

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064753.D
 Acq On : 20 Nov 2020 00:49
 Operator : JC/MD
 Sample : VN1119WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBL02

Quant Time: Dec 03 05:19:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:39:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	194686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	411997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	430275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	200449	58.53	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.06%
35) Dibromofluoromethane	7.55	113	139865	59.64	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	119.28%
50) Toluene-d8	10.06	98	529184	49.65	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.30%
62) 4-Bromofluorobenzene	12.37	95	205407	51.56	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.12%

Target Compounds

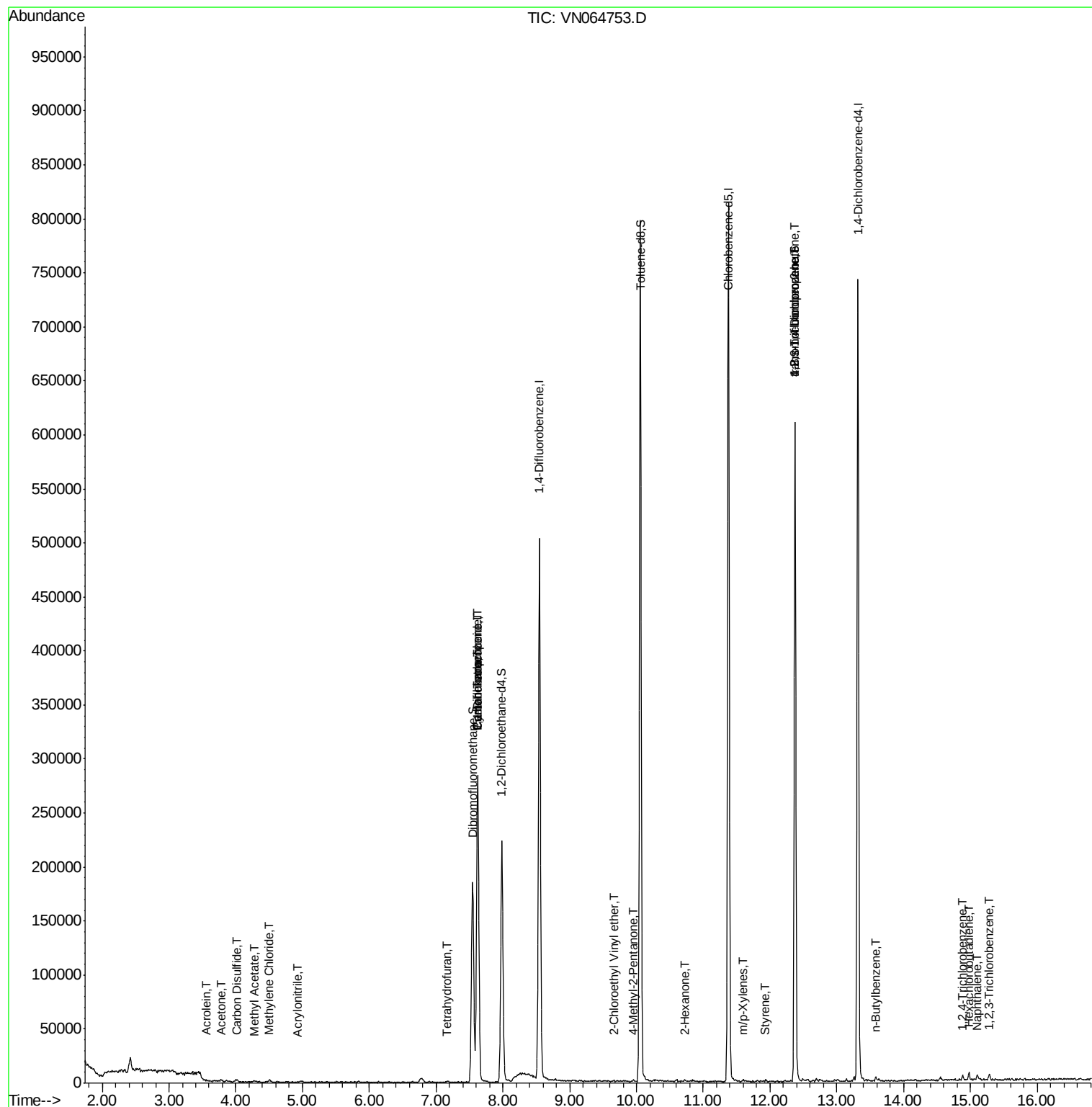
					Qvalue	
13) Acrolein	3.56	56	109	1.401	ug/l #	11
15) Acrylonitrile	4.93	53	229	0.235	ug/l #	58
16) Acetone	3.78	43	1968	7.391	ug/l	97
17) Carbon Disulfide	4.01	76	1835	0.432	ug/l #	78
18) Methyl Acetate	4.27	43	173	1.401	ug/l #	54
20) Methylene Chloride	4.50	84	677	0.267	ug/l #	41
29) Tetrahydrofuran	7.16	42	254	0.287	ug/l #	63
31) Cyclohexane	7.62	56	6319	1.707	ug/l #	48
36) 1,1-Dichloropropene	7.62	75	19332	4.561	ug/l #	48
38) Carbon Tetrachloride	7.62	117	24534	5.446	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	542	6.257	ug/l #	73
58) 2-Chloroethyl Vinyl ether	9.66	63	265	13.368	ug/l #	49
59) 2-Hexanone	10.72	43	1253	8.836	ug/l	81
68) m/p-Xylenes	11.59	106	324	4.109	ug/l #	1
70) Styrene	11.94	104	728	2.600	ug/l #	63
76) 1,2,3-Trichloropropane	12.37	75	117232	30.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	117232	78.469	ug/l #	5
89) n-Butylbenzene	13.59	91	2692	0.292	ug/l	85
93) 1,2,4-Trichlorobenzene	14.88	180	1443	1.790	ug/l	76
94) Hexachlorobutadiene	14.98	225	1344	0.589	ug/l	86
95) Naphthalene	15.11	128	4355	0.439	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.28	180	1378	1.220	ug/l	90

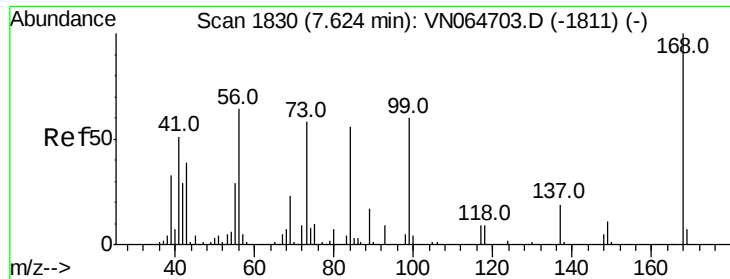
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 05:19:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 00:39:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

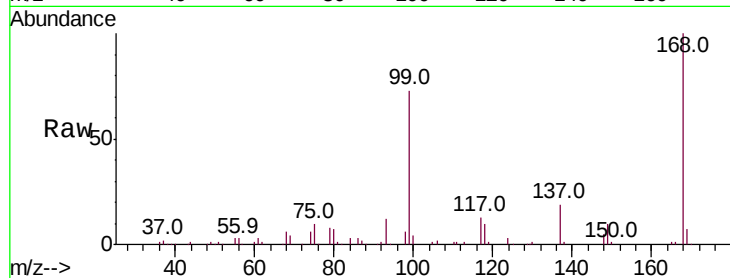
VN1119WBL02

Tot Ion:168 Resp: 194686

Ion Ratio Lower Upper

168 100

99 72.5 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): VN064753.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064753.D (-1737) (-)

7.62

80000

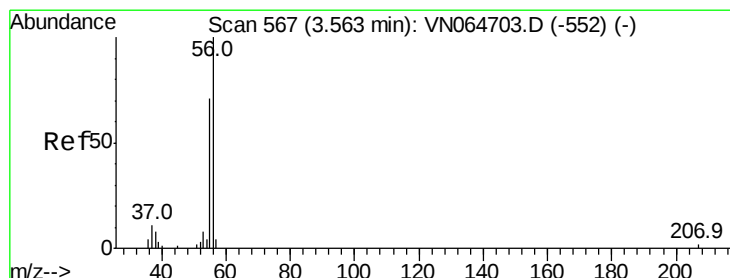
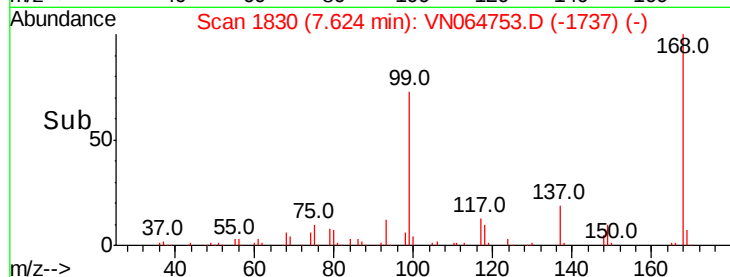
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 1.401 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN064753.D

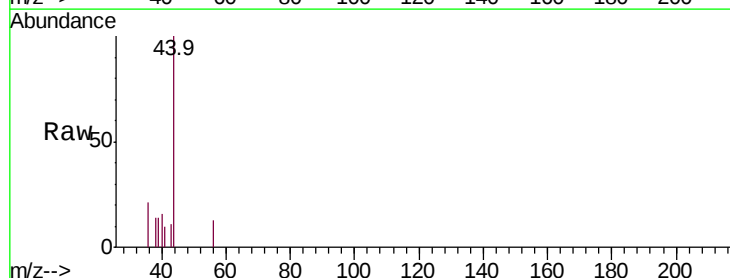
Acq: 20 Nov 2020 00:49

Tgt Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN064753.D (-474) (-)

Ion 55.00 (54.70 to 55.70): VN064753.D (-474) (-)

