

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055512.D
 Acq On : 9 May 2019 22:19
 Operator : JC/SP
 Sample : VN0509WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:19:02 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	913298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1503872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	350319	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	604916	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
35) Dibromofluoromethane	7.59	113	466648	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.09	98	1835489	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	527918	41.41	ug/l	0.00
Spiked Amount			Recovery	=	82.82%	

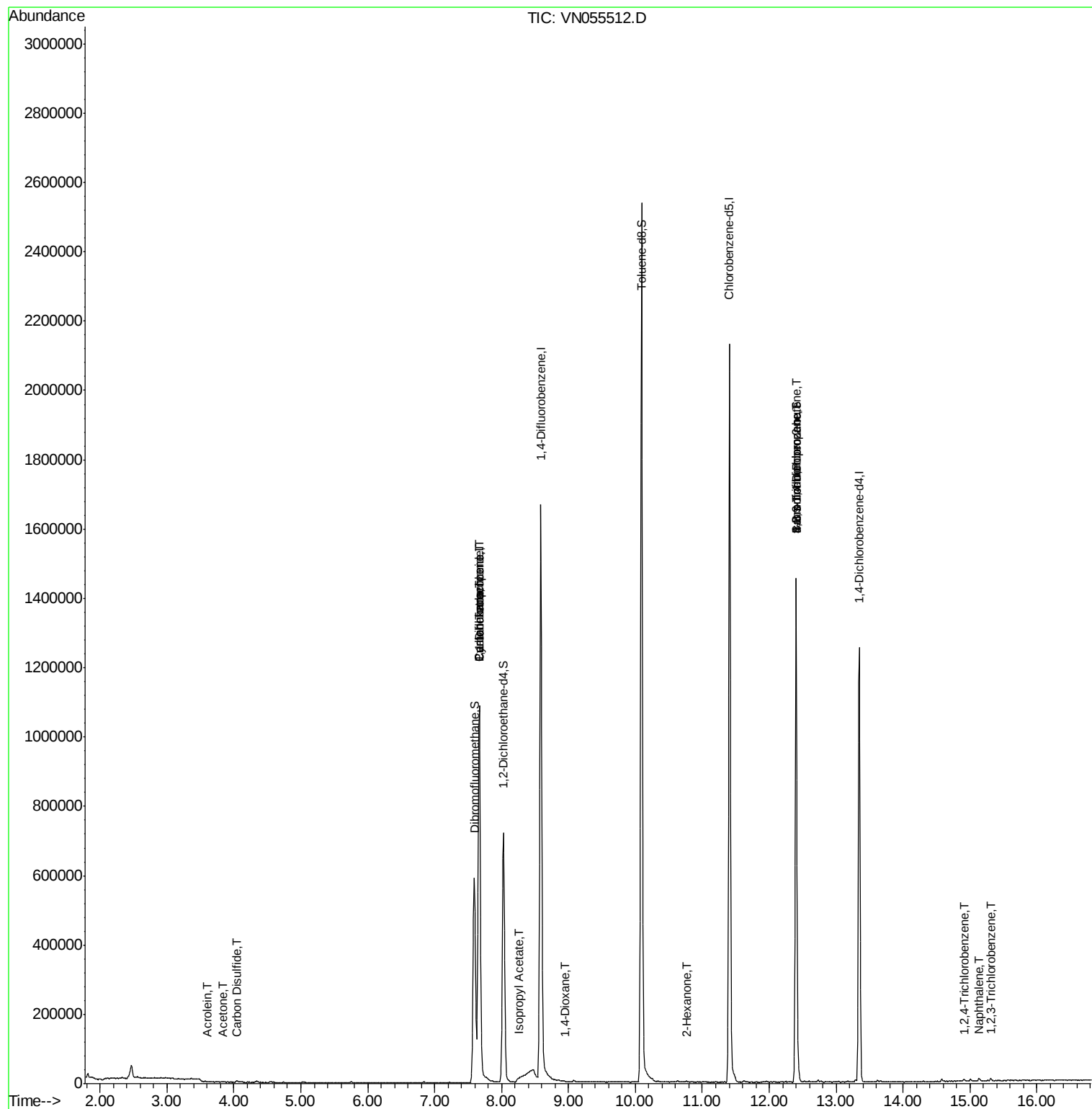
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	445	0.329	ug/l #	14
16) Acetone	3.82	43	1298	0.204	ug/l	98
17) Carbon Disulfide	4.04	76	7342	0.269	ug/l	96
18) Methyl Acetate	4.34	43	7464	Below Cal		99
31) Cyclohexane	7.66	56	20331	0.916	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	72190	4.873	ug/l #	50
38) Carbon Tetrachloride	7.67	117	83702	6.709	ug/l #	15
43) Isopropyl Acetate	8.25	43	8296	0.338	ug/l #	63
49) 1,4-Dioxane	8.95	88	165	0.716	ug/l #	18
59) 2-Hexanone	10.76	43	2291	0.202	ug/l	95
71) Bromoform	12.40	173	3242	0.541	ug/l #	1
73) Isopropylbenzene	12.25	105	1941	Below Cal		89
75) 1,1,2,2-Tetrachloroethane	12.51	83	456	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.40	75	263202	27.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	263202	101.834	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.90	180	1960	3.559	ug/l #	82
94) Hexachlorobutadiene	15.00	225	1202	Below Cal		89
95) Naphthalene	15.13	128	6813	3.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	2431	2.834	ug/l	89

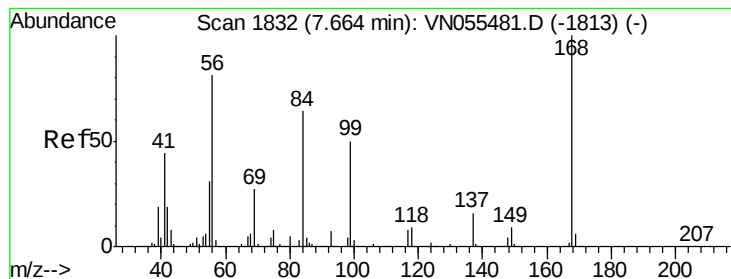
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: May 10 04:19:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

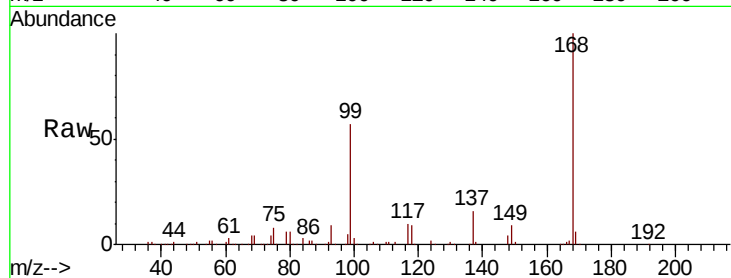
ClientSampled :

Tot Ion:168 Resp: 913298

Ion Ratio Lower Upper

168 100

99 57.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

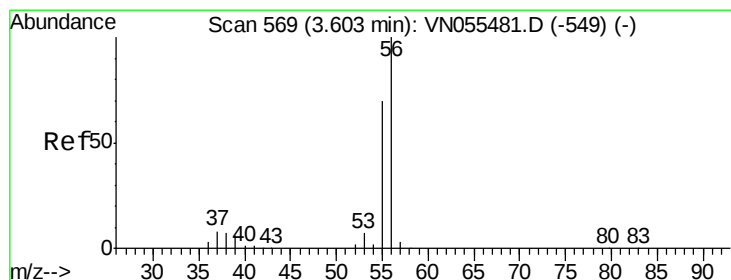
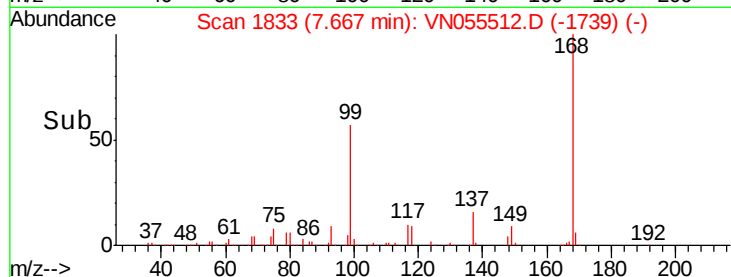
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 0.329 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055512.D

