

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019257.D
 Acq On : 04 Nov 2020 00:30
 Operator : JC/MD
 Sample : L4600-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-23

Quant Time: Nov 04 02:27:02 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	337829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	587948	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	584823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	303601	50.00	ug/l	0.00

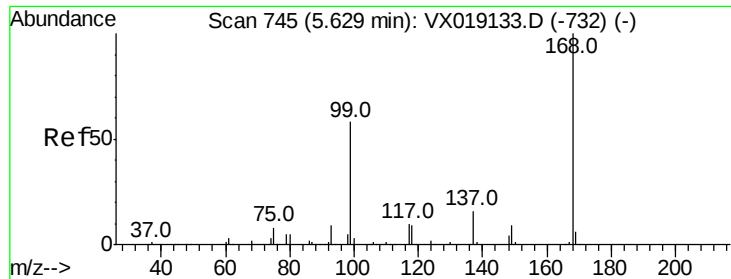
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	229782	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	5.46	113	186089	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	8.70	98	748715	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	11.12	95	293582	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.00	59	3499	4.066	ug/l #	77
13) Acrolein	2.25	56	74	5.836	ug/l #	52
16) Acetone	2.42	43	13532	9.003	ug/l	96
17) Carbon Disulfide	2.55	76	277	0.789	ug/l #	75
18) Methyl Acetate	2.75	43	2930	0.802	ug/l	97
20) Methylene Chloride	2.84	84	12672	3.358	ug/l	92
25) 2-Butanone	4.64	43	2762	1.166	ug/l	90
29) Tetrahydrofuran	5.10	42	1653	1.107	ug/l #	53
31) Cyclohexane	5.62	56	7379	1.340	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	27078	4.987	ug/l #	49
38) Carbon Tetrachloride	5.63	117	34222	6.184	ug/l #	17
43) Isopropyl Acetate	6.41	43	69518	8.236	ug/l	98
48) Methyl methacrylate	7.65	41	3684	0.907	ug/l #	9
49) 1,4-Dioxane	7.85	88	162	1.793	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	68549	14.130	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	33304	5.046	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	5476	0.829	ug/l #	42
59) 2-Hexanone	9.52	43	67792	18.358	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	149097	23.784	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	149097	62.624	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampleId :

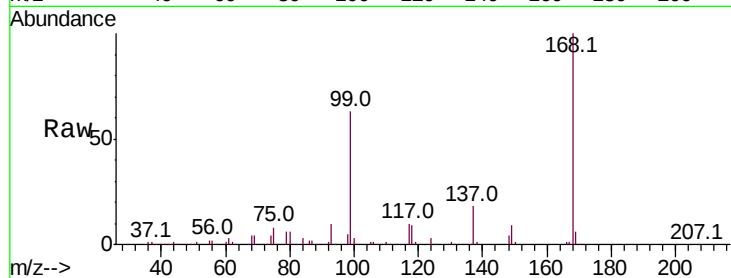
CRT-23

Tot Ion:168 Resp: 337829

Ion Ratio Lower Upper

168 100

99 62.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

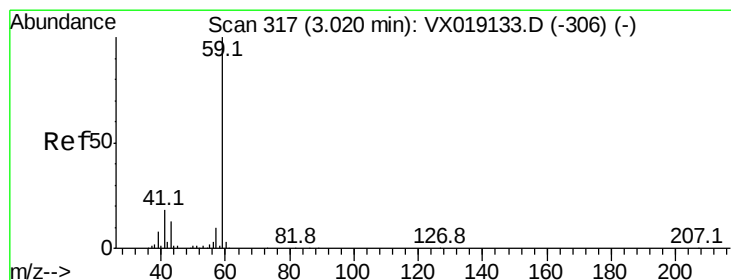
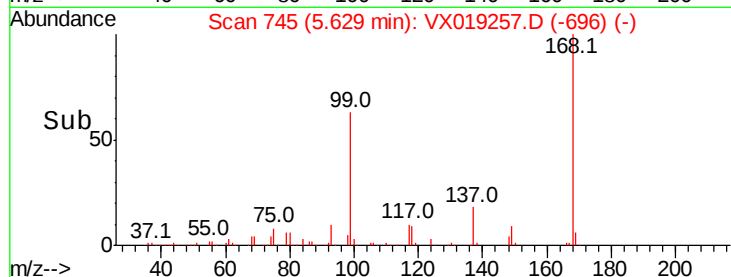
5.63

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.066 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019257.D

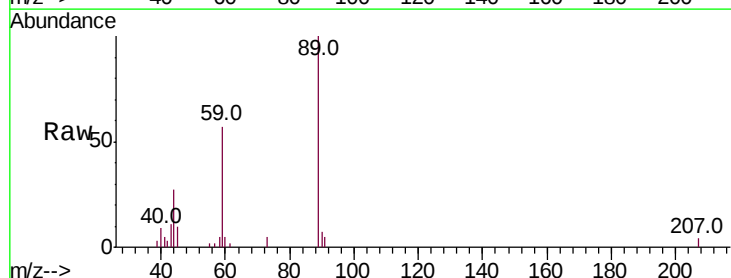
Acq: 04 Nov 2020 00:30

Tgt Ion: 59 Resp: 3499

Ion Ratio Lower Upper

59 100

57 1.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

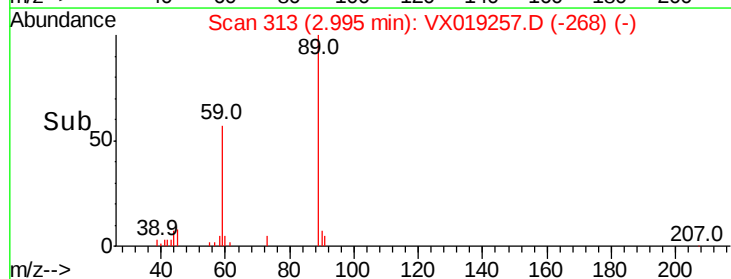
1500

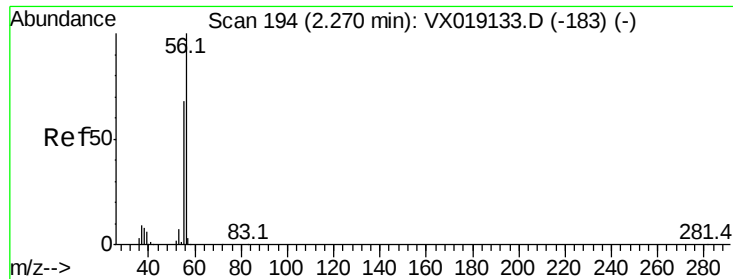
1000

500

0

Time-->





#13

Acrolein

Concen: 5.836 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampled :

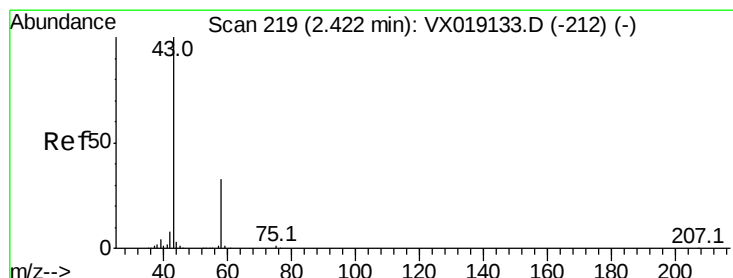
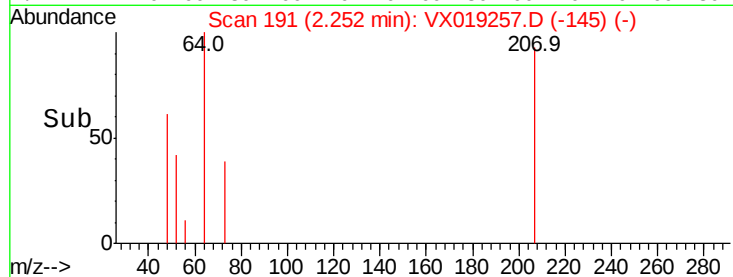
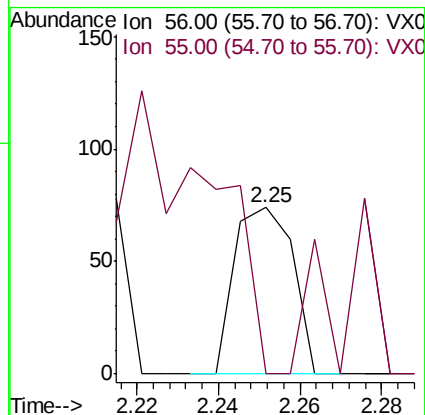
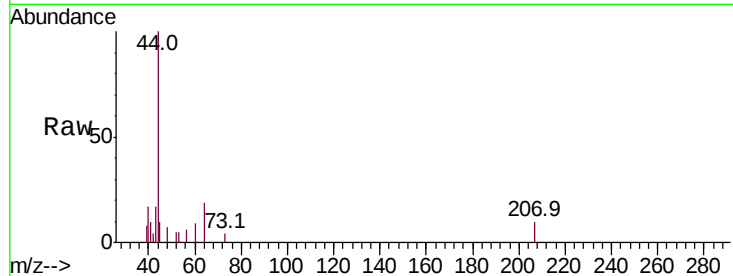
CRT-23

