

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055013.D
 Acq On : 12 Apr 2019 21:32
 Operator : JC/SP
 Sample : K2196-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 03:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	551276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	878748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245141	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	356701	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.59	113	281000	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.09	98	1046941	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	306371	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	465	0.905	ug/l #	57
14) Allyl chloride	4.54	41	290954	27.938	ug/l #	26
16) Acetone	3.82	43	9529	5.014	ug/l	96
18) Methyl Acetate	4.33	43	3401	0.577	ug/l #	67
20) Methylene Chloride	4.54	84	6430116	1073.380	ug/l	96
25) 2-Butanone	6.86	43	924	0.316	ug/l #	90
29) Tetrahydrofuran	7.23	42	960	0.500	ug/l #	66
31) Cyclohexane	7.67	56	11629	Below Cal	#	9
36) 1,1-Dichloropropene	7.66	75	41660	5.130	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52617	6.883	ug/l #	16
43) Isopropyl Acetate	8.17	43	15672	1.503	ug/l	99
45) 1,2-Dichloropropane	9.27	63	1462	0.211	ug/l #	44
48) Methyl methacrylate	9.18	41	8508	1.584	ug/l #	17
49) 1,4-Dioxane	9.28	88	31	0.537	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5373	0.880	ug/l	98
54) cis-1,3-Dichloropropene	9.91	75	50431	5.600	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	10039	1.076	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	140	18.244	ug/l #	50
59) 2-Hexanone	10.77	43	167082	43.802	ug/l #	54
67) Ethyl Benzene	11.51	91	31704	1.214	ug/l	92
68) m/p-Xylenes	11.62	106	52135	5.456	ug/l	98
69) o-Xylene	11.95	106	23853	2.523	ug/l	94
71) Bromoform	12.40	173	3107	3.405	ug/l #	1
74) N-amyl acetate	11.88	43	17016	2.709	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	156863	34.781	ug/l #	100
77) Bromobenzene	12.53	156	240	Below Cal	#	1
78) n-propylbenzene	12.59	91	8784	0.387	ug/l	92
79) 2-Chlorotoluene	12.66	91	9084	0.648	ug/l #	49
80) 1,3,5-Trimethylbenzene	12.73	105	31202	1.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	156863	143.559	ug/l #	2
84) 1,2,4-Trimethylbenzene	13.04	105	137017	8.422	ug/l	100
85) sec-Butylbenzene	13.04	105	137017	7.383	ug/l #	58
90) Hexachloroethane	13.89	117	778	0.292	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1058	3.776	ug/l	75

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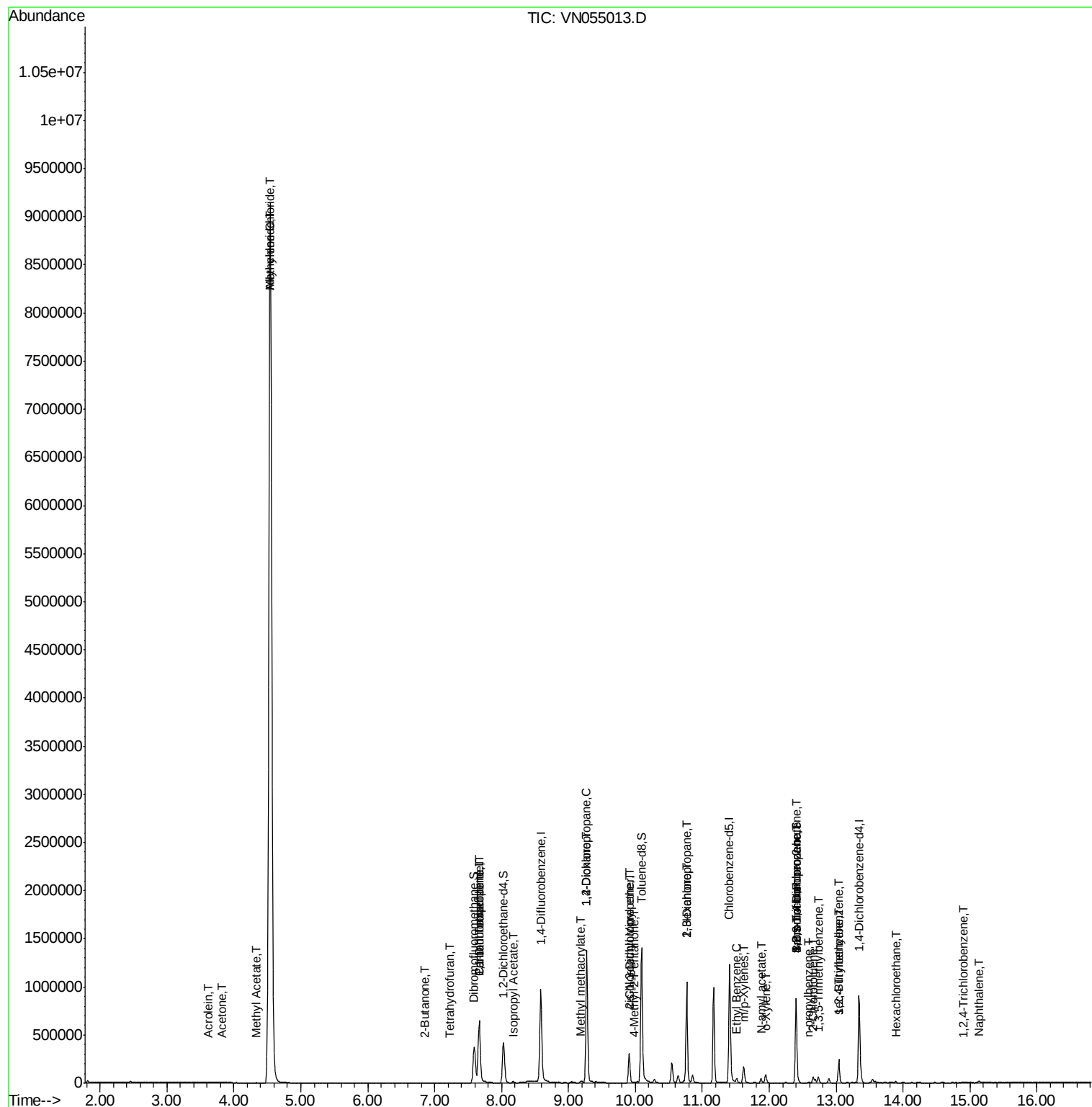
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	175	Below Cal	# 50
95) Naphthalene	15.13	128	15059	6.133 ug/l	99

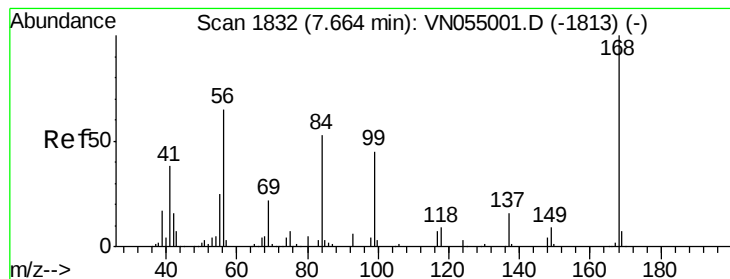
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

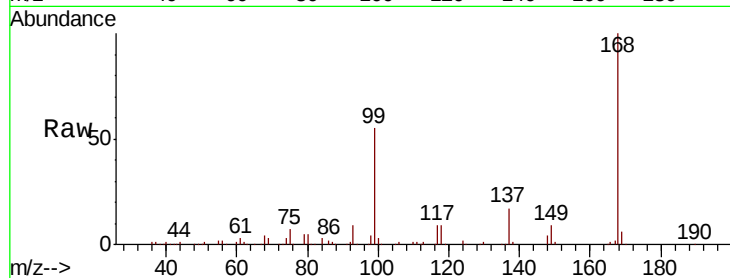
ClientSampleId :

Tot Ion:168 Resp: 551276

Ion Ratio Lower Upper

168 100

99 54.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055013.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055013.D (-1739) (-)

7.67

250000

200000

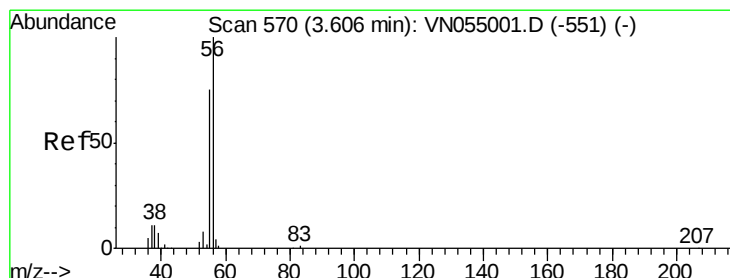
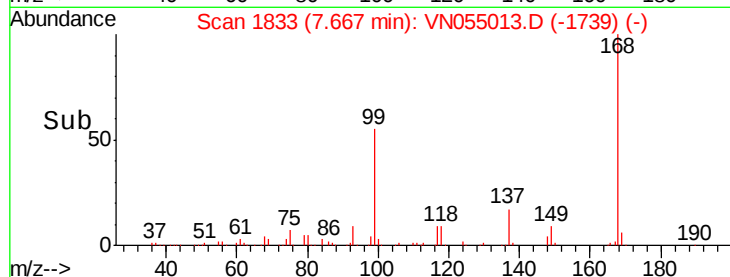
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.905 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055013.D

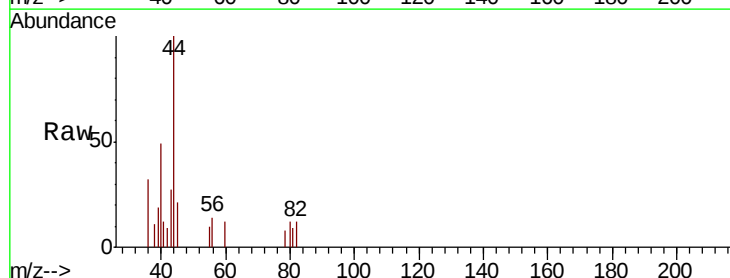
Acq: 12 Apr 2019 21:32

Tgt Ion: 56 Resp: 465

Ion Ratio Lower Upper

56 100

55 38.3 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055013.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055013.D (-477) (-)

3.61

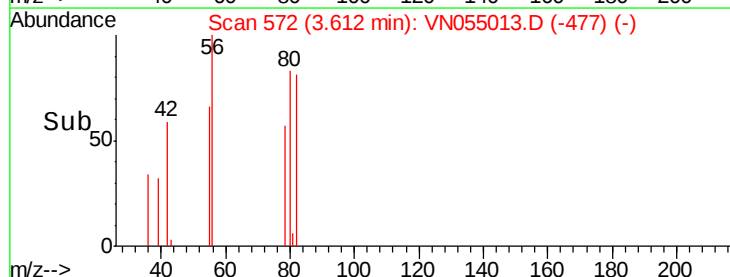
300

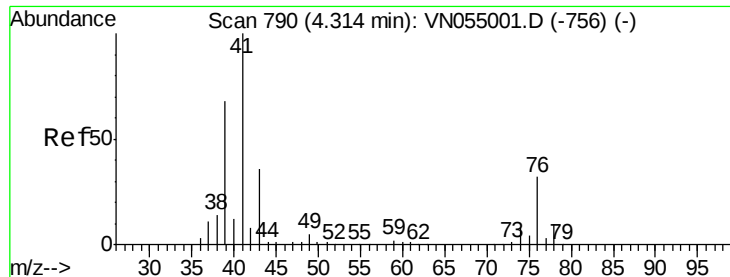
200

100

0

Time-->





#14

Allvl chloride

Concen: 27.938 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

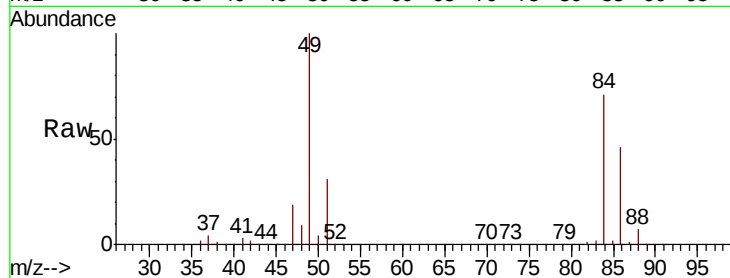
Tot Ion: 41 Resp: 290954

Ion Ratio Lower Upper

41 100

39 0.6 52.7 79.1#

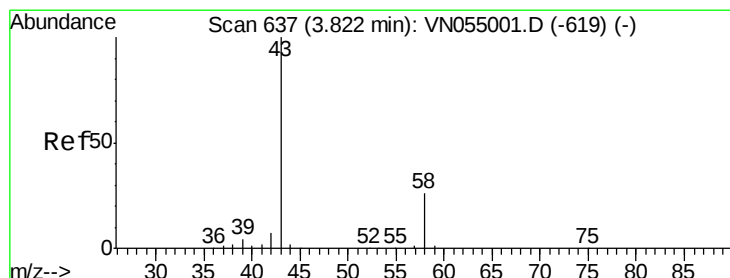
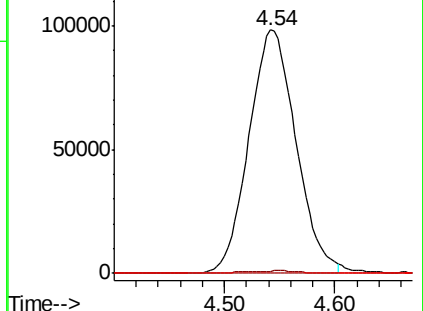
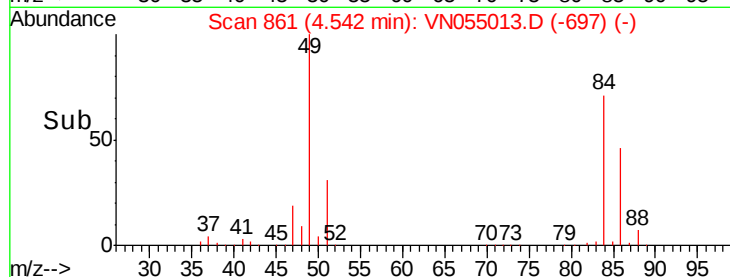
76 0.0 23.2 34.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 5.014 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055013.D

