

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055488.D
 Acq On : 9 May 2019 11:28
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:10:40 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	708516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1211665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1042876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	282771	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	538056	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	402292	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.09	98	1517067	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	434526	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	2324	0.210	ug/l #	88
5) Bromomethane	2.56	94	1772	0.292	ug/l	87
7) Trichlorofluoromethane	3.02	101	2592	0.214	ug/l	87
11) Tert butyl alcohol	4.81	59	966	0.613	ug/l #	73
13) Acrolein	3.60	56	836	0.796	ug/l #	78
15) Acrylonitrile	4.99	53	3358	0.688	ug/l #	23
16) Acetone	3.81	43	2622	0.531	ug/l #	73
17) Carbon Disulfide	4.04	76	5131	0.243	ug/l	97
18) Methyl Acetate	4.34	43	8757	Below Cal		92
23) Vinyl Acetate	5.90	43	16447	0.660	ug/l	98
25) 2-Butanone	6.86	43	5621	0.824	ug/l #	90
29) Tetrahydrofuran	7.22	42	2768	0.614	ug/l #	67
31) Cyclohexane	7.66	56	17446	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	56176	4.706	ug/l #	51
38) Carbon Tetrachloride	7.67	117	67914	6.757	ug/l #	16
42) 1,2-Dichloroethane	8.12	62	3708	0.285	ug/l	81
44) Trichloroethene	8.83	130	1892	0.215	ug/l	68
49) 1,4-Dioxane	9.21	88	179	0.964	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	10061	0.773	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.70	63	2148	12.987	ug/l #	89
59) 2-Hexanone	10.75	43	6153	0.674	ug/l	99
68) m/p-Xylenes	11.62	106	4437	0.307	ug/l	91
73) Isopropylbenzene	12.25	105	5720	Below Cal		96
75) 1,1,2,2-Tetrachloroethane	12.51	83	1995	Below Cal	#	91
76) 1,2,3-Trichloropropane	12.40	75	220773	28.679	ug/l #	100
78) n-propylbenzene	12.59	91	6549	0.216	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	220773	105.823	ug/l #	7
82) 4-Chlorotoluene	12.78	91	3773	0.211	ug/l	97
83) tert-Butylbenzene	12.99	119	3906	0.202	ug/l	99
85) sec-Butylbenzene	13.17	105	5706	0.221	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2061	0.214	ug/l	82
88) 1,4-Dichlorobenzene	13.28	146	2061	0.217	ug/l	82
89) n-Butylbenzene	13.62	91	3550	0.218	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	2836	0.295	ug/l	70

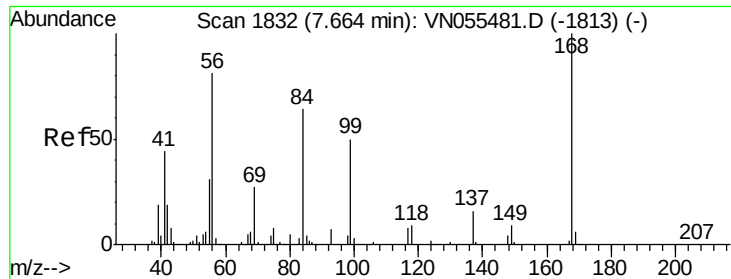
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
Data File : VN055488.D
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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1272	3.489	ug/l #	85
94) Hexachlorobutadiene	15.00	225	941	Below Cal	#	75
95) Naphthalene	15.13	128	2948	3.172	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	624	2.554	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

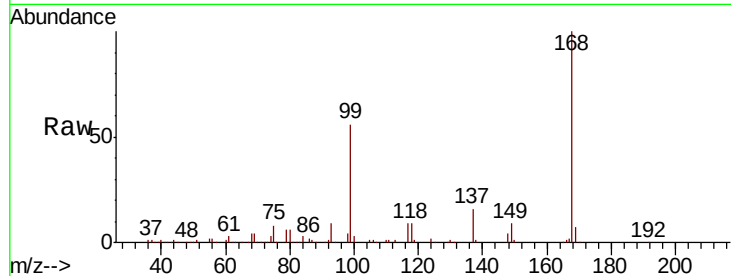
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 708516

Ion Ratio Lower Upper

168 100

99 56.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

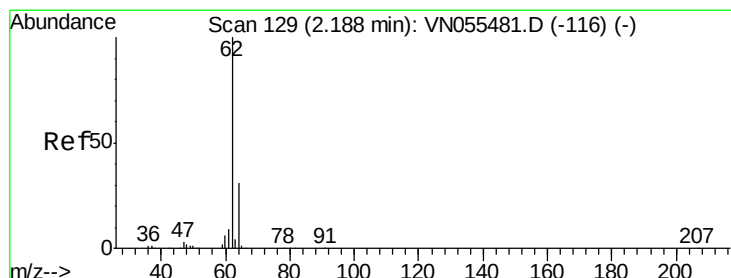
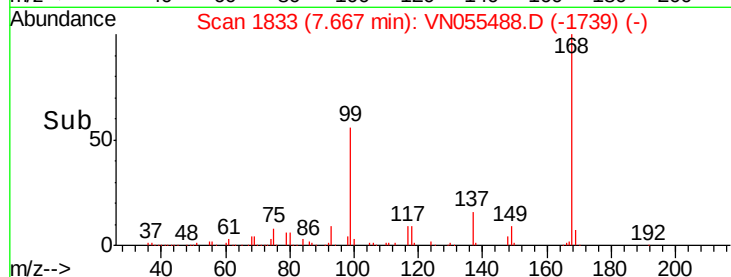
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 0.210 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055488.D

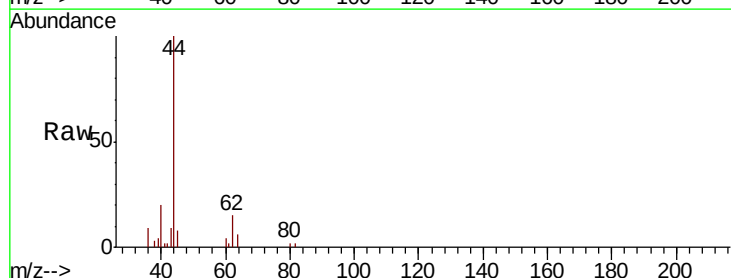
Acq: 9 May 2019 11:28

Tgt Ion: 62 Resp: 2324

Ion Ratio Lower Upper

62 100

64 37.7 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

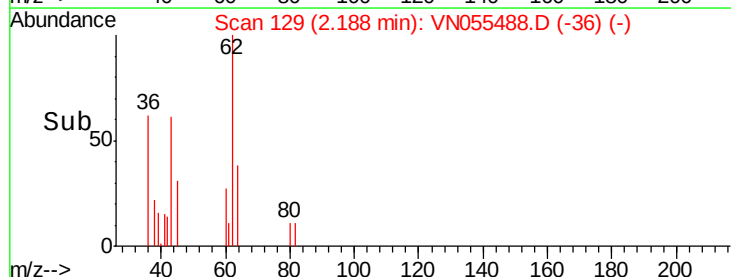
1500

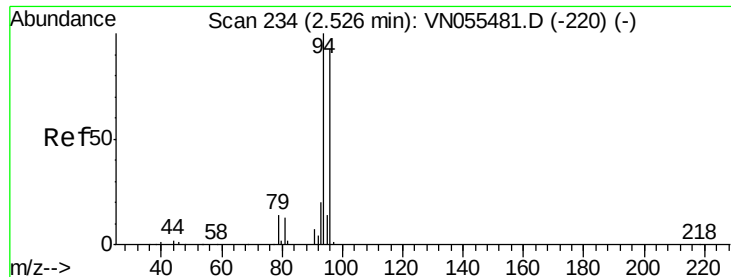
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.292 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

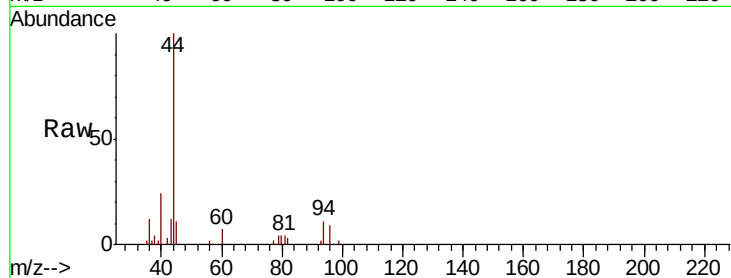
ClientSampled :

Tot Ion: 94 Resp: 1772

Ion Ratio Lower Upper

94 100

96 81.4 74.8 112.2

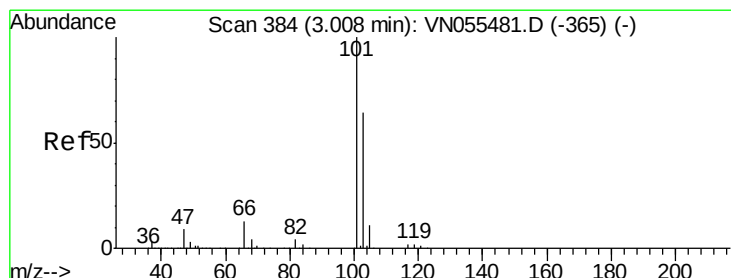
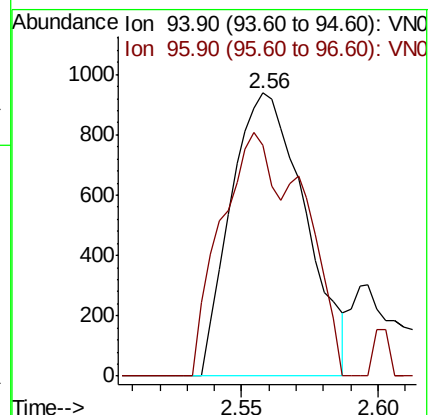
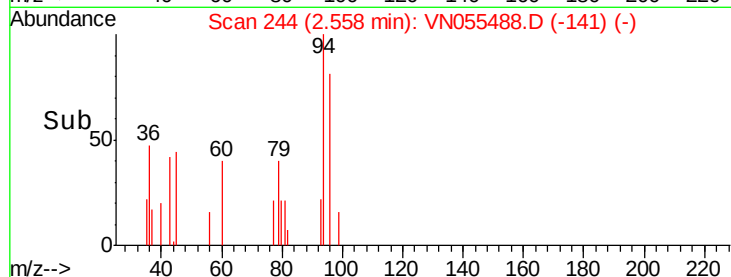


Abundance Ion 93.90 (93.60 to 94.60): VN055488.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN055488.D (-220) (-)

2.56

2.60



#7

Trichlorofluoromethane

Concen: 0.214 ug/l

RT: 3.02 min Scan# 388

Delta R.T. 0.01 min

Lab File: VN055488.D

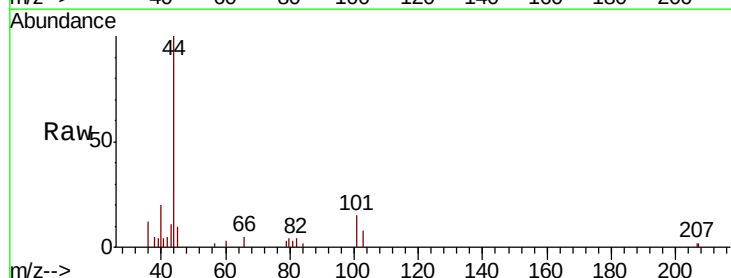
Acq: 9 May 2019 11:28

Tgt Ion: 101 Resp: 2592

Ion Ratio Lower Upper

101 100

103 53.6 51.2 76.8

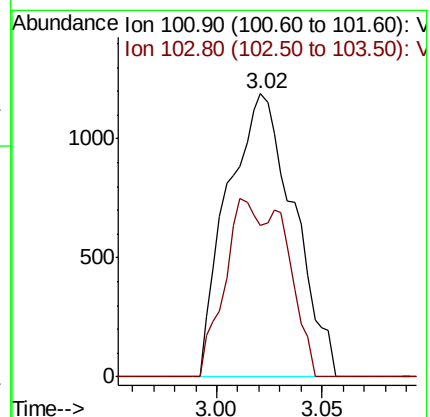
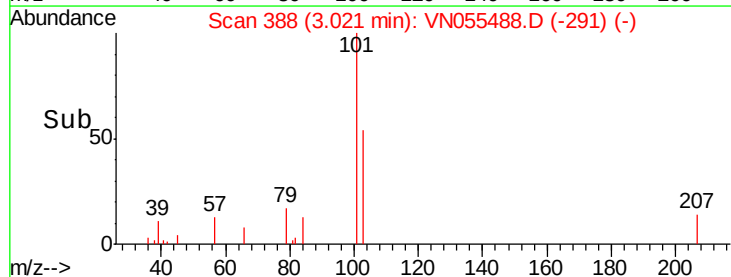


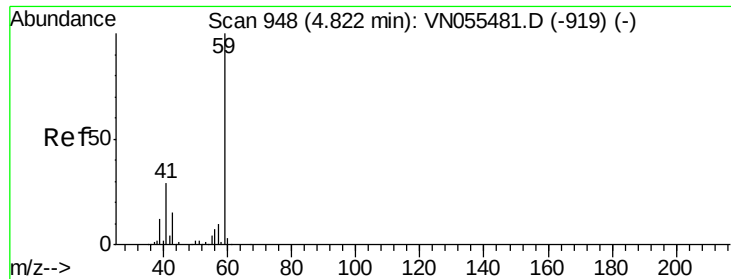
Abundance Ion 100.90 (100.60 to 101.60): VN055488.D (-291) (-)

Ion 102.80 (102.50 to 103.50): VN055488.D (-291) (-)

3.02

3.05

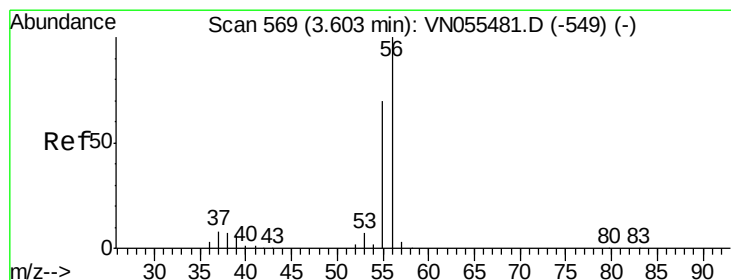
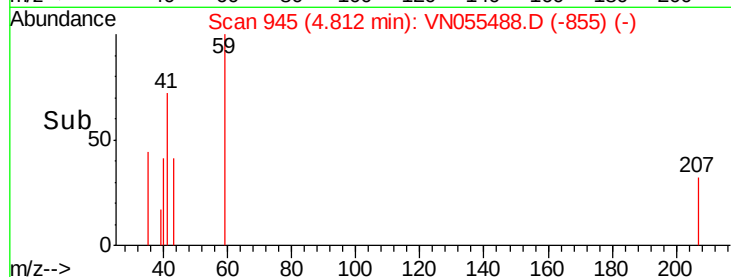
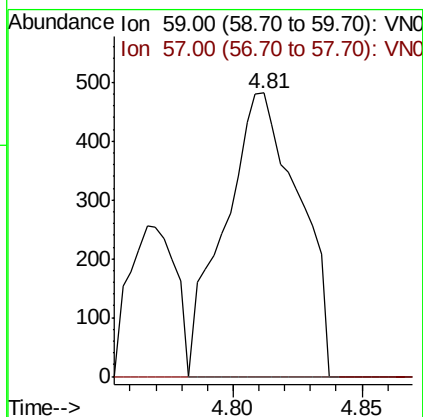
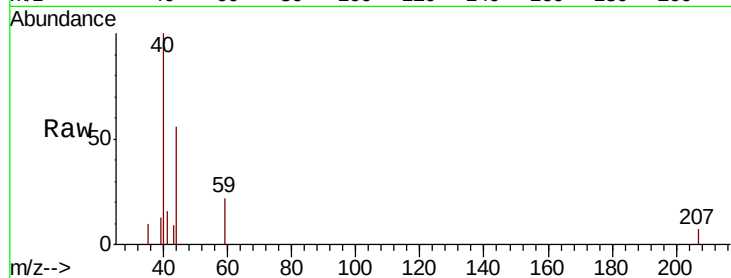