Tot Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 29.7 54.7 82.1#



#16

Acetone

Concen: 9.003 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019257.D

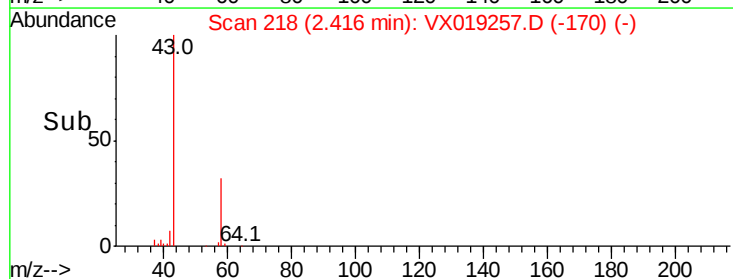
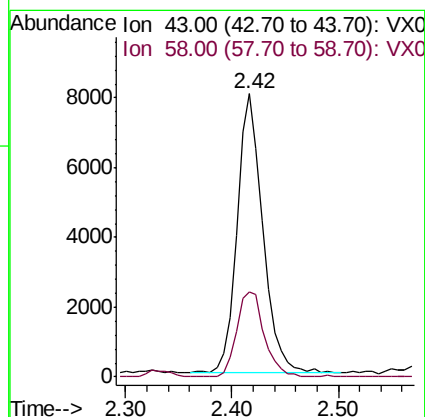
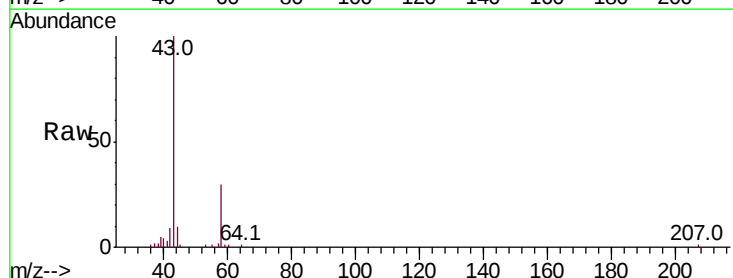
Acq: 04 Nov 2020 00:30

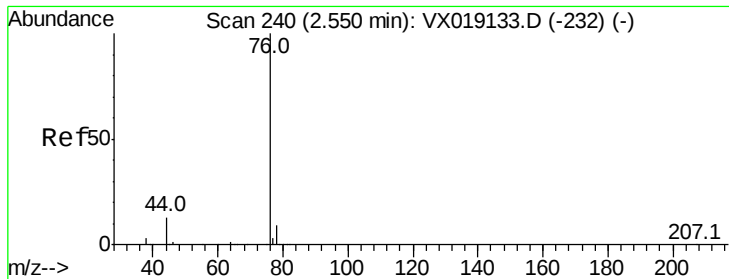
Tgt Ion: 43 Resp: 13532

Ion Ratio Lower Upper

43 100

58 30.5 26.3 39.5

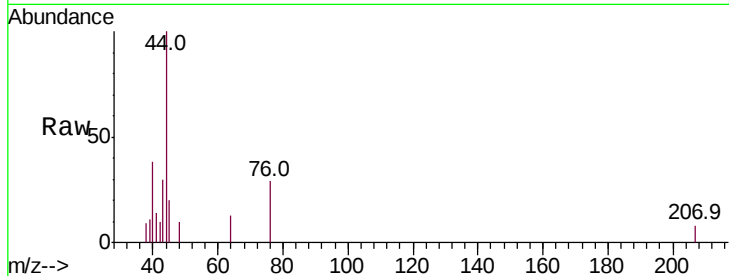




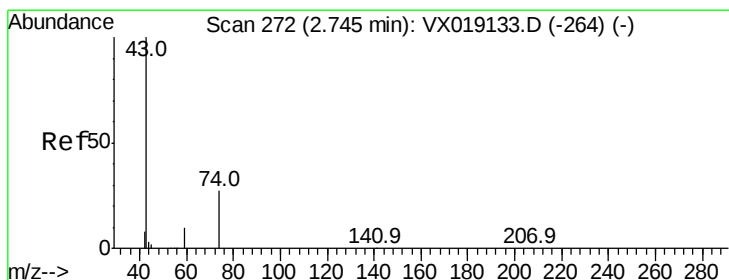
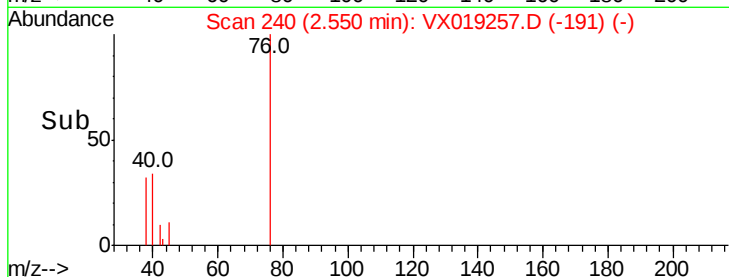
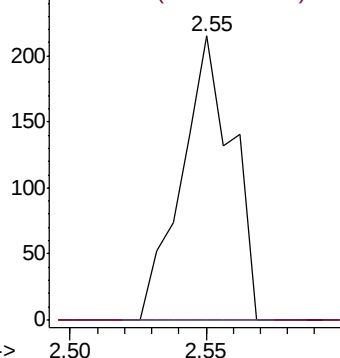
#17
Carbon Disulfide
Concen: 0.789 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Instrument :
MSVOA_X
ClientSampleId :
CRT-23

Tot Ion: 76 Resp: 277
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

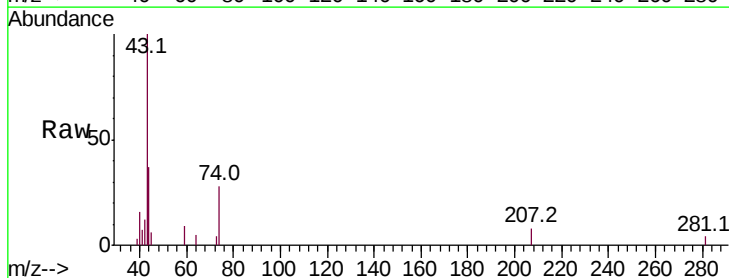


Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

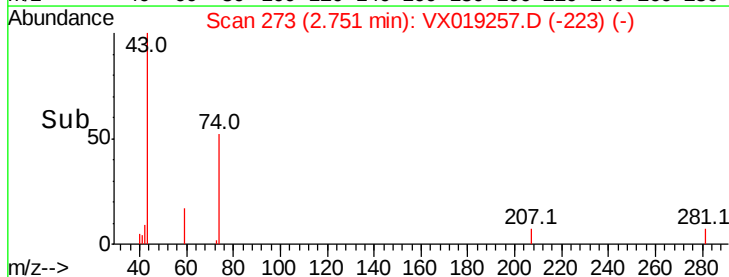
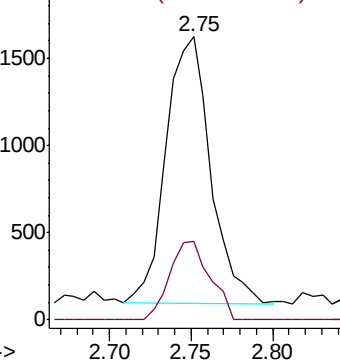


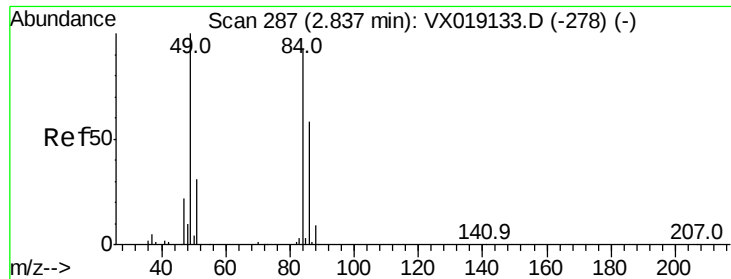
#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
74 26.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

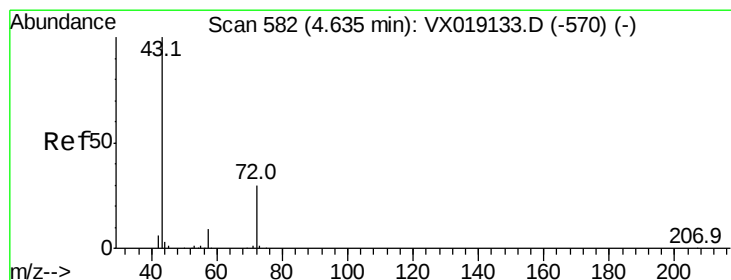
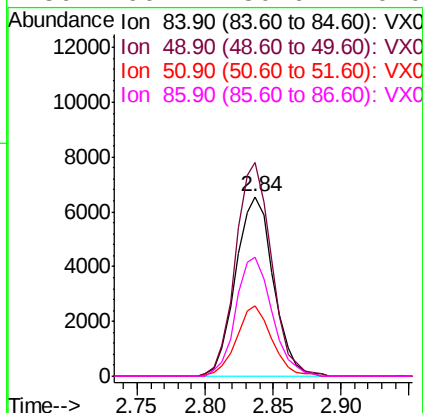
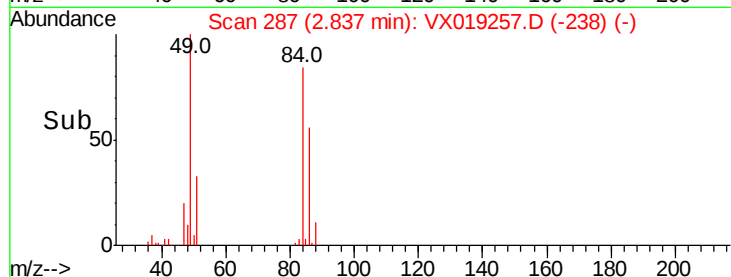
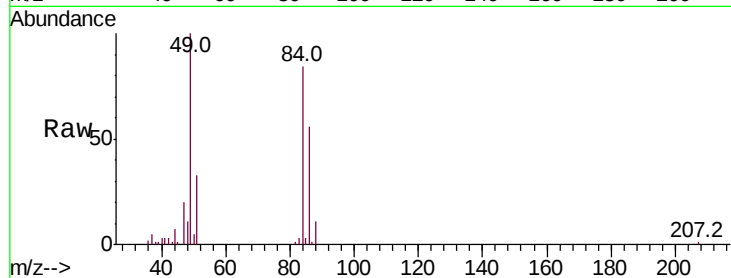




