

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019247.D
 Acq On : 03 Nov 2020 20:47
 Operator : JC/MD
 Sample : L4600-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-19

Quant Time: Nov 04 02:25:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	322604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	563171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	553787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	287234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	215789	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	5.46	113	171185	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.70	98	715751	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	11.12	95	278079	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	

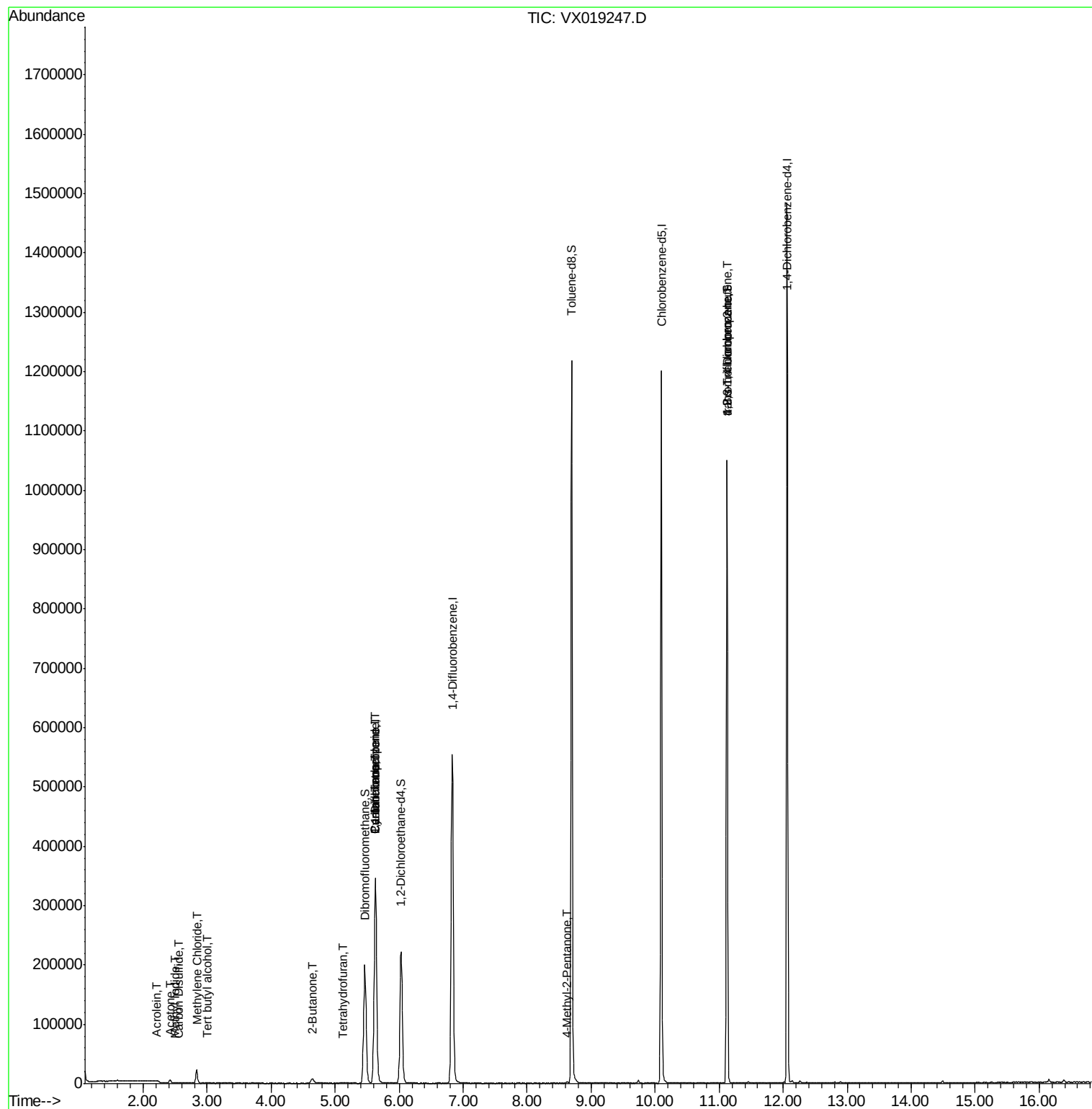
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	46	6.390	ug/l #	39
11) Tert butyl alcohol	3.00	59	903	1.099	ug/l #	72
13) Acrolein	2.21	56	296	6.435	ug/l #	72
16) Acetone	2.42	43	5375	3.745	ug/l	96
17) Carbon Disulfide	2.55	76	413	0.805	ug/l #	75
20) Methylene Chloride	2.84	84	10661	2.959	ug/l #	94
25) 2-Butanone	4.65	43	1483	0.656	ug/l	93
29) Tetrahydrofuran	5.12	42	1296	0.909	ug/l #	85
31) Cyclohexane	5.62	56	7004	1.332	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	27158	5.222	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33283	6.279	ug/l #	17
51) 4-Methyl-2-Pentanone	8.62	43	1558	0.335	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	142323	23.997	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	142323	63.185	ug/l #	12

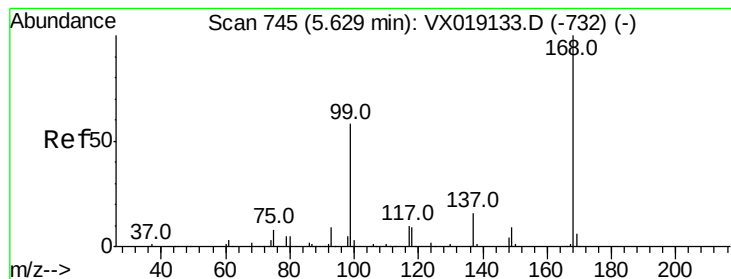
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

Instrument :

MSVOA_X

ClientSampled :

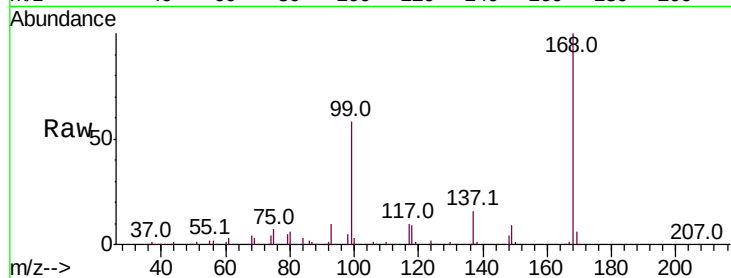
CRT-19

Tot Ion:168 Resp: 322604

Ion Ratio Lower Upper

168 100

99 58.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

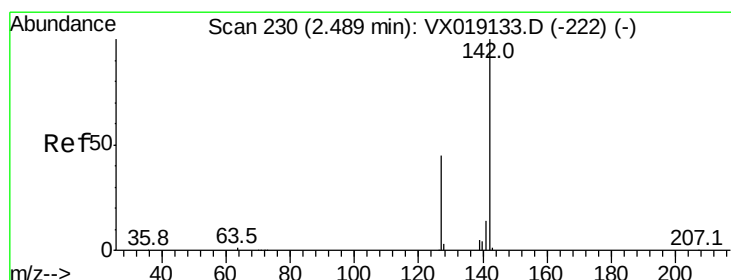
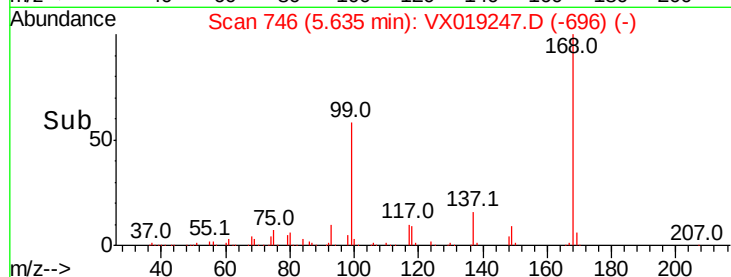
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.390 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