#11
Tert butyl alcohol
Concen: 0.613 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

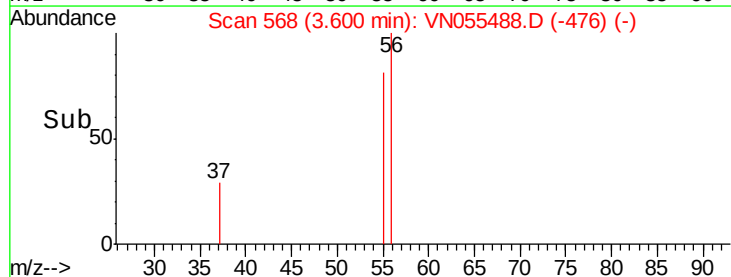
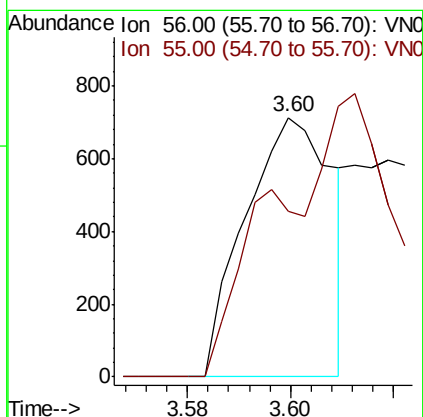
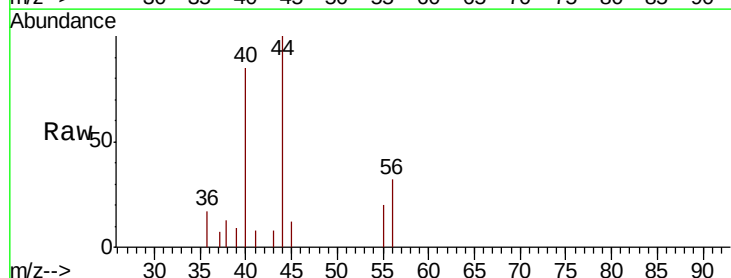
Instrument :
MSVOA_N
ClientSampled :

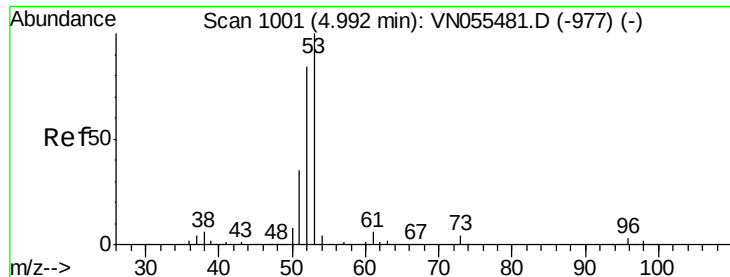
Tot Ion: 59 Resp: 966
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.796 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

Tgt Ion: 56 Resp: 836
Ion Ratio Lower Upper
56 100
55 54.1 57.7 86.5#

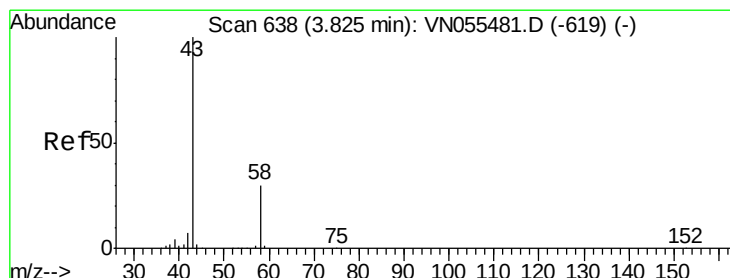
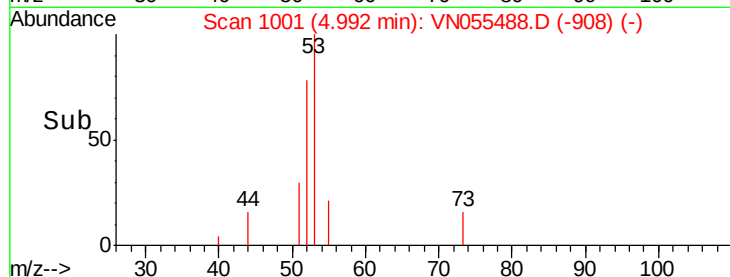
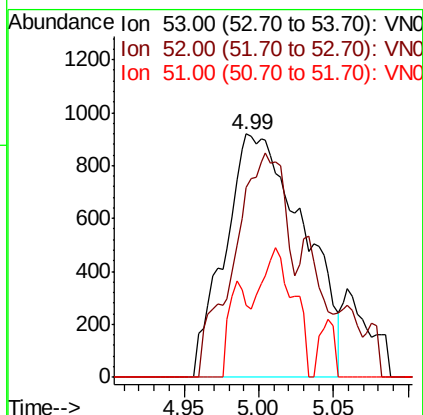
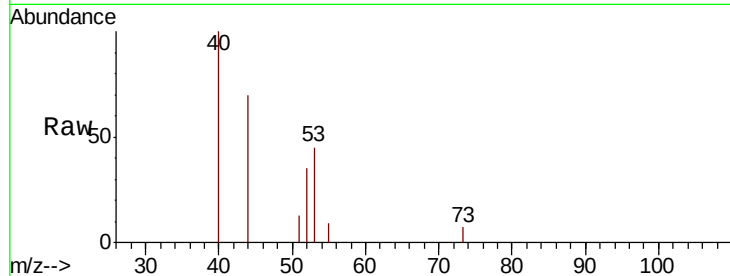




#15
 Acrylonitrile
 Concen: 0.688 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

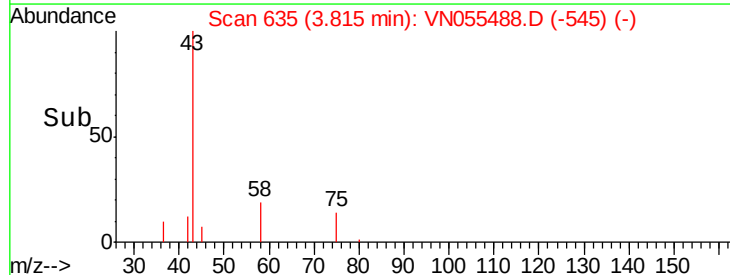
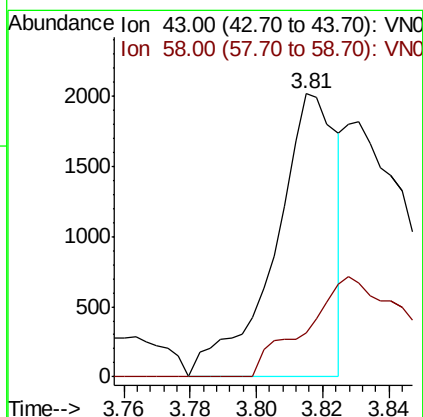
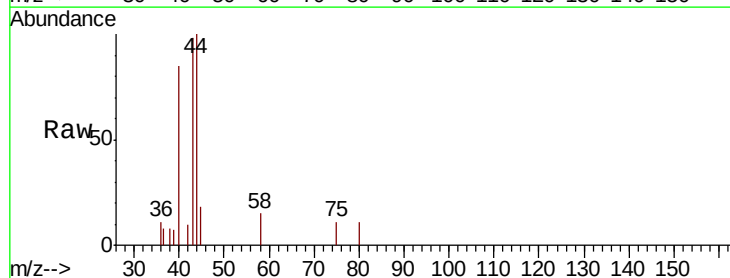
Instrument :
 MSVOA_N
 ClientSampled :

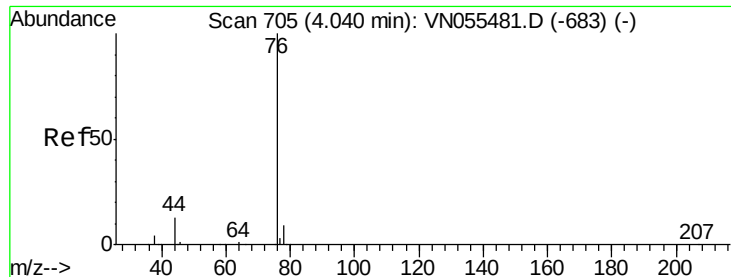
Tot Ion: 53 Resp: 3358
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.1 99.1#
 51 10.1 28.3 42.5#



#16
 Acetone
 Concen: 0.531 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion: 43 Resp: 2622
 Ion Ratio Lower Upper
 43 100
 58 15.4 24.2 36.2#





#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

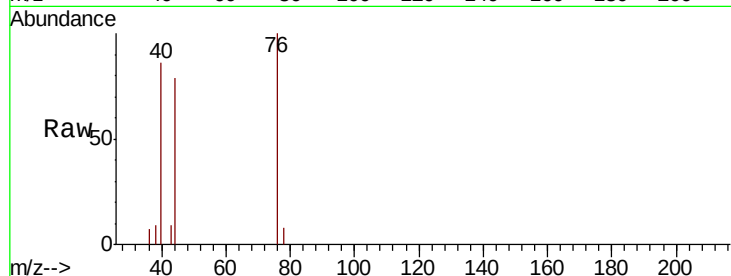
ClientSampled :

Tot Ion: 76 Resp: 5131

Ion Ratio Lower Upper

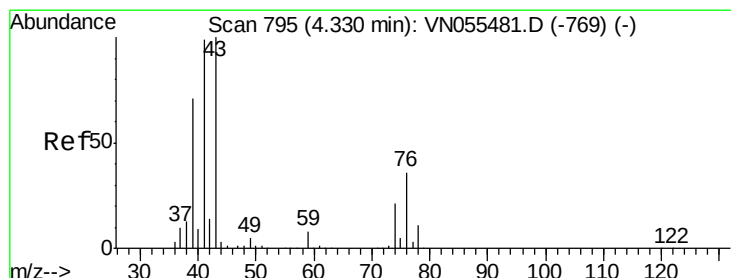
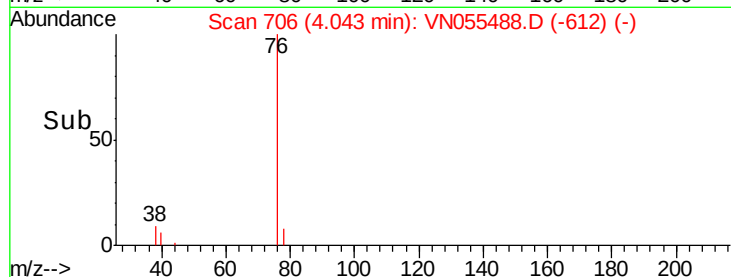
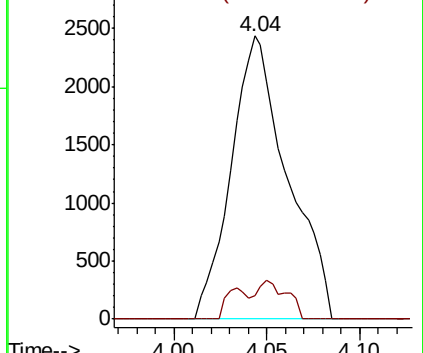
76 100

78 8.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055488.D

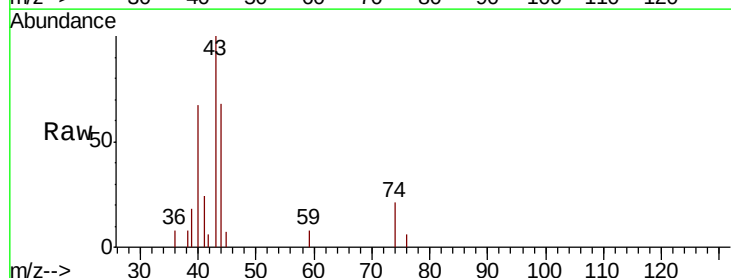
Acq: 9 May 2019 11:28

Tgt Ion: 43 Resp: 8757

Ion Ratio Lower Upper

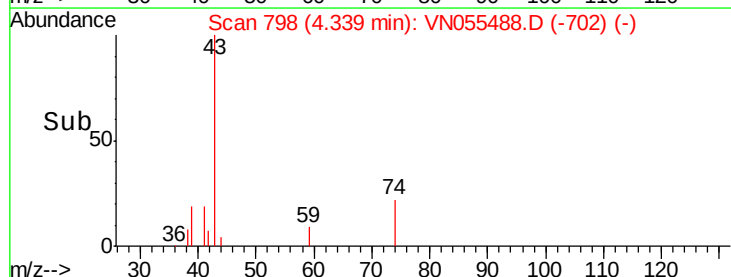
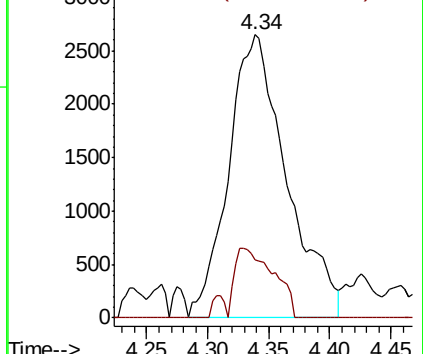
43 100

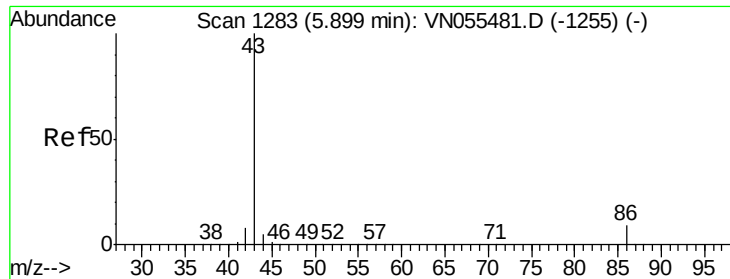
74 16.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