#20
Methvlene Chloride
Concen: 3.358 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

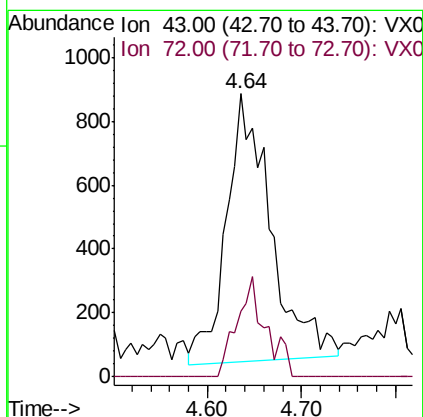
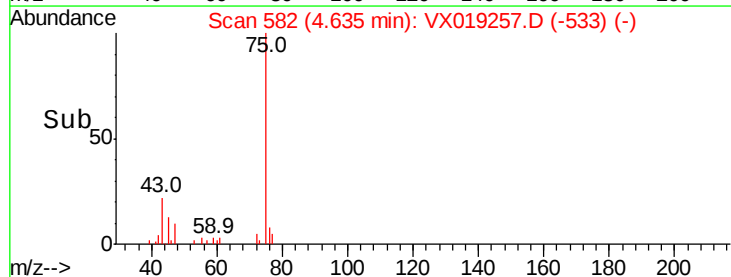
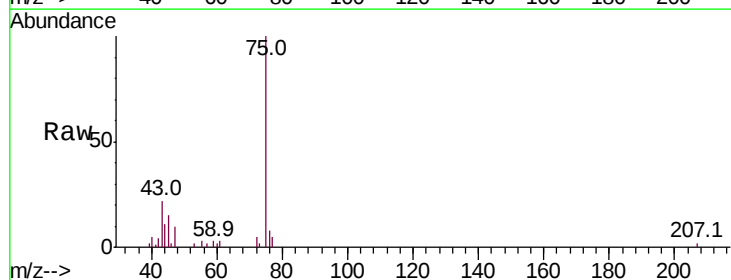
Instrument :
MSVOA_X
ClientSampleId :
CRT-23

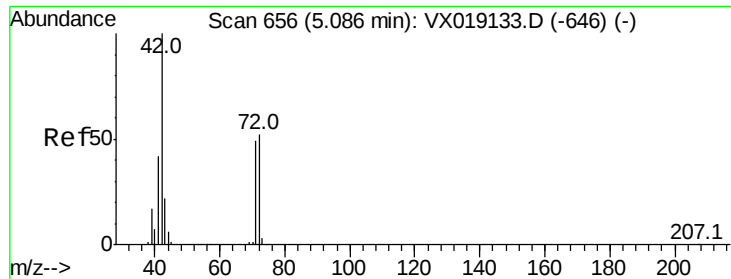
Tot Ion:	84	Resp:	12672
Ion	Ratio	Lower	Upper
84	100		
49	119.0	86.8	130.2
51	38.9	27.3	40.9
86	66.7	50.6	76.0



#25
2-Butanone
Concen: 1.166 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion:	43	Resp:	2762
Ion	Ratio	Lower	Upper
43	100		
72	25.5	24.6	36.8

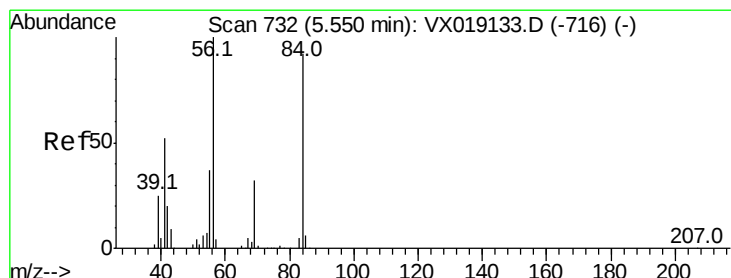
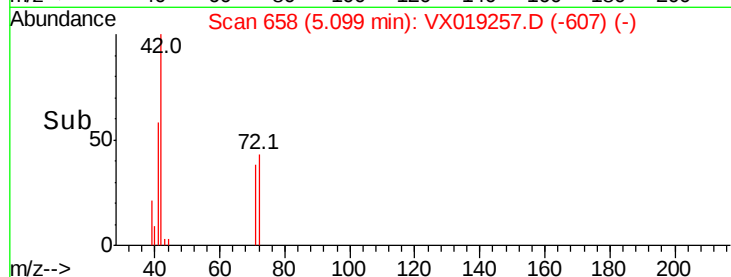
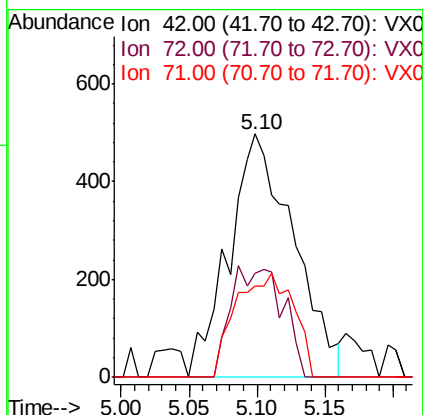
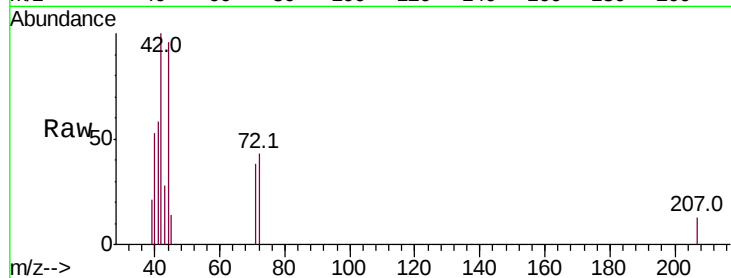




#29
Tetrahydrofuran
Concen: 1.107 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

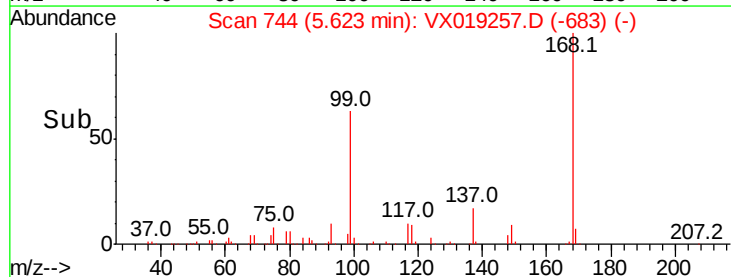
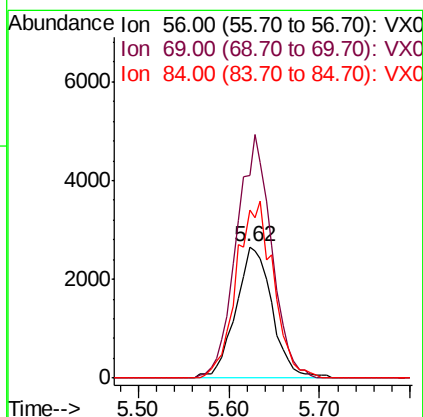
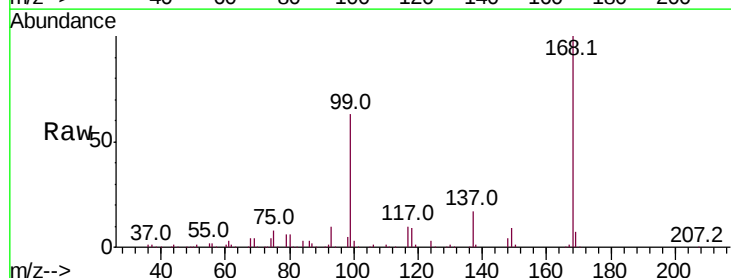
Instrument :
MSVOA_X
ClientSampleId :
CRT-23

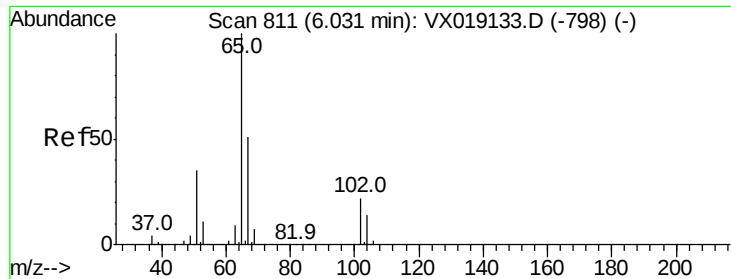
Tot Ion: 42 Resp: 1653
Ion Ratio Lower Upper
42 100
72 0.0 42.6 63.8#
71 37.8 39.7 59.5#



