

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019259.D
 Acq On : 04 Nov 2020 01:15
 Operator : JC/MD
 Sample : L4600-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

Quant Time: Nov 04 02:27:26 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	316958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	553635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	546553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	276992	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	216841	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	5.46	113	175062	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	8.70	98	701294	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	11.12	95	272040	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	

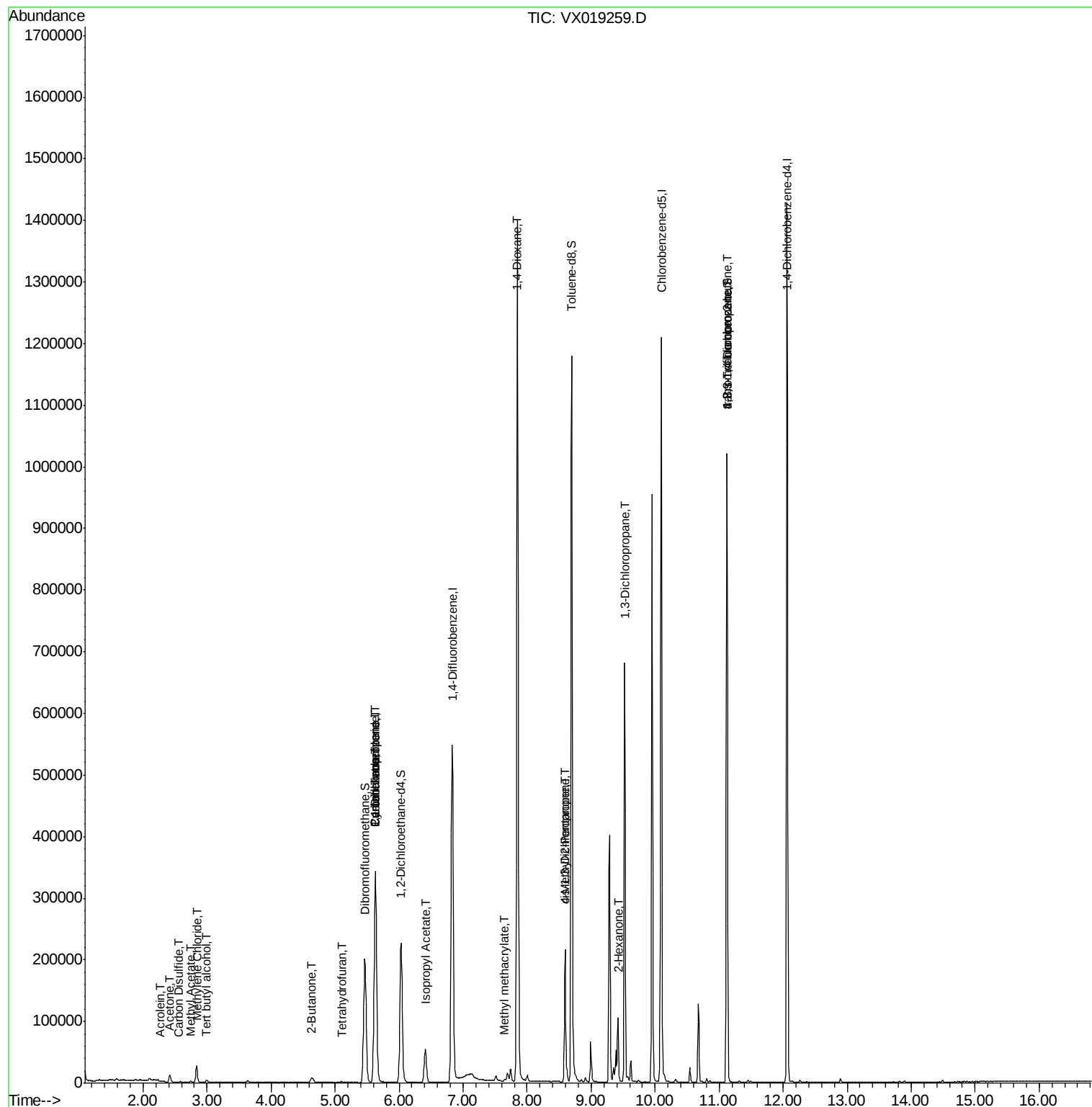
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	2523	3.125	ug/l #	72
13) Acrolein	2.27	56	78	5.859	ug/l #	66
16) Acetone	2.42	43	12691	9.000	ug/l	99
17) Carbon Disulfide	2.56	76	216	0.784	ug/l #	75
18) Methyl Acetate	2.75	43	3079	0.898	ug/l	93
20) Methylene Chloride	2.84	84	12979	3.666	ug/l #	90
25) 2-Butanone	4.64	43	2644	1.190	ug/l	93
29) Tetrahydrofuran	5.11	42	1633	1.166	ug/l #	84
31) Cyclohexane	5.63	56	6879	1.331	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	25089	4.907	ug/l #	50
38) Carbon Tetrachloride	5.63	117	32079	6.156	ug/l #	17
43) Isopropyl Acetate	6.41	43	71962	9.054	ug/l	99
48) Methyl methacrylate	7.65	41	3651	0.954	ug/l #	9
49) 1,4-Dioxane	7.84	88	224	2.633	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	71458	15.643	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	35079	5.644	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	6001	0.965	ug/l #	42
59) 2-Hexanone	9.42	43	66263	19.056	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	140051	24.487	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	140051	64.475	ug/l #	12