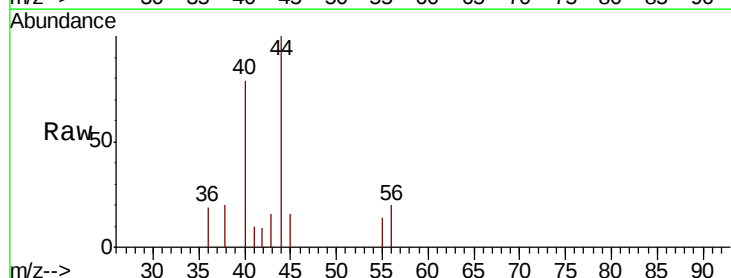
Acq: 9 May 2019 22:19

Tgt Ion: 56 Resp: 445

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

500

400

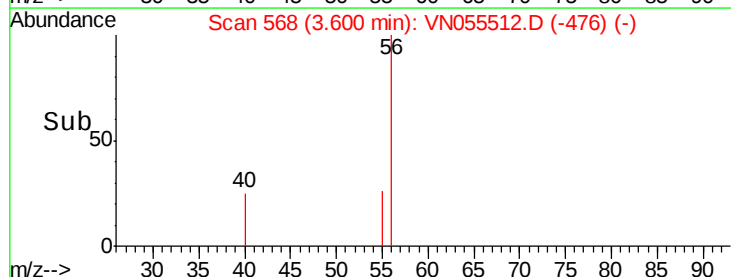
300

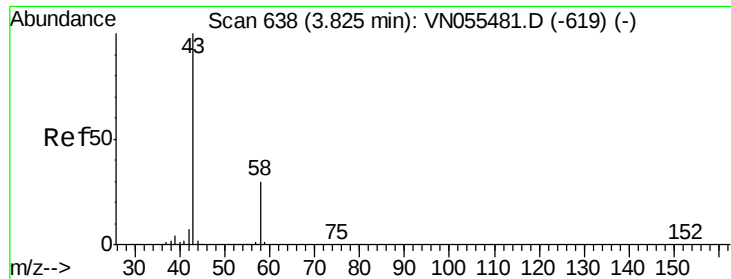
200

100

0

Time--> 3.58 3.60





#16

Acetone

Concen: 0.204 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

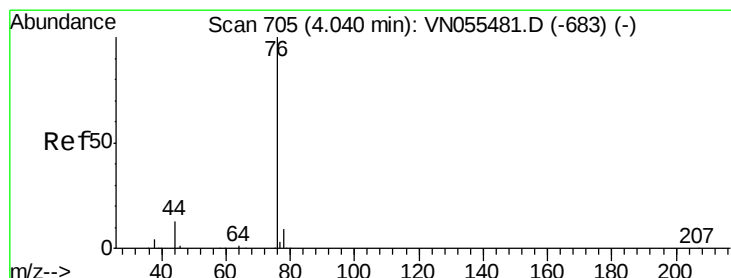
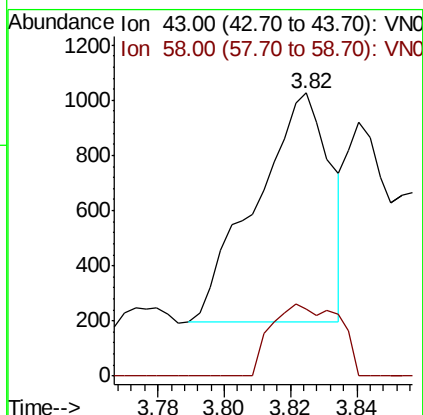
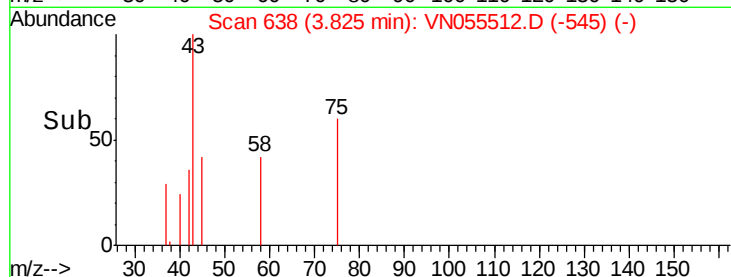
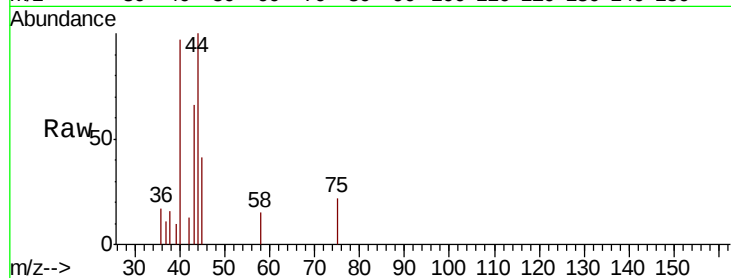
ClientSampled :

Tot Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

58 29.0 24.2 36.2



#17

Carbon Disulfide

Concen: 0.269 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055512.D

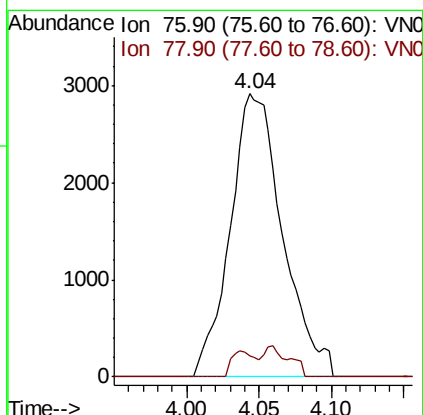
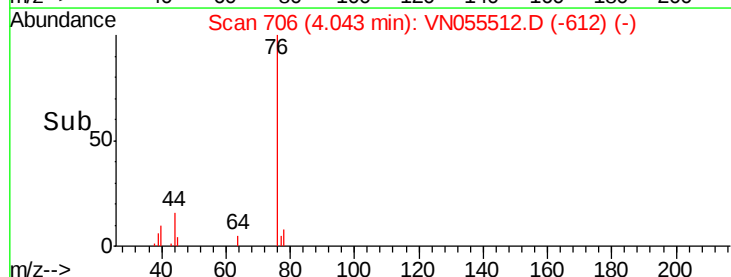
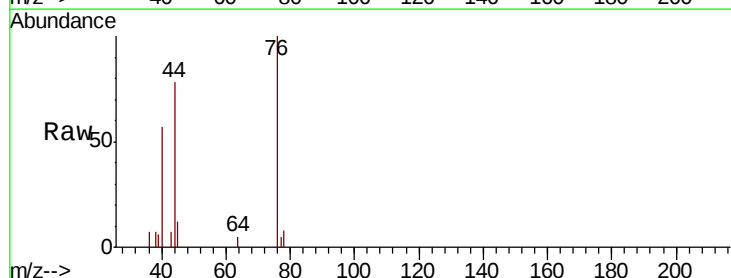
Acq: 9 May 2019 22:19

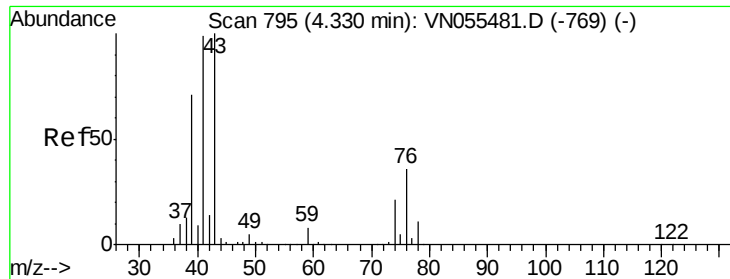
Tgt Ion: 76 Resp: 7342

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.0

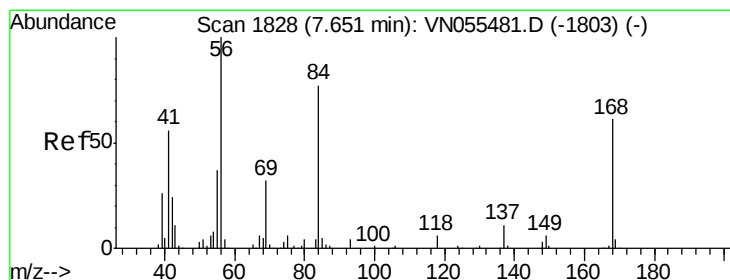
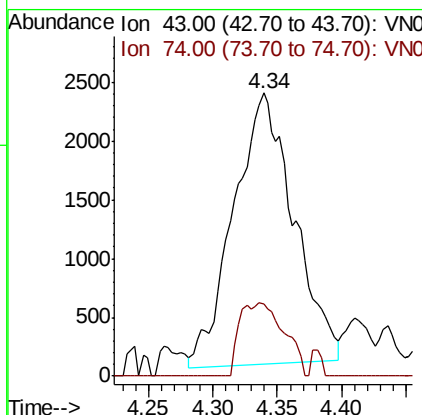
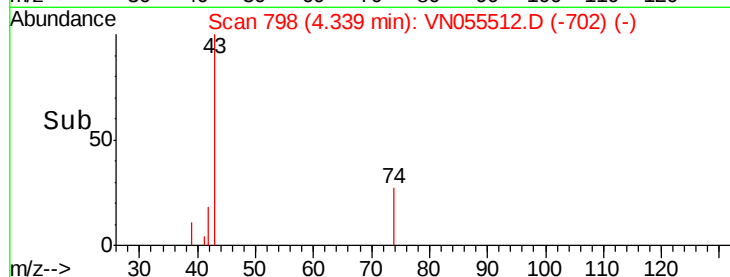
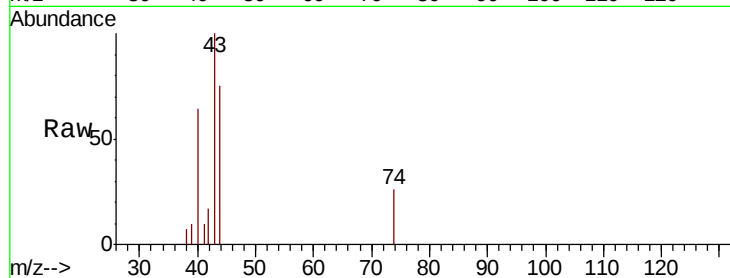




