

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055508.D
 Acq On : 9 May 2019 19:49
 Operator : JC/SP
 Sample : K2727-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWS-3

Quant Time: May 10 04:17:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	959538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1649430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1397535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	489391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	659859	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
35) Dibromofluoromethane	7.59	113	510191	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.09	98	2019219	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	619141	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	1601	0.217	ug/l	73
11) Tert butyl alcohol	4.81	59	1691	0.793	ug/l #	88
13) Acrolein	3.61	56	812	0.571	ug/l #	14
14) Allyl chloride	4.55	41	72355	3.368	ug/l #	28
16) Acetone	3.82	43	453274	67.758	ug/l	99
17) Carbon Disulfide	4.05	76	21807	0.762	ug/l	100
18) Methyl Acetate	4.33	43	11194	Below Cal		97
20) Methylene Chloride	4.55	84	1710391	125.037	ug/l	99
25) 2-Butanone	6.84	43	220612	23.874	ug/l	99
29) Tetrahydrofuran	7.23	42	5871	0.961	ug/l #	90
31) Cyclohexane	7.66	56	21238	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	76504	4.708	ug/l #	50
37) Ethyl Acetate	6.84	43	220612	12.446	ug/l #	70
38) Carbon Tetrachloride	7.67	117	92746	6.778	ug/l #	15
41) Methacrylonitrile	7.22	41	5427	0.660	ug/l #	39
43) Isopropyl Acetate	8.17	43	10936	0.406	ug/l #	93
48) Methyl methacrylate	9.18	41	27183	2.095	ug/l #	28
51) 4-Methyl-2-Pentanone	9.99	43	366149	20.673	ug/l	99
52) Toluene	10.16	92	2823815	97.940	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	31477	2.048	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	90354	4.920	ug/l #	68
56) Ethyl methacrylate	10.36	69	16089	0.926	ug/l #	52
57) 1,3-Dichloropropane	10.77	76	14676	0.708	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.91	63	286	12.558	ug/l #	52
59) 2-Hexanone	10.76	43	218648	17.603	ug/l #	58
67) Ethyl Benzene	11.51	91	30311	0.561	ug/l	98
68) m/p-Xylenes	11.62	106	28361	1.463	ug/l	100
69) o-Xylene	11.95	106	20144	1.058	ug/l	90
73) Isopropylbenzene	12.25	105	10218	Below Cal		87
74) N-amyl acetate	12.03	43	20239	1.089	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.57	83	213	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	309739	23.249	ug/l #	100
78) n-propylbenzene	12.59	91	17947	0.342	ug/l	90
79) 2-Chlorotoluene	12.65	91	8517	0.260	ug/l #	43

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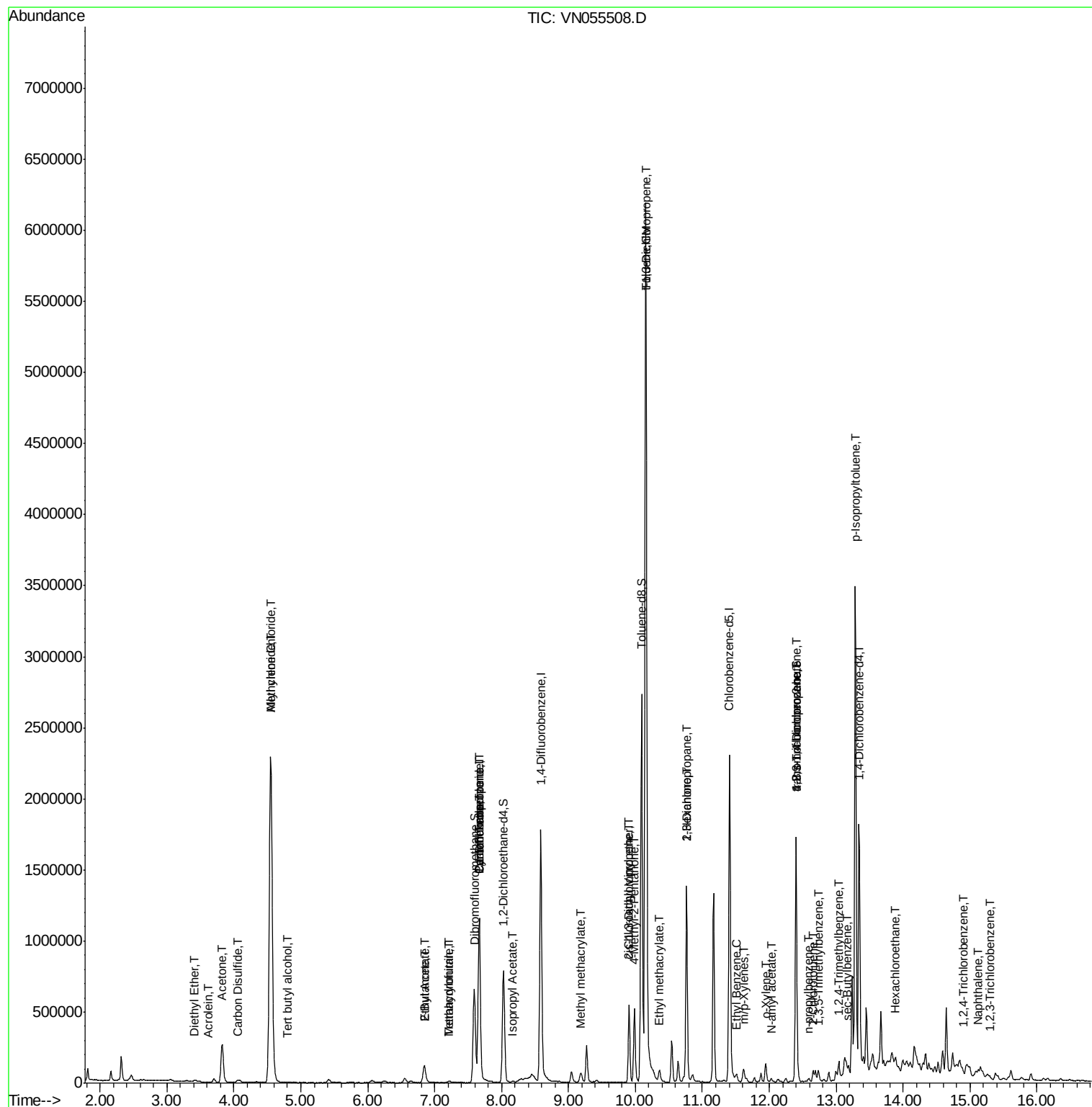
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	24554	0.627	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	309739	85.784	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	78045	2.174	ug/l	97
85) sec-Butylbenzene	13.17	105	13026	0.292	ug/l #	58
86) p-Isopropyltoluene	13.29	119	1983734	54.669	ug/l	100
90) Hexachloroethane	13.89	117	2234	0.377	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.91	180	478	3.267	ug/l	72
94) Hexachlorobutadiene	15.01	225	139	Below Cal	#	46
95) Naphthalene	15.13	128	14483	3.605	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	330	2.463	ug/l #	1

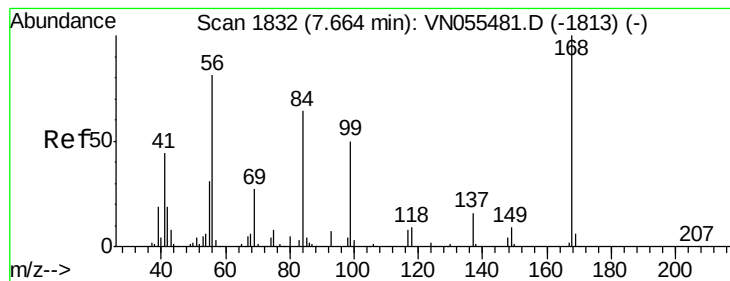
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

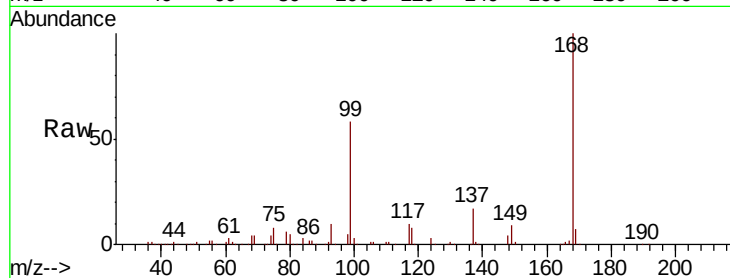
OWS-3

Tot Ion:168 Resp: 959538

Ion Ratio Lower Upper

168 100

99 57.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055508.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055508.D (-1739) (-)

7.67

400000

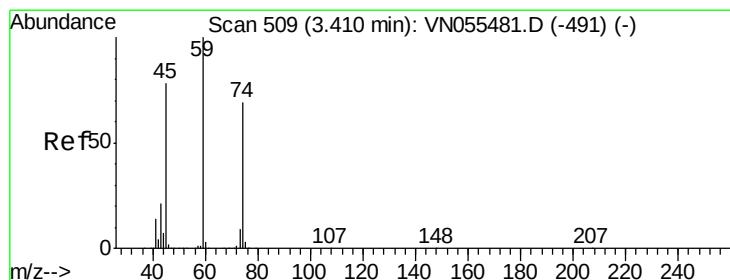
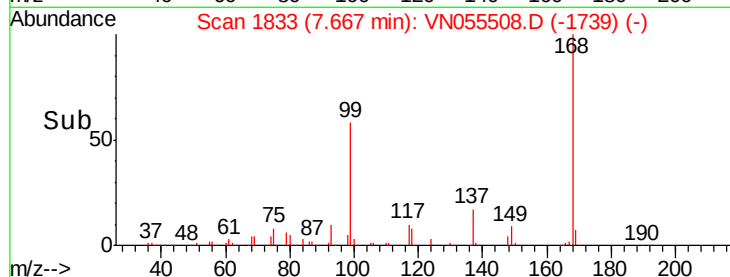
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.217 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN055508.D

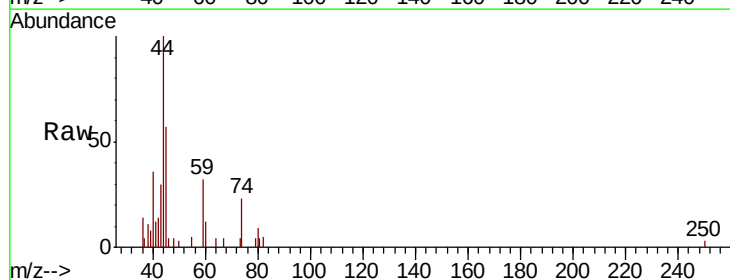
Acq: 9 May 2019 19:49

Tgt Ion: 74 Resp: 1601

Ion Ratio Lower Upper

74 100

45 145.2 58.1 174.3



Abundance Ion 74.00 (73.70 to 74.70): VN055508.D (-416) (-)

Ion 45.00 (44.70 to 45.70): VN055508.D (-416) (-)

3000

2500

2000

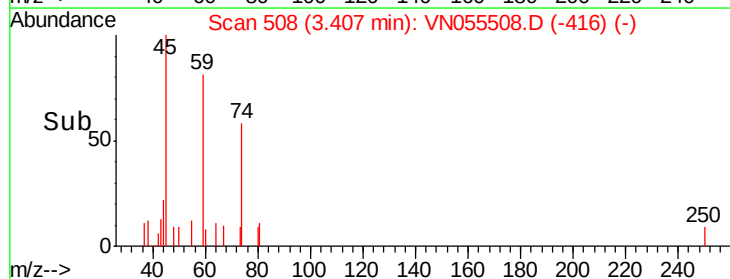
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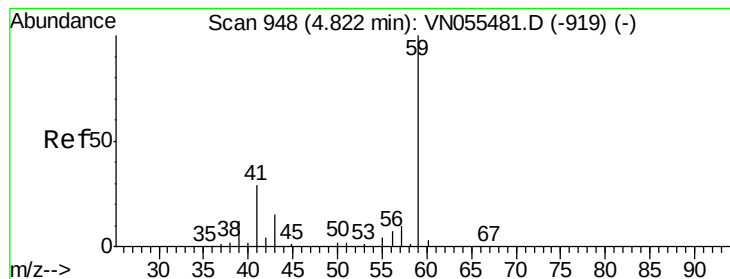
1000

500

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Time-->



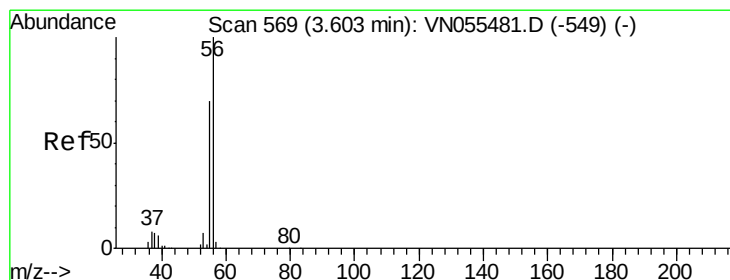
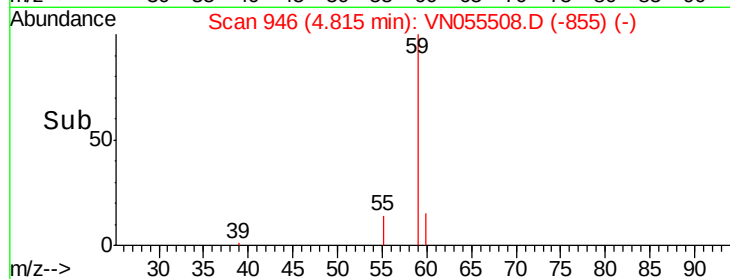
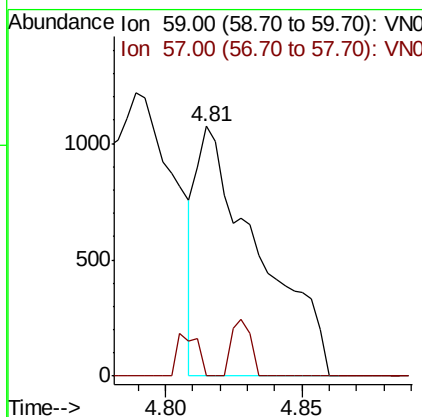
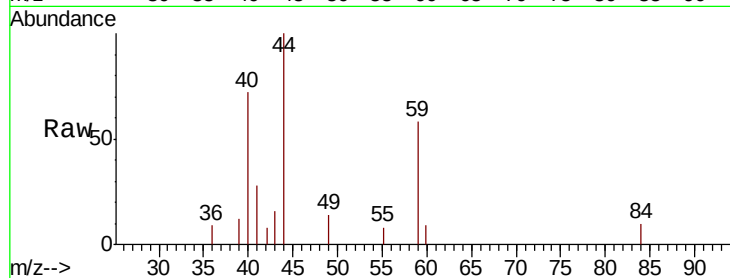


#11

Tert butyl alcohol
 Concen: 0.793 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Instrument :
 MSVOA_N
 ClientSampled :
 OWS-3

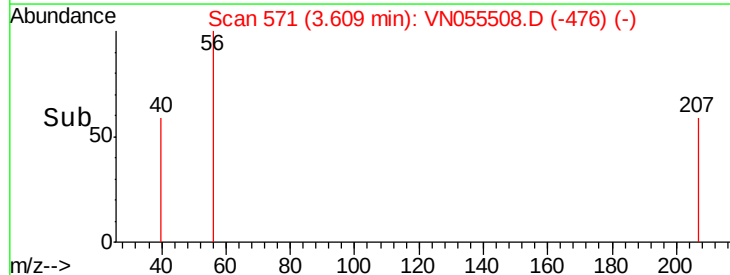
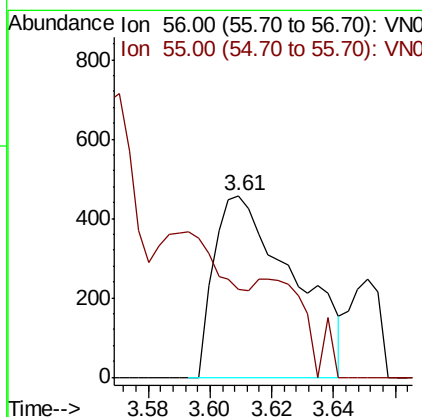
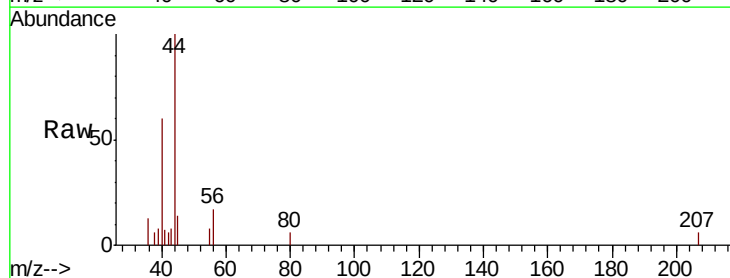
Tot Ion: 59 Resp: 1691
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.0 12.0#

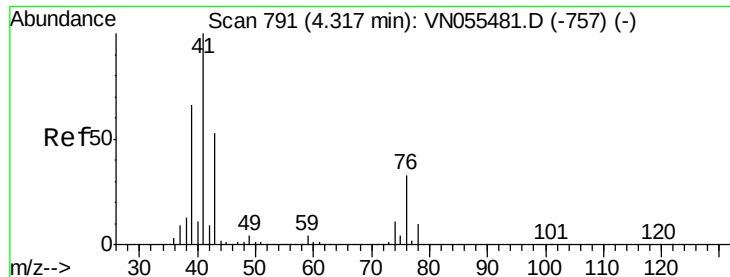


#13

Acrolein
 Concen: 0.571 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion: 56 Resp: 812
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.7 86.5#