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion: 56 Resp: 7379
Ion Ratio Lower Upper
56 100
69 154.2 25.9 38.9#
84 128.5 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 52.742 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampleId :

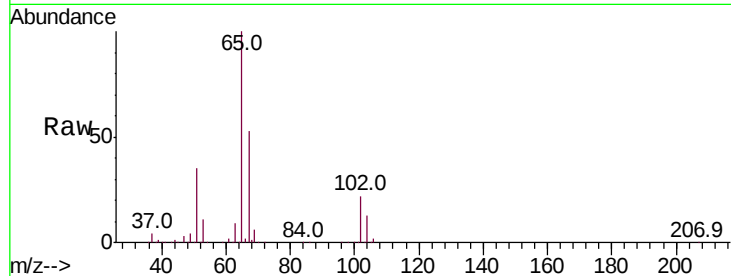
CRT-23

Tot Ion: 65 Resp: 229782

Ion Ratio Lower Upper

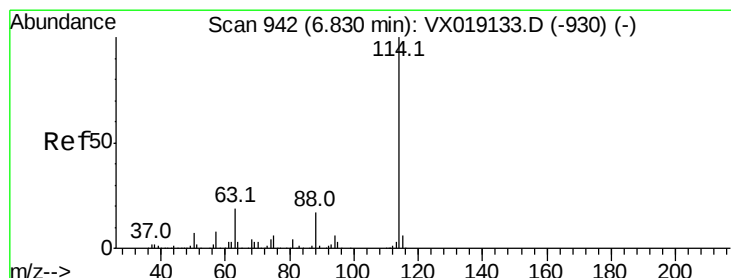
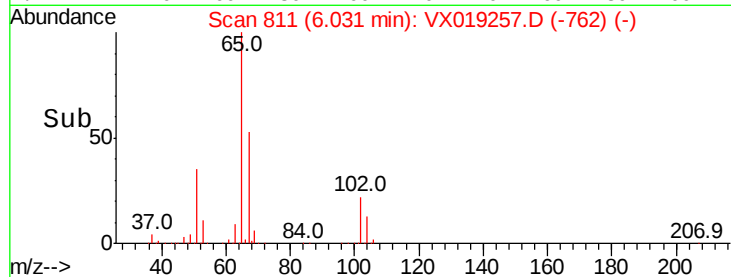
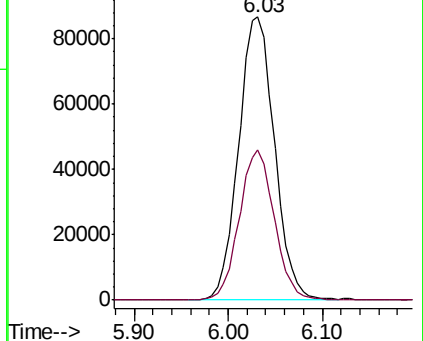
65 100

67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

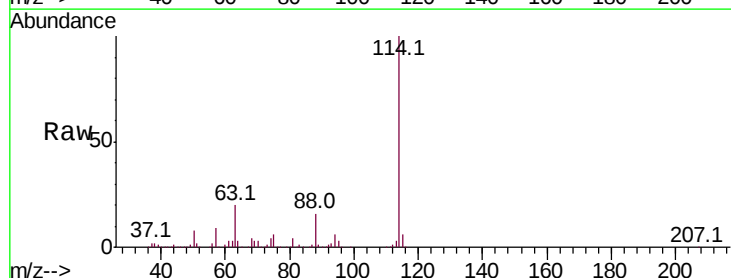
Tgt Ion: 114 Resp: 587948

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

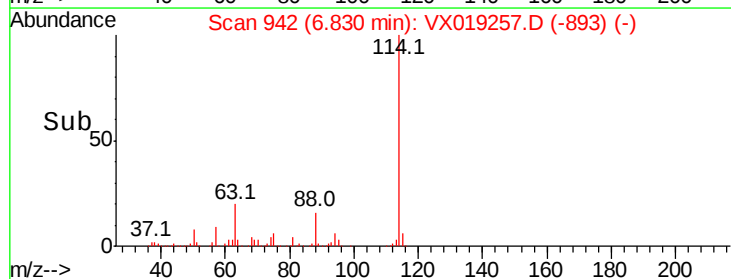
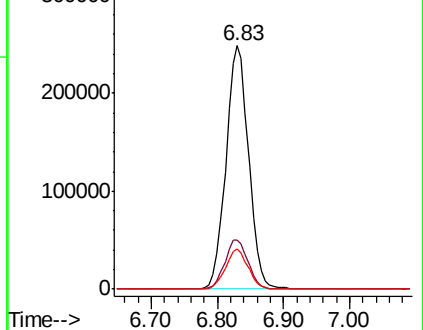
88 16.4 0.0 34.2

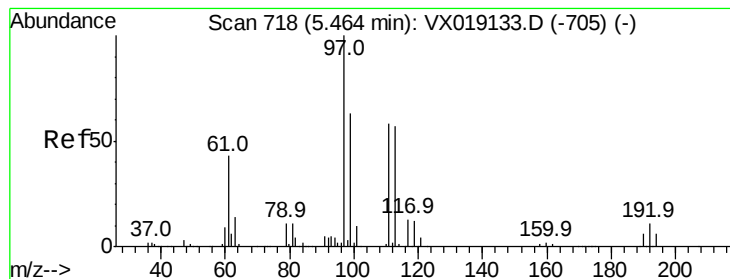


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.388 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampleId :

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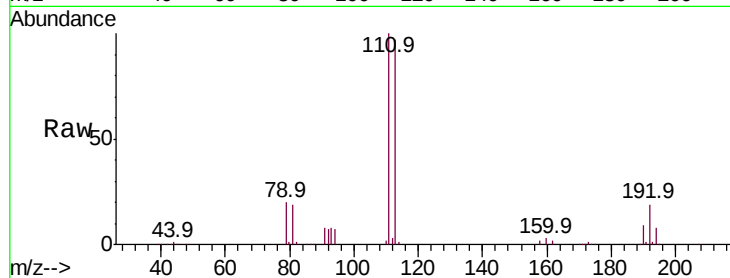
Tot Ion:113 Resp: 186089

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

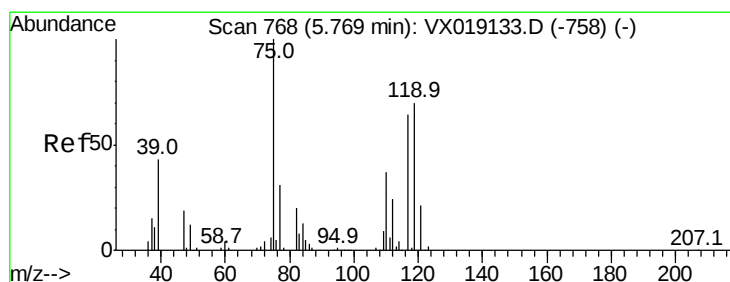
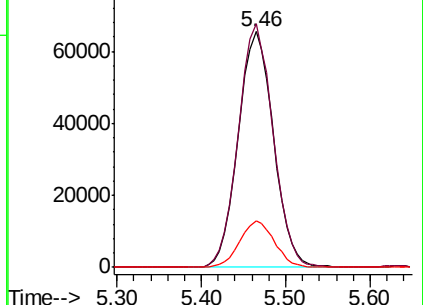
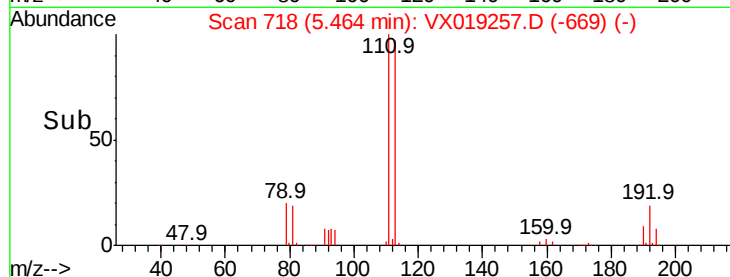
192 19.3 16.2 24.2



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: 4.987 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

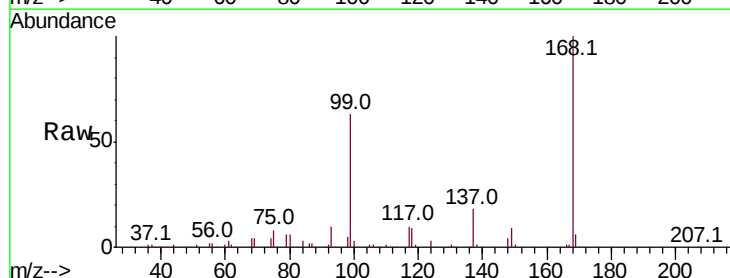
Tgt Ion: 75 Resp: 27078

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

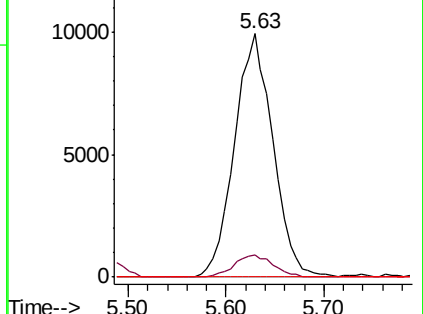
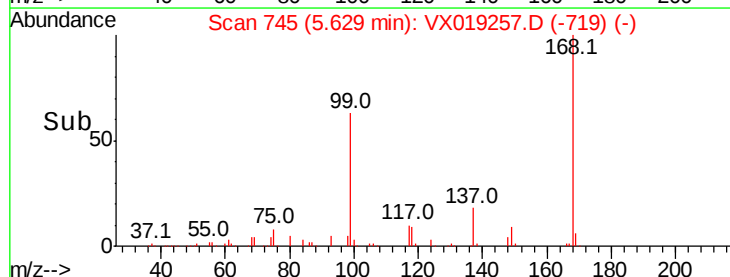
77 0.0 24.9 37.3#

