

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019260.D
 Acq On : 04 Nov 2020 01:37
 Operator : JC/MD
 Sample : L4605-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-01

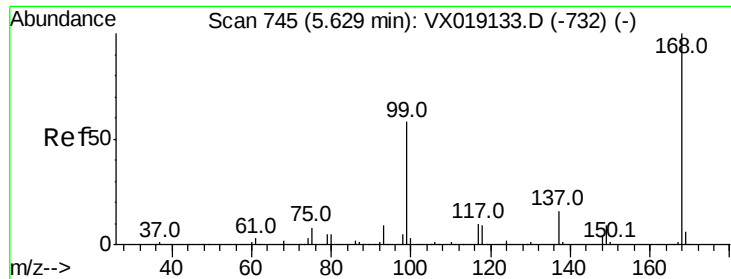
Quant Time: Nov 04 02:27:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	316546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	560589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	556877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	283535	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	219073	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
35) Dibromofluoromethane	5.46	113	175920	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.70	98	708074	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	11.12	95	278578	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	2992	3.711	ug/l #	72
13) Acrolein	2.27	56	61	5.813	ug/l #	1
16) Acetone	2.42	43	12486	8.866	ug/l	98
17) Carbon Disulfide	2.56	76	188	0.781	ug/l #	75
18) Methyl Acetate	2.75	43	2959	0.864	ug/l	95
20) Methylene Chloride	2.84	84	12776	3.614	ug/l	97
25) 2-Butanone	4.65	43	2495	1.124	ug/l #	86
29) Tetrahydrofuran	5.11	42	1607	1.149	ug/l #	84
31) Cyclohexane	5.64	56	6804	1.319	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25502	4.926	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33214	6.295	ug/l #	16
43) Isopropyl Acetate	6.41	43	71805	8.922	ug/l	99
48) Methyl methacrylate	7.65	41	4011	1.035	ug/l #	9
49) 1,4-Dioxane	7.85	88	277	3.216	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	72316	15.634	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	34424	5.470	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	5777	0.917	ug/l #	42
59) 2-Hexanone	9.52	43	72130	20.486	ug/l #	47
74) N-amyl acetate	10.81	43	2902	0.395	ug/l #	45
76) 1,2,3-Trichloropropane	11.12	75	142372	24.319	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	142372	64.031	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: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampleId :

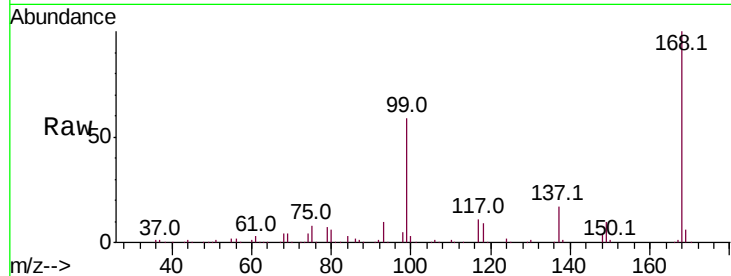
CRT-01

Tot Ion:168 Resp: 316546

Ion Ratio Lower Upper

168 100

99 59.1 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

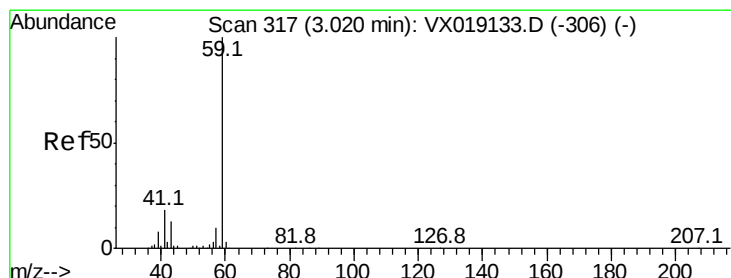
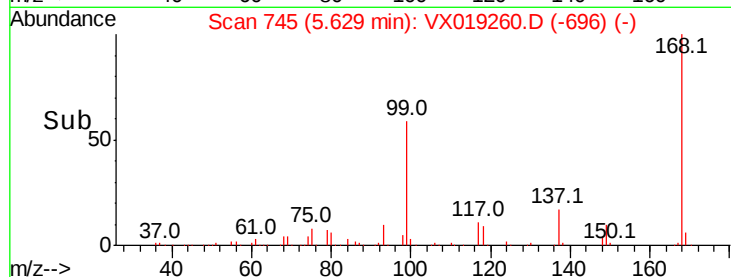
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 3.711 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019260.D

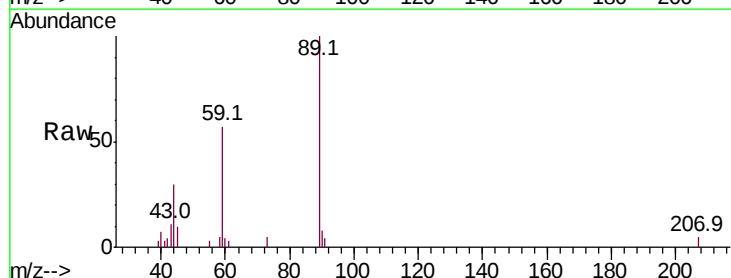
Acq: 04 Nov 2020 01:37

Tgt Ion: 59 Resp: 2992

Ion Ratio Lower Upper

59 100

57 0.0 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

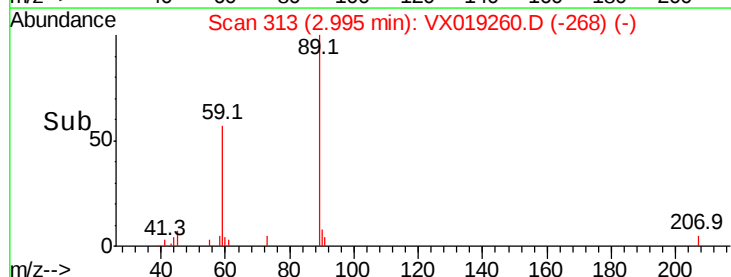
1000

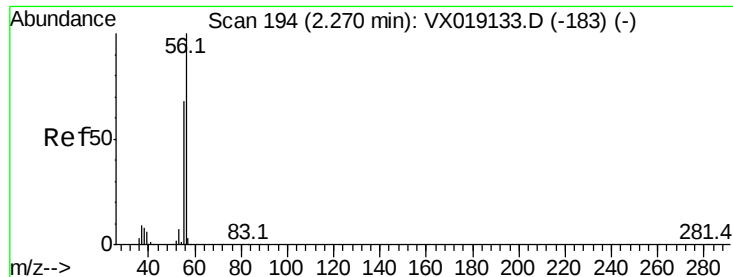
500

0

Time-->

2.90 2.95 3.00 3.05





#13

Acrolein

Concen: 5.813 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampled :

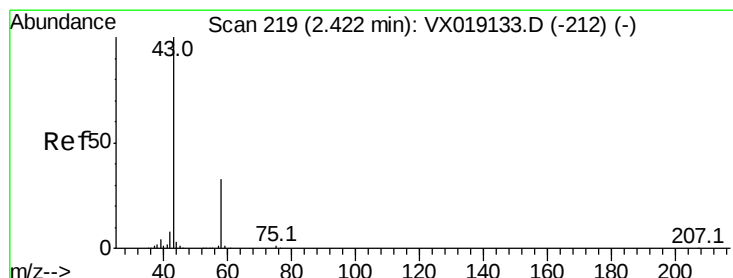
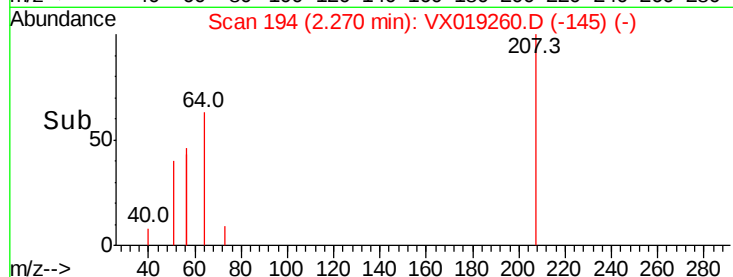
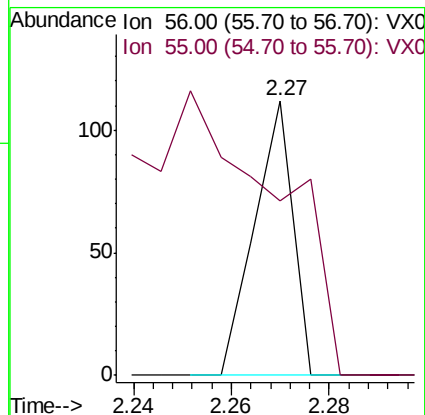
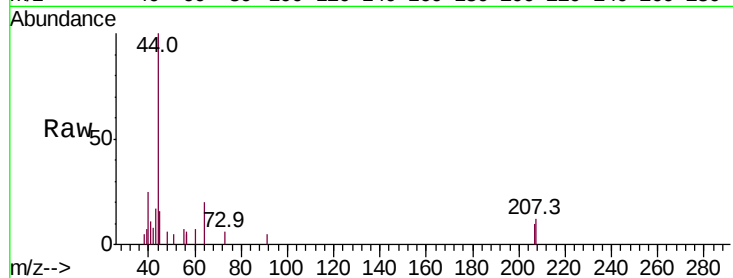
CRT-01