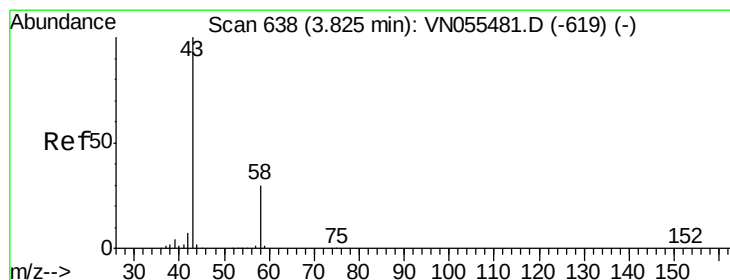
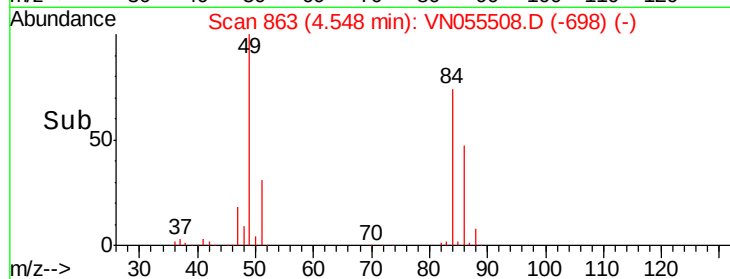
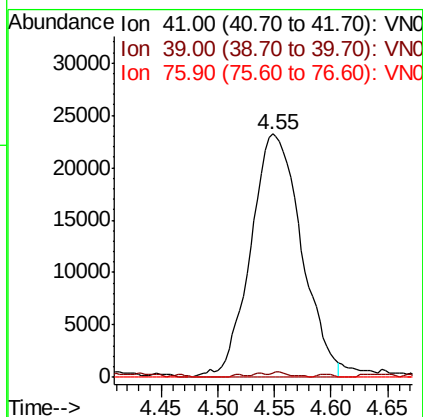
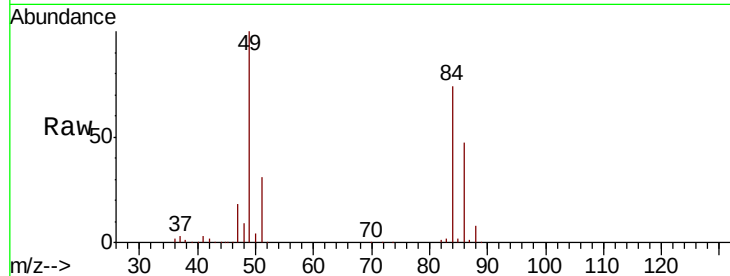




#14
Allvl chloride
Concen: 3.368 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.23 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

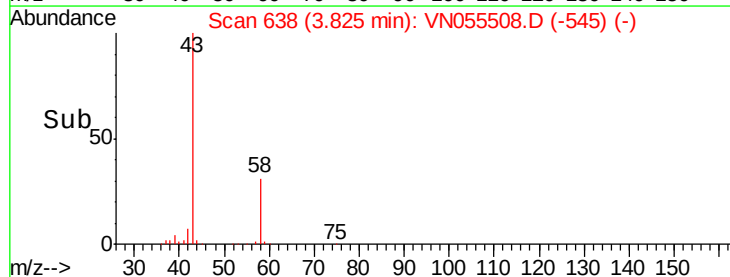
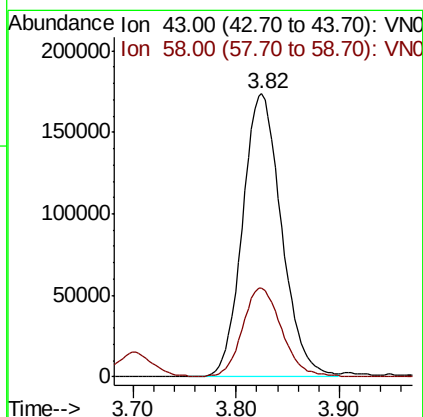
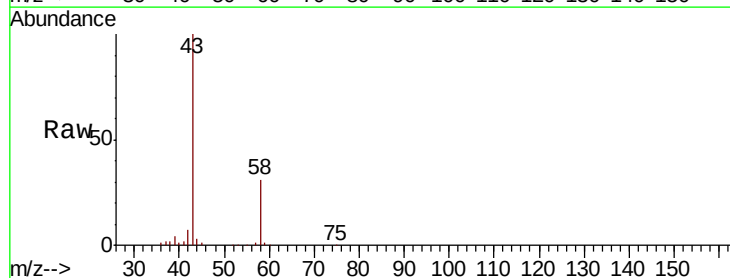
Instrument :
MSVOA_N
ClientSampleId :
OWS-3

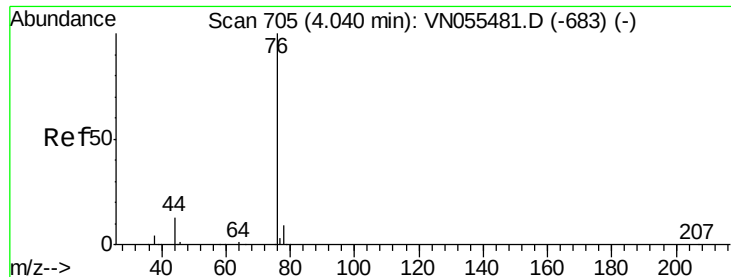
Tot Ion: 41 Resp: 72355
Ion Ratio Lower Upper
41 100
39 0.9 49.8 74.8#
76 0.0 23.5 35.3#



#16
Acetone
Concen: 67.758 ug/l
RT: 3.82 min Scan# 638
Delta R.T. -0.00 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion: 43 Resp: 453274
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.2





#17

Carbon Disulfide

Concen: 0.762 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampleId :

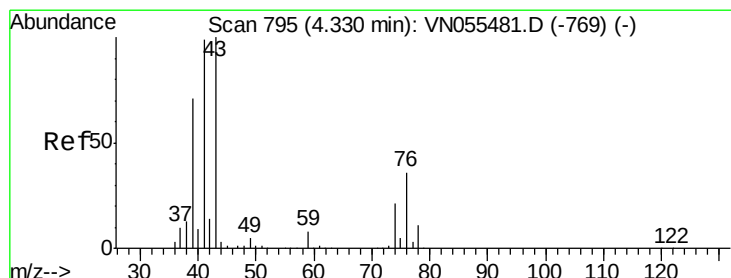
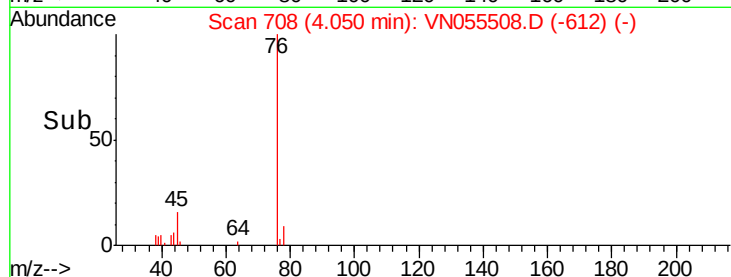
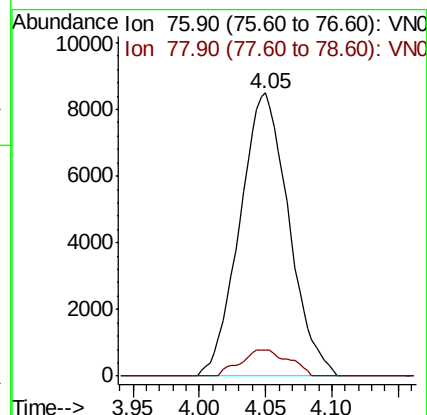
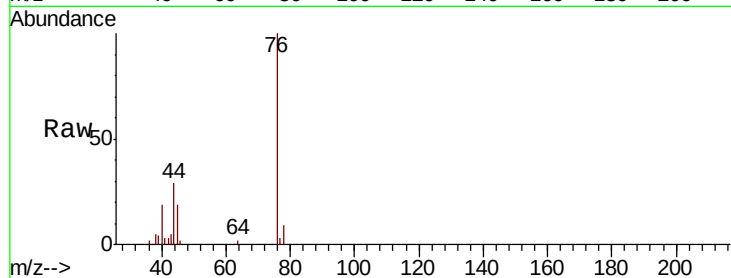
OVS-3

Tot Ion: 76 Resp: 21807

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055508.D

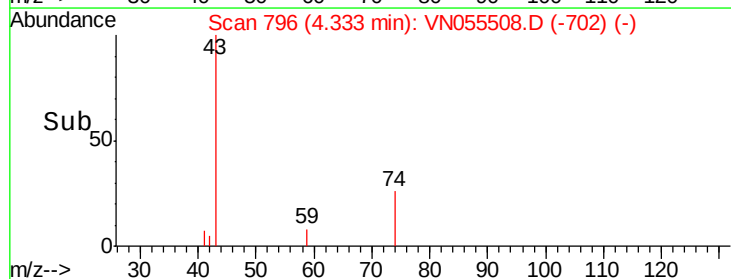
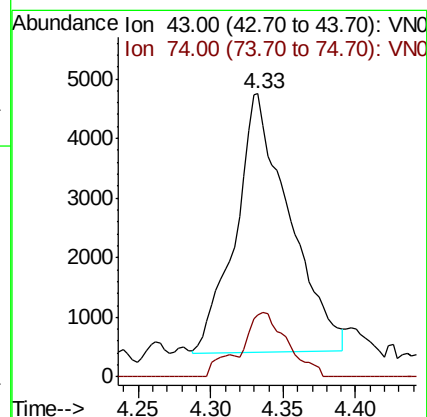
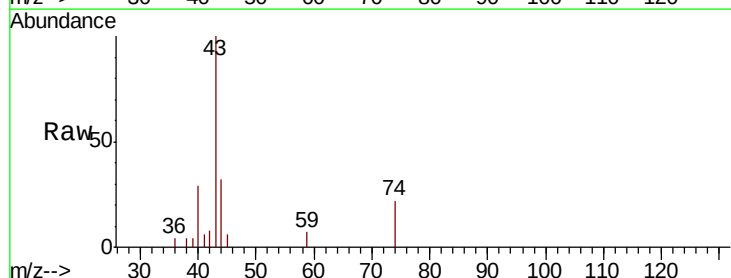
Acq: 9 May 2019 19:49

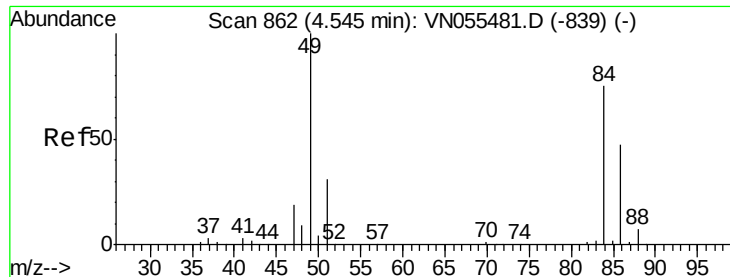
Tgt Ion: 43 Resp: 11194

Ion Ratio Lower Upper

43 100

74 21.9 16.3 24.5



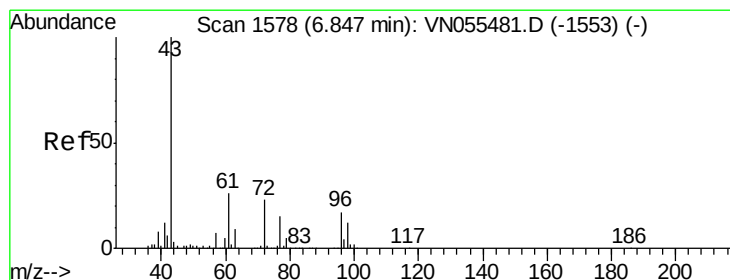
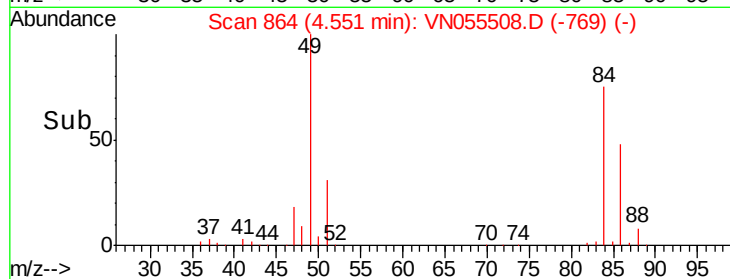
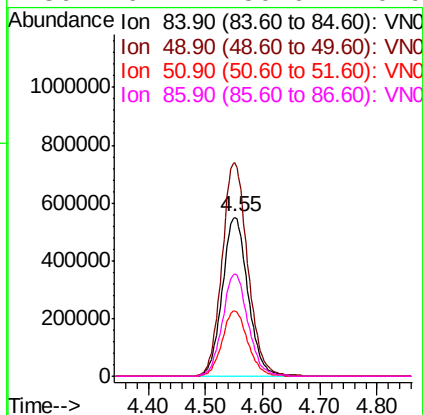
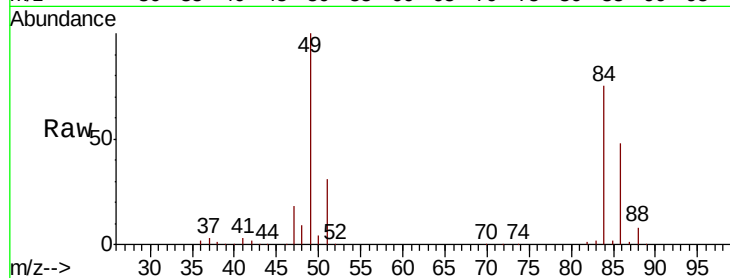


#20
Methvlene Chloride
Concen: 125.037 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Instrument :
MSVOA_N
ClientSampled :
OWS-3

Tot Ion: 84 Resp: 1710391

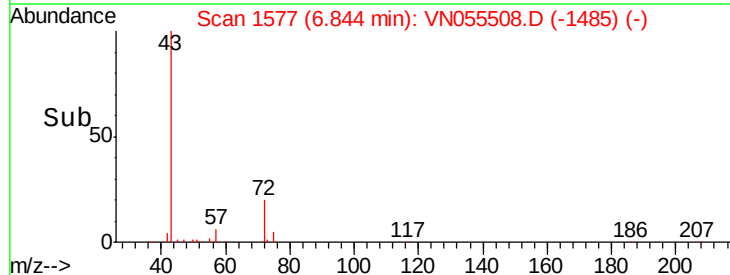
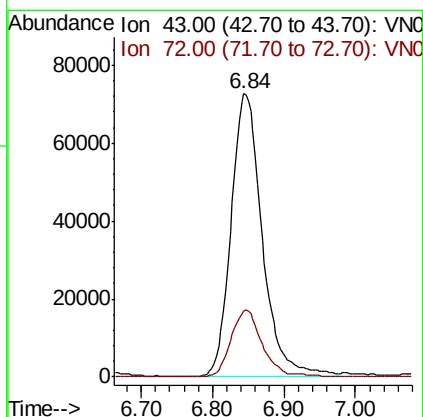
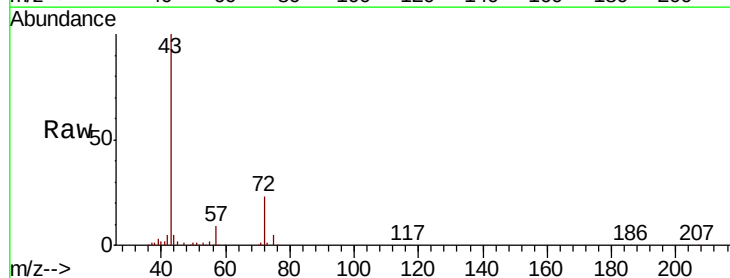
Ion	Ratio	Lower	Upper
84	100		
49	134.2	107.0	160.6
51	41.2	33.0	49.4
86	64.2	50.6	76.0

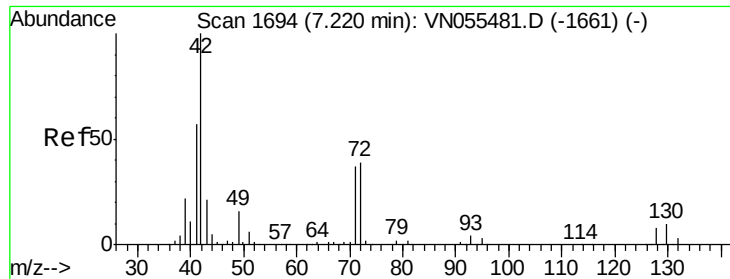


#25
2-Butanone
Concen: 23.874 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion: 43 Resp: 220612

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	27.8





#29

Tetrahydrofuran

Concen: 0.961 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OVS-3

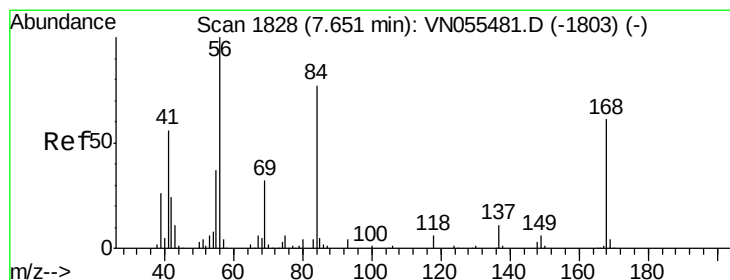
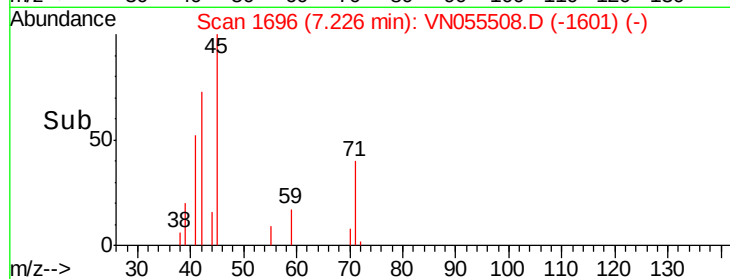
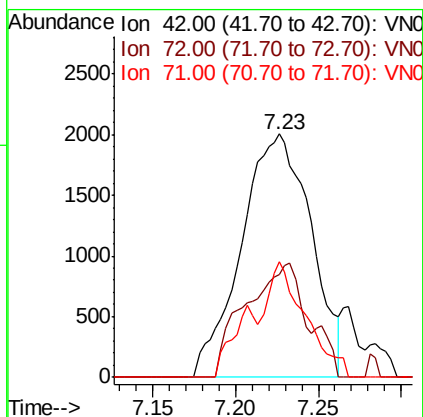
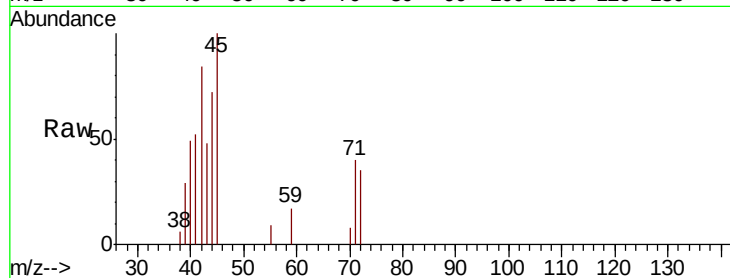
Tot Ion: 42 Resp: 5871

