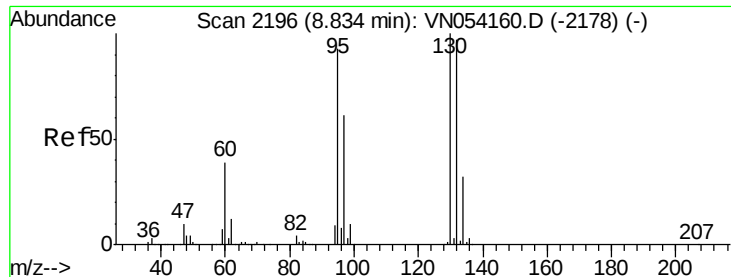
Tgt Ion: 41 Resp: 22385
Ion Ratio Lower Upper
41 100
39 47.5 46.8 70.2
67 0.3 67.0 100.4#
52 0.8 26.5 39.7#



#43
Isopropyl Acetate
Concen: 0.248 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 5814
Ion Ratio Lower Upper
43 100
61 32.2 15.8 23.8#
87 25.4 12.0 18.0#





#44

Trichloroethene

Concen: 0.385 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

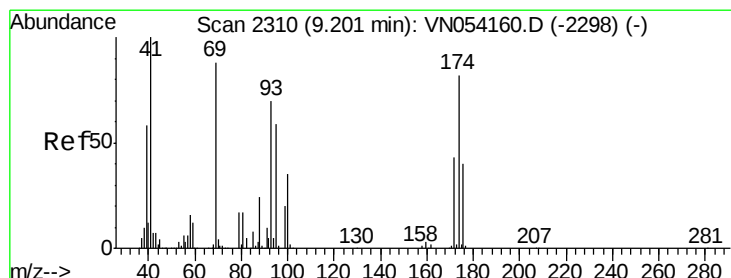
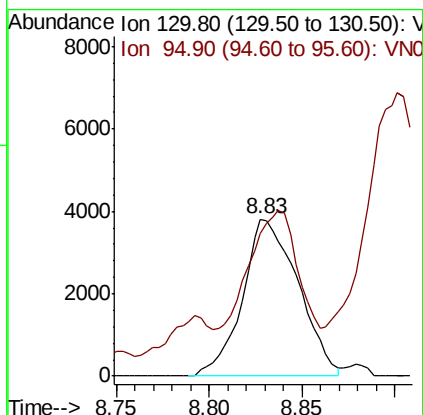
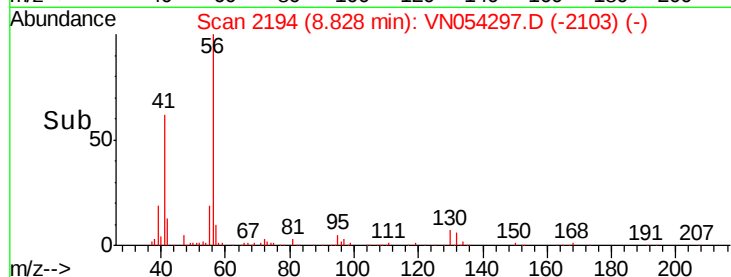
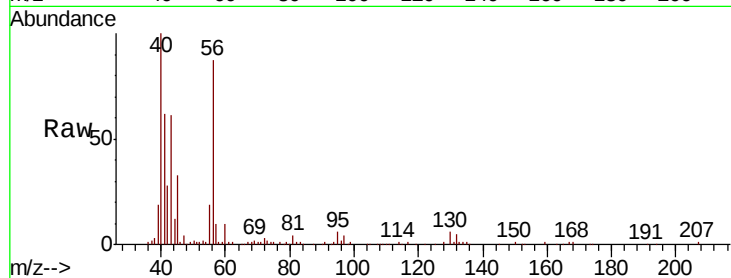
30300

Tgt Ion:130 Resp: 7967

Ion Ratio Lower Upper

130 100

95 56.4 0.0 185.2



#48

Methyl methacrylate

Concen: 3.374 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.03 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

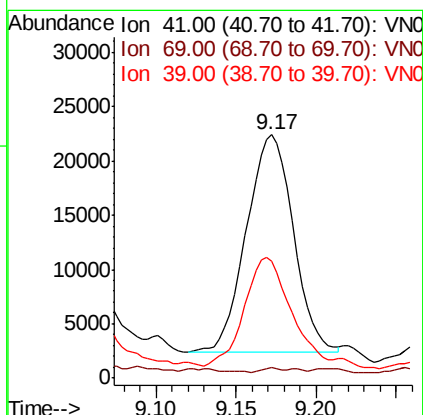
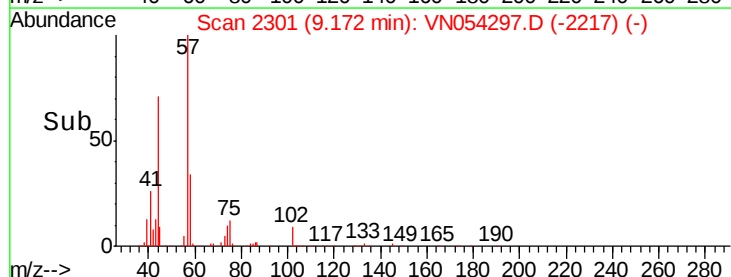
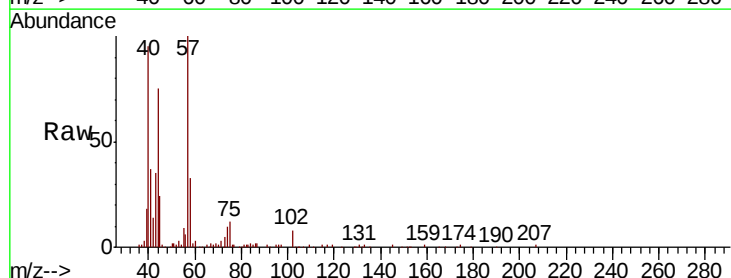
Tgt Ion: 41 Resp: 40184

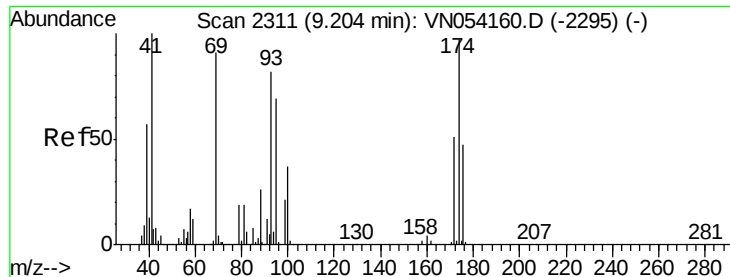
Ion Ratio Lower Upper

41 100

69 0.7 72.6 108.8#

39 49.1 47.5 71.3





#49

1,4-Dioxane

Concen: 12.935 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

30300

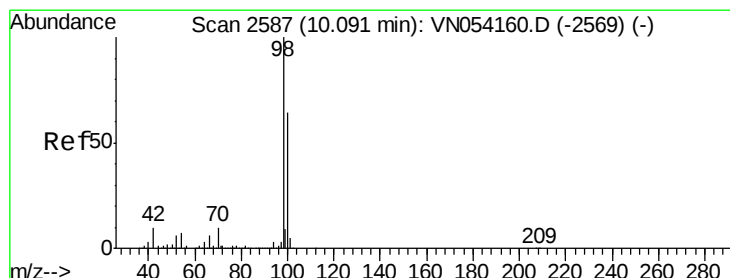
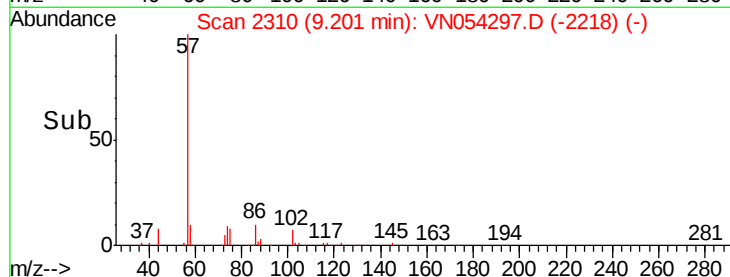
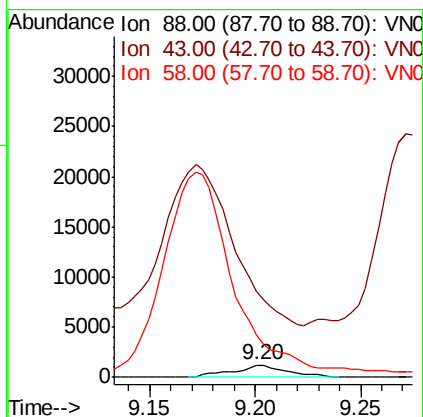
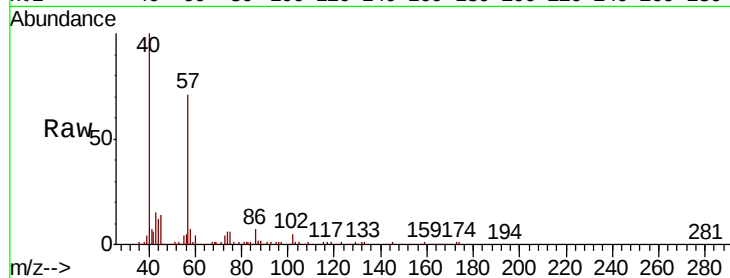
Tgt Ion: 88 Resp: 2179

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

58 0.0 50.8 76.2#



#50

Toluene-d8

Concen: 52.668 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054297.D

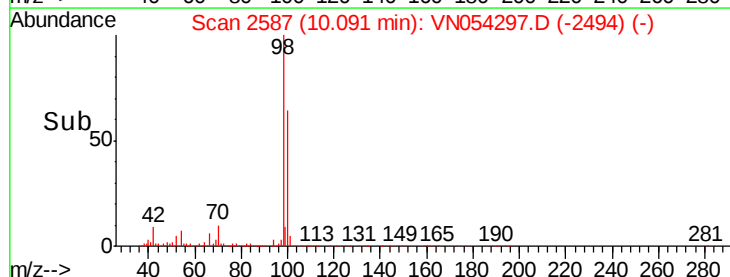
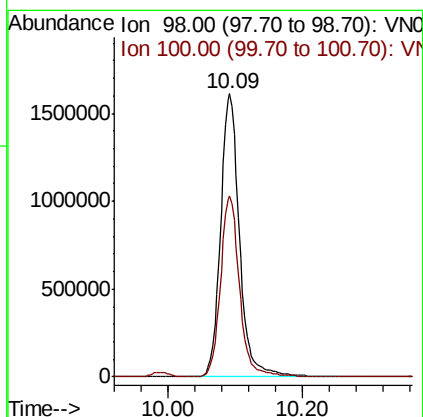
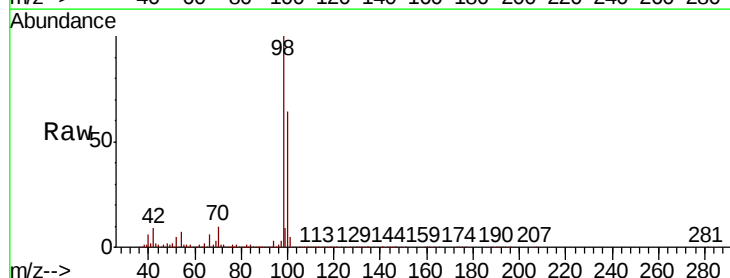
Acq: 15 Mar 2019 8:12

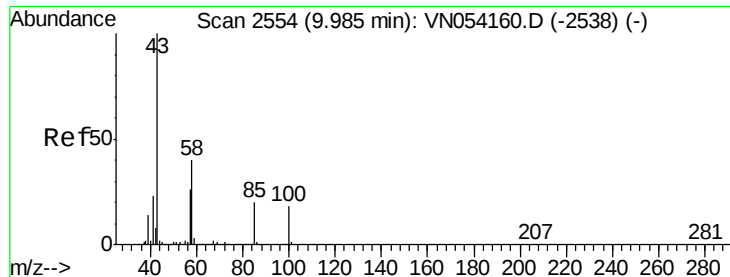
Tgt Ion: 98 Resp: 3169789

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8

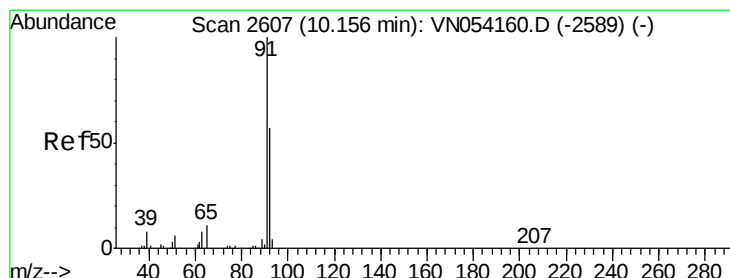
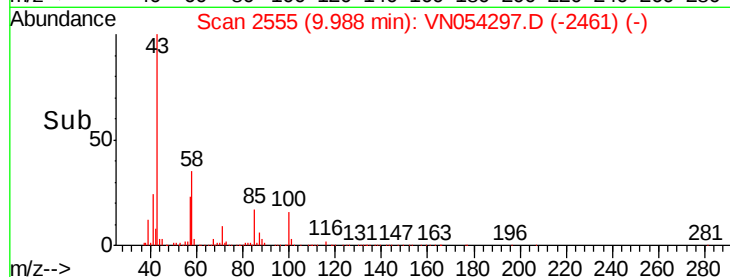
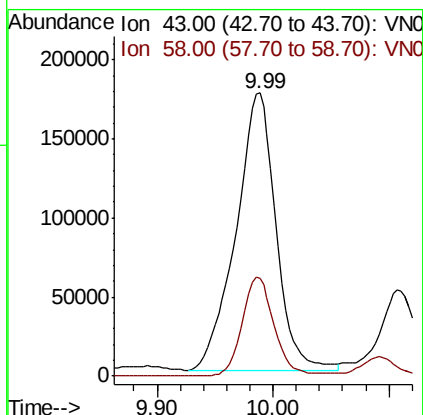
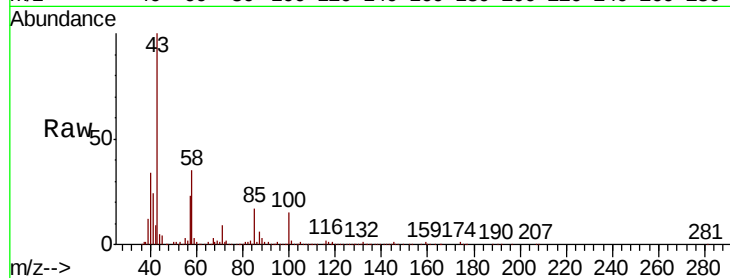