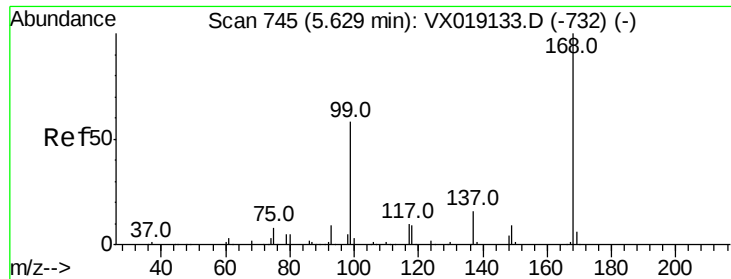
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

Instrument :

MSVOA_X

ClientSampleId :

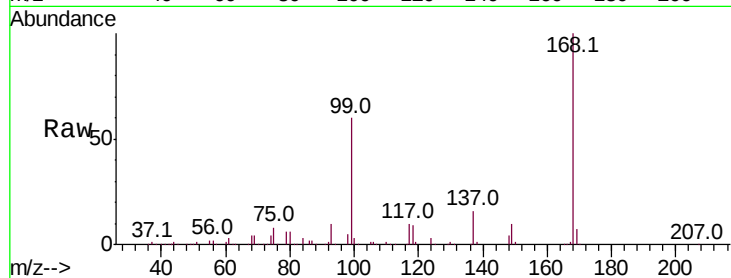
CRT-6

Tot Ion:168 Resp: 316958

Ion Ratio Lower Upper

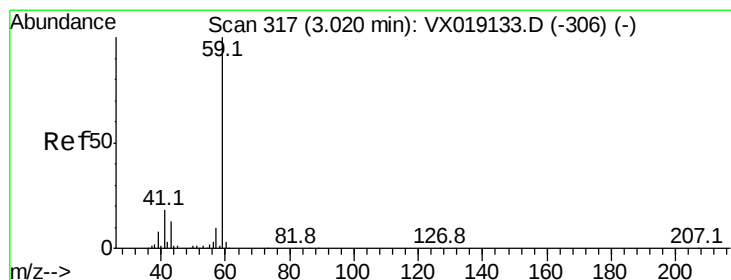
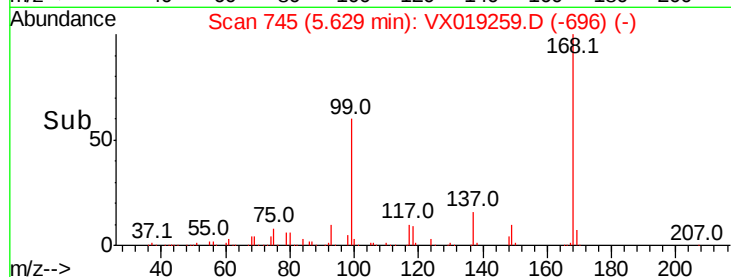
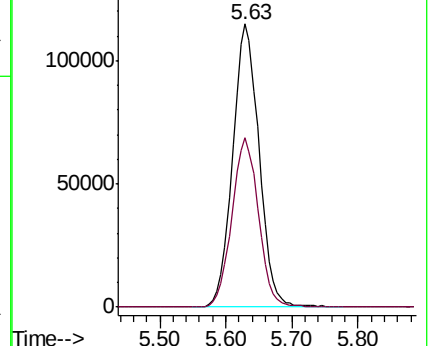
168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 3.125 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019259.D