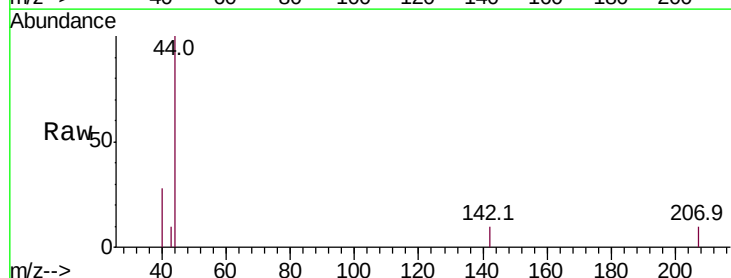
Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

80

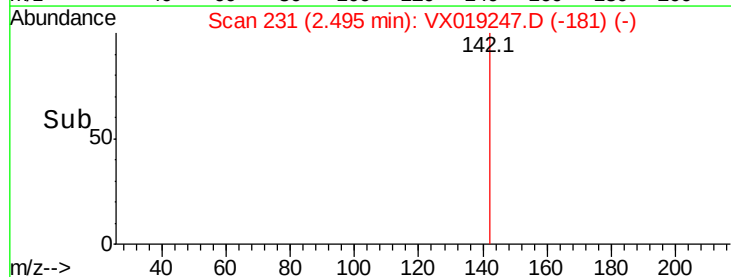
60

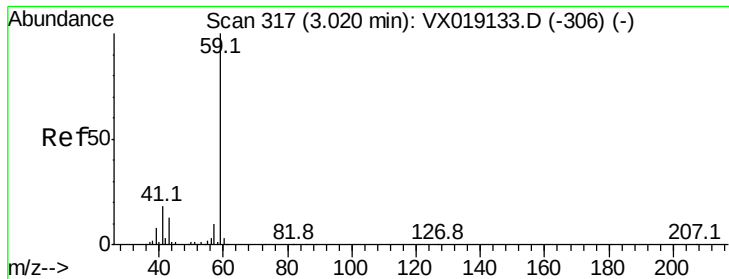
40

20

0

Time-->

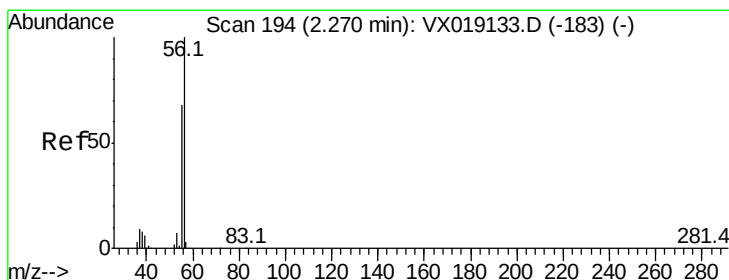
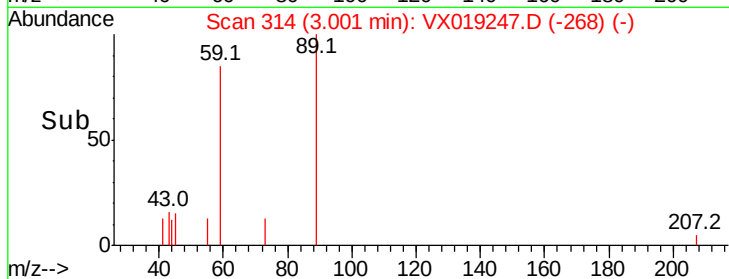
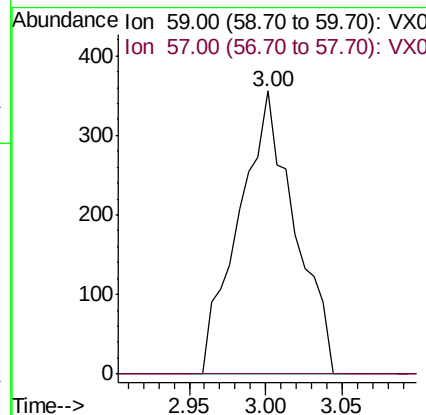
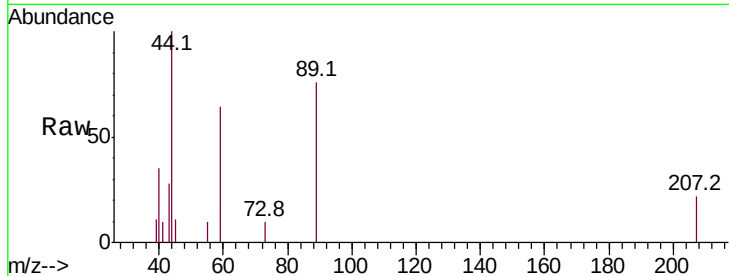




#11
Tert butyl alcohol
Concen: 1.099 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

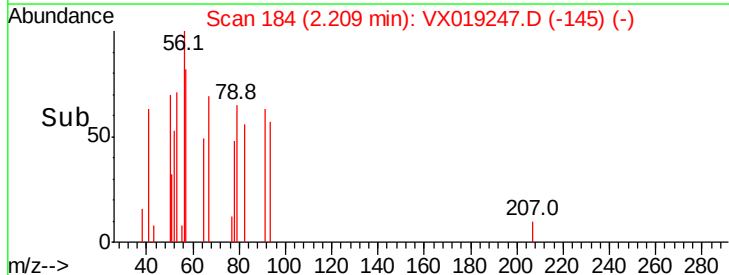
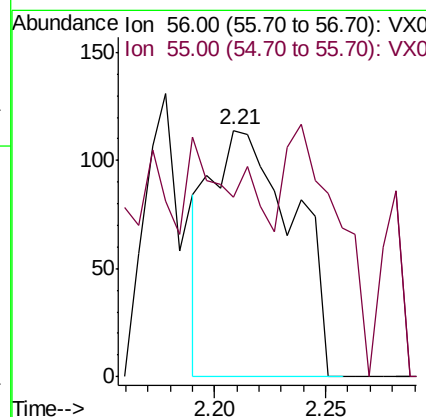
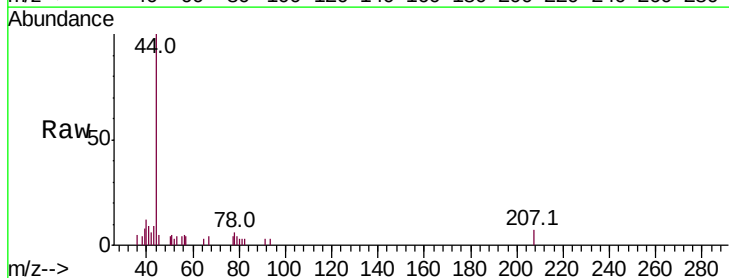
Instrument :
MSVOA_X
ClientSampled :
CRT-19

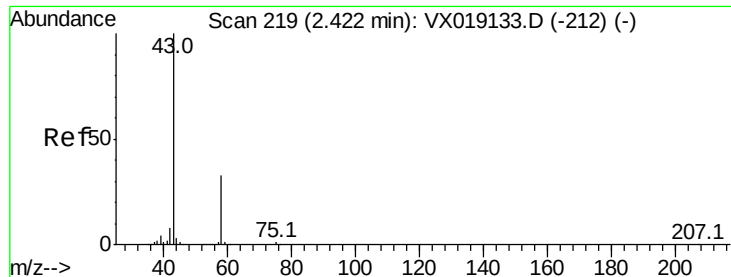
Tot Ion: 59 Resp: 903
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 6.435 ug/l
RT: 2.21 min Scan# 184
Delta R.T. -0.06 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 45.9 54.7 82.1#





#16

Acetone

Concen: 3.745 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

Instrument :

MSVOA_X

ClientSampled :