#51
 4-Methyl-2-Pentanone
 Concen: 33.940 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

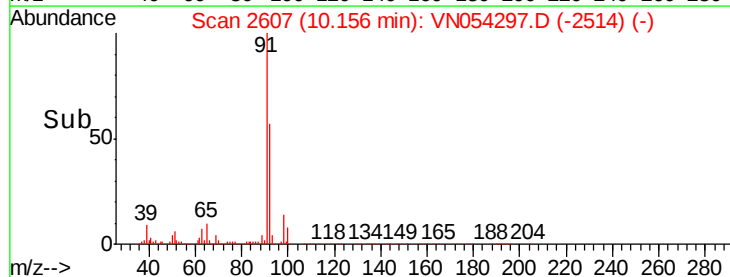
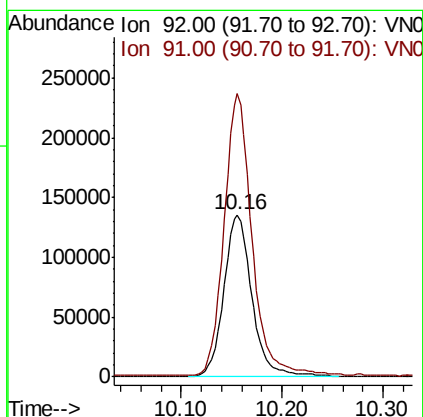
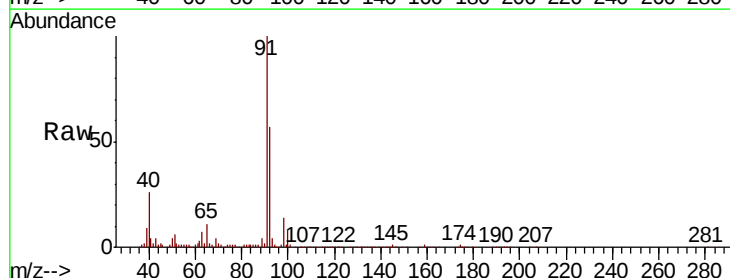
Instrument :
 MSVOA_N
 ClientSampleId :
 30300

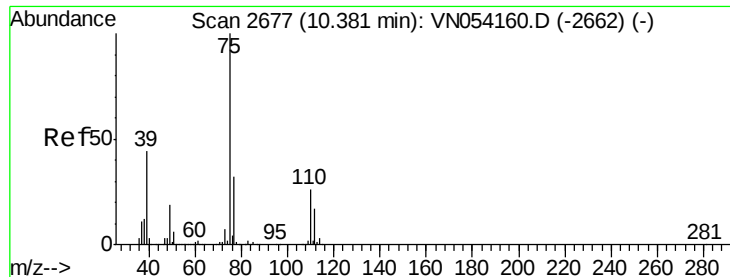
Tgt Ion: 43 Resp: 421521
 Ion Ratio Lower Upper
 43 100
 58 28.8 31.8 47.6#



#52
 Toluene
 Concen: 6.165 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion: 92 Resp: 260300
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.000 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

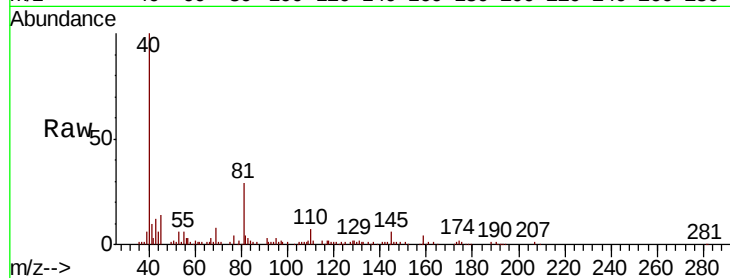
30300

Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

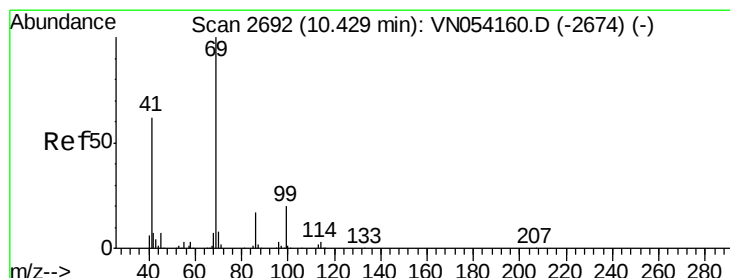
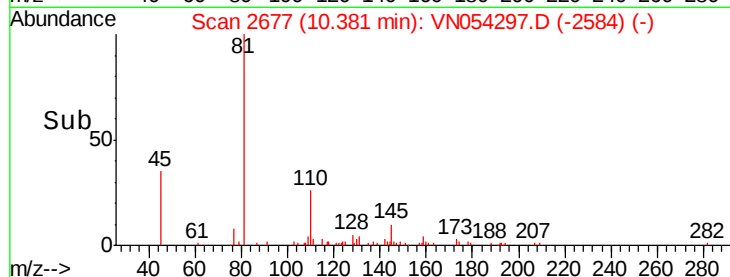
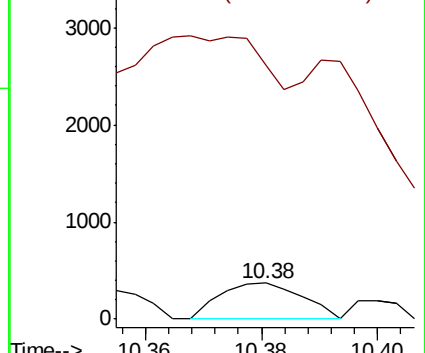
75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 0.949 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. -0.07 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

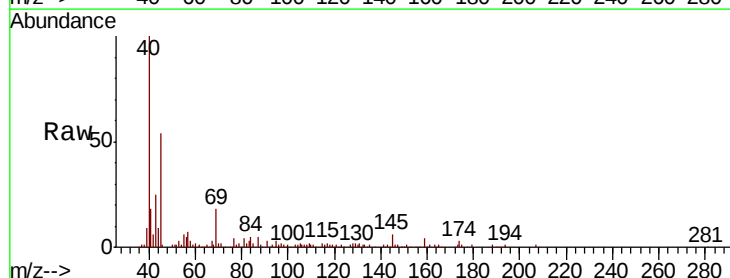
Tgt Ion: 69 Resp: 17447

Ion Ratio Lower Upper

69 100

41 105.6 49.4 74.2#

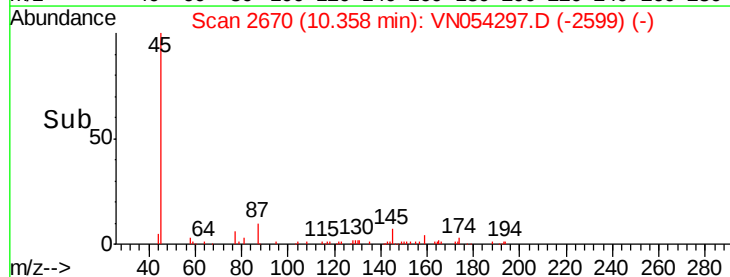
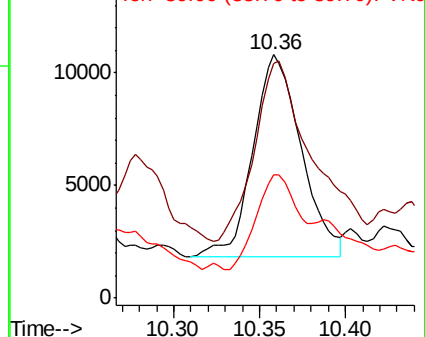
39 42.1 28.3 42.5

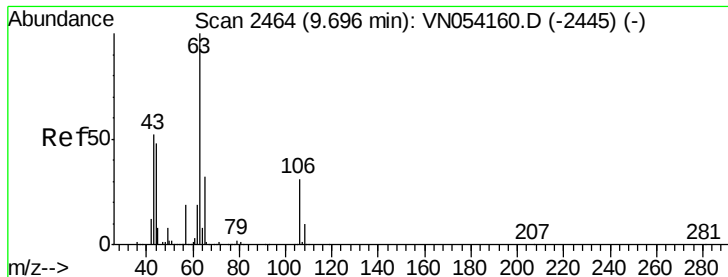


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

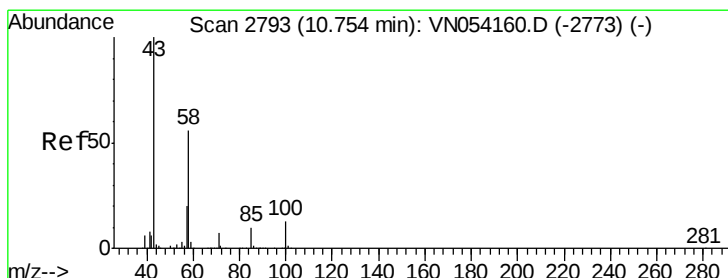
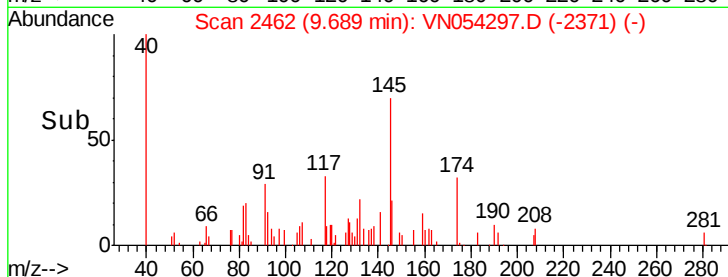
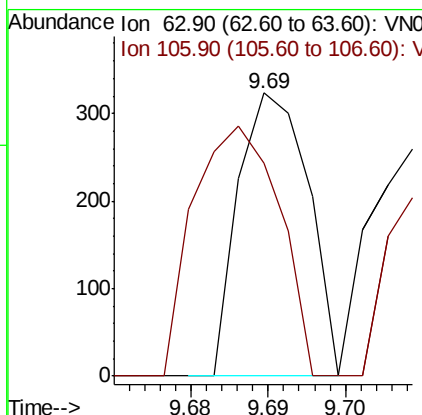
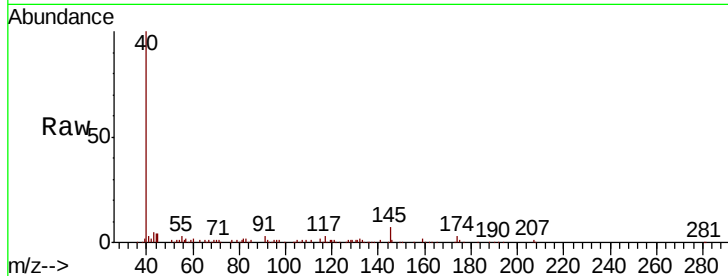




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.852 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