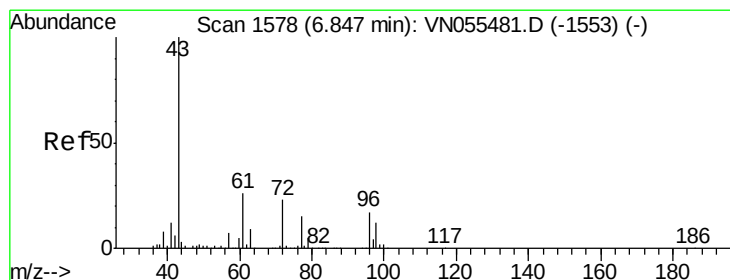
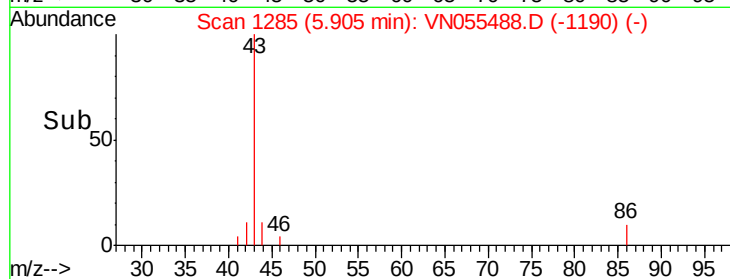
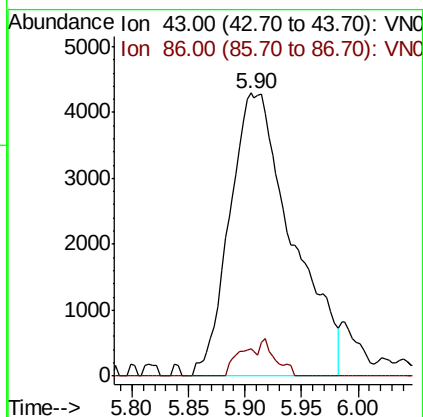
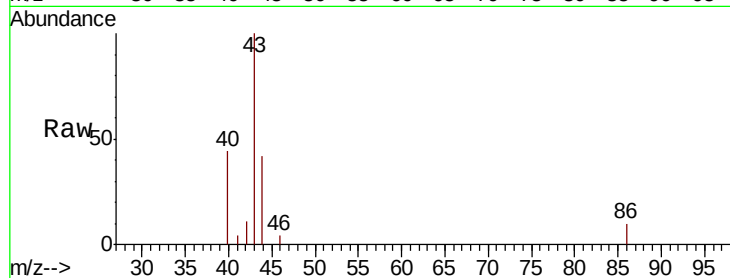




#23
 Vinyl Acetate
 Concen: 0.660 ug/l
 RT: 5.90 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

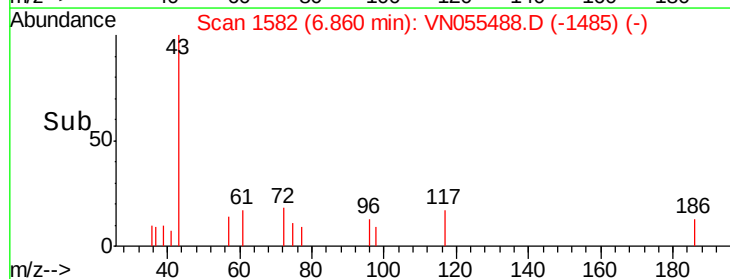
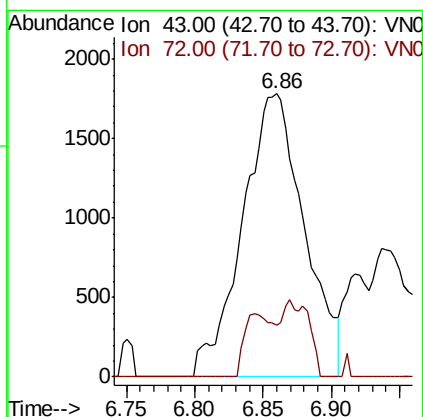
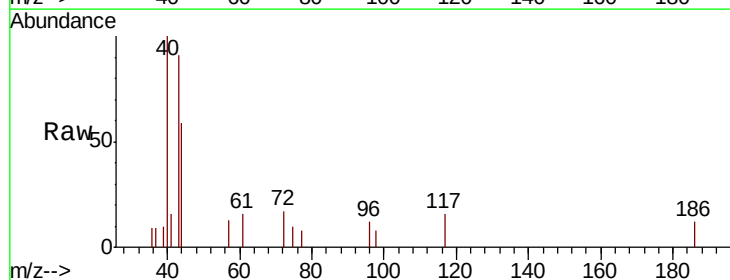
Instrument :
 MSVOA_N
 ClientSampleId :

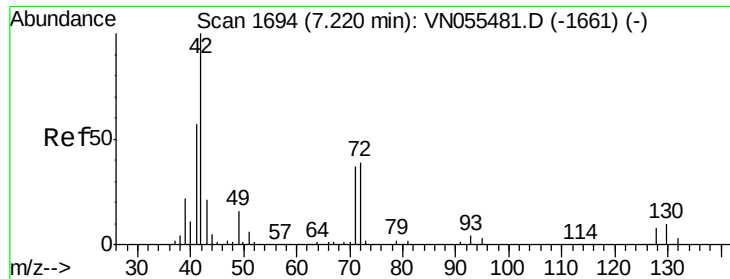
Tot Ion: 43 Resp: 16447
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.1 10.7



#25
 2-Butanone
 Concen: 0.824 ug/l
 RT: 6.86 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion: 43 Resp: 5621
 Ion Ratio Lower Upper
 43 100
 72 18.5 18.6 27.8#

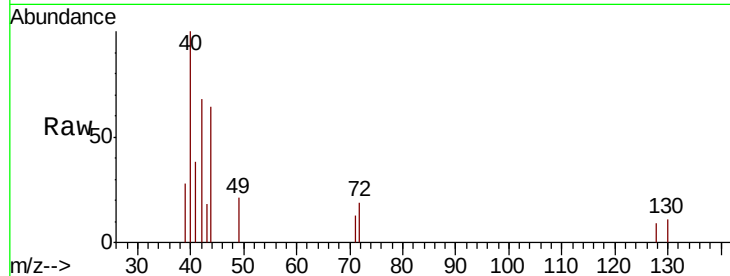




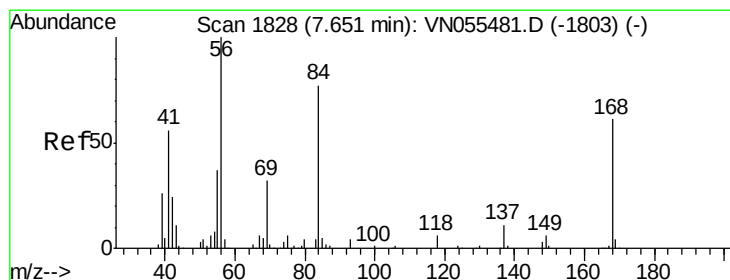
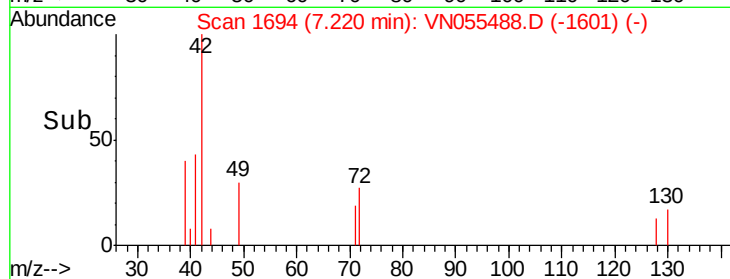
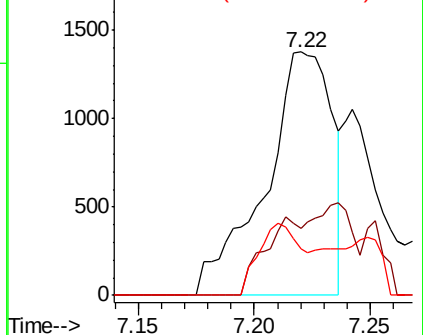
#29
Tetrahydrofuran
Concen: 0.614 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 2768
Ion Ratio Lower Upper
42 100
72 17.5 31.0 46.6#
71 18.5 29.4 44.2#

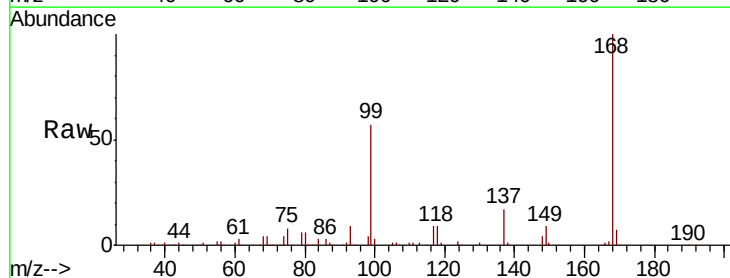


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

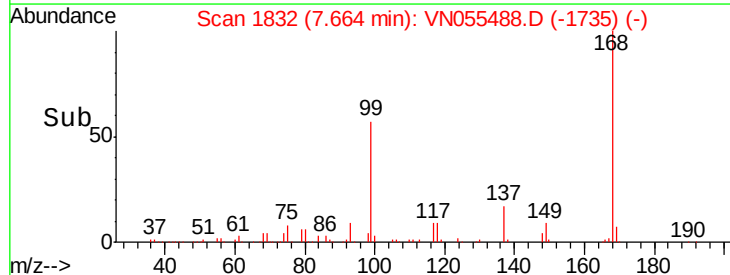
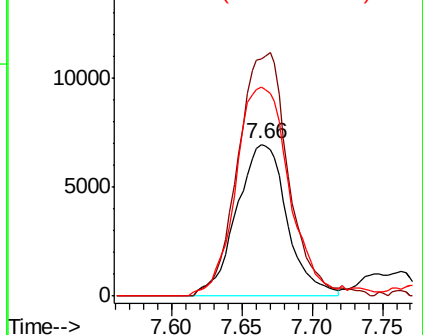


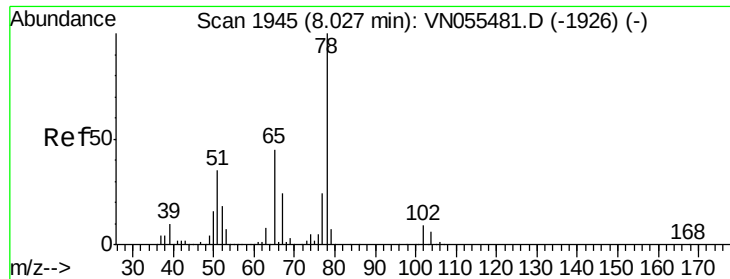
#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

Tgt Ion: 56 Resp: 17446
Ion Ratio Lower Upper
56 100
69 156.4 26.0 39.0#
84 137.5 61.9 92.9#



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

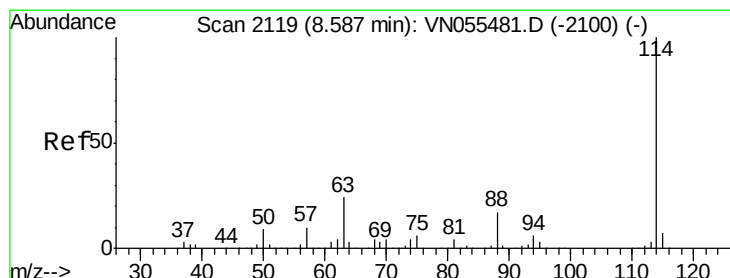
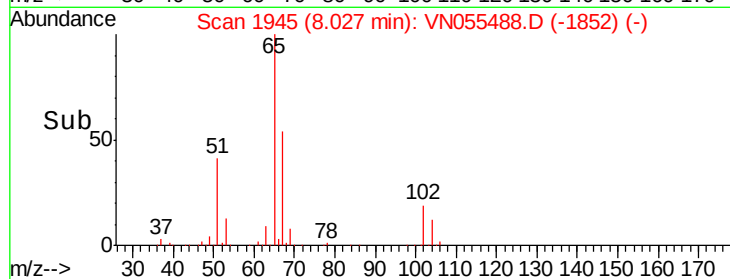
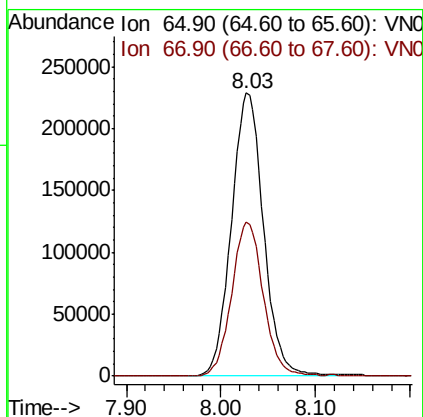
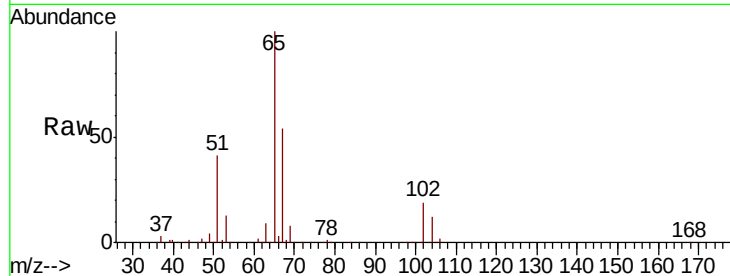




#33
 1,2-Dichloroethane-d4
 Concen: 50.437 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

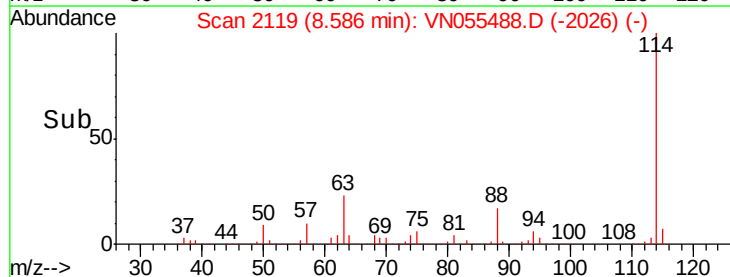
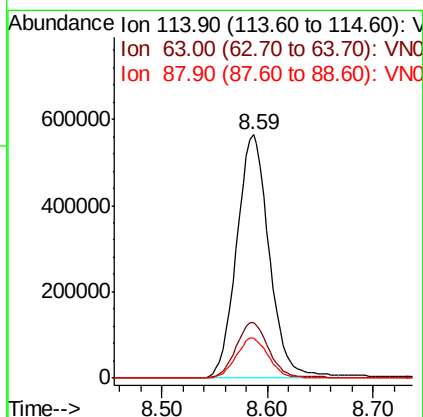
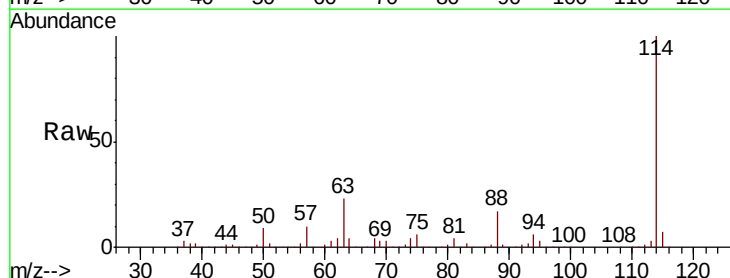
Instrument :
 MSVOA_N
 ClientSampled :

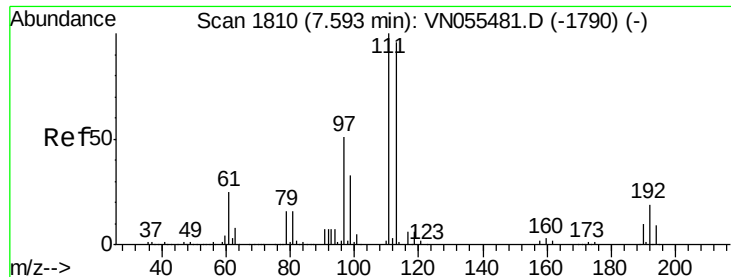
Tot Ion: 65 Resp: 538056
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion: 114 Resp: 1211665
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.469 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :