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

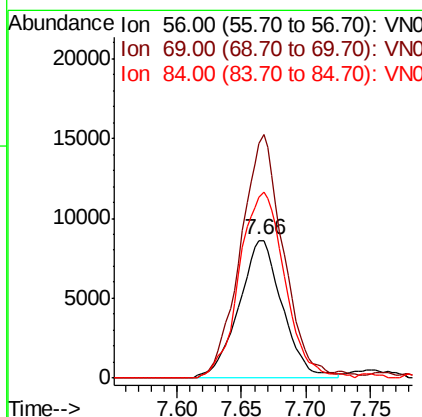
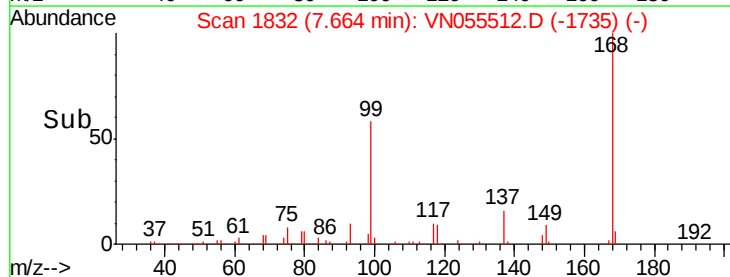
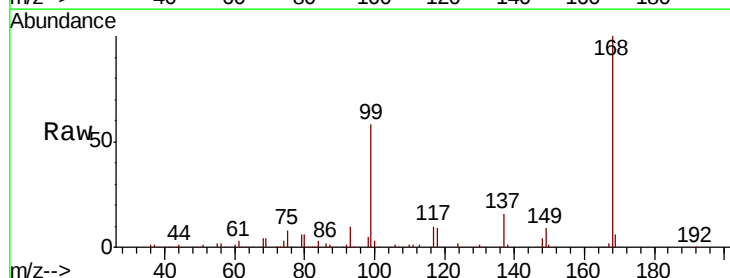
Instrument :
MSVOA_N
ClientSampled :

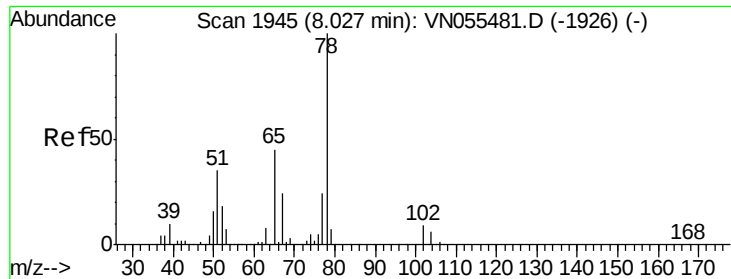
Tot Ion: 43 Resp: 7464
Ion Ratio Lower Upper
43 100
74 20.1 16.3 24.5



#31
Cyclohexane
Concen: 0.916 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Tgt Ion: 56 Resp: 20331
Ion Ratio Lower Upper
56 100
69 169.7 26.0 39.0#
84 131.4 61.9 92.9#

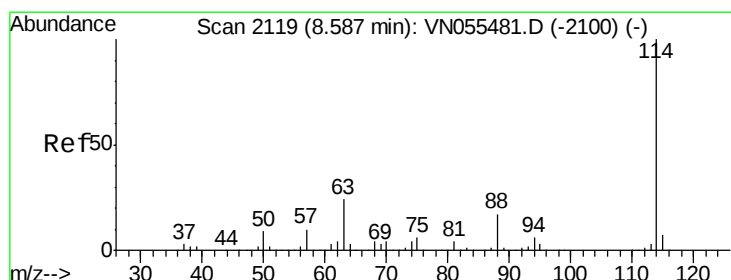
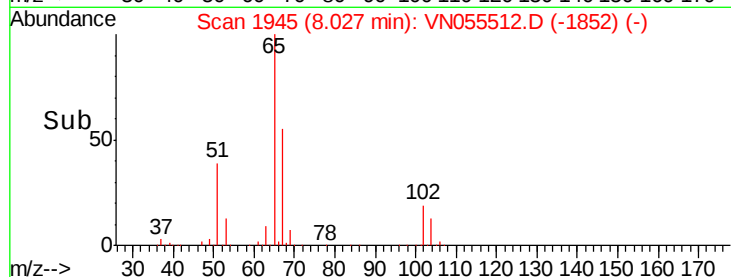
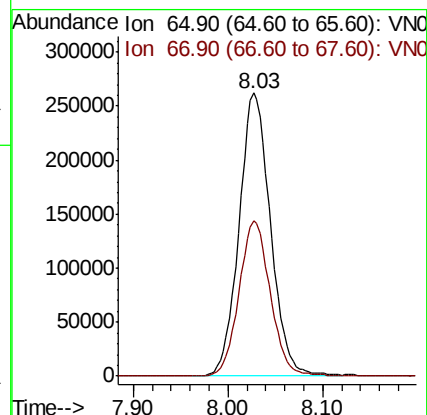
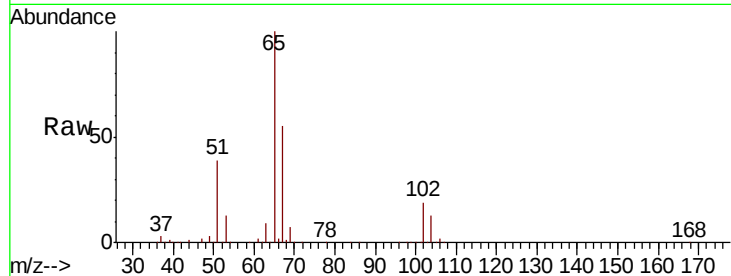




#33
 1,2-Dichloroethane-d4
 Concen: 43.990 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

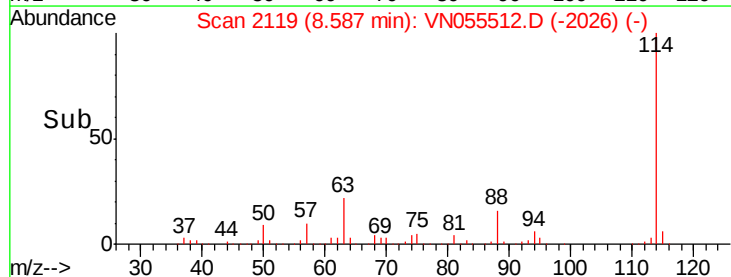
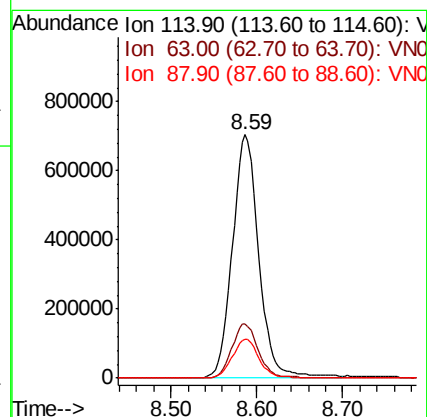
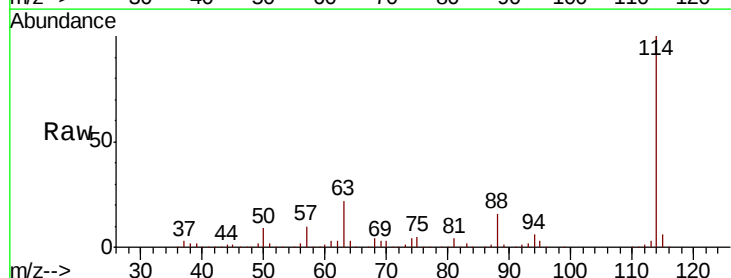
Instrument :
 MSVOA_N
 ClientSampleId :

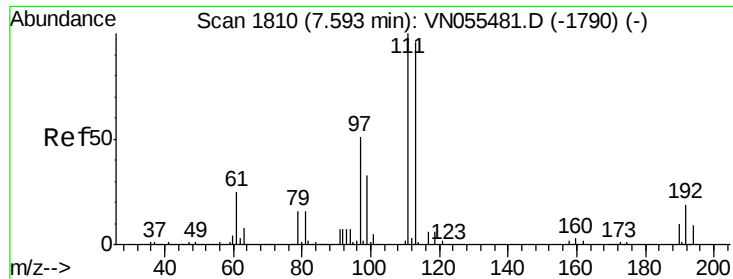
Tot Ion: 65 Resp: 604916
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

Tgt Ion: 114 Resp: 1503872
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.4
 88 16.1 0.0 34.0

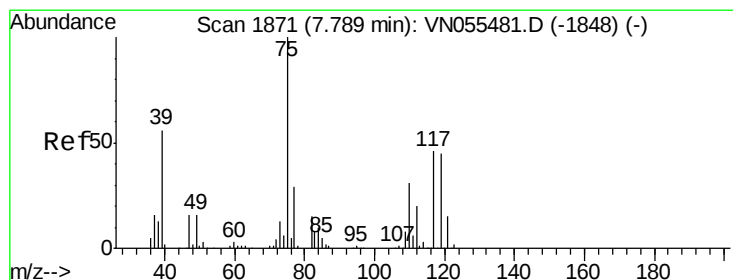
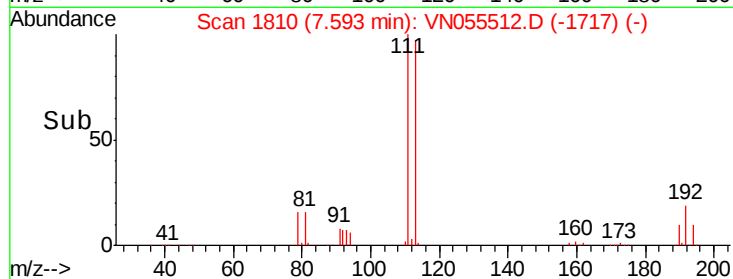
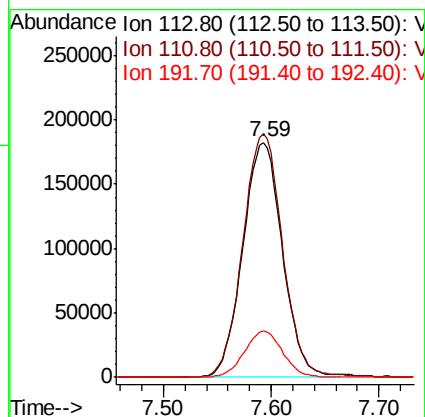
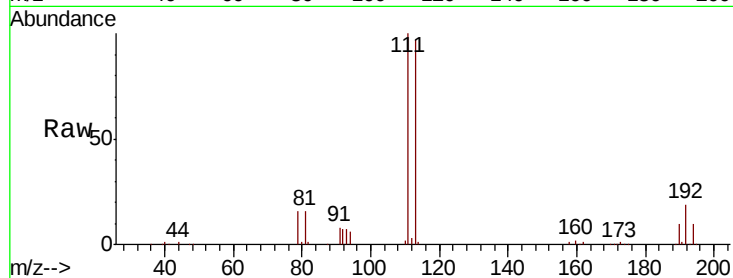