3.56

200

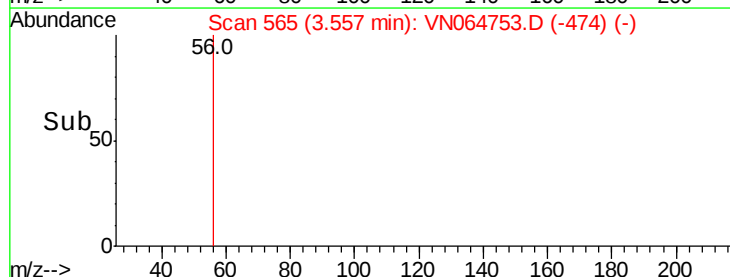
150

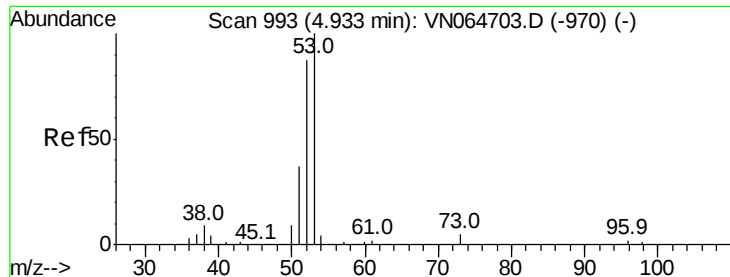
100

50

0

Time-->





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

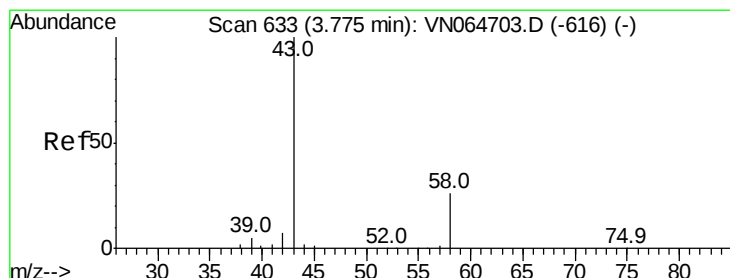
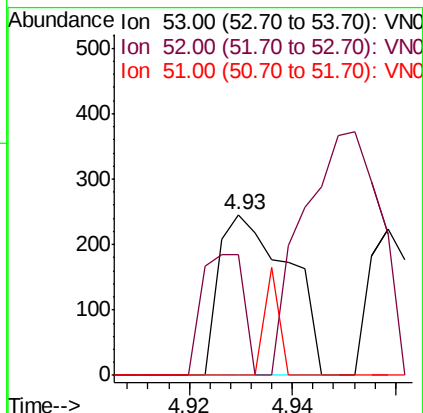
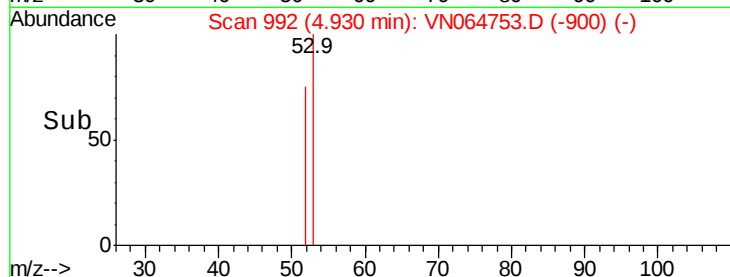
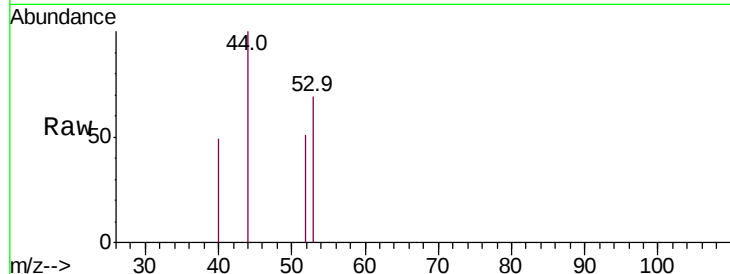
Tot Ion: 53 Resp: 229

Ion Ratio Lower Upper

53 100

52 45.0 67.2 100.8#

51 14.0 31.0 46.6#



#16

Acetone

Concen: 7.391 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064753.D

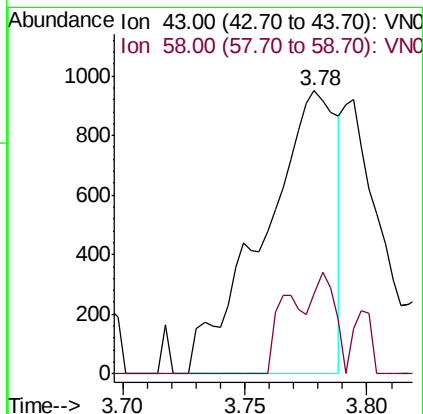
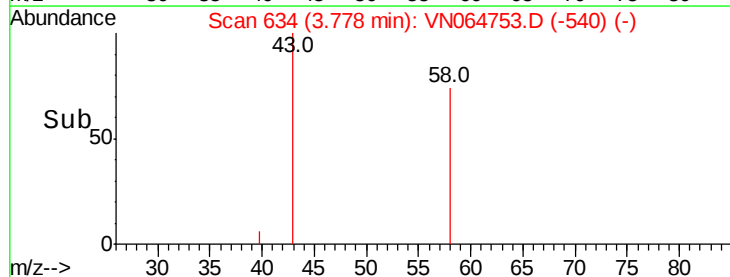
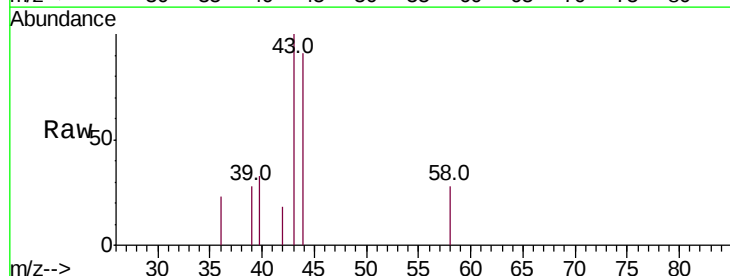
Acq: 20 Nov 2020 00:49

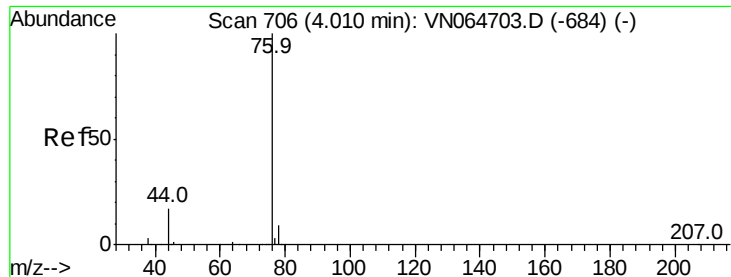
Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

43 100

58 28.2 21.2 31.8





#17

Carbon Disulfide

Concen: 0.432 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampled :

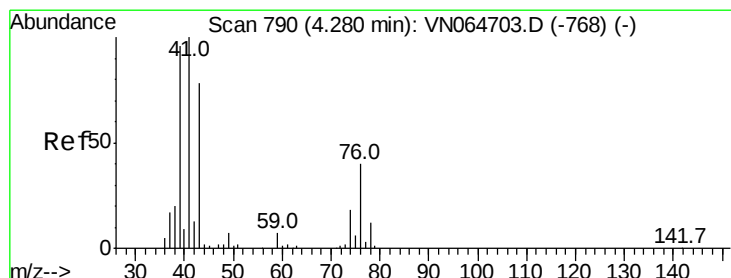
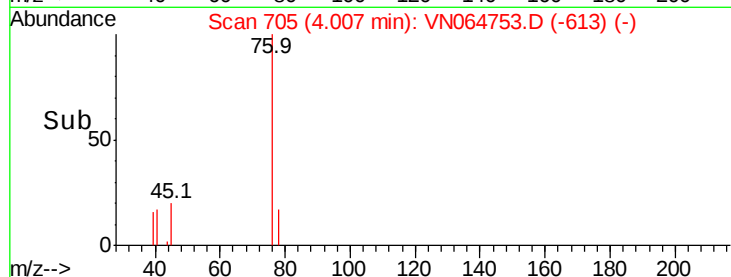
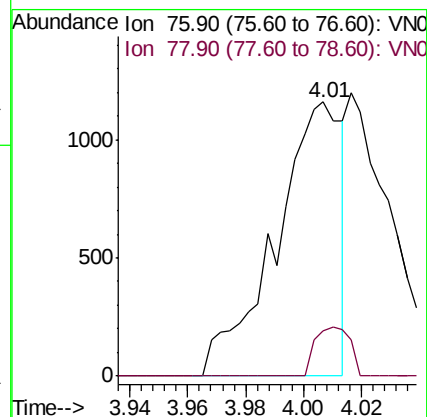
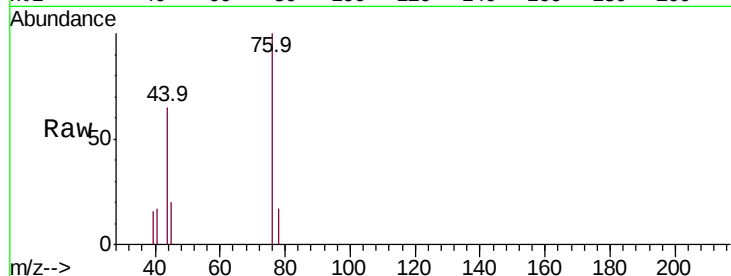
VN1119WBL02

Tot Ion: 76 Resp: 1835

Ion Ratio Lower Upper

76 100

78 16.7 7.1 10.7#



#18

Methyl Acetate

Concen: 1.401 ug/l

RT: 4.27 min Scan# 786

Delta R.T. -0.01 min

Lab File: VN064753.D

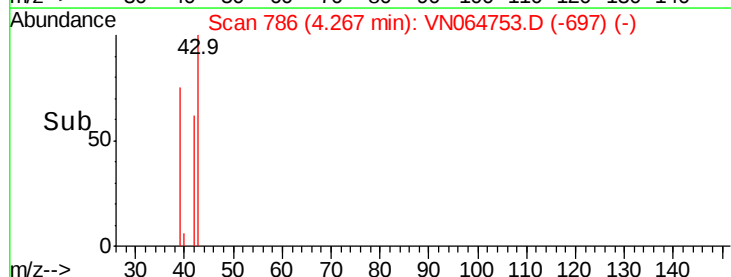
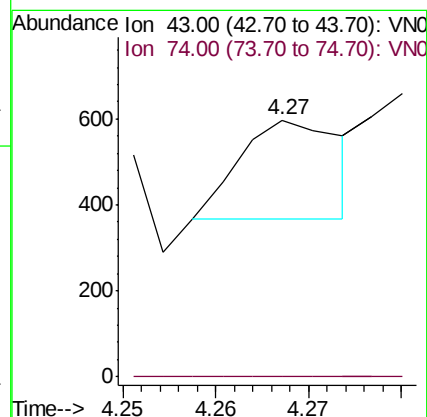
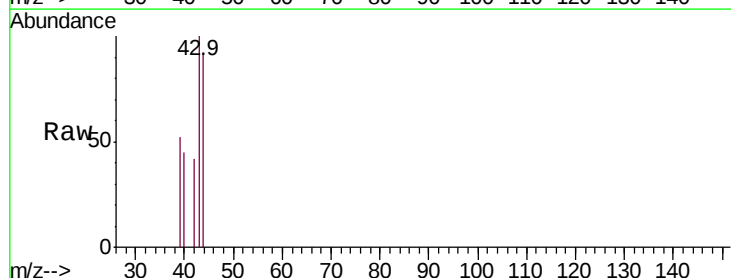
Acq: 20 Nov 2020 00:49