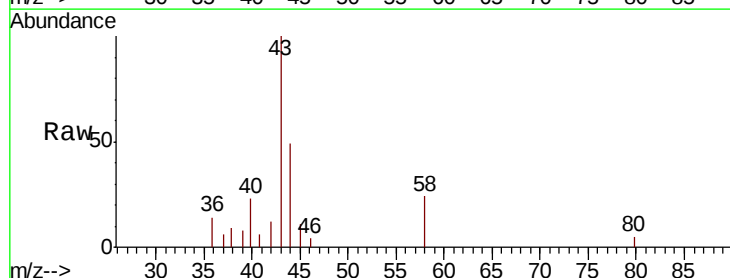
Acq: 12 Apr 2019 21:32

Tgt Ion: 43 Resp: 9529

Ion Ratio Lower Upper

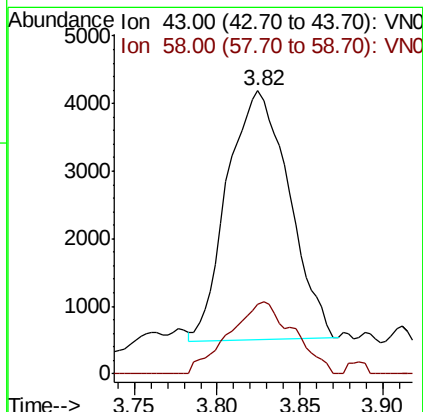
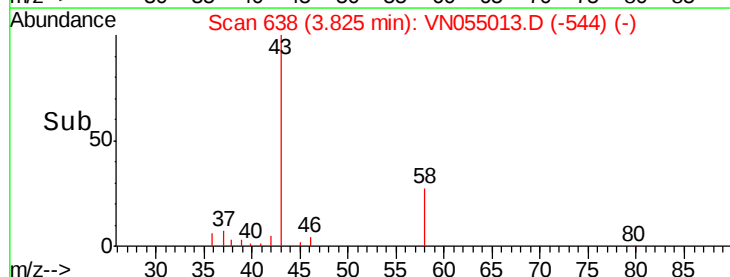
43 100

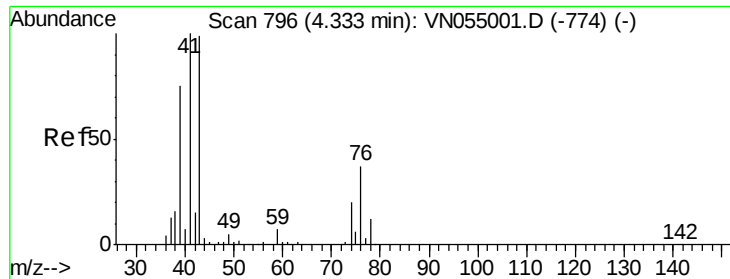
58 28.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

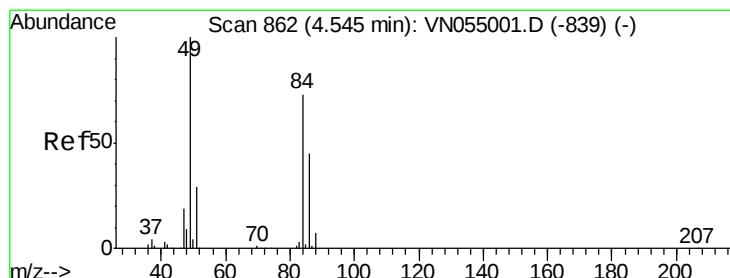
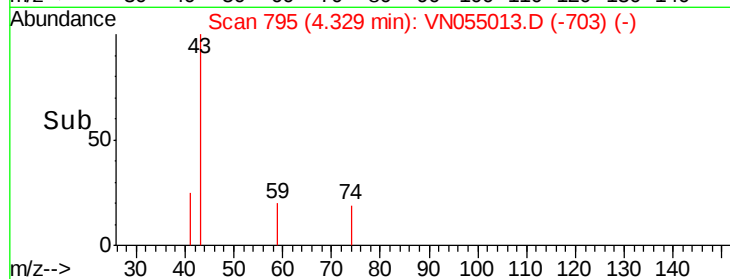
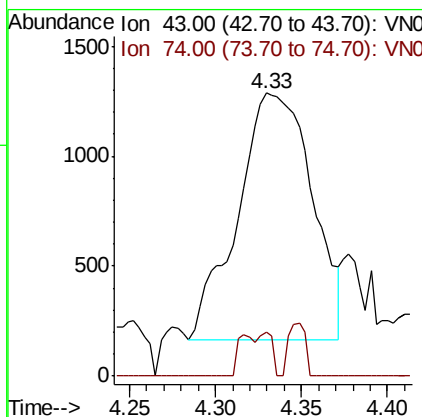
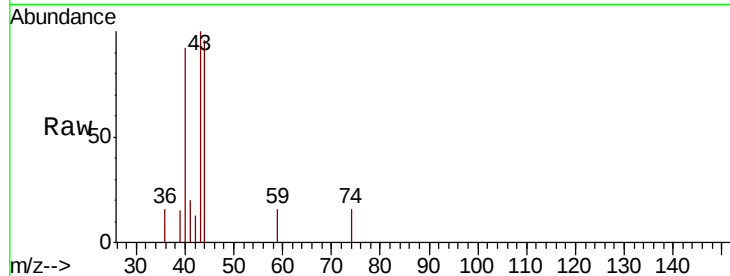




#18
Methyl Acetate
Concen: 0.577 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

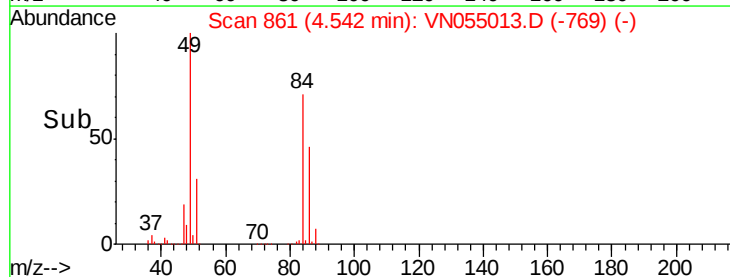
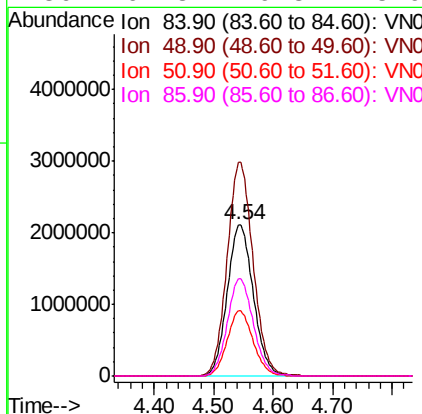
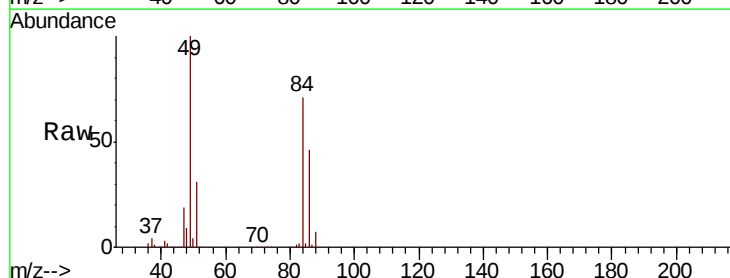
Instrument :
MSVOA_N
ClientSampled :

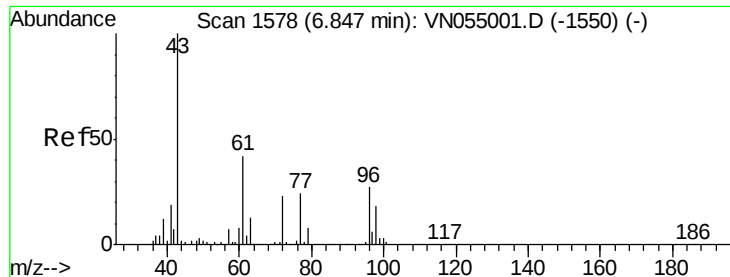
Tot Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
74 4.9 16.1 24.1#



#20
Methylene Chloride
Concen: 1073.380 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 84 Resp: 6430116
Ion Ratio Lower Upper
84 100
49 141.0 109.4 164.2
51 43.1 32.2 48.4
86 64.3 49.3 73.9





#25

2-Butanone

Concen: 0.316 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

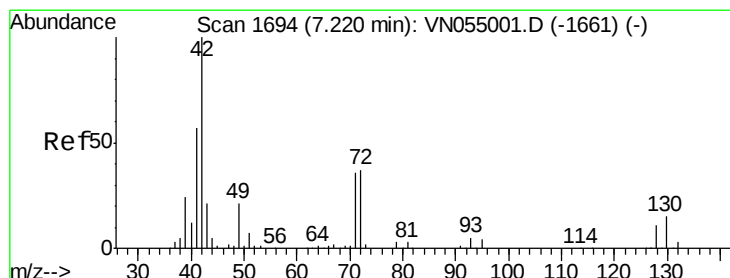
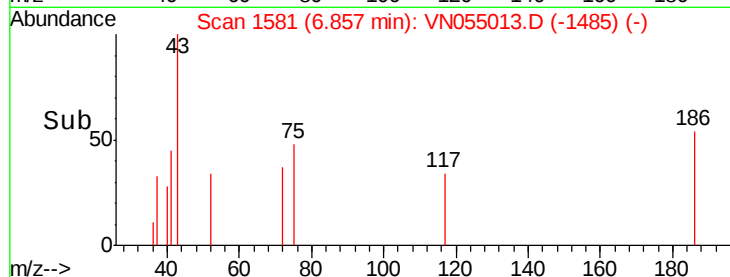
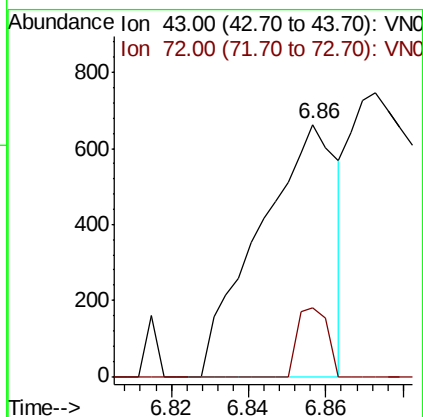
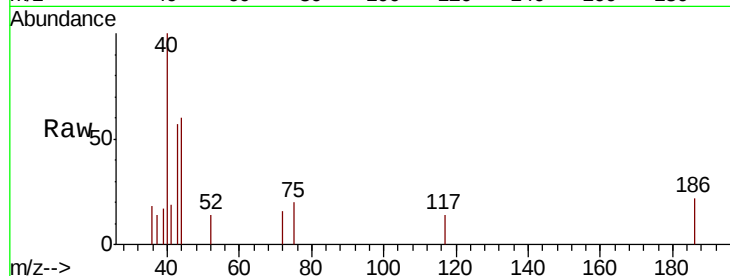
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

72 27.3 18.1 27.1#



#29

Tetrahydrofuran

Concen: 0.500 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

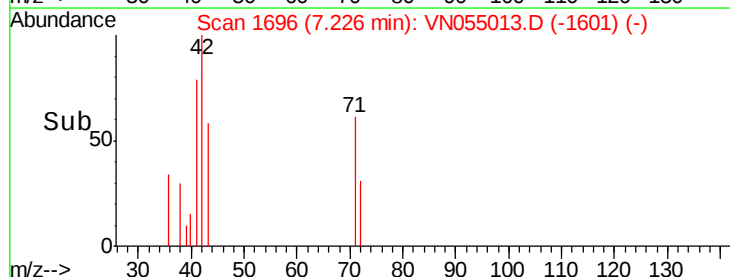
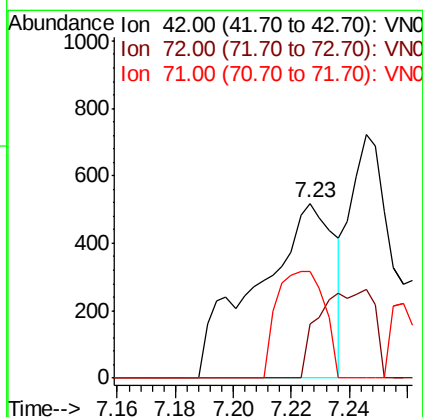
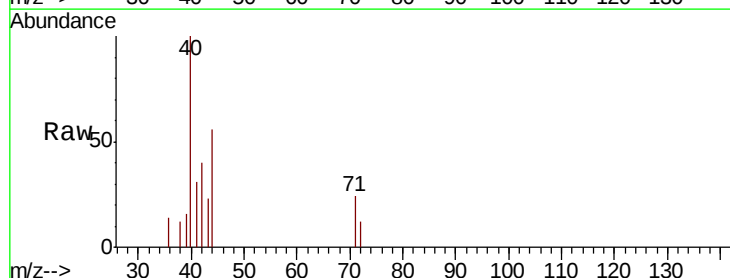
Tgt Ion: 42 Resp: 960

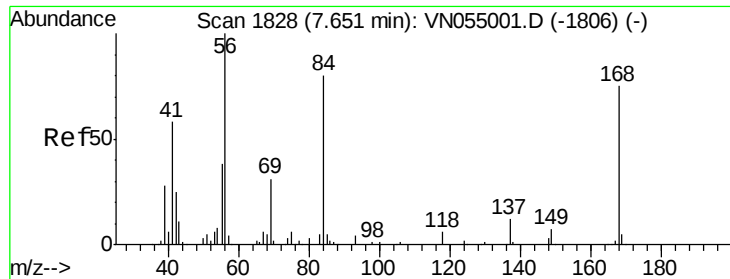
Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 37.5 27.8 41.6

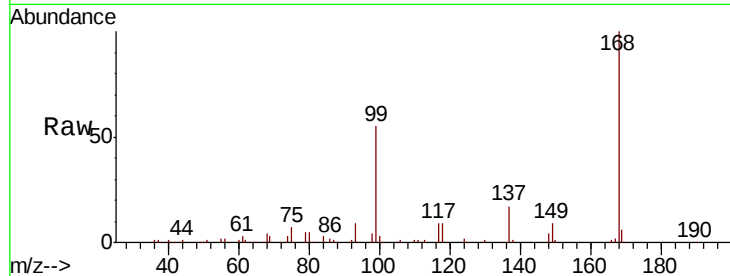




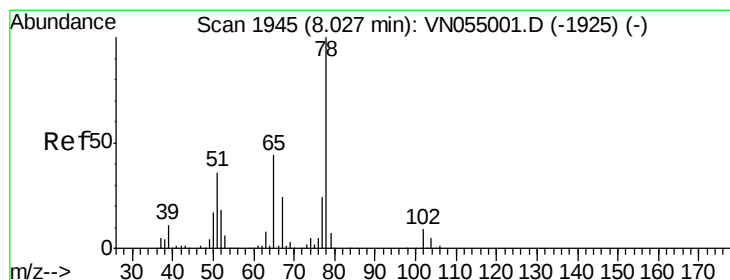
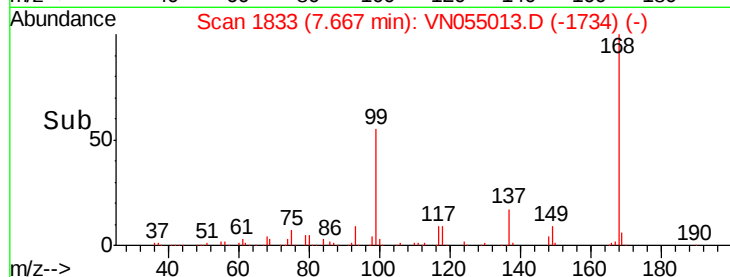
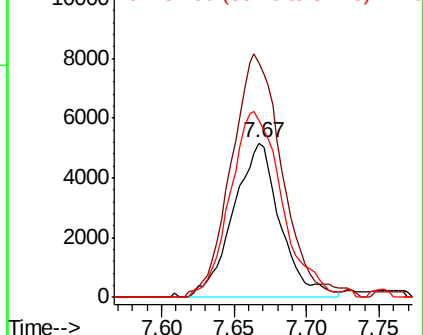
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11629
Ion Ratio Lower Upper
56 100
69 148.9 24.5 36.7#
84 115.0 62.9 94.3#