#35
 Dibromofluoromethane
 Concen: 48.102 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

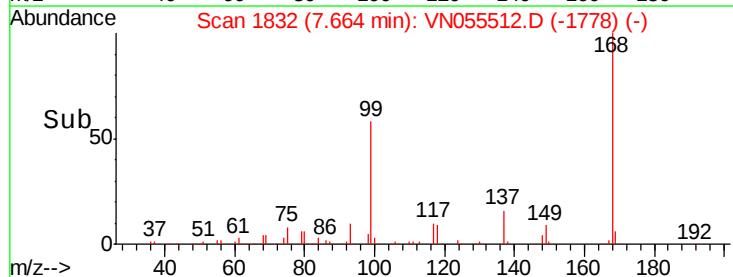
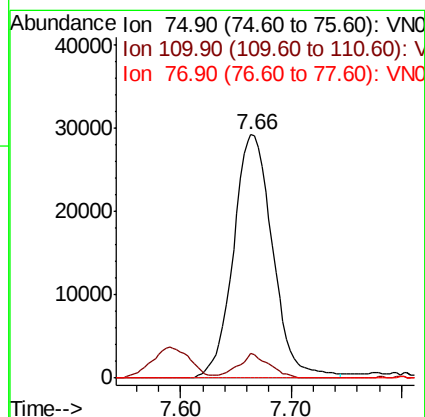
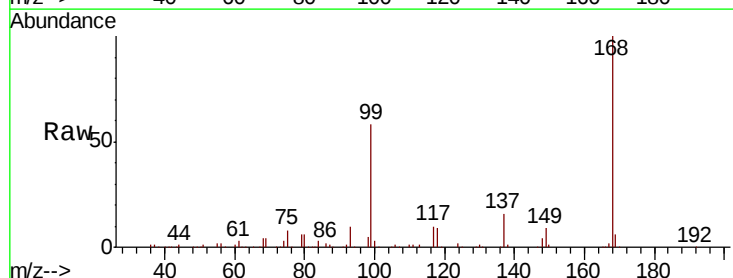
Instrument :
 MSVOA_N
 ClientSampleId :

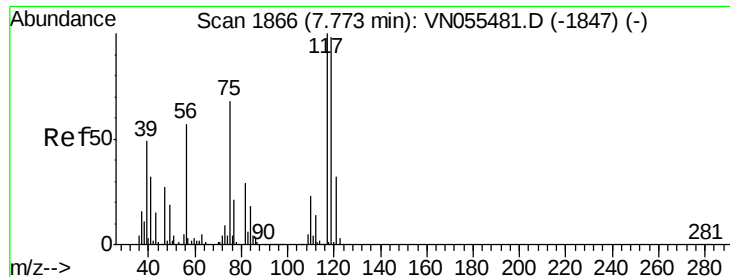
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.9	124.3
192	19.3	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

ClientSampled :

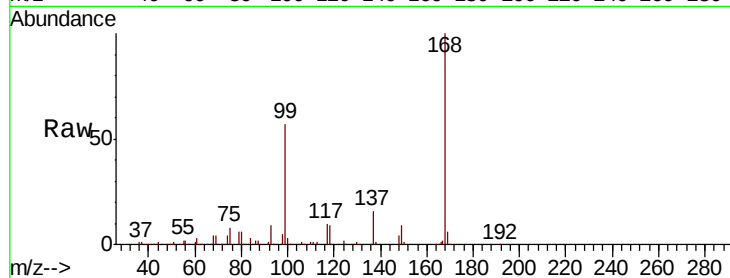
Tot Ion:117 Resp: 83702

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.6#

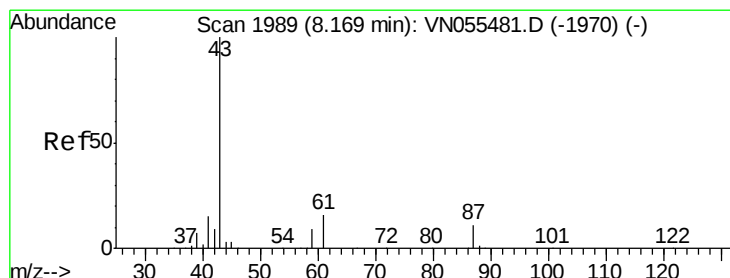
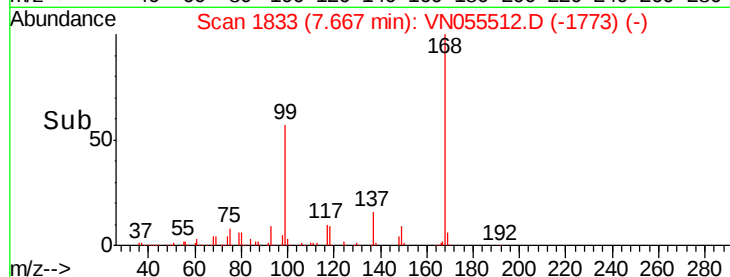
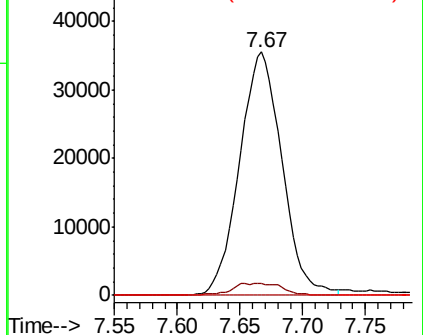
121 0.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 0.338 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.08 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

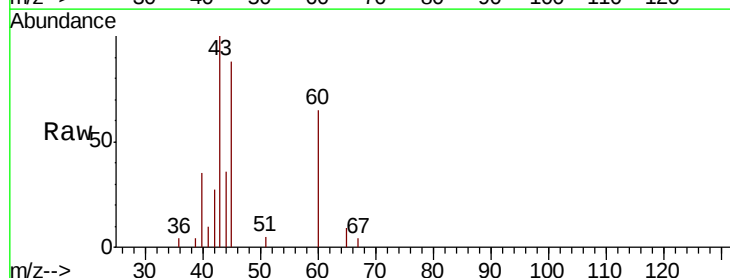
Tgt Ion: 43 Resp: 8296

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

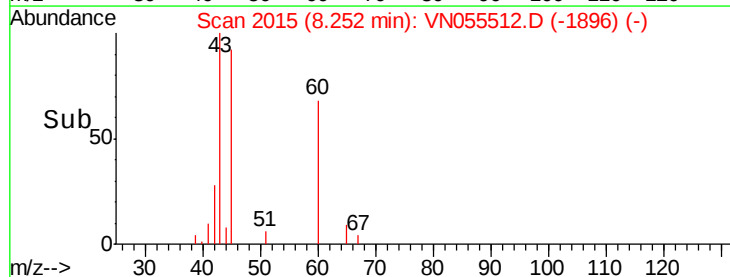
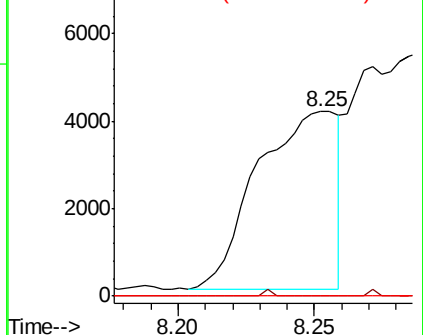
87 0.0 9.0 13.6#