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 365.6 54.7 82.1#



#16

Acetone

Concen: 8.866 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019260.D

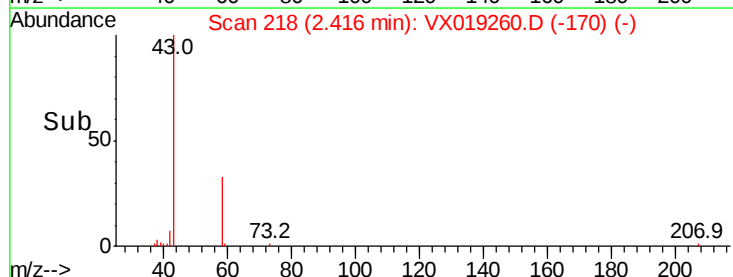
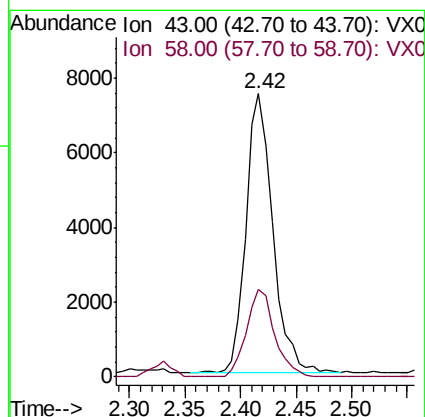
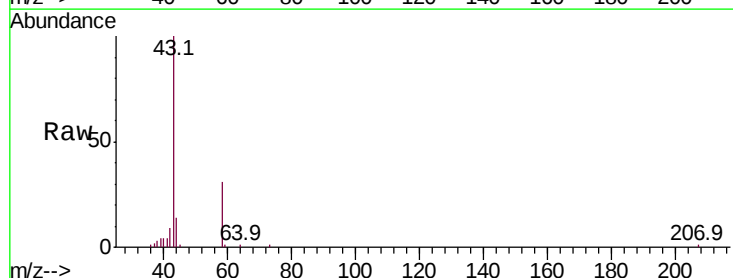
Acq: 04 Nov 2020 01:37

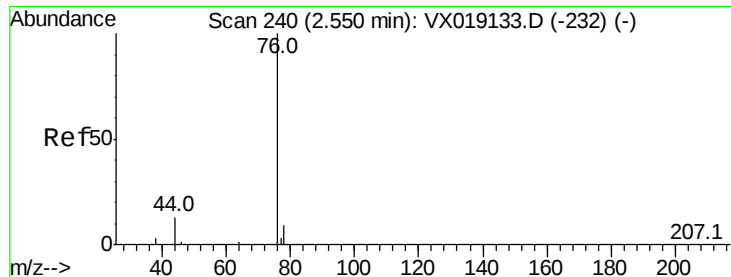
Tgt Ion: 43 Resp: 12486

Ion Ratio Lower Upper

43 100

58 31.6 26.3 39.5

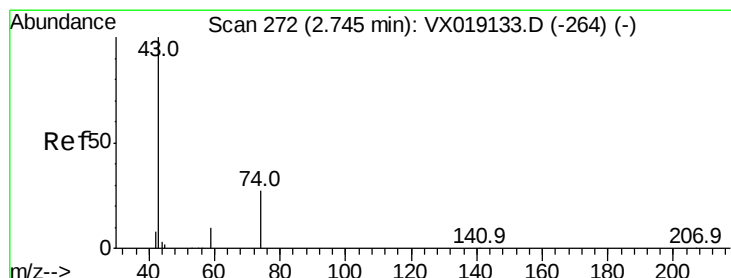
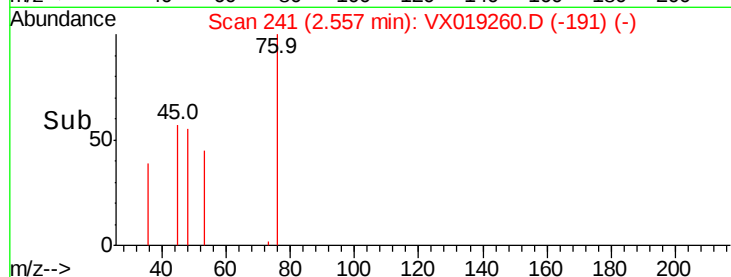
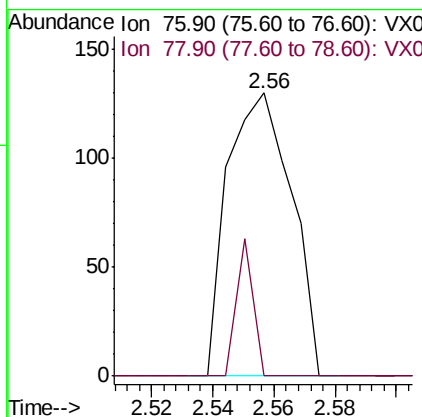
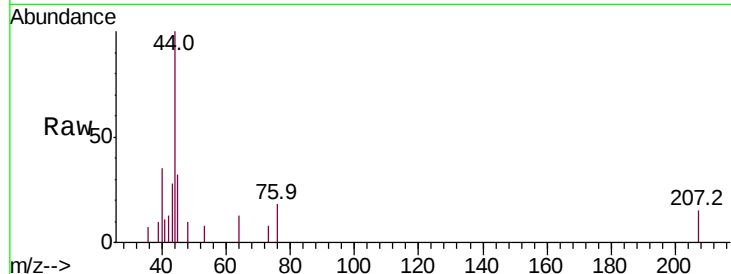




#17
Carbon Disulfide
Concen: 0.781 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

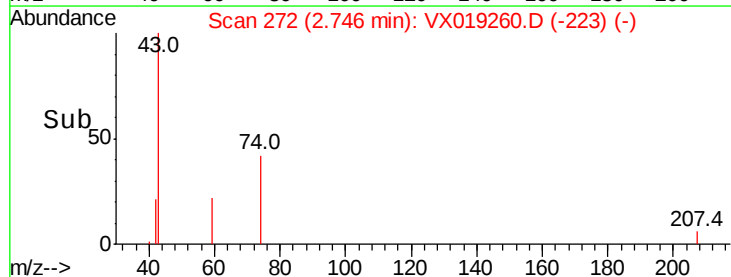
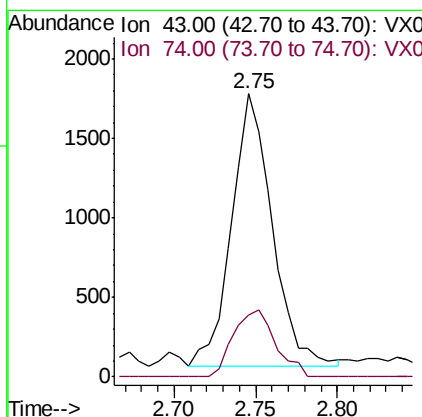
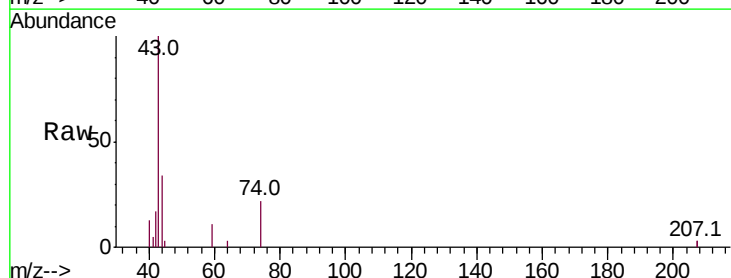
Instrument :
MSVOA_X
ClientSampled :
CRT-01

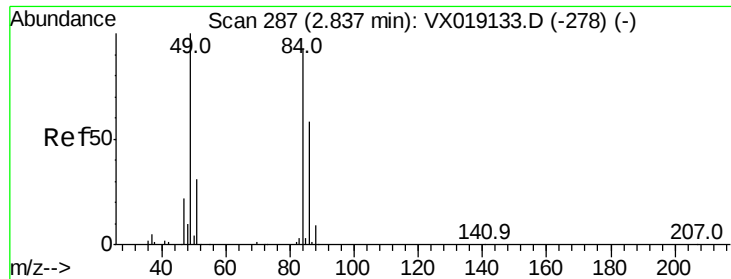
Tot Ion: 76 Resp: 188
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
74 25.7 22.6 33.8

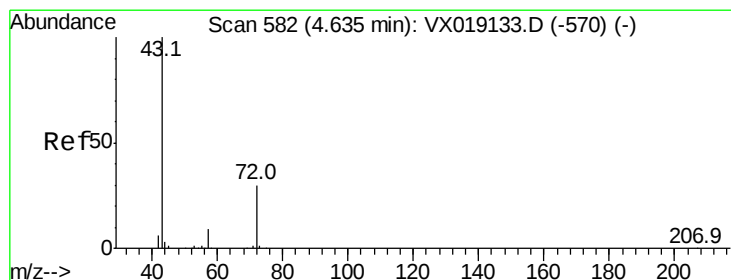
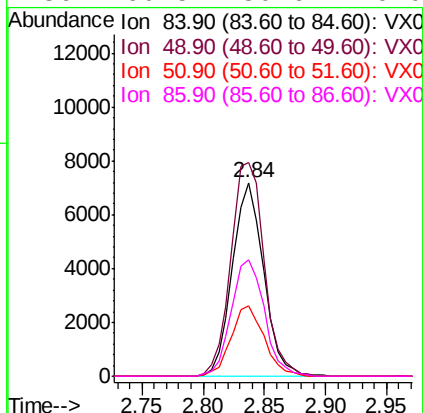
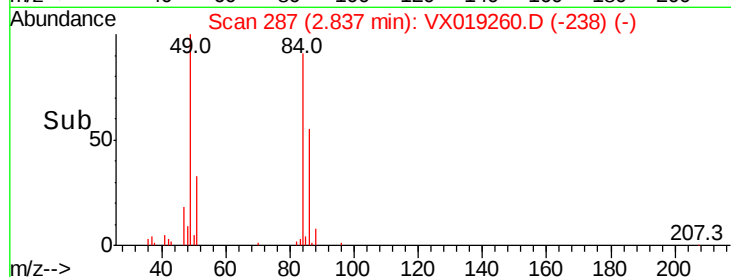
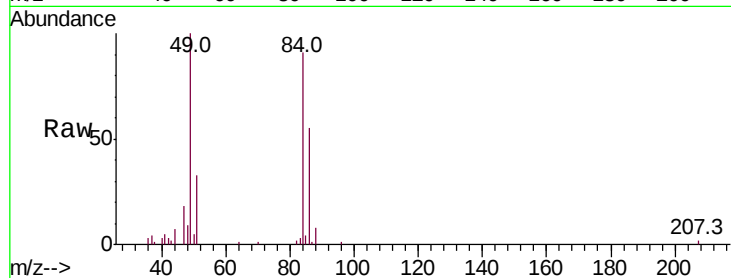