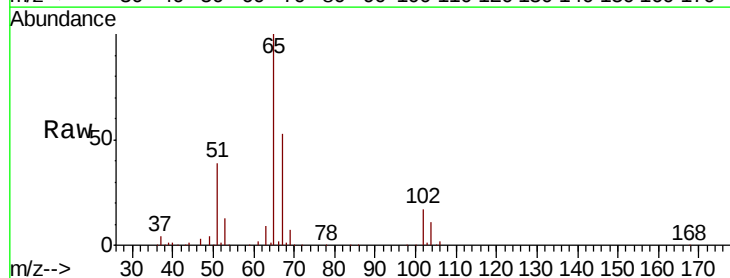


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

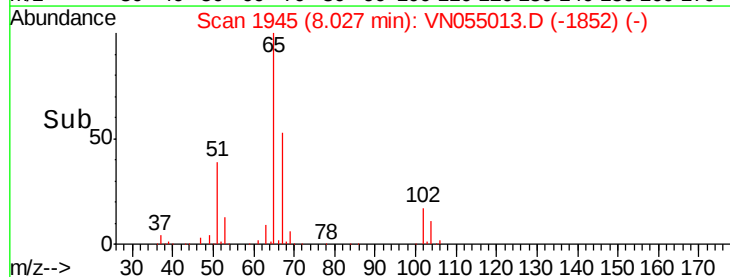
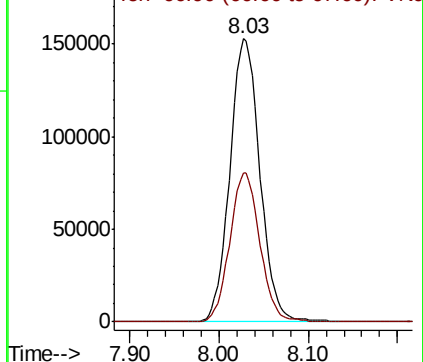


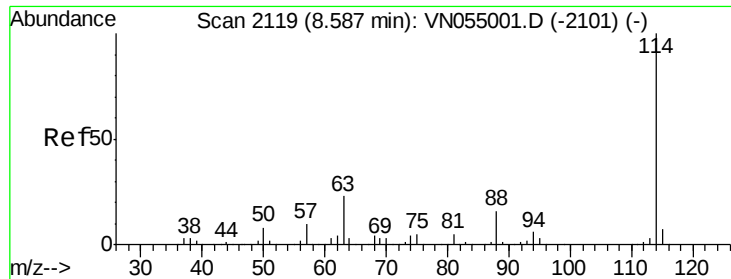
#33
1,2-Dichloroethane-d4
Concen: 51.560 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 65 Resp: 356701
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

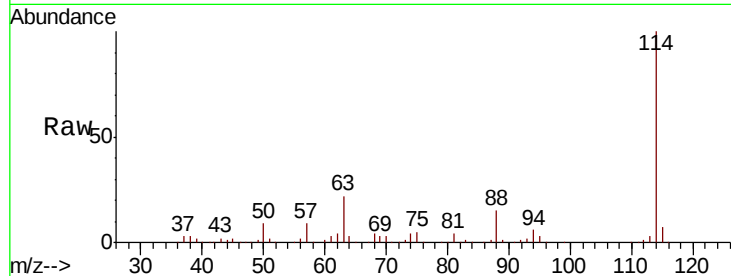




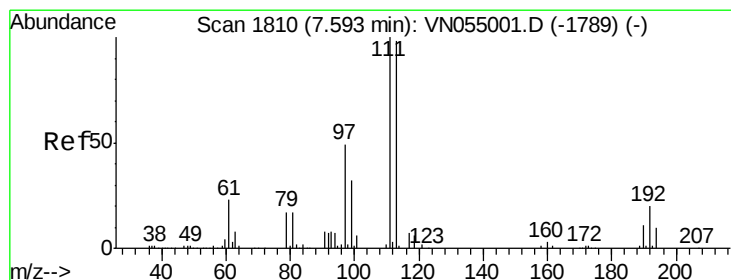
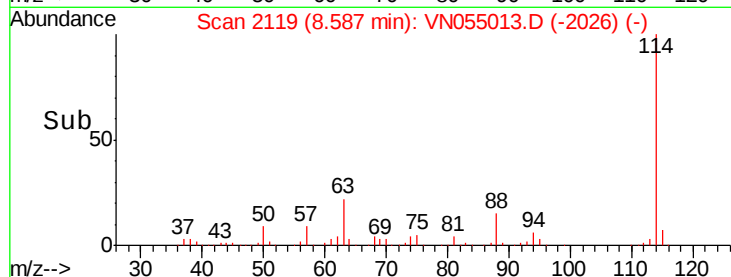
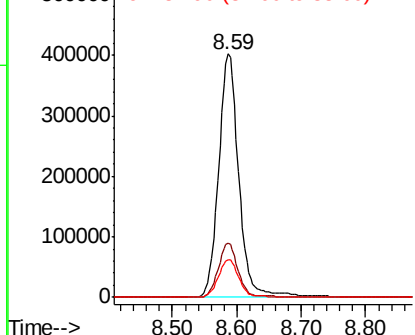
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 878748
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.2
88 15.4 0.0 31.8

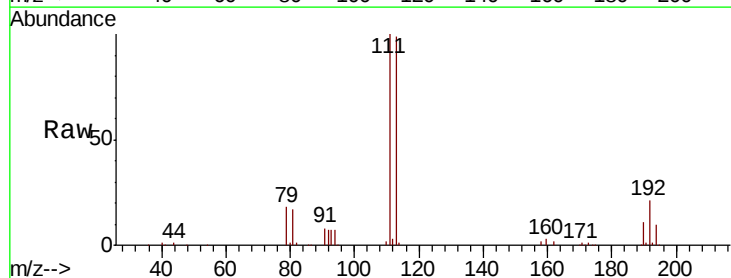


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

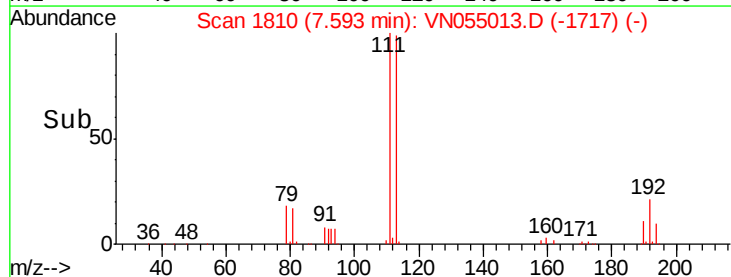
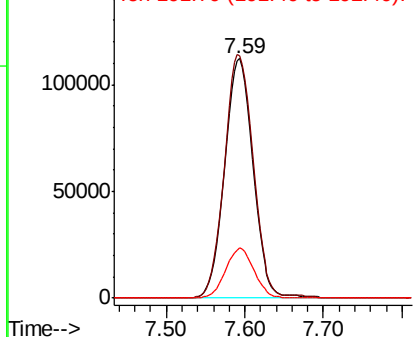


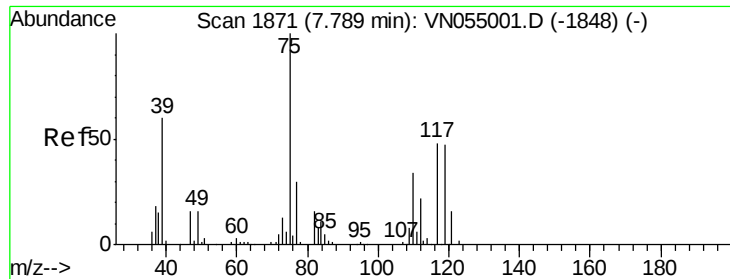
#35
Dibromofluoromethane
Concen: 50.163 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:113 Resp: 281000
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 20.8 16.5 24.7



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: 5.130 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

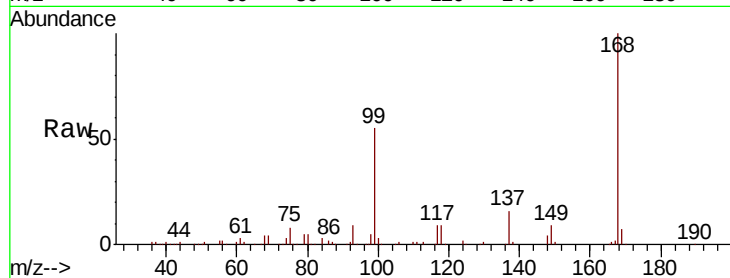
Tot Ion: 75 Resp: 41660

Ion Ratio Lower Upper

75 100

110 8.0 17.5 52.5#

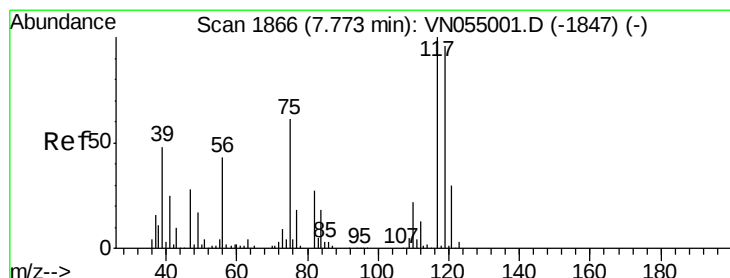
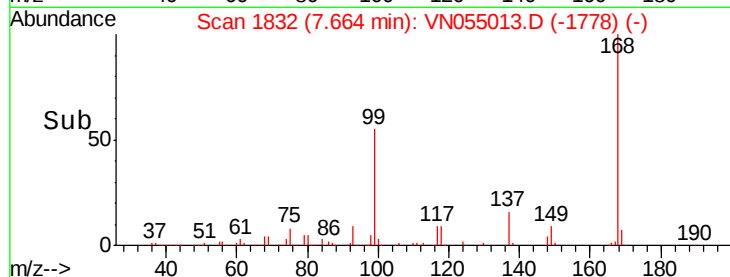
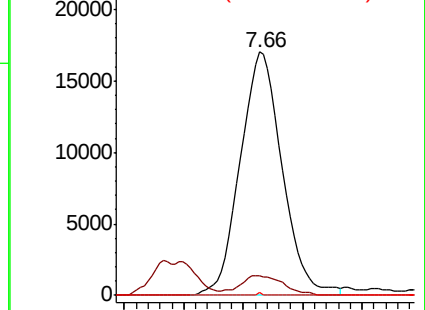
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055013.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055013.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055013.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 6.883 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

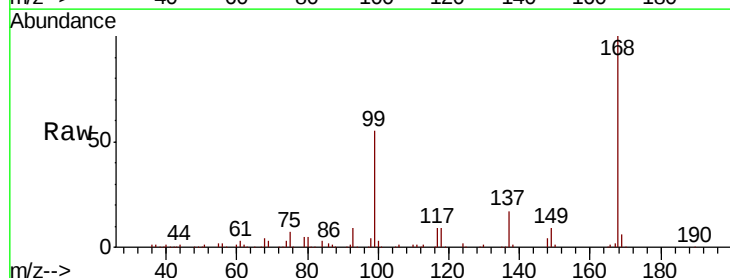
Tgt Ion: 117 Resp: 52617

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

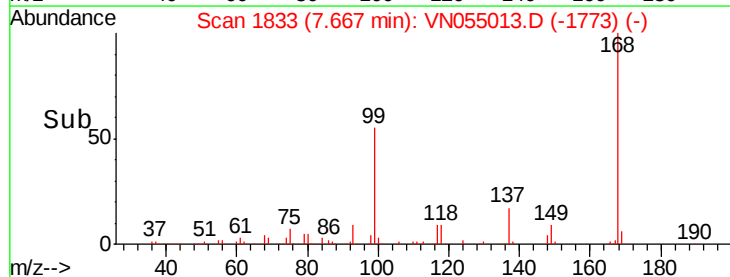
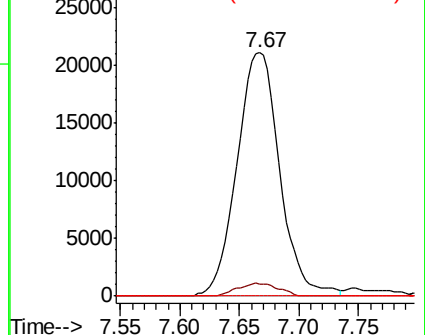
121 0.0 23.9 35.9#

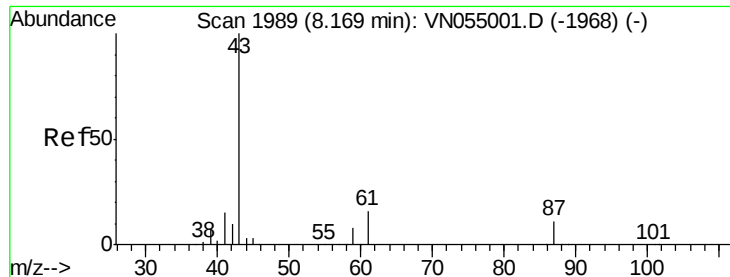


Abundance Ion 116.80 (116.50 to 117.50): VN055013.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055013.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055013.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 1.503 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