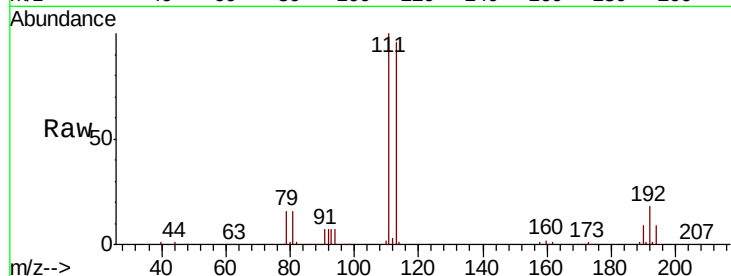
Tot Ion:113 Resp: 402292

Ion Ratio Lower Upper

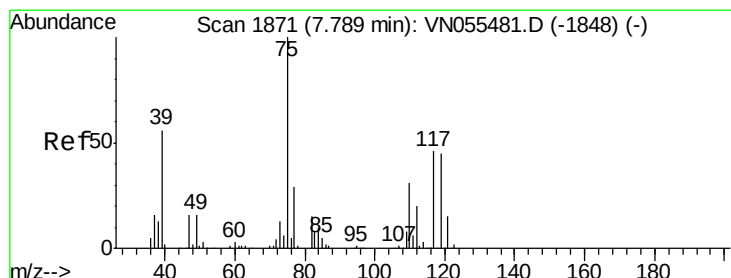
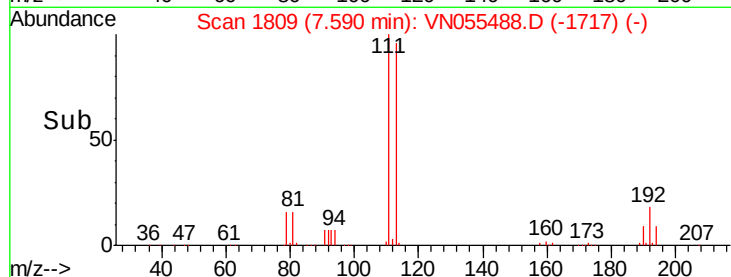
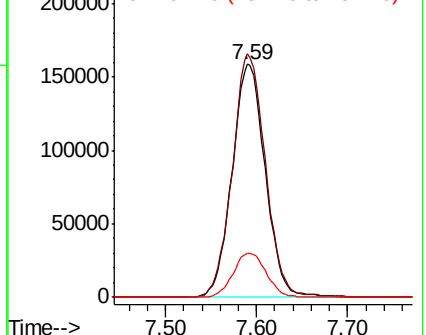
113 100

111 104.1 82.9 124.3

192 19.0 15.6 23.4



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: 4.706 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

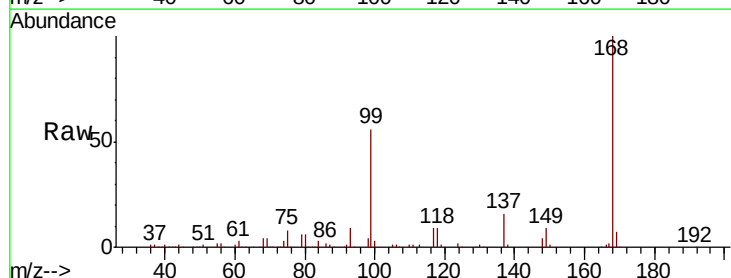
Tgt Ion: 75 Resp: 56176

Ion Ratio Lower Upper

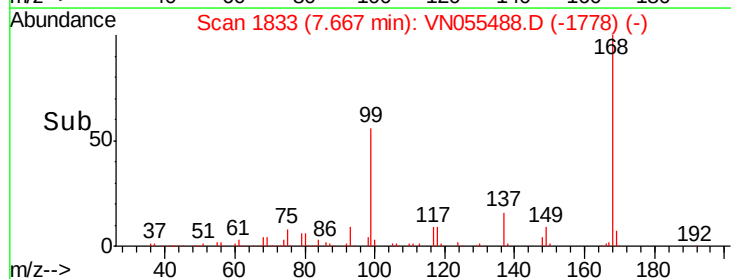
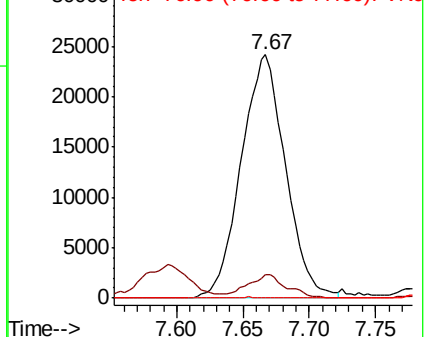
75 100

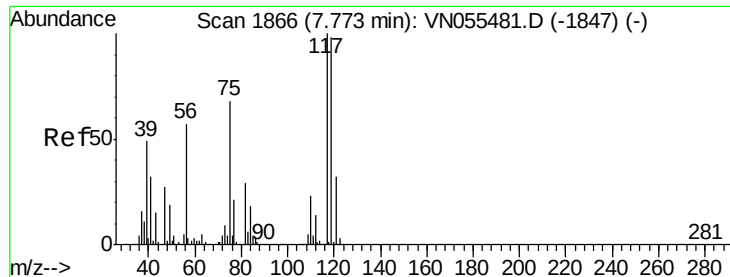
110 8.4 16.1 48.3#

77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.757 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

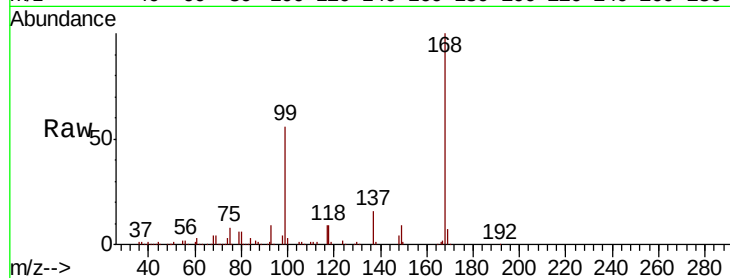
Tot Ion:117 Resp: 67914

Ion Ratio Lower Upper

117 100

119 5.5 77.8 116.6#

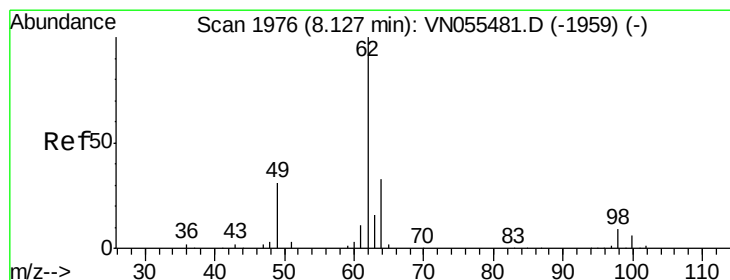
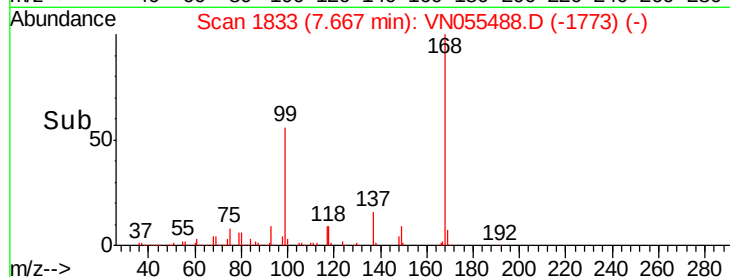
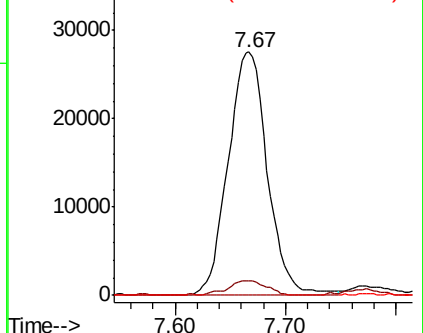
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055488.D

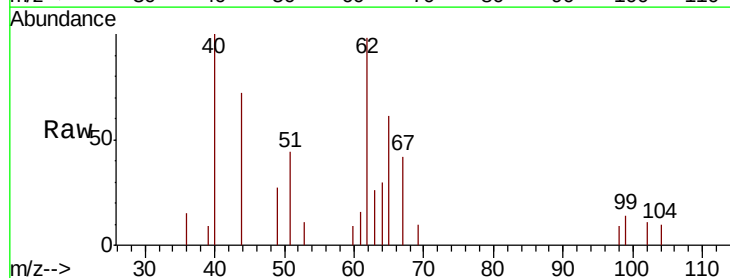
Acq: 9 May 2019 11:28

Tgt Ion: 62 Resp: 3708

Ion Ratio Lower Upper

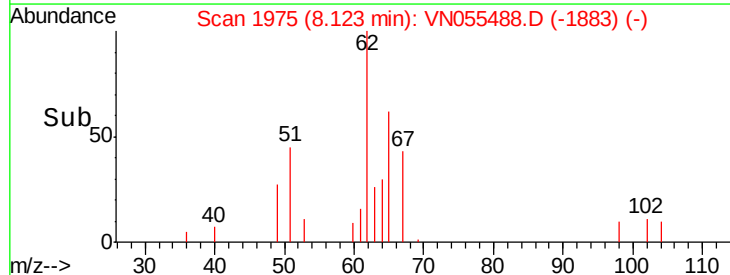
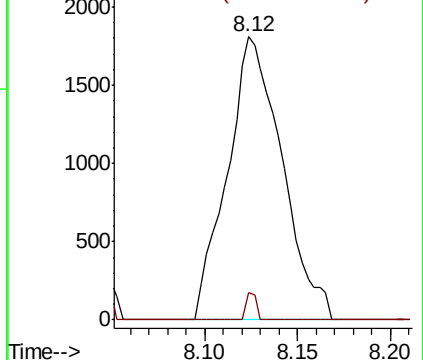
62 100

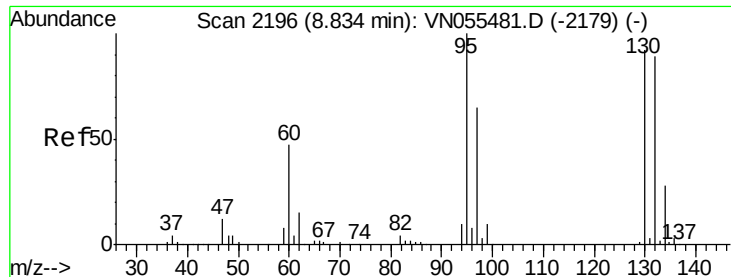
98 1.7 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 0.215 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

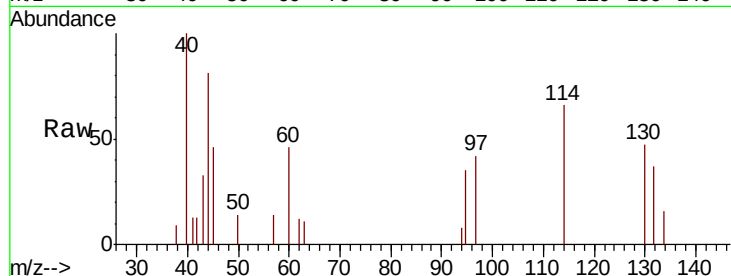
ClientSampled :

Tot Ion:130 Resp: 1892

Ion Ratio Lower Upper

130 100

95 74.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

800

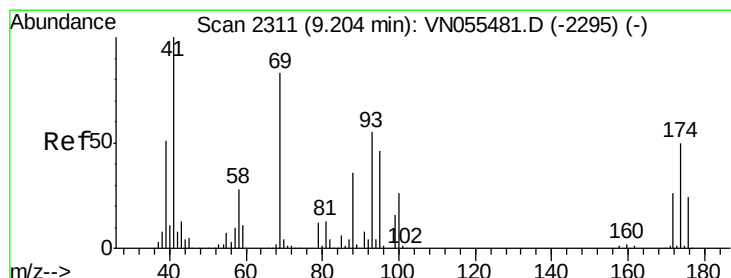
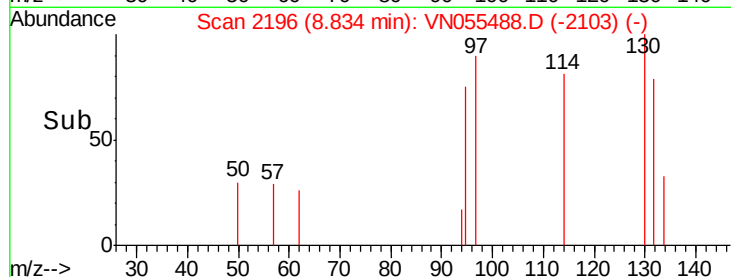
600

400

200

0

Time-->



#49

1,4-Dioxane

Concen: 0.964 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

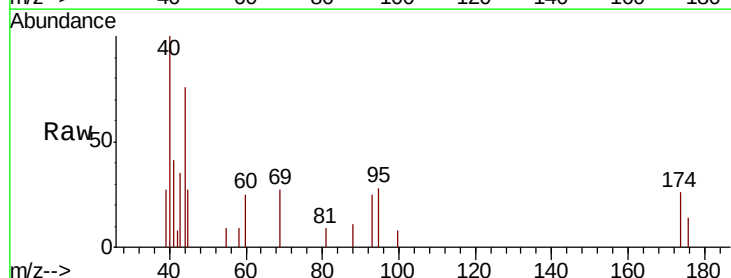
Tgt Ion: 88 Resp: 179

Ion Ratio Lower Upper

88 100

43 112.8 27.8 41.8#

58 0.0 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

1000

800

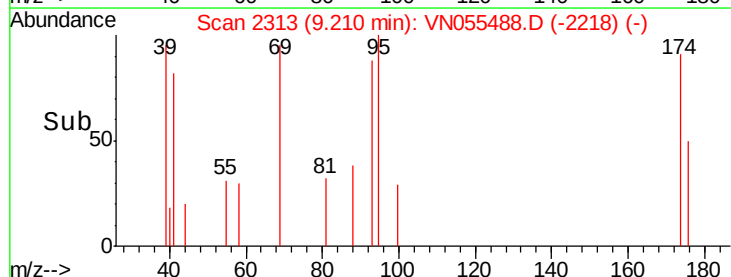
600

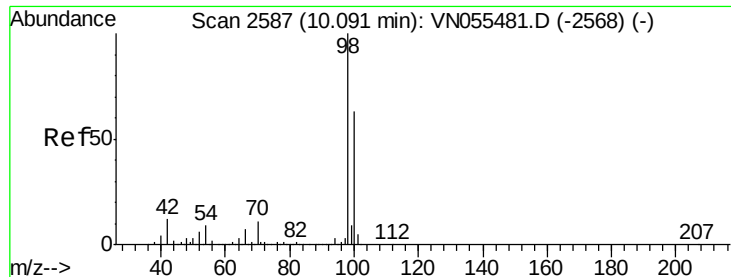
400

200

0

Time-->





#50

Toluene-d8

Concen: 49.807 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

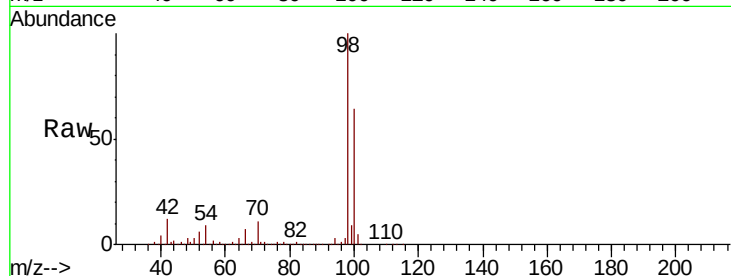
ClientSampled :