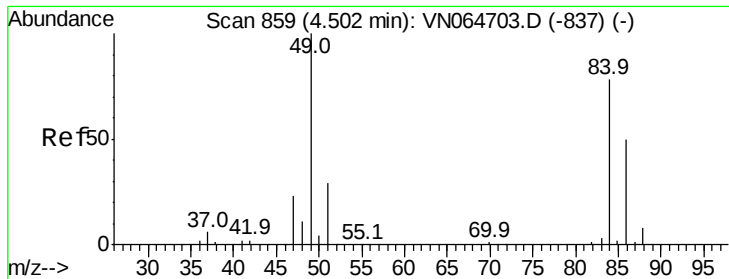
Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#





#20

Methvlene Chloride

Concen: 0.267 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

Tot Ion: 84 Resp: 677

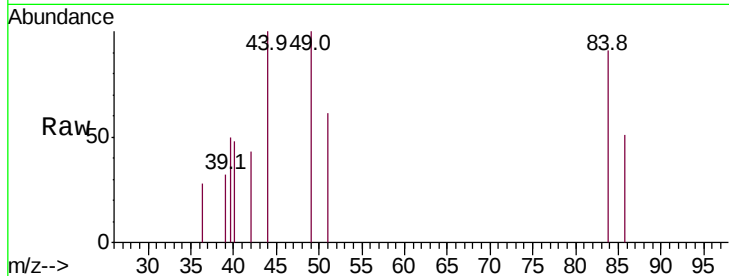
Ion Ratio Lower Upper

84 100

49 52.5 102.4 153.6#

51 67.3 29.4 44.2#

86 23.4 51.2 76.8#

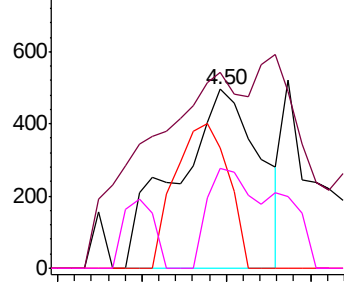


Abundance Ion 83.90 (83.60 to 84.60): VN0

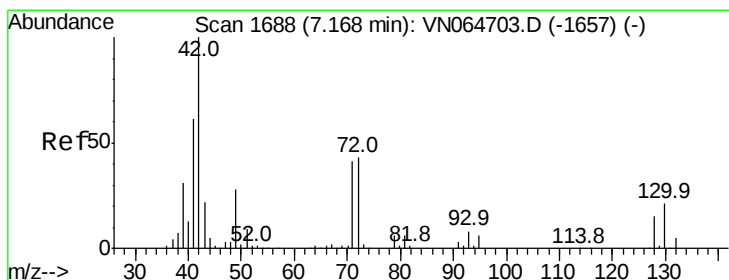
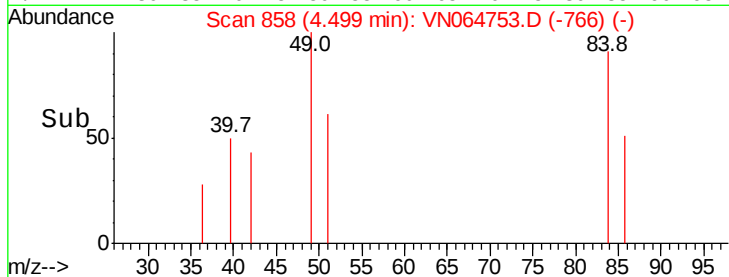
Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



Time--> 4.46 4.48 4.50 4.52



#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

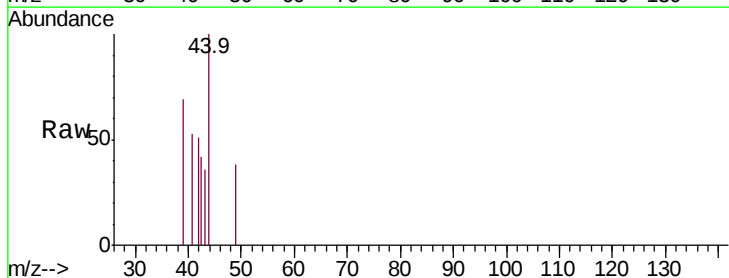
Tgt Ion: 42 Resp: 254

Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.4#

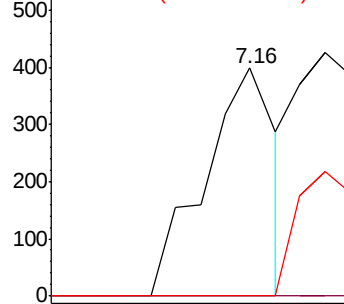
71 43.7 31.8 47.6



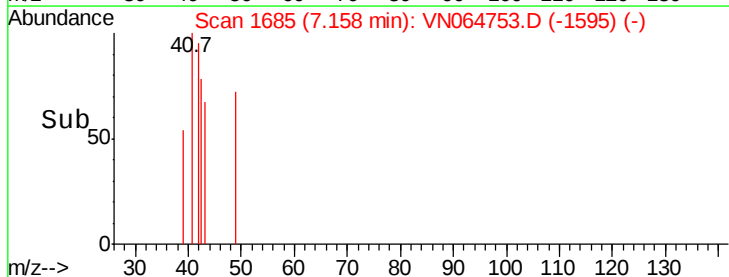
Abundance Ion 42.00 (41.70 to 42.70): VN0

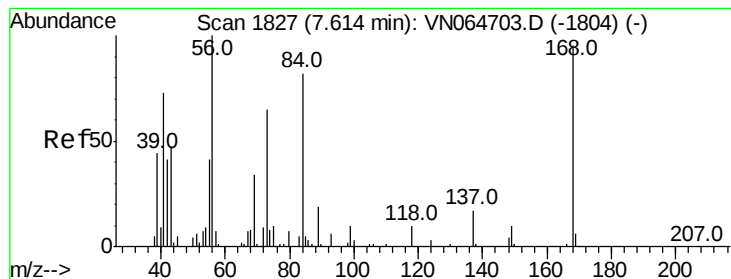
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.14 7.15 7.16





#31

Cyclohexane

Concen: 1.707 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

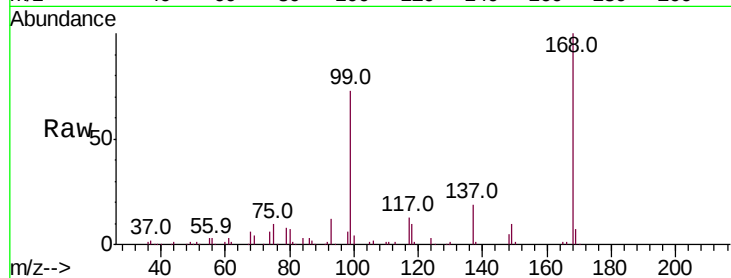
Tot Ion: 56 Resp: 6319

Ion Ratio Lower Upper

56 100

69 129.6 27.2 40.8#

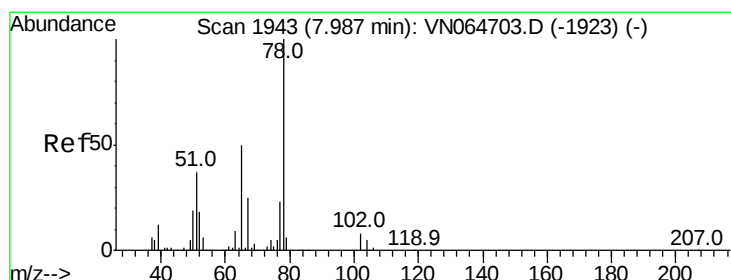
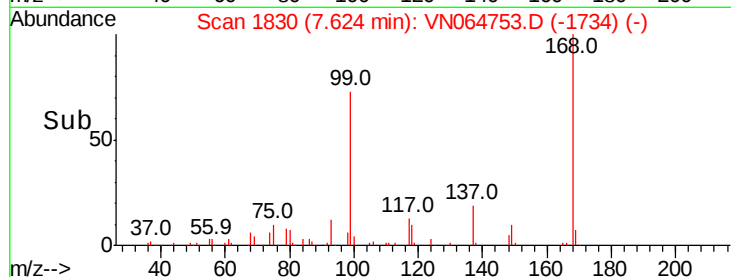
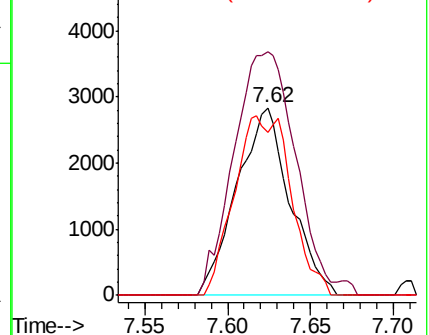
84 86.8 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 58.528 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064753.D

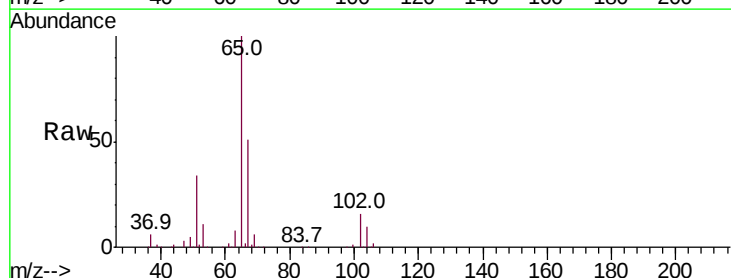
Acq: 20 Nov 2020 00:49

Tgt Ion: 65 Resp: 200449

Ion Ratio Lower Upper

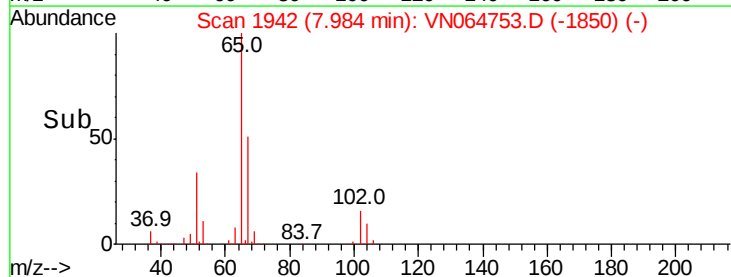
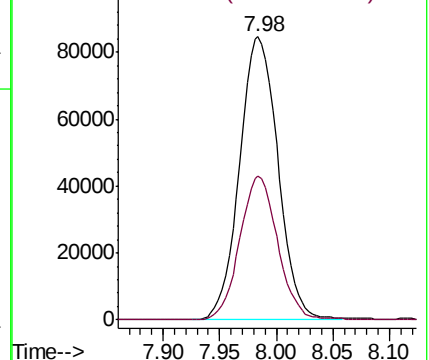
65 100