Ion Ratio Lower Upper

42 100

72 37.4 31.0 46.6

71 26.2 29.4 44.2#



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

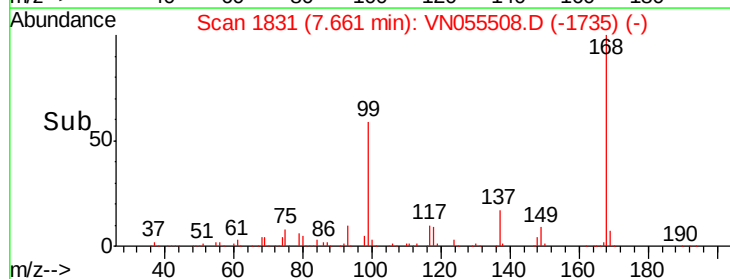
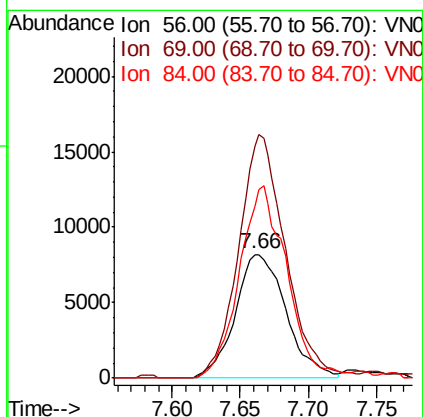
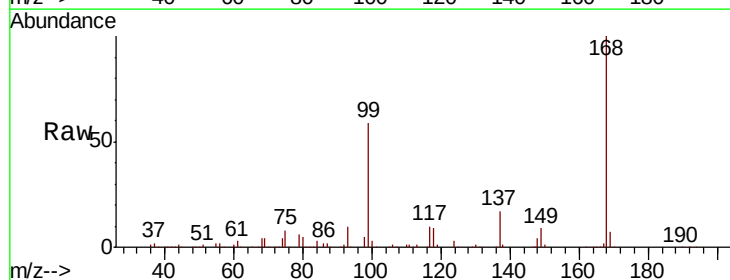
Tgt Ion: 56 Resp: 21238

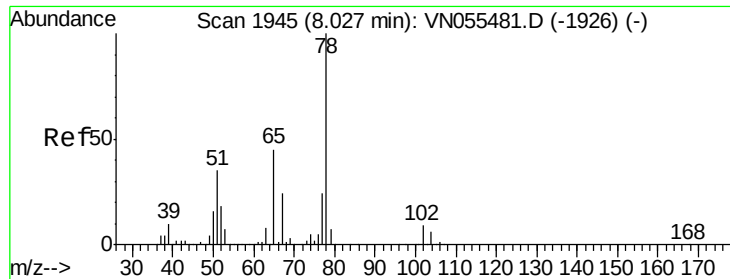
Ion Ratio Lower Upper

56 100

69 188.2 26.0 39.0#

84 139.8 61.9 92.9#

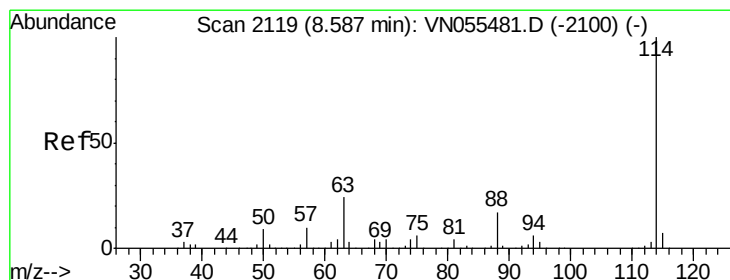
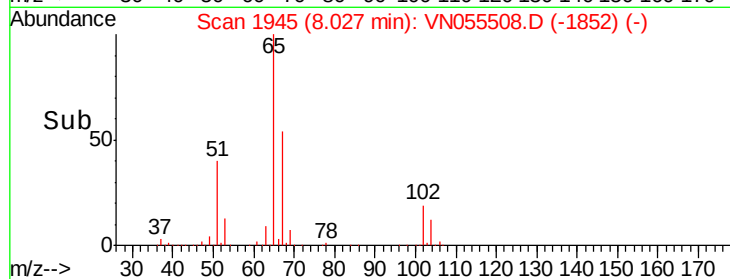
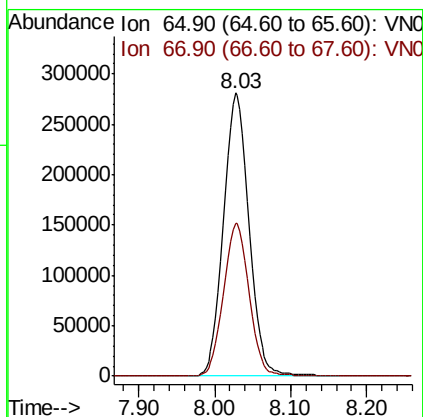
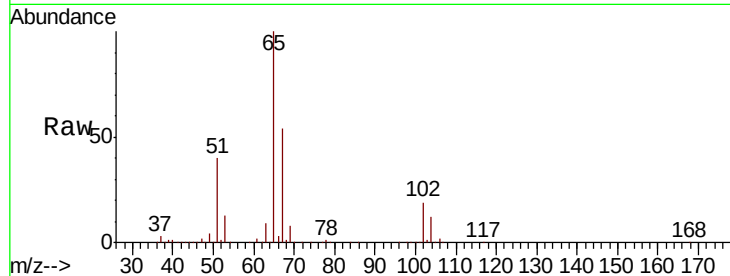




#33
 1,2-Dichloroethane-d4
 Concen: 45.673 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

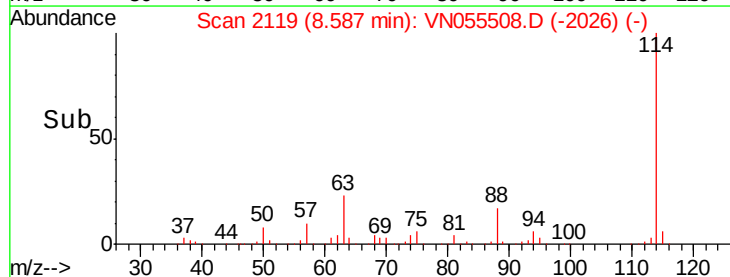
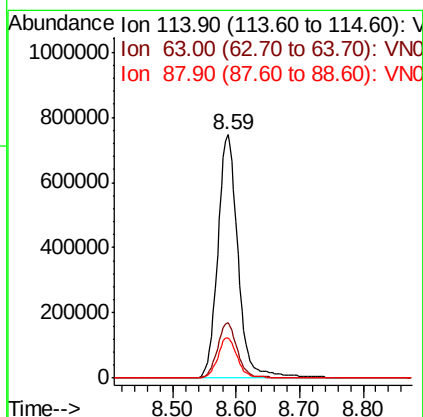
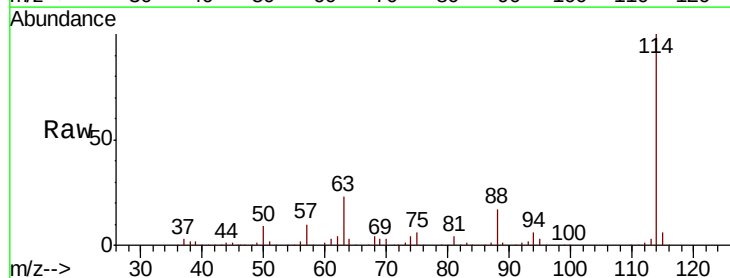
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS-3

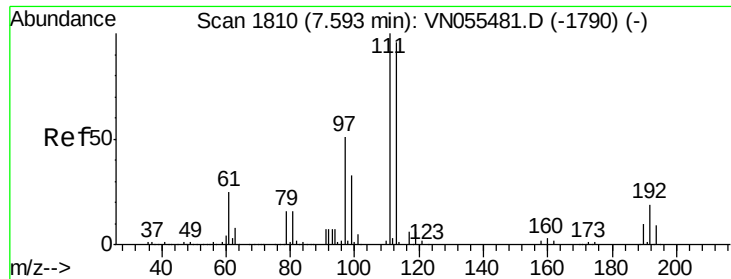
Tot Ion: 65 Resp: 659859
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion: 114 Resp: 1649430
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.6 0.0 34.0

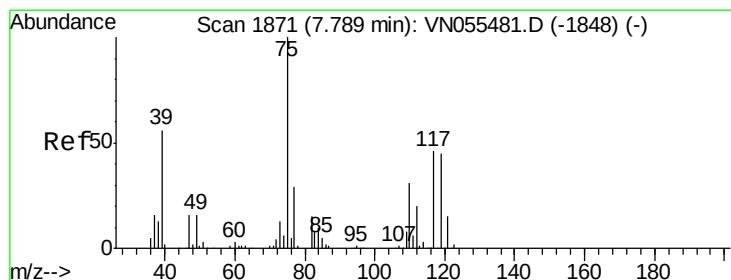
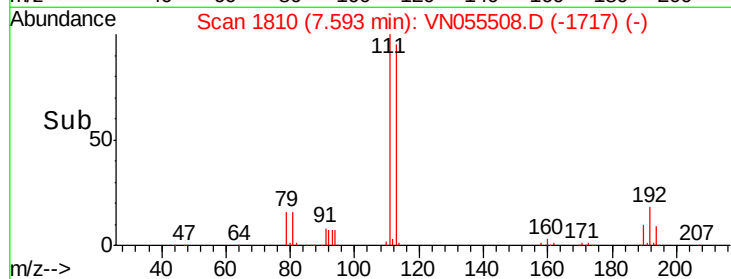
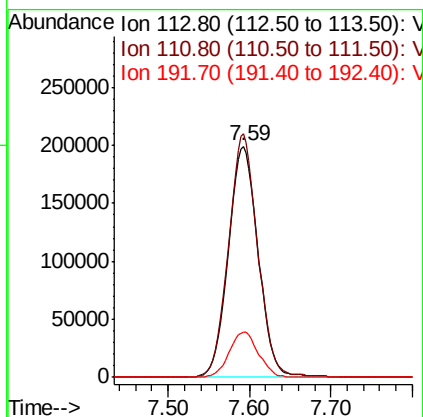
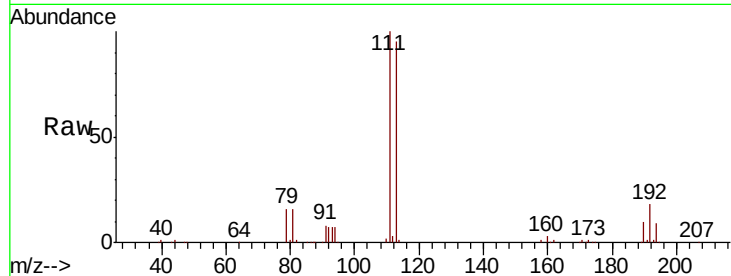




#35
 Dibromofluoromethane
 Concen: 47.950 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

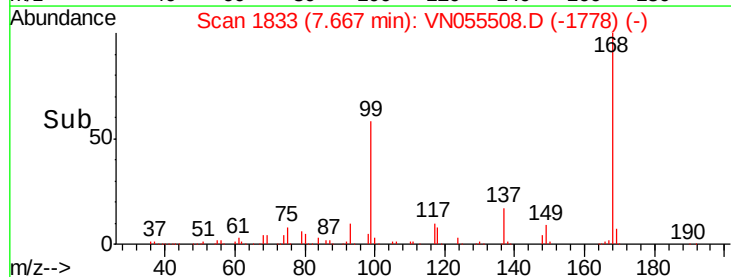
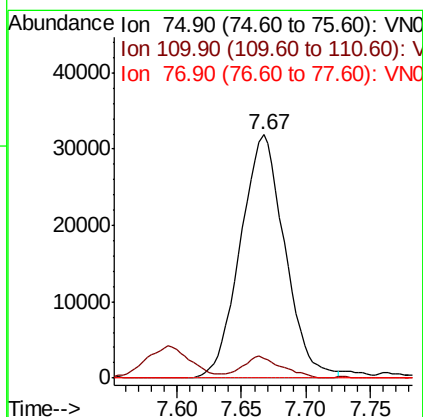
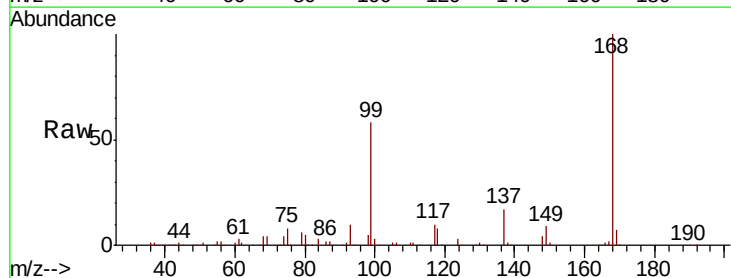
Instrument :
 MSVOA_N
 ClientSampled :
 OWS-3

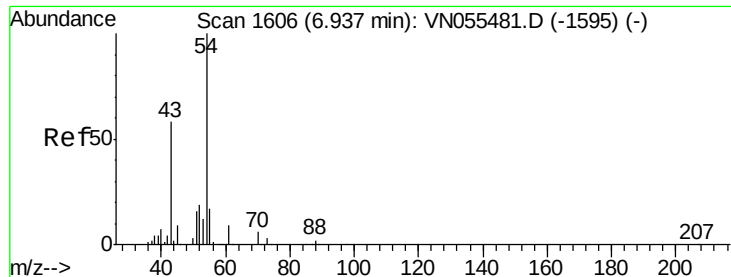
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.2	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.1	48.3#
77	0.0	24.6	37.0#

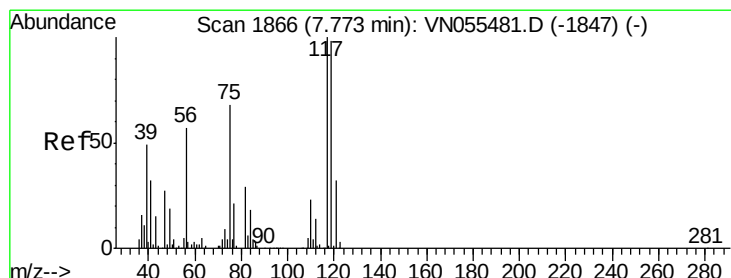
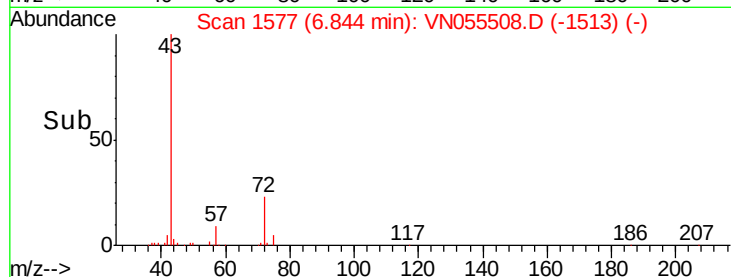
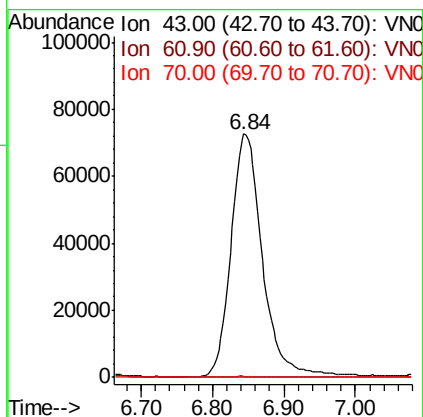
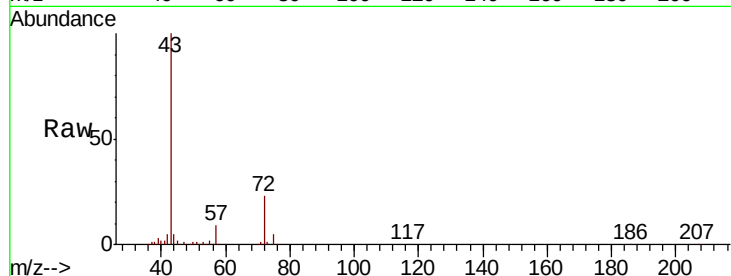




#37
Ethyl Acetate
Concen: 12.446 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