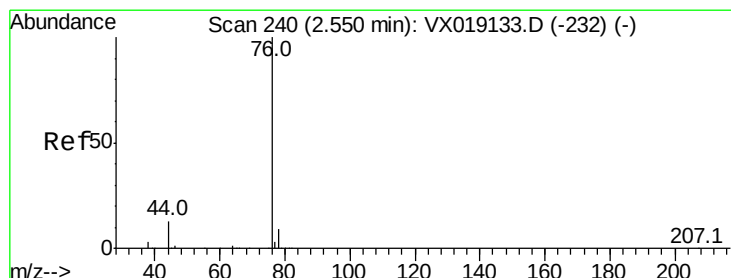
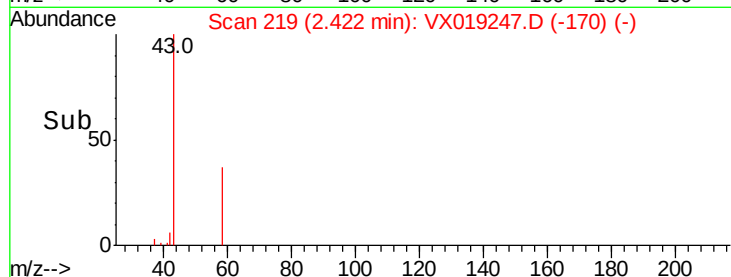
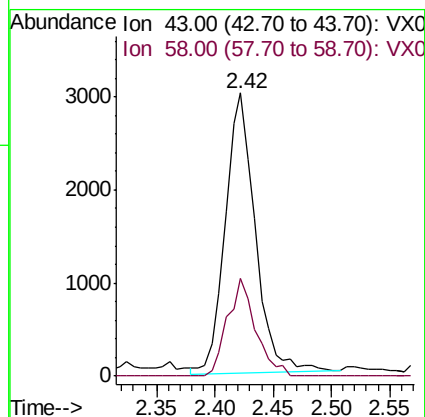
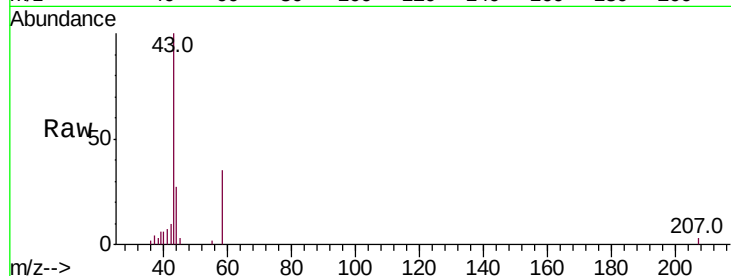
CRT-19

Tot Ion: 43 Resp: 5375

Ion Ratio Lower Upper

43 100

58 35.2 26.3 39.5



#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019247.D

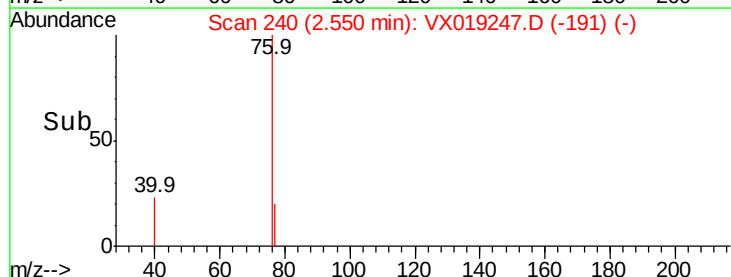
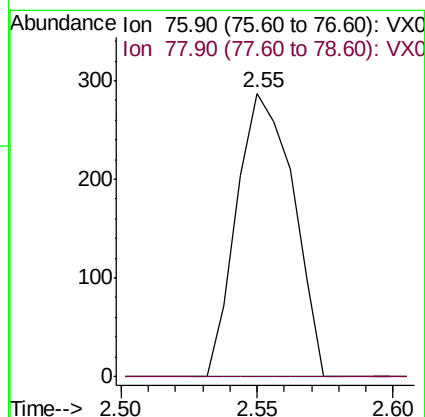
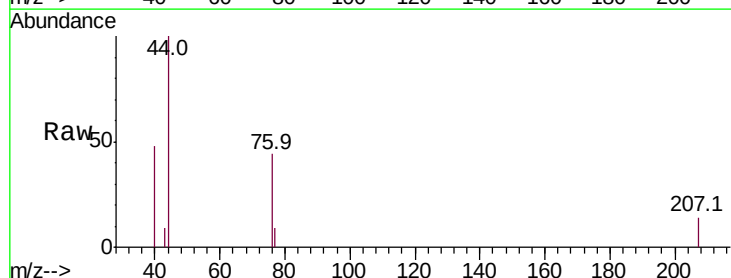
Acq: 03 Nov 2020 20:47

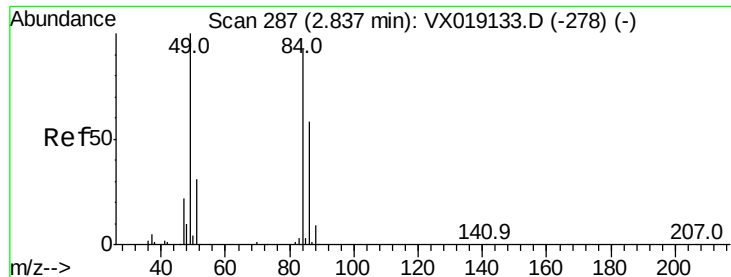
Tgt Ion: 76 Resp: 413

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#20

Methvlene Chloride

Concen: 2.959 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

Instrument :

MSVOA_X

ClientSampled :

CRT-19

Tot Ion: 84 Resp: 10661

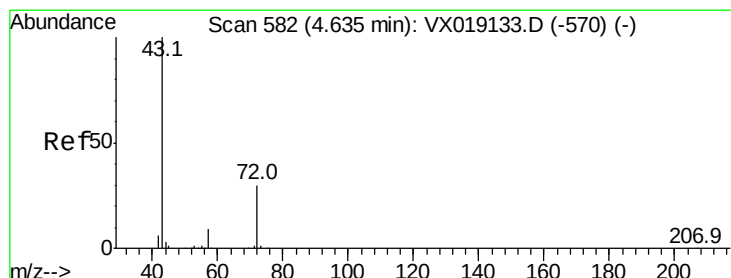
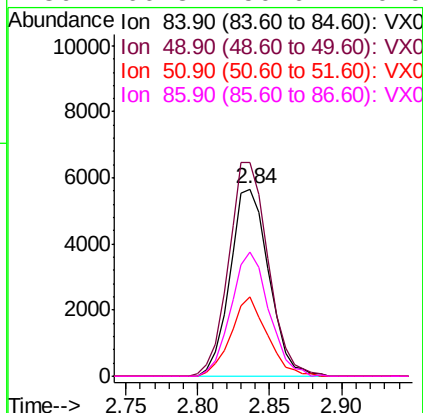
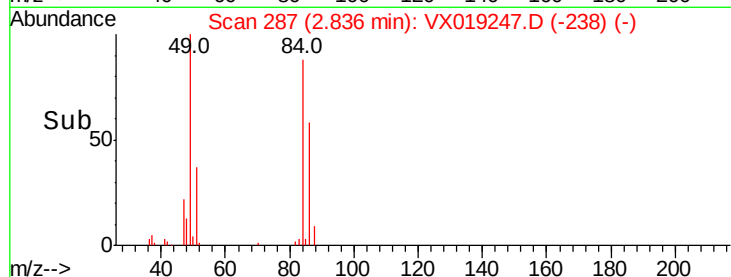
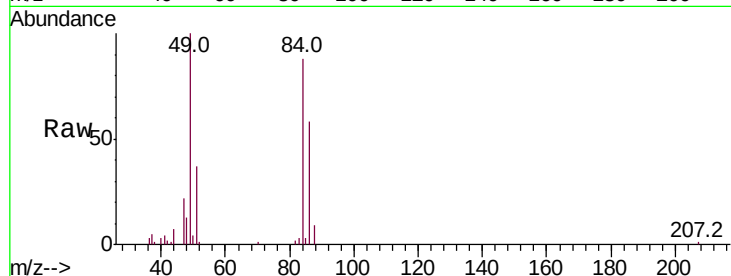
Ion Ratio Lower Upper