#20
Methvlene Chloride
Concen: 3.614 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

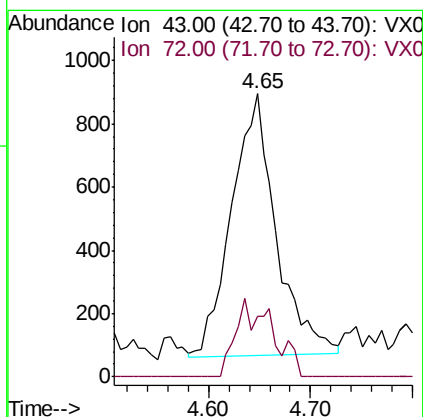
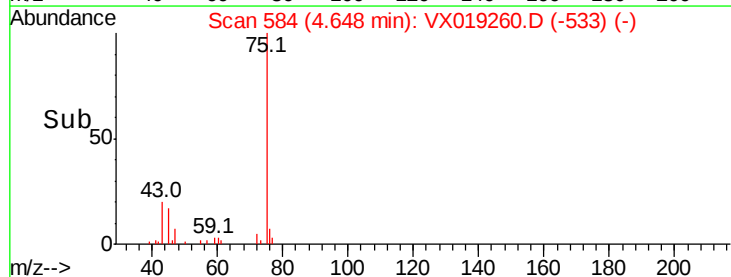
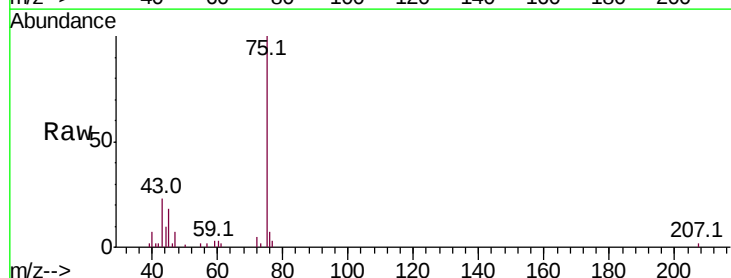
Instrument :
MSVOA_X
ClientSampled :
CRT-01

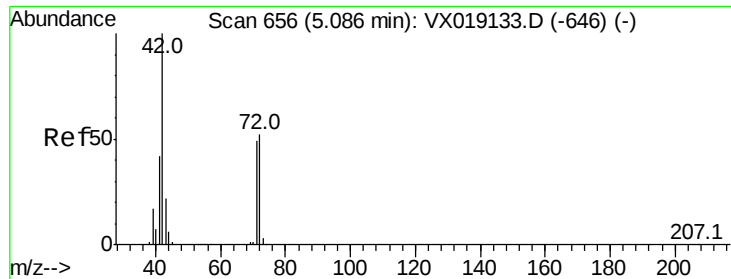
Tot Ion:	84	Resp:	12776
Ion	Ratio	Lower	Upper
84	100		
49	110.5	86.8	130.2
51	36.6	27.3	40.9
86	60.5	50.6	76.0



#25
2-Butanone
Concen: 1.124 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion:	43	Resp:	2495
Ion	Ratio	Lower	Upper
43	100		
72	23.2	24.6	36.8#





#29

Tetrahydrofuran

Concen: 1.149 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampleId :

CRT-01

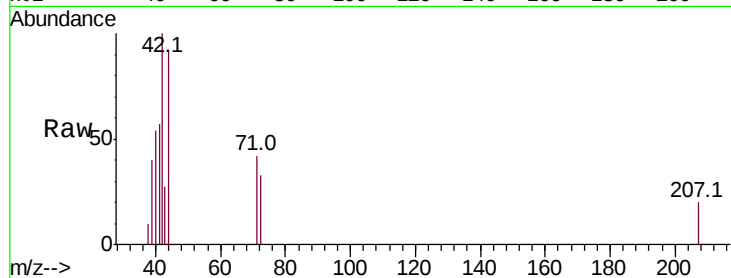
Tot Ion: 42 Resp: 1607

Ion Ratio Lower Upper

42 100

72 41.3 42.6 63.8#

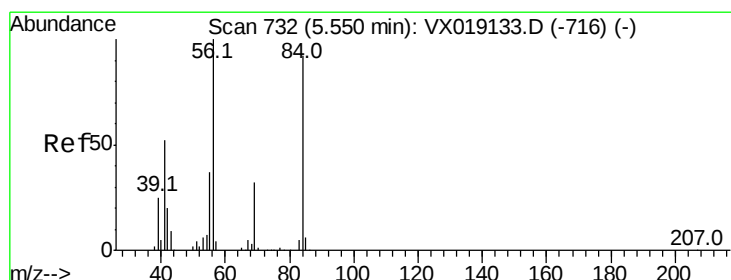
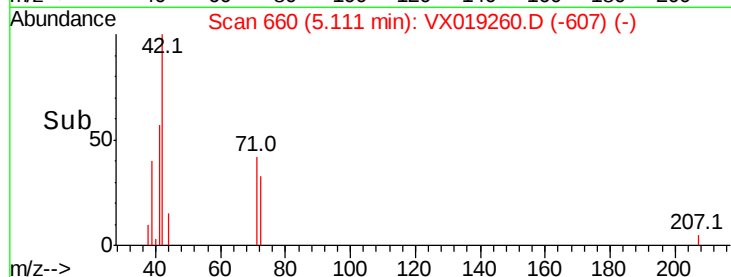
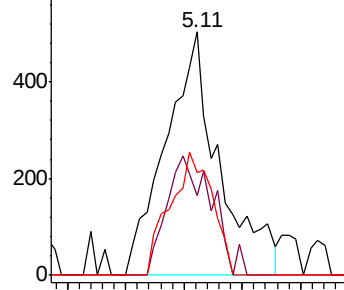
71 39.7 39.7 59.5



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

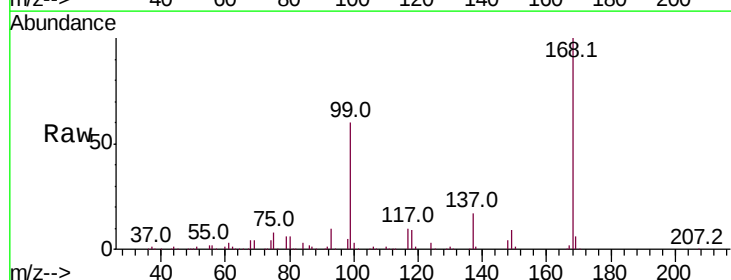
Tgt Ion: 56 Resp: 6804

Ion Ratio Lower Upper

56 100

69 179.2 25.9 38.9#

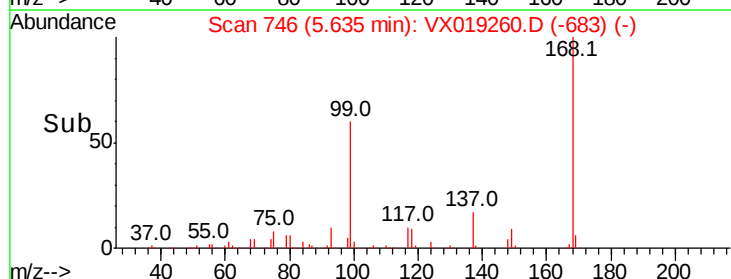
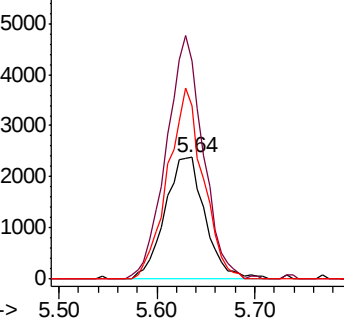
84 142.7 73.4 110.2#

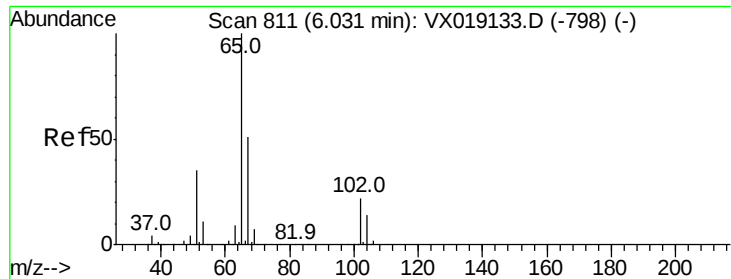


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.665 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampleId :

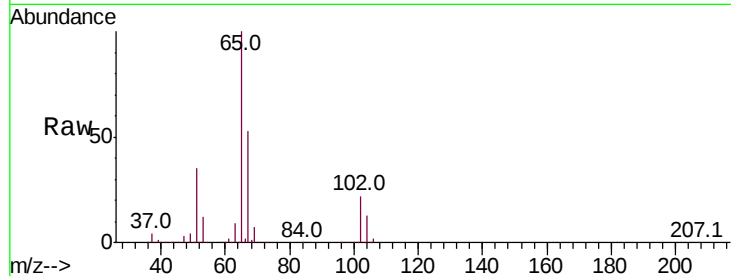
CRT-01

Tot Ion: 65 Resp: 219073

Ion Ratio Lower Upper

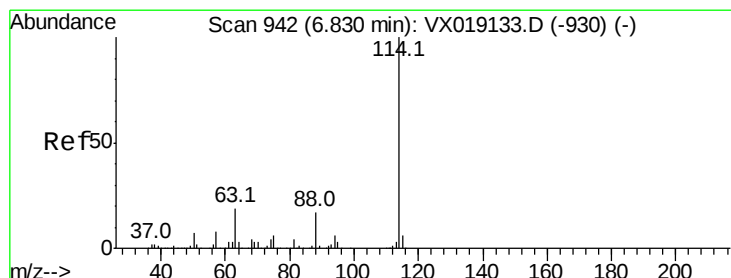
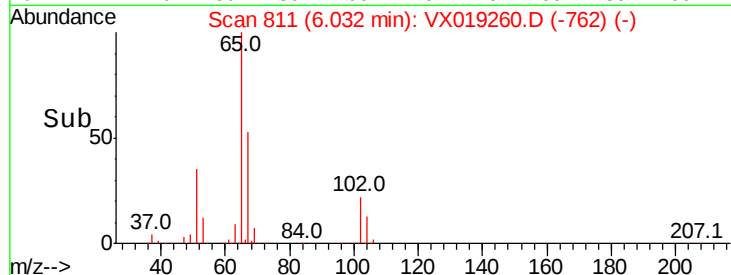
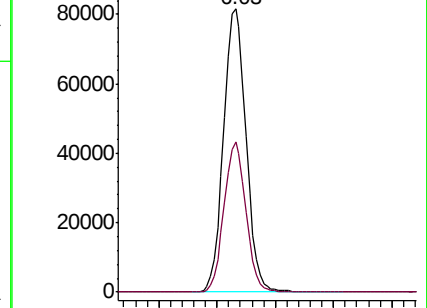
65 100

67 51.7 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: VX019260.D

Acq: 04 Nov 2020 01:37

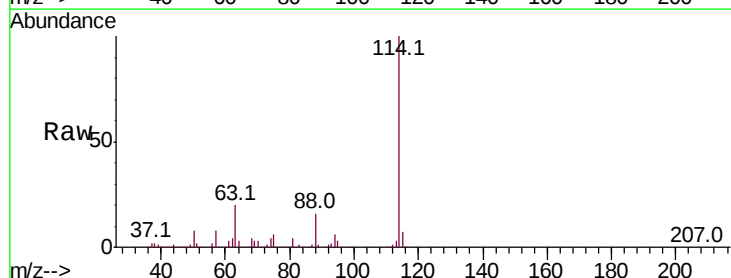
Tgt Ion: 114 Resp: 560589

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.8

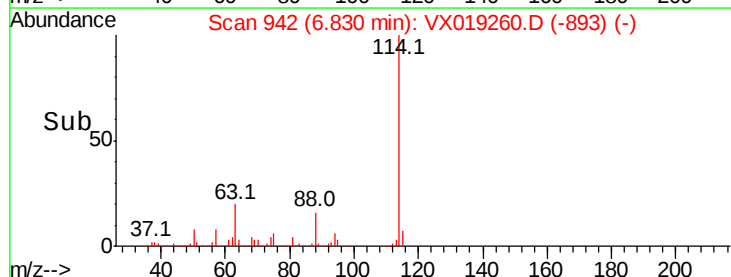
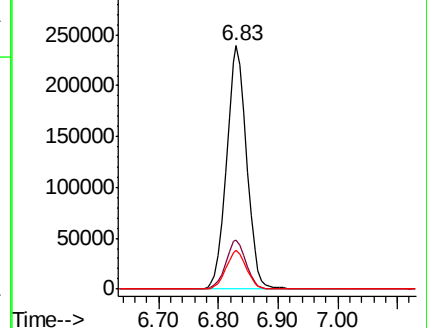
88 15.8 0.0 34.2

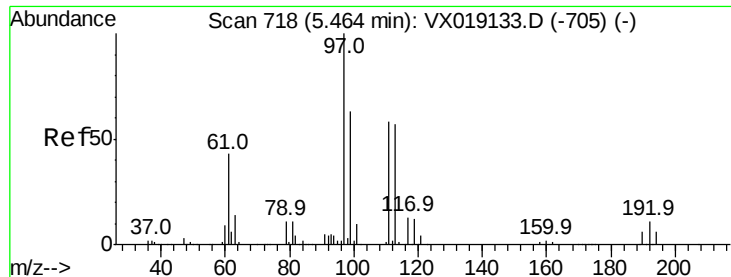


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.959 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampleId :

CRT-01

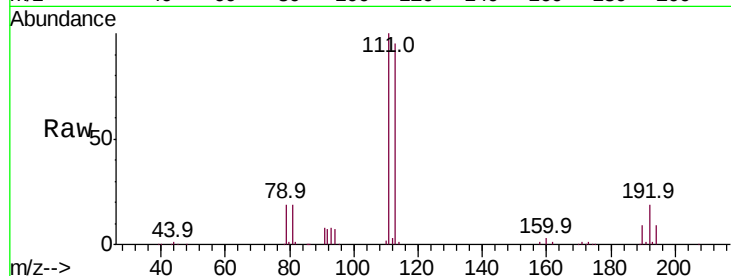
Tot Ion:113 Resp: 175920

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

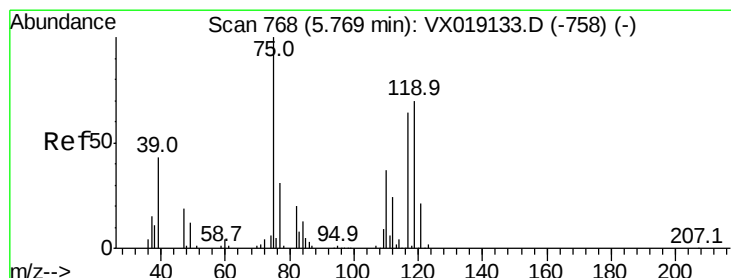
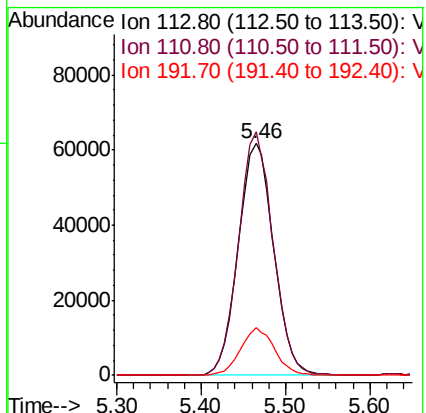
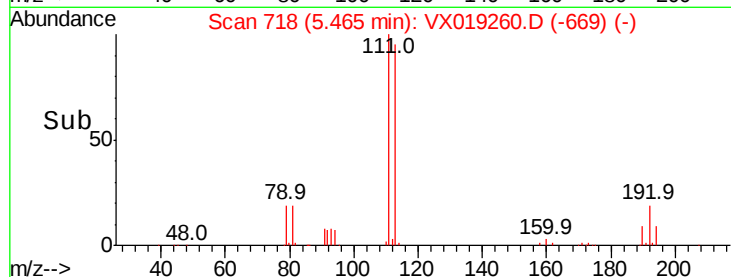
192 19.7 16.2 24.2



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: 4.926 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

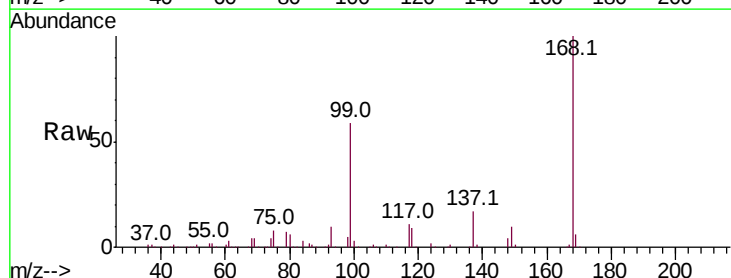
Tgt Ion: 75 Resp: 25502

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.9#

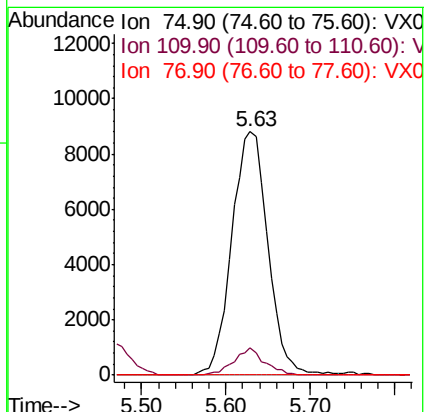
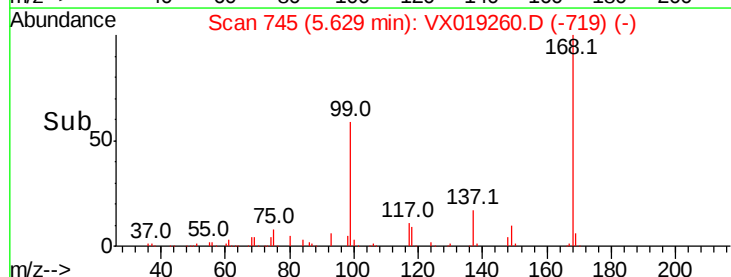
77 0.0 24.9 37.3#

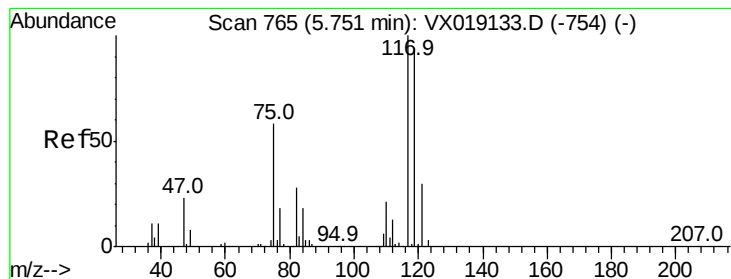


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampled :

CRT-01

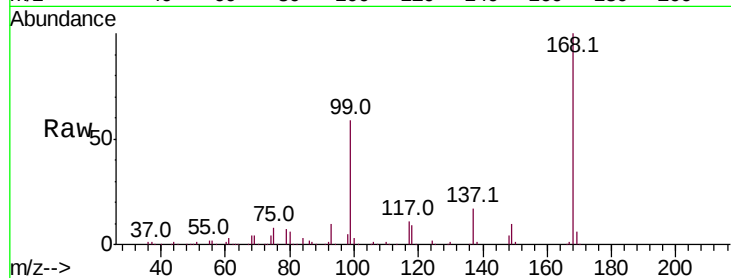
Tot Ion:117 Resp: 33214

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

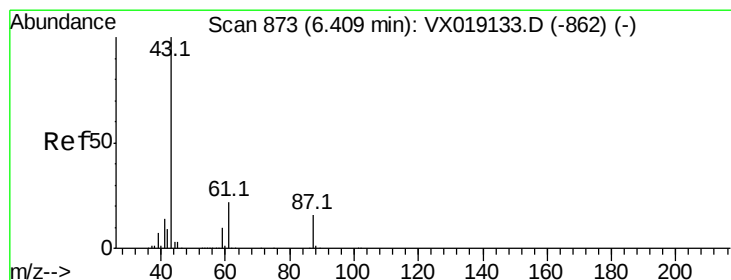
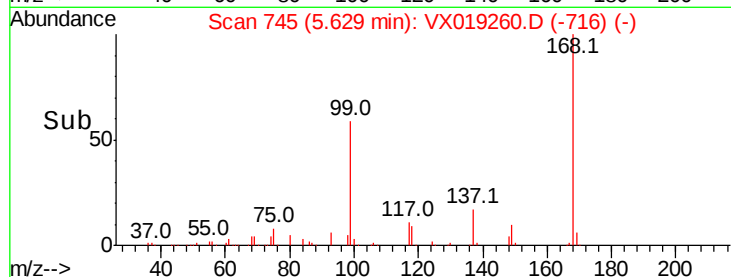
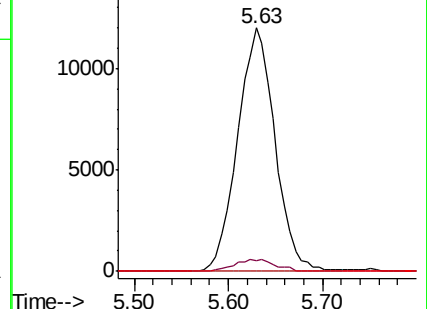
121 0.0 23.9 35.9#



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: 8.922 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

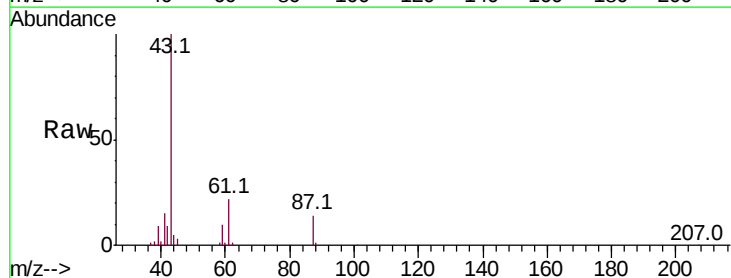
Tgt Ion: 43 Resp: 71805

Ion Ratio Lower Upper

43 100

61 21.8 17.8 26.6

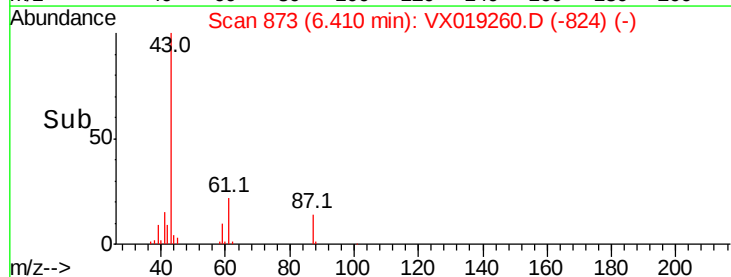
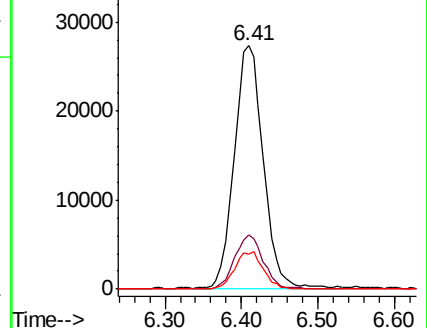
87 15.2 12.6 19.0

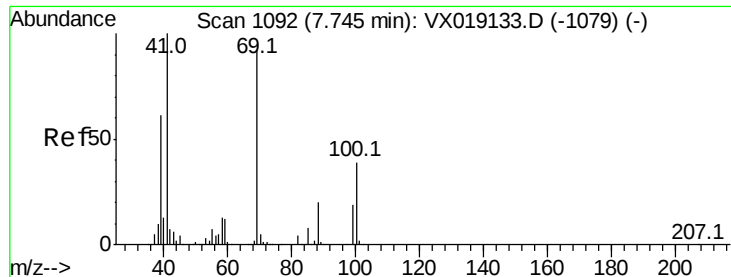


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

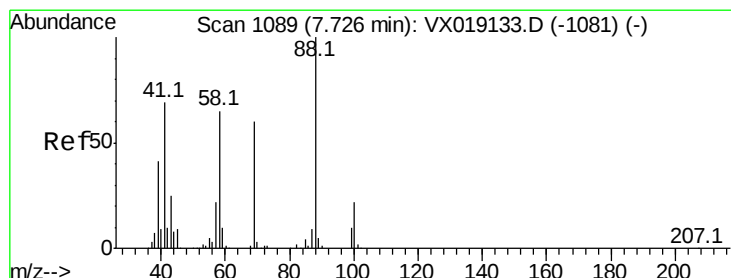
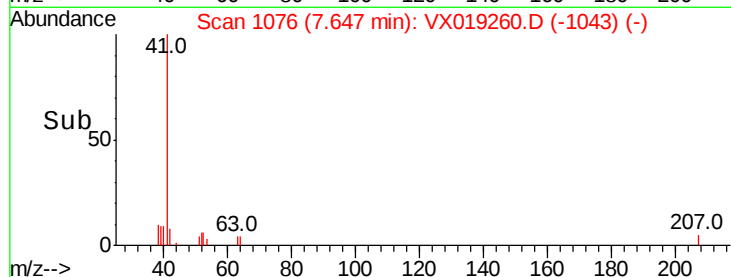
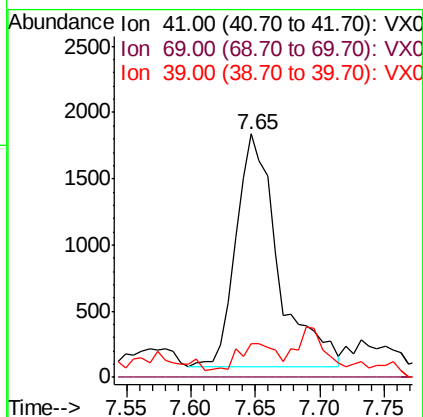
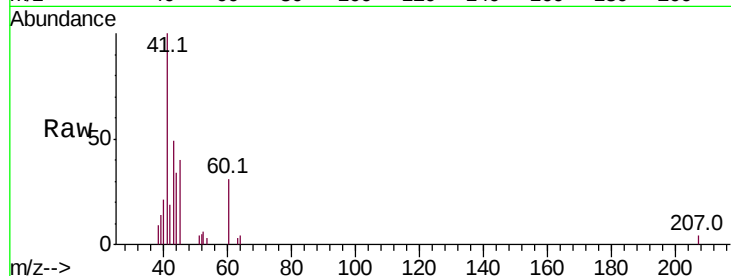




#48
Methvl methacrylate
Concen: 1.035 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

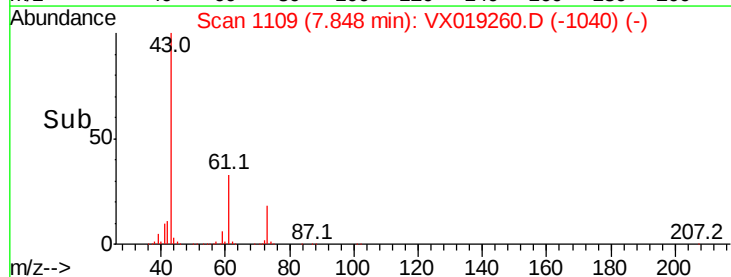
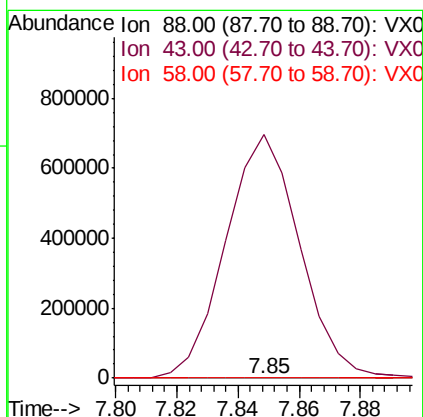
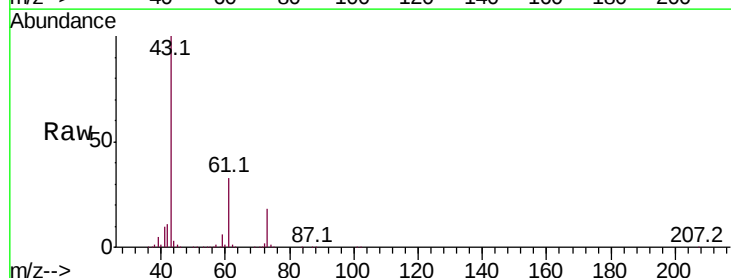
Instrument :
MSVOA_X
ClientSampleId :
CRT-01