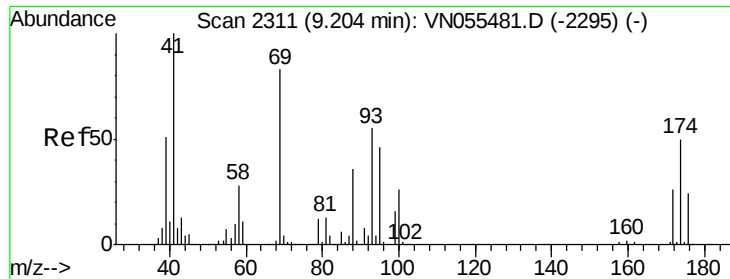


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

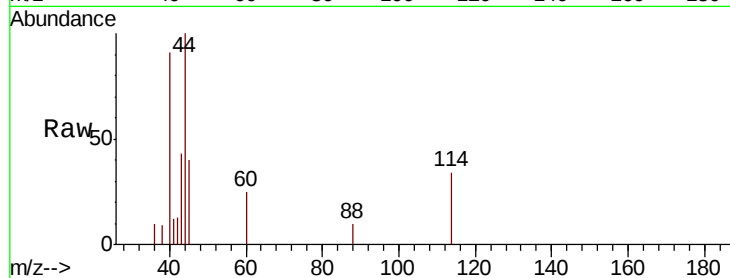




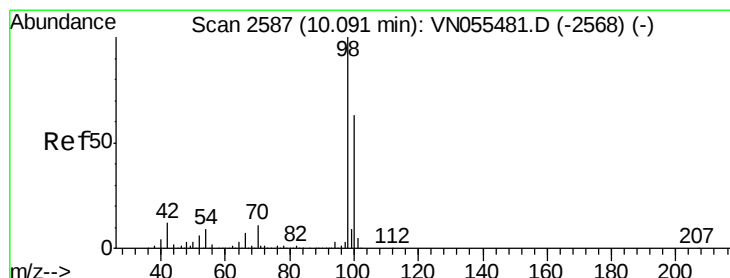
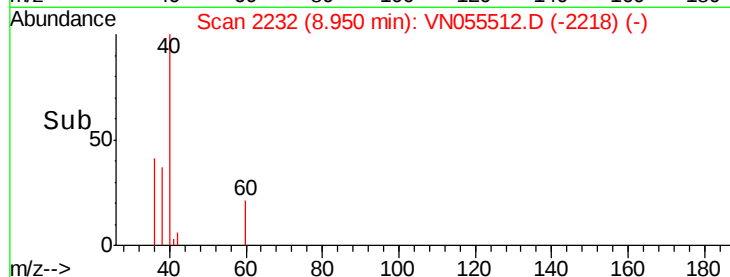
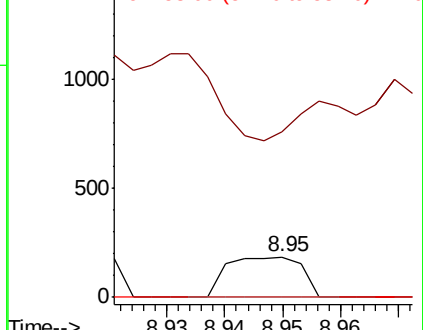
#49
1,4-Dioxane
Concen: 0.716 ug/l
RT: 8.95 min Scan# 2232
Delta R.T. -0.25 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 72.1 27.8 41.8#
58 0.0 61.8 92.6#

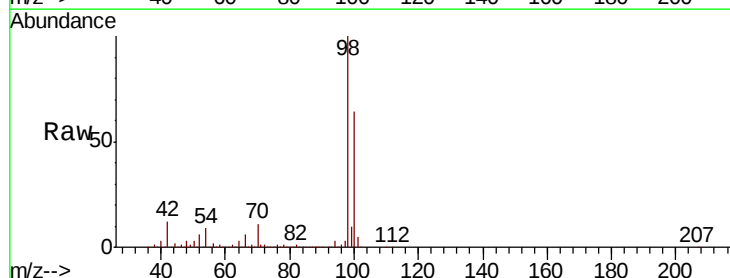


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

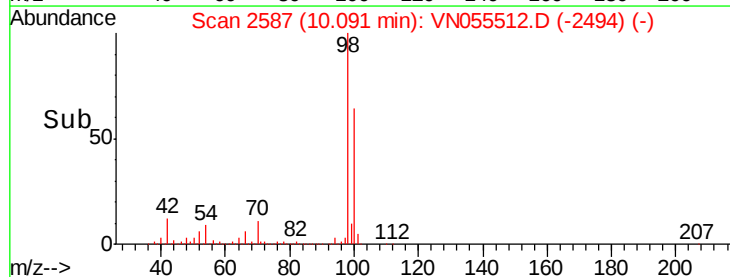
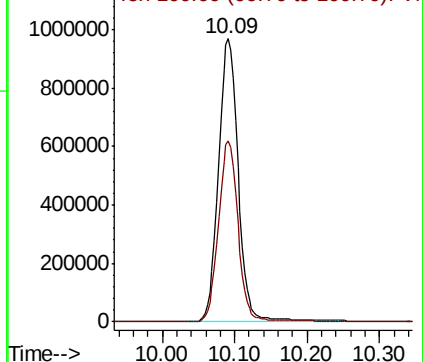


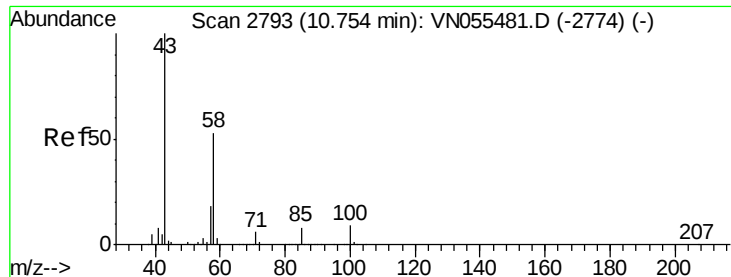
#50
Toluene-d8
Concen: 48.552 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Tgt Ion: 98 Resp: 1835489
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



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

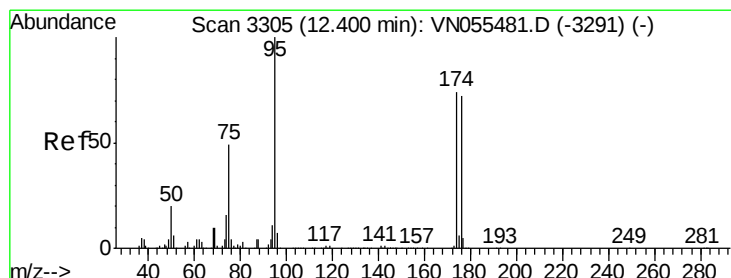
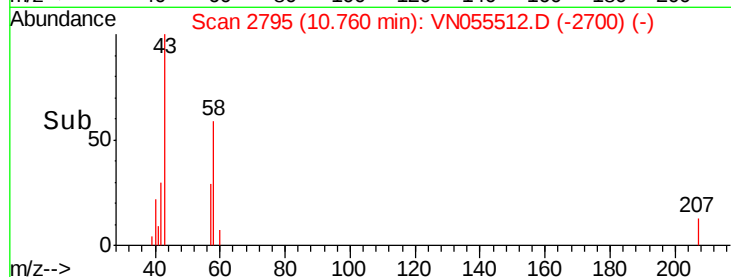
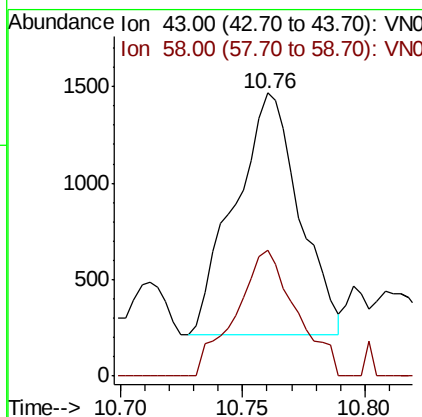
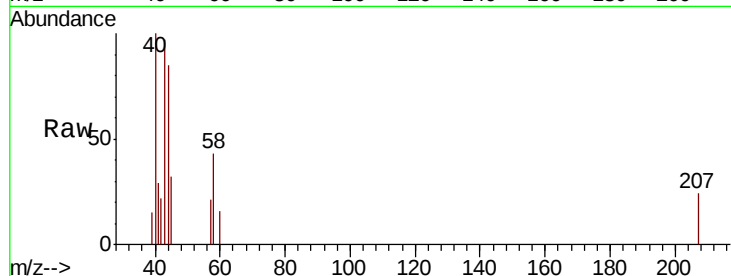




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

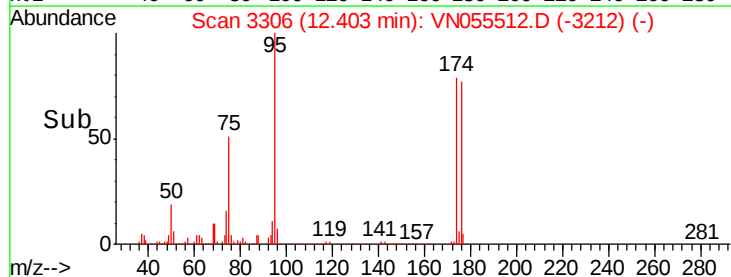
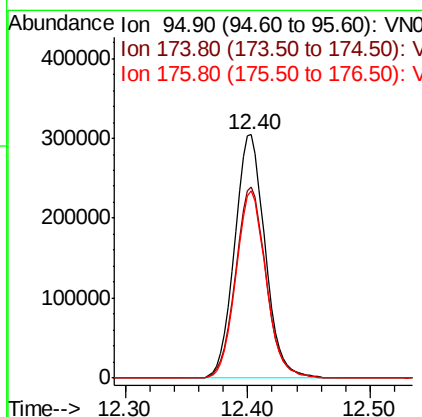
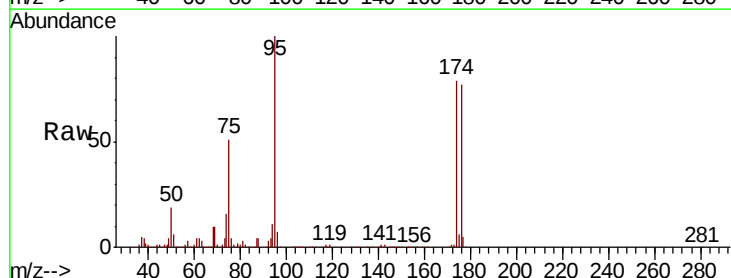
Instrument :
MSVOA_N
ClientSampled :