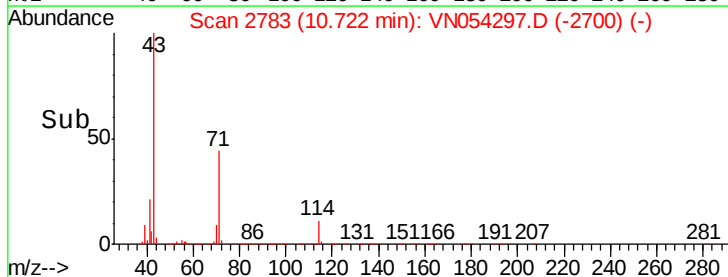
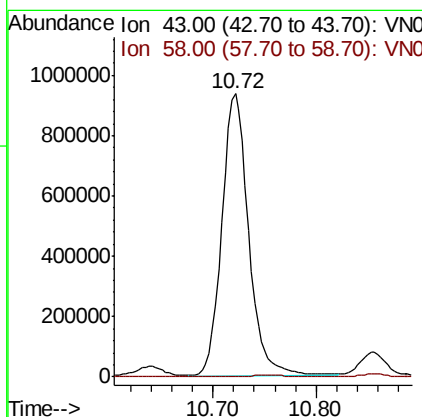
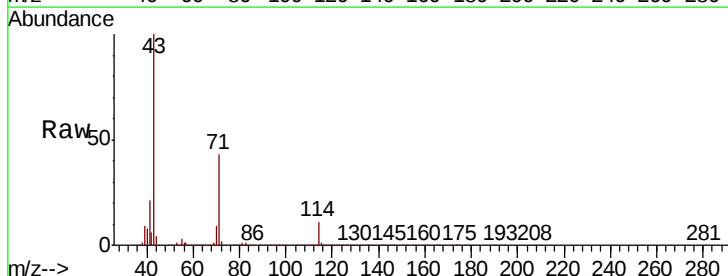
Instrument :
 MSVOA_N
 ClientSampleId :
 30300

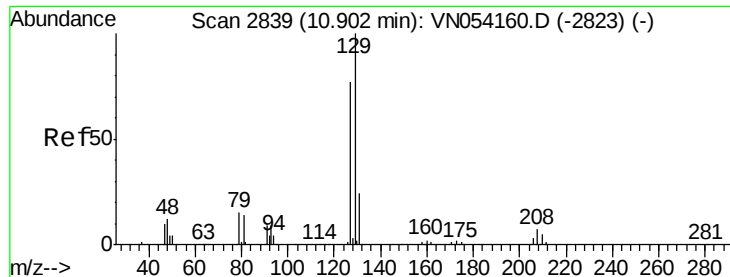
Tgt Ion: 63 Resp: 203
 Ion Ratio Lower Upper
 63 100
 106 108.4 24.4 36.6#



#59
 2-Hexanone
 Concen: 205.082 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. -0.03 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 1694773
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 83.9#





#60

Dibromochloromethane

Concen: 5.289 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

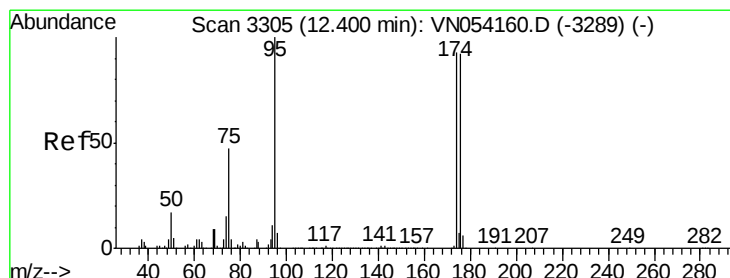
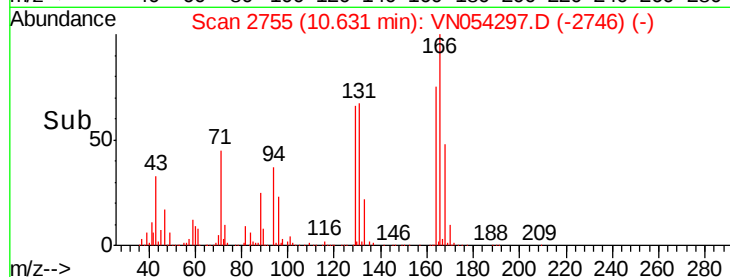
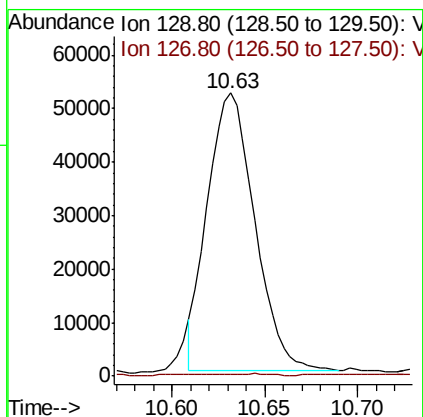
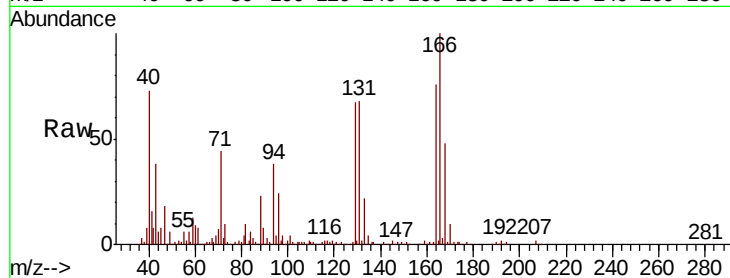
30300

Tgt Ion:129 Resp: 91774

Ion Ratio Lower Upper

129 100

127 0.2 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 60.346 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

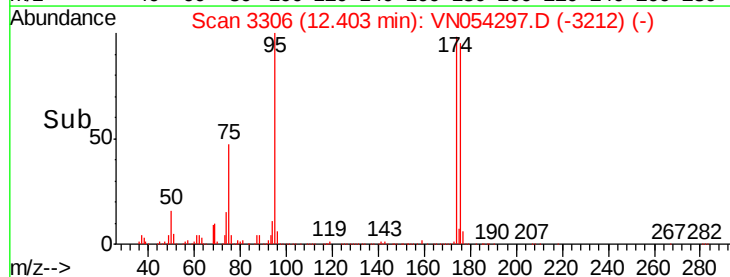
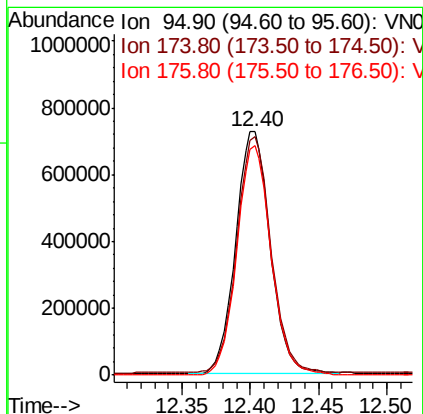
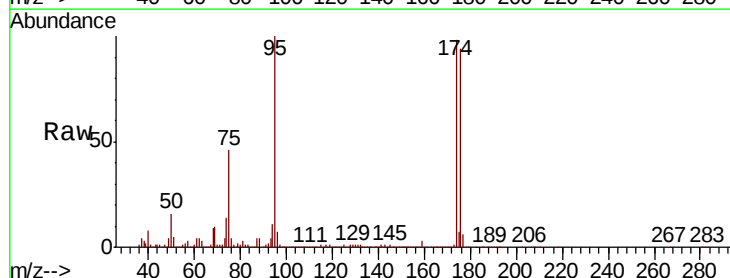
Tgt Ion: 95 Resp: 1270814

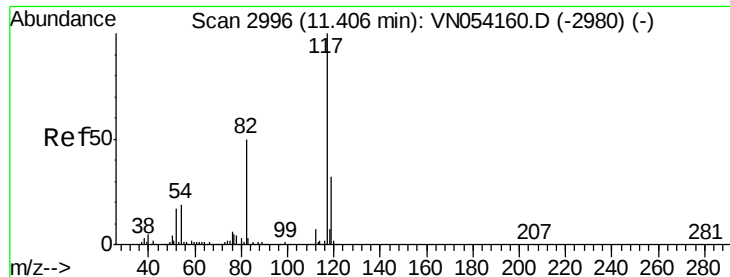
Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

176 94.4 0.0 187.4

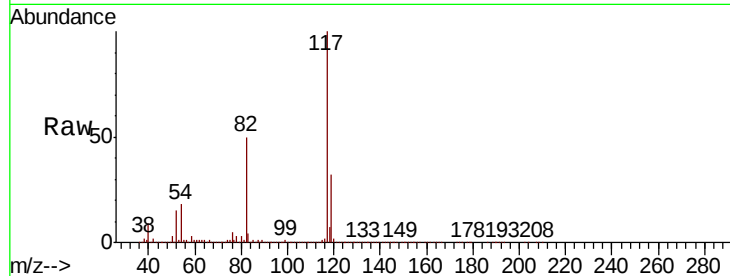




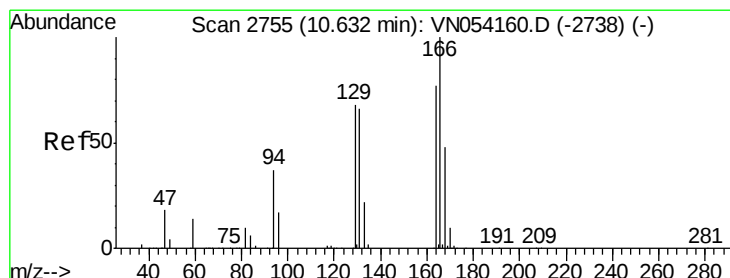
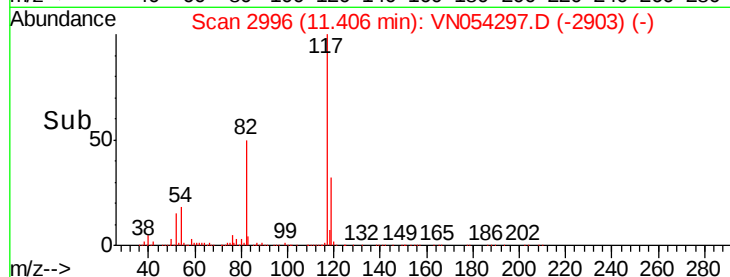
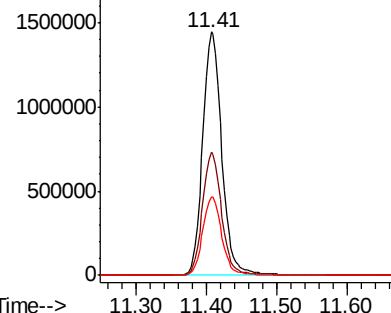
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Instrument :
MSVOA_N
ClientSampleId :
30300

Tgt Ion:117 Resp: 2704964
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 32.4 25.8 38.6

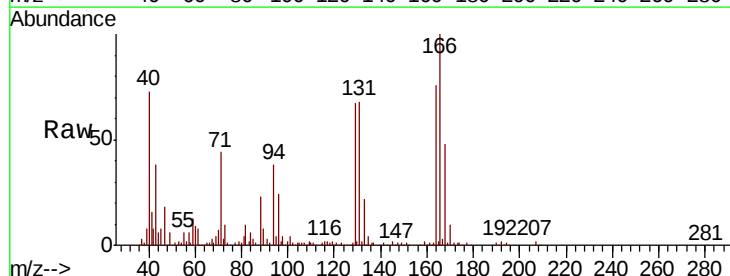


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

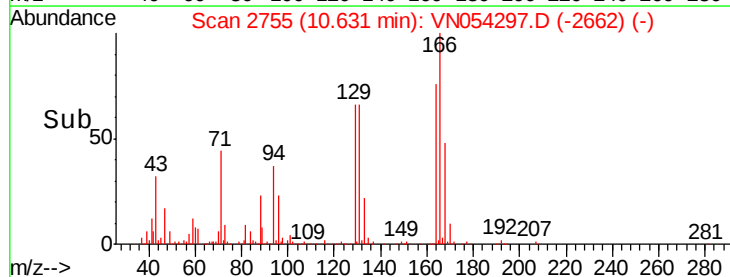
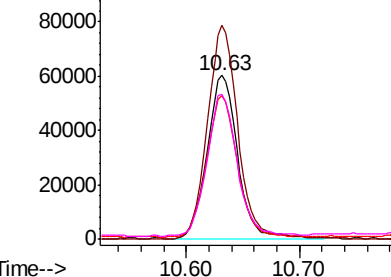


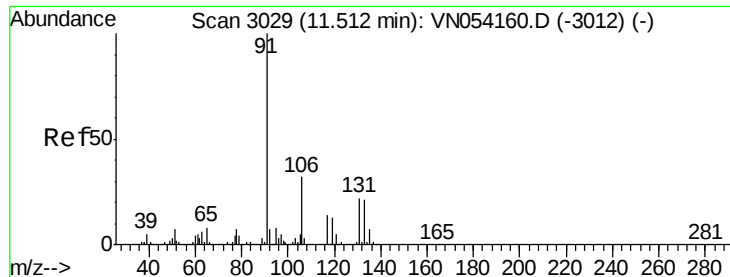
#64
Tetrachloroethene
Concen: 4.360 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion:164 Resp: 114032
Ion Ratio Lower Upper
164 100
166 130.4 103.9 155.9
129 86.4 71.1 106.7
131 86.9 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 10.772 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