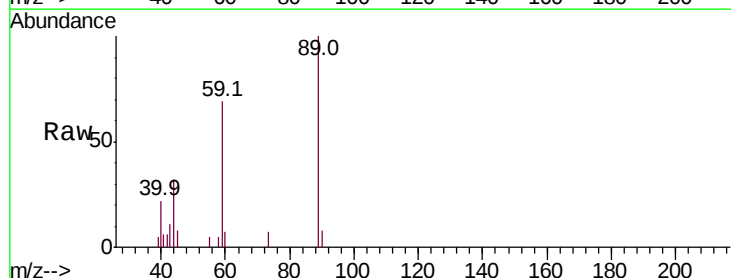
Acq: 04 Nov 2020 01:15

Tgt Ion: 59 Resp: 2523

Ion Ratio Lower Upper

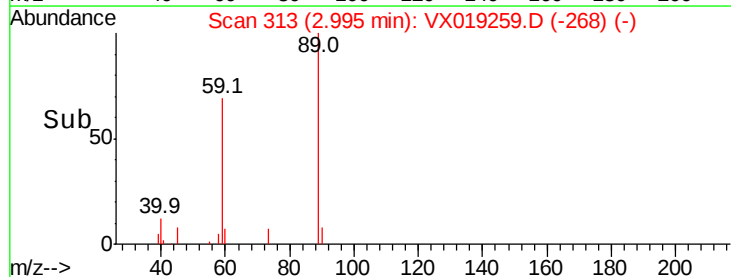
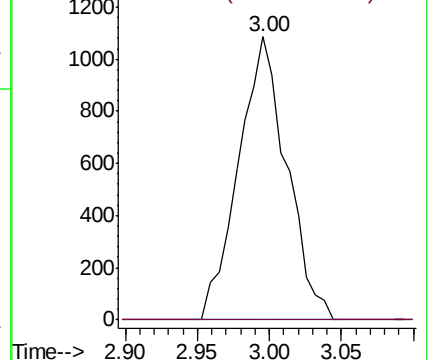
59 100

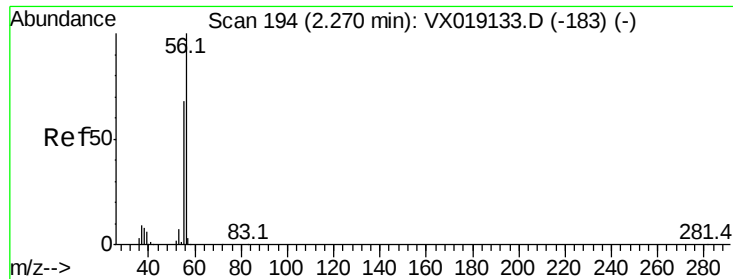
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.859 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

Instrument :

MSVOA_X

ClientSampleId :