Tot Ion: 98 Resp: 1517067

Ion Ratio Lower Upper

98 100

100 63.2 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055488.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN055488.D (-2568) (-)

10.09

800000

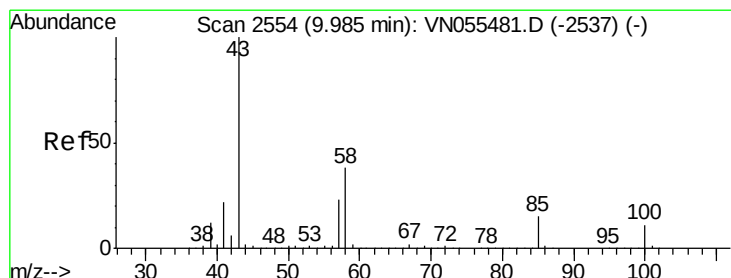
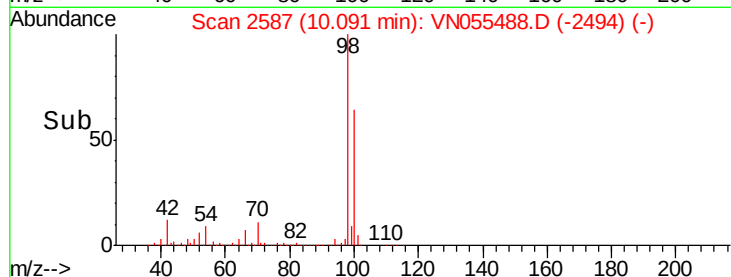
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.773 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055488.D

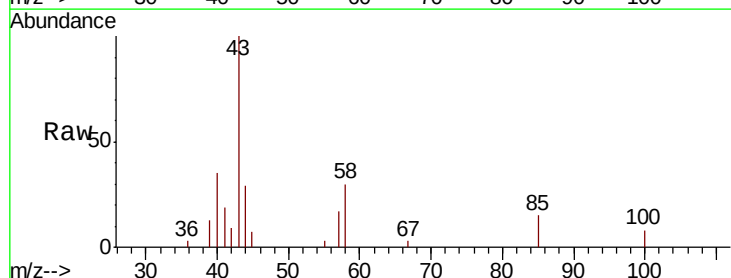
Acq: 9 May 2019 11:28

Tgt Ion: 43 Resp: 10061

Ion Ratio Lower Upper

43 100

58 34.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055488.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055488.D (-2537) (-)

9.99

8000

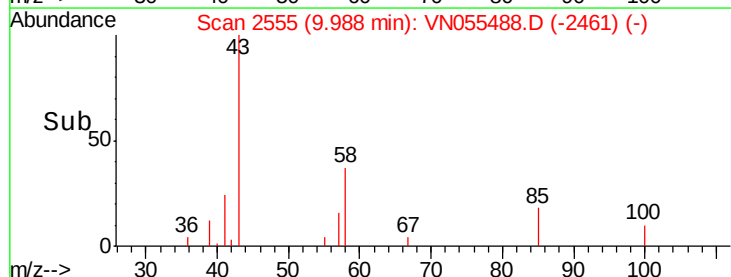
6000

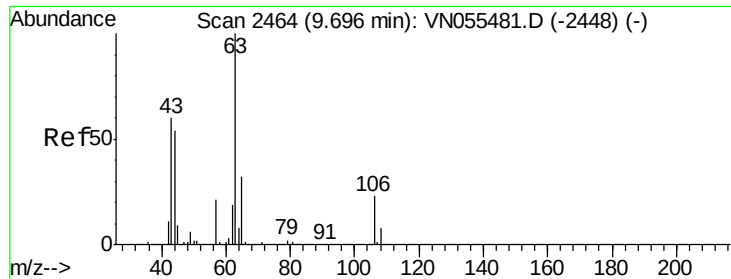
4000

2000

0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 12.987 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

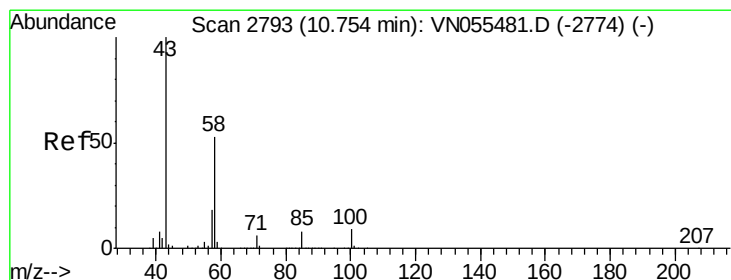
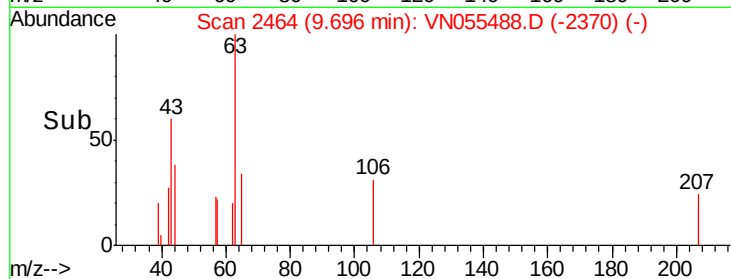
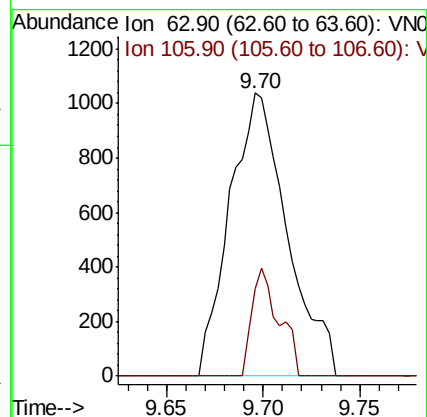
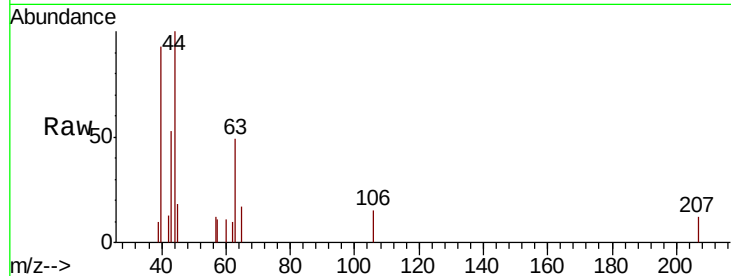
ClientSampled :

Tot Ion: 63 Resp: 2148

Ion Ratio Lower Upper

63 100

106 17.8 18.6 27.8#



#59

2-Hexanone

Concen: 0.674 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055488.D

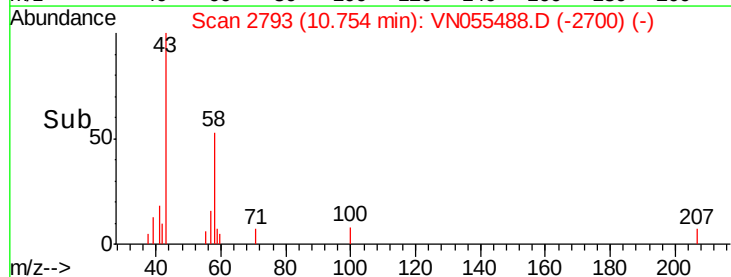
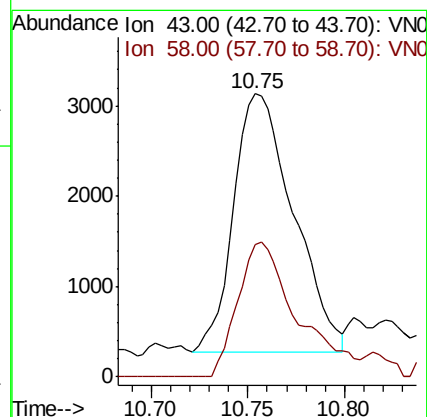
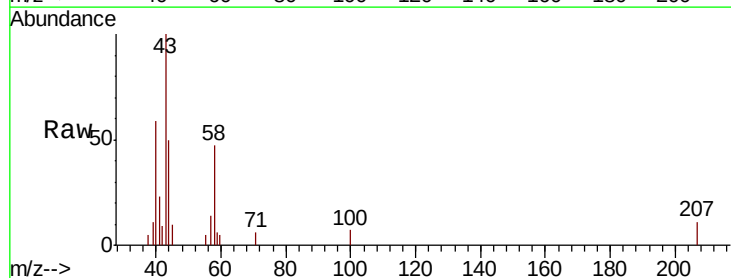
Acq: 9 May 2019 11:28

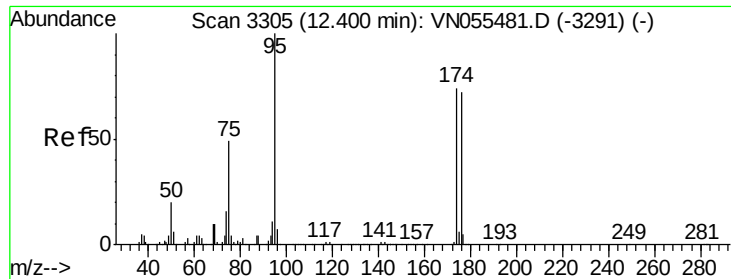
Tgt Ion: 43 Resp: 6153

Ion Ratio Lower Upper

43 100

58 52.2 26.4 79.0





#62

4-Bromofluorobenzene

Concen: 42.309 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

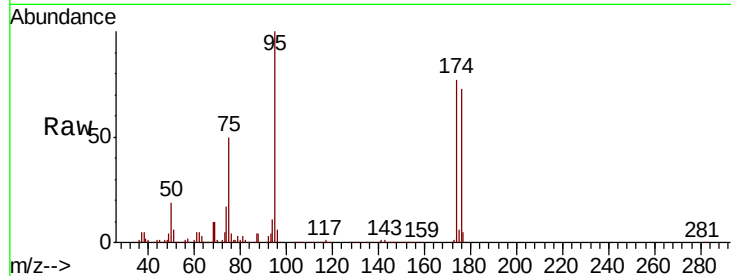
Tot Ion: 95 Resp: 434526

Ion Ratio Lower Upper

95 100

174 78.4 0.0 152.2

176 75.5 0.0 147.8

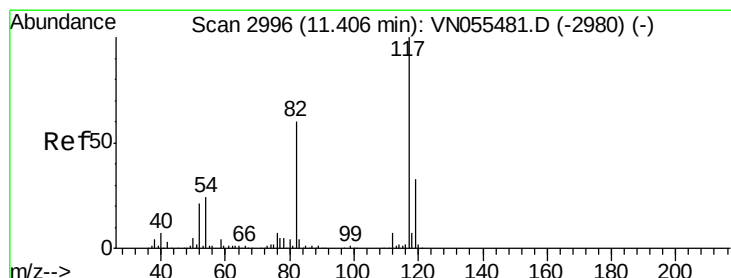
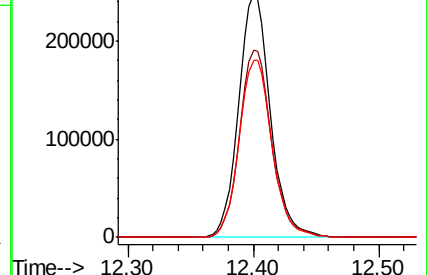
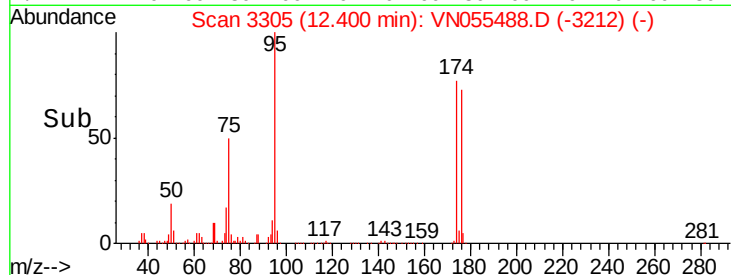


Abundance Ion 94.90 (94.60 to 95.60): VN055488.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055488.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055488.D (-3291) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

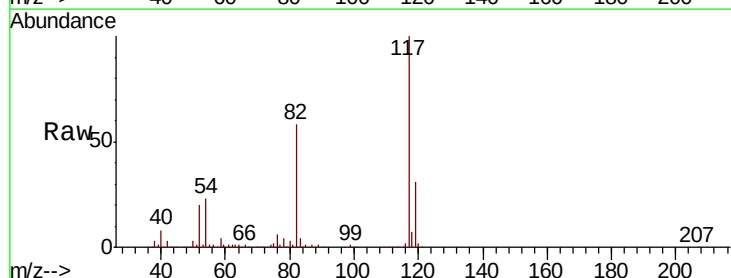
Tgt Ion: 117 Resp: 1042876

Ion Ratio Lower Upper

117 100

82 58.4 48.0 72.0

119 31.4 26.0 39.0

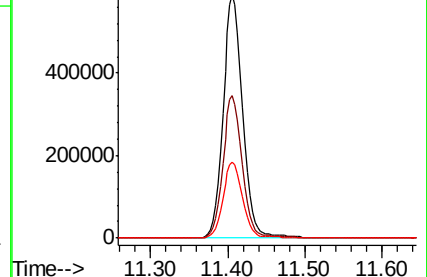
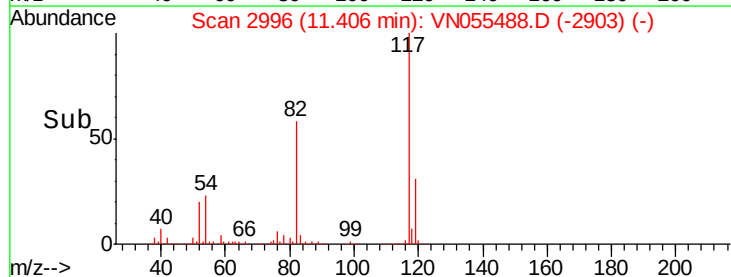


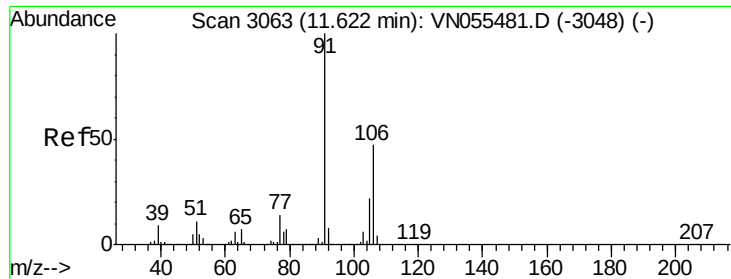
Abundance Ion 116.90 (116.60 to 117.60): VN055488.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055488.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055488.D (-2980) (-)