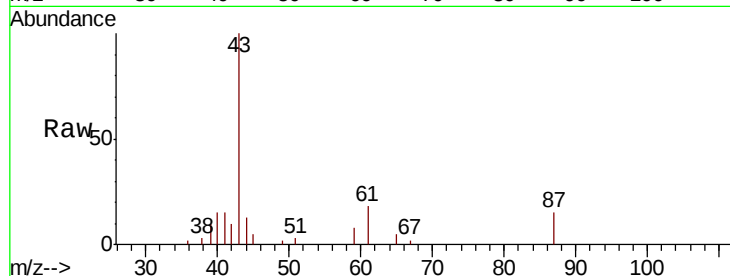
Tot Ion: 43 Resp: 15672

Ion Ratio Lower Upper

43 100

61 17.7 14.3 21.5

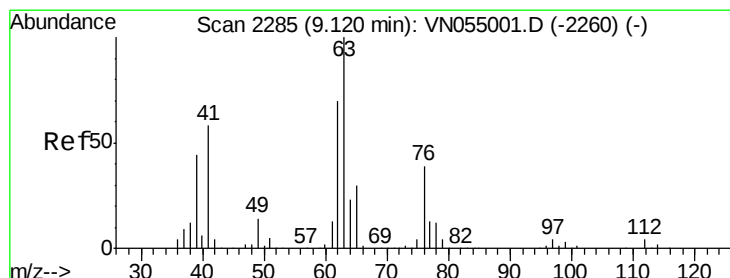
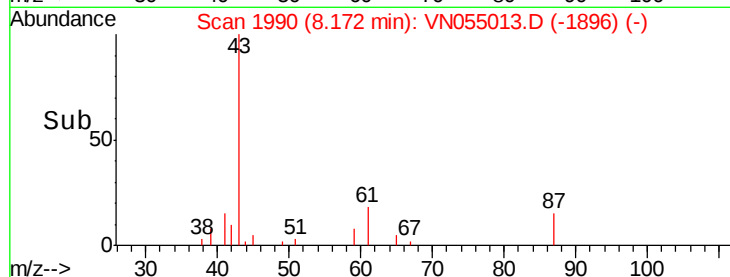
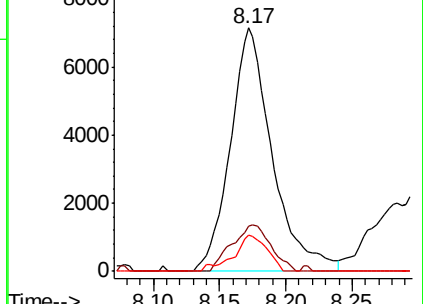
87 11.8 8.6 13.0



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



#45

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055013.D

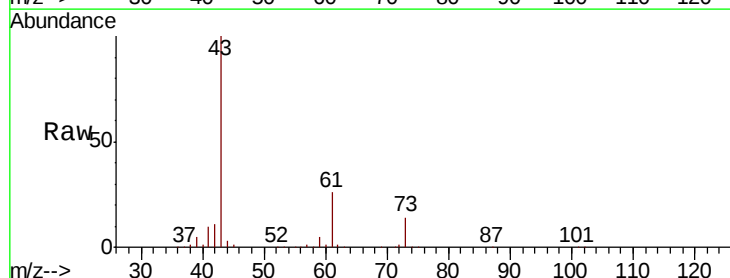
Acq: 12 Apr 2019 21:32

Tgt Ion: 63 Resp: 1462

Ion Ratio Lower Upper

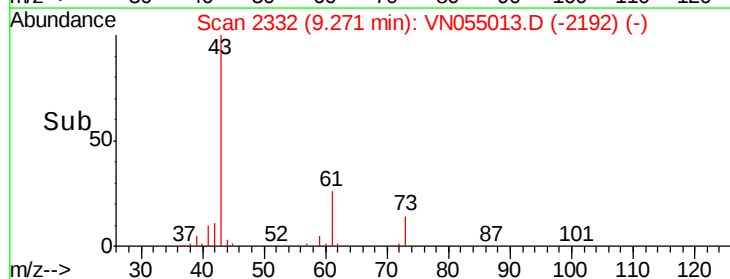
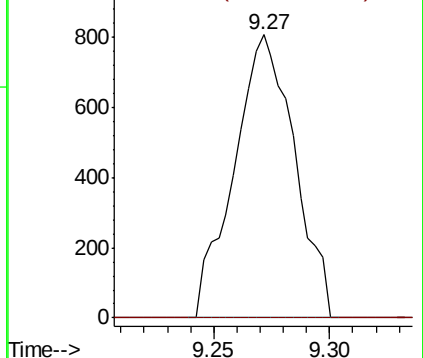
63 100

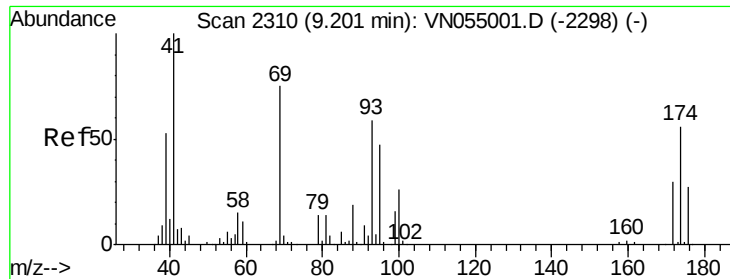
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

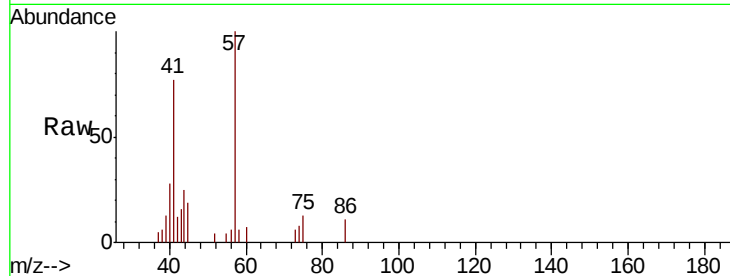




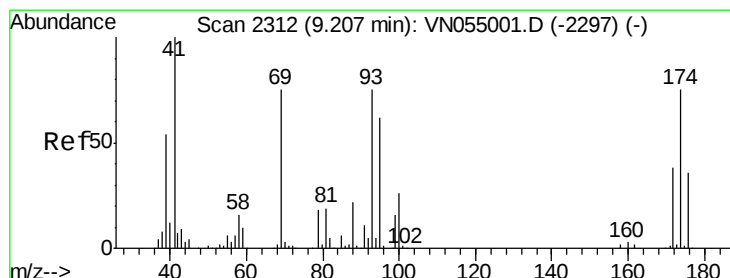
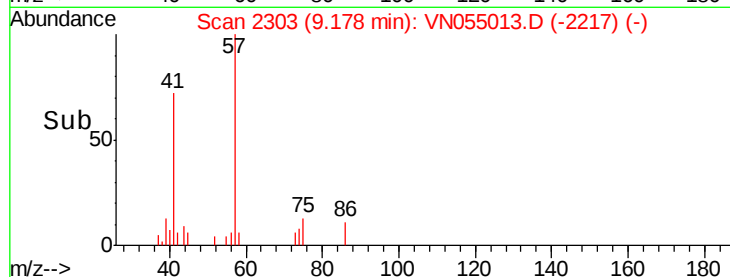
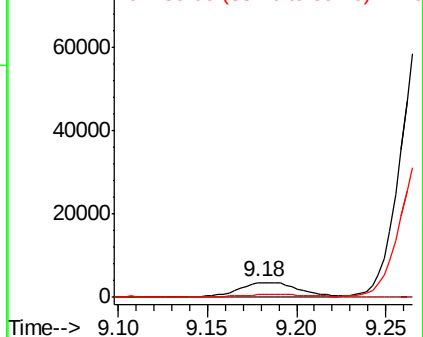
#48
Methvl methacrylate
Concen: 1.584 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 8508
Ion Ratio Lower Upper
41 100
69 0.0 60.5 90.7#
39 0.0 43.9 65.9#

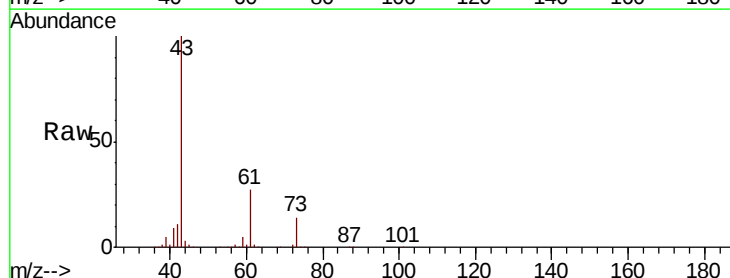


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

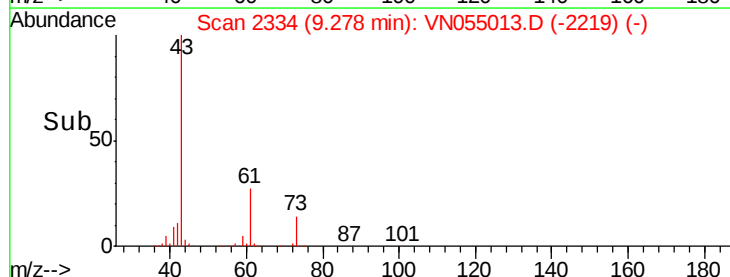
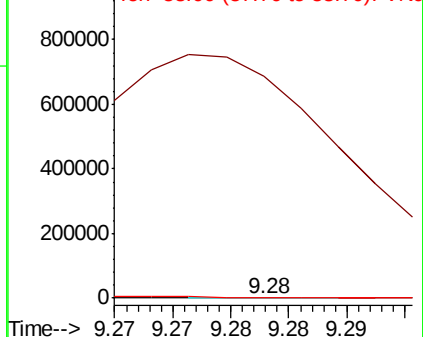


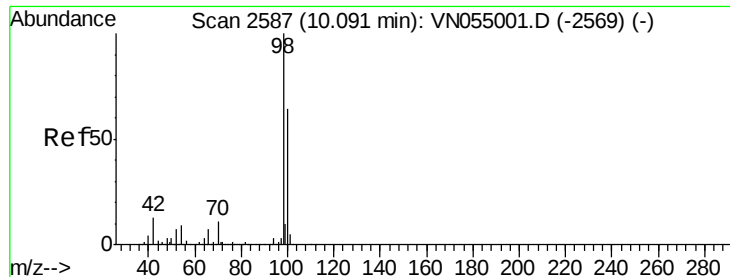
#49
1,4-Dioxane
Concen: 0.537 ug/l
RT: 9.28 min Scan# 2334
Delta R.T. 0.07 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 4479616.1 31.8 47.8#
58 20954.8 61.6 92.4#



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





#50

Toluene-d8

Concen: 50.885 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

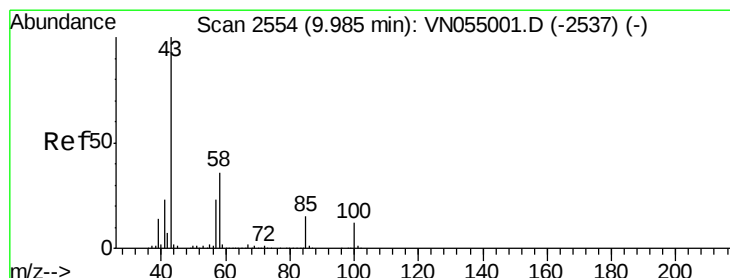
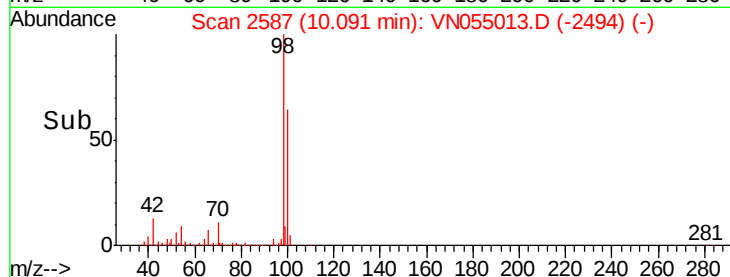
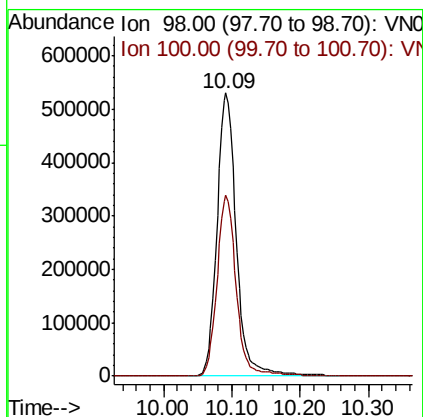
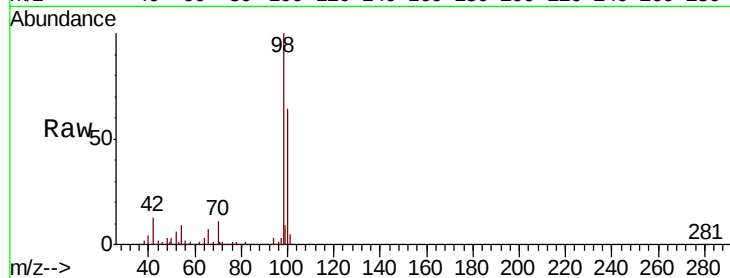
ClientSampleId :

Tot Ion: 98 Resp: 1046941

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.880 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055013.D

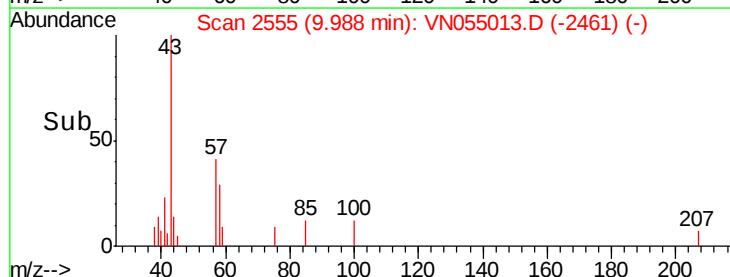
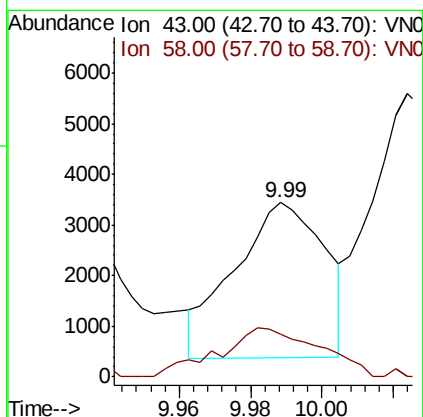
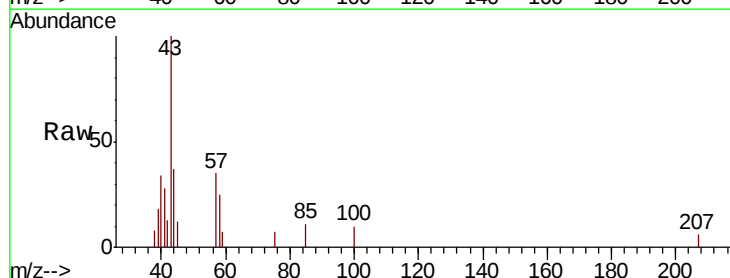
Acq: 12 Apr 2019 21:32