84 100

49 114.0 86.8 130.2

51 42.6 27.3 40.9#

86 66.3 50.6 76.0



#25

2-Butanone

Concen: 0.656 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019247.D

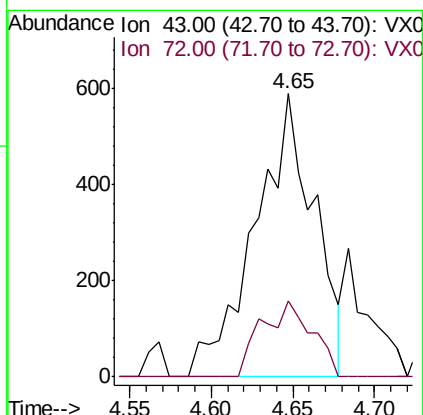
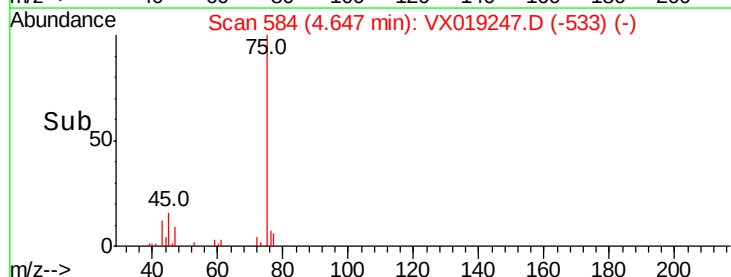
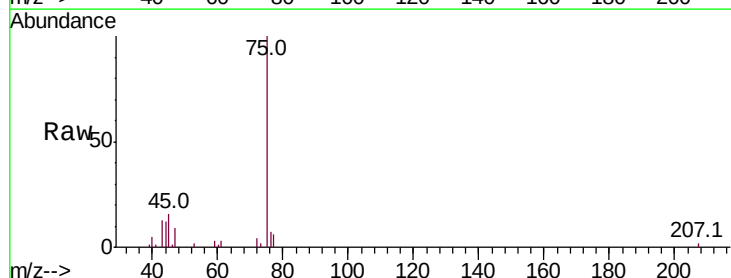
Acq: 03 Nov 2020 20:47

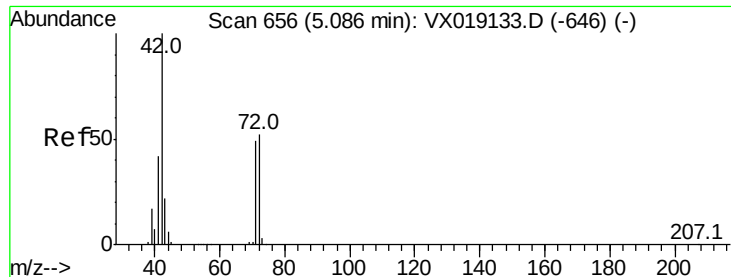
Tgt Ion: 43 Resp: 1483

Ion Ratio Lower Upper

43 100

72 26.7 24.6 36.8





#29

Tetrahydrofuran

Concen: 0.909 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

Instrument :

MSVOA_X

ClientSampled :

CRT-19

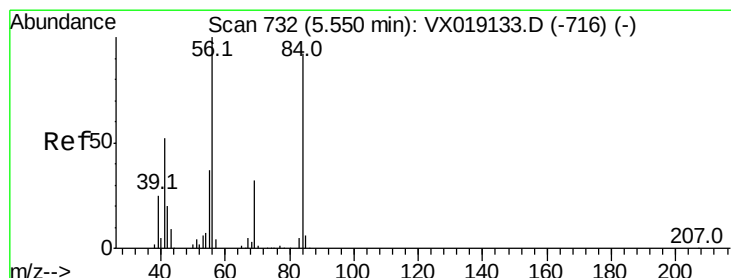
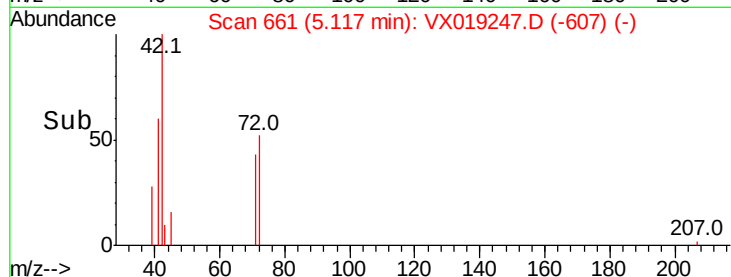
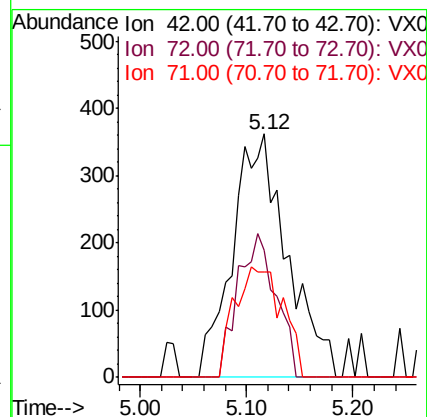
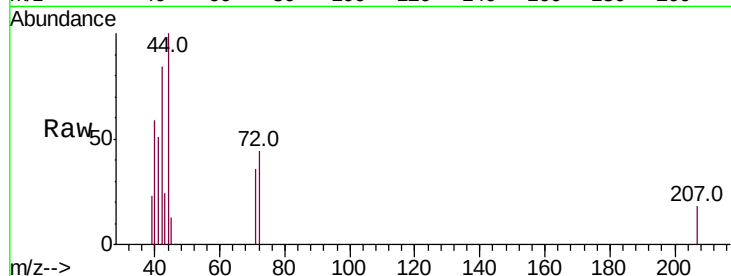
Tot Ion: 42 Resp: 1296

Ion Ratio Lower Upper

42 100

72 41.4 42.6 63.8#

71 40.0 39.7 59.5



#31

Cyclohexane

Concen: 1.332 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

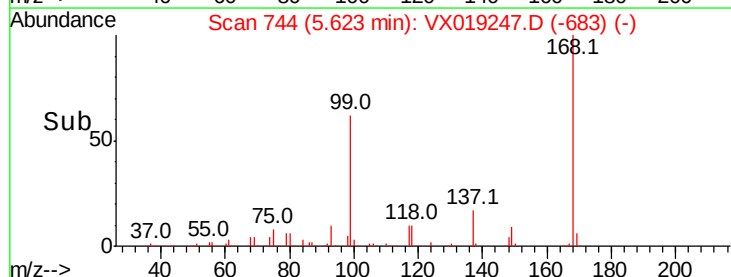
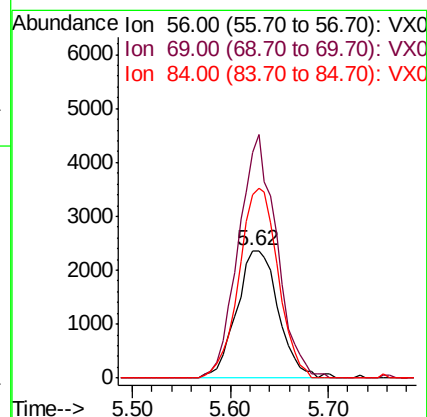
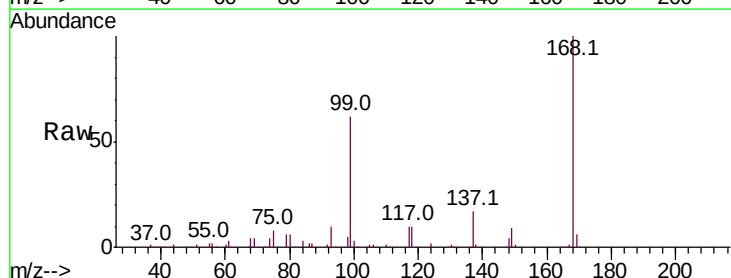
Tgt Ion: 56 Resp: 7004