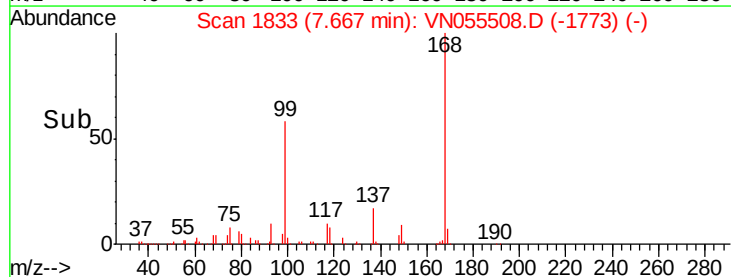
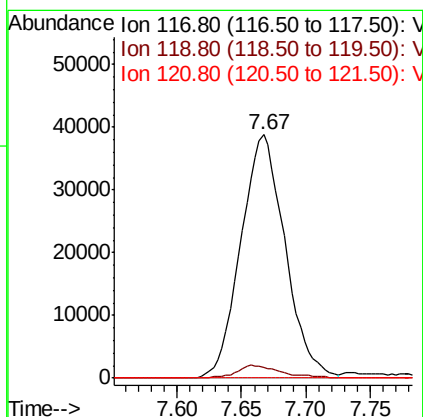
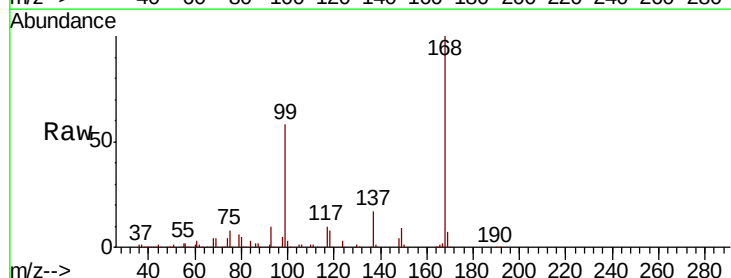
Instrument :
MSVOA_N
ClientSampleId :
OWS-3

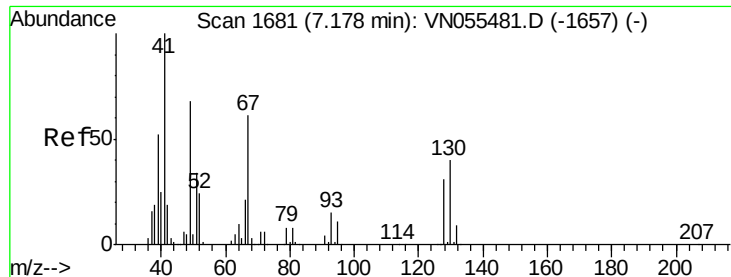
Tot Ion: 43 Resp: 220612
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.1 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 6.778 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion: 117 Resp: 92746
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.6#
121 0.0 25.2 37.8#

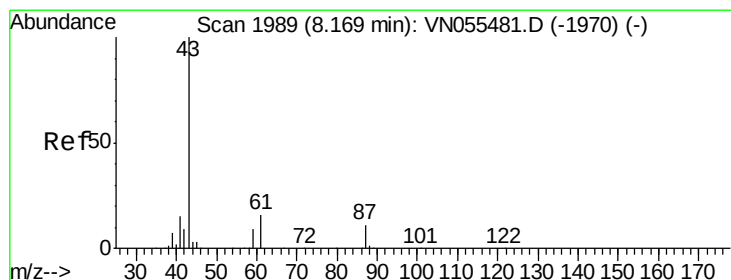
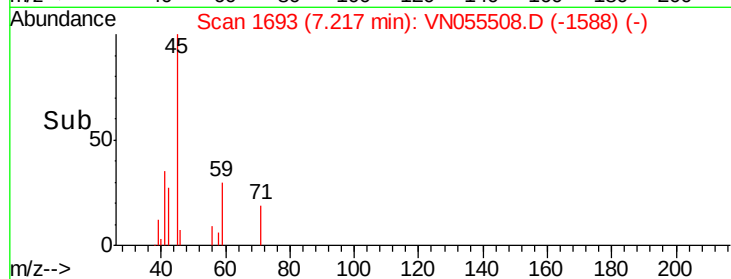
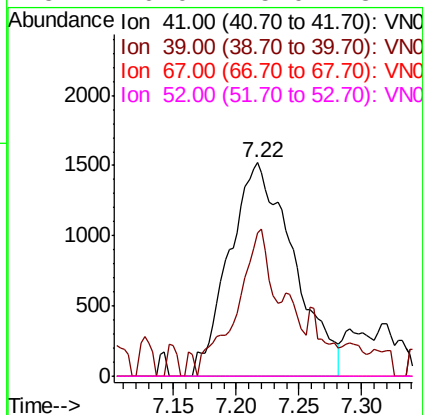
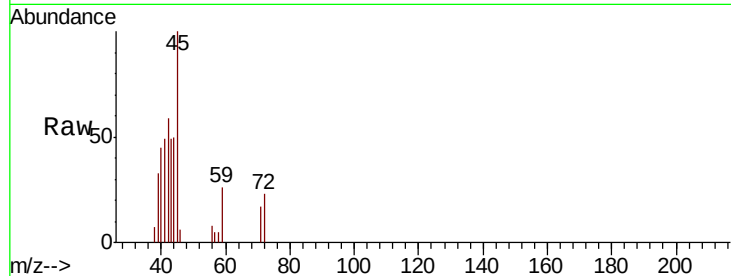




#41
Methacrylonitrile
Concen: 0.660 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

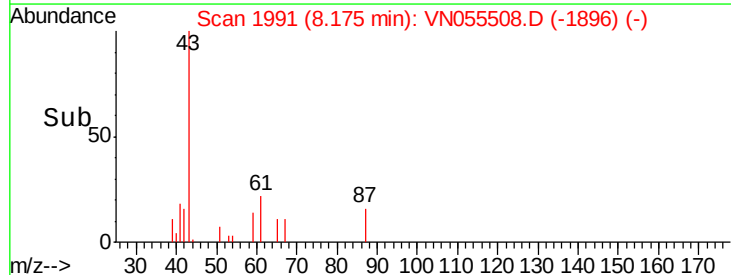
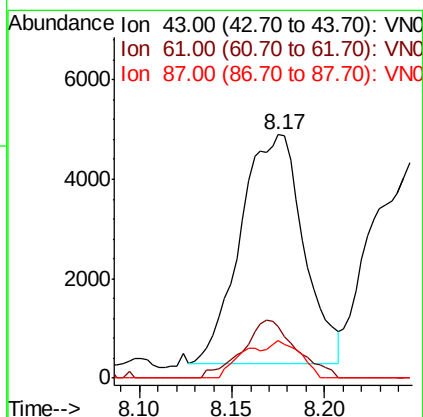
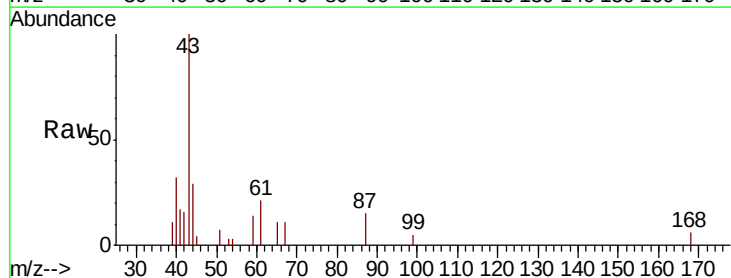
Instrument :
MSVOA_N
ClientSampled :
OWS-3

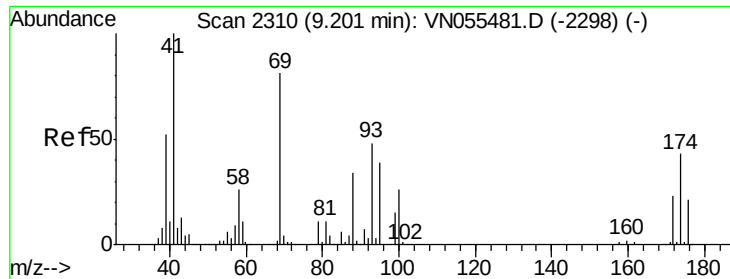
Tot Ion	Ratio	Lower	Upper
41	100		
39	37.5	44.7	67.1#
67	0.0	61.4	92.0#
52	0.0	25.0	37.4#



#43
Isopropyl Acetate
Concen: 0.406 ug/l
RT: 8.17 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.3	15.1	22.7
87	7.6	9.0	13.6#

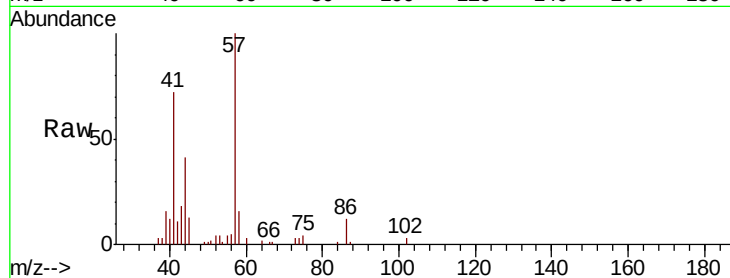




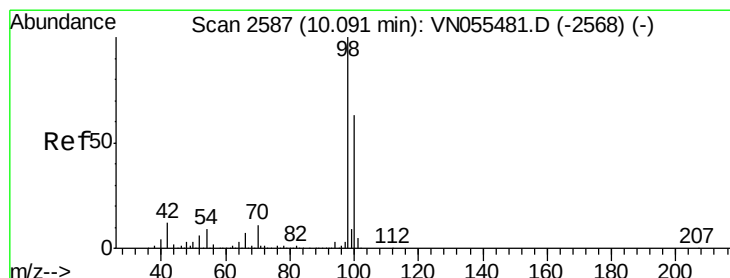
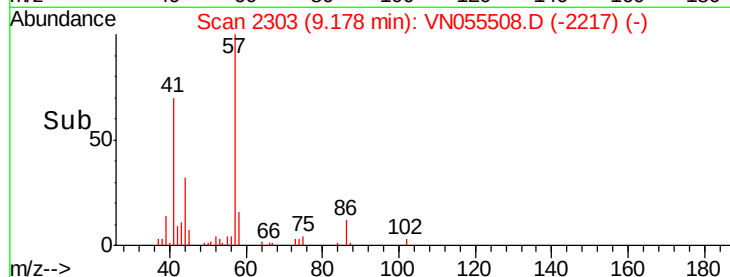
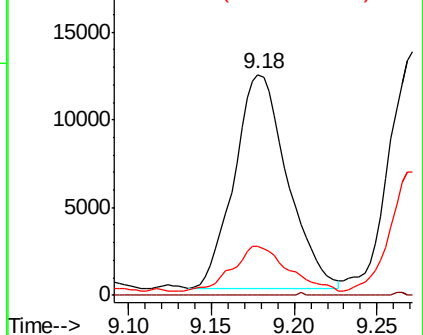
#48
Methvl methacrylate
Concen: 2.095 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Instrument :
MSVOA_N
ClientSampleId :
OWS-3

Tot Ion: 41 Resp: 27183
Ion Ratio Lower Upper
41 100
69 0.0 64.2 96.2#
39 22.3 41.6 62.4#

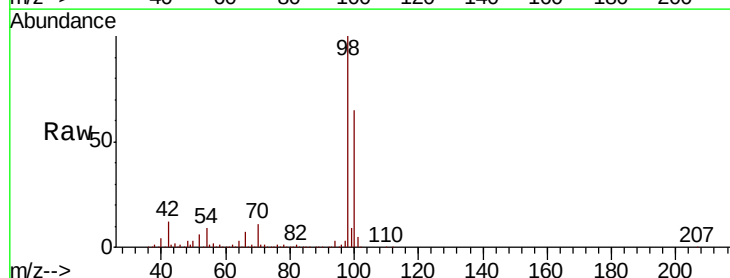


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

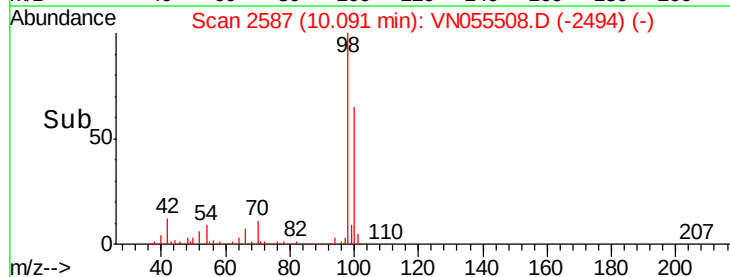
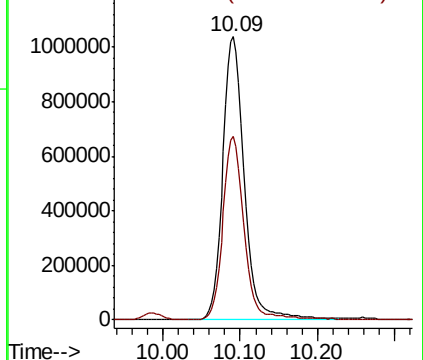


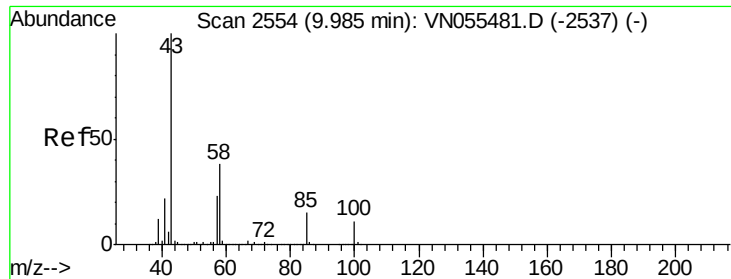
#50
Toluene-d8
Concen: 48.699 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion: 98 Resp: 2019219
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 20.673 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampleId :

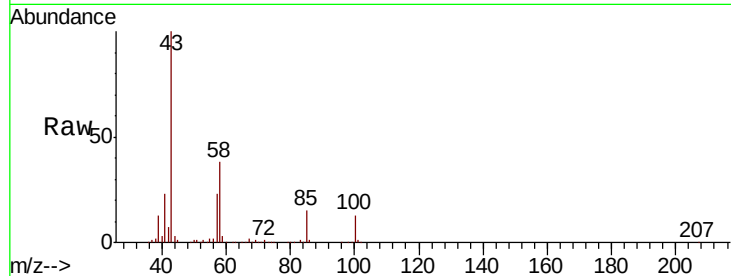
OVS-3

Tot Ion: 43 Resp: 366149

Ion Ratio Lower Upper

43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

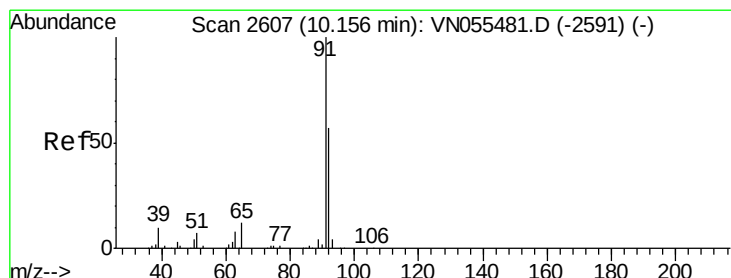
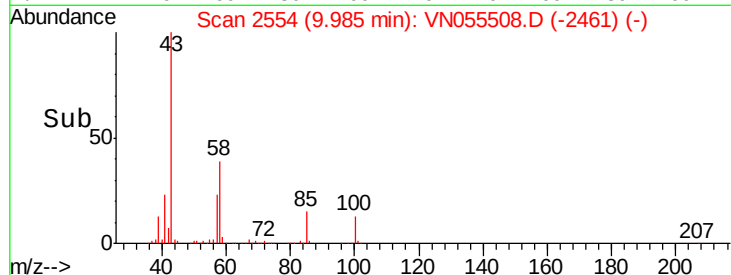
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 97.940 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055508.D

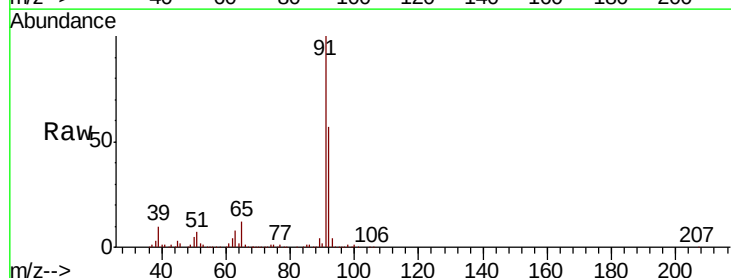
Acq: 9 May 2019 19:49

Tgt Ion: 92 Resp: 2823815

Ion Ratio Lower Upper

92 100

91 176.5 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

3000000

2500000

2000000

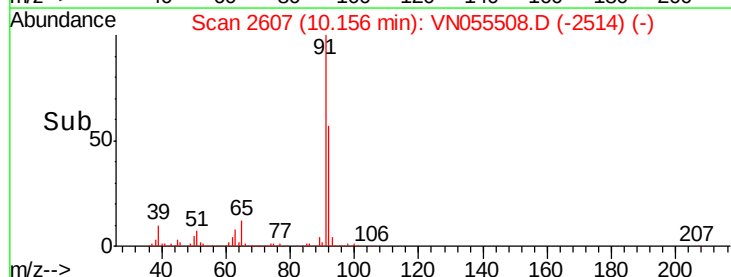
1500000

1000000

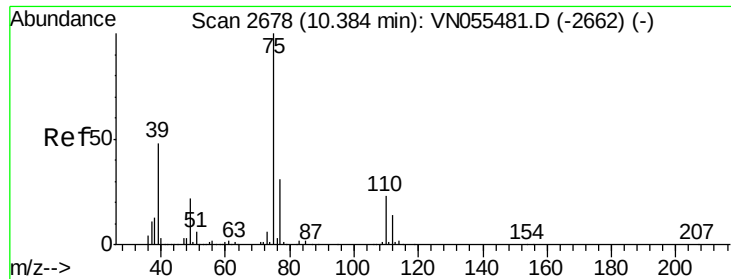
500000

0

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 2.048 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