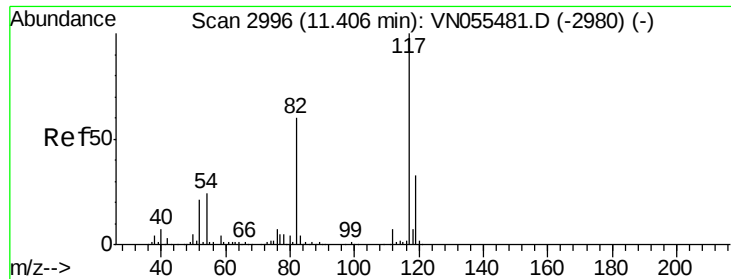
Tot Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
58 49.1 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 41.415 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Tgt Ion: 95 Resp: 527918
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.2
176 75.8 0.0 147.8

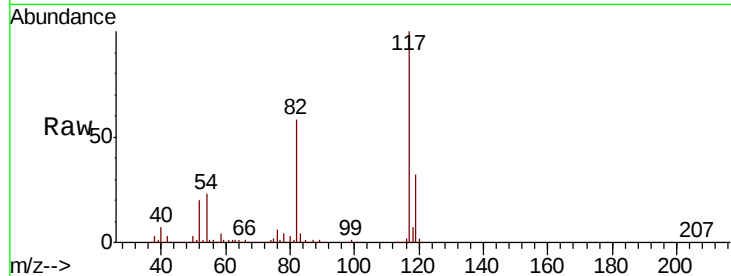




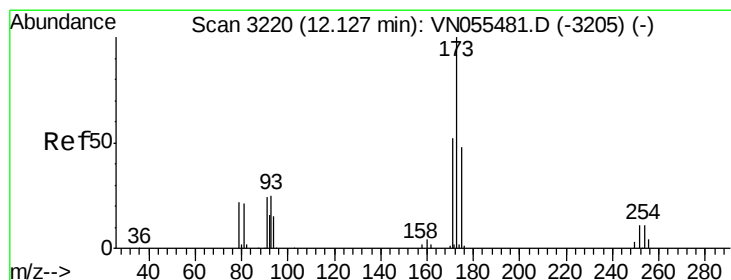
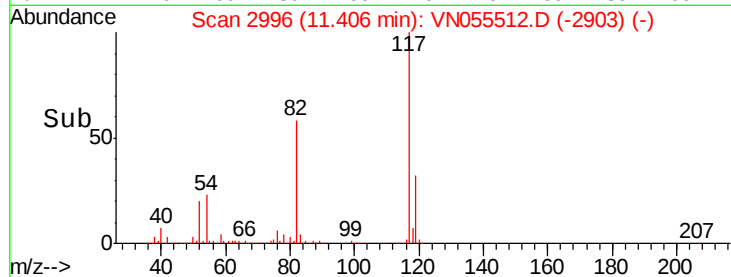
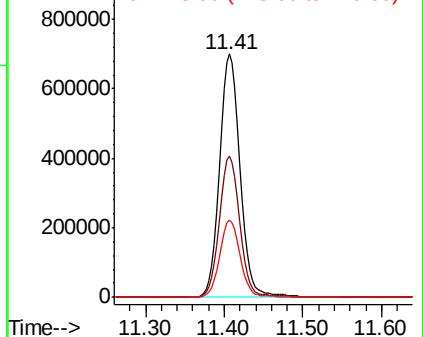
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1254130
Ion Ratio Lower Upper
117 100
82 57.8 48.0 72.0
119 31.6 26.0 39.0

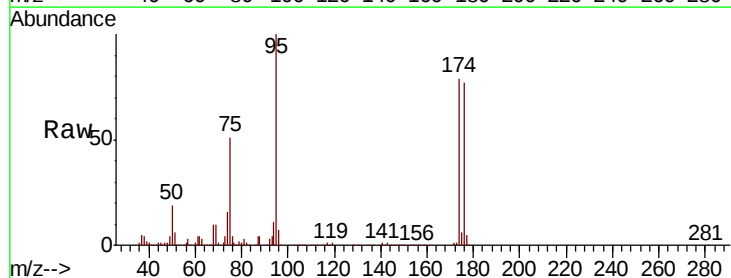


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

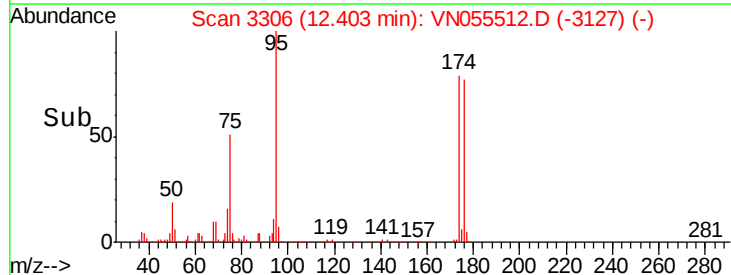
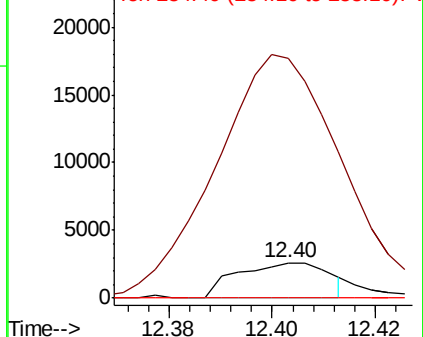


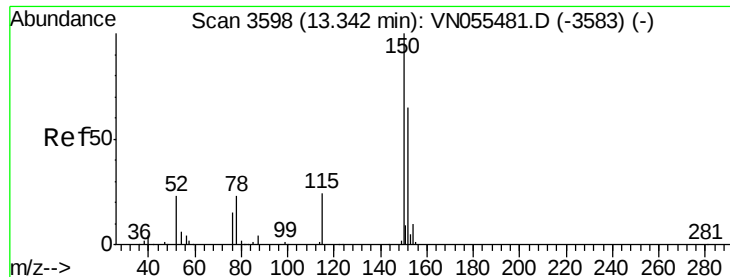
#71
Bromoform
Concen: 0.541 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Tgt Ion:173 Resp: 3242
Ion Ratio Lower Upper
173 100
175 820.7 24.1 72.4#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

ClientSampleId :

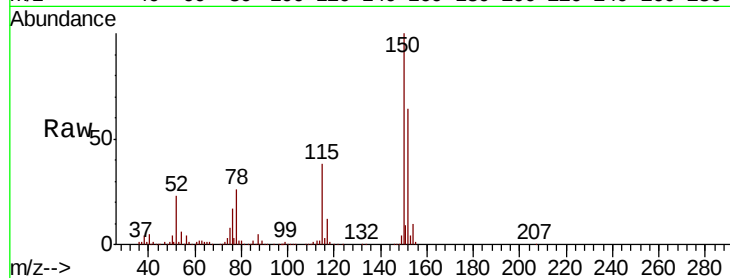
Tot Ion:152 Resp: 350319

Ion Ratio Lower Upper

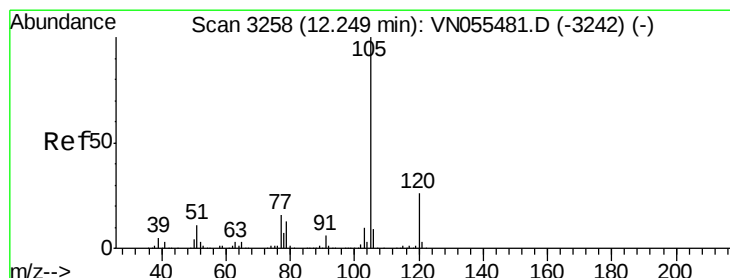
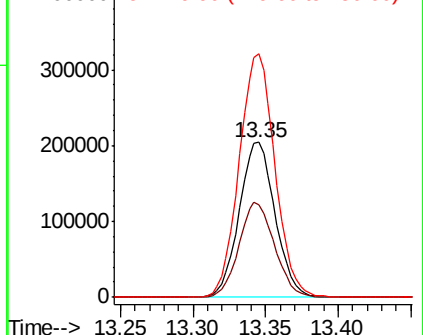
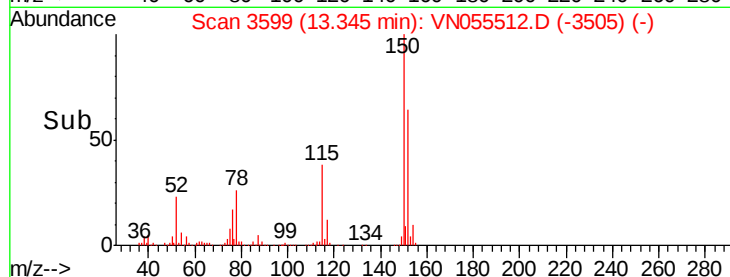
152 100