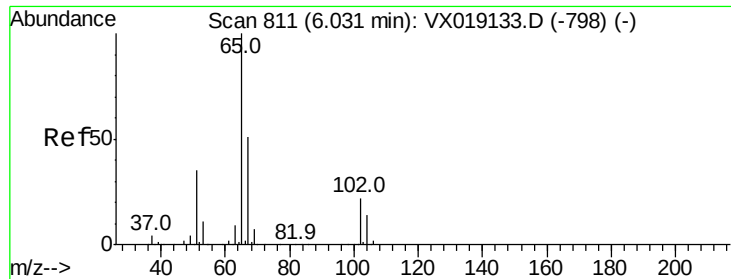
Ion Ratio Lower Upper

56 100

69 177.2 25.9 38.9#

84 144.1 73.4 110.2#

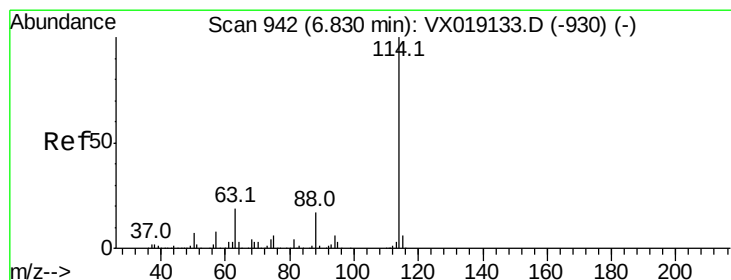
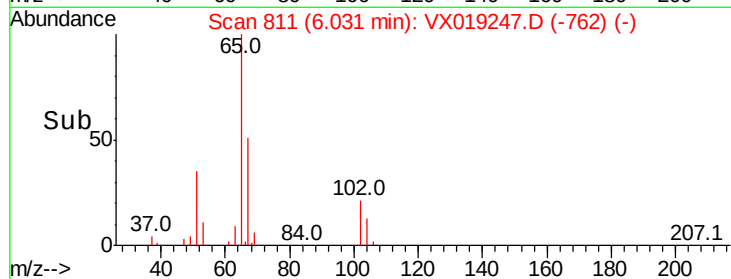
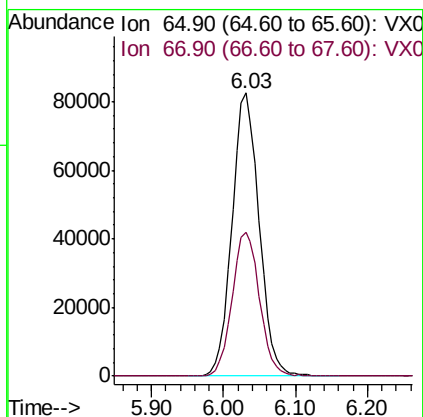
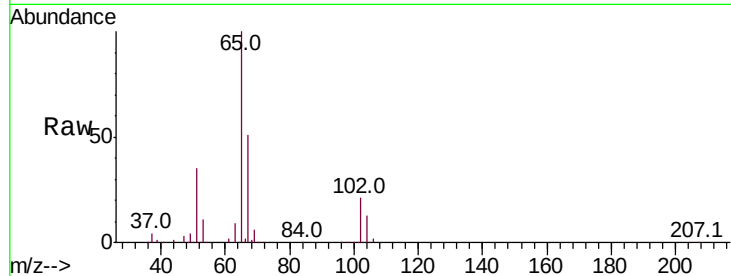




#33
 1,2-Dichloroethane-d4
 Concen: 51.868 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019247.D
 Acq: 03 Nov 2020 20:47

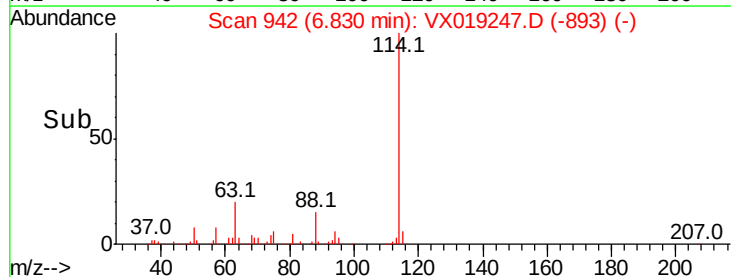
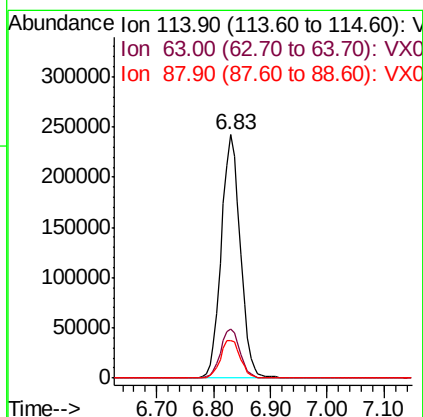
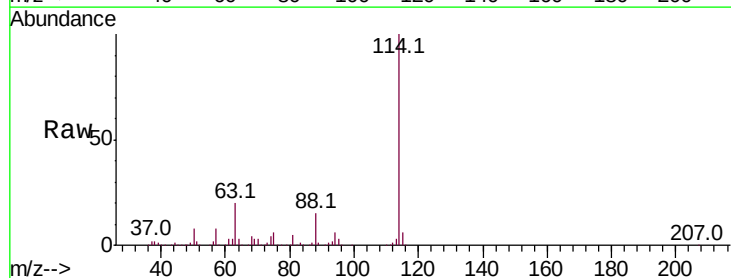
Instrument :
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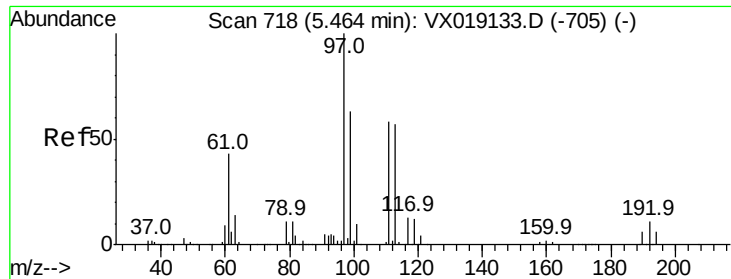
Tot Ion: 65 Resp: 215789
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019247.D
 Acq: 03 Nov 2020 20:47

Tgt Ion: 114 Resp: 563171
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.8
 88 15.5 0.0 34.2

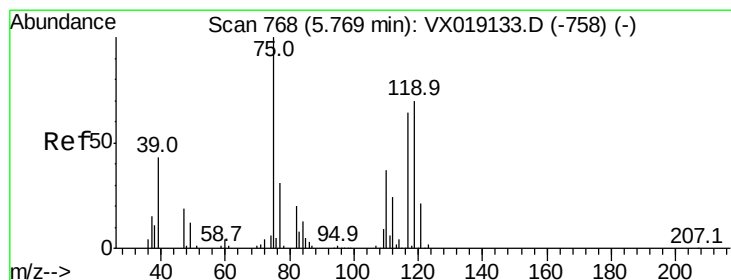
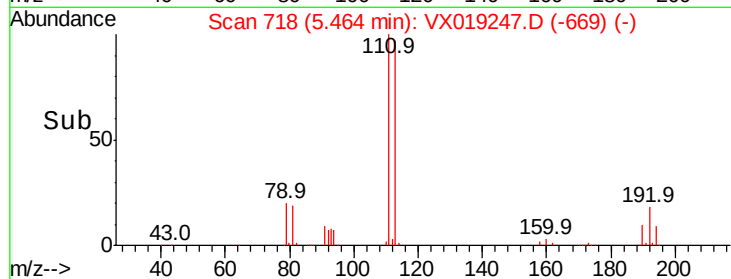
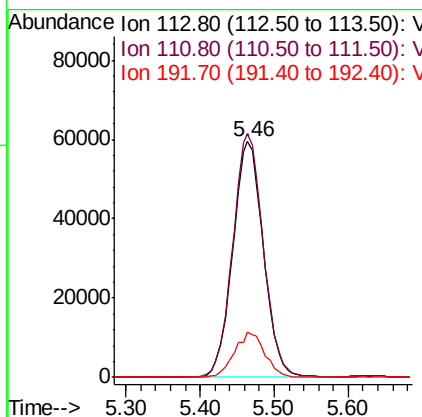
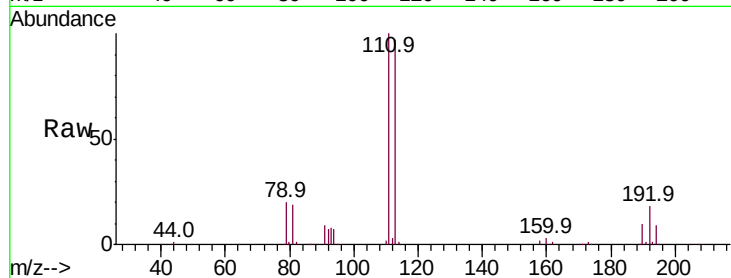