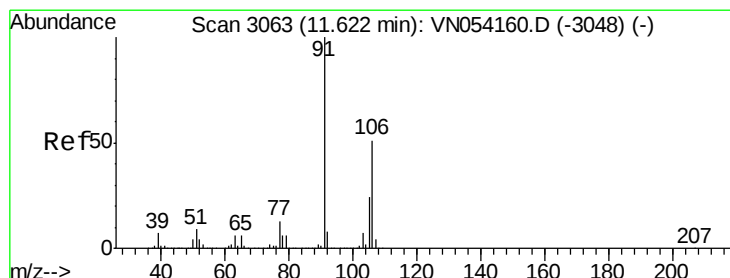
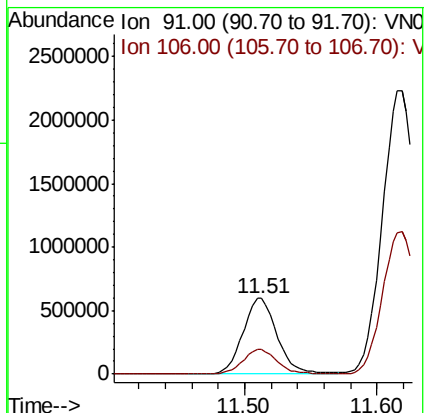
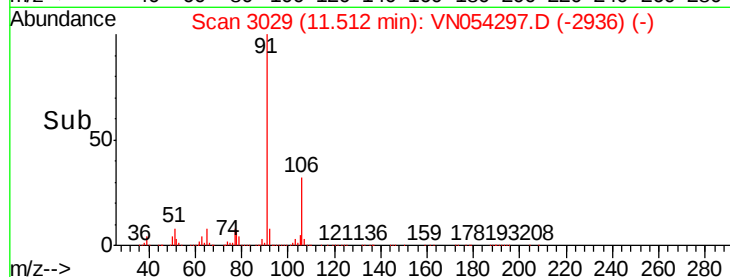
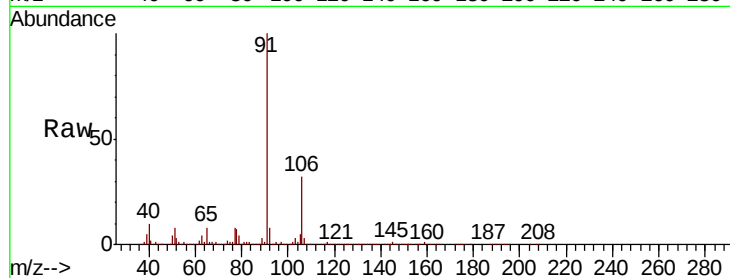
ClientSampled :
30300

Tgt Ion: 91 Resp: 1060519

Ion Ratio Lower Upper

91 100

106 32.3 25.5 38.3



#68

m/p-Xylenes

Concen: 56.425 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054297.D

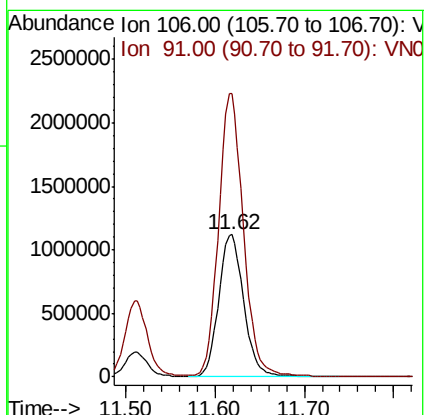
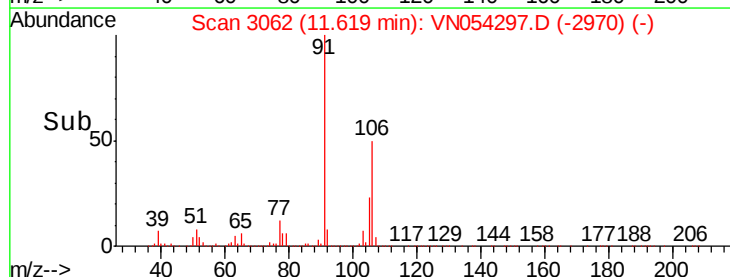
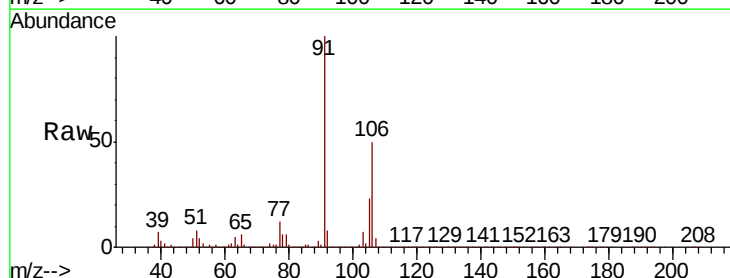
Acq: 15 Mar 2019 8:12

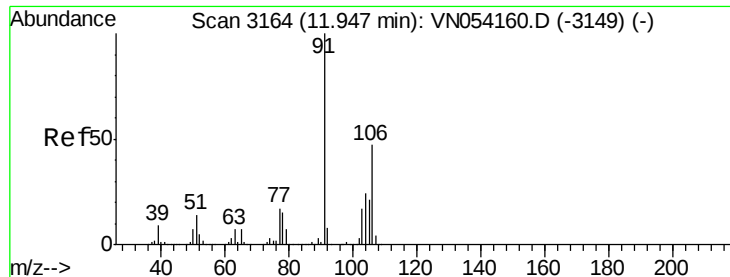
Tgt Ion: 106 Resp: 2171273

Ion Ratio Lower Upper

106 100

91 197.2 159.4 239.2

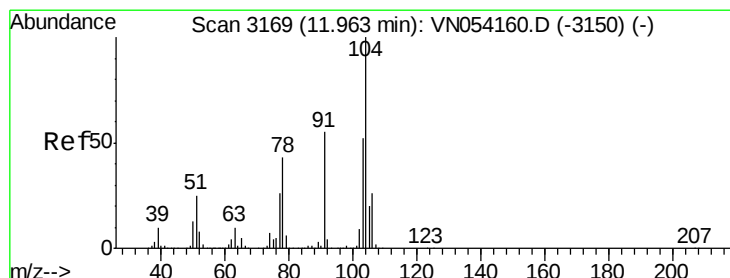
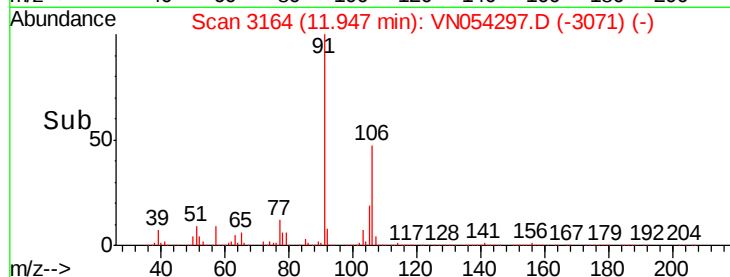
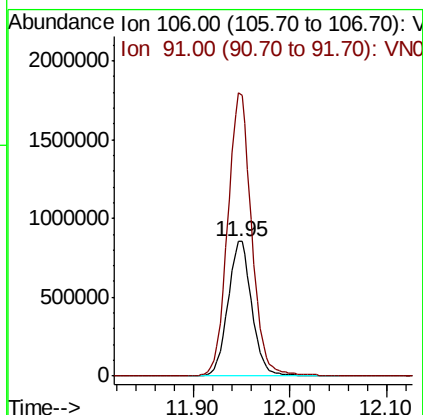
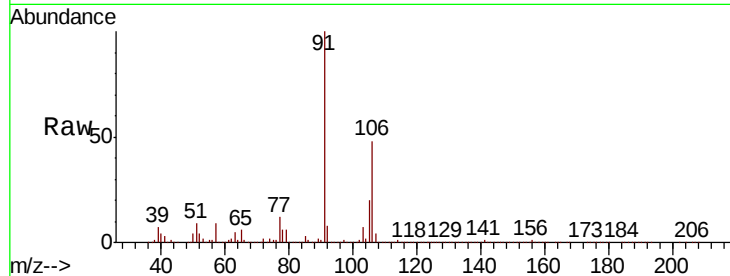




#69
o-Xylene
Concen: 39.002 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

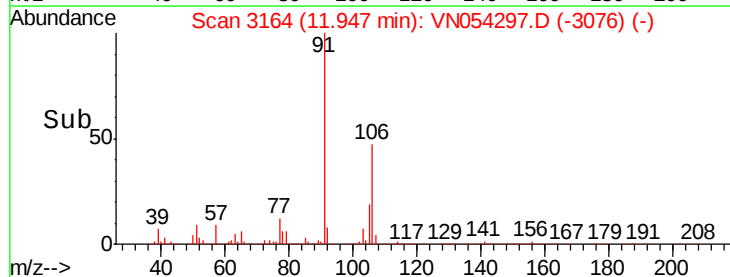
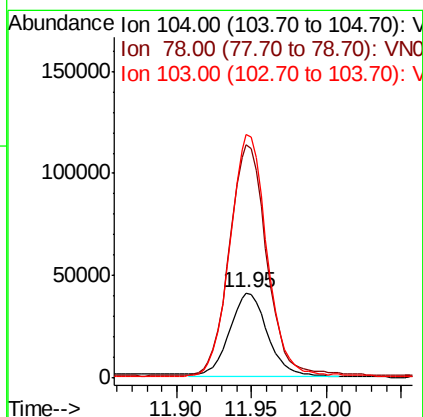
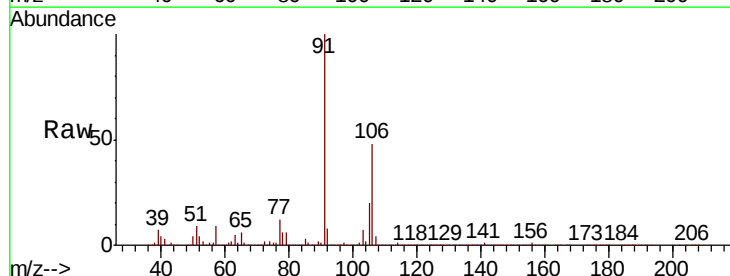
Instrument :
MSVOA_N
ClientSampleId :
30300

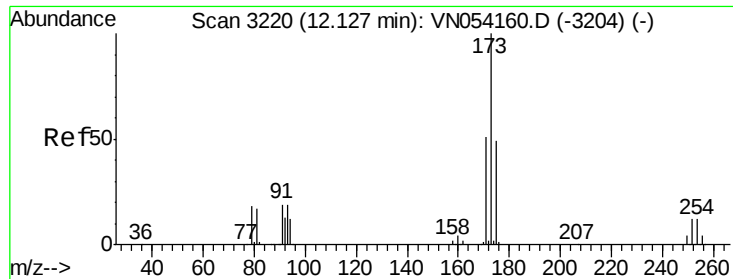
Tgt Ion:106 Resp: 1463063
Ion Ratio Lower Upper
106 100
91 209.1 105.7 317.1



#70
Styrene
Concen: 1.228 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion:104 Resp: 72244
Ion Ratio Lower Upper
104 100
78 271.5 38.2 57.2#
103 280.4 44.4 66.6#





#71

Bromoform

Concen: 2.440 ug/l

RT: 12.14 min Scan# 3224

Delta R.T. 0.01 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

30300

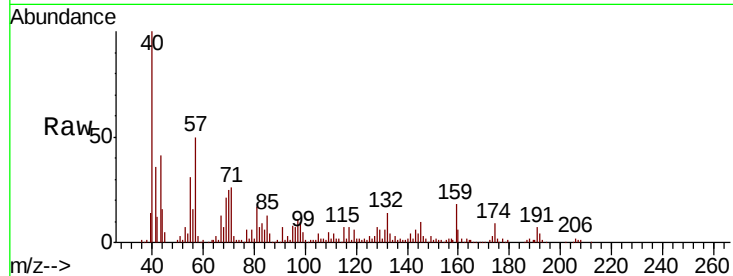
Tgt Ion:173 Resp: 1550

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

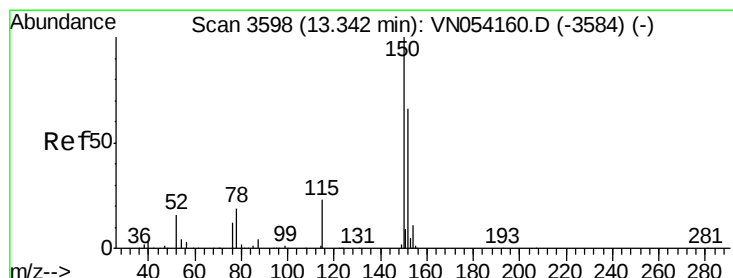
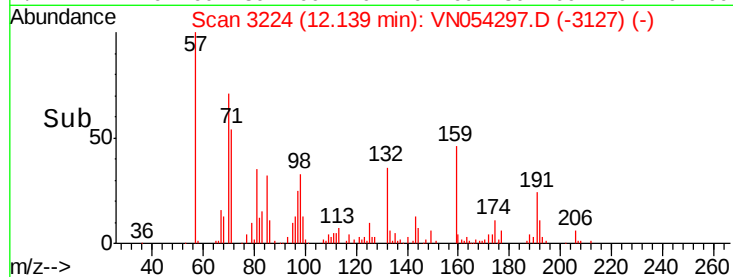
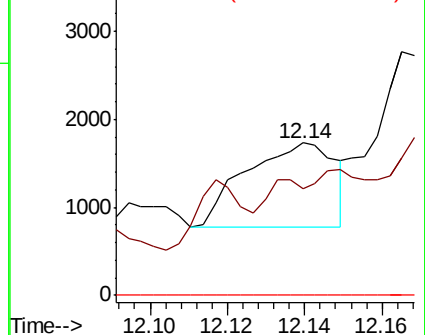
254 0.0 0.1 0.1#