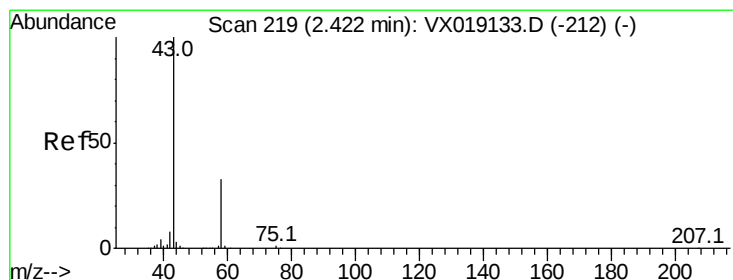
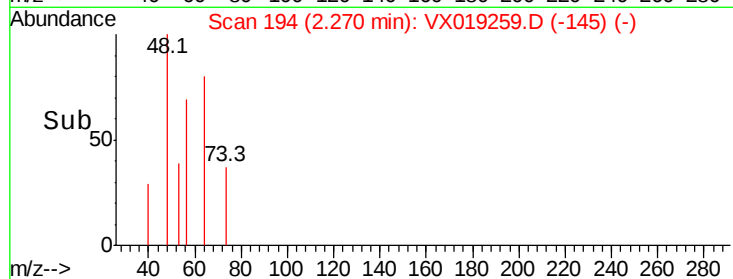
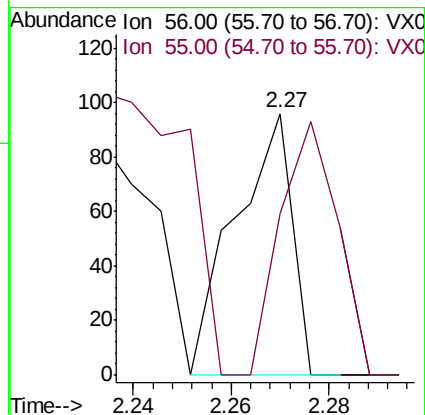
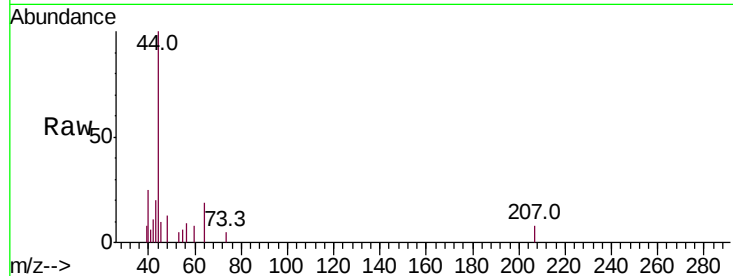
CRT-6

Tot Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 96.2 54.7 82.1#



#16

Acetone

Concen: 9.000 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019259.D

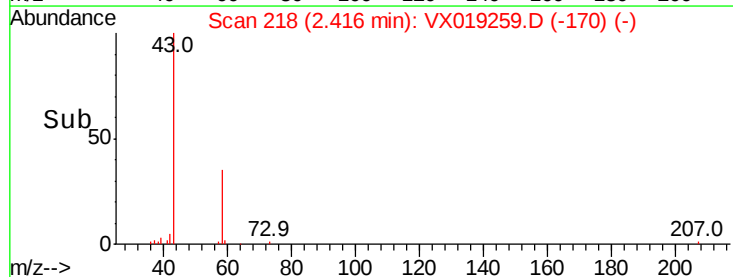
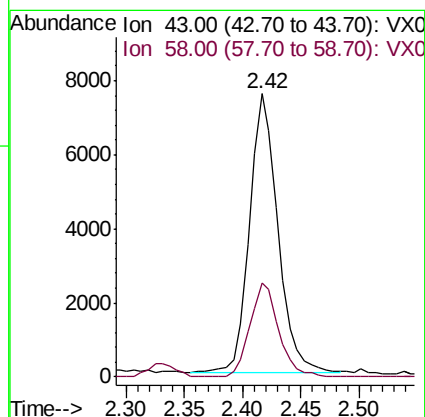
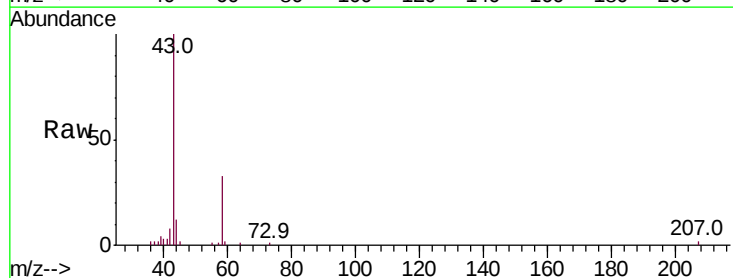
Acq: 04 Nov 2020 01:15