115 60.9 30.1 90.5

150 157.3 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055512.D

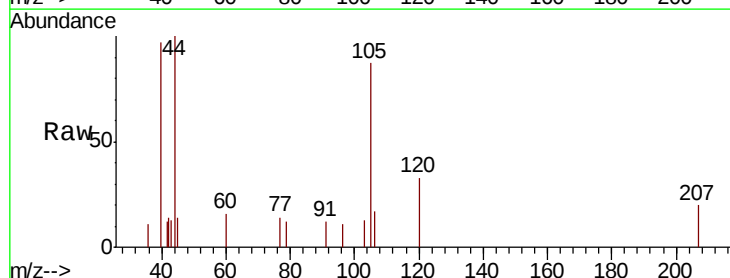
Acq: 9 May 2019 22:19

Tgt Ion:105 Resp: 1941

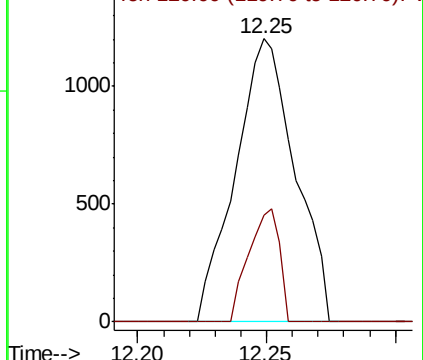
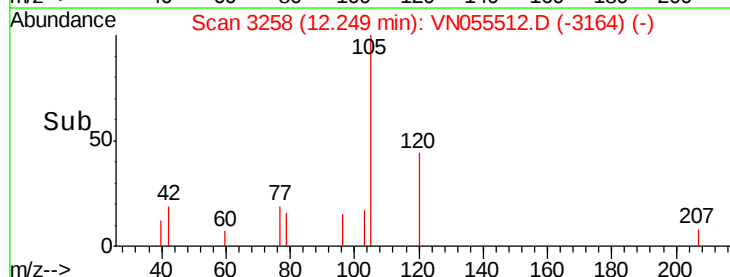
Ion Ratio Lower Upper

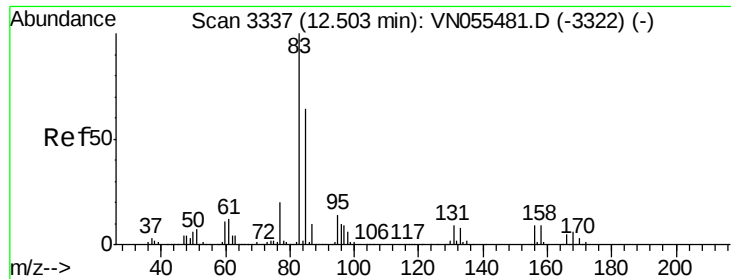
105 100

120 20.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

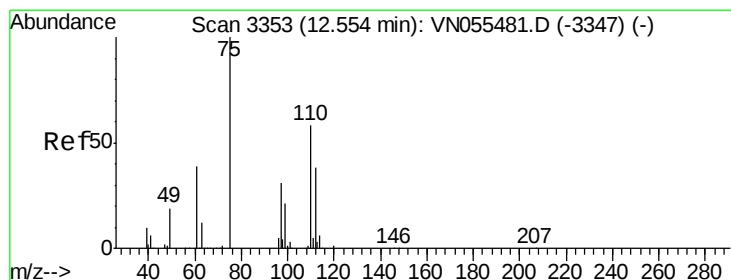
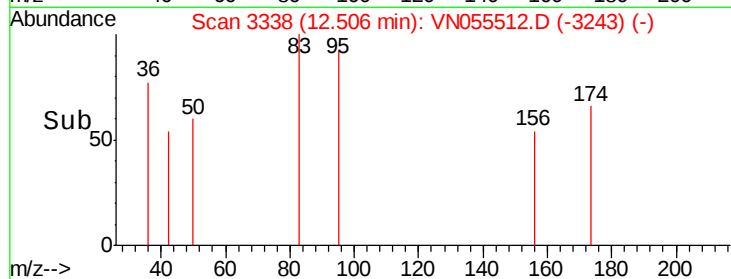
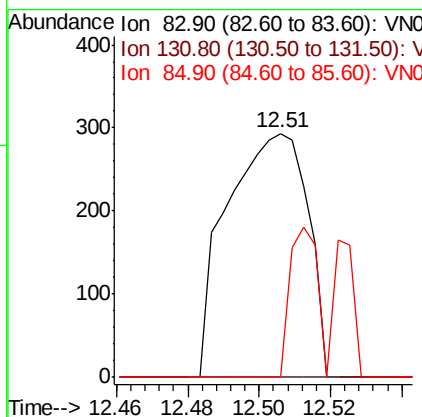
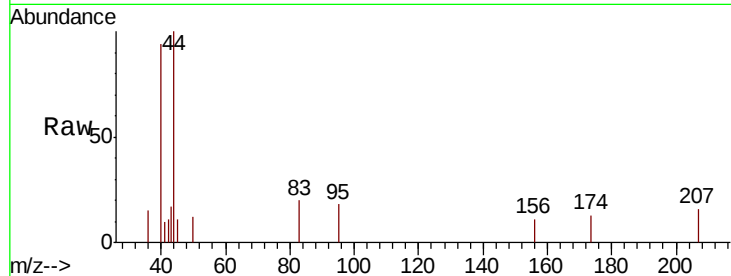




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

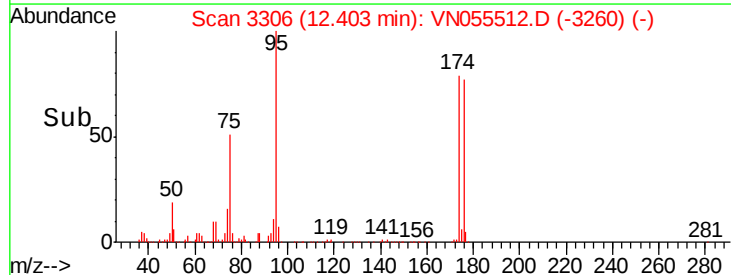
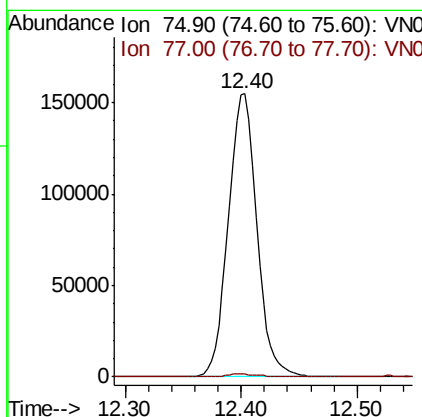
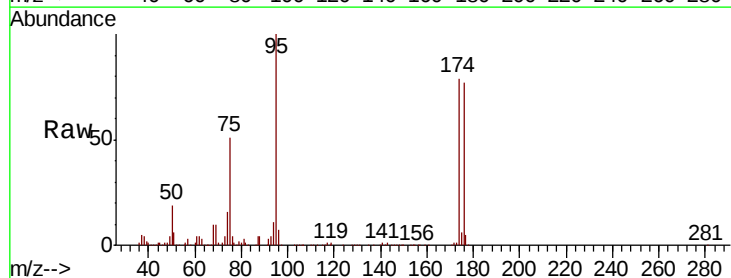
Instrument :
 MSVOA_N
 ClientSampled :

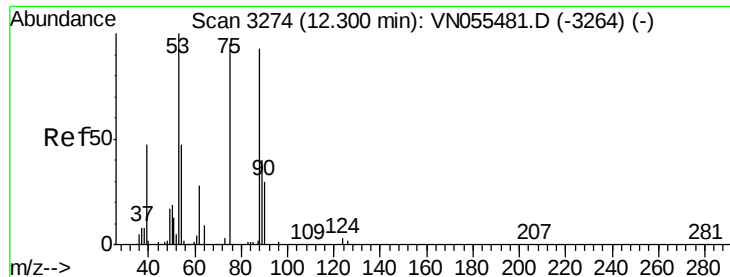
Tot Ion: 83 Resp: 456
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.5 13.5#
 85 21.1 32.0 96.0#



#76
 1,2,3-Trichloropropane
 Concen: 27.598 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN055512.D
 Acq: 9 May 2019 22:19

Tgt Ion: 75 Resp: 263202
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 101.834 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

ClientSampleId :

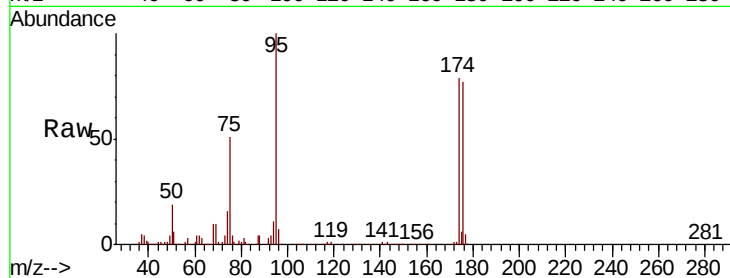
Tot Ion: 75 Resp: 263202

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#

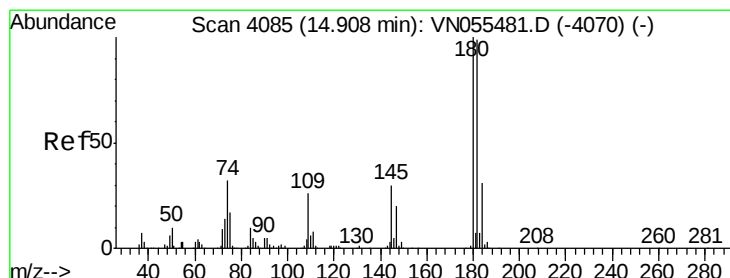
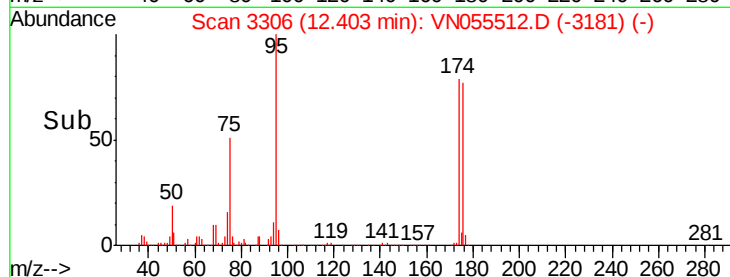
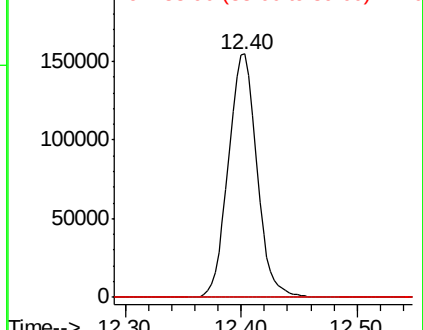