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: VN054297.D

Acq: 15 Mar 2019 8:12

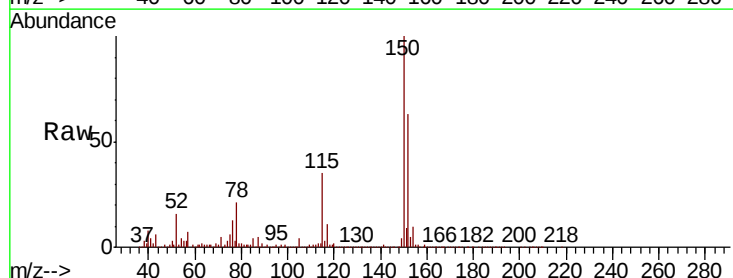
Tgt Ion:152 Resp: 1291641

Ion Ratio Lower Upper

152 100

115 66.0 27.2 81.6

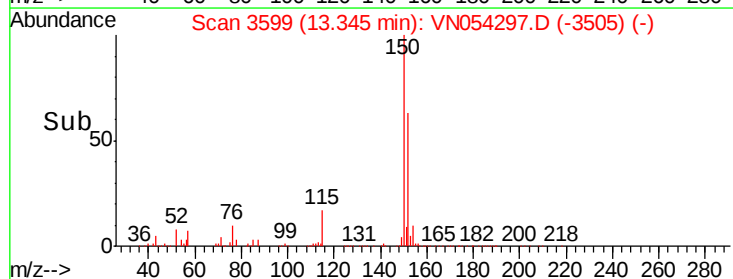
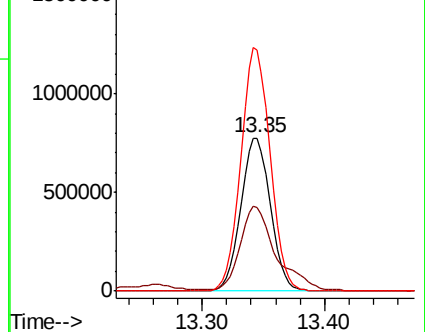
150 157.2 0.0 349.2

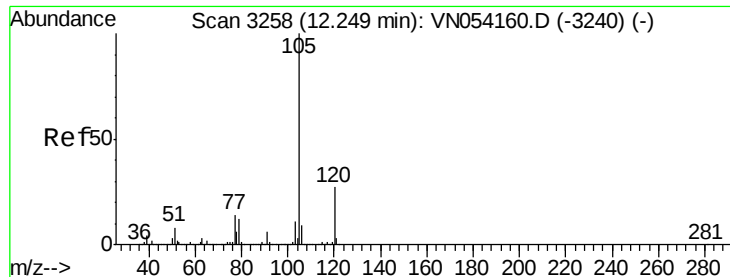


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.792 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

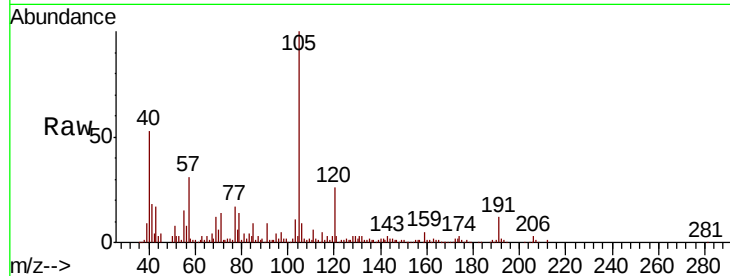
30300

Tgt Ion: 105 Resp: 185145

Ion Ratio Lower Upper

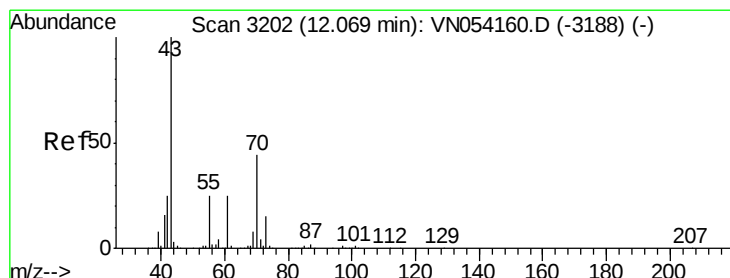
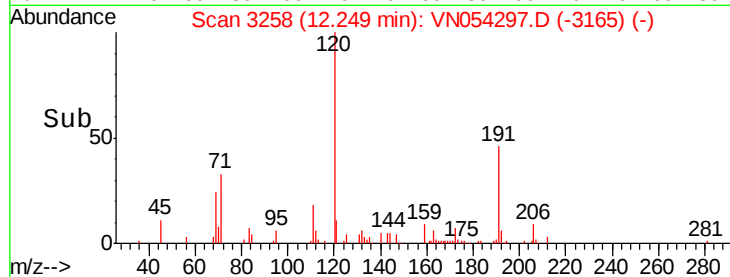
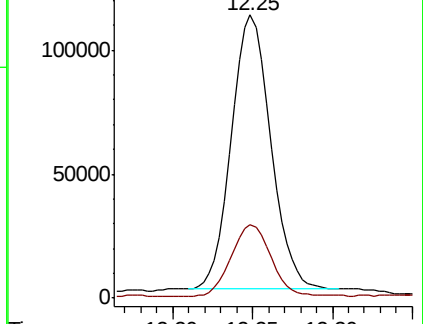
105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.795 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Tgt Ion: 43 Resp: 339372

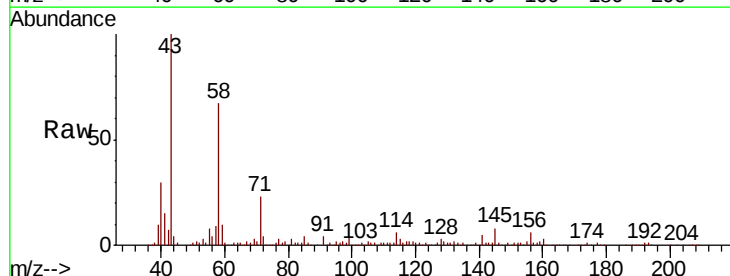
Ion Ratio Lower Upper

43 100

70 0.9 35.4 53.0#

55 4.4 19.8 29.6#

61 0.0 19.8 29.6#

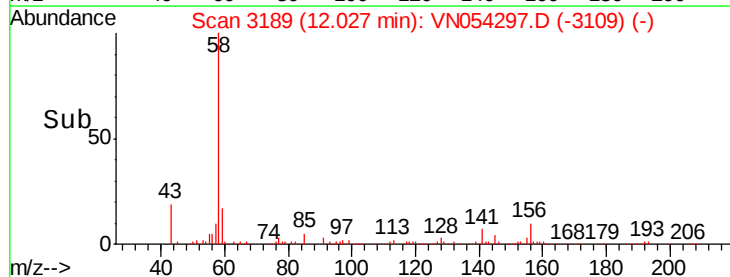
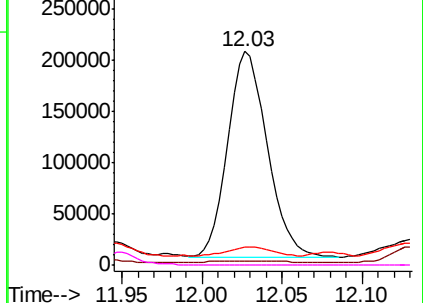


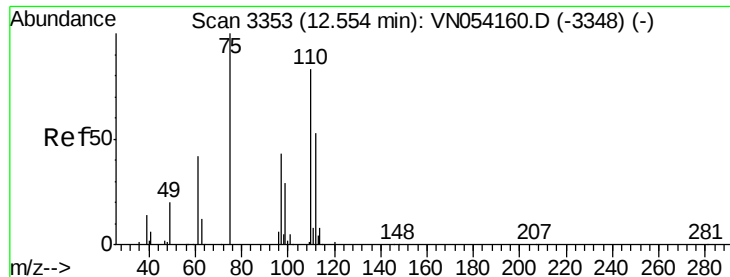
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 1.606 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

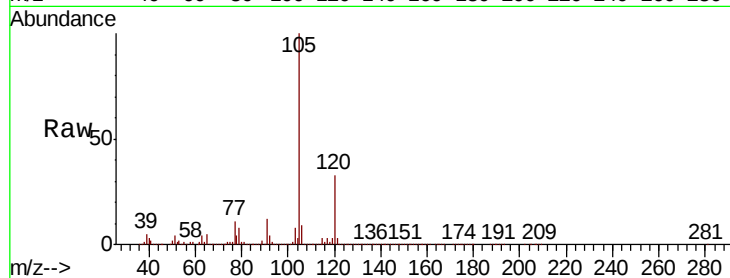
30300

Tgt Ion: 75 Resp: 30509

Ion Ratio Lower Upper

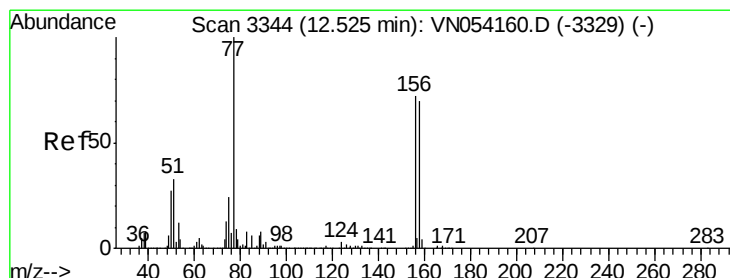
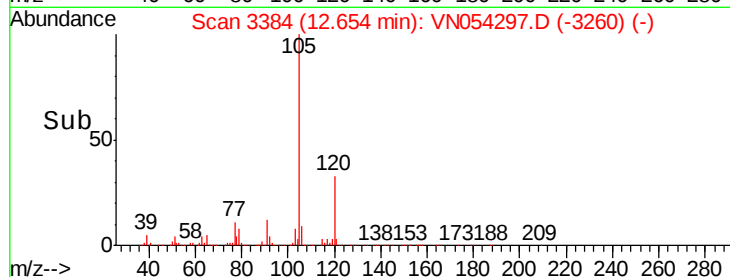
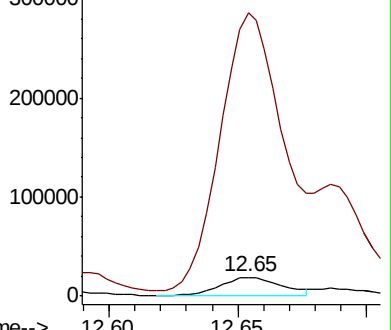
75 100

77 1614.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3348) (-)



#77

Bromobenzene

Concen: 9.559 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.03 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

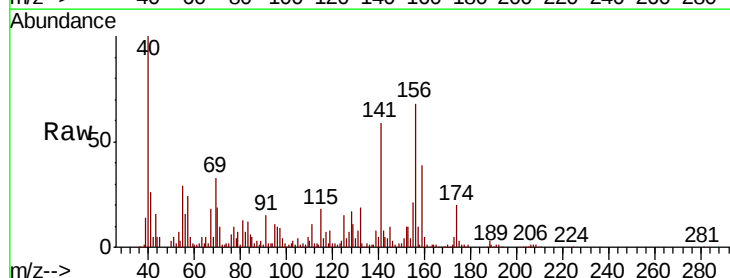
Tgt Ion: 156 Resp: 261404

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

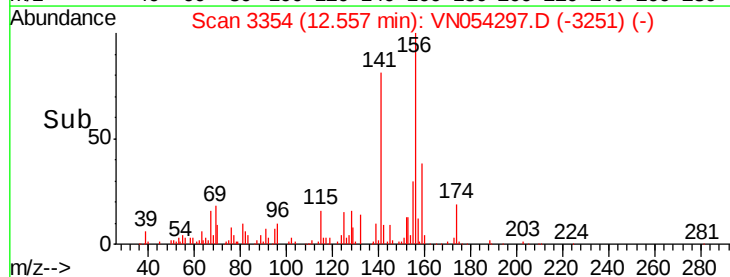
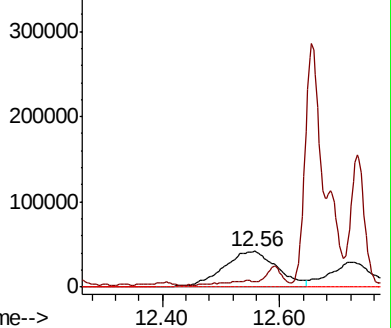
158 0.1 49.0 147.2#