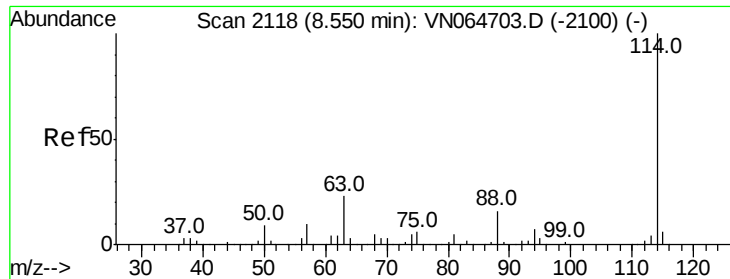
67 50.0 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

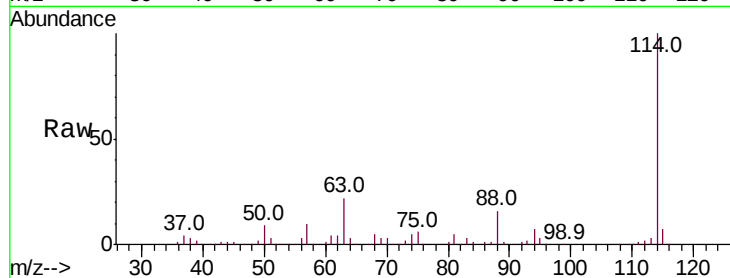




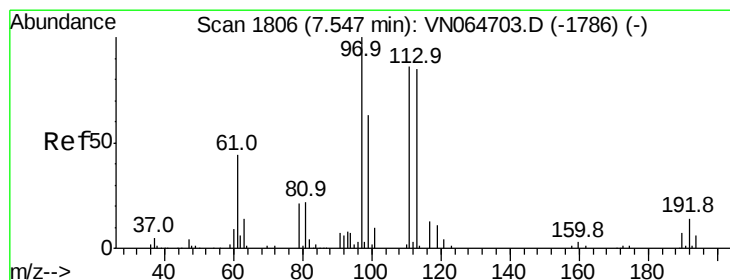
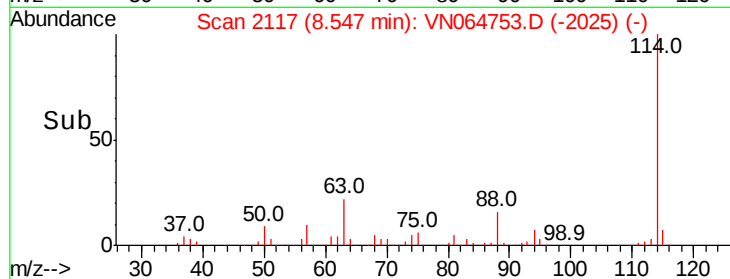
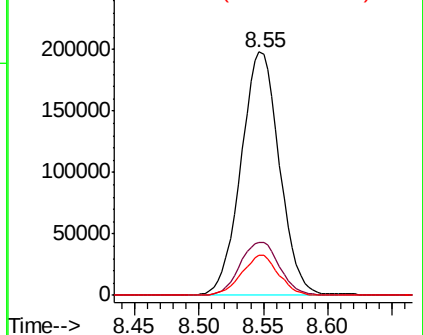
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	46.0
88	16.5	0.0	31.2

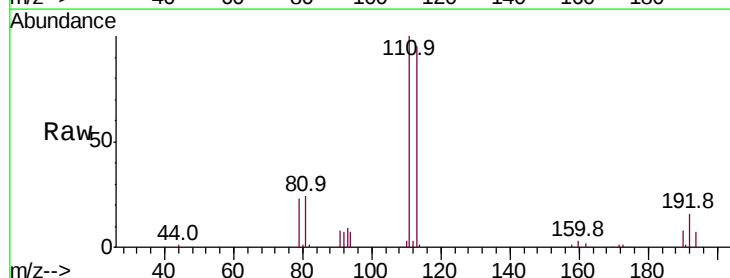


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

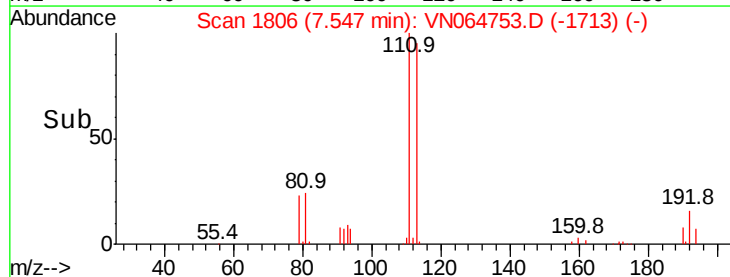
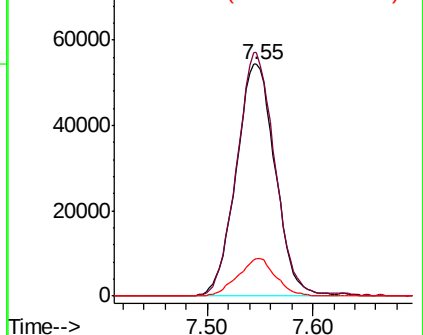


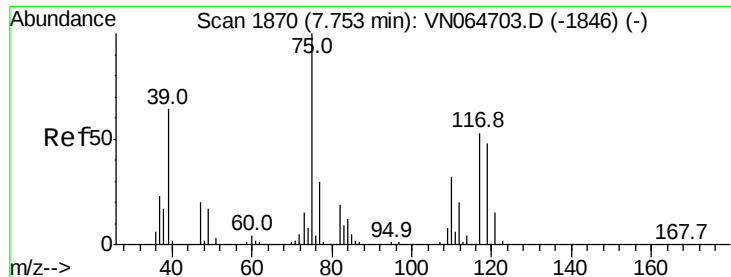
#35
 Dibromofluoromethane
 Concen: 59.645 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	15.7	12.7	19.1



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

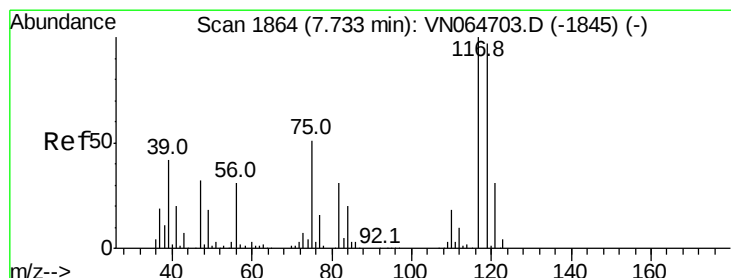
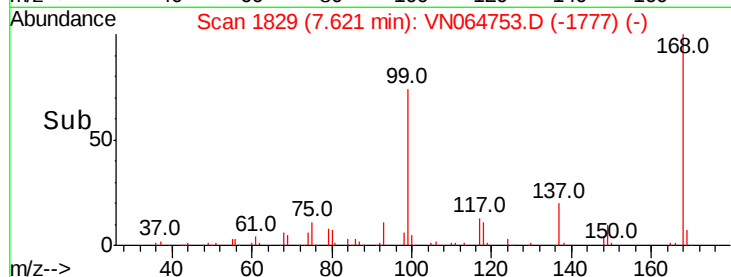
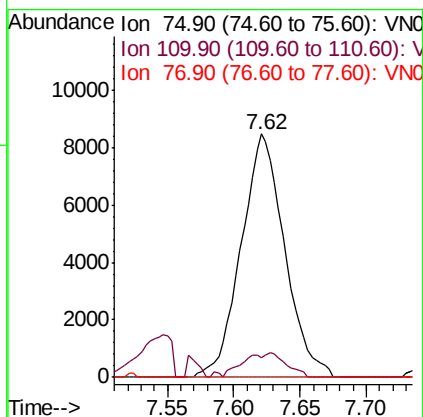
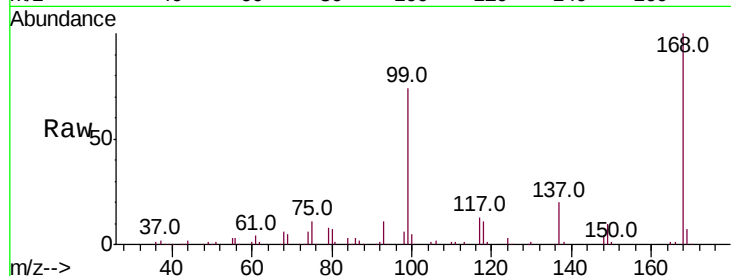




#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

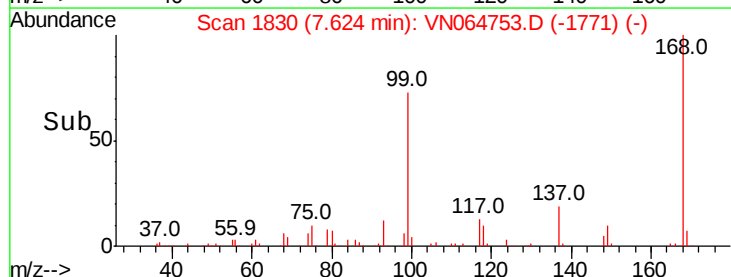
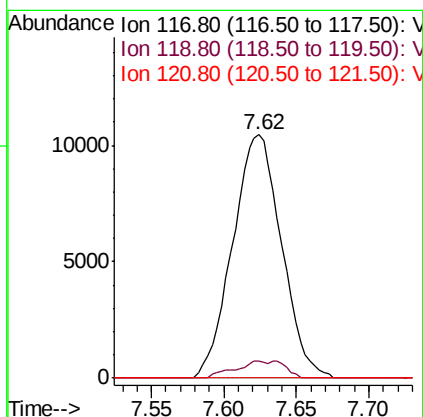
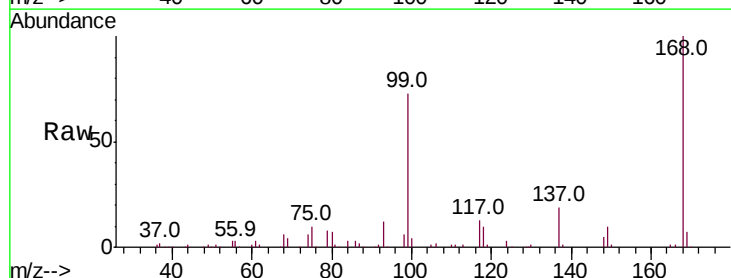
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBL02