#35
 Dibromofluoromethane
 Concen: 48.392 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019247.D
 Acq: 03 Nov 2020 20:47

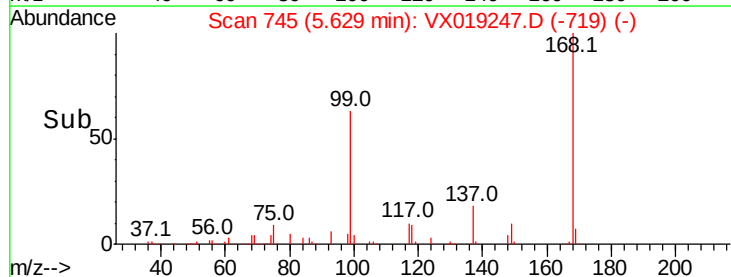
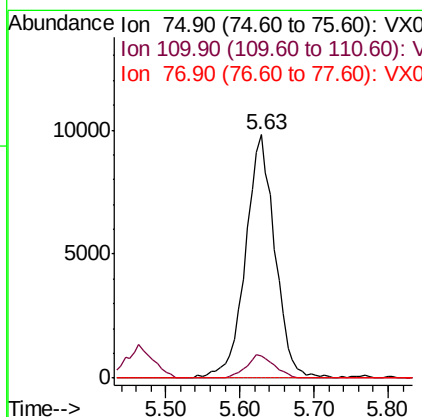
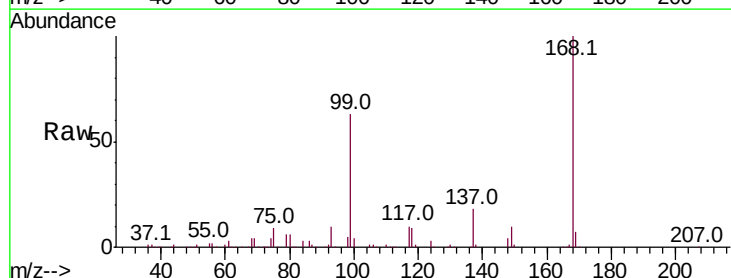
Instrument :
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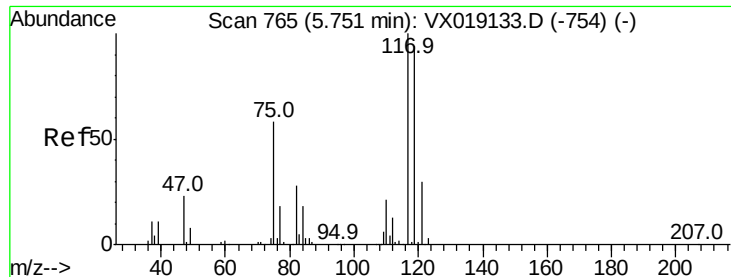
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.3	123.5
192	19.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.222 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019247.D
 Acq: 03 Nov 2020 20:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.3	54.9#
77	0.0	24.9	37.3#

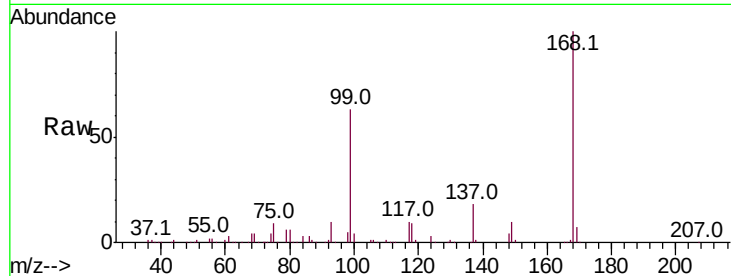




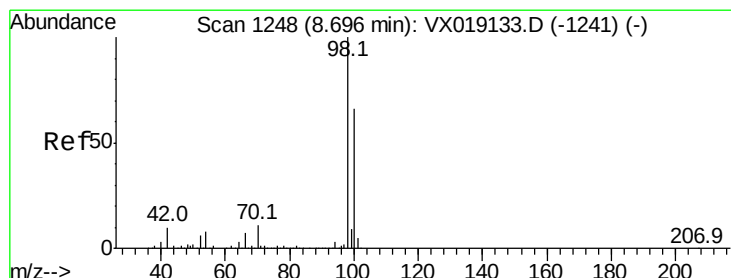
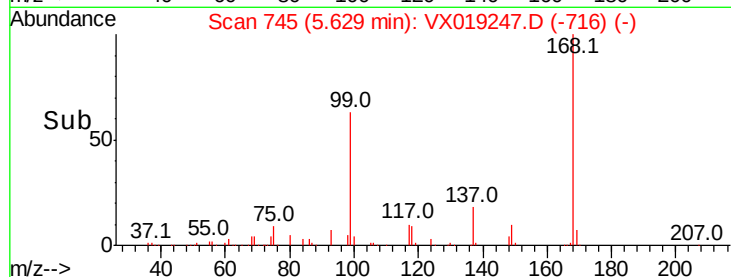
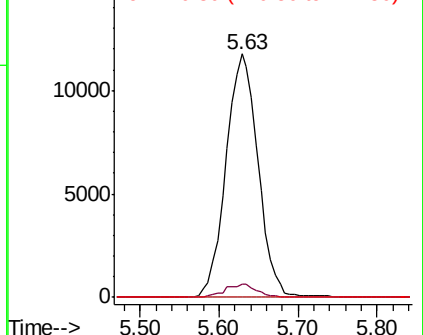
#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

Instrument :
MSVOA_X
ClientSampleId :
CRT-19

Tot Ion:117 Resp: 33283
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 23.9 35.9#

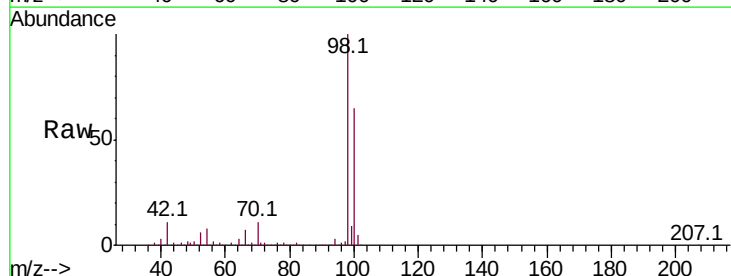


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

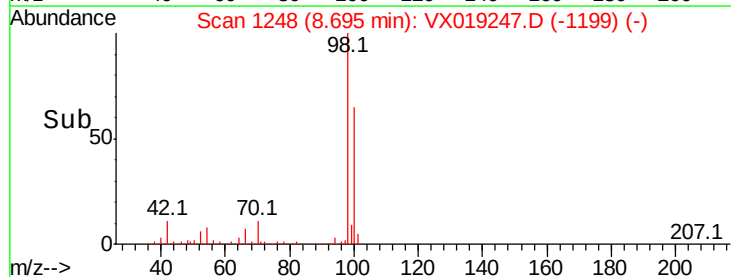
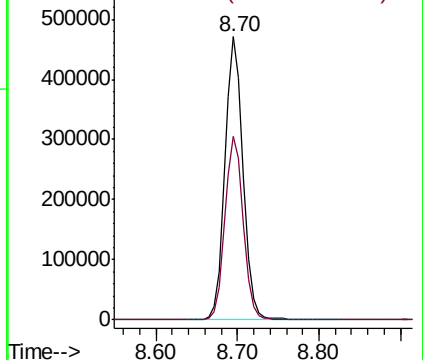