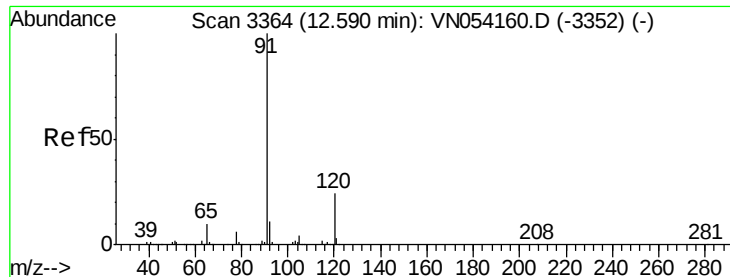


Abundance Ion 155.80 (155.50 to 156.50): VN054160.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN054160.D (-3329) (-)





#78

n-propylbenzene

Concen: 7.315 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

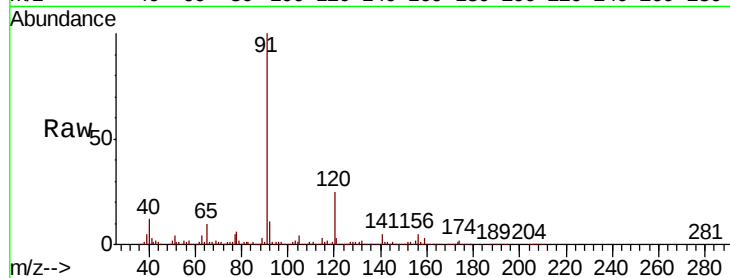
30300

Tgt Ion: 91 Resp: 820254

Ion Ratio Lower Upper

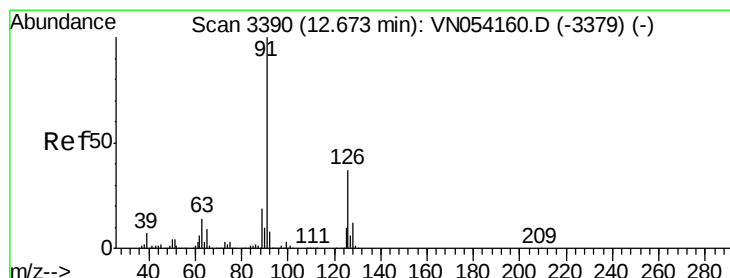
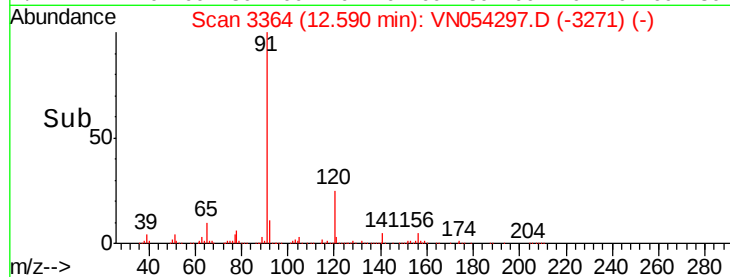
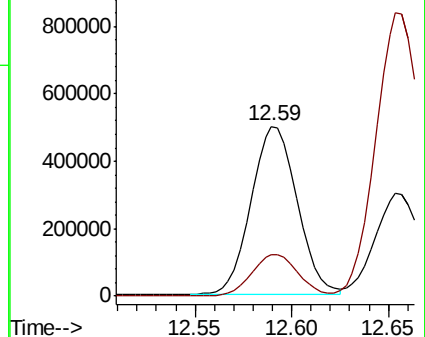
91 100

120 24.8 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: 7.023 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054297.D

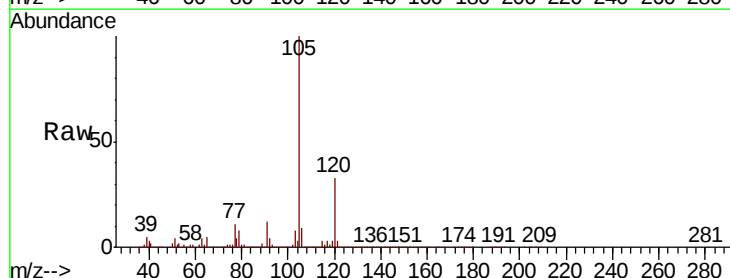
Acq: 15 Mar 2019 8:12

Tgt Ion: 91 Resp: 473468

Ion Ratio Lower Upper

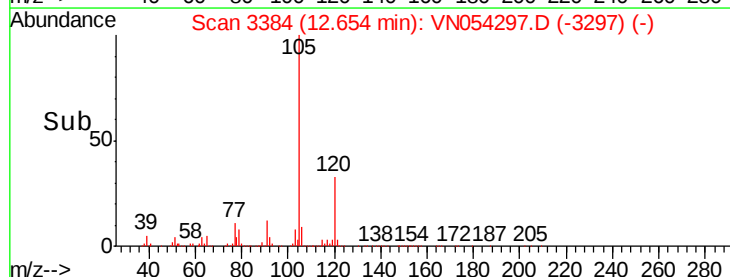
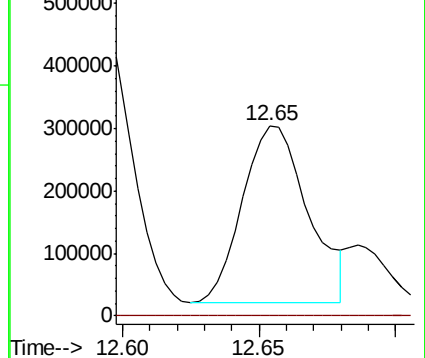
91 100

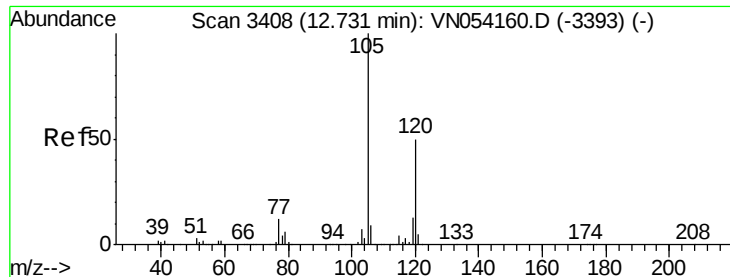
126 0.1 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

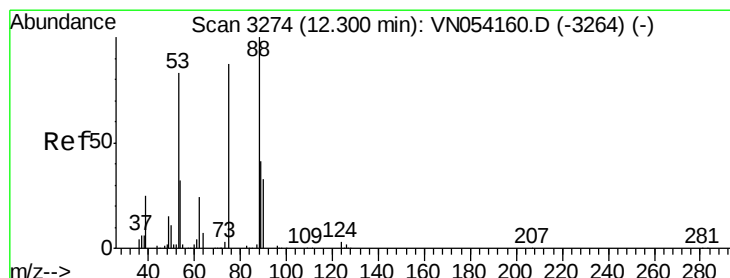
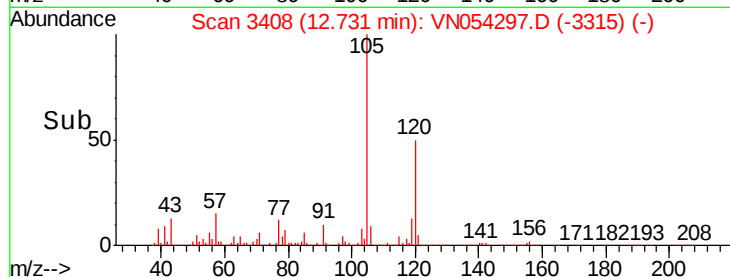
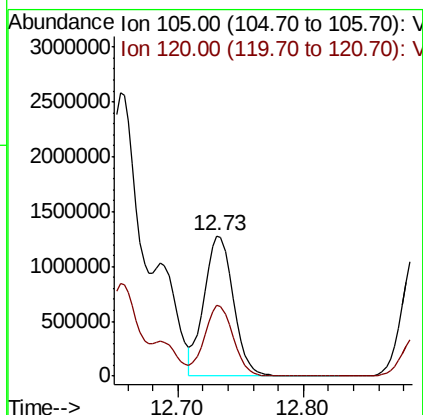
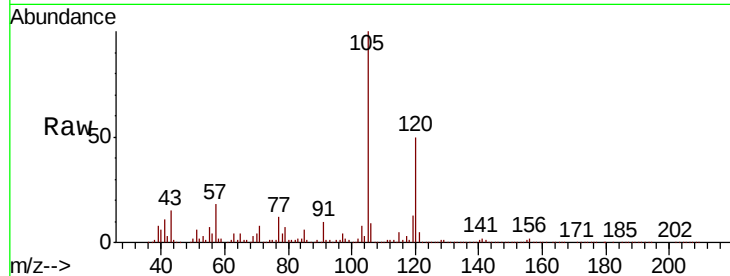




#80
 1,3,5-Trimethylbenzene
 Concen: 24.174 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

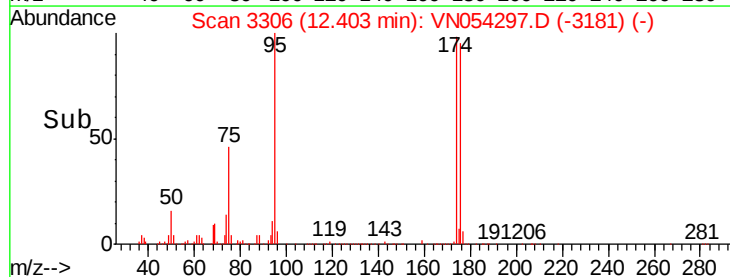
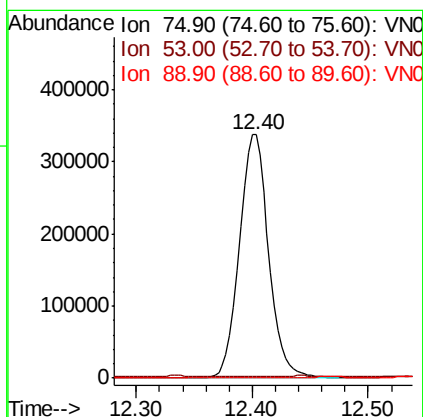
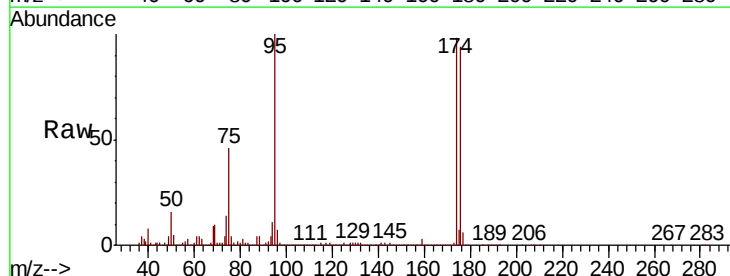
Instrument :
 MSVOA_N
 ClientSampled :
 30300

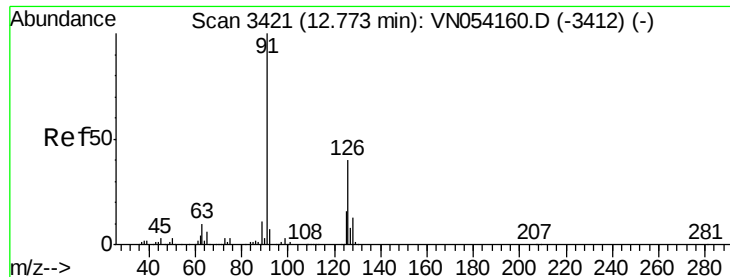
Tgt Ion:105 Resp: 2077928
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.926 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion: 75 Resp: 588565
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.1 39.2 58.8#

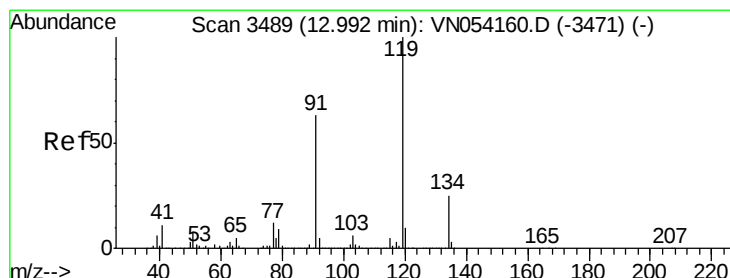
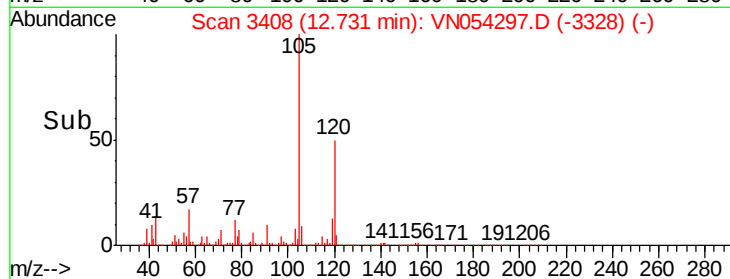
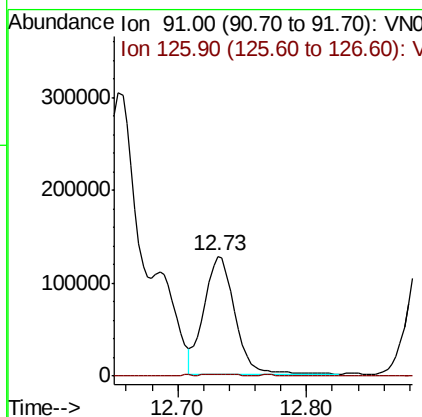
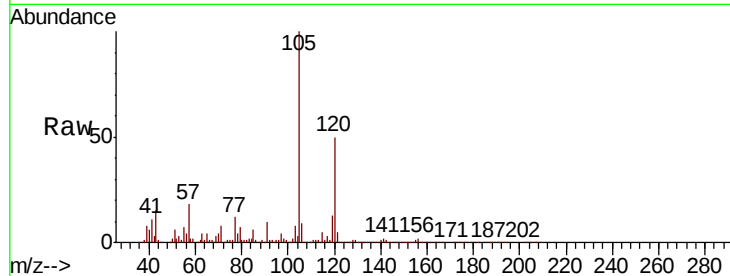