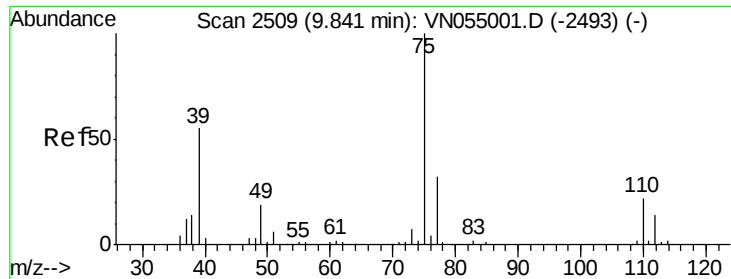
Tgt Ion: 43 Resp: 5373

Ion Ratio Lower Upper

43 100

58 35.2 29.0 43.4



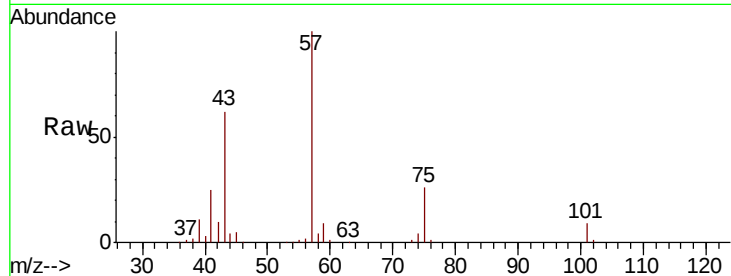


#54

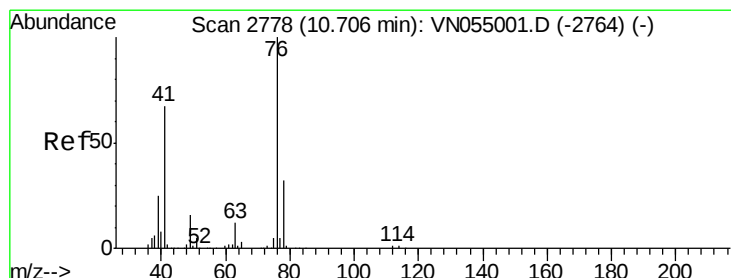
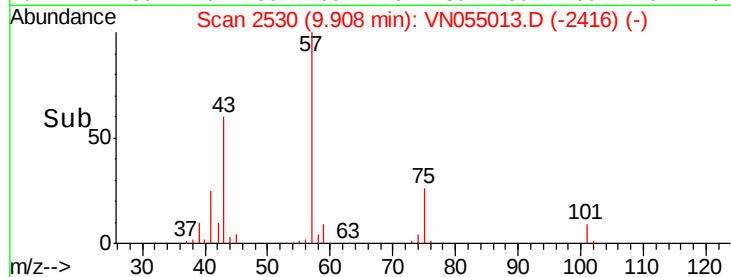
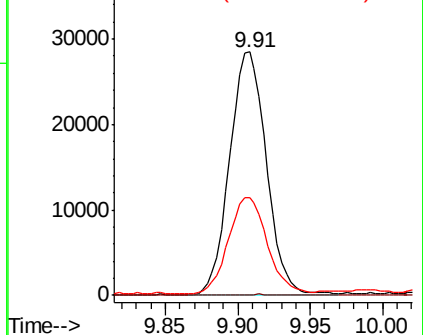
cis-1,3-Dichloropropene
 Concen: 5.600 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 50431
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 39.6 43.8 65.8#



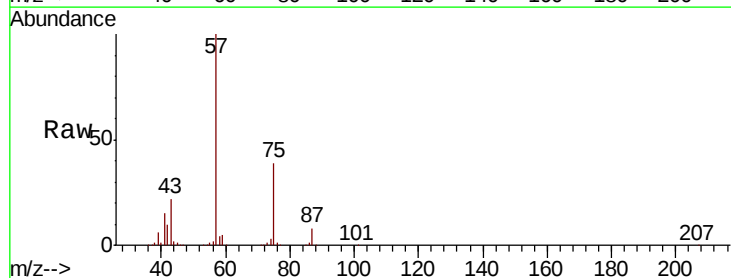
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



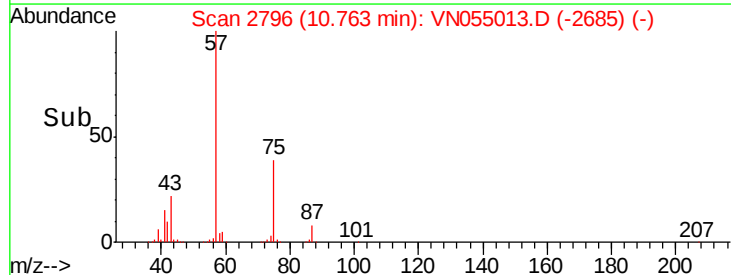
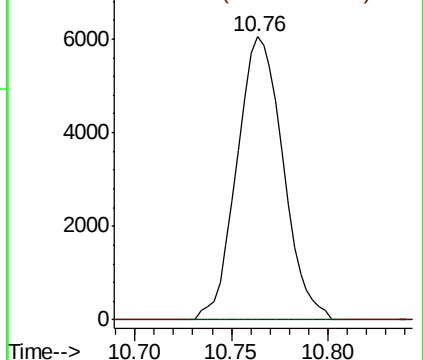
#57

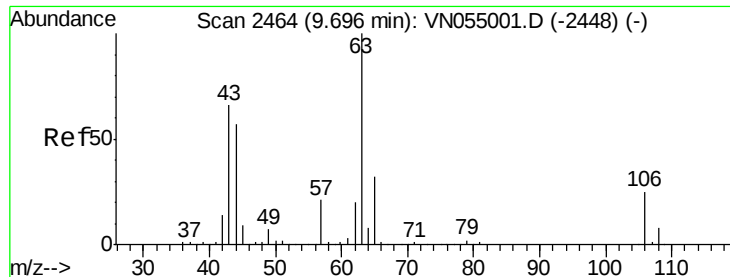
1,3-Dichloropropane
 Concen: 1.076 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Tgt Ion: 76 Resp: 10039
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

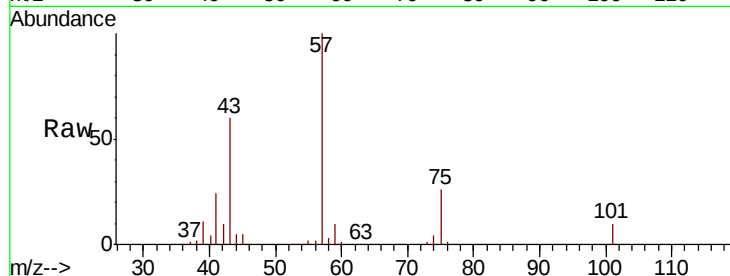




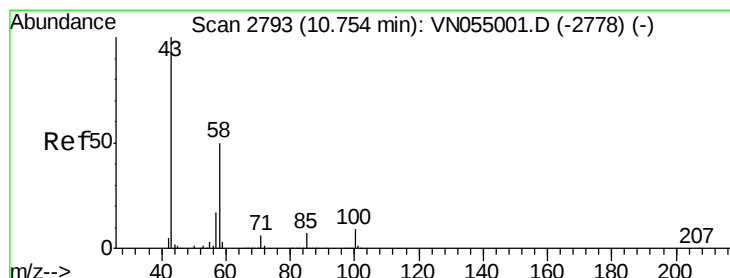
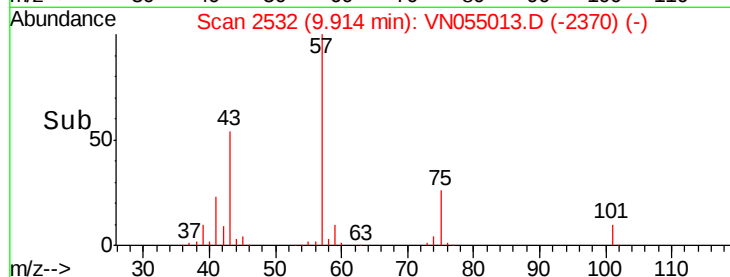
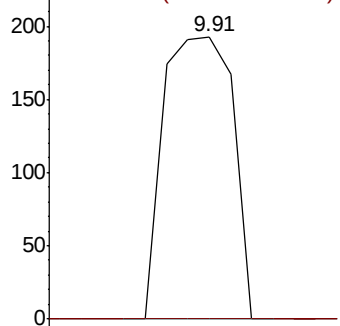
#58
 2-Chloroethyl Vinyl ether
 Concen: 18.244 ug/l
 RT: 9.91 min Scan# 2532
 Delta R.T. 0.22 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 140
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.0 30.0#

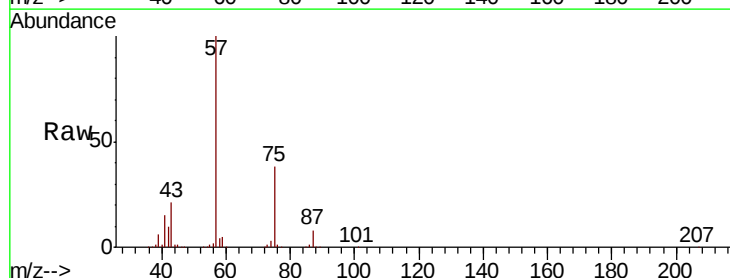


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 105.90 (105.60 to 106.60): V

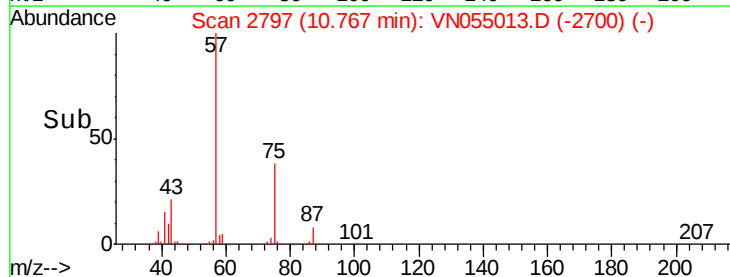
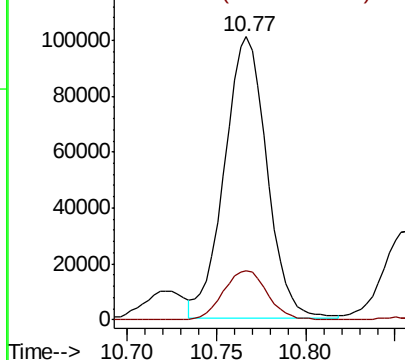


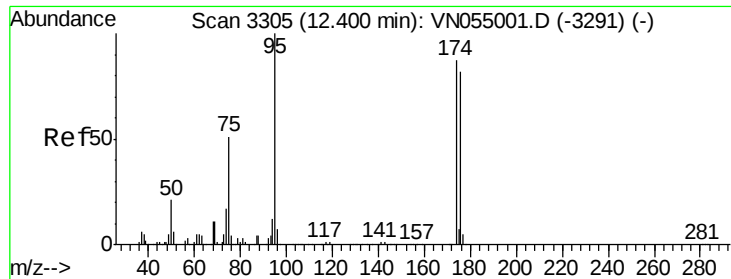
#59
 2-Hexanone
 Concen: 43.802 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Tgt Ion: 43 Resp: 167082
 Ion Ratio Lower Upper
 43 100
 58 18.4 25.1 75.2#



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





#62

4-Bromofluorobenzene

Concen: 44.206 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

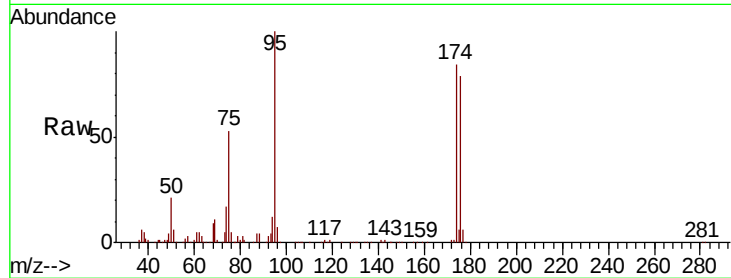
Tot Ion: 95 Resp: 306371

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.4

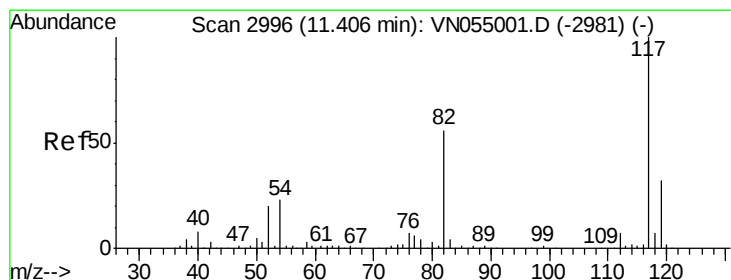
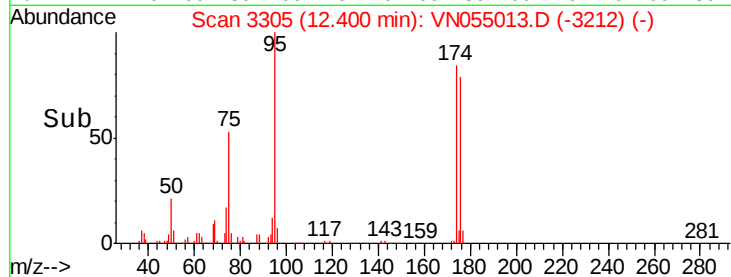
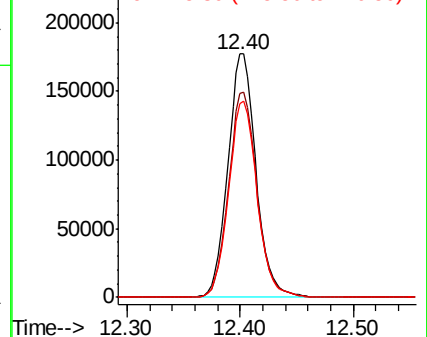
176 81.7 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055013.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055013.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055013.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