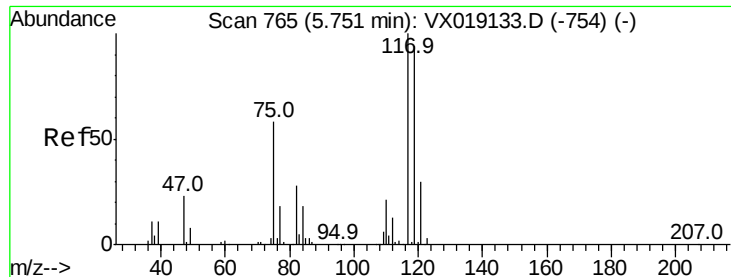


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.184 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampleId :

CRT-23

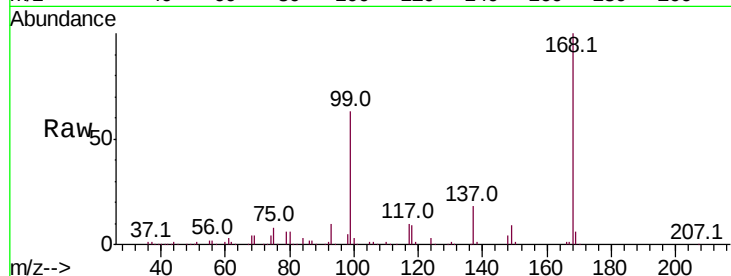
Tot Ion:117 Resp: 34222

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

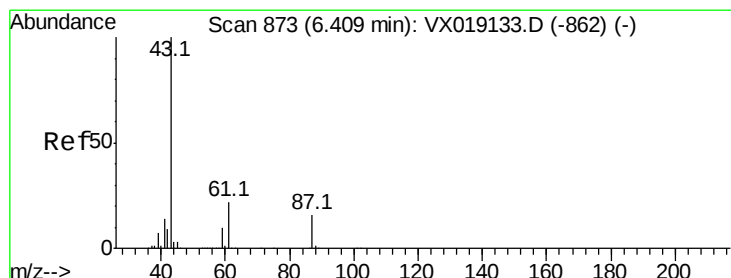
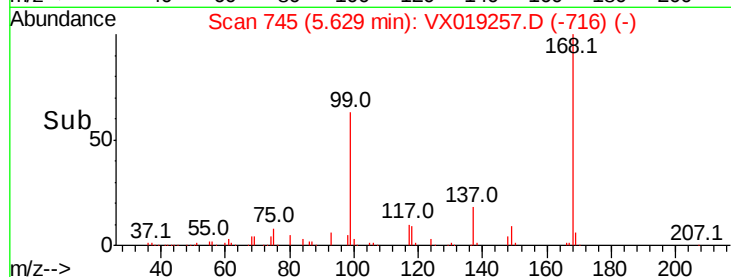
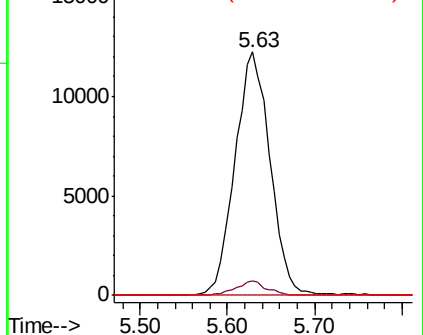
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 8.236 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

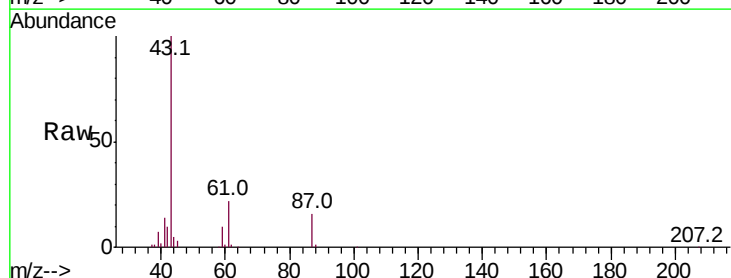
Tgt Ion: 43 Resp: 69518

Ion Ratio Lower Upper

43 100

61 21.3 17.8 26.6

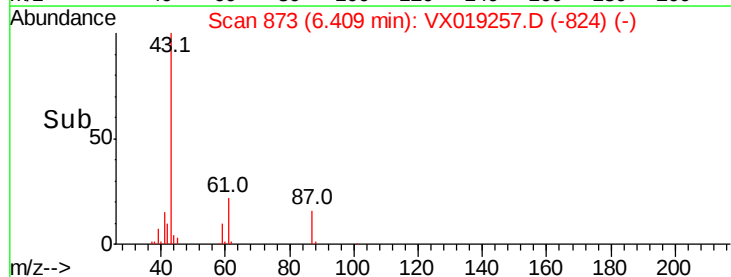
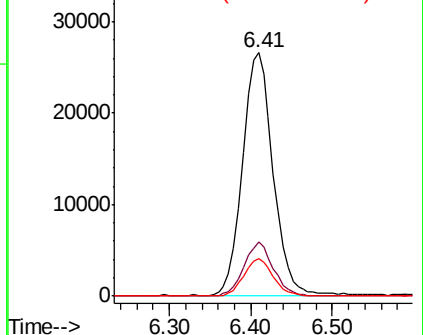
87 14.8 12.6 19.0

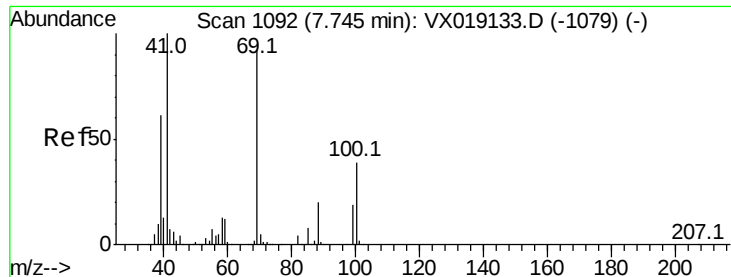


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 0.907 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.10 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampled :

CRT-23

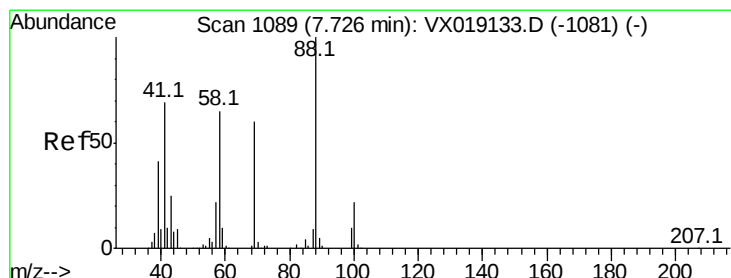
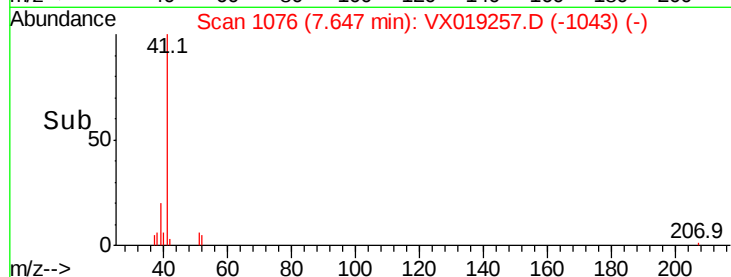
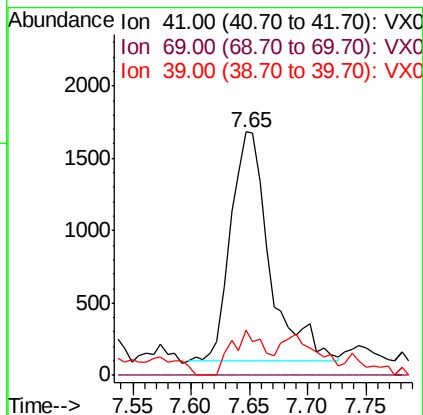
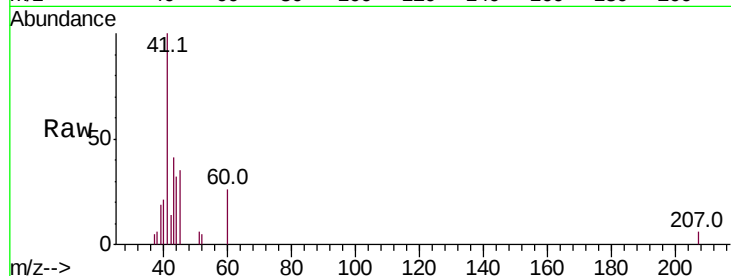
Tot Ion: 41 Resp: 3684