#82
4-Chlorotoluene
Concen: 3.110 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

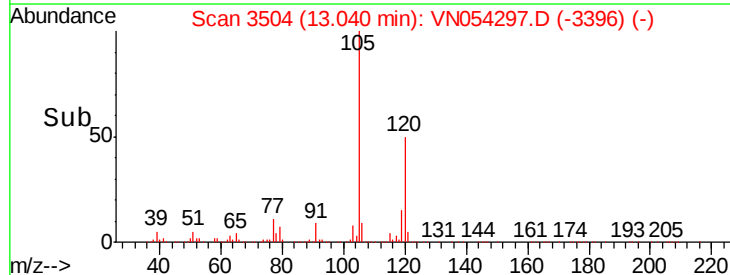
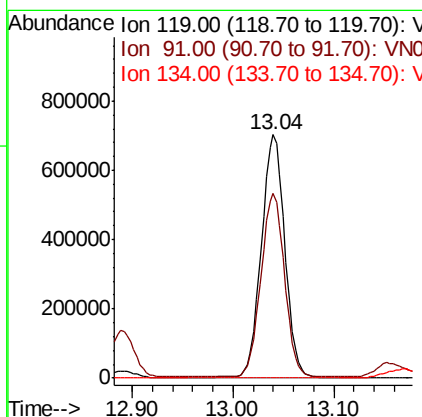
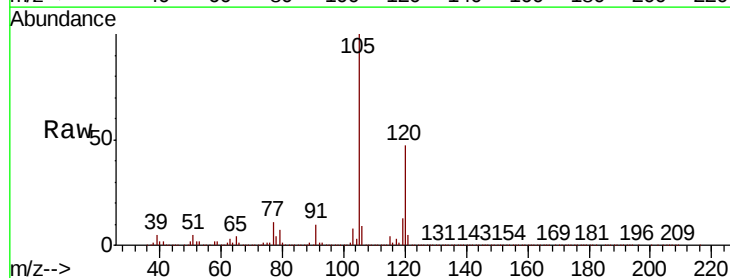
Instrument :
MSVOA_N
ClientSampleId :
30300

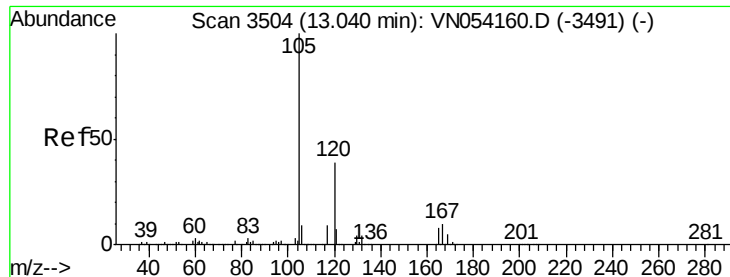
Tgt Ion: 91 Resp: 209356
Ion Ratio Lower Upper
91 100
126 0.5 18.1 54.1#



#83
tert-Butylbenzene
Concen: 14.304 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion: 119 Resp: 1131668
Ion Ratio Lower Upper
119 100
91 76.0 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 105.979 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

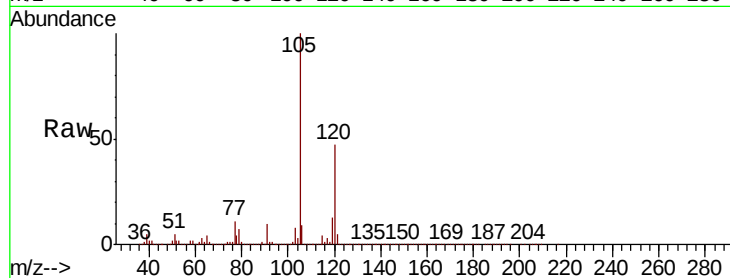
30300

Tgt Ion:105 Resp: 8936941

Ion Ratio Lower Upper

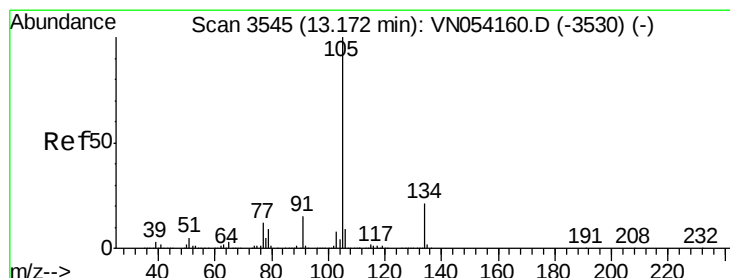
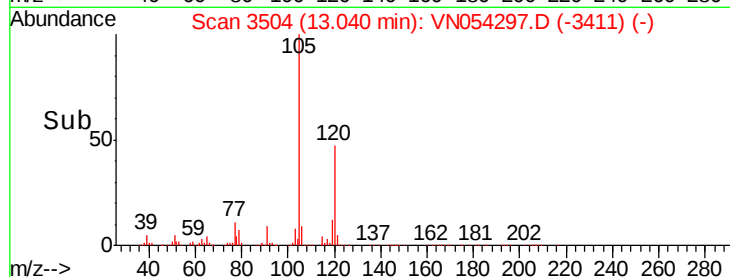
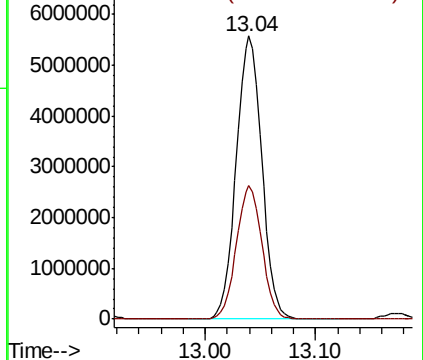
105 100

120 47.1 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: 87.101 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054297.D

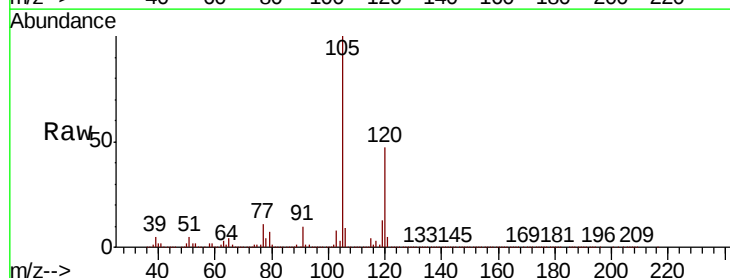
Acq: 15 Mar 2019 8:12

Tgt Ion:105 Resp: 8936941

Ion Ratio Lower Upper

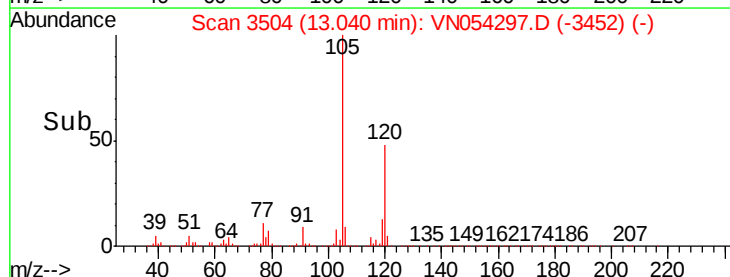
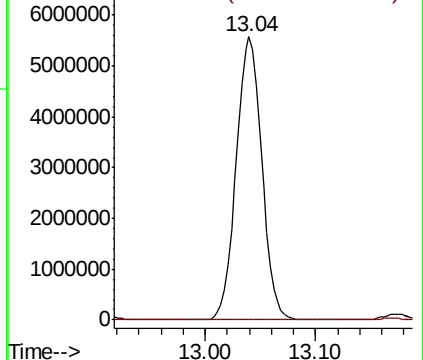
105 100

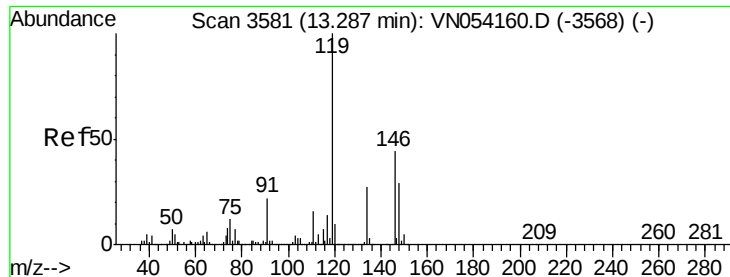
134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

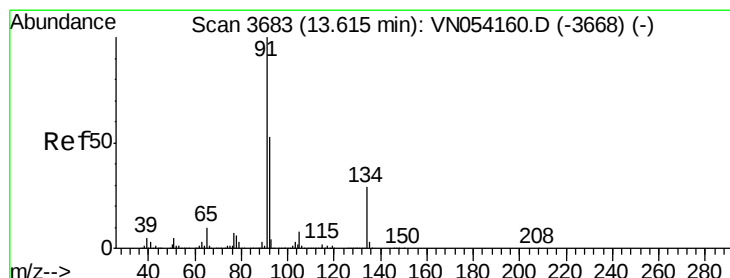
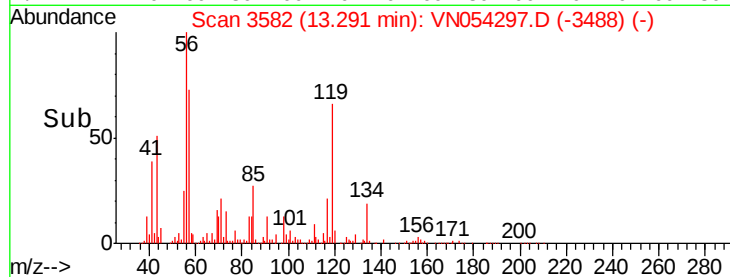
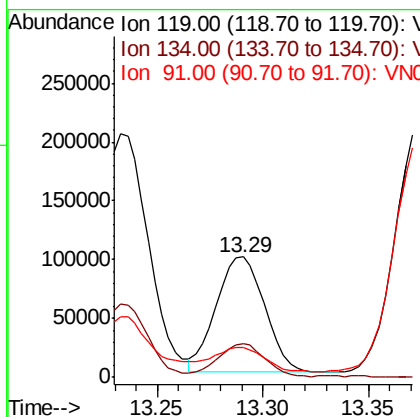
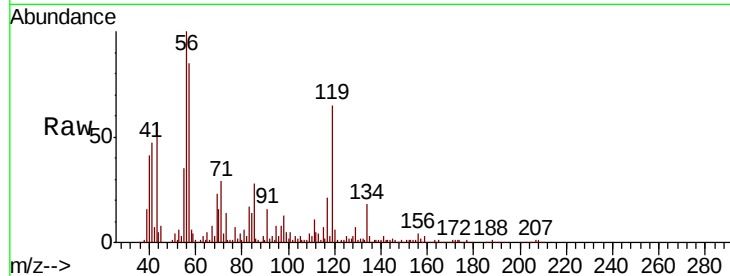




#86
p-Isopropyltoluene
Concen: 1.741 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

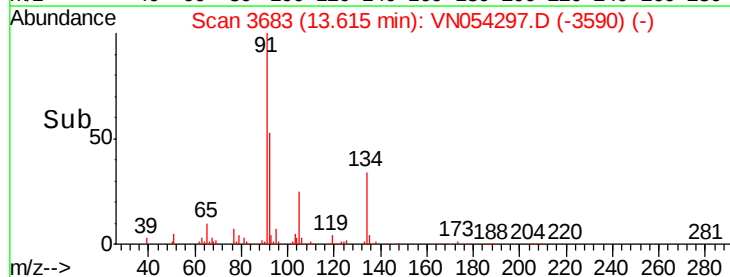
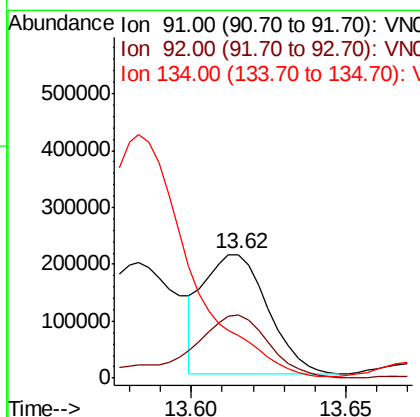
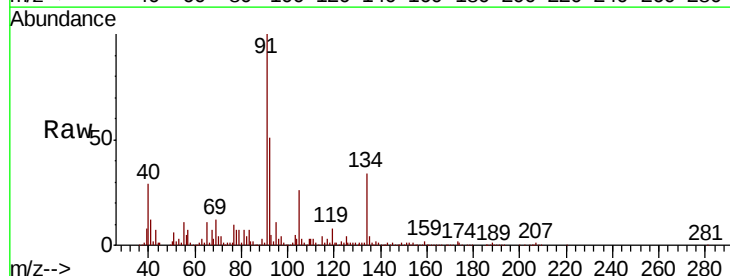
Instrument :
MSVOA_N
ClientSampleId :
30300