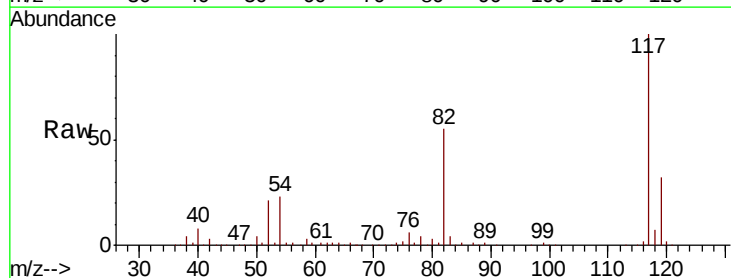
Tgt Ion: 117 Resp: 737393

Ion Ratio Lower Upper

117 100

82 55.4 44.6 66.8

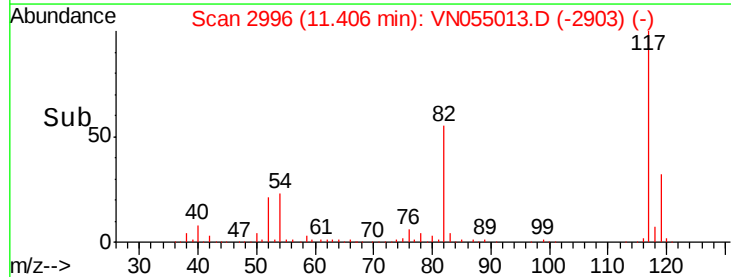
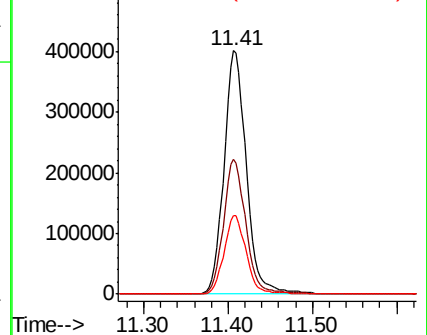
119 32.4 25.5 38.3

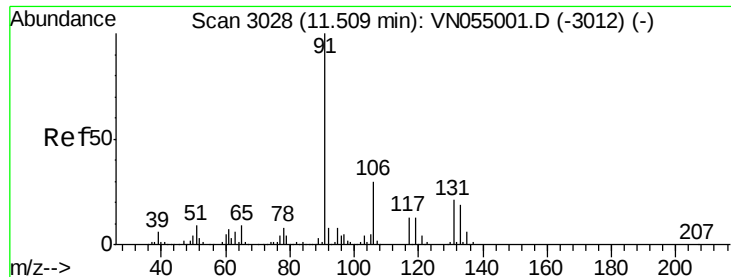


Abundance Ion 116.90 (116.60 to 117.60): VN055013.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055013.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055013.D (-2903) (-)





#67

Ethyl Benzene

Concen: 1.214 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

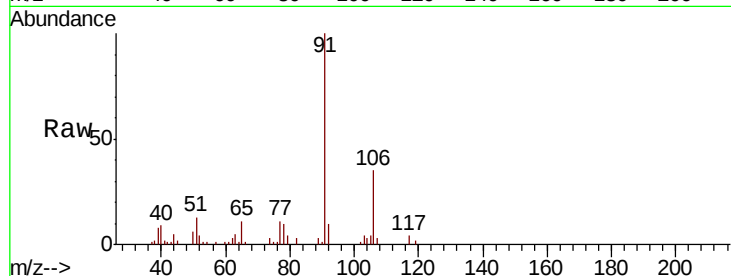
ClientSampled :

Tot Ion: 91 Resp: 31704

Ion Ratio Lower Upper

91 100

106 34.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

60000

50000

40000

30000

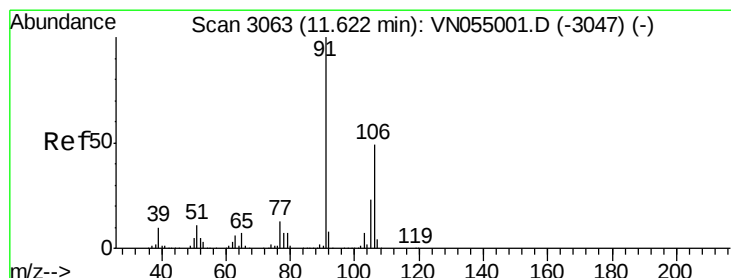
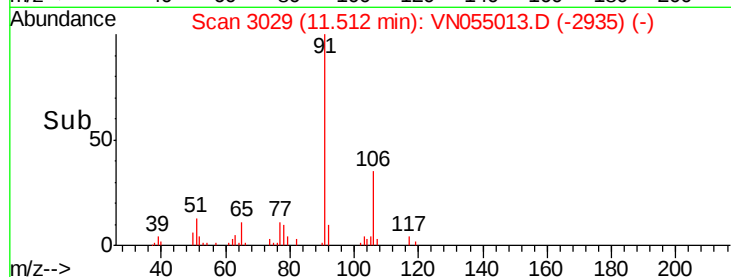
20000

10000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 5.456 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055013.D

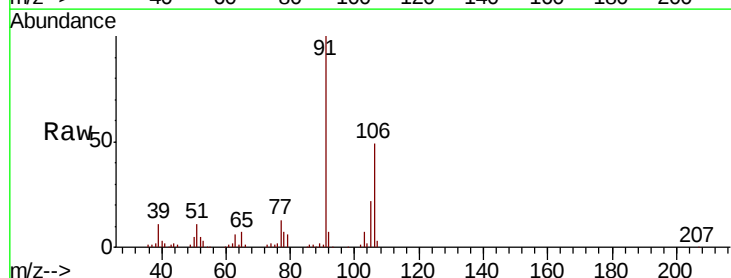
Acq: 12 Apr 2019 21:32

Tgt Ion:106 Resp: 52135

Ion Ratio Lower Upper

106 100

91 210.4 165.9 248.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

60000

50000

40000

30000

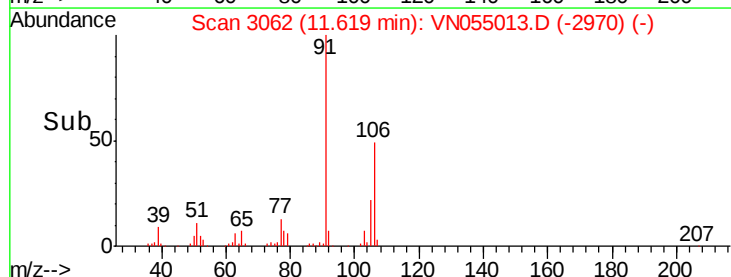
20000

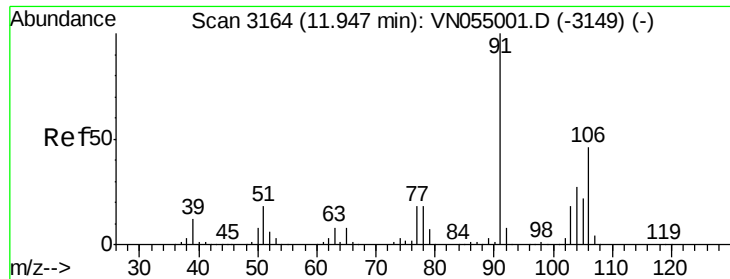
10000

0

11.55 11.60 11.65 11.70

Time-->

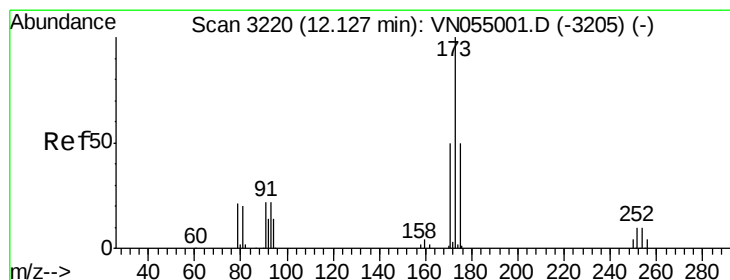
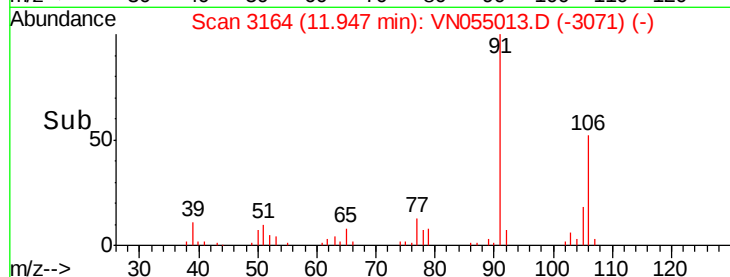
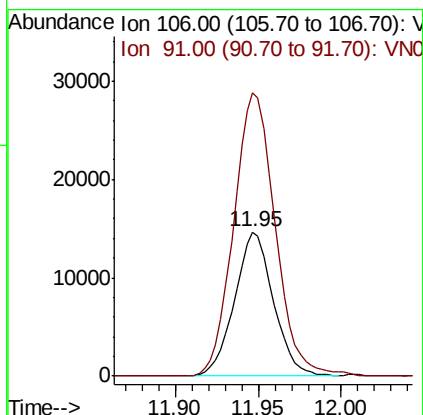
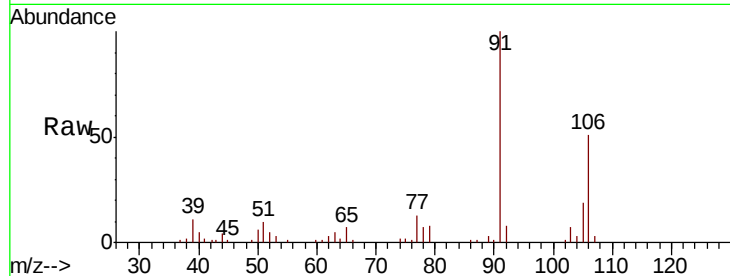




#69
o-Xylene
Concen: 2.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

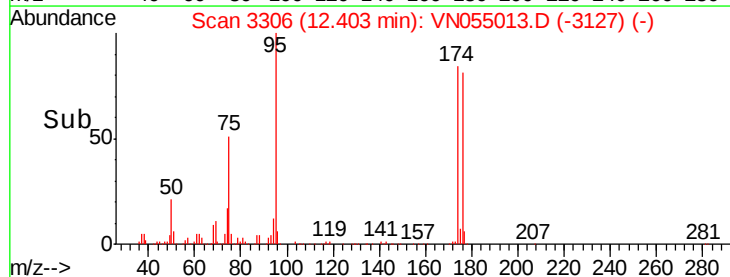
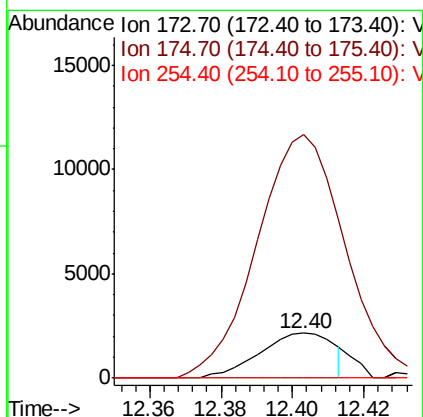
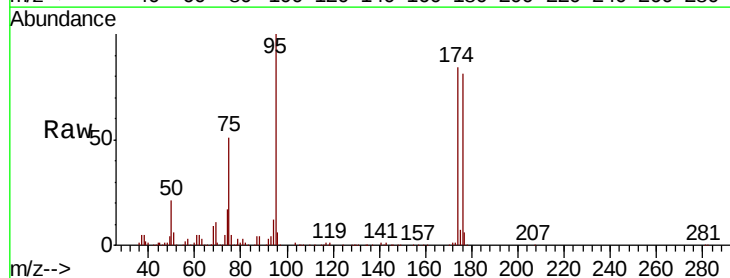
Instrument :
MSVOA_N
ClientSampled :

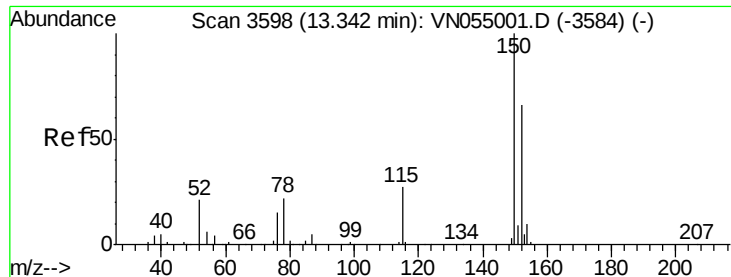
Tot Ion:106 Resp: 23853
Ion Ratio Lower Upper
106 100
91 210.5 109.9 329.8



#71
Bromoform
Concen: 3.405 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:173 Resp: 3107
Ion Ratio Lower Upper
173 100
175 546.3 24.3 73.0#
254 0.0 0.1 0.1#



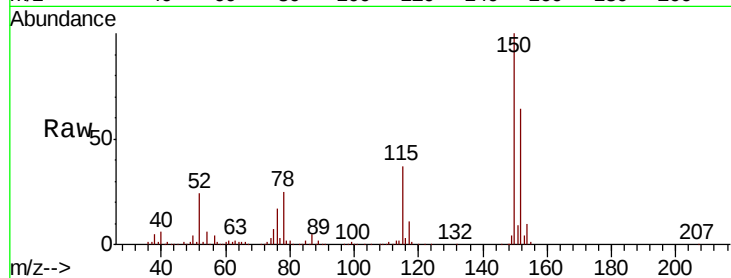


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.5	85.6
150	155.4	0.0	347.2

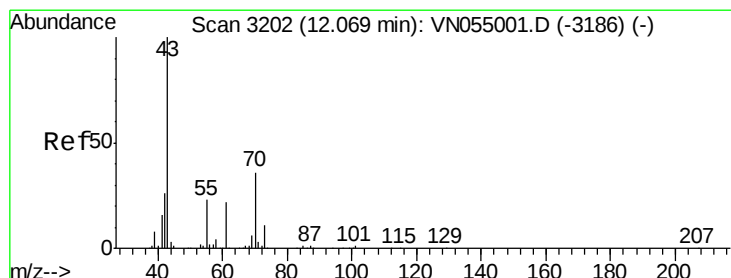
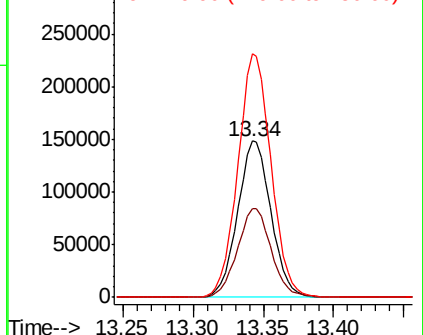
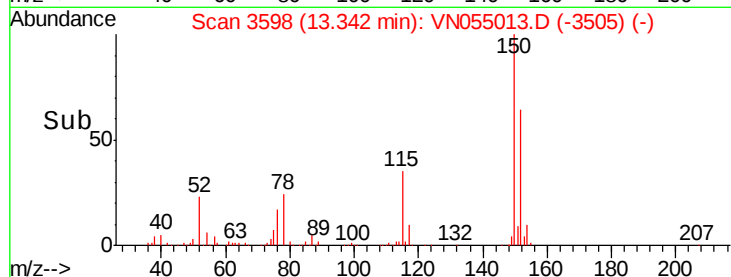