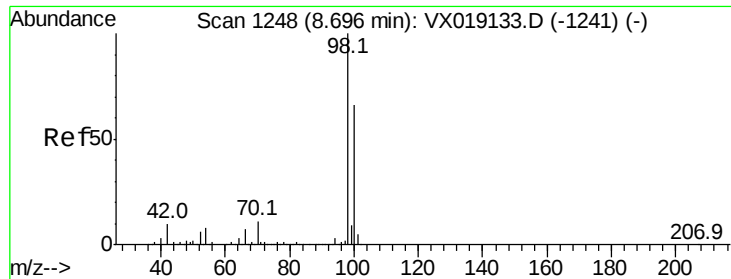
Tot Ion: 41 Resp: 4011
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 3.216 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.12 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 425559.6 23.0 34.6#
58 1979.4 52.2 78.2#

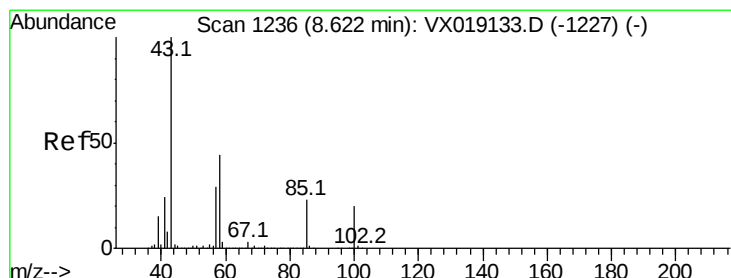
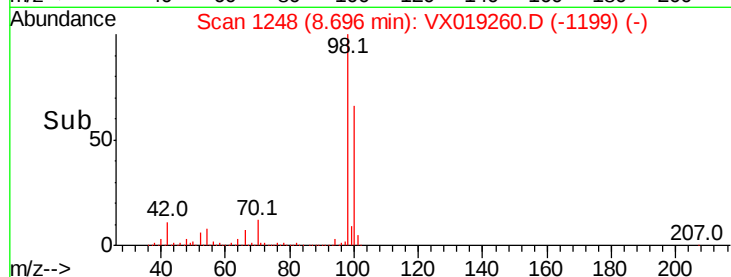
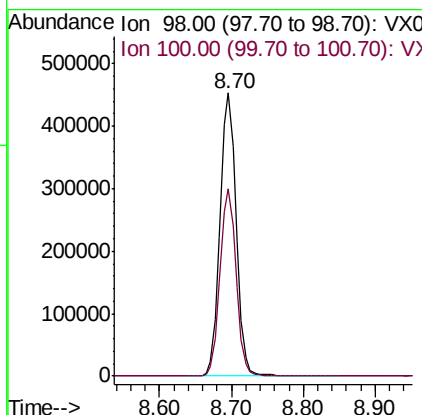
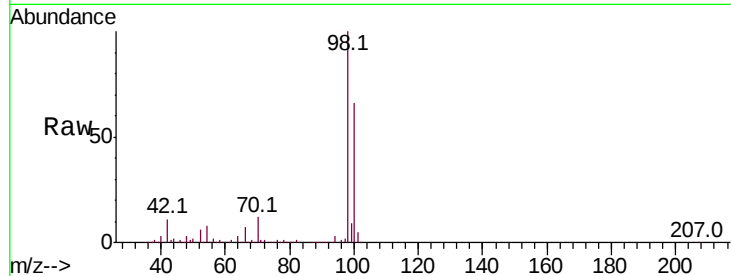




#50
Toluene-d8
Concen: 53.343 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

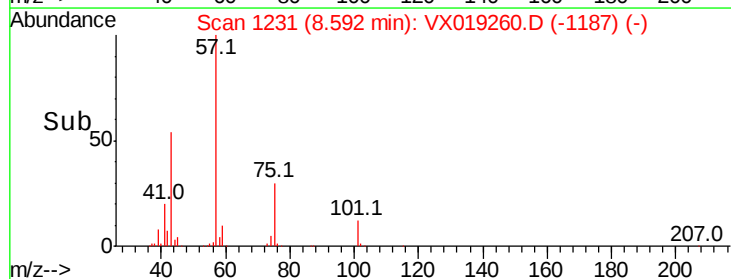
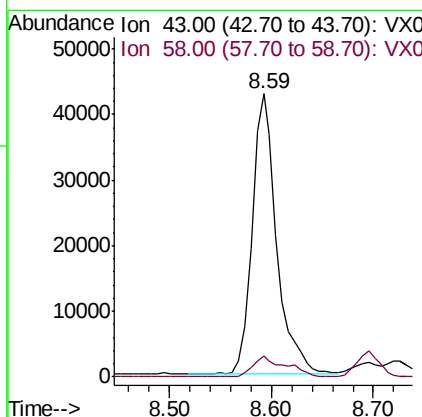
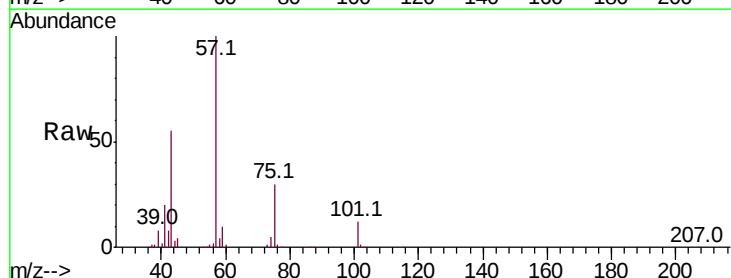
Instrument :
MSVOA_X
ClientSampled :
CRT-01

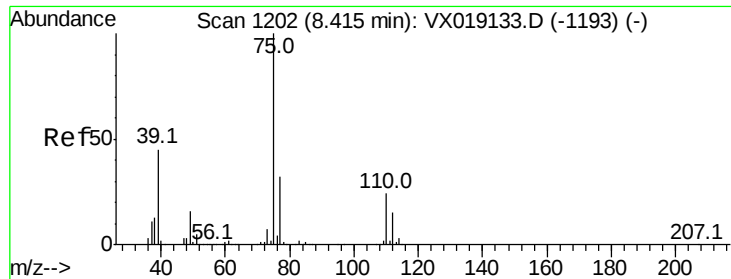
Tot Ion: 98 Resp: 708074
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 15.634 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion: 43 Resp: 72316
Ion Ratio Lower Upper
43 100
58 10.0 35.0 52.4#



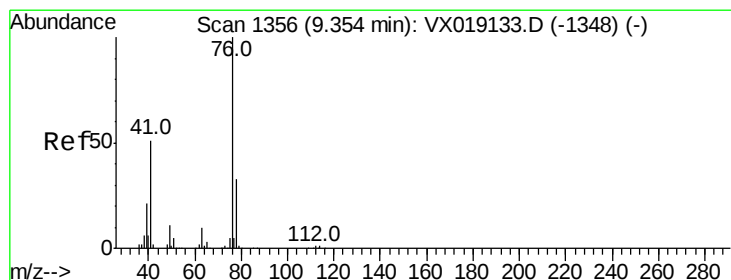
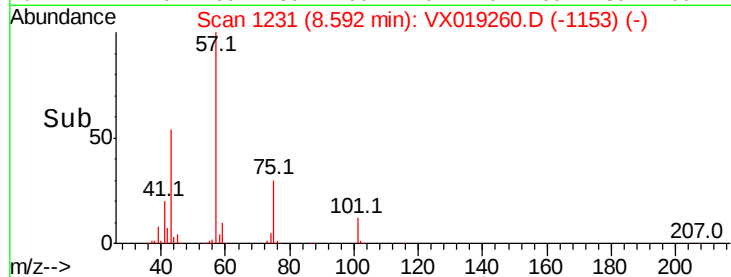
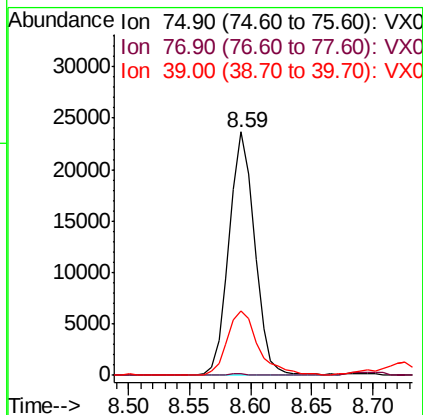
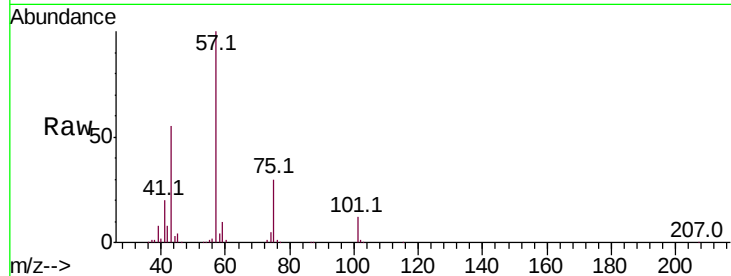


#54

cis-1,3-Dichloropropene
 Concen: 5.470 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019260.D
 Acq: 04 Nov 2020 01:37