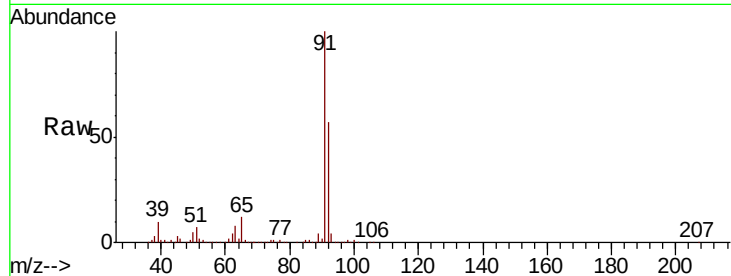
OVS-3

Tot Ion: 75 Resp: 31477

Ion Ratio Lower Upper

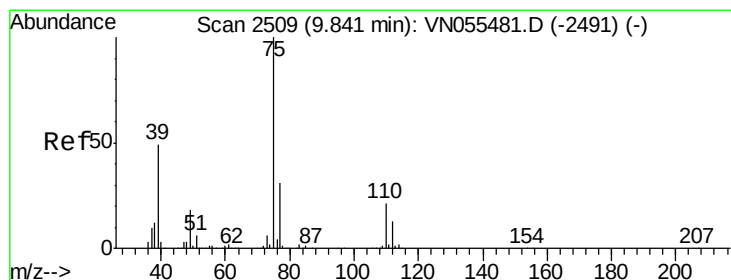
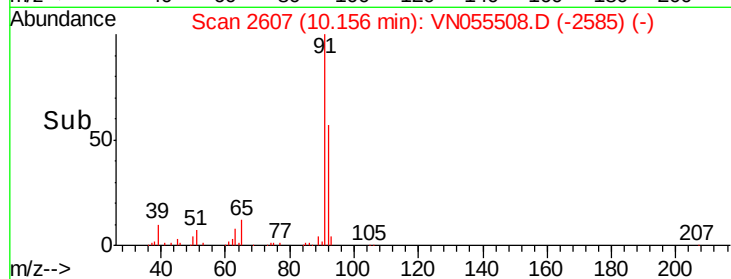
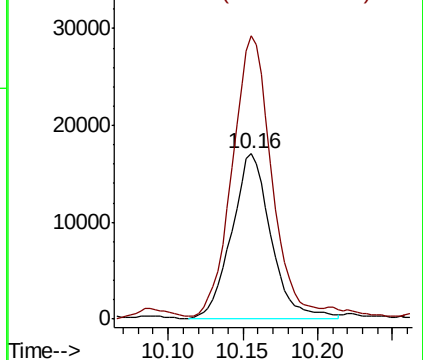
75 100

77 169.4 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.920 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

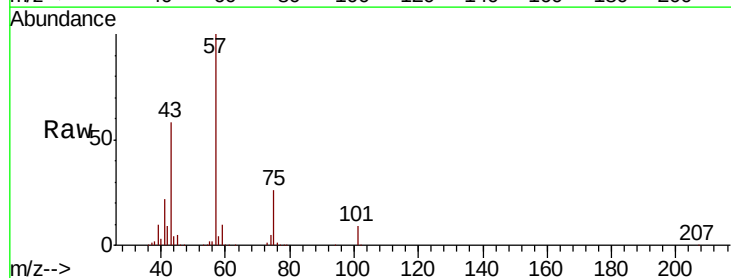
Tgt Ion: 75 Resp: 90354

Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

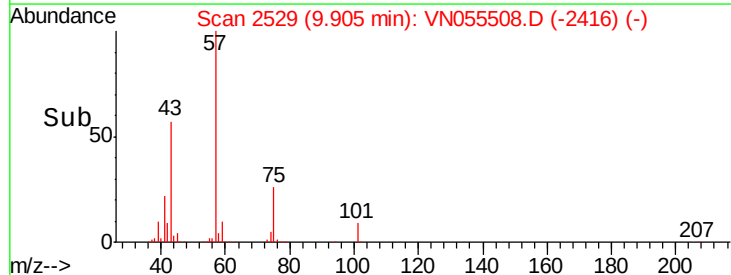
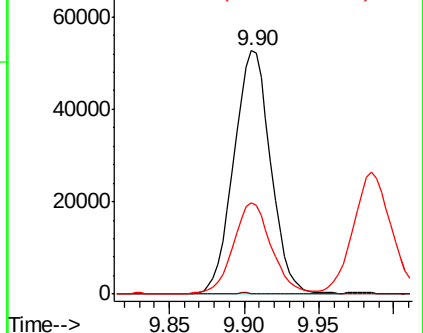
39 37.5 39.5 59.3#

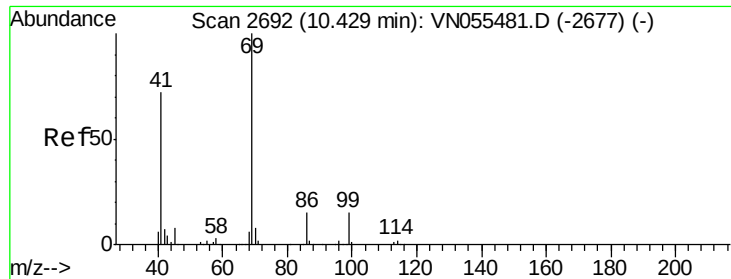


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.926 ug/l

RT: 10.36 min Scan# 2671

Delta R.T. -0.07 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OVS-3

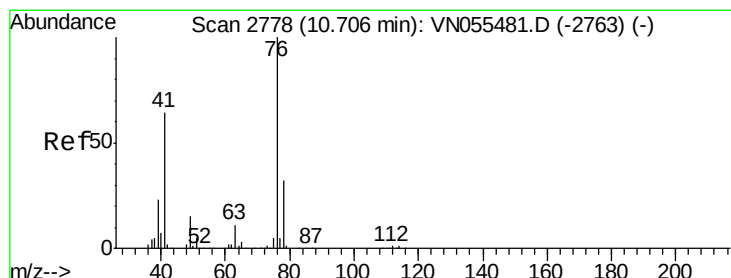
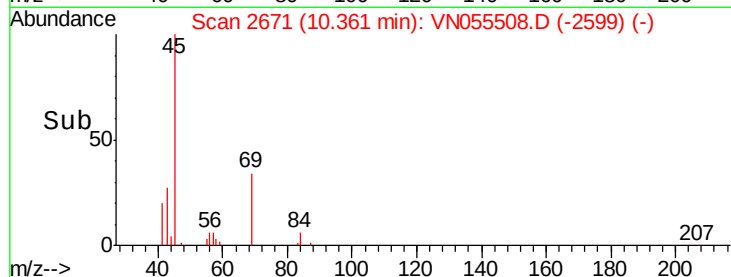
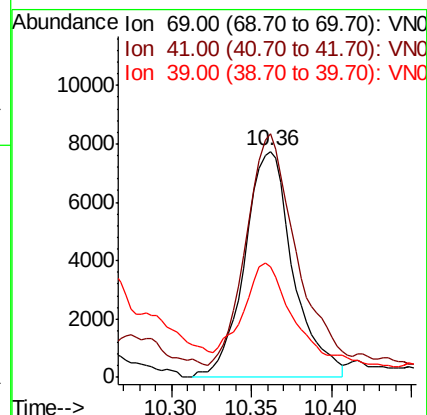
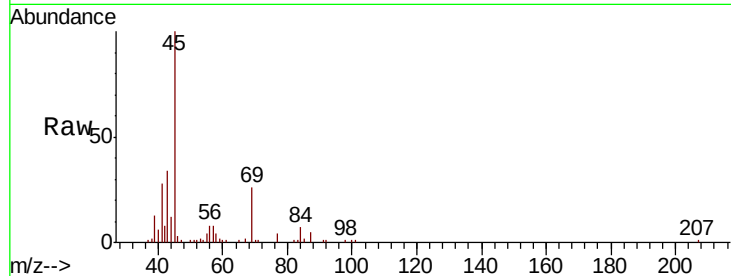
Tot Ion: 69 Resp: 16089

Ion Ratio Lower Upper

69 100

41 104.9 56.2 84.2#

39 0.0 27.8 41.6#



#57

1,3-Dichloropropane

Concen: 0.708 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN055508.D

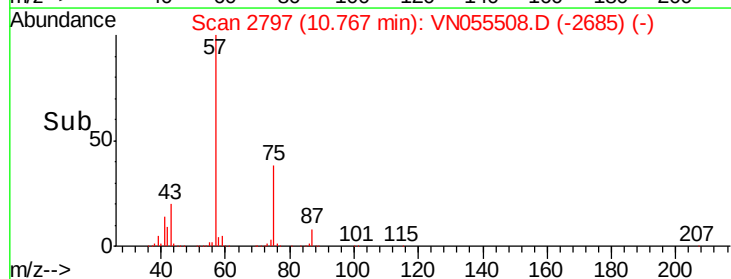
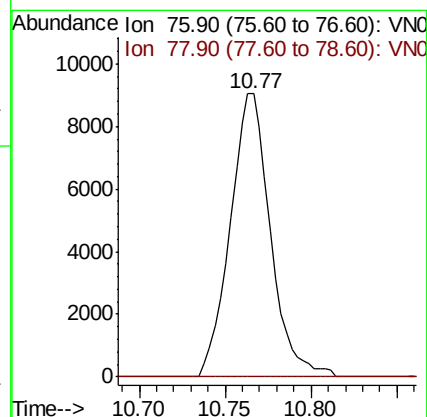
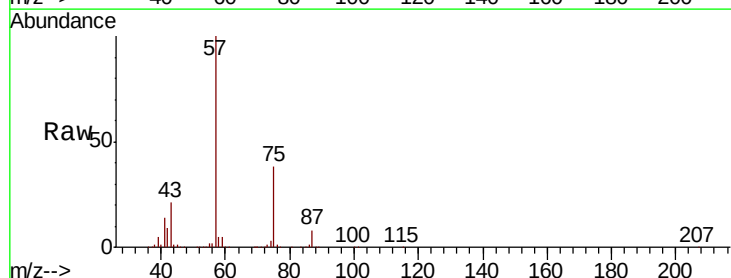
Acq: 9 May 2019 19:49

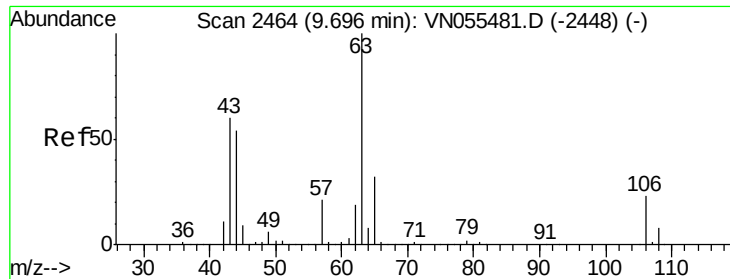
Tgt Ion: 76 Resp: 14676

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#





#58

2-Chloroethyl Vinyl ether

Concen: 12.558 ug/l

RT: 9.91 min Scan# 2531

Delta R.T. 0.22 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampleId :

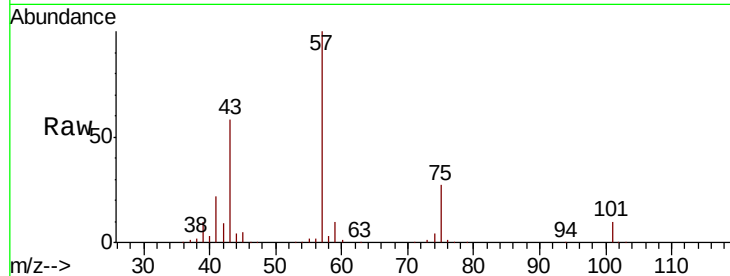
OVS-3

Tot Ion: 63 Resp: 286

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.91

250

200

150

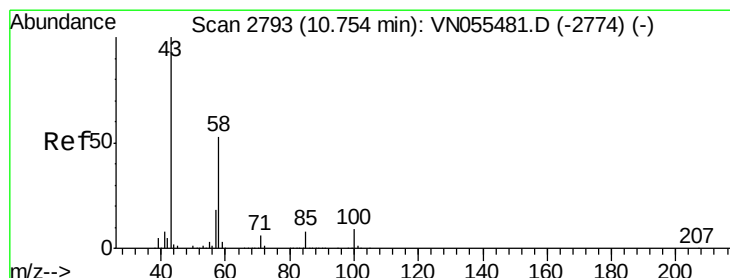
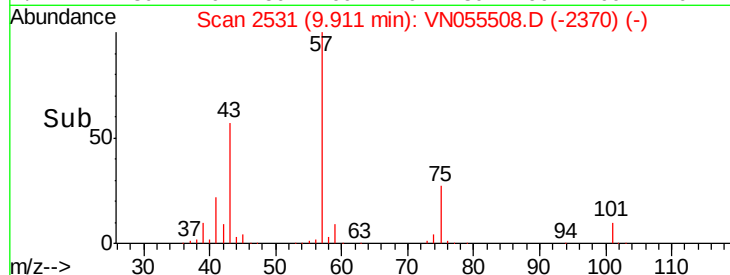
100

50

0

9.90 9.91 9.92 9.94

Time-->



#59

2-Hexanone

Concen: 17.603 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055508.D

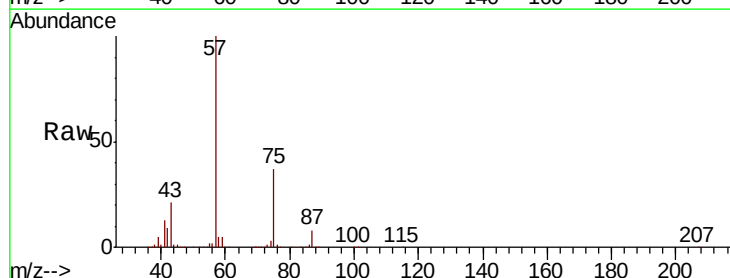
Acq: 9 May 2019 19:49

Tgt Ion: 43 Resp: 218648

Ion Ratio Lower Upper

43 100

58 22.9 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

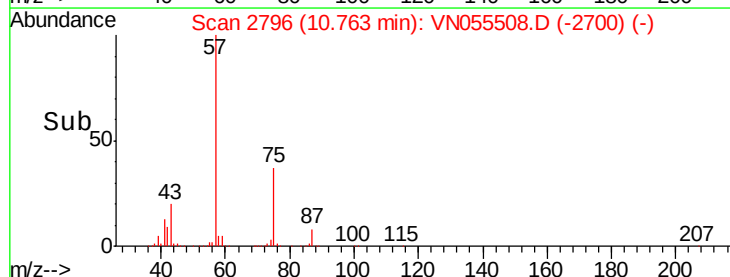
100000

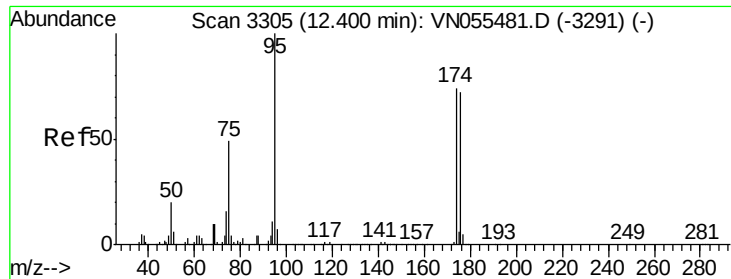
50000

0

10.70 10.75 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 44.285 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OVS-3

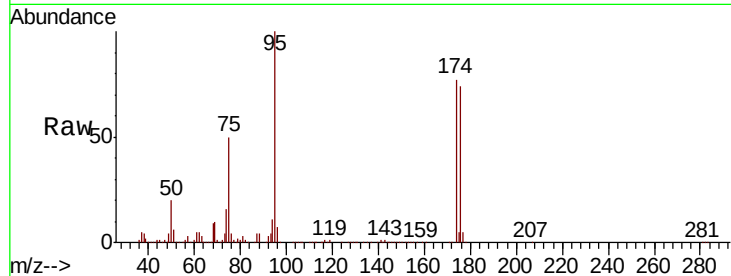
Tot Ion: 95 Resp: 619141

Ion Ratio Lower Upper

95 100

174 77.2 0.0 152.2

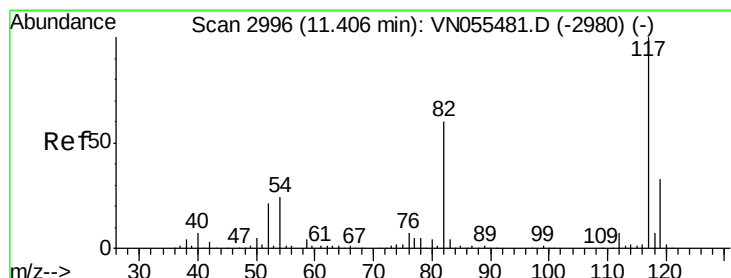
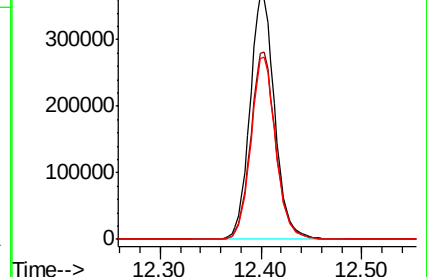
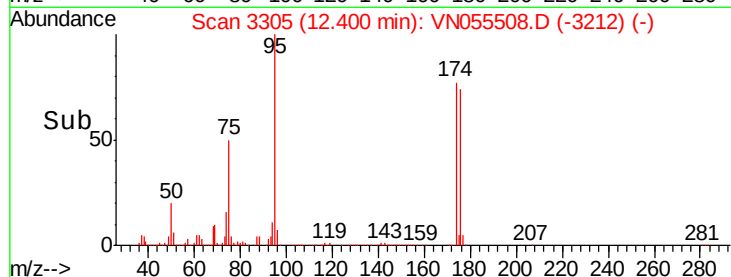
176 74.4 0.0 147.8



Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

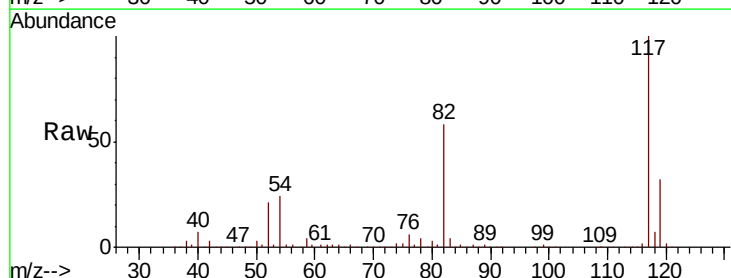
Tgt Ion: 117 Resp: 1397535

Ion Ratio Lower Upper

117 100

82 58.2 48.0 72.0

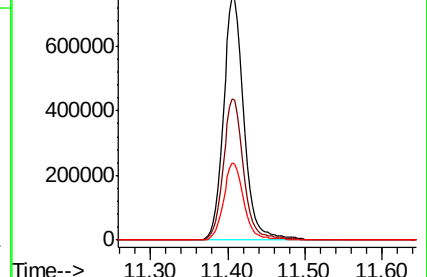
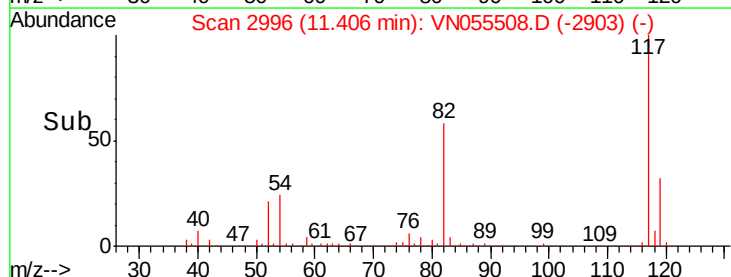
119 31.6 26.0 39.0