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 3.559 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

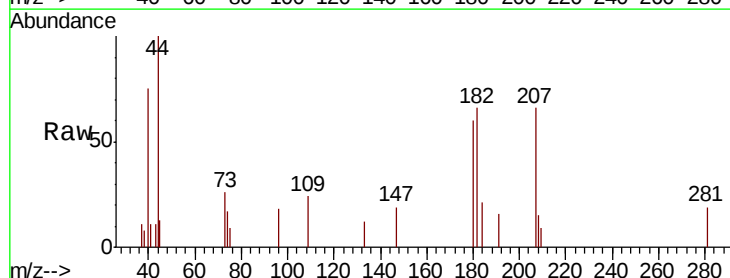
Tgt Ion:180 Resp: 1960

Ion Ratio Lower Upper

180 100

182 109.5 48.7 146.1

145 11.9 15.3 45.9#

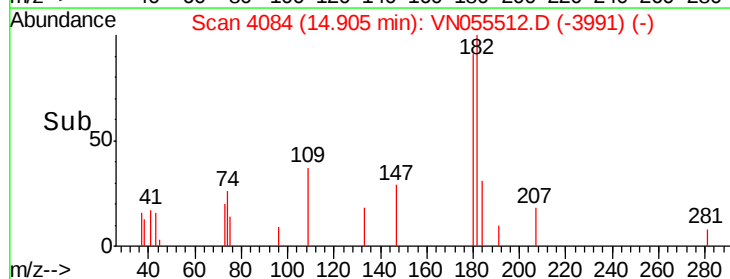
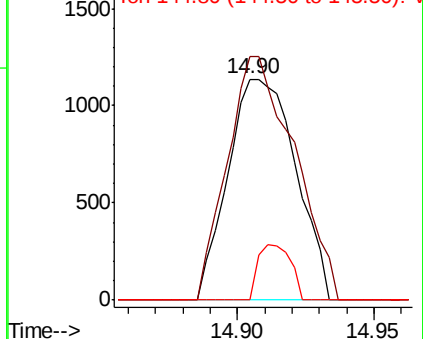


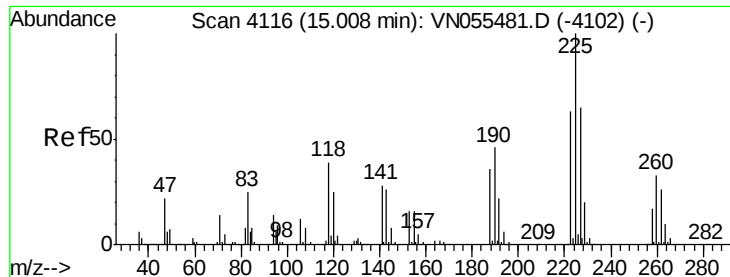
Abundance

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

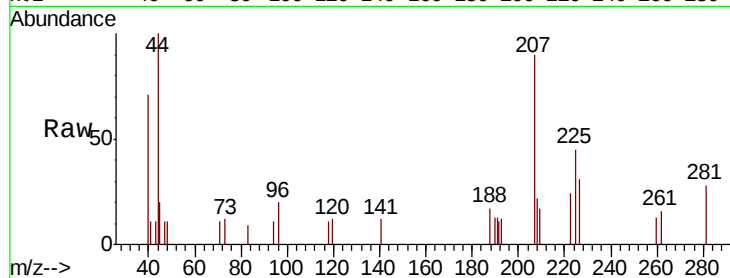




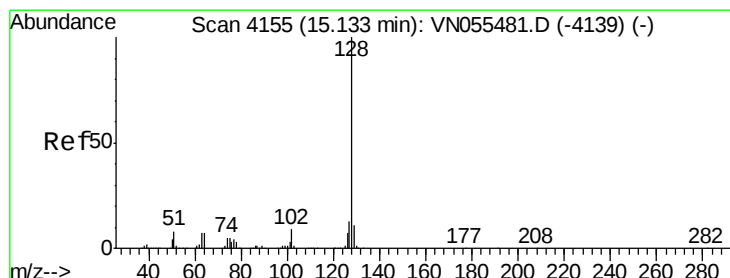
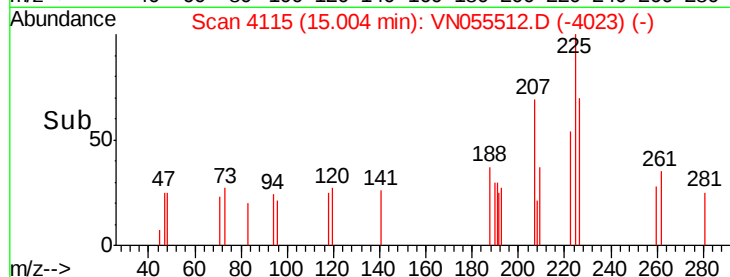
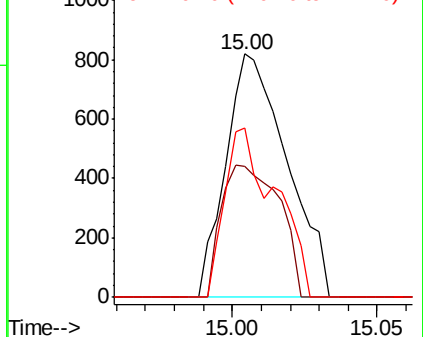
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 1202
Ion Ratio Lower Upper
225 100
223 51.2 31.4 94.3
227 57.7 32.0 96.0

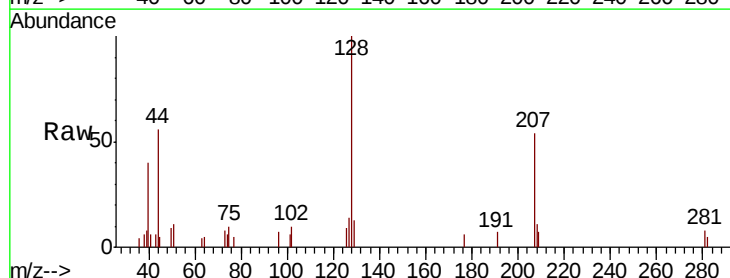


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

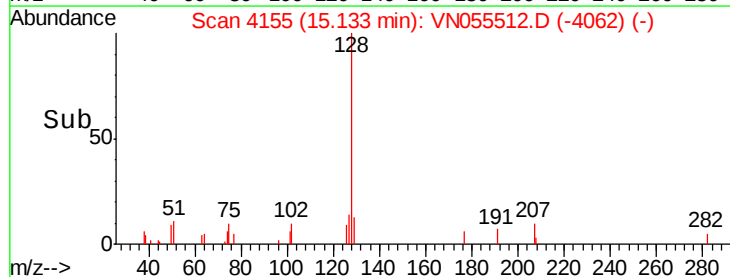
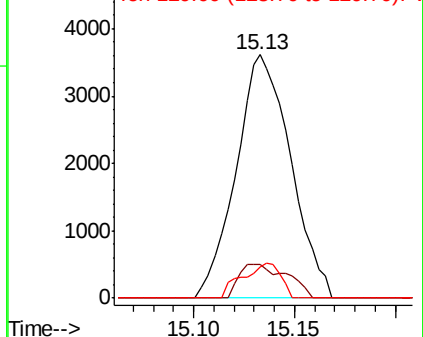


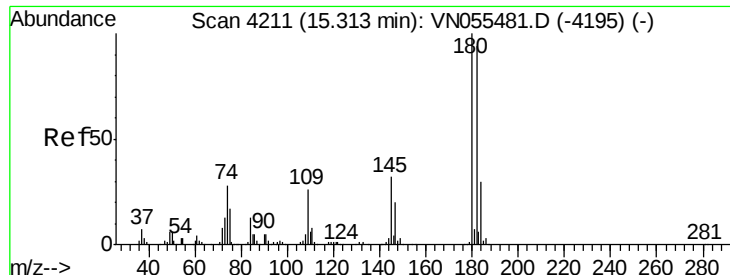
#95
Naphthalene
Concen: 3.376 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055512.D
Acq: 9 May 2019 22:19

Tgt Ion:128 Resp: 6813
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.1 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





#96

1,2,3-Trichlorobenzene

Concen: 2.834 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055512.D

Acq: 9 May 2019 22:19

Instrument :

MSVOA_N

ClientSampleId :

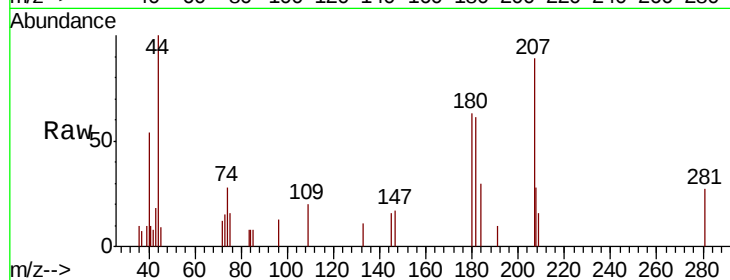
Tot Ion:180 Resp: 2431

Ion Ratio Lower Upper

180 100

182 106.3 47.1 141.3

145 27.7 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