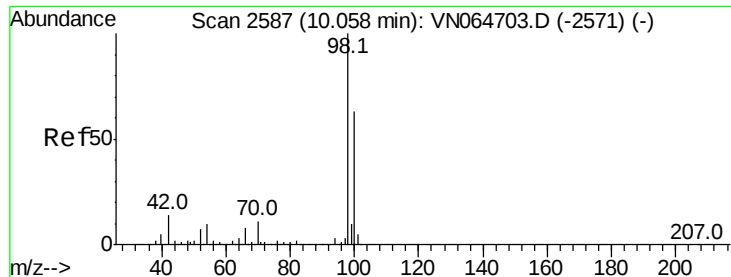
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	16.2	48.6#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.446 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.8	116.6#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 49.653 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

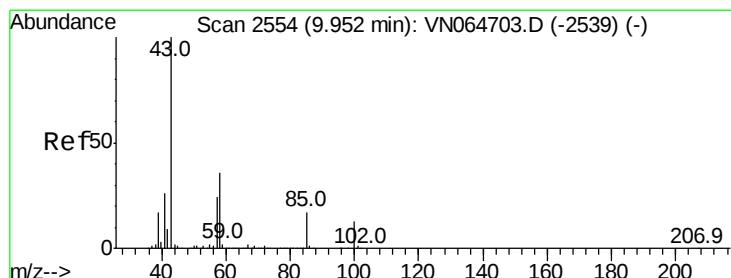
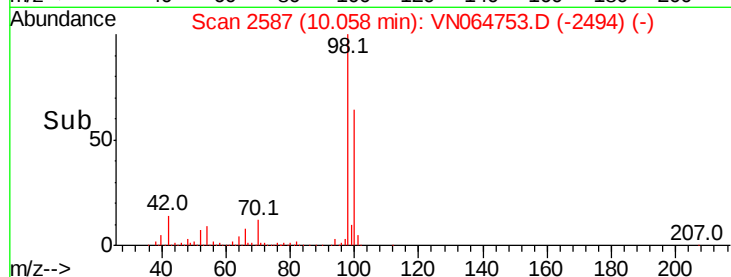
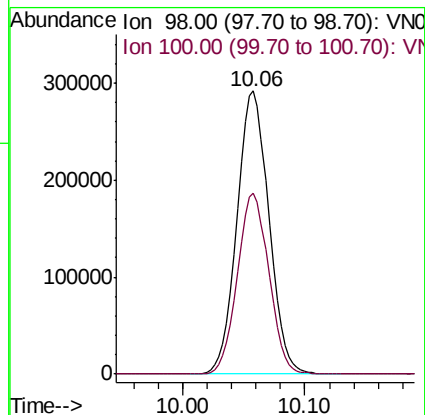
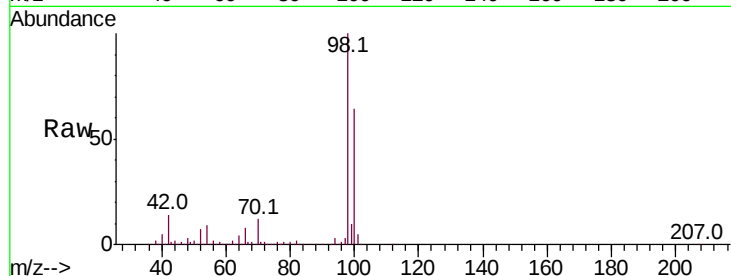
VN1119WBL02

Tot Ion: 98 Resp: 529184

Ion Ratio Lower Upper

98 100

100 63.1 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 6.257 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064753.D

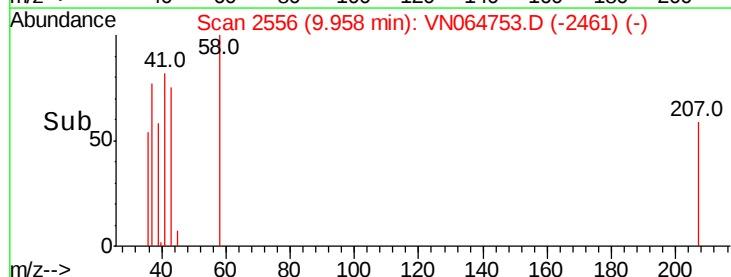
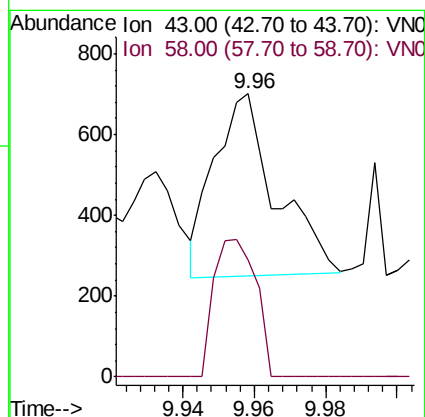
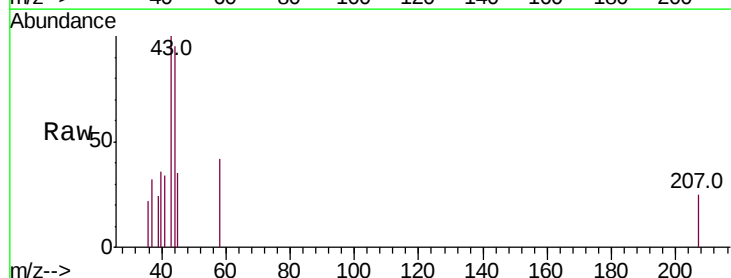
Acq: 20 Nov 2020 00:49

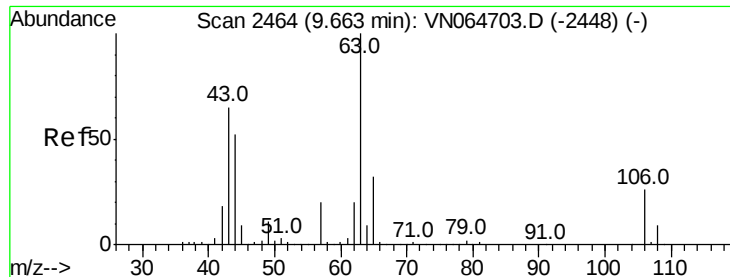
Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

58 51.1 28.5 42.7#

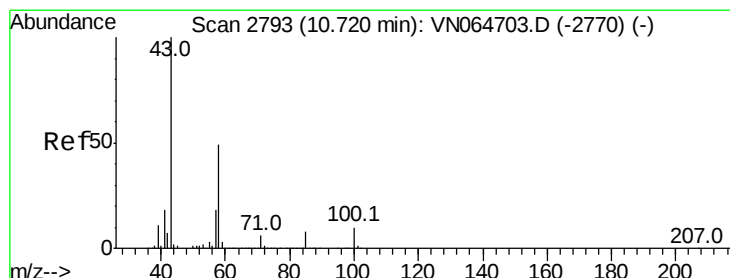
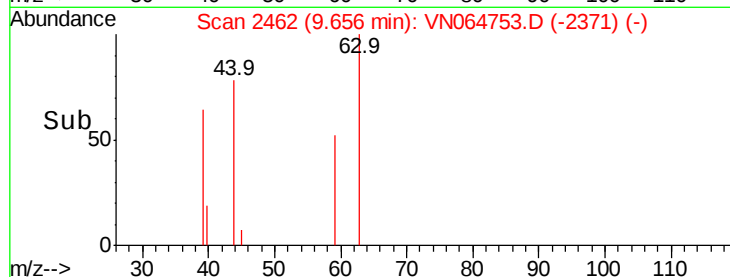
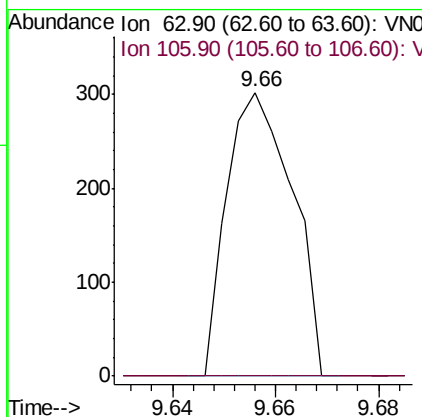
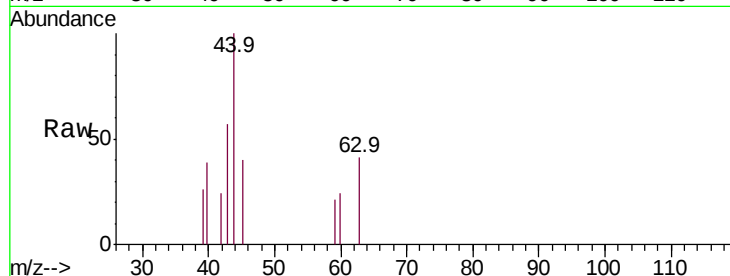




#58
2-Chloroethyl Vinyl ether
Concen: 13.368 ug/l
RT: 9.66 min Scan# 2462
Delta R.T. -0.01 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

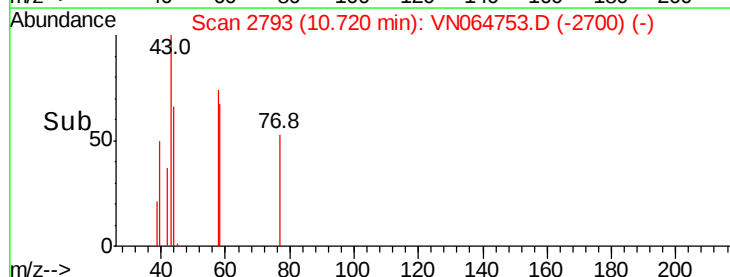
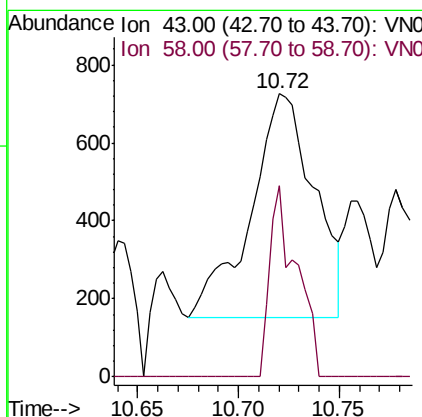
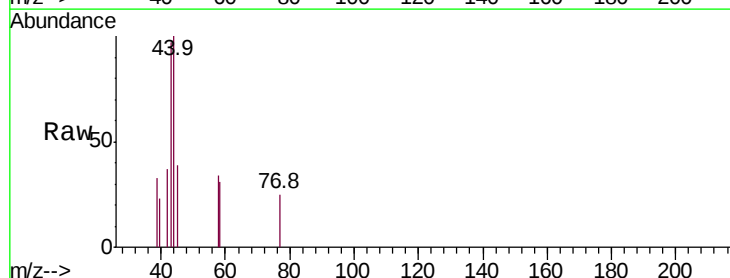
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL02