11.41





#68

m/p-Xvlenes

Concen: 0.307 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

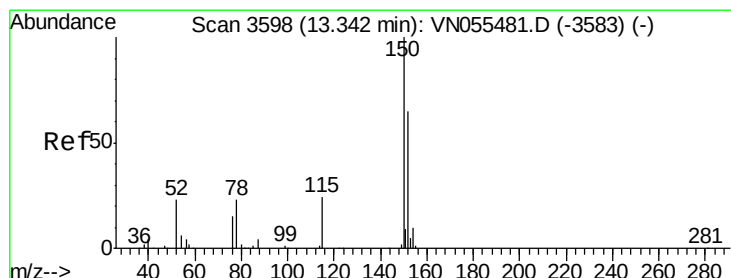
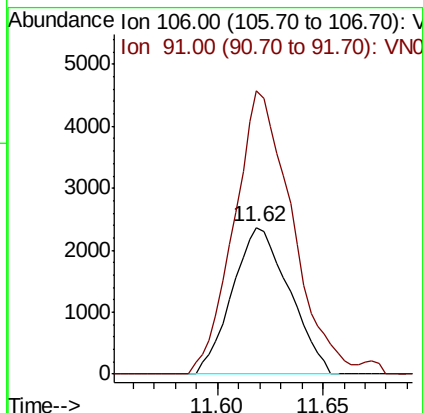
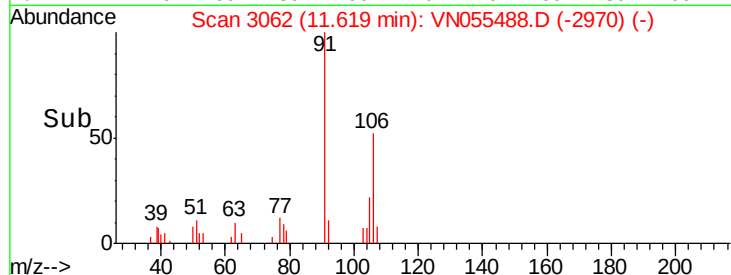
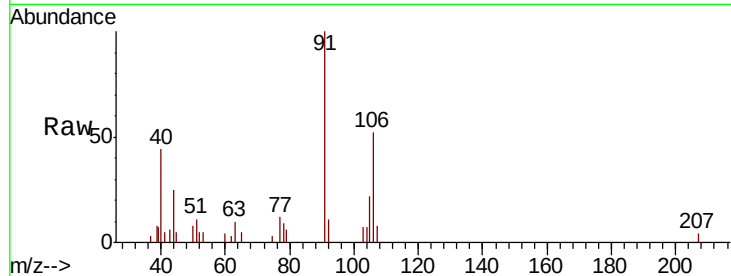
ClientSampleId :

Tot Ion:106 Resp: 4437

Ion Ratio Lower Upper

106 100

91 197.5 169.2 253.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

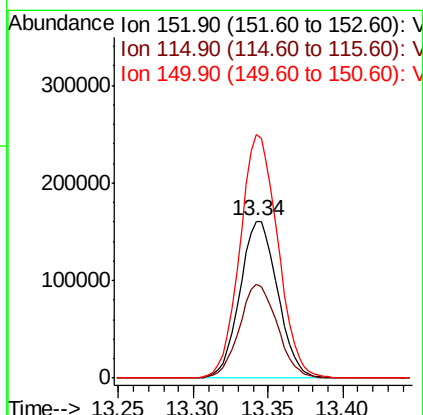
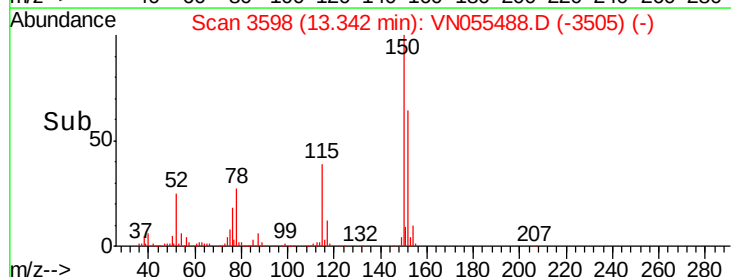
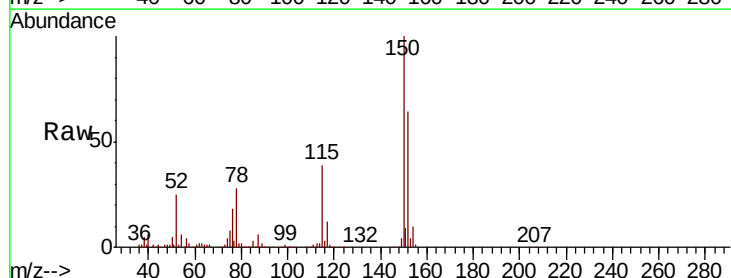
Tgt Ion:152 Resp: 282771

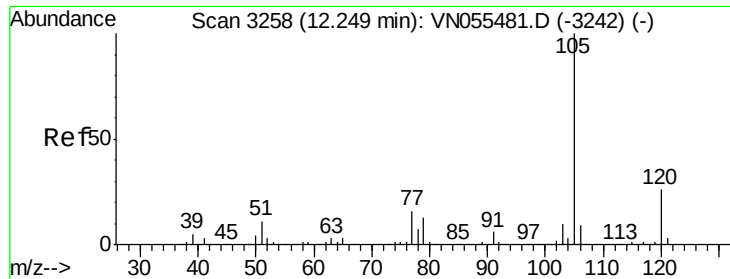
Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.5

150 156.3 0.0 355.0





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

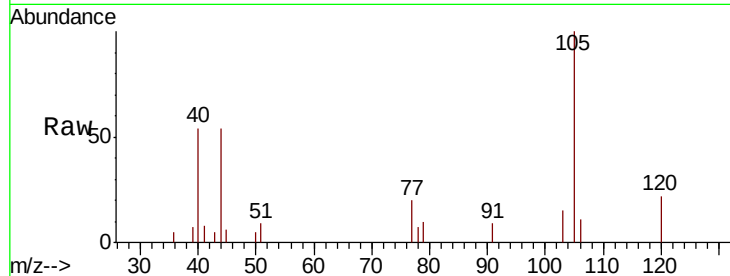
ClientSampleId :

Tot Ion:105 Resp: 5720

Ion Ratio Lower Upper

105 100

120 24.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

4000

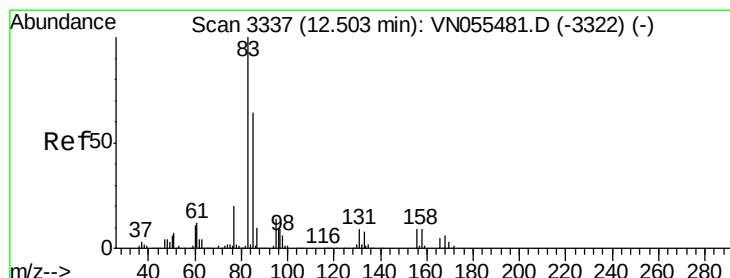
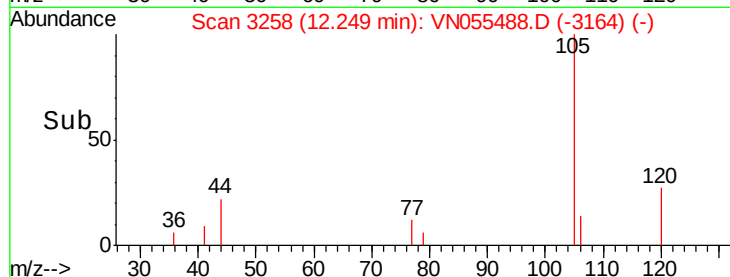
3000

2000

1000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

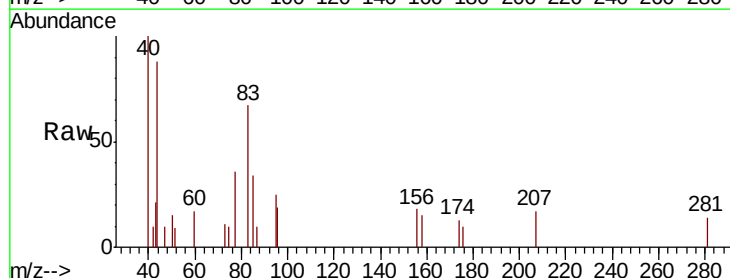
Tgt Ion: 83 Resp: 1995

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 58.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

12.51

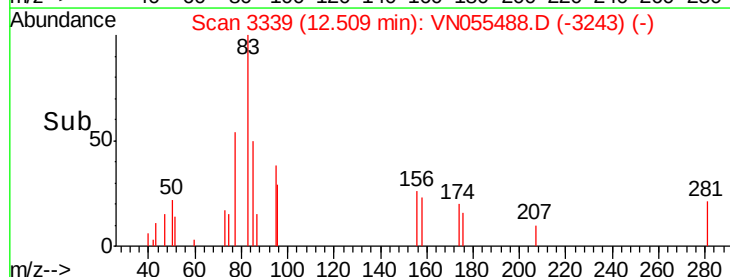
1500

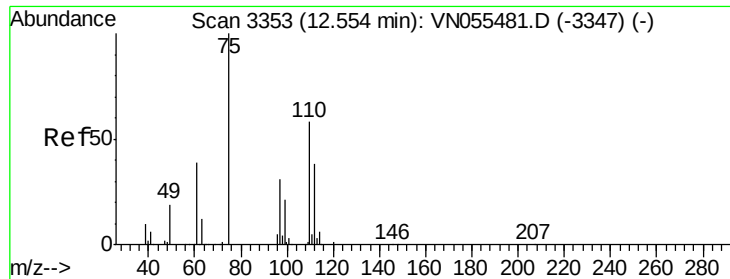
1000

500

0

Time-->

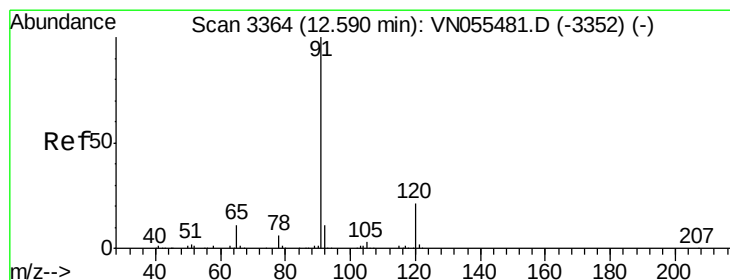
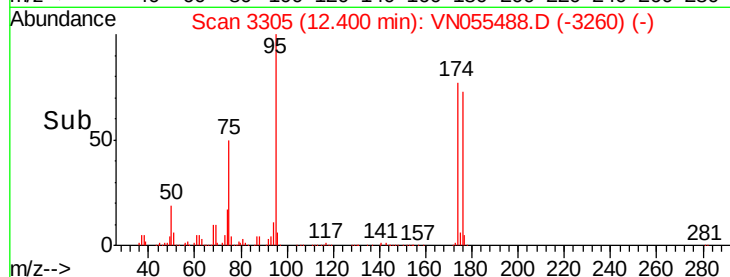
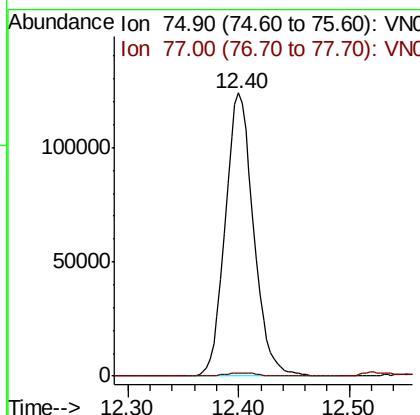
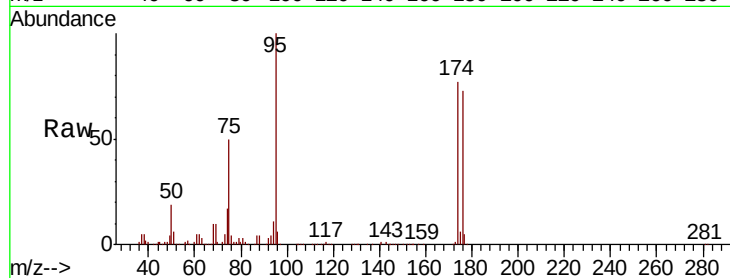




#76
 1,2,3-Trichloropropane
 Concen: 28.679 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

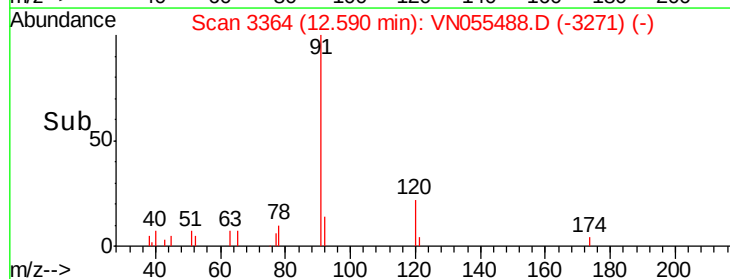
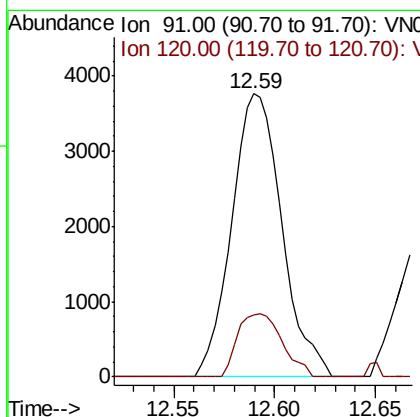
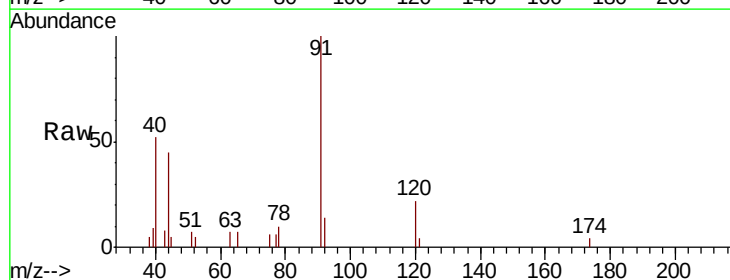
Instrument :
 MSVOA_N
 ClientSampled :

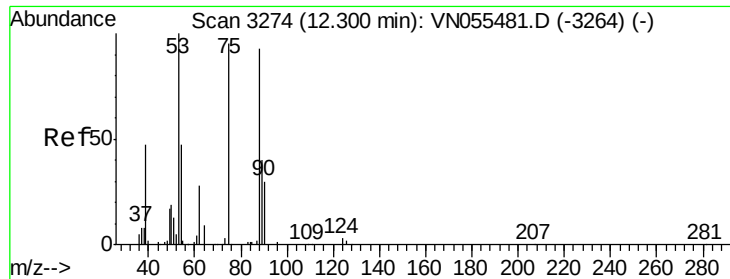
Tot Ion: 75 Resp: 220773
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.216 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion: 91 Resp: 6549
 Ion Ratio Lower Upper
 91 100
 120 19.9 10.8 32.3