Ion Ratio Lower Upper

41 100

69 0.0 75.5 113.3#

39 0.0 48.9 73.3#



#49

1,4-Dioxane

Concen: 1.793 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.12 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

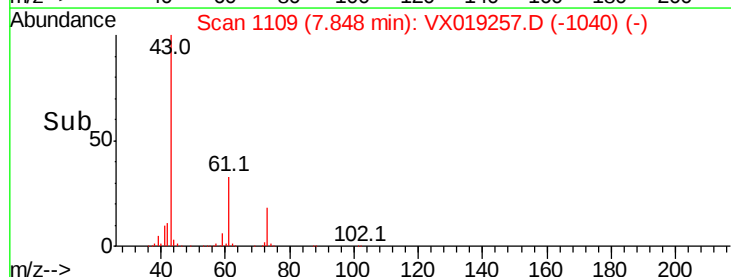
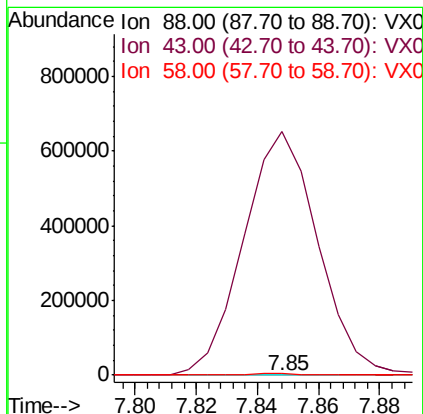
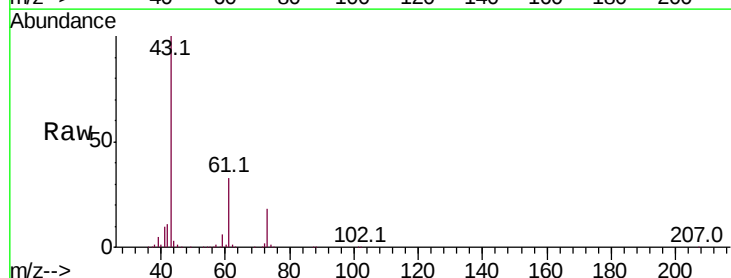
Tgt Ion: 88 Resp: 162

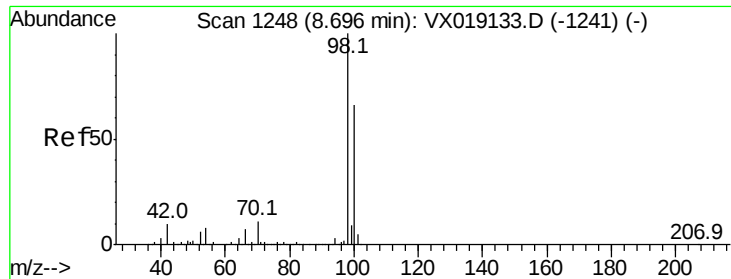
Ion Ratio Lower Upper

88 100

43 685692.6 23.0 34.6#

58 3314.8 52.2 78.2#

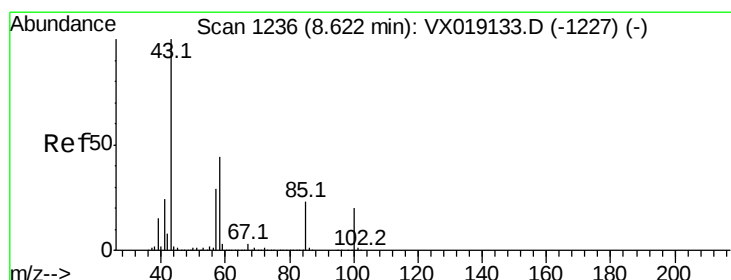
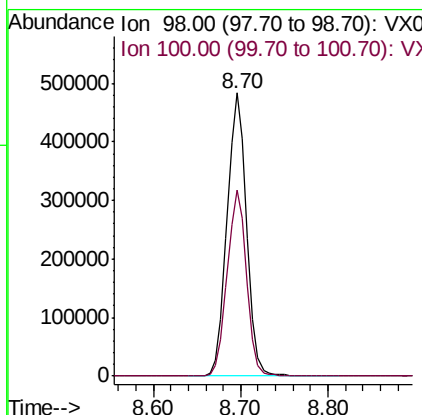
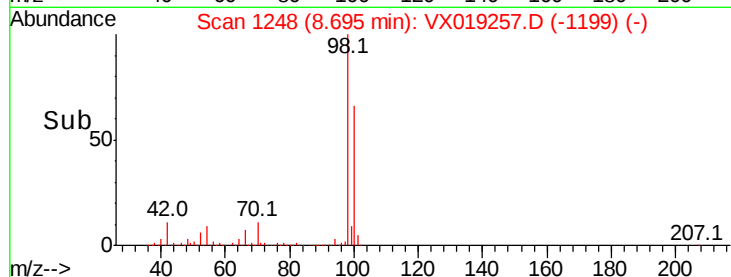
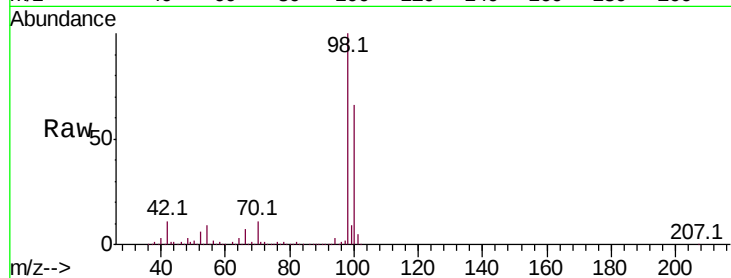




#50
Toluene-d8
Concen: 53.780 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

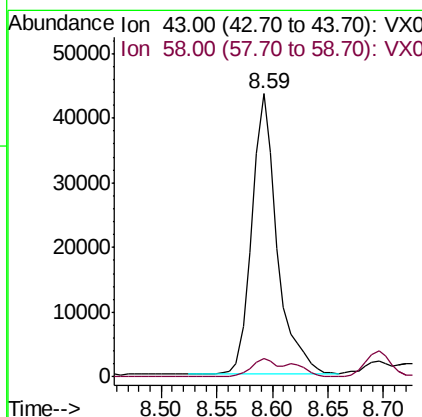
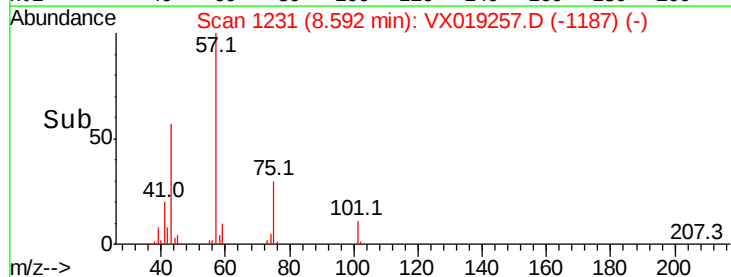
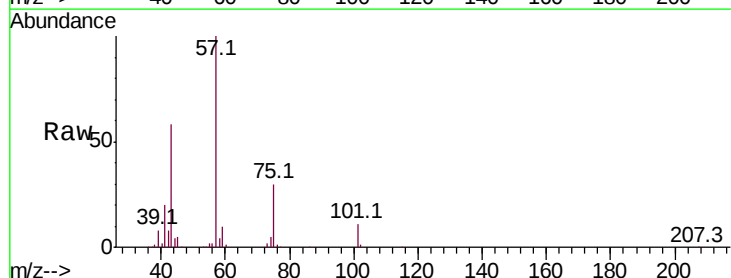
Instrument :
MSVOA_X
ClientSampled :
CRT-23

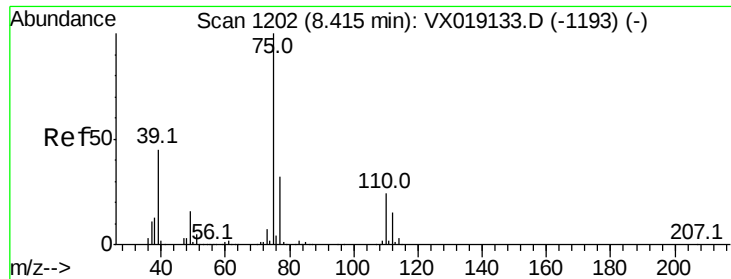
Tot Ion: 98 Resp: 748715
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 14.130 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion: 43 Resp: 68549
Ion Ratio Lower Upper
43 100
58 7.1 35.0 52.4#