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

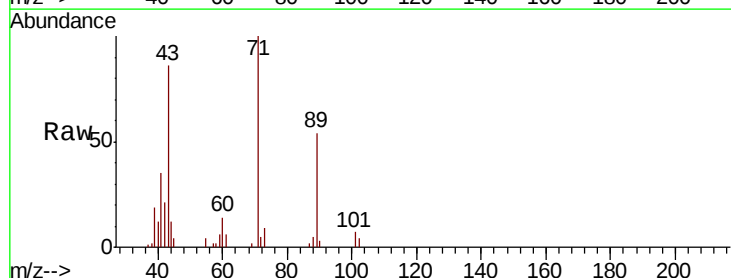
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 2.709 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.2	29.4	44.0#
55	4.9	19.0	28.4#
61	8.9	17.7	26.5#



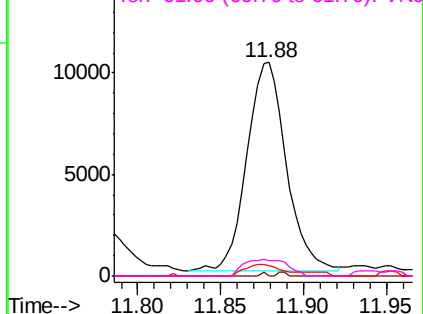
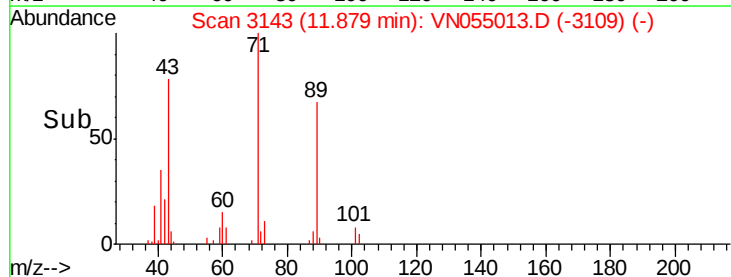
Abundance

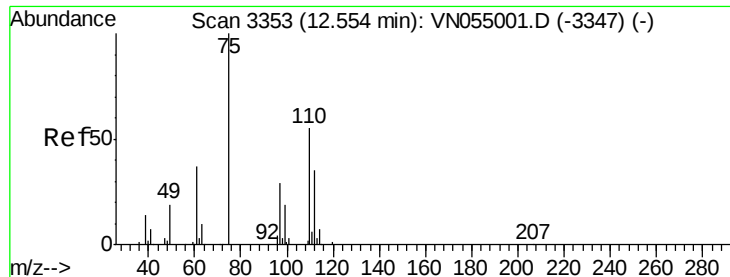
Ion 43.00 (42.70 to 43.70): V

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: 34.781 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

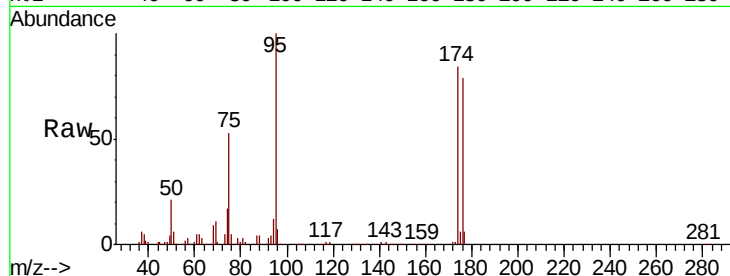
ClientSampleId :

Tot Ion: 75 Resp: 156863

Ion Ratio Lower Upper

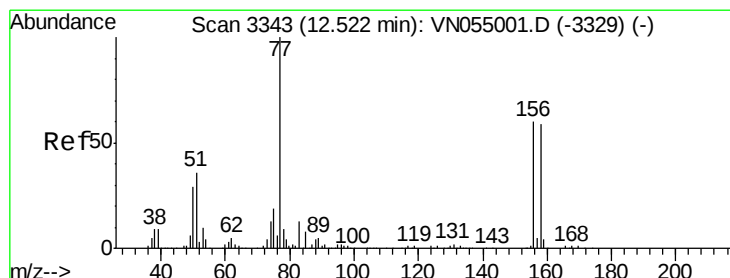
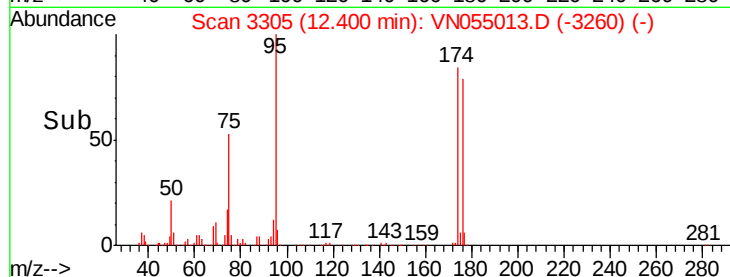
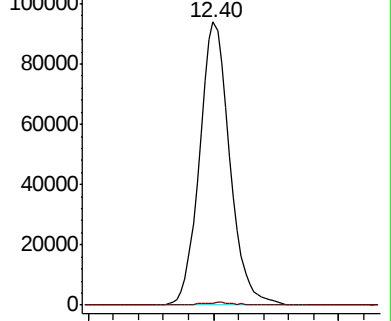
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

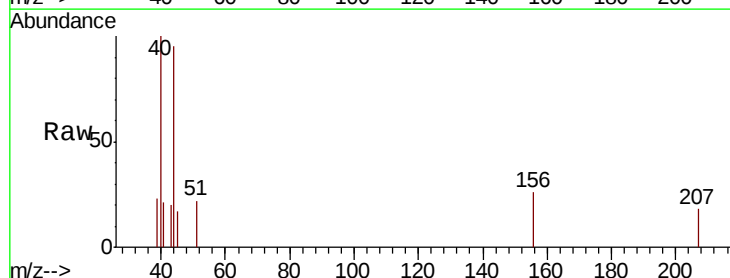
Tgt Ion: 156 Resp: 240

Ion Ratio Lower Upper

156 100

77 0.0 97.2 291.5#

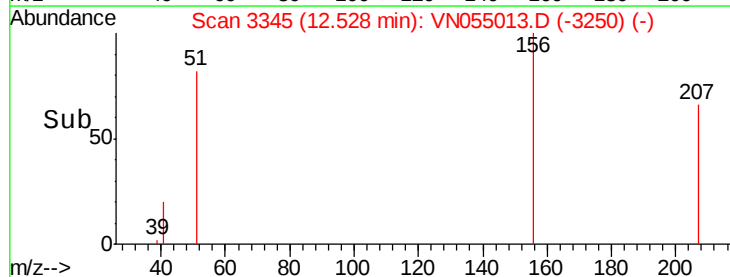
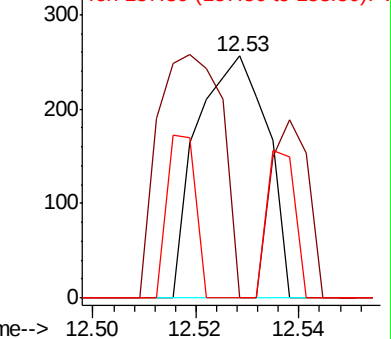
158 24.6 48.6 145.9#

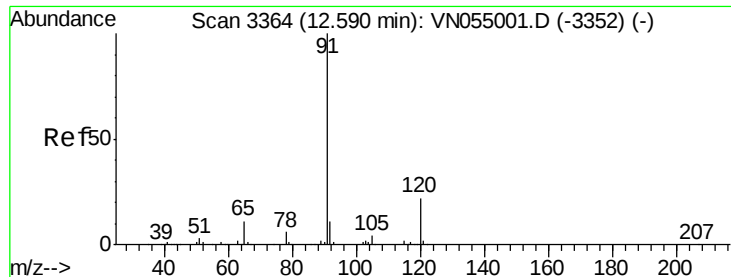


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.387 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

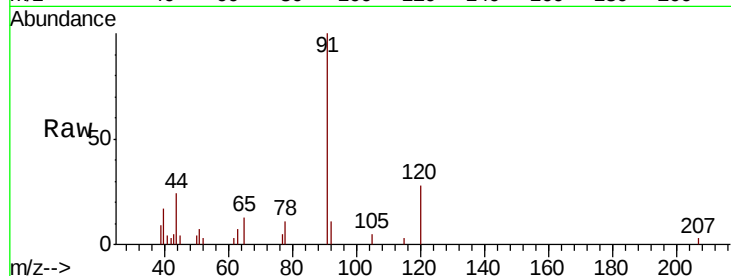
ClientSampled :

Tot Ion: 91 Resp: 8784

Ion Ratio Lower Upper

91 100

120 26.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055001.D (-3352) (-)

8000

6000

4000

2000

0

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

15.80

15.85

15.90

15.95

16.00

16.05

16.10

16.15

16.20

16.25

16.30

16.35

16.40

16.45

16.50

16.55

16.60

16.65

16.70

16.75

16.80

16.85

16.90

16.95

17.00

17.05

17.10

17.15

17.20

17.25

17.30

17.35

17.40

17.45

17.50

17.55

17.60

17.65

17.70

17.75

17.80

17.85

17.90

17.95

18.00

18.05

18.10

18.15

18.20

18.25

18.30

18.35

18.40

18.45

18.50

18.55

18.60

18.65

18.70

18.75

18.80

18.85

18.90

18.95

19.00

19.05

19.10

19.15

19.20

19.25

19.30

19.35

19.40

19.45

19.50

19.55

19.60

19.65

19.70

19.75

19.80

19.85

19.90

19.95

20.00

20.05

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20.15

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20.40

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20.50

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20.60

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20.70

20.75

20.80

20.85

20.90

20.95

21.00

21.05

21.10

21.15

21.20

21.25

21.30

21.35

21.40

21.45

21.50

21.55

21.60

21.65

21.70

21.75

21.80

21.85

21.90

21.95

22.00

22.05

22.10

22.15

22.20

22.25

22.30

22.35

22.40

22.45

22.50

22.55

22.60

22.65

22.70

22.75

22.80

22.85

22.90

22.95

23.00

23.05

23.10

23.15

23.20

23.25

23.30

23.35

23.40

23.45

23.50

23.55

23.60

23.65

23.70

23.75

23.80

23.85

23.90

23.95

24.00

24.05

24.10

24.15

24.20

24.25

24.30

24.35

24.40

24.45

24.50

24.55

24.60

24.65

24.70

24.75

24.80

24.85

24.90

24.95

25.00

25.05

25.10

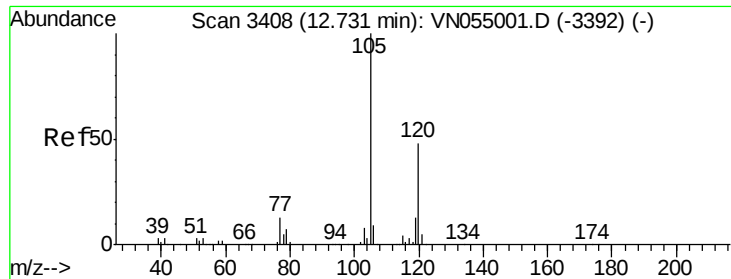
25.15

25.20

25.25

25.30

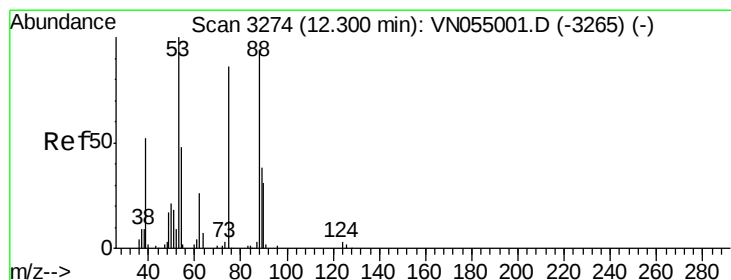
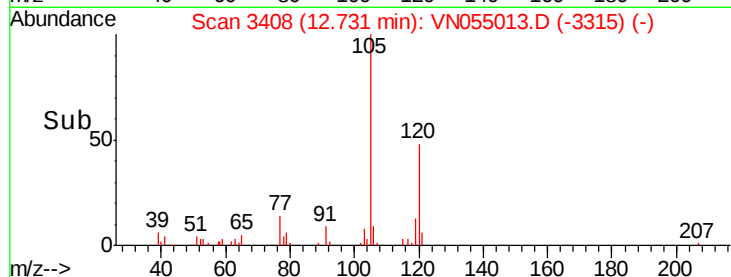
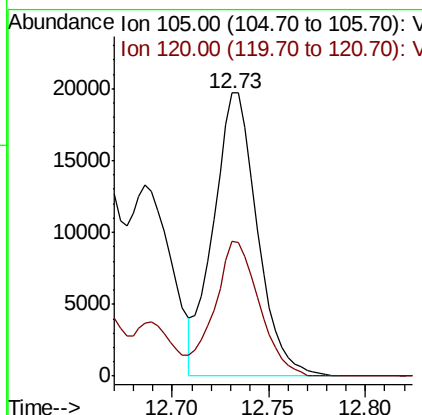
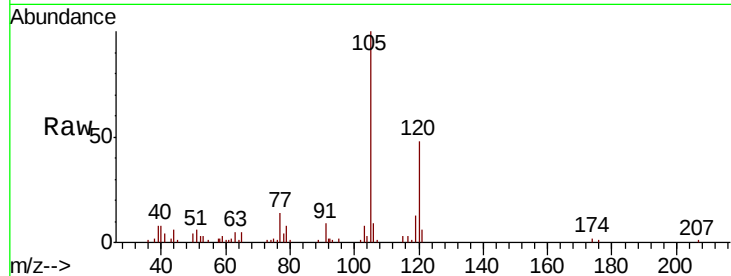
25.35



#80
 1,3,5-Trimethylbenzene
 Concen: 1.839 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

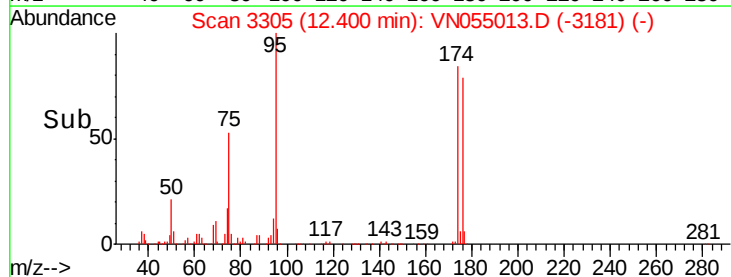
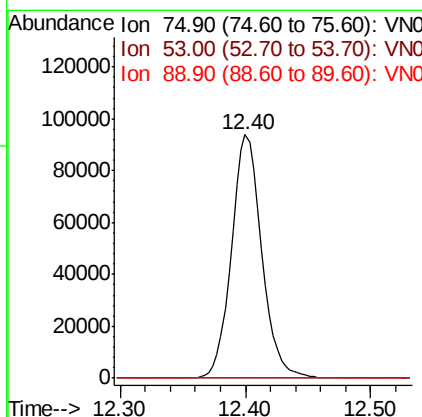
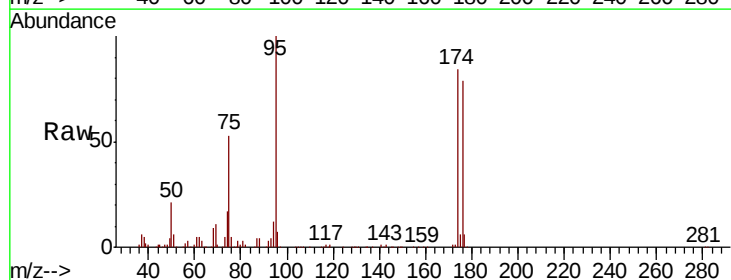
Instrument :
 MSVOA_N
 ClientSampleId :