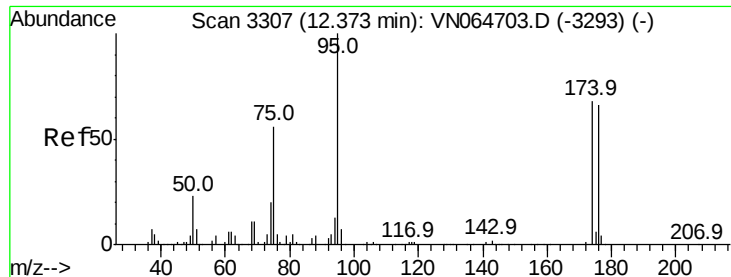
Tot Ion: 63 Resp: 265
Ion Ratio Lower Upper
63 100
106 0.0 20.9 31.3#



#59
2-Hexanone
Concen: 8.836 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
58 36.0 24.4 73.4

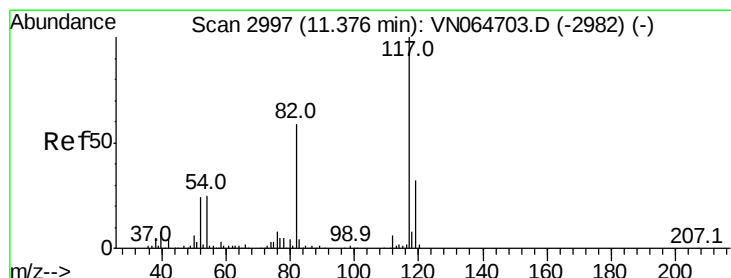
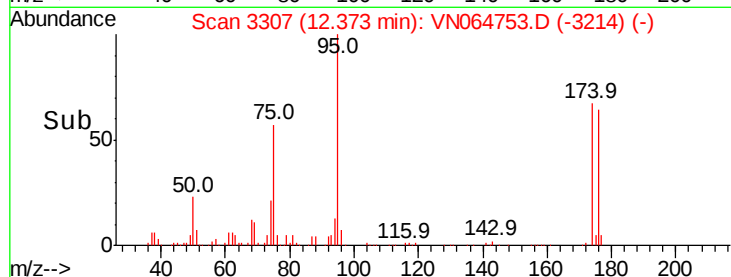
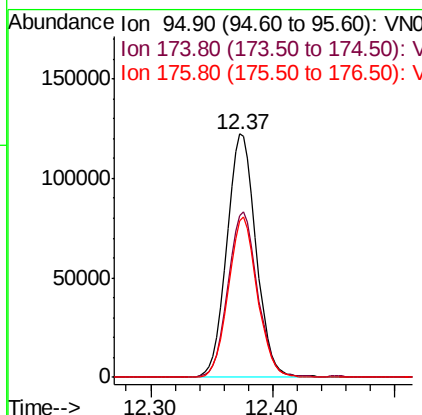
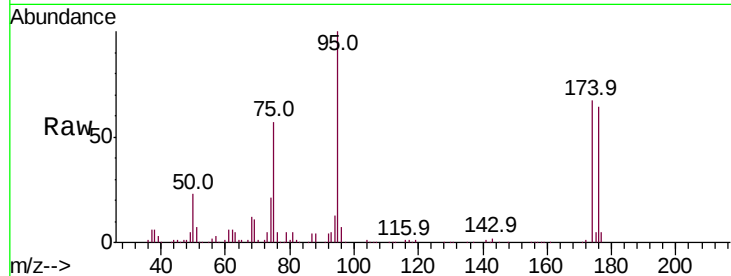




#62
4-Bromofluorobenzene
Concen: 51.564 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

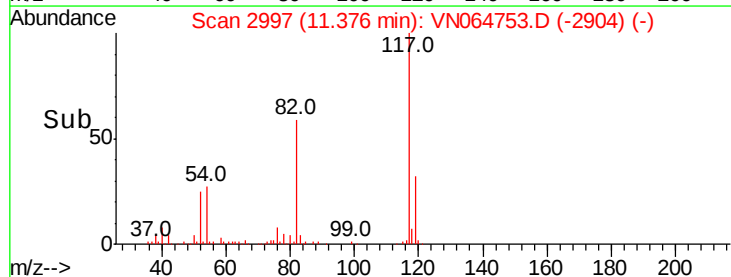
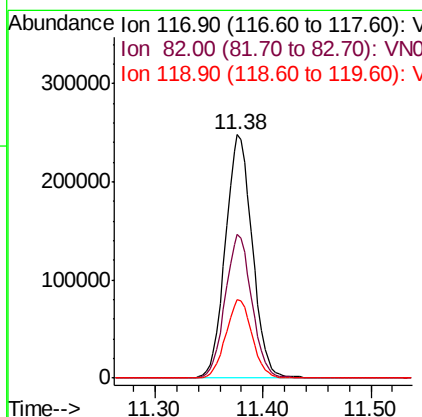
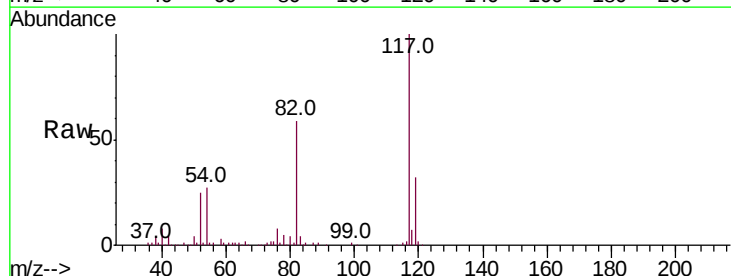
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL02

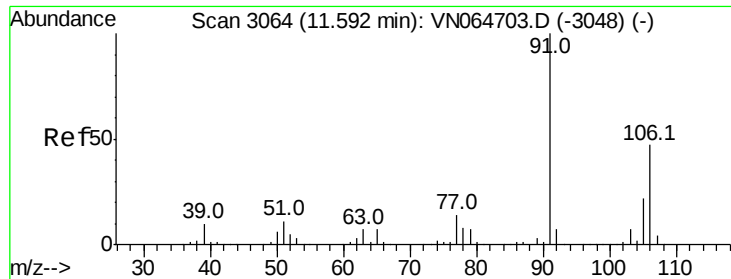
Tot Ion	95	Resp	205407
Ion Ratio	Lower	Upper	
95	100		
174	68.7	0.0	136.8
176	65.2	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

Tgt Ion	117	Resp	430275
Ion Ratio	Lower	Upper	
117	100		
82	58.8	47.0	70.6
119	32.2	25.4	38.2

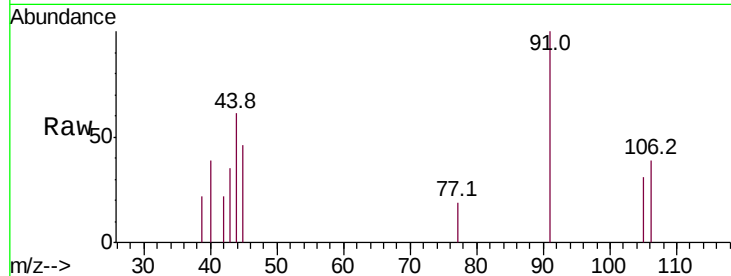




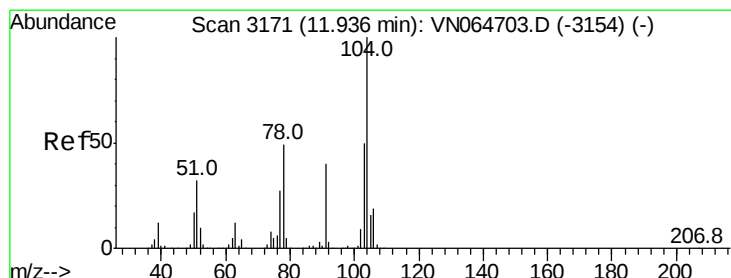
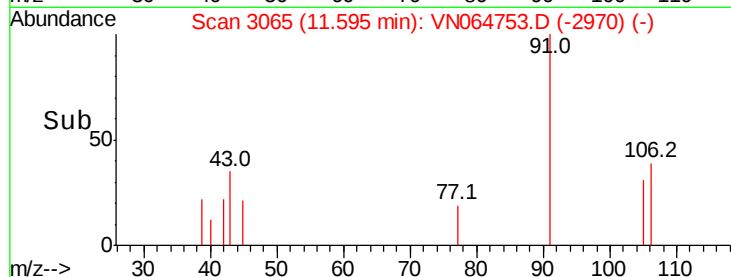
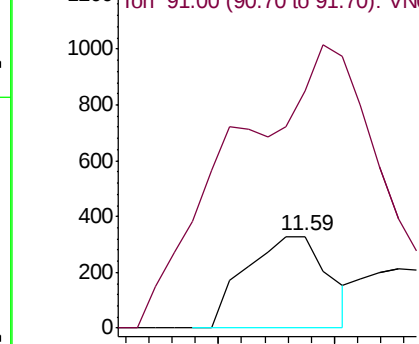
#68
m/p-Xvlenes
Concen: 4.109 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL02

Tot Ion:106 Resp: 324
Ion Ratio Lower Upper
106 100
91 574.7 171.9 257.9#

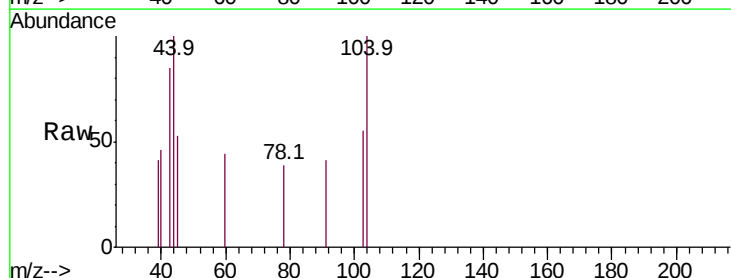


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

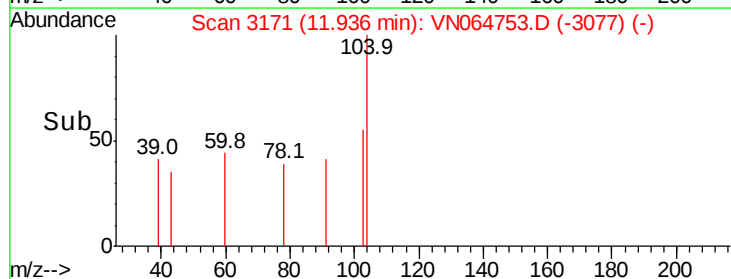
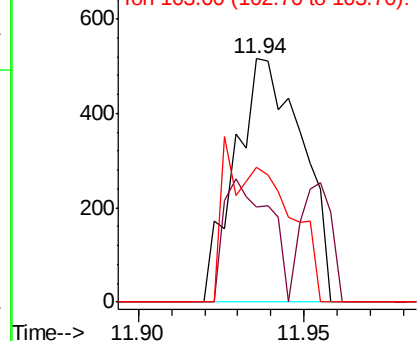