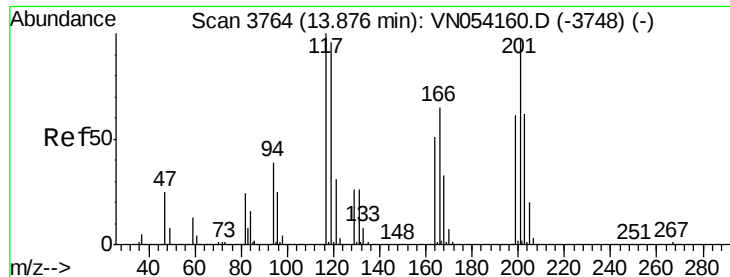
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.6	40.8
91	21.5	11.1	33.3



#89
n-Butylbenzene
Concen: 4.420 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054297.D
Acq: 15 Mar 2019 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.2	26.2	78.6
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 12.066 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampled :

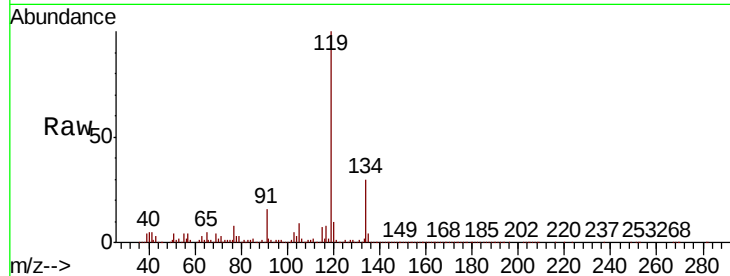
30300

Tgt Ion:117 Resp: 179843

Ion Ratio Lower Upper

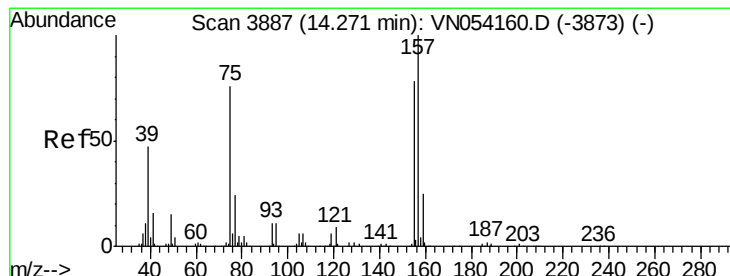
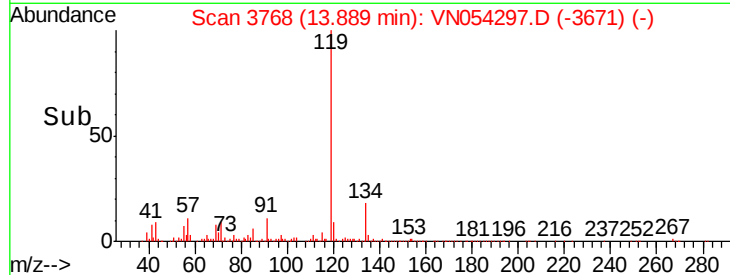
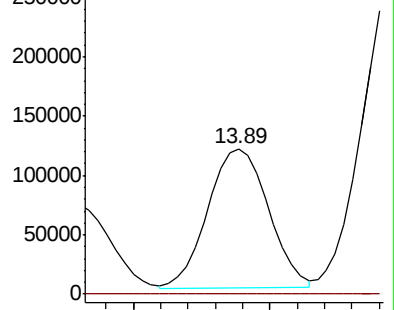
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.680 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

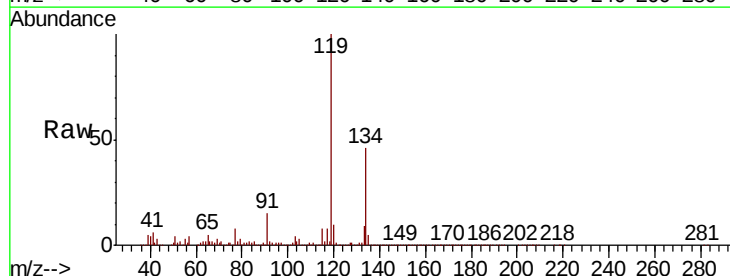
Tgt Ion: 75 Resp: 15943

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

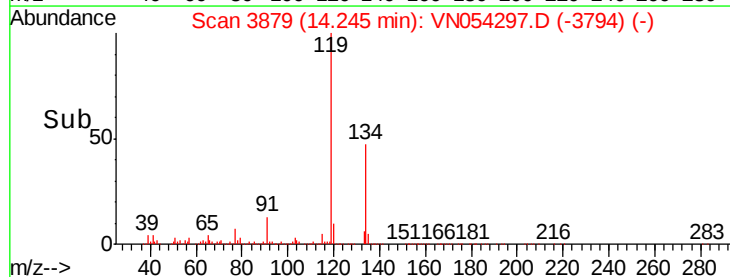
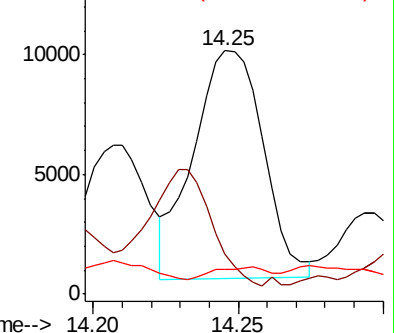
157 4.4 63.1 189.3#

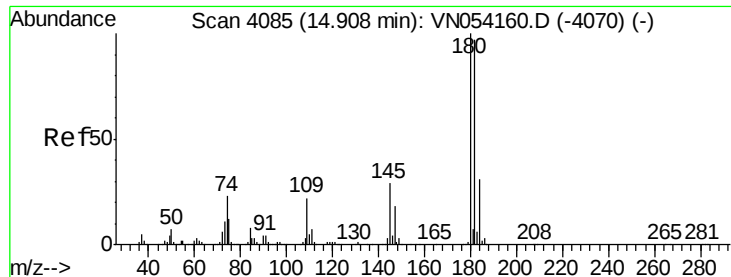


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

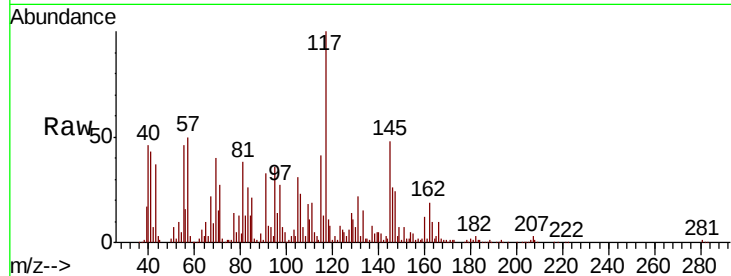




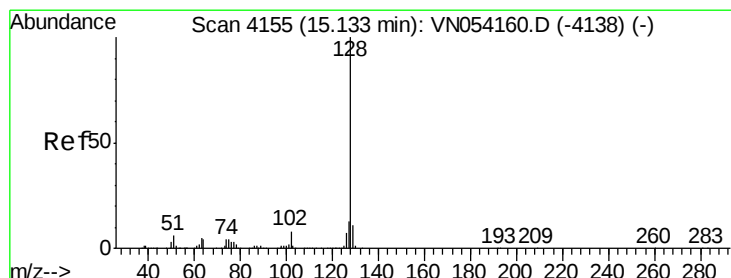
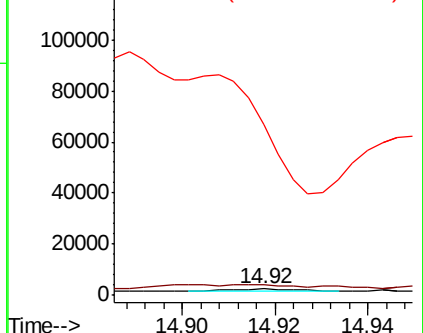
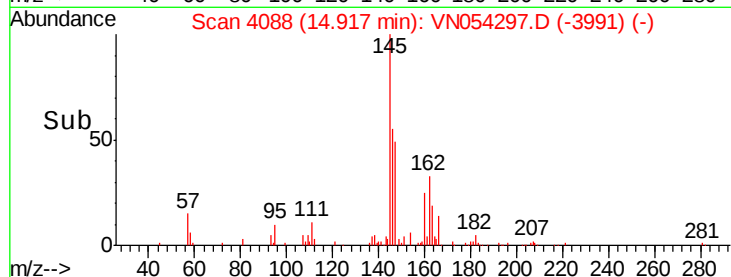
#93
 1,2,4-Trichlorobenzene
 Concen: 2.549 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Instrument :
 MSVOA_N
 ClientSampled :
 30300

Tgt Ion:180 Resp: 928
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.2#
 145 0.0 14.2 42.8#

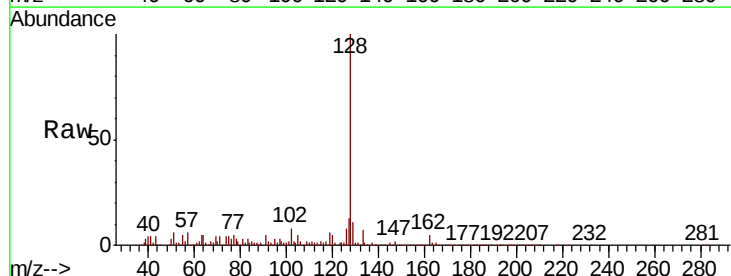


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

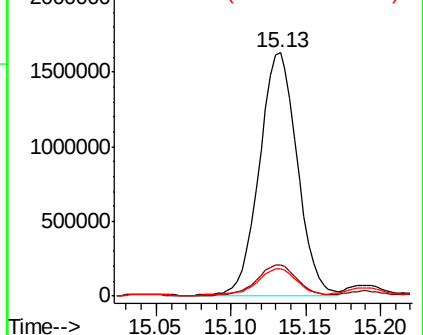
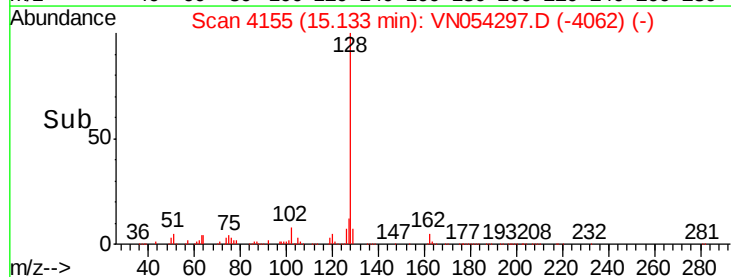


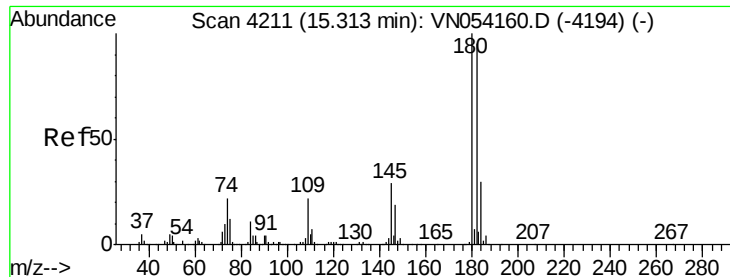
#95
 Naphthalene
 Concen: 50.373 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054297.D
 Acq: 15 Mar 2019 8:12

Tgt Ion:128 Resp: 2855257
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.1 15.1
 129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.643 ug/l

RT: 15.34 min Scan# 4218

Delta R.T. 0.02 min

Lab File: VN054297.D

Acq: 15 Mar 2019 8:12

Instrument :

MSVOA_N

ClientSampleId :

30300

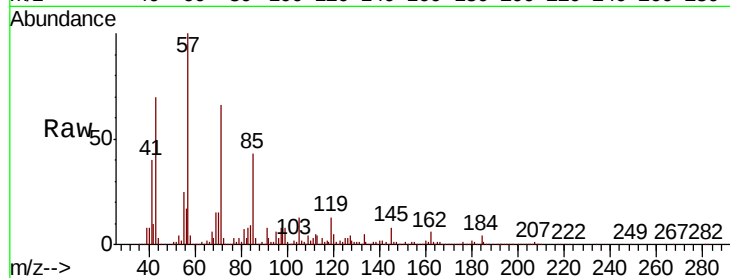
Tgt Ion:180 Resp: 15384

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 1585.4 14.8 44.3#



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