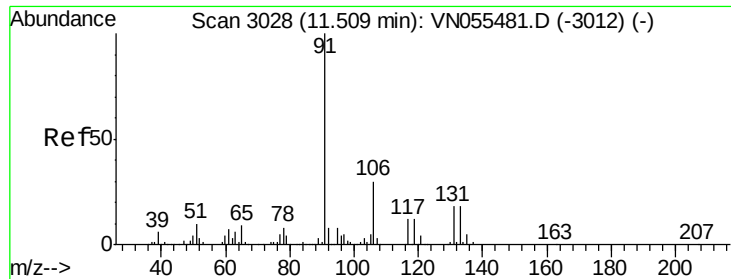


Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055481.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055481.D (-2980) (-)





#67

Ethyl Benzene

Concen: 0.561 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

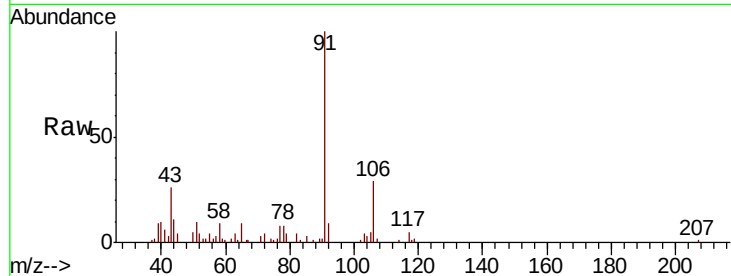
OWS-3

Tot Ion: 91 Resp: 30311

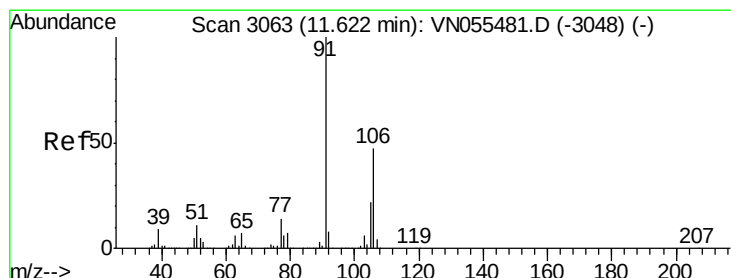
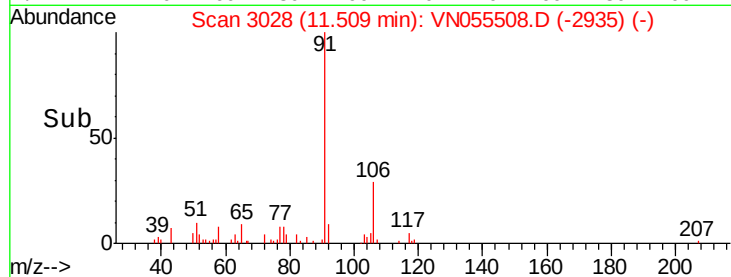
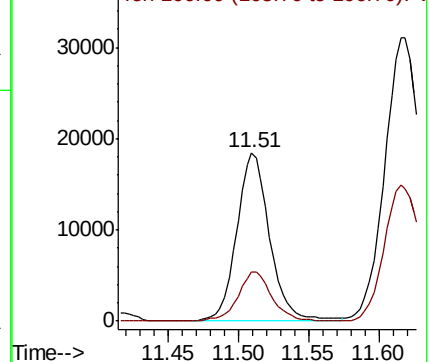
Ion Ratio Lower Upper

91 100

106 28.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055508.D (-2935) (-)



#68

m/p-Xylenes

Concen: 1.463 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN055508.D

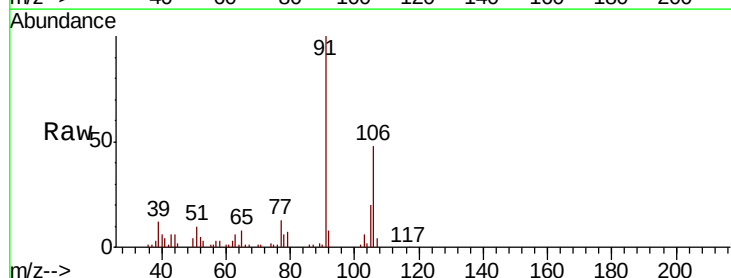
Acq: 9 May 2019 19:49

Tgt Ion: 106 Resp: 28361

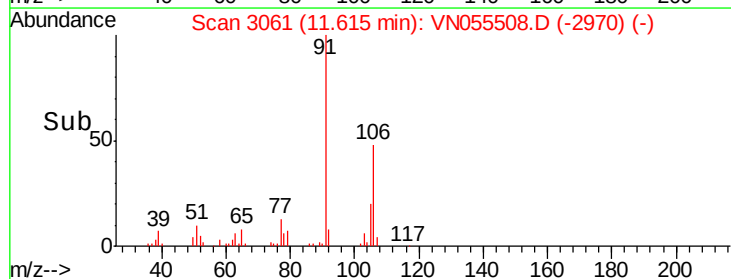
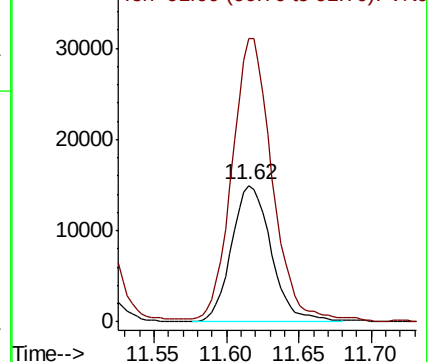
Ion Ratio Lower Upper

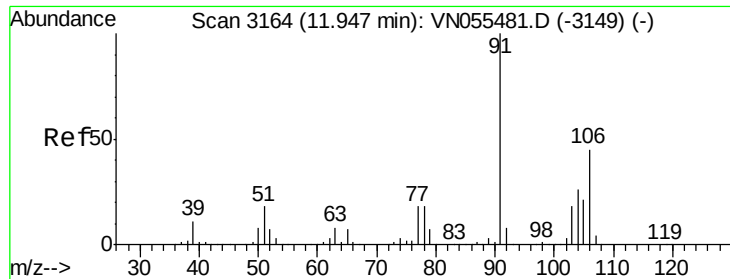
106 100

91 212.2 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055508.D (-2970) (-)

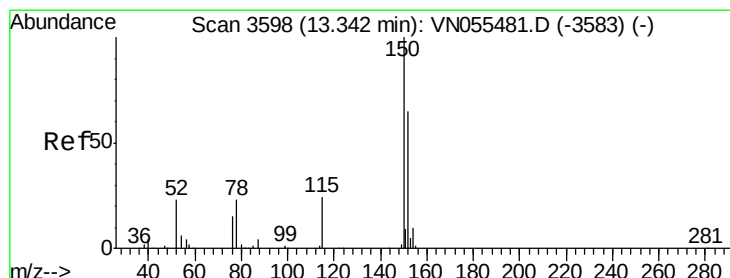
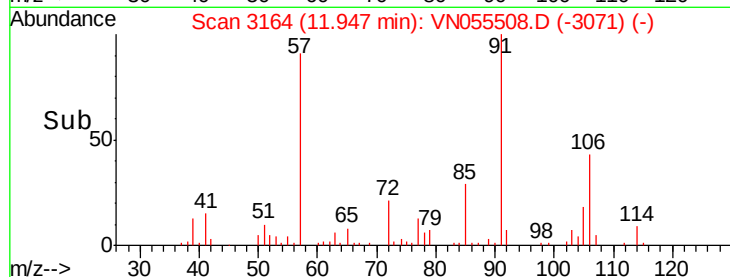
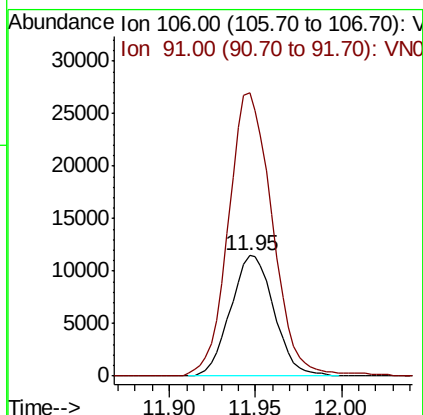
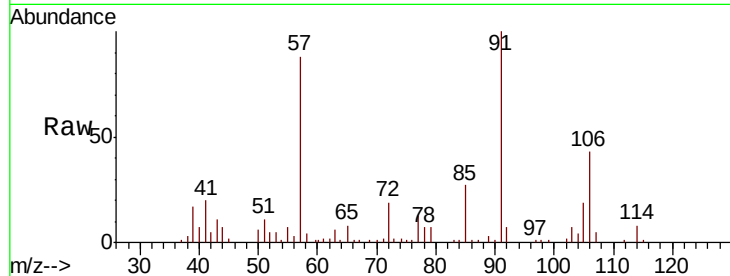




#69
o-Xylene
Concen: 1.058 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

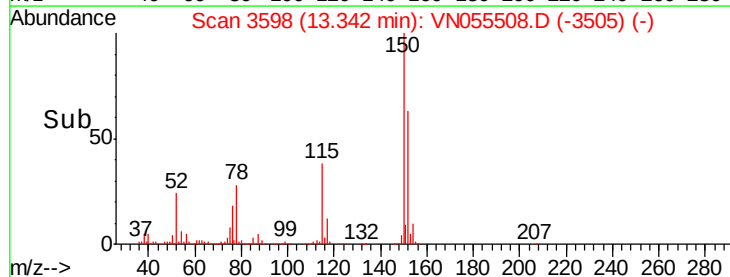
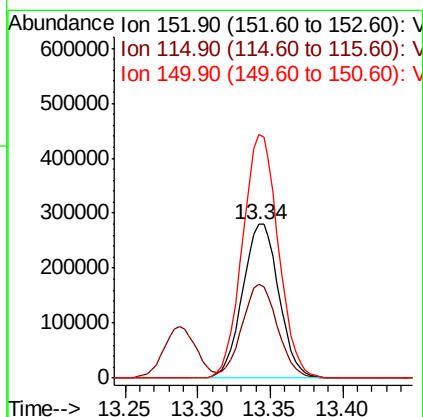
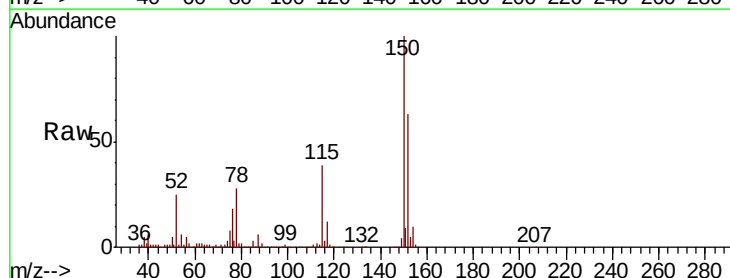
Instrument :
MSVOA_N
ClientSampled :
OWS-3

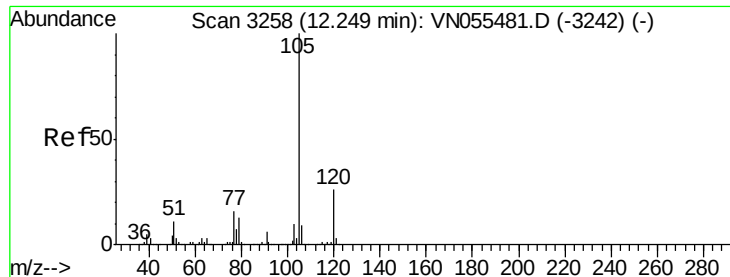
Tot Ion:106 Resp: 20144
Ion Ratio Lower Upper
106 100
91 238.5 111.3 333.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055508.D
Acq: 9 May 2019 19:49

Tgt Ion:152 Resp: 489391
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.5
150 155.8 0.0 355.0





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampleId :

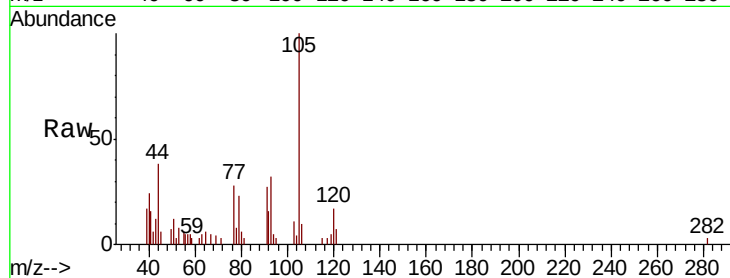
OVS-3

Tot Ion:105 Resp: 10218

Ion Ratio Lower Upper

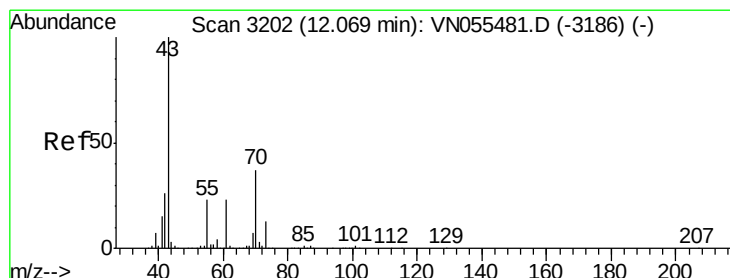
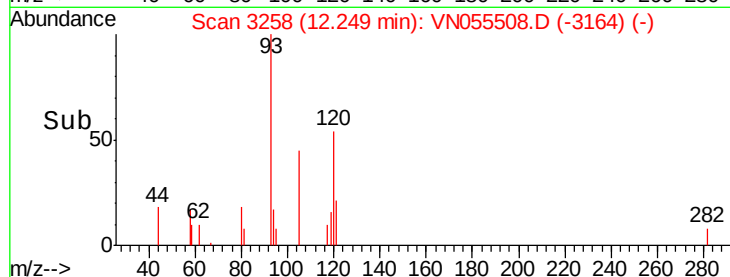
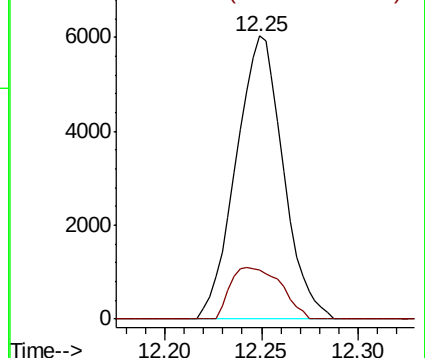
105 100

120 19.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.089 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Tgt Ion: 43 Resp: 20239

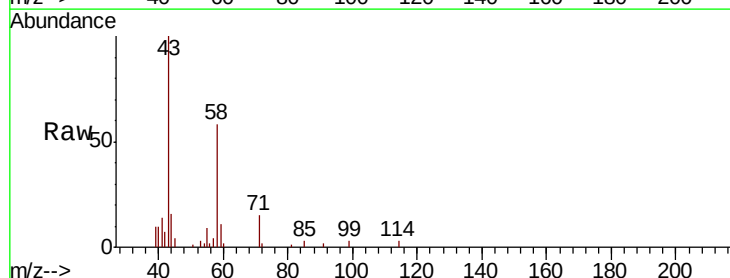
Ion Ratio Lower Upper

43 100

70 0.0 30.7 46.1#

55 7.5 19.3 28.9#

61 0.0 18.6 27.8#

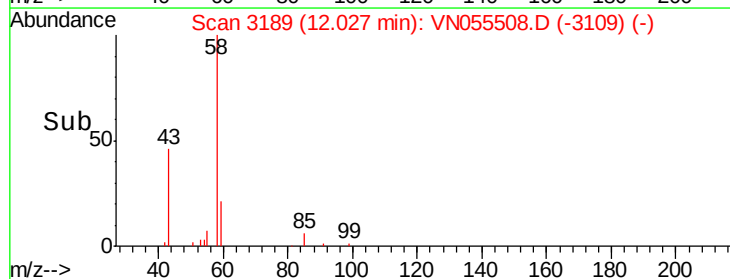
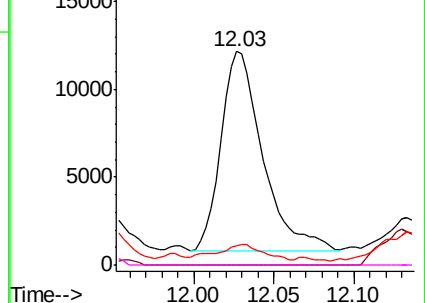


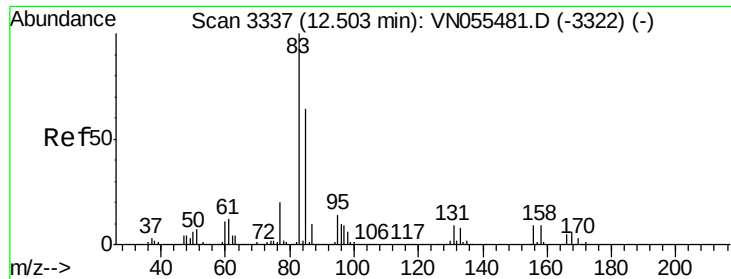
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.57 min Scan# 3359