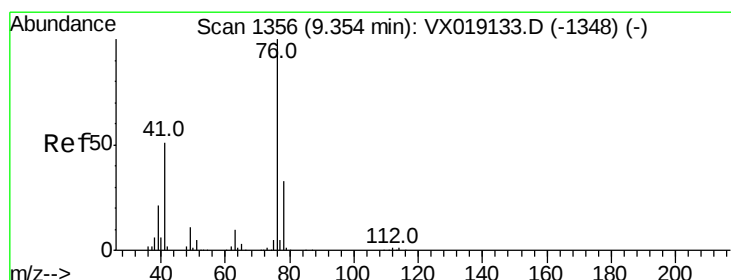
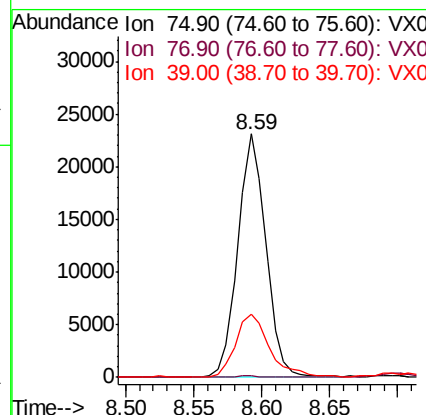
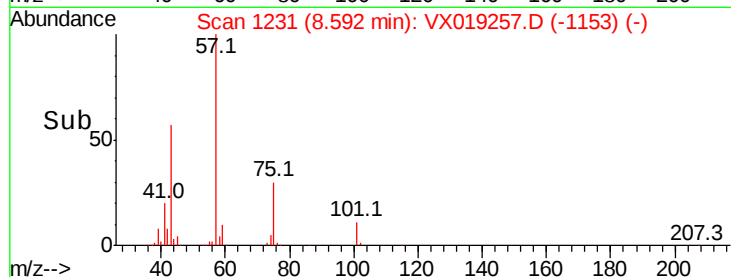
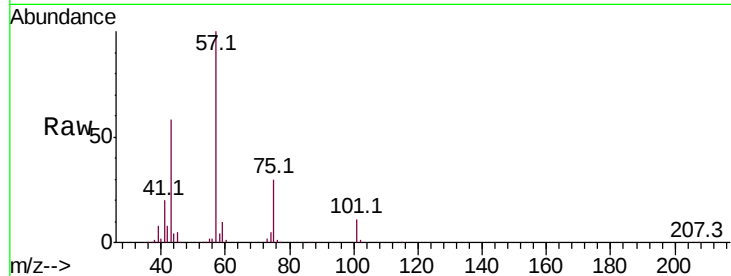




#54
 cis-1,3-Dichloropropene
 Concen: 5.046 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019257.D
 Acq: 04 Nov 2020 00:30

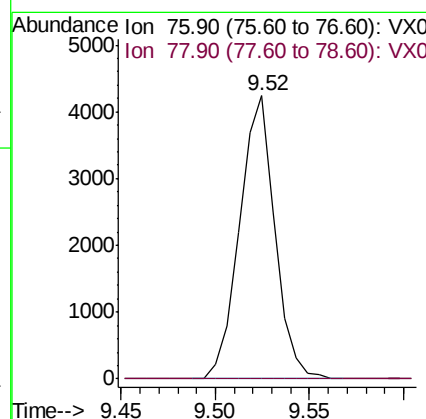
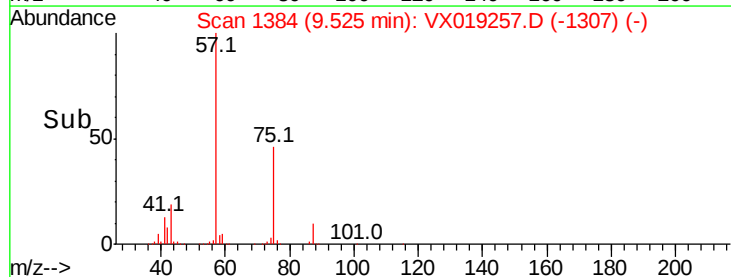
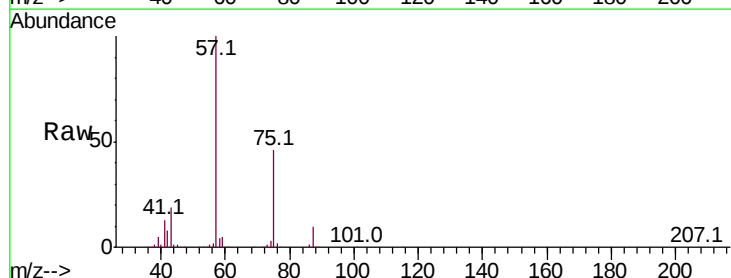
Instrument :
 MSVOA_X
 ClientSampled :
 CRT-23

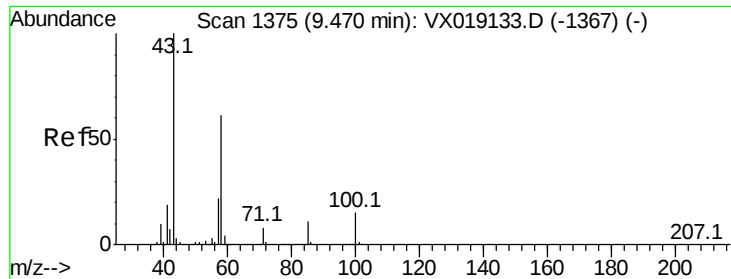
Tot Ion: 75 Resp: 33304
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 25.8 36.2 54.2#



#57
 1,3-Dichloropropane
 Concen: 0.829 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019257.D
 Acq: 04 Nov 2020 00:30

Tgt Ion: 76 Resp: 5476
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

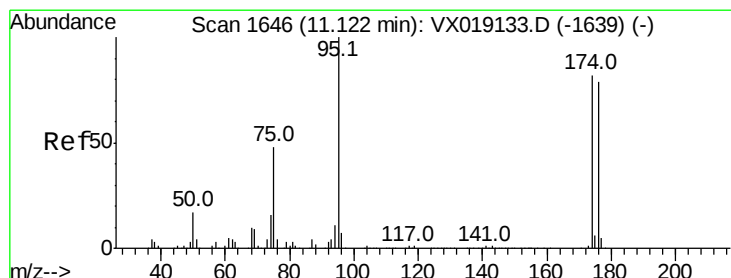
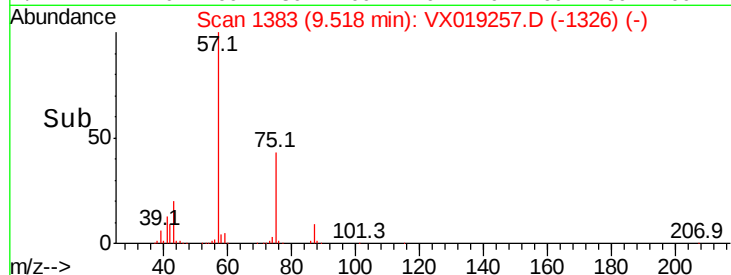
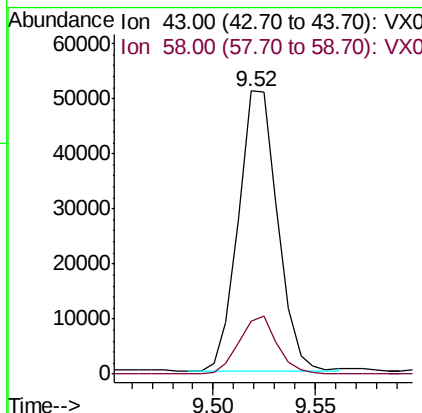
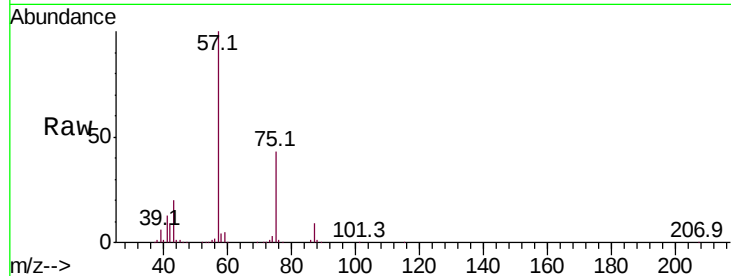




#59
2-Hexanone
Concen: 18.358 ug/l
RT: 9.52 min Scan# 1383
Delta R.T. 0.05 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

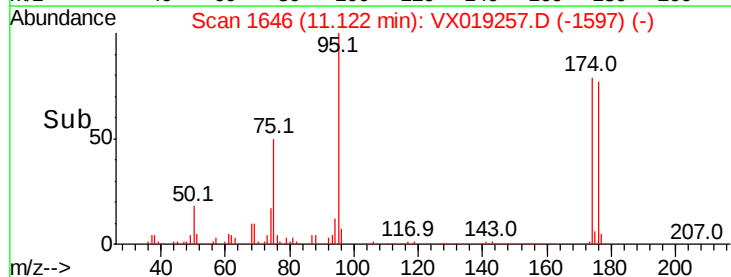
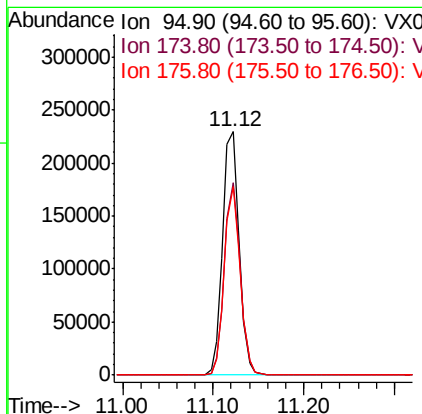
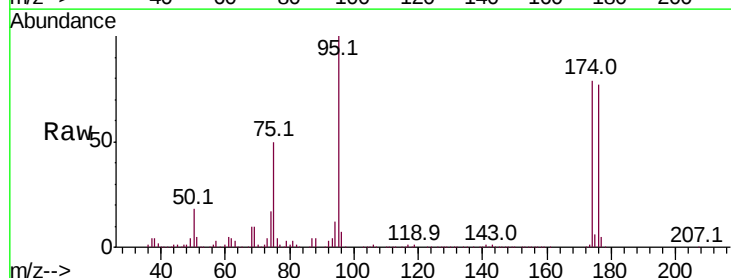
Instrument :
MSVOA_X
ClientSampleId :
CRT-23