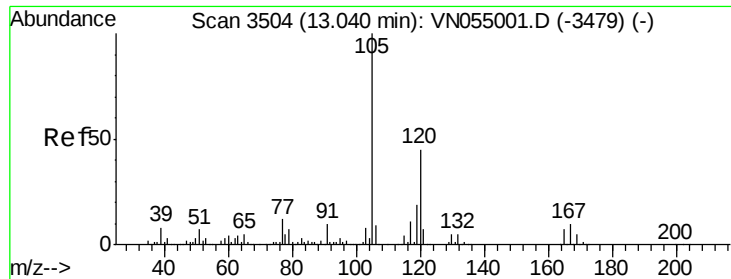
Tot Ion:105 Resp: 31202
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.559 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Tgt Ion: 75 Resp: 156863
 Ion Ratio Lower Upper
 75 100
 53 0.0 96.3 144.5#
 89 0.0 38.6 57.8#

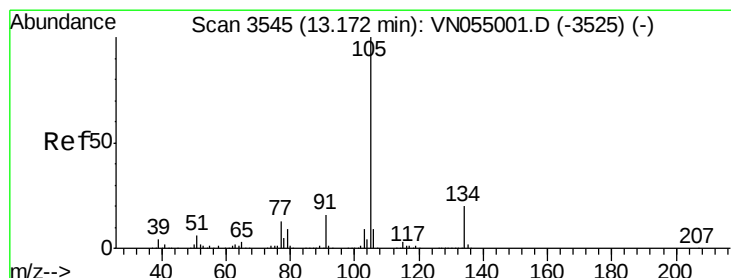
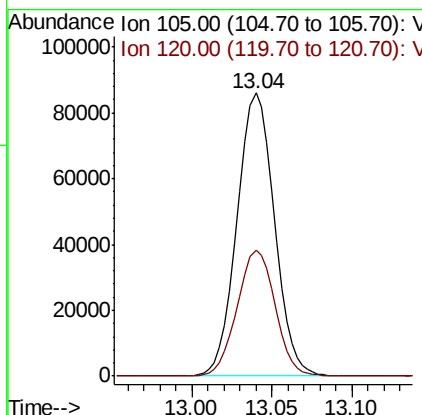
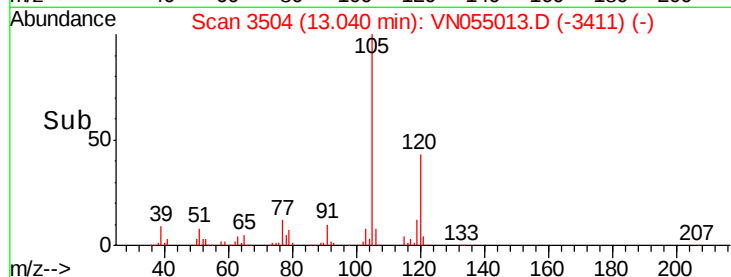
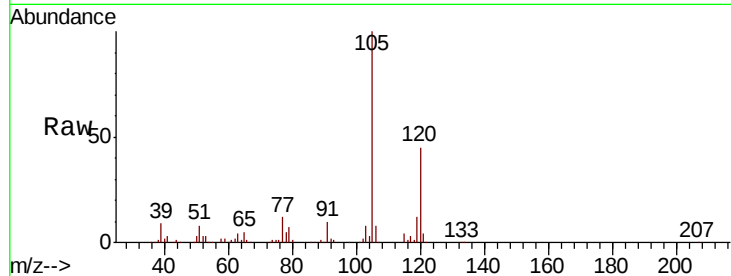




#84
 1,2,4-Trimethylbenzene
 Concen: 8.422 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

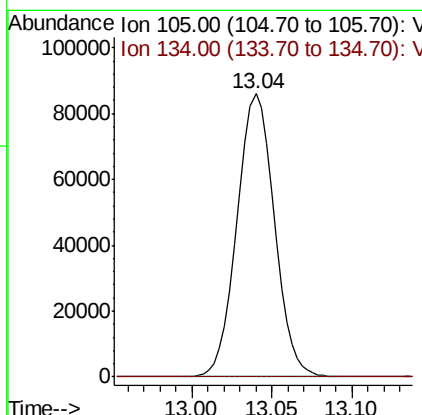
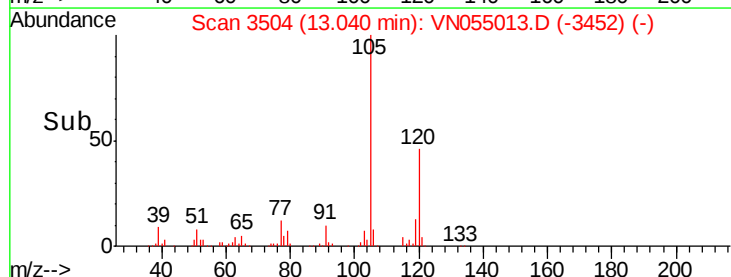
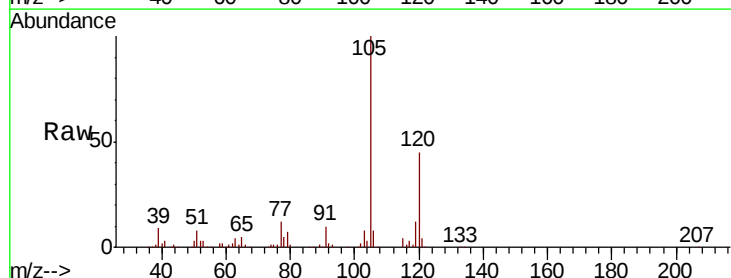
Instrument :
 MSVOA_N
 ClientSampled :

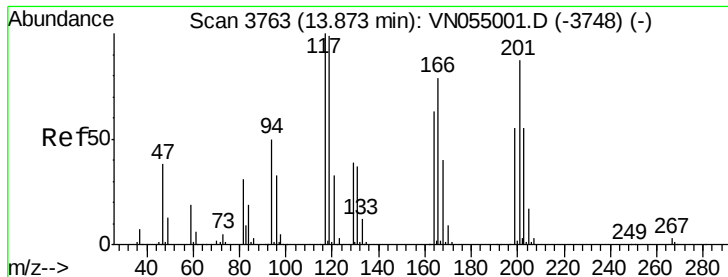
Tot Ion:105 Resp: 137017
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 7.383 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN055013.D
 Acq: 12 Apr 2019 21:32

Tgt Ion:105 Resp: 137017
 Ion Ratio Lower Upper
 105 100
 134 0.2 9.8 29.3#





#90

Hexachloroethane

Concen: 0.292 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

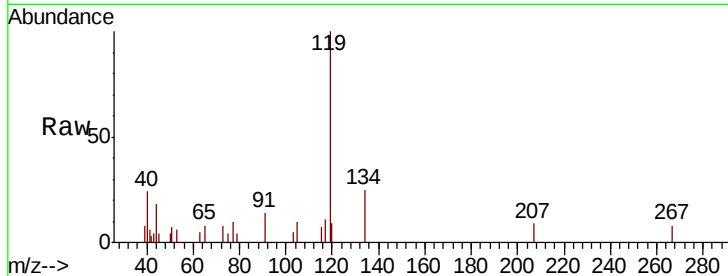
ClientSampleId :

Tot Ion:117 Resp: 778

Ion Ratio Lower Upper

117 100

201 0.0 43.4 130.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

500

400

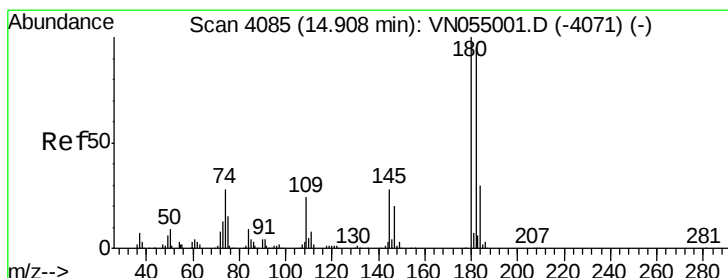
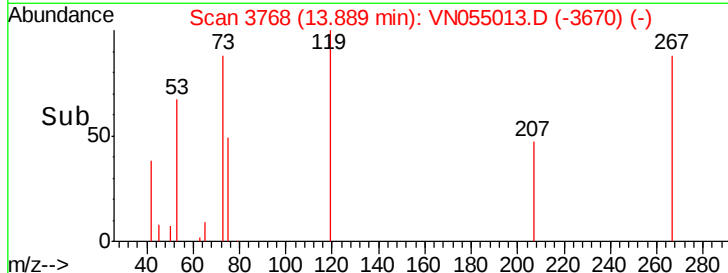
300

200

100

0

Time--> 13.85 13.90



#93

1,2,4-Trichlorobenzene

Concen: 3.776 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

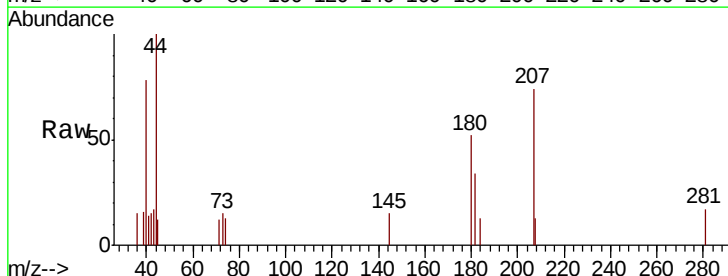
Tgt Ion:180 Resp: 1058

Ion Ratio Lower Upper

180 100

182 71.5 47.5 142.6

145 14.7 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

14.91

800

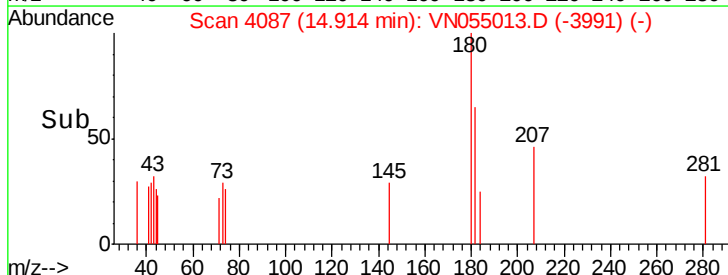
600

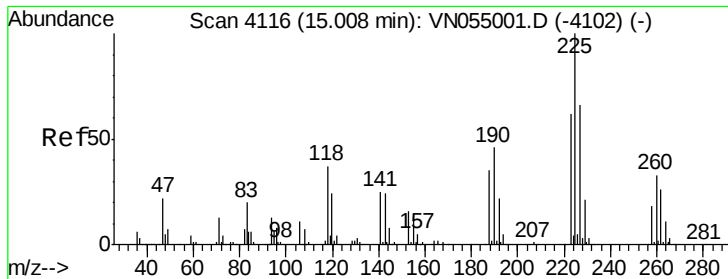
400

200

0

Time--> 14.90 14.95





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055013.D

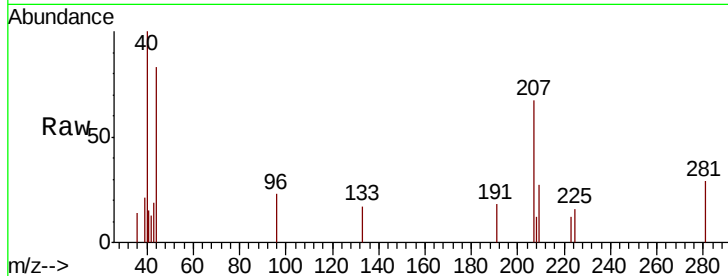
Acq: 12 Apr 2019 21:32

Instrument :

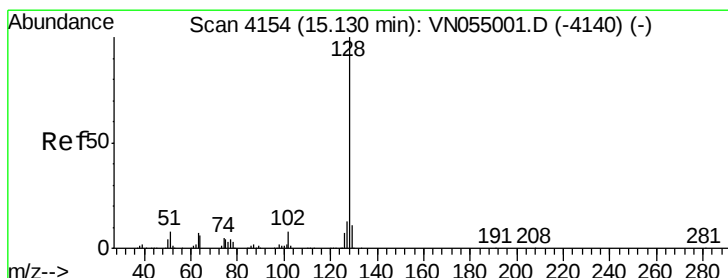
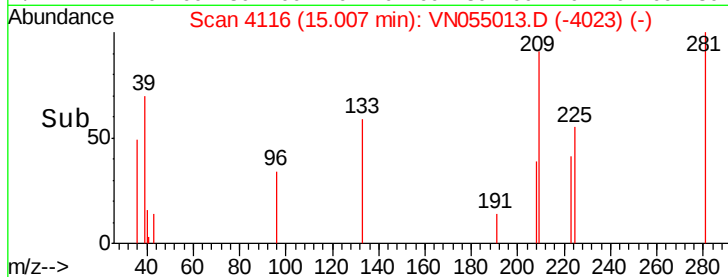
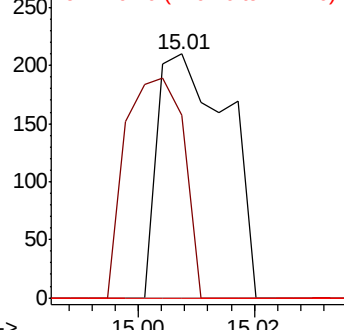
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	175
Ion	Ratio	Lower	Upper
225	100		
223	75.4	31.4	94.0
227	0.0	32.6	97.7#



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



#95

Naphthalene

Concen: 6.133 ug/l

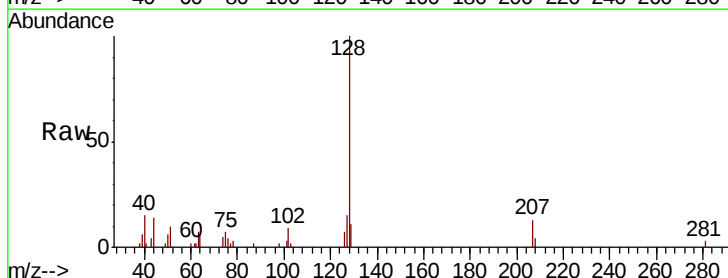
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Tgt Ion:	128	Resp:	15059
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.5	8.8	13.2



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