Delta R.T. 0.07 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OVS-3

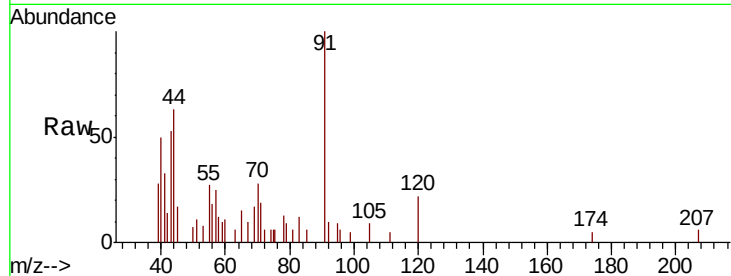
Tot Ion: 83 Resp: 213

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.0 96.0#

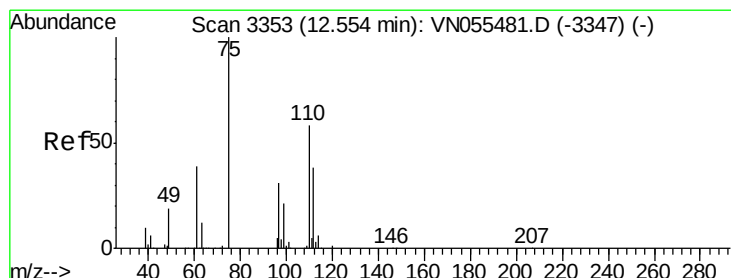
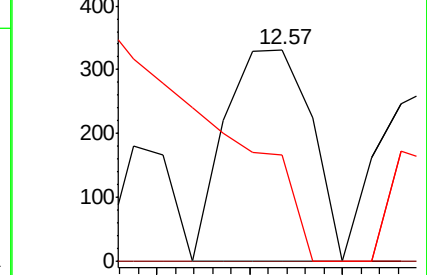
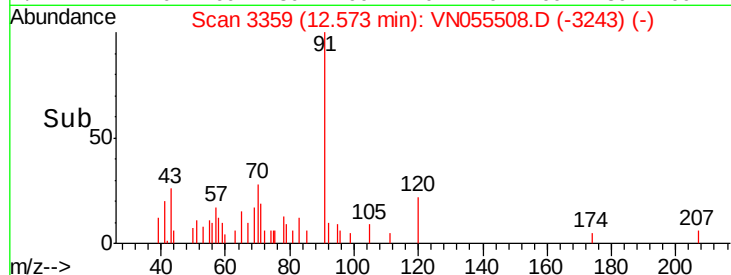


Abundance Ion 82.90 (82.60 to 83.60): VN055508.D (-3359) (-)

Ion 130.80 (130.50 to 131.50): VN055508.D (-3359) (-)

Ion 84.90 (84.60 to 85.60): VN055508.D (-3359) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.249 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055508.D

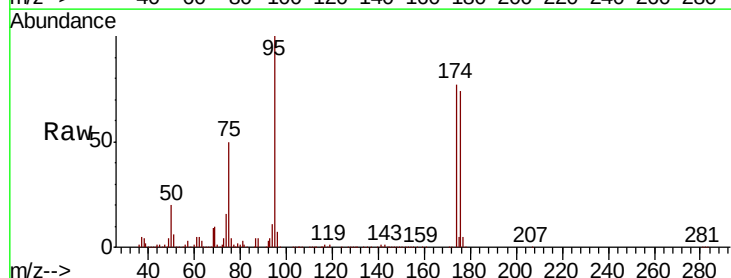
Acq: 9 May 2019 19:49

Tgt Ion: 75 Resp: 309739

Ion Ratio Lower Upper

75 100

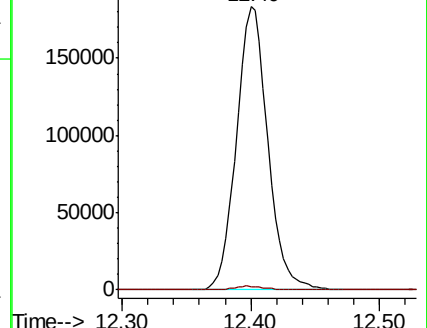
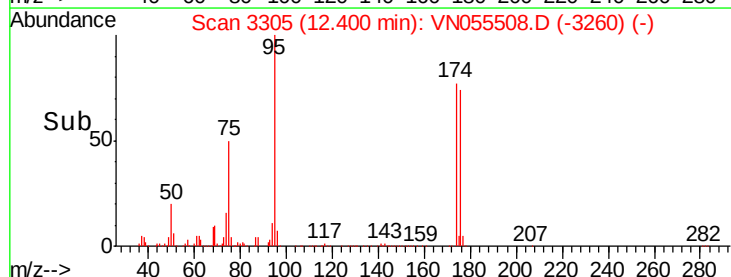
77 1.3 0.0 0.0#

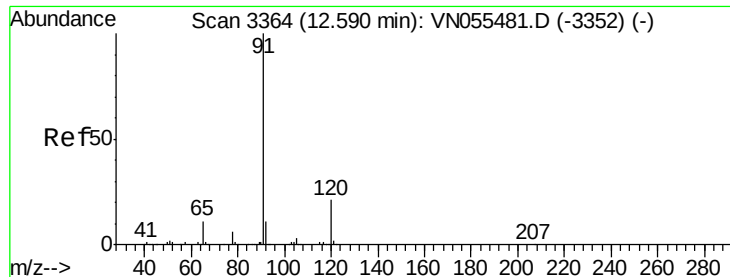


Abundance Ion 74.90 (74.60 to 75.60): VN055508.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN055508.D (-3305) (-)

Time-->





#78

n-propylbenzene

Concen: 0.342 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

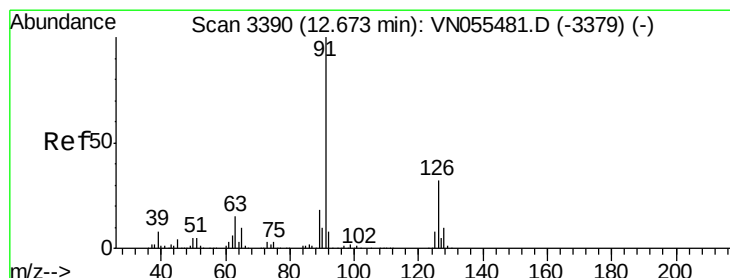
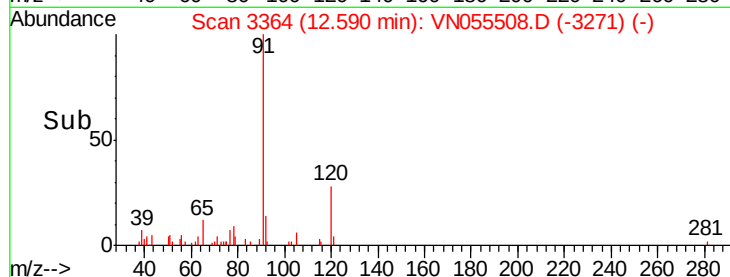
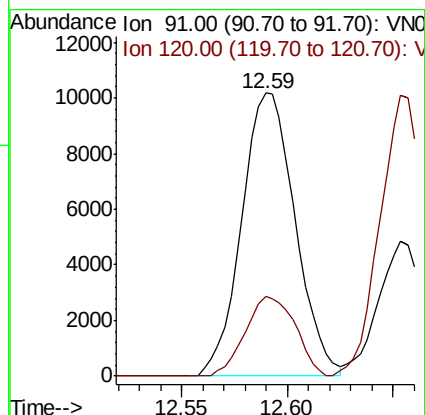
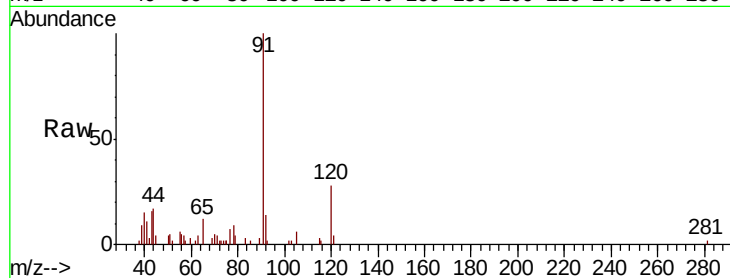
OVS-3

Tot Ion: 91 Resp: 17947

Ion Ratio Lower Upper

91 100

120 26.3 10.8 32.3



#79

2-Chlorotoluene

Concen: 0.260 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN055508.D

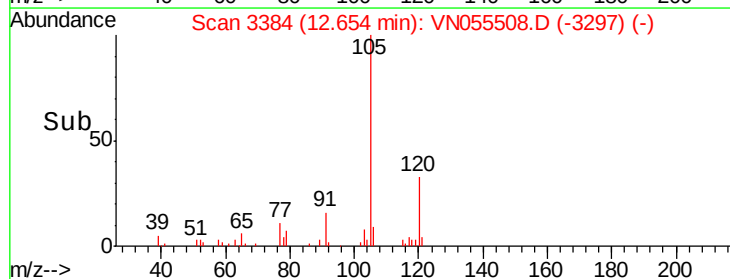
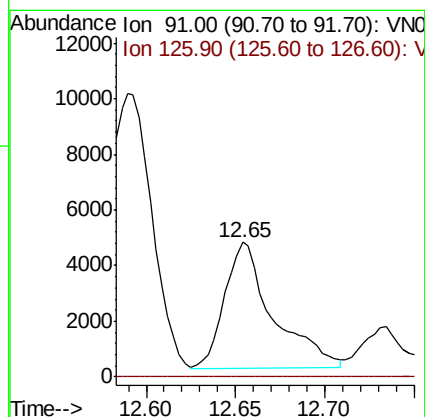
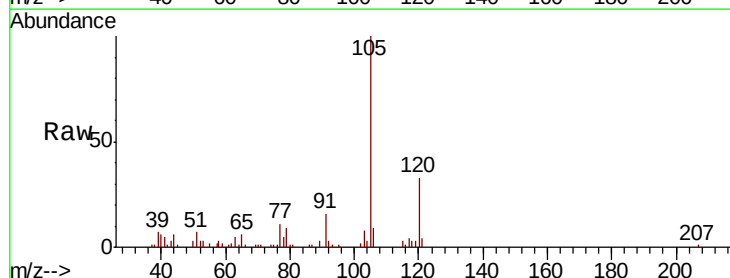
Acq: 9 May 2019 19:49

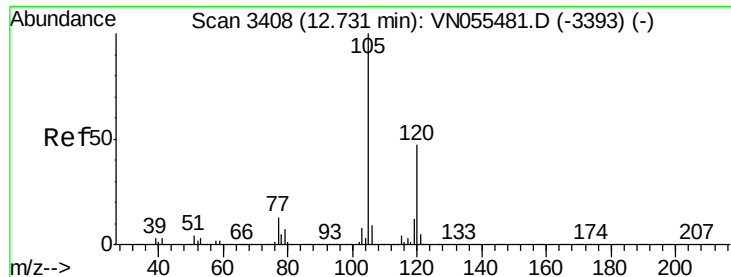
Tgt Ion: 91 Resp: 8517

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#

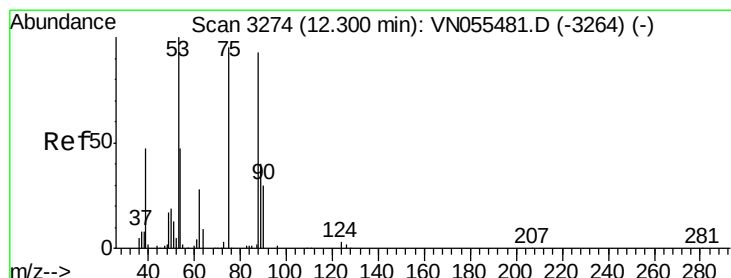
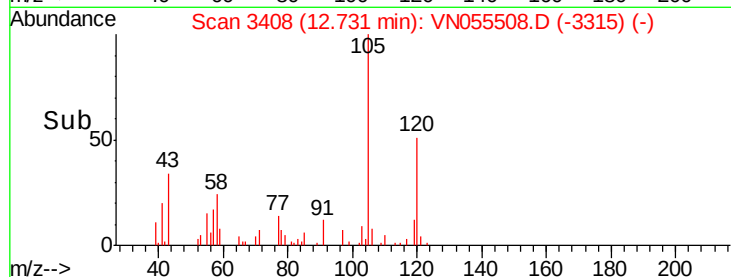
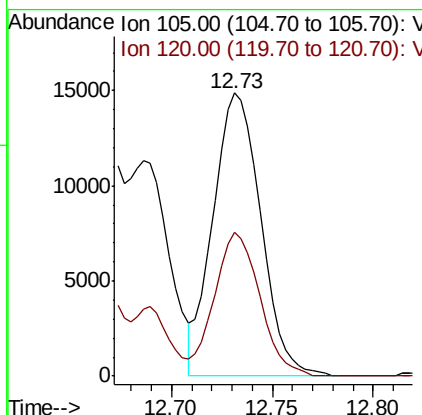
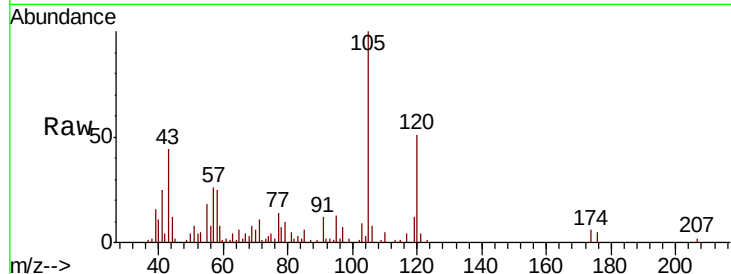




#80
 1,3,5-Trimethylbenzene
 Concen: 0.627 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

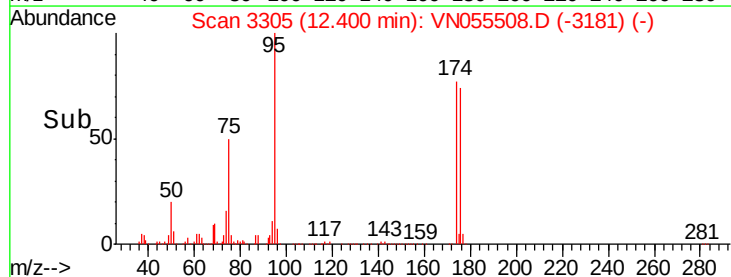
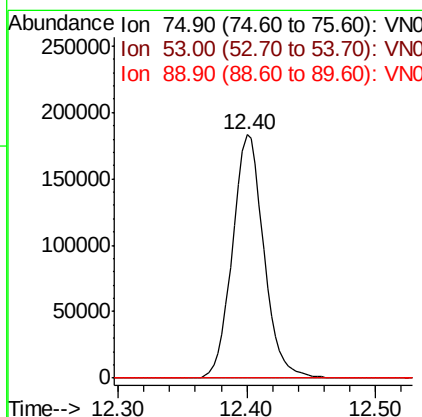
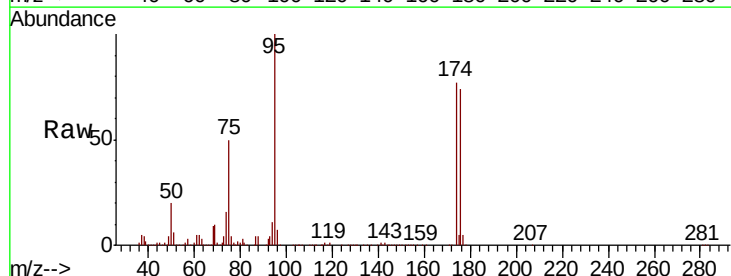
Instrument :
 MSVOA_N
 ClientSampled :
 OWS-3

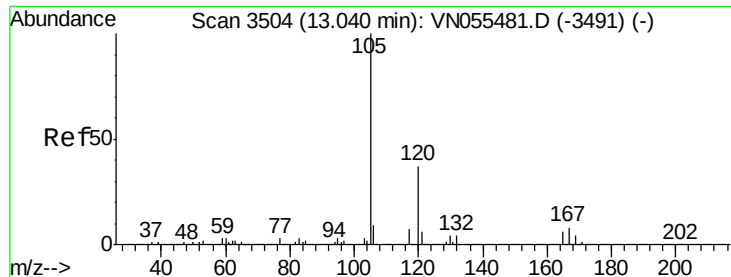
Tot Ion:105 Resp: 24554
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.784 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion: 75 Resp: 309739
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 35.7 53.5#

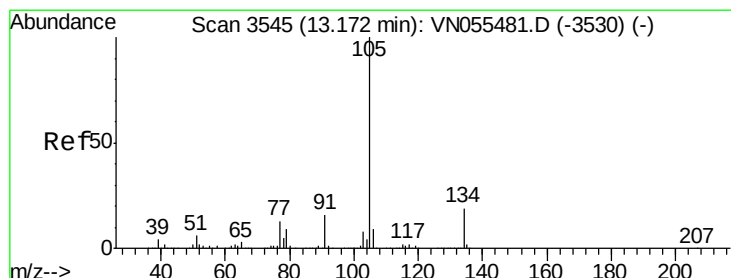
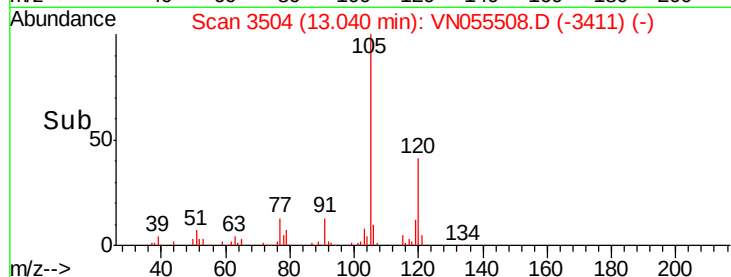
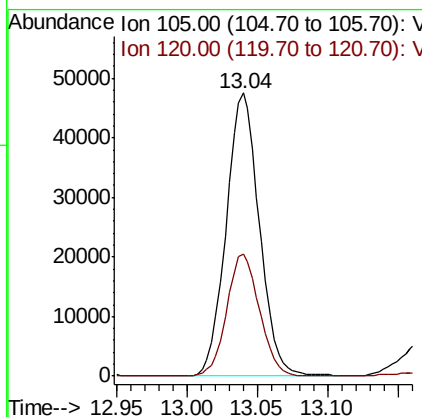
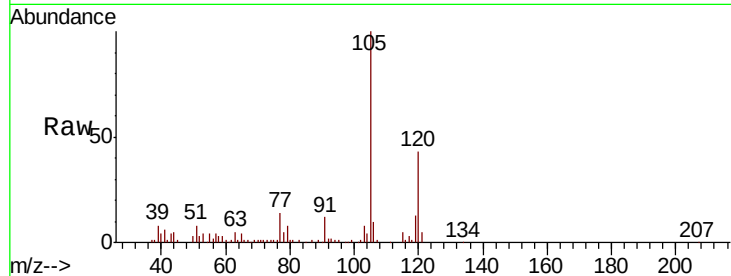