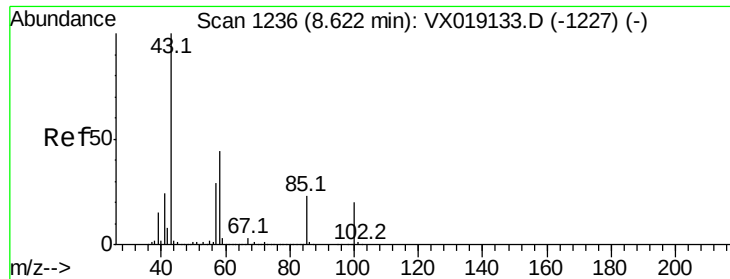
#50
Toluene-d8
Concen: 53.674 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

Tgt Ion: 98 Resp: 715751
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

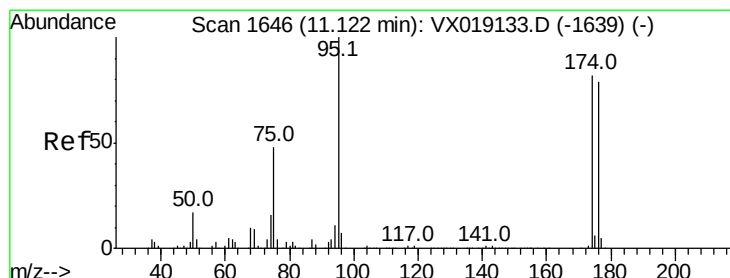
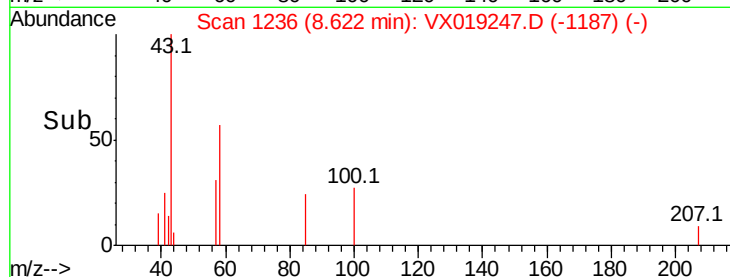
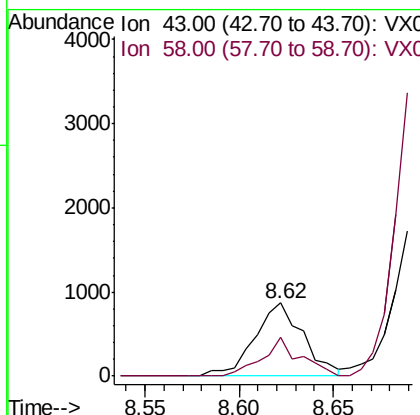
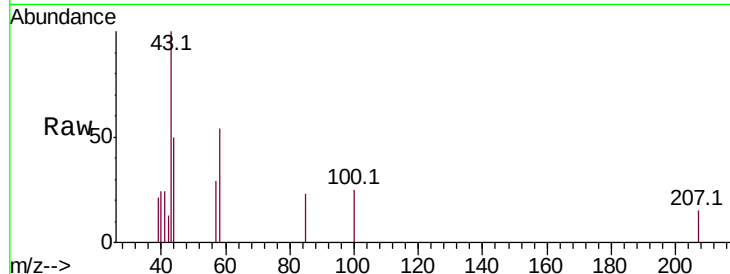




#51
4-Methyl-2-Pentanone
Concen: 0.335 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

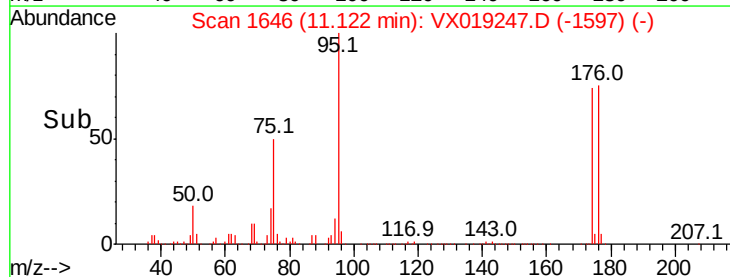
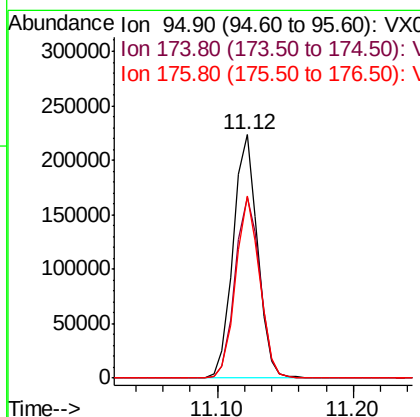
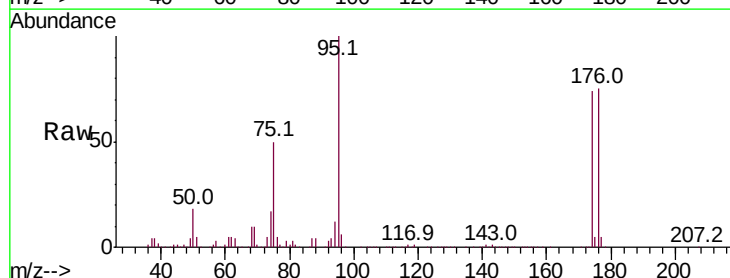
Instrument :
MSVOA_X
ClientSampleId :
CRT-19

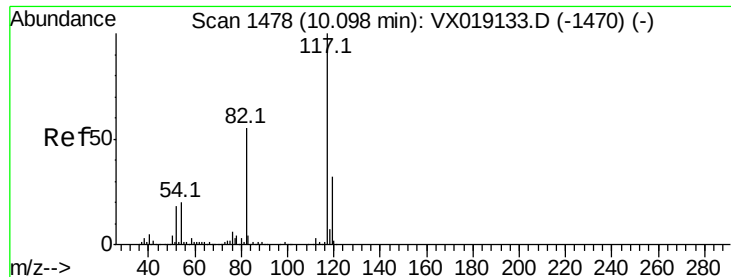
Tot Ion: 43 Resp: 1558
Ion Ratio Lower Upper
43 100
58 41.7 35.0 52.4



#62
4-Bromofluorobenzene
Concen: 55.064 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

Tgt Ion: 95 Resp: 278079
Ion Ratio Lower Upper
95 100
174 76.4 0.0 156.0
176 73.4 0.0 149.8