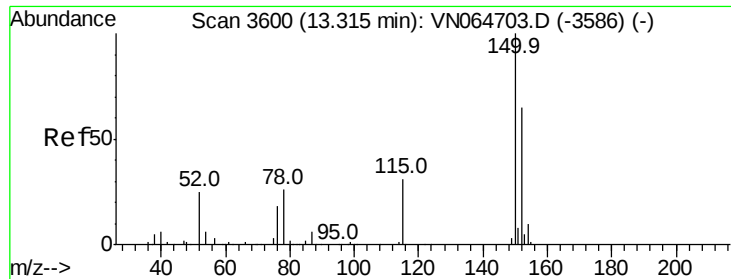
#70
Styrene
Concen: 2.600 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064753.D
Acq: 20 Nov 2020 00:49

Tgt Ion:104 Resp: 728
Ion Ratio Lower Upper
104 100
78 34.1 44.1 66.1#
103 22.0 43.7 65.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

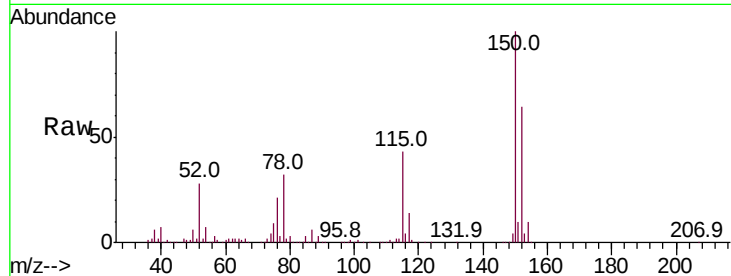
Tot Ion:152 Resp: 176663

Ion Ratio Lower Upper

152 100

115 67.3 32.1 96.3

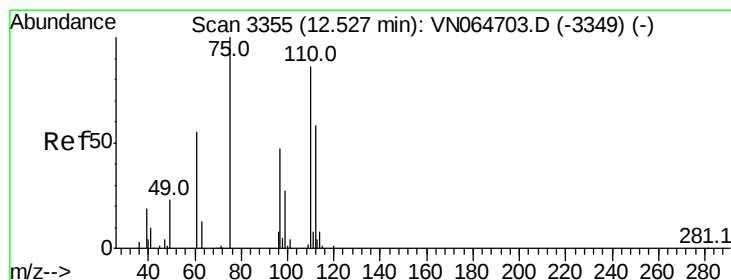
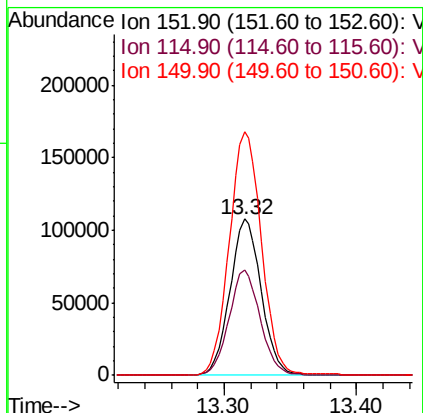
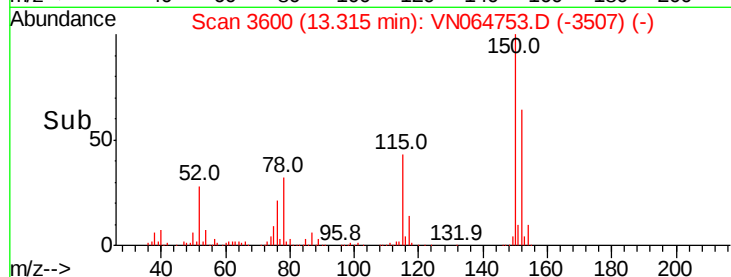
150 159.7 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 30.798 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064753.D

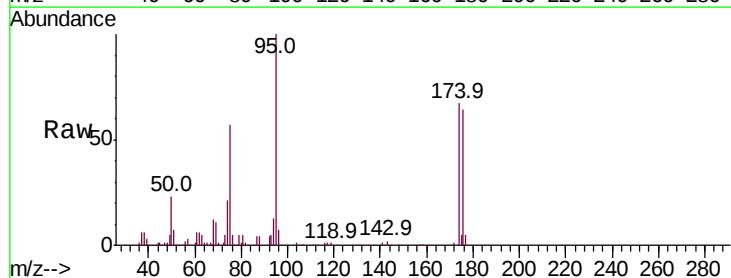
Acq: 20 Nov 2020 00:49

Tgt Ion: 75 Resp: 117232

Ion Ratio Lower Upper

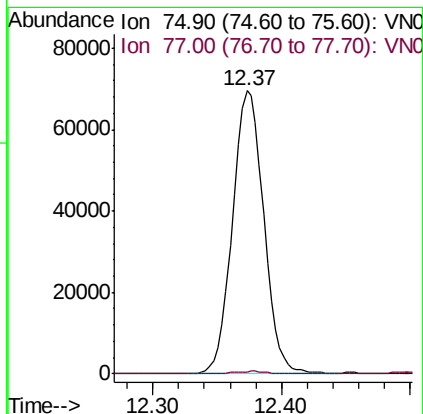
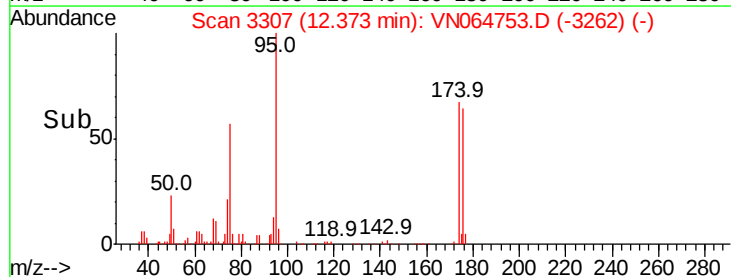
75 100

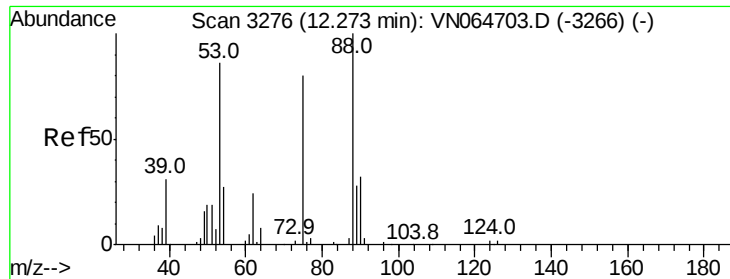
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.469 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

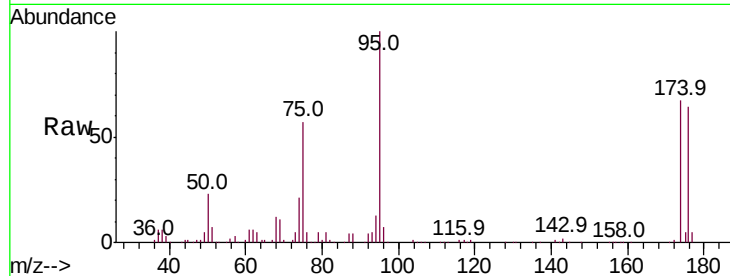
Tot Ion: 75 Resp: 117232

Ion Ratio Lower Upper

75 100

53 0.2 88.8 133.2#

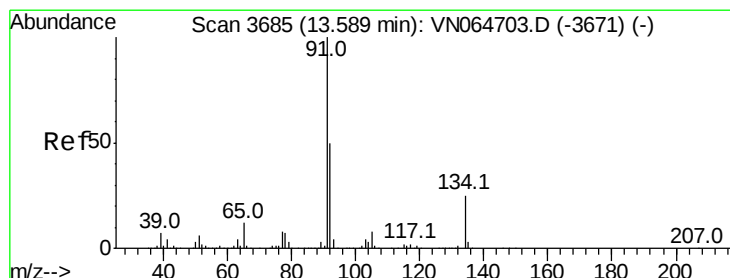
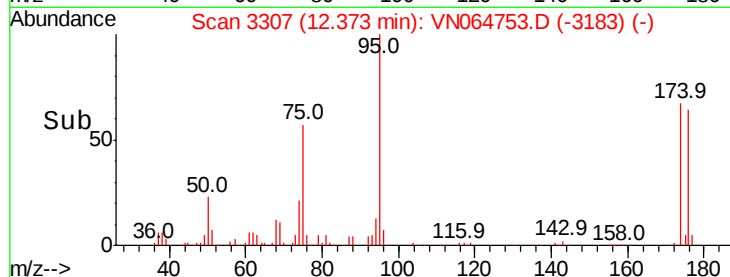
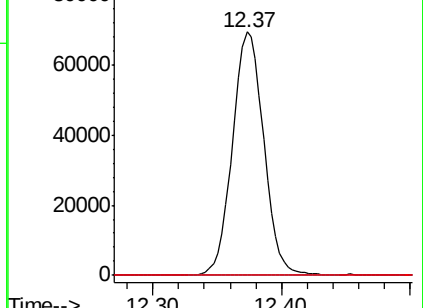
89 0.0 43.1 64.7#



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



#89

n-Butylbenzene

Concen: 0.292 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

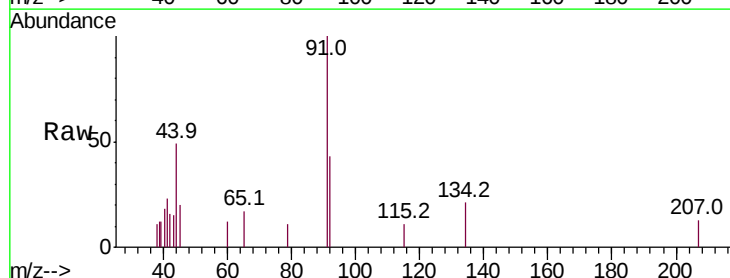
Tgt Ion: 91 Resp: 2692

Ion Ratio Lower Upper

91 100

92 39.5 24.9 74.8

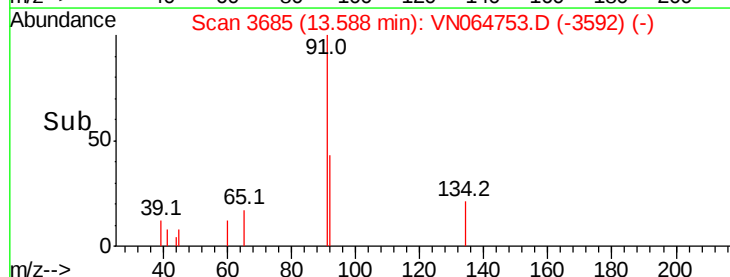
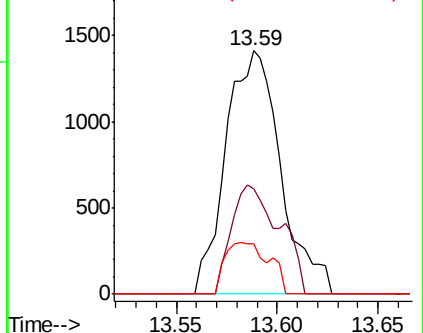
134 17.2 12.0 36.0