Instrument :
 MSVOA_X
 ClientSampled :
 CRT-01

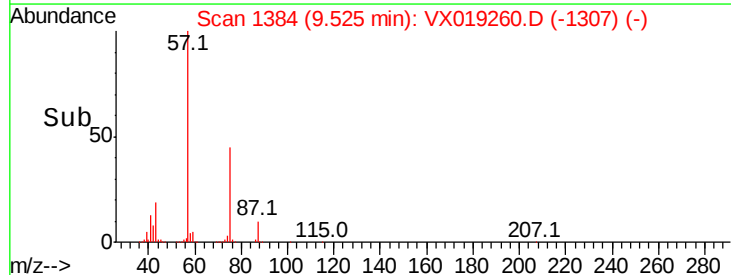
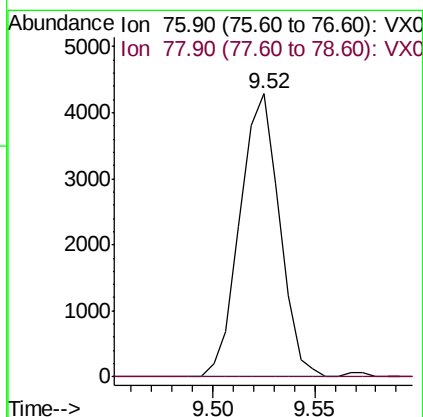
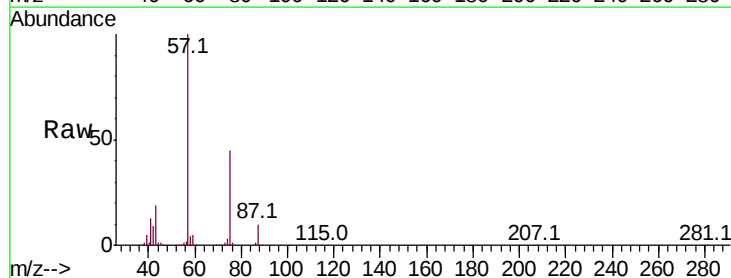
Tot Ion: 75 Resp: 34424
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.5 38.3#
 39 26.1 36.2 54.2#

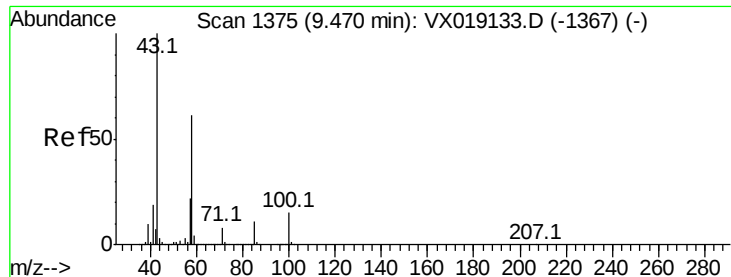


#57

1,3-Dichloropropane
 Concen: 0.917 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019260.D
 Acq: 04 Nov 2020 01:37

Tgt Ion: 76 Resp: 5777
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

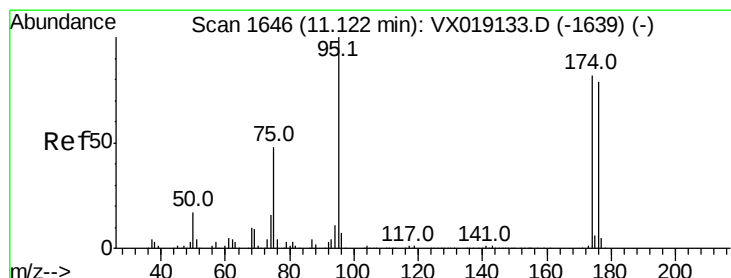
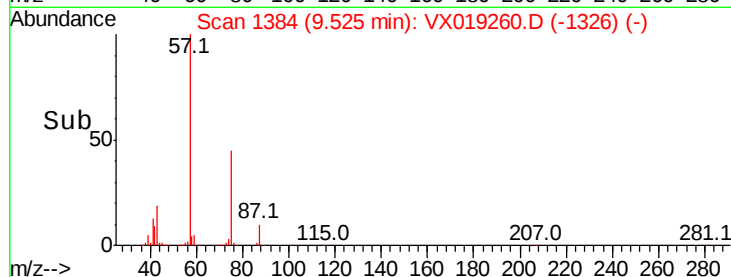
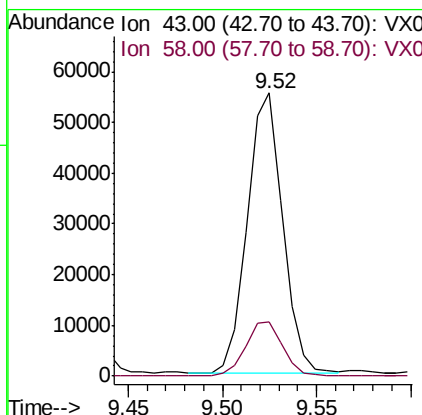
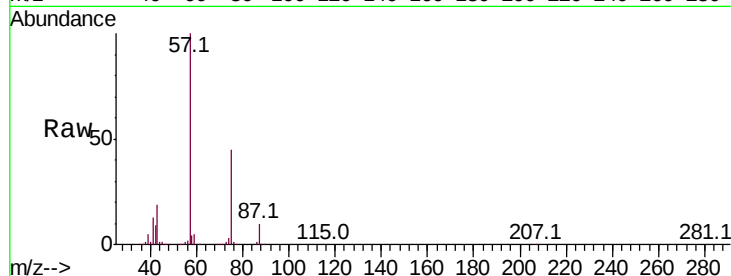




#59
2-Hexanone
Concen: 20.486 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

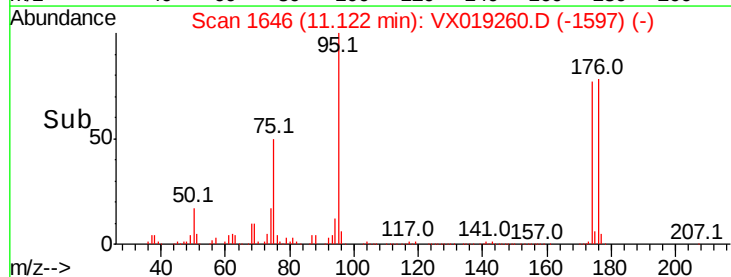
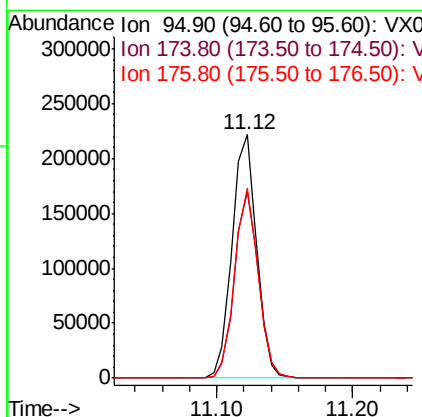
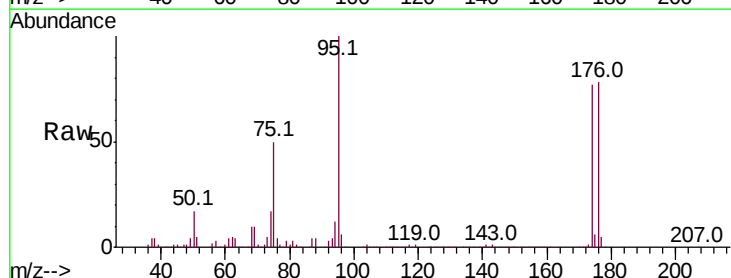
Instrument :
MSVOA_X
ClientSampleId :
CRT-01

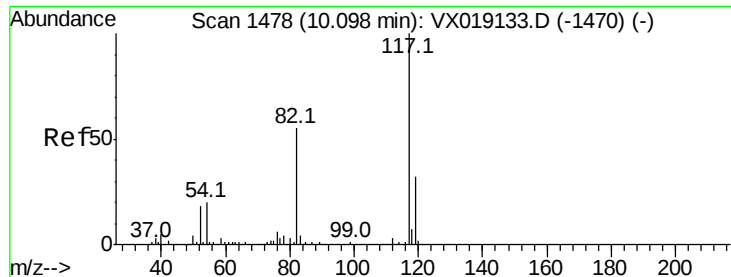
Tot Ion: 43 Resp: 72130
Ion Ratio Lower Upper
43 100
58 20.6 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 55.417 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion: 95 Resp: 278578
Ion Ratio Lower Upper
95 100
174 74.8 0.0 156.0
176 75.0 0.0 149.8

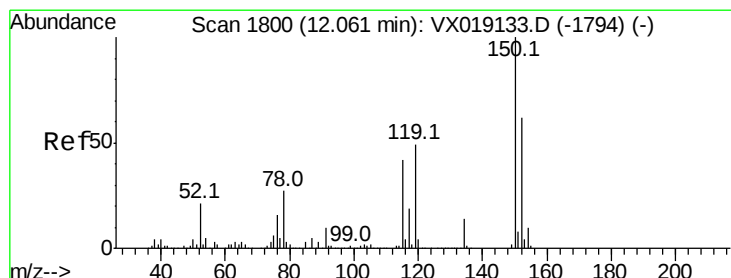
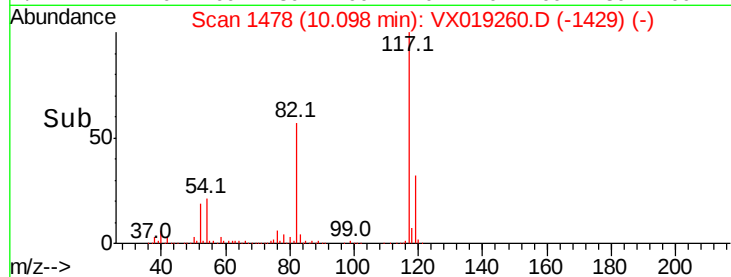
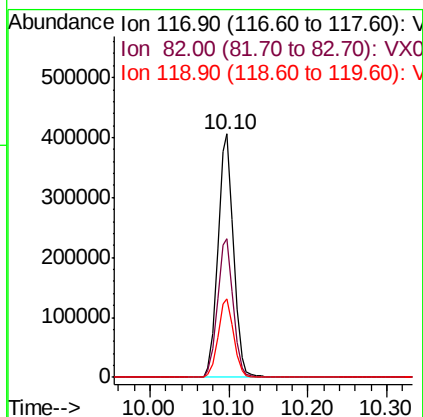
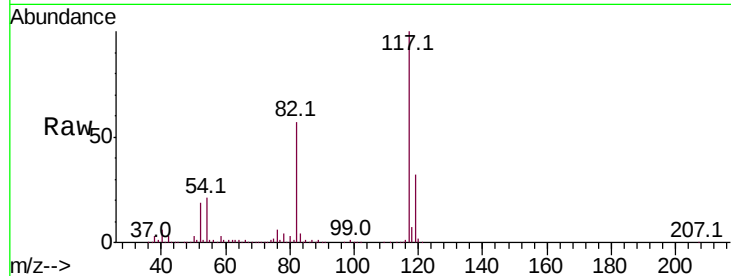