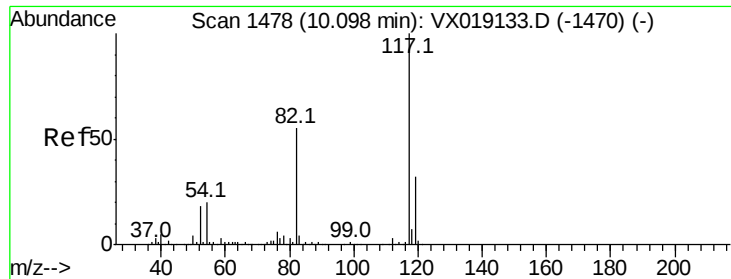
Tot Ion: 43 Resp: 67792
Ion Ratio Lower Upper
43 100
58 20.4 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 55.684 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion: 95 Resp: 293582
Ion Ratio Lower Upper
95 100
174 75.7 0.0 156.0
176 74.4 0.0 149.8

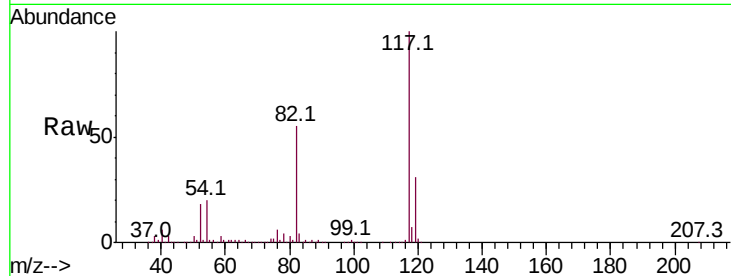




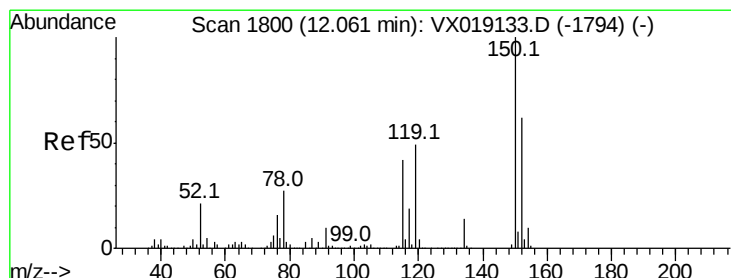
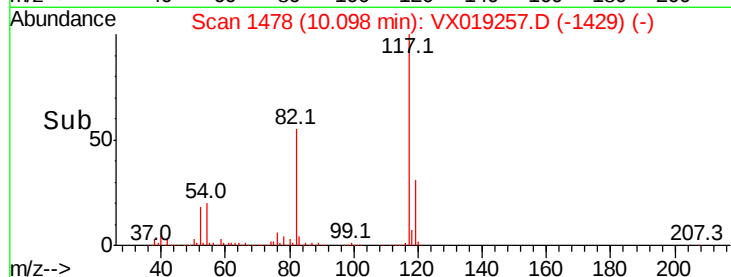
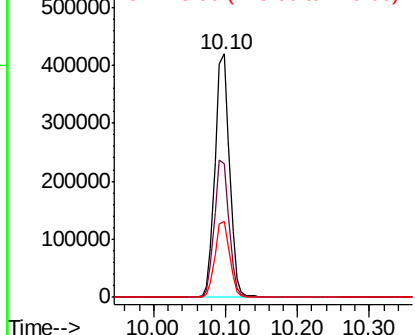
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Instrument :
MSVOA_X
ClientSampled :
CRT-23

Tot Ion:117 Resp: 584823
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 31.2 25.5 38.3

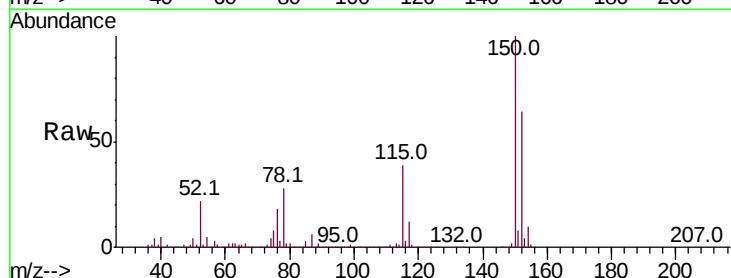


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

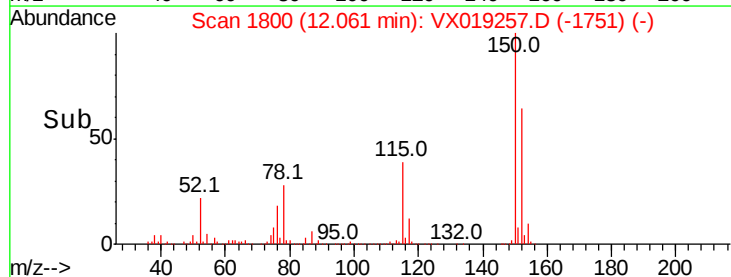
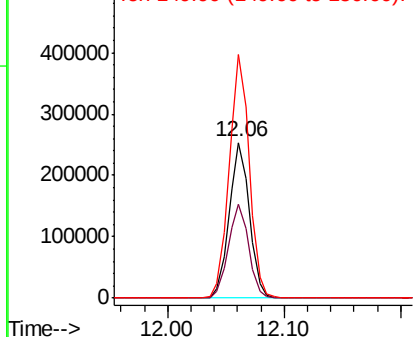


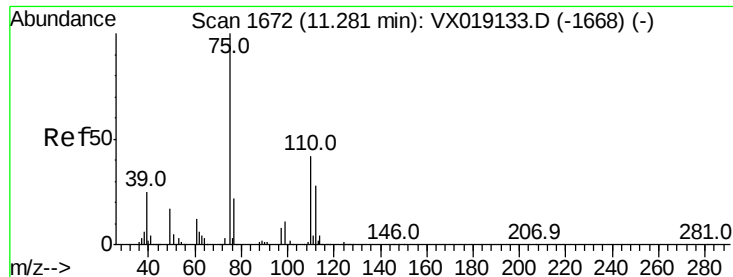
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019257.D
Acq: 04 Nov 2020 00:30

Tgt Ion:152 Resp: 303601
Ion Ratio Lower Upper
152 100
115 60.8 41.9 125.7
150 156.3 0.0 347.8



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: 23.784 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Instrument :

MSVOA_X

ClientSampled :

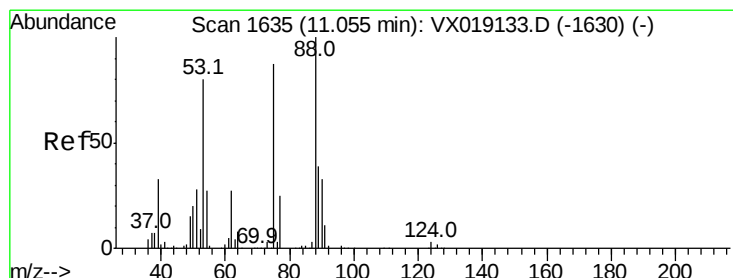
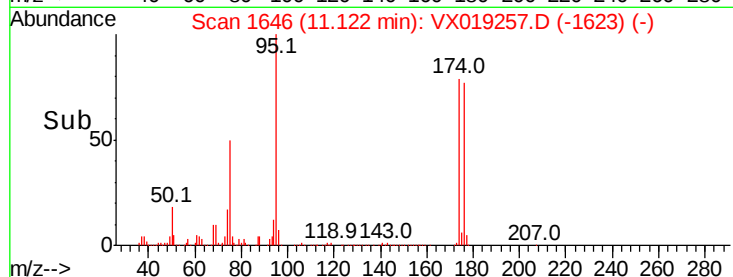
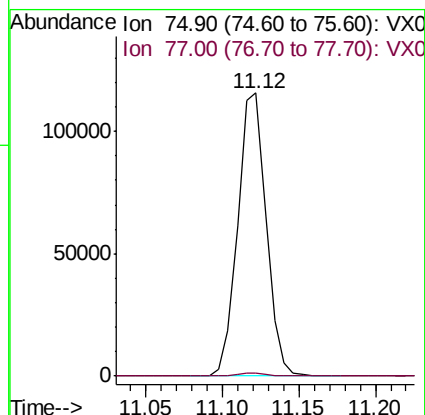
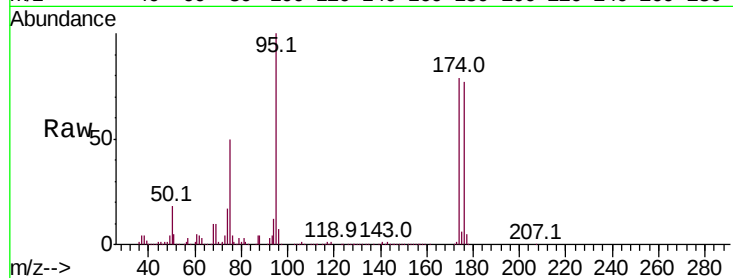
CRT-23

Tot Ion: 75 Resp: 149097

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.624 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019257.D

Acq: 04 Nov 2020 00:30

Tgt Ion: 75 Resp: 149097

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