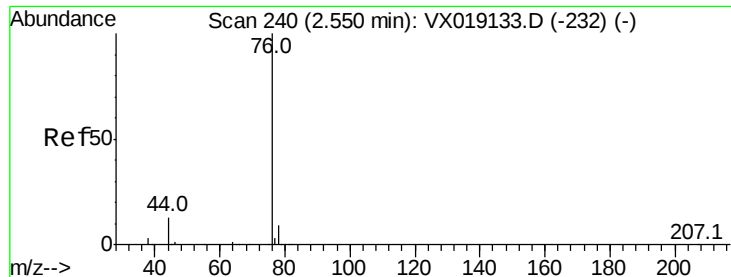
Tgt Ion: 43 Resp: 12691

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5

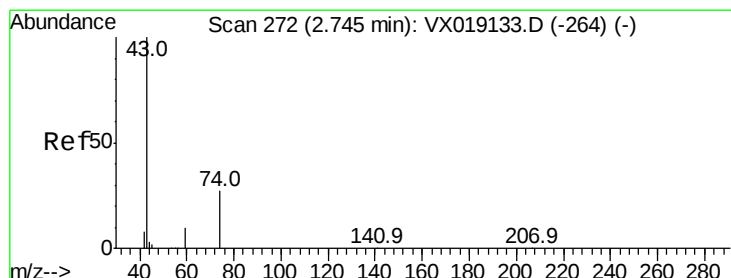
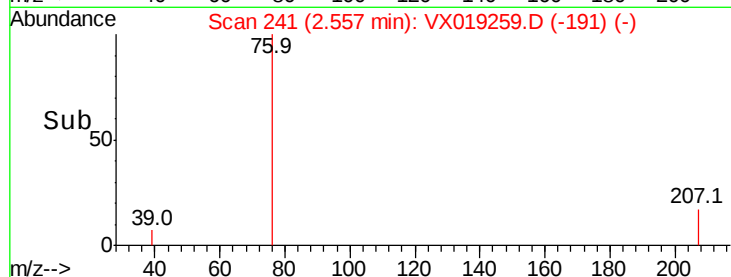
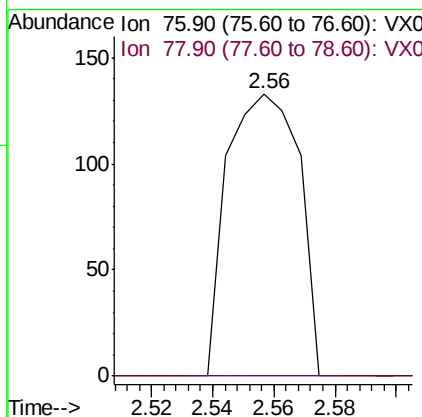
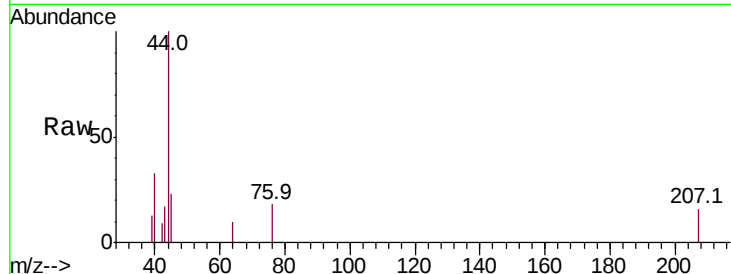




#17
Carbon Disulfide
Concen: 0.784 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

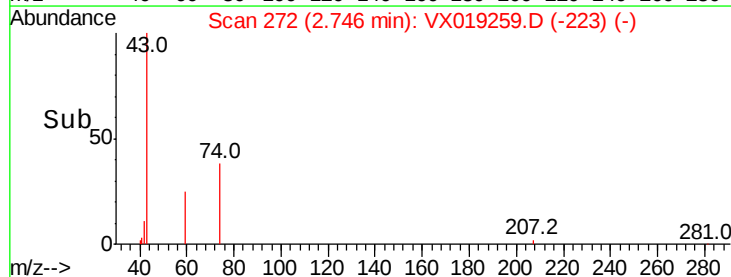
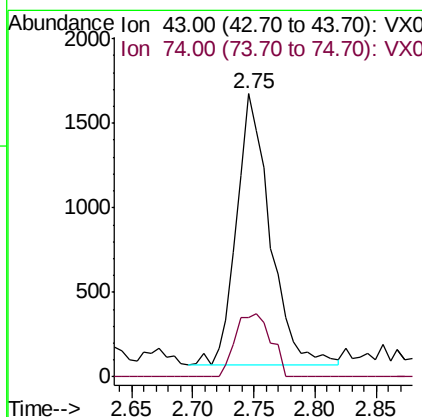