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

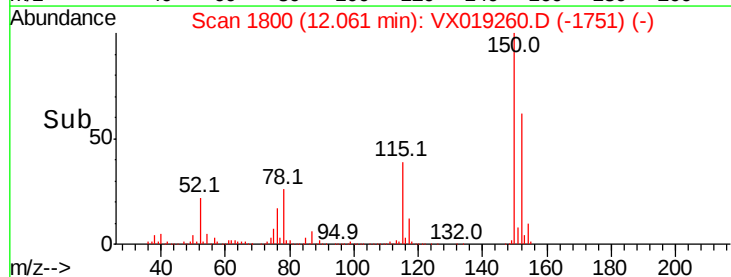
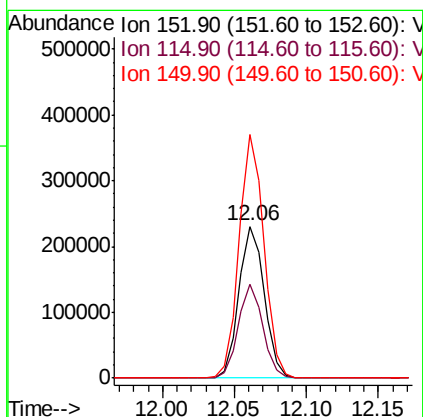
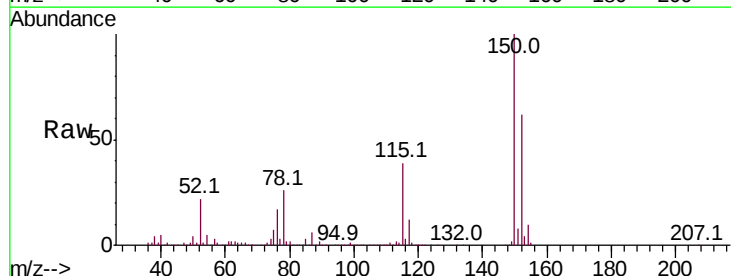
Instrument :
MSVOA_X
ClientSampled :
CRT-01

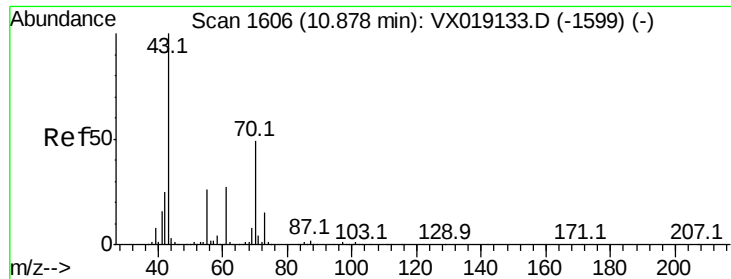
Tot Ion:117 Resp: 556877
Ion Ratio Lower Upper
117 100
82 56.9 43.6 65.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019260.D
Acq: 04 Nov 2020 01:37

Tgt Ion:152 Resp: 283535
Ion Ratio Lower Upper
152 100
115 59.9 41.9 125.7
150 156.9 0.0 347.8





#74

N-amvl acetate

Concen: 0.395 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019260.D

Acq: 04 Nov 2020 01:37

Instrument :

MSVOA_X

ClientSampleId :

CRT-01

Tot Ion: 43 Resp: 2902

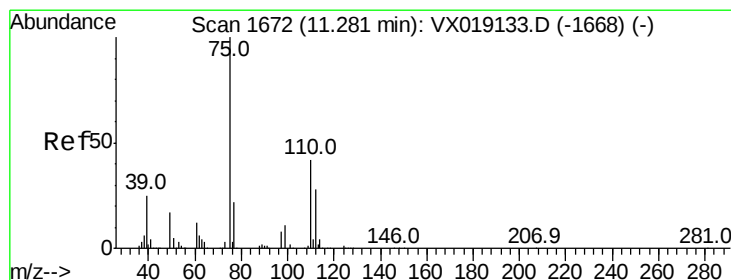
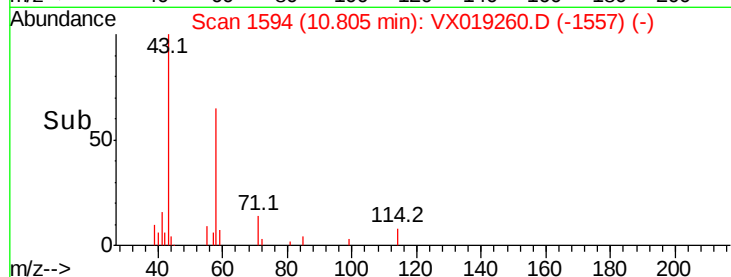
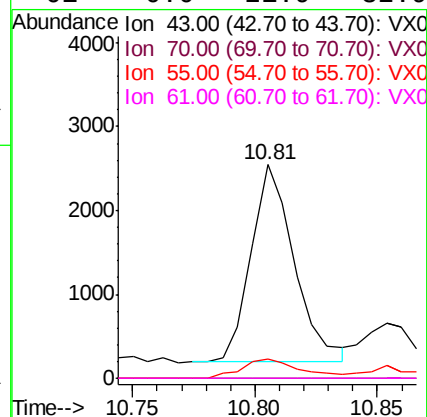
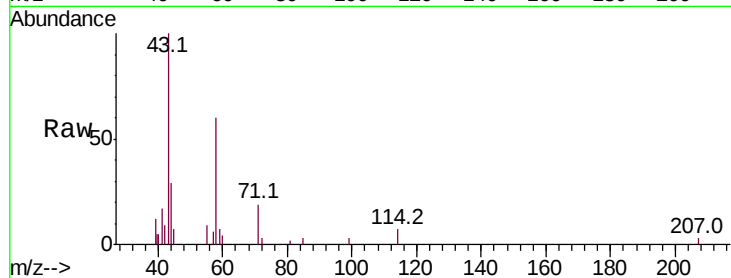
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 13.1 20.7 31.1#

61 0.0 21.9 32.9#



#76

1,2,3-Trichloropropane

Concen: 24.319 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019260.D

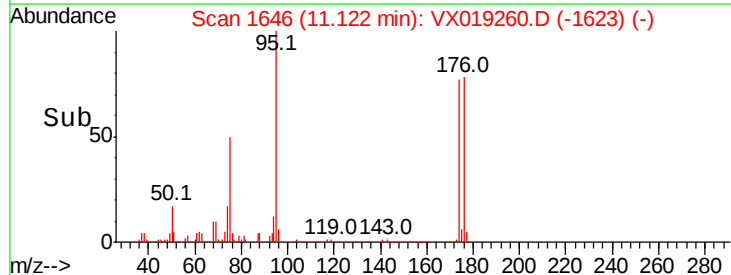
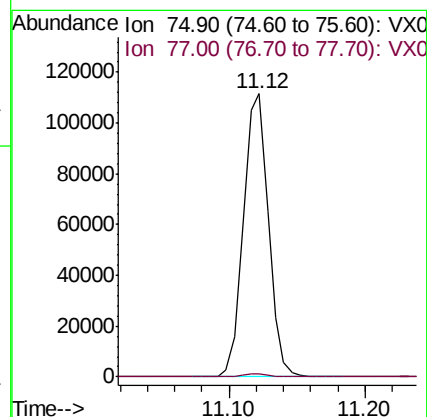
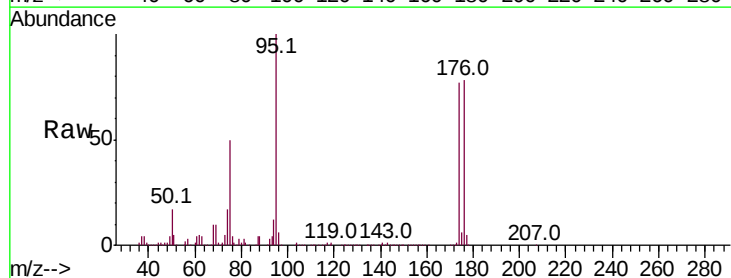
Acq: 04 Nov 2020 01:37

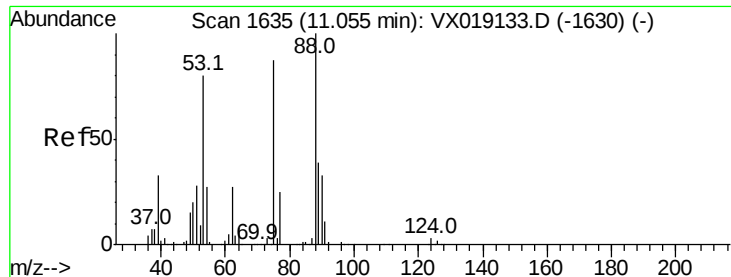
Tgt Ion: 75 Resp: 142372

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.031 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019260.D
 Acq: 04 Nov 2020 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-01

Tot Ion: 75 Resp: 142372
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