#81

trans-1,4-Dichloro-2-butene

Concen: 105.823 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

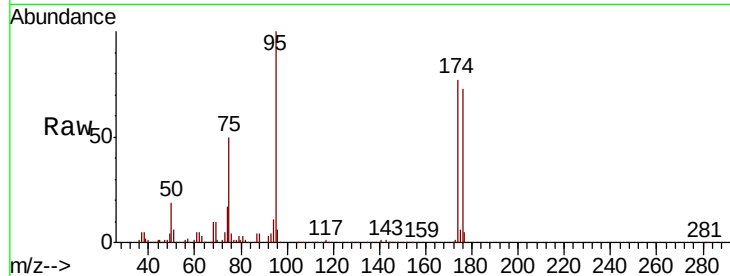
Tot Ion: 75 Resp: 220773

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

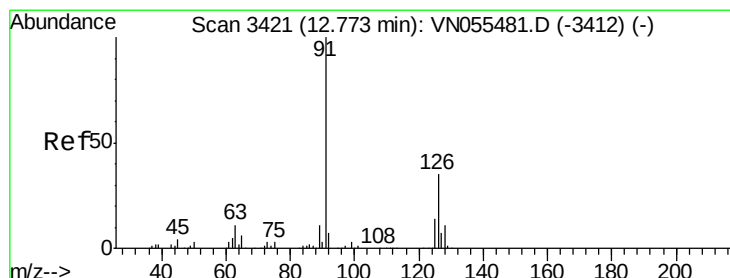
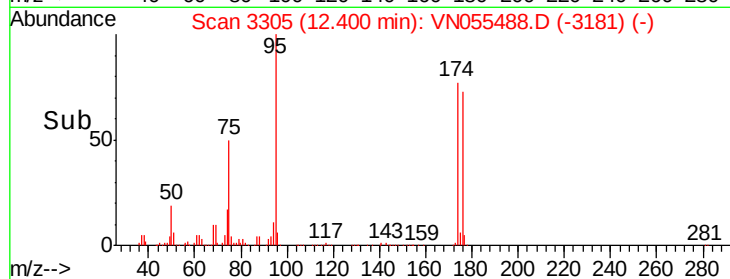
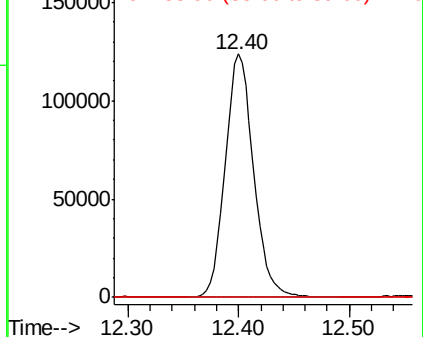
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.211 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN055488.D

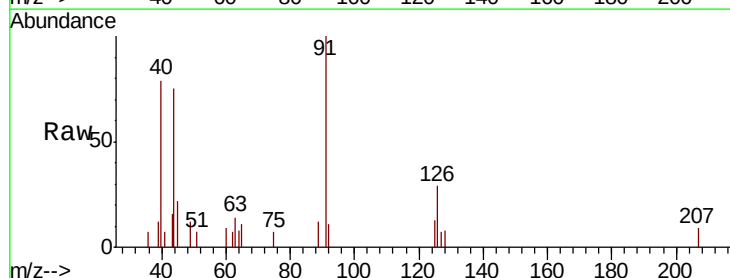
Acq: 9 May 2019 11:28

Tgt Ion: 91 Resp: 3773

Ion Ratio Lower Upper

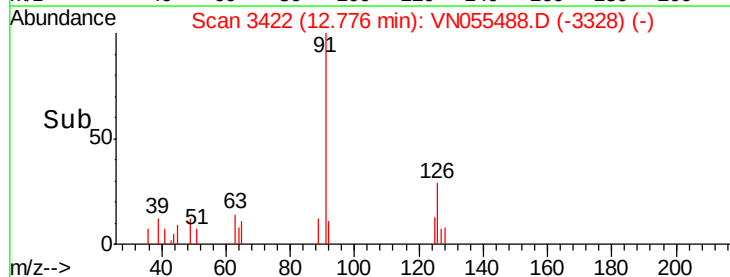
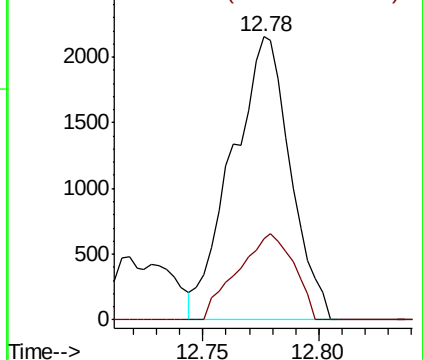
91 100

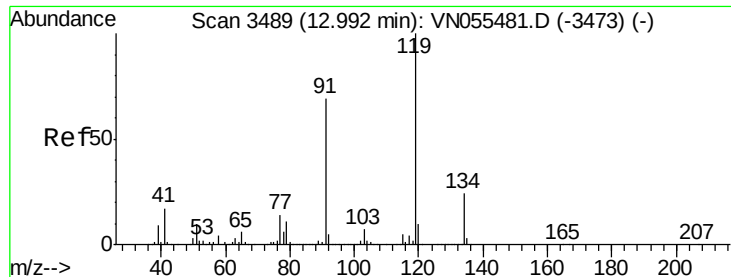
126 29.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

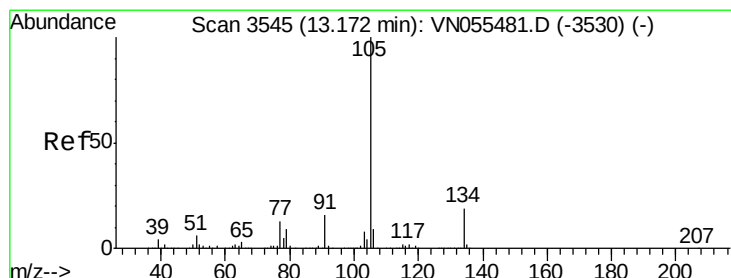
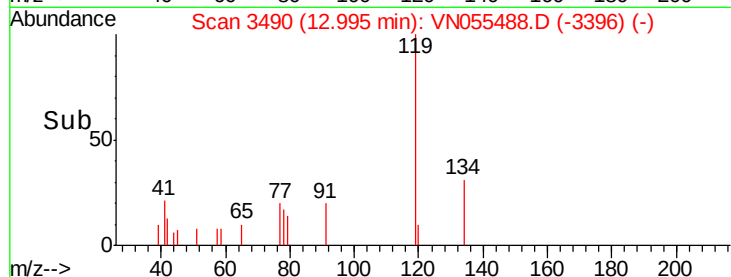
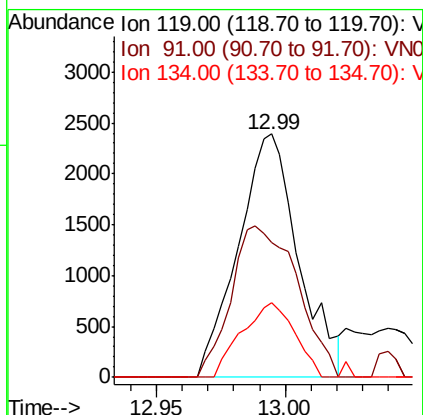
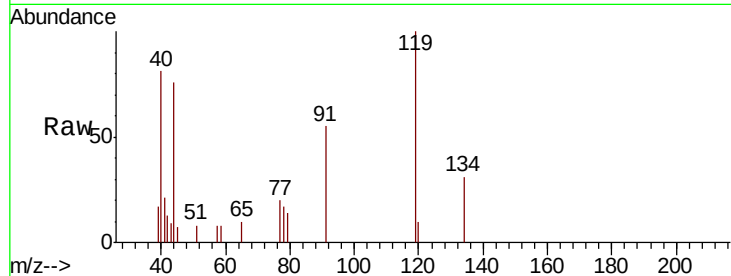




#83
tert-Butylbenzene
Concen: 0.202 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

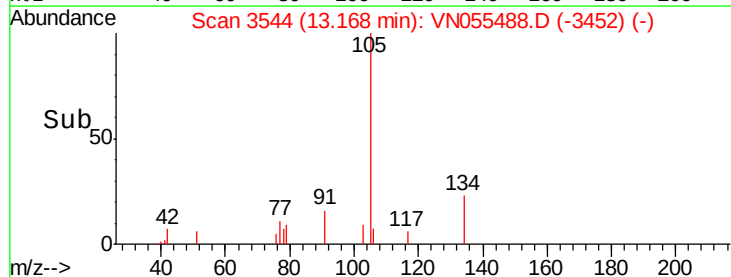
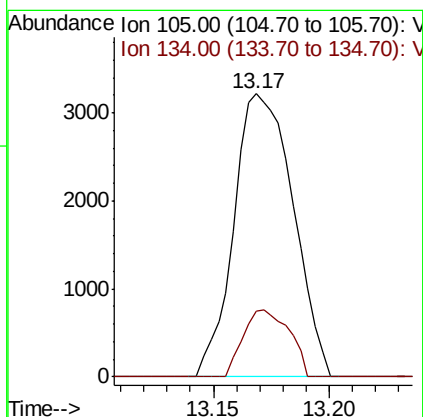
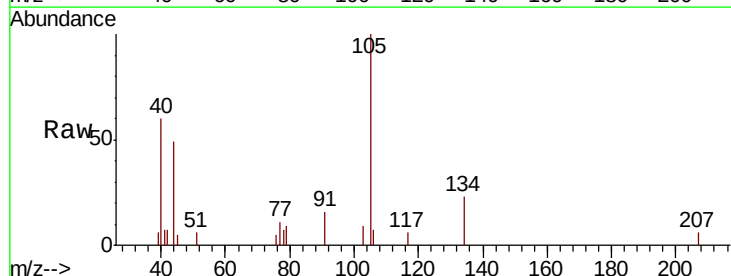
Instrument :
MSVOA_N
ClientSampled :

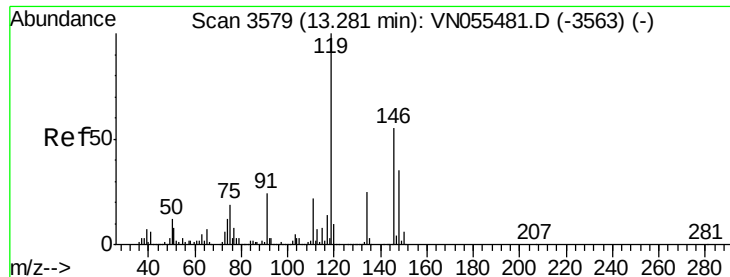
Tot Ion:119 Resp: 3906
Ion Ratio Lower Upper
119 100
91 68.1 33.8 101.3
134 26.8 12.5 37.5



#85
sec-Butylbenzene
Concen: 0.221 ug/l
RT: 13.17 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

Tgt Ion:105 Resp: 5706
Ion Ratio Lower Upper
105 100
134 18.3 9.3 28.0

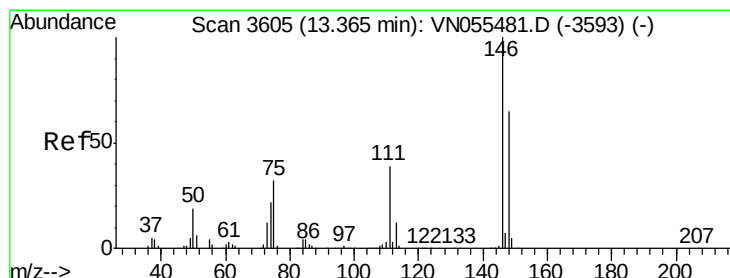
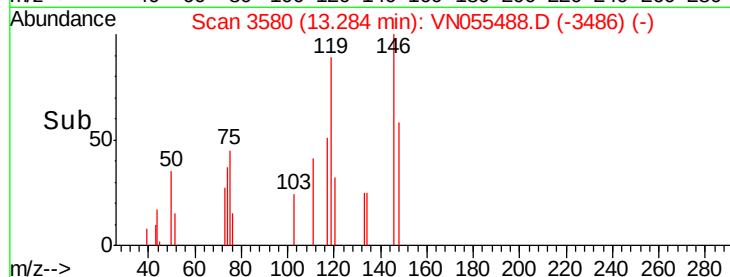
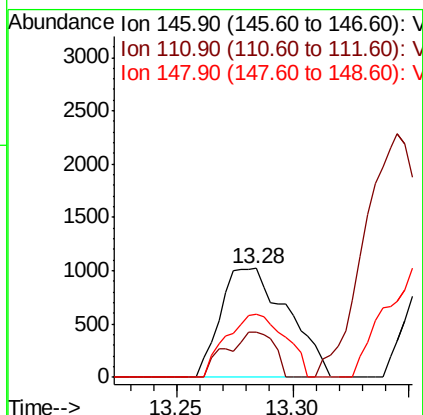
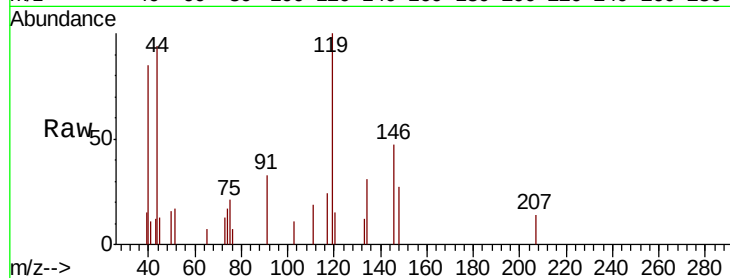




#87
 1,3-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

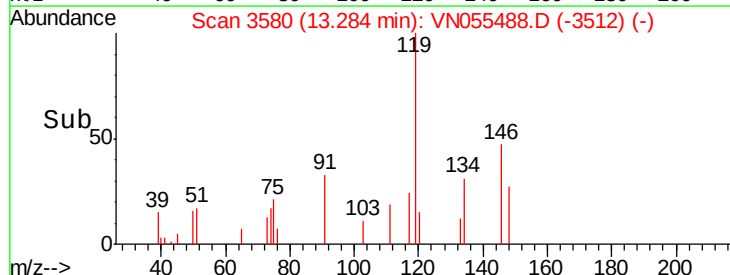
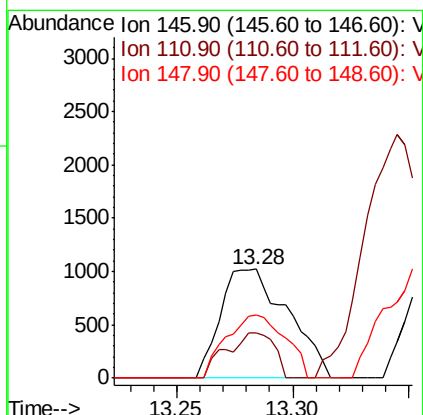
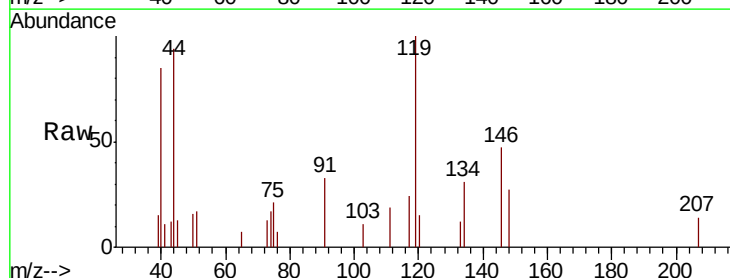
Instrument :
 MSVOA_N
 ClientSampled :

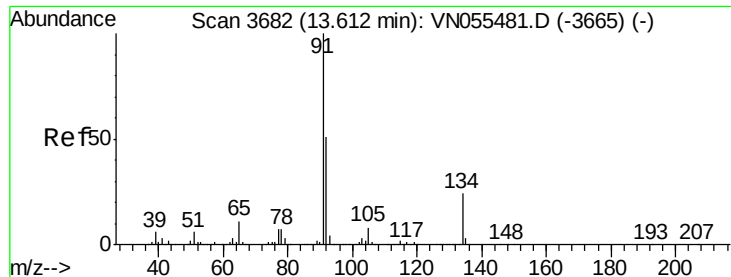
Tot Ion:146 Resp: 2061
 Ion Ratio Lower Upper
 146 100
 111 29.4 20.4 61.3
 148 50.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion:146 Resp: 2061
 Ion Ratio Lower Upper
 146 100
 111 29.4 19.6 58.8
 148 50.4 32.5 97.4