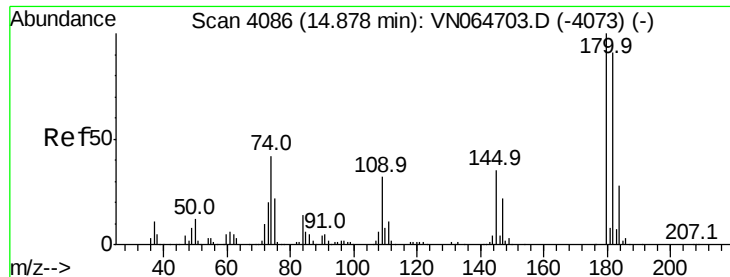


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

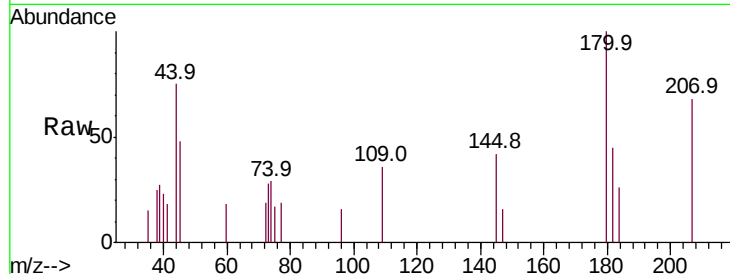




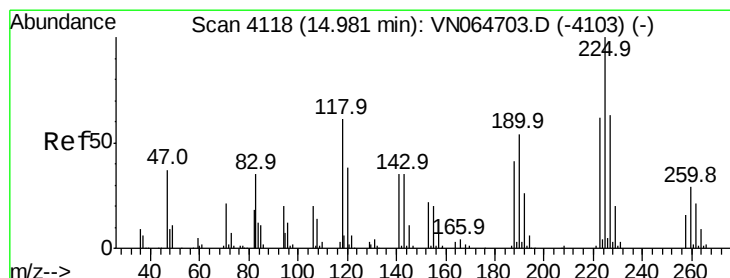
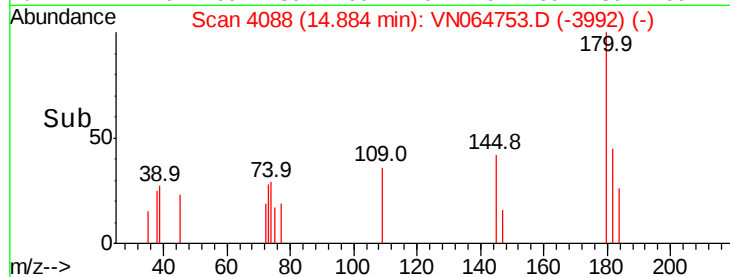
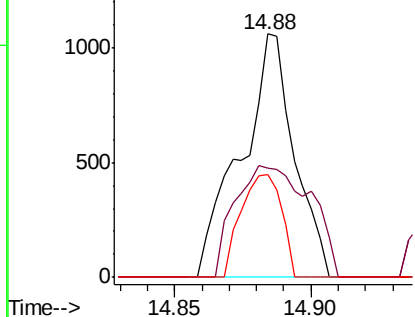
#93
 1,2,4-Trichlorobenzene
 Concen: 1.790 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN1119WBL02

Tot Ion:180 Resp: 1443
 Ion Ratio Lower Upper
 180 100
 182 64.6 47.3 141.8
 145 31.8 17.5 52.5

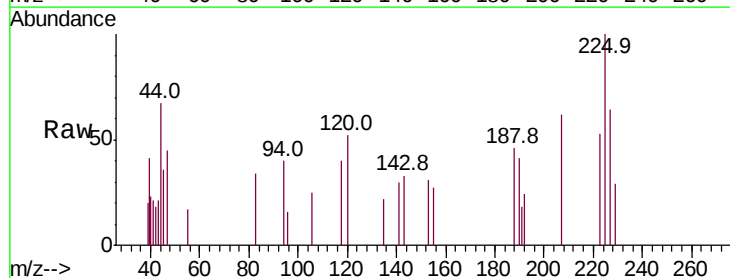


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

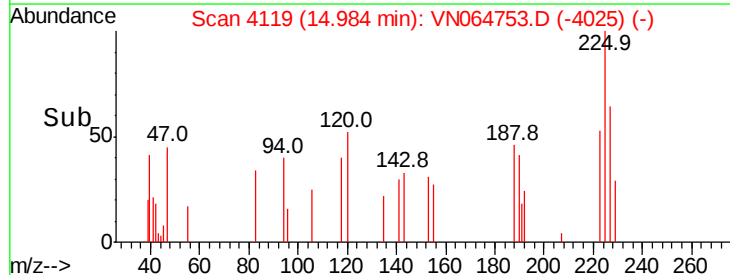
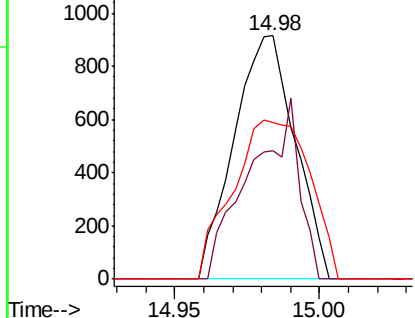


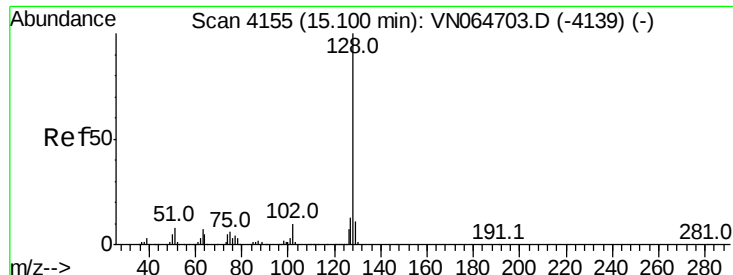
#94
 Hexachlorobutadiene
 Concen: 0.589 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064753.D
 Acq: 20 Nov 2020 00:49

Tgt Ion:225 Resp: 1344
 Ion Ratio Lower Upper
 225 100
 223 58.9 31.2 93.6
 227 82.1 32.1 96.3



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: 0.439 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBL02

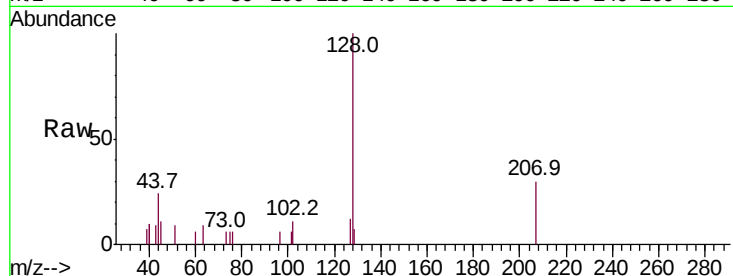
Tot Ion:128 Resp: 4355

Ion Ratio Lower Upper

128 100

127 6.1 10.8 16.2#

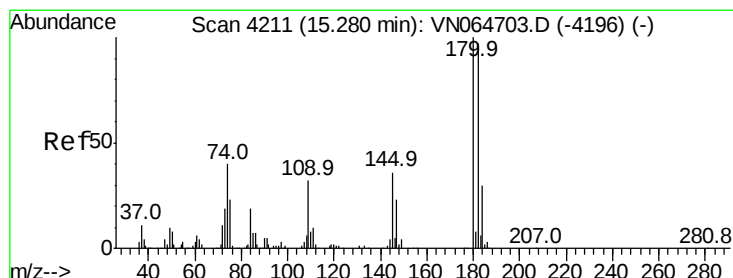
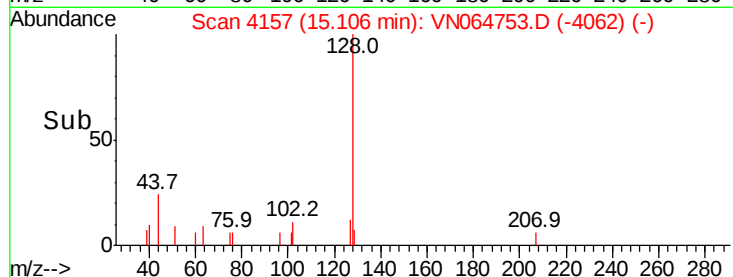
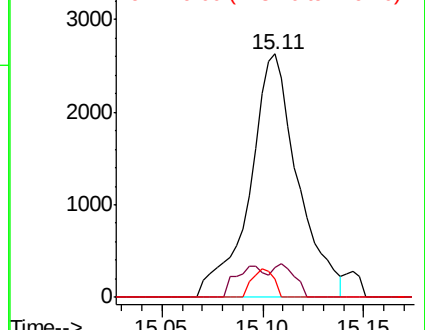
129 5.2 8.9 13.3#



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: 1.220 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064753.D

Acq: 20 Nov 2020 00:49

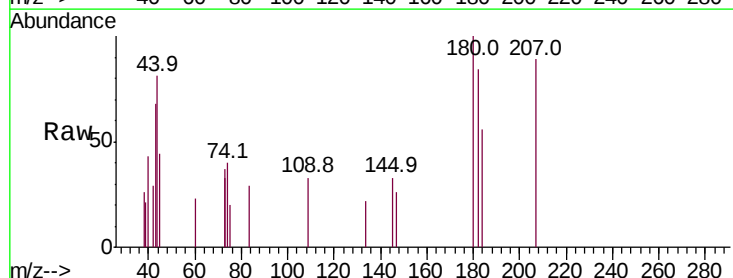
Tgt Ion:180 Resp: 1378

Ion Ratio Lower Upper

180 100

182 104.7 47.5 142.5

145 30.0 18.1 54.1



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