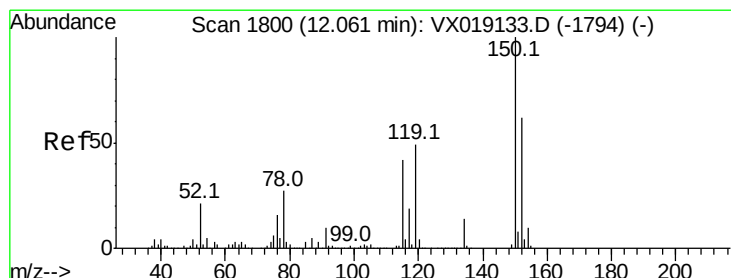
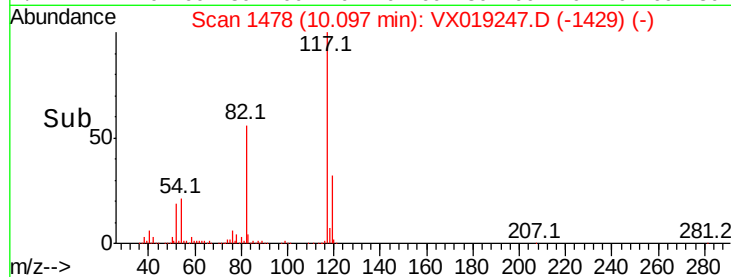
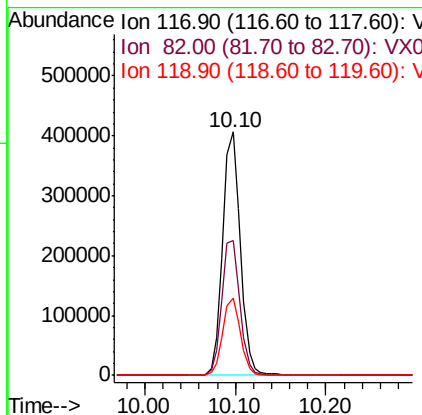
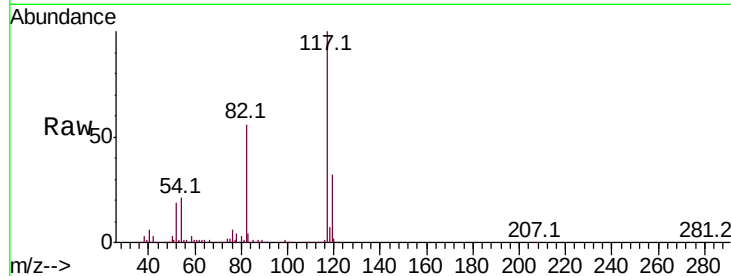




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

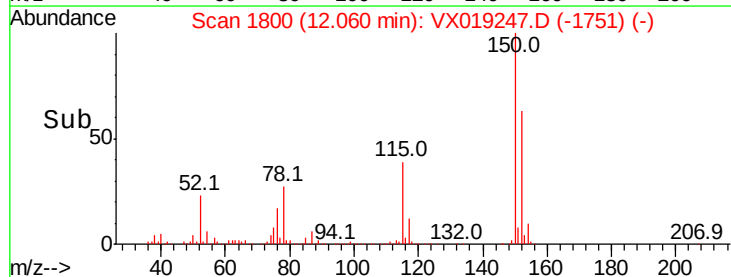
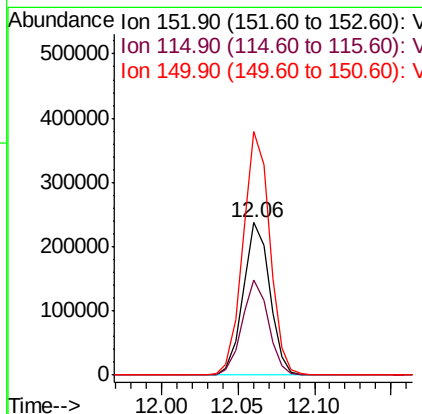
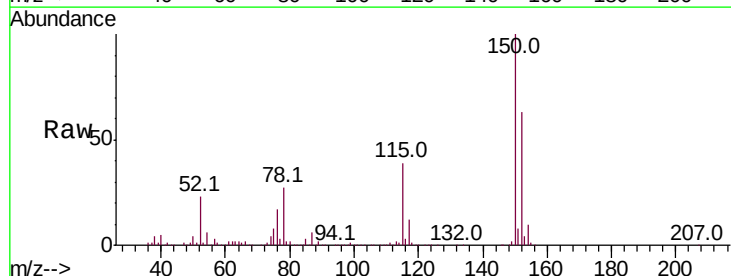
Instrument :
MSVOA_X
ClientSampled :
CRT-19

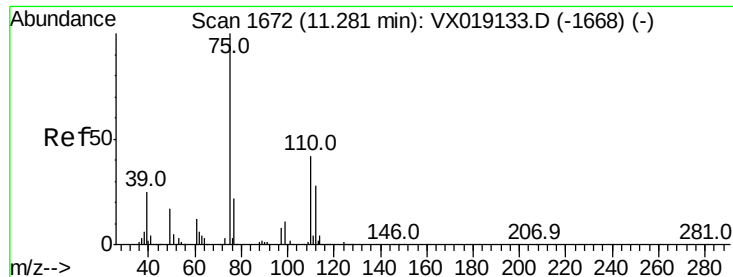
Tot Ion:117 Resp: 553787
Ion Ratio Lower Upper
117 100
82 55.5 43.6 65.4
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019247.D
Acq: 03 Nov 2020 20:47

Tgt Ion:152 Resp: 287234
Ion Ratio Lower Upper
152 100
115 61.3 41.9 125.7
150 160.5 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 23.997 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

Instrument :

MSVOA_X

ClientSampled :

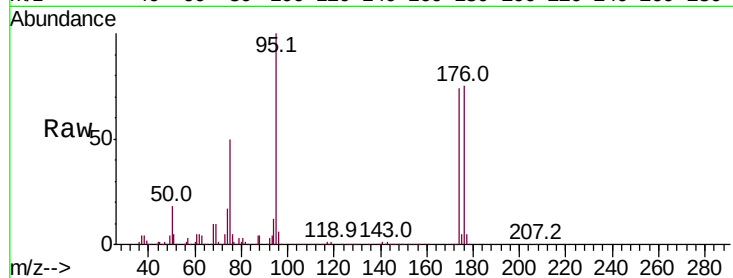
CRT-19

Tot Ion: 75 Resp: 142323

Ion Ratio Lower Upper

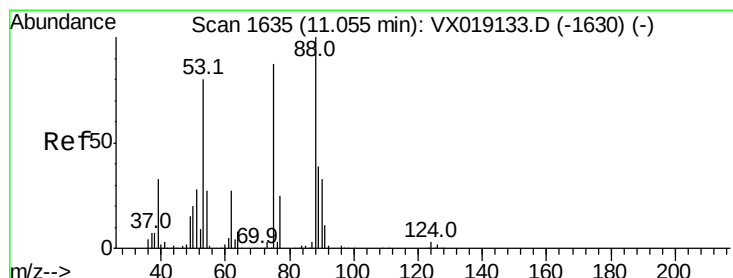
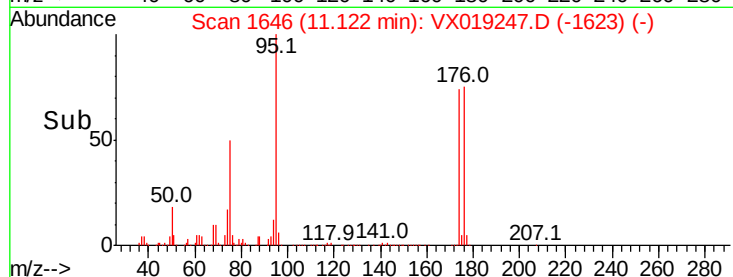
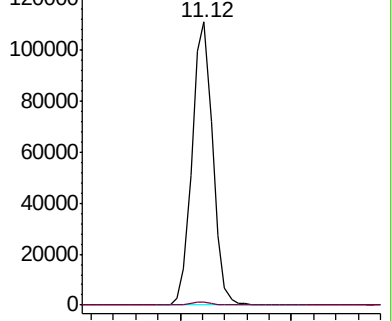
75 100

77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.185 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019247.D

Acq: 03 Nov 2020 20:47

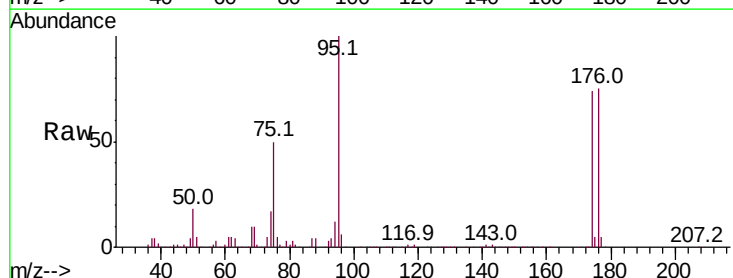
Tgt Ion: 75 Resp: 142323

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