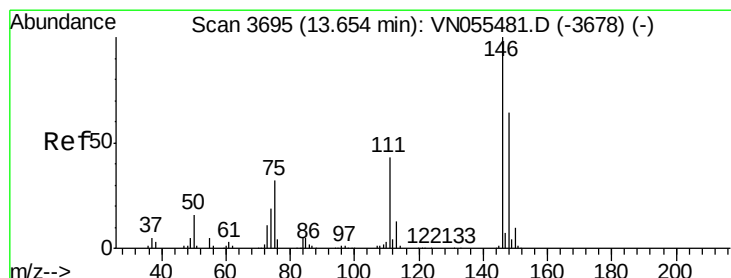
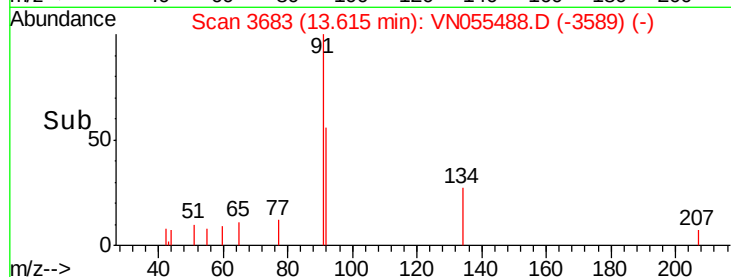
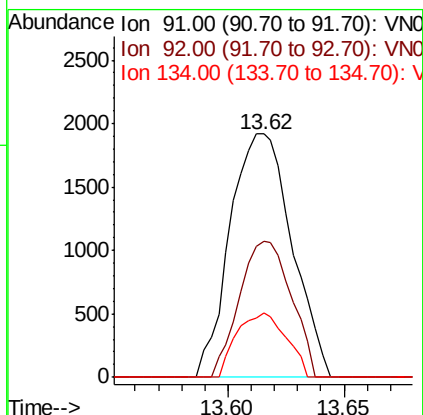
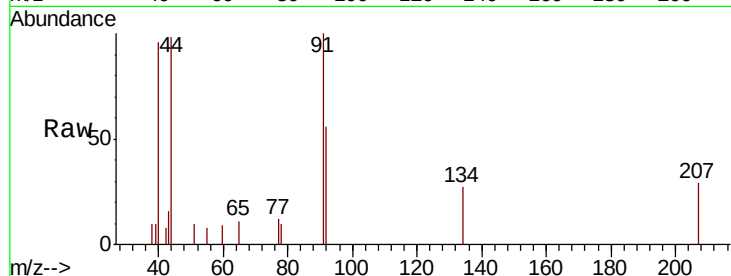




#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

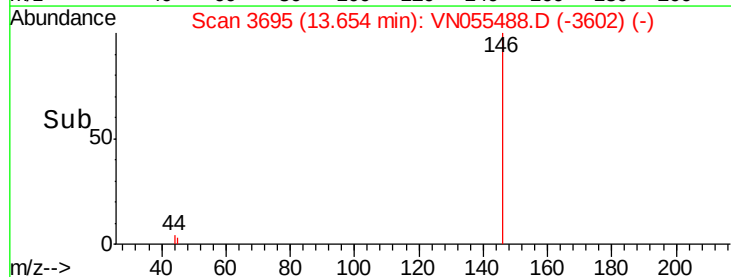
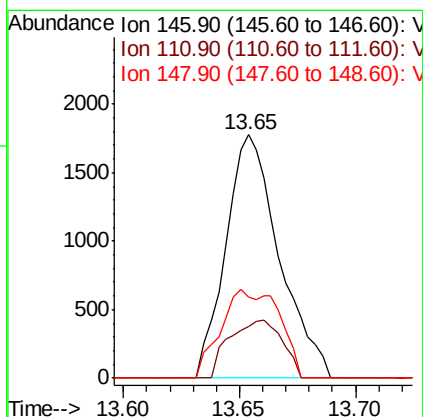
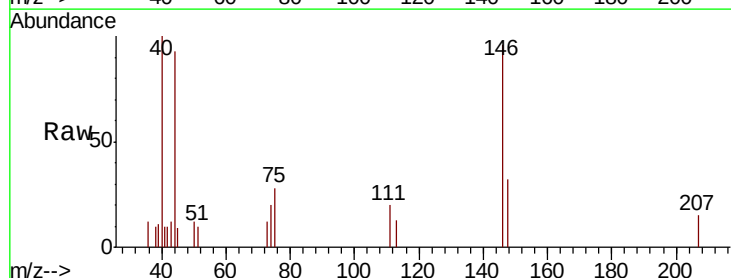
Instrument :
MSVOA_N
ClientSampled :

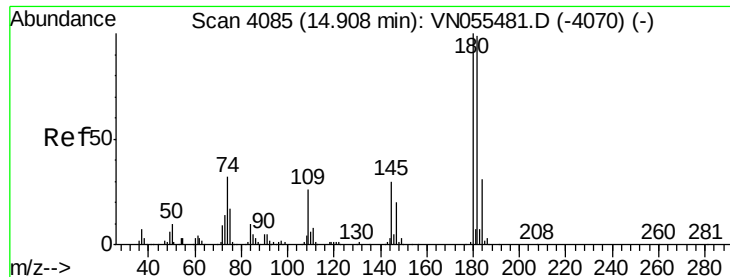
Tot Ion: 91 Resp: 3550
Ion Ratio Lower Upper
91 100
92 47.0 25.9 77.7
134 21.1 11.8 35.4



#91
1,2-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN055488.D
Acq: 9 May 2019 11:28

Tgt Ion: 146 Resp: 2836
Ion Ratio Lower Upper
146 100
111 23.6 21.3 63.7
148 39.8 31.9 95.9

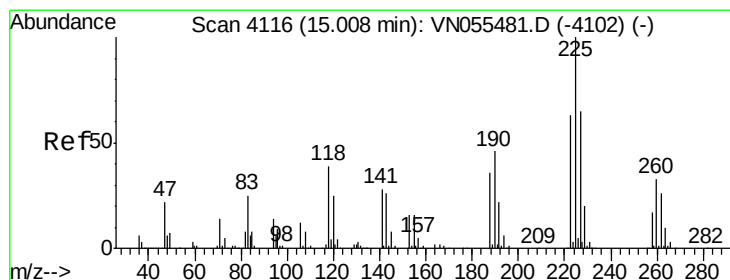
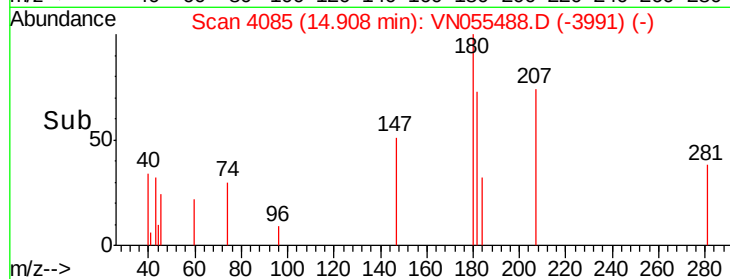
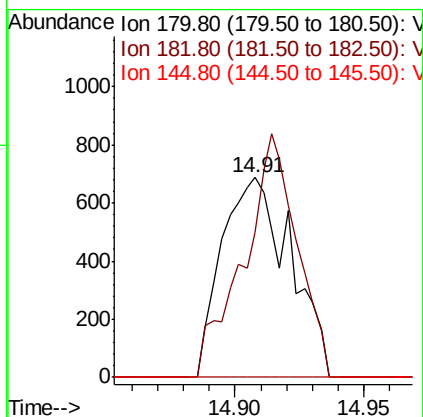
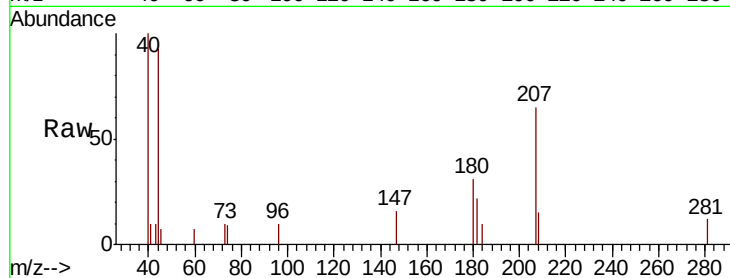




#93
 1,2,4-Trichlorobenzene
 Concen: 3.489 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

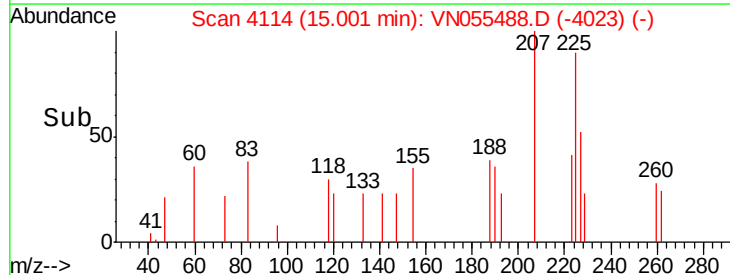
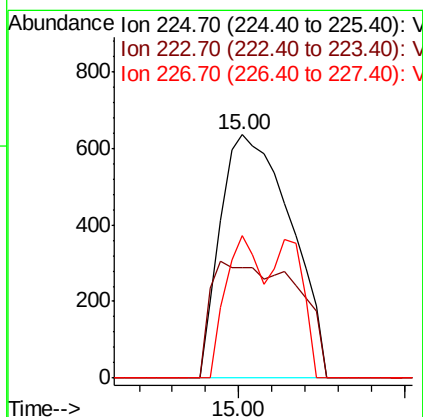
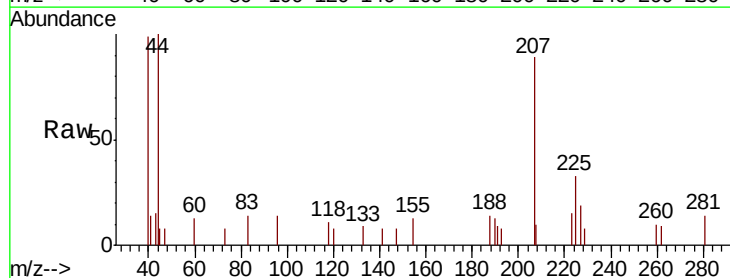
Instrument :
 MSVOA_N
 ClientSampled :

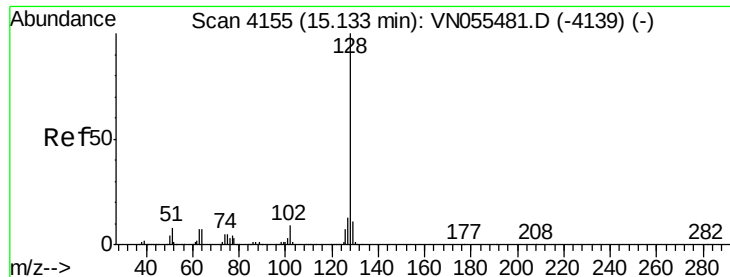
Tot Ion:180 Resp: 1272
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.7 146.1
 145 0.0 15.3 45.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN055488.D
 Acq: 9 May 2019 11:28

Tgt Ion:225 Resp: 941
 Ion Ratio Lower Upper
 225 100
 223 58.1 31.4 94.3
 227 29.3 32.0 96.0#





#95

Naphthalene

Concen: 3.172 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

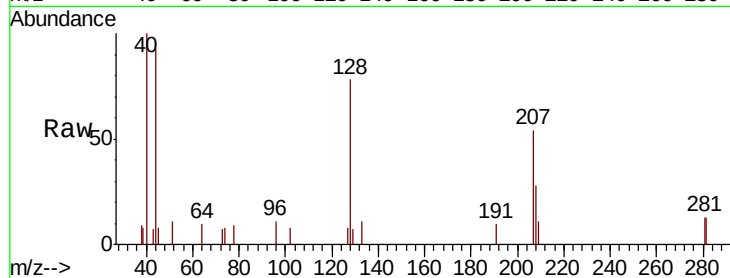
Tot Ion:128 Resp: 2948

Ion Ratio Lower Upper

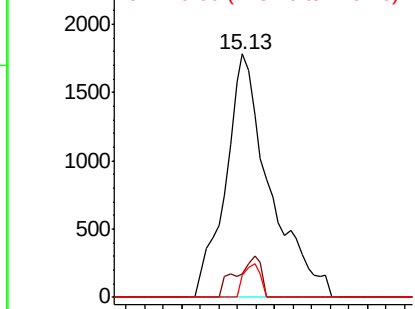
128 100

127 9.6 10.0 15.0#

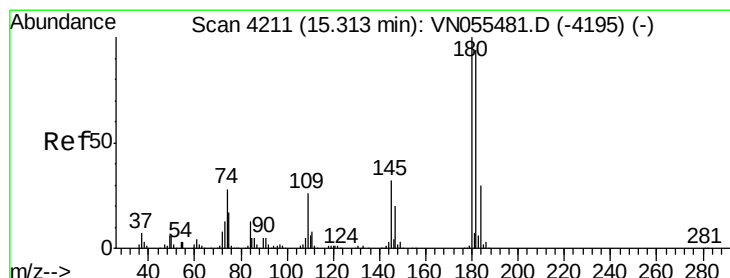
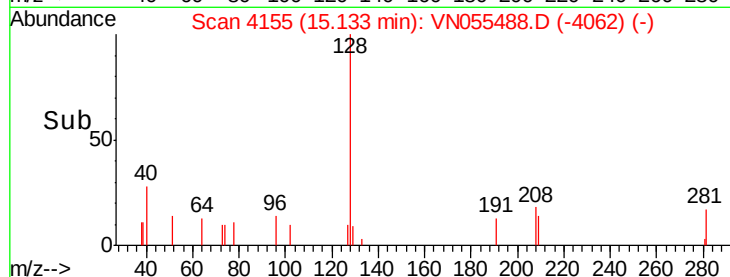
129 5.3 8.8 13.2#



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.554 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055488.D

Acq: 9 May 2019 11:28

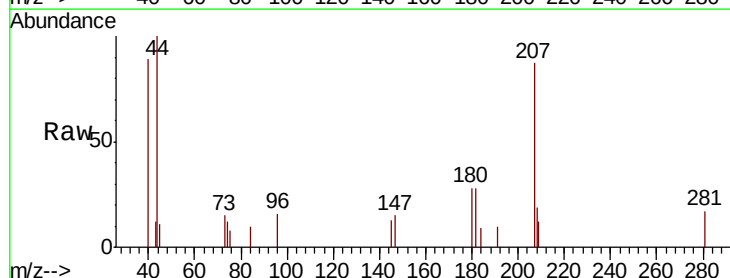
Tgt Ion:180 Resp: 624

Ion Ratio Lower Upper

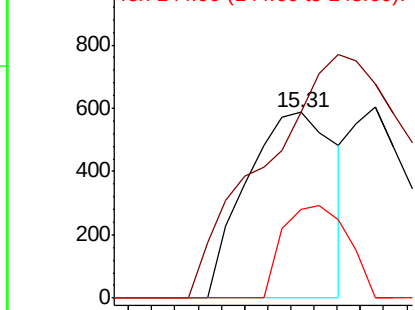
180 100

182 220.2 47.1 141.3#

145 36.9 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