#84
 1,2,4-Trimethylbenzene
 Concen: 2.174 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

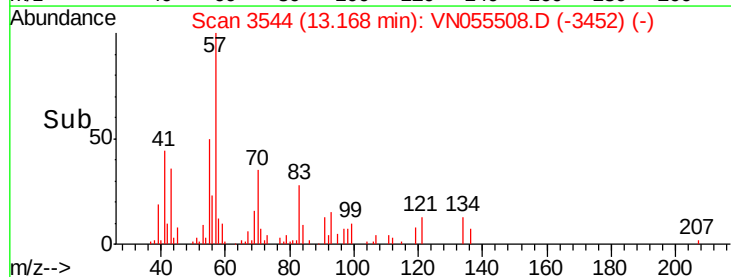
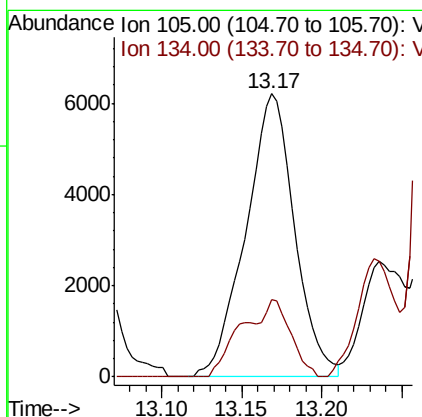
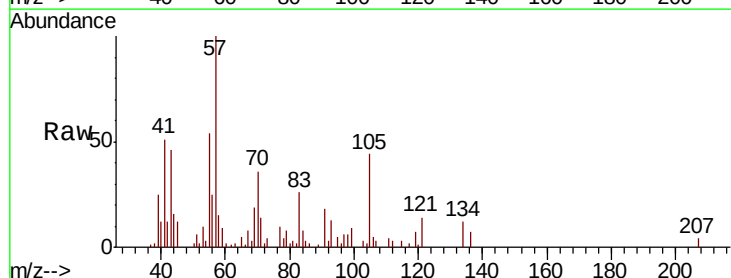
Instrument :
 MSVOA_N
 ClientSampled :
 OWS-3

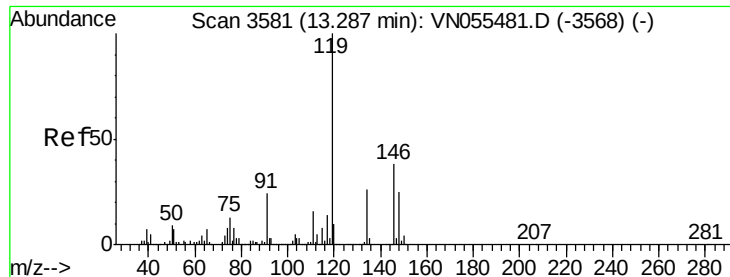
Tot Ion:105 Resp: 78045
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.292 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion:105 Resp: 13026
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#

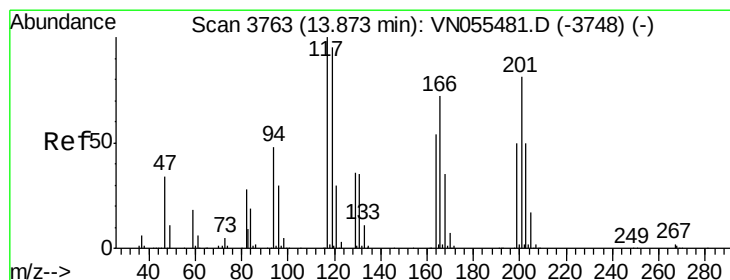
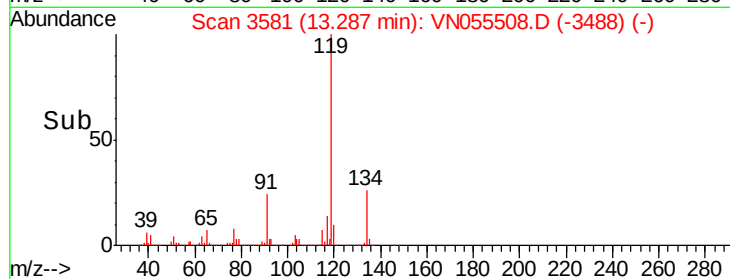
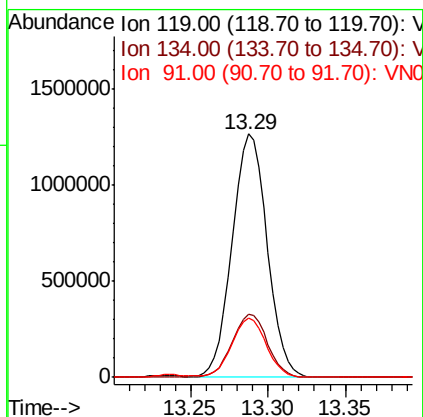
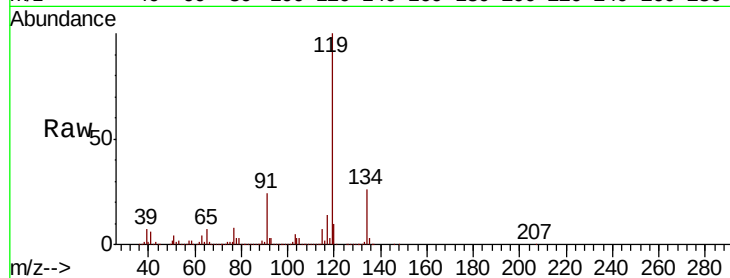




#86
 p-Isopropyltoluene
 Concen: 54.669 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

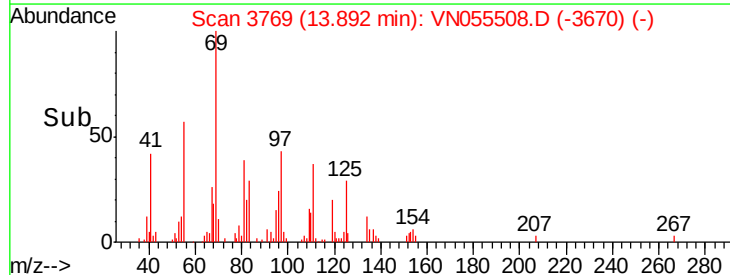
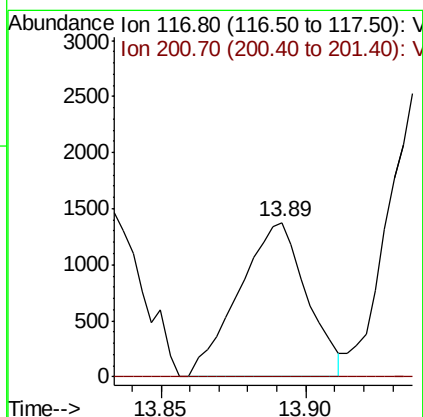
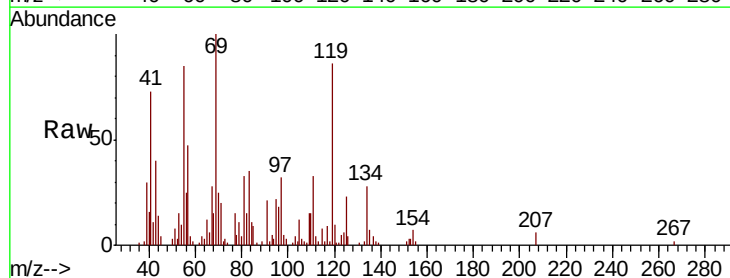
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS-3

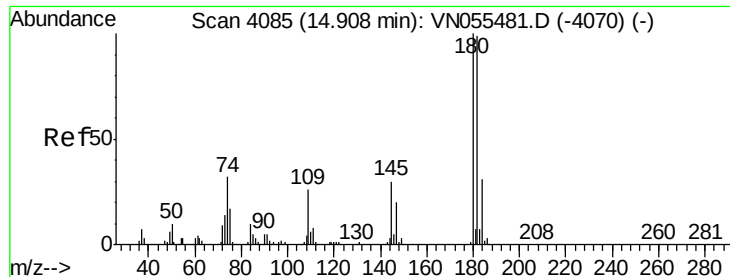
Tot Ion:119 Resp: 1983734
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.4
 91 24.0 12.0 36.0



#90
 Hexachloroethane
 Concen: 0.377 ug/l
 RT: 13.89 min Scan# 3769
 Delta R.T. 0.02 min
 Lab File: VN055508.D
 Acq: 9 May 2019 19:49

Tgt Ion:117 Resp: 2234
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.1 120.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.267 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OWS-3

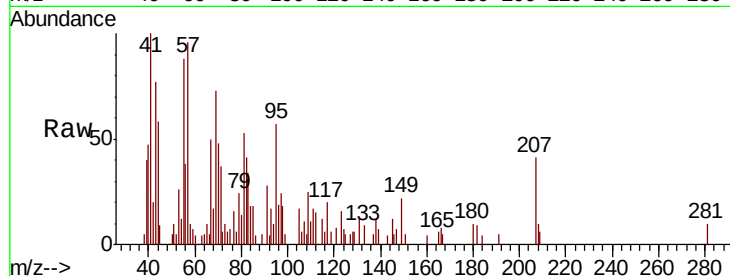
Tot Ion:180 Resp: 478

Ion Ratio Lower Upper

180 100

182 66.7 48.7 146.1

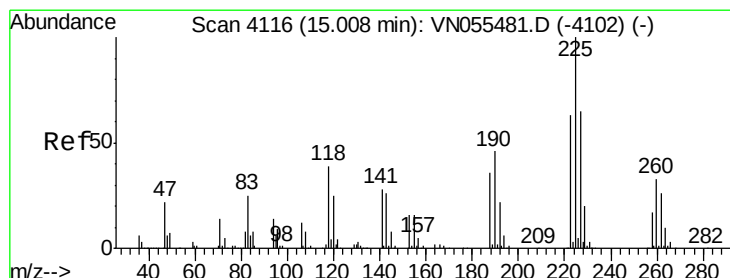
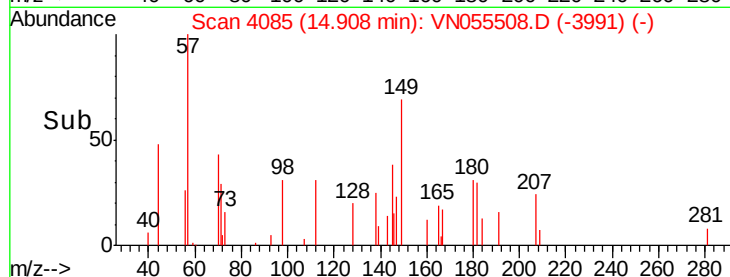
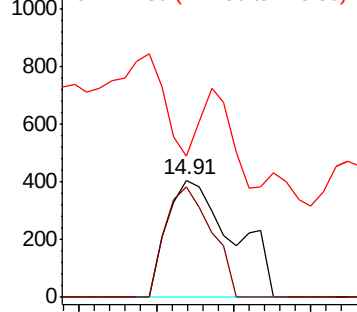
145 39.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

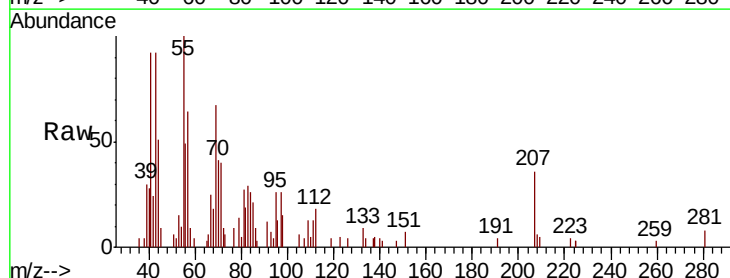
Tgt Ion:225 Resp: 139

Ion Ratio Lower Upper

225 100

223 82.7 31.4 94.3

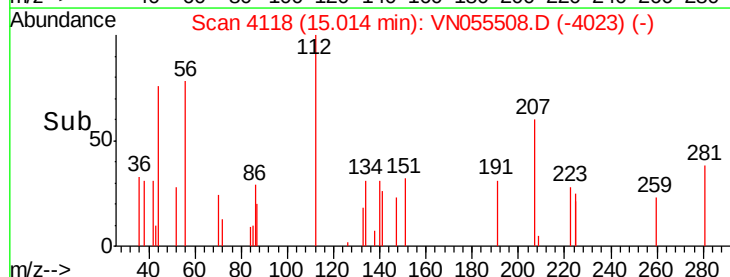
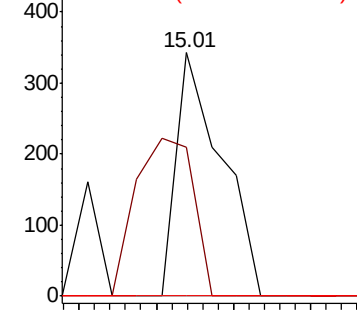
227 0.0 32.0 96.0#

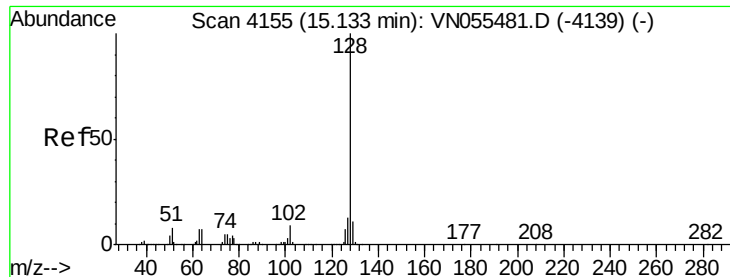


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.605 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

Instrument :

MSVOA_N

ClientSampled :

OVS-3

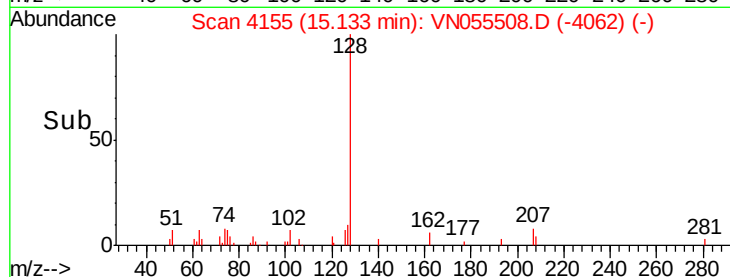
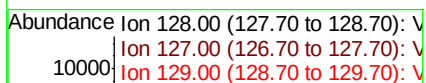
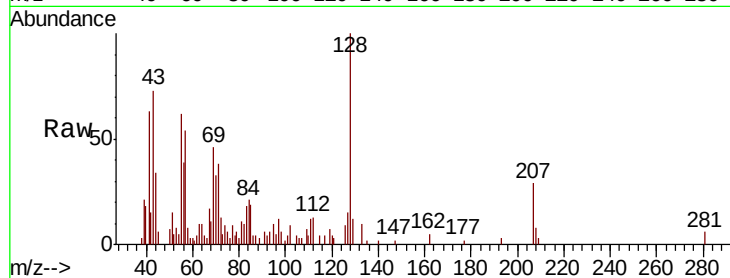
Tot Ion:128 Resp: 14483

Ion Ratio Lower Upper

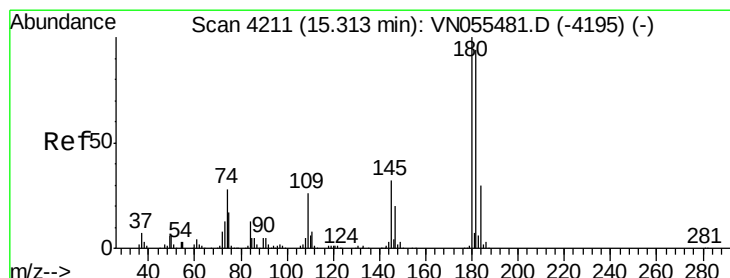
128 100

127 14.5 10.0 15.0

129 12.9 8.8 13.2



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.463 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055508.D

Acq: 9 May 2019 19:49

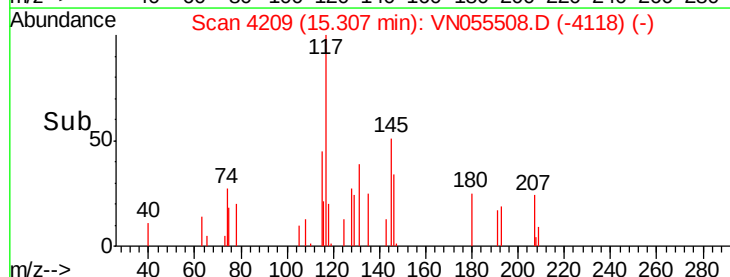
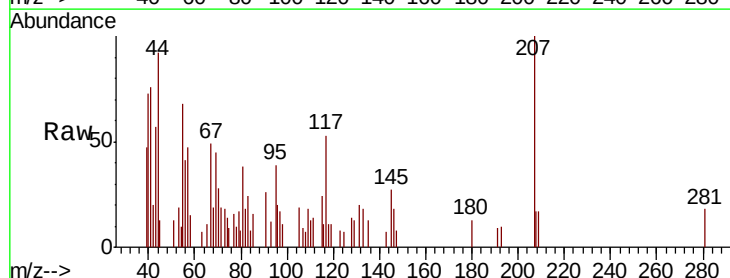
Tgt Ion:180 Resp: 330

Ion Ratio Lower Upper

180 100

182 18.5 47.1 141.3#

145 317.9 15.8 47.4#



Time-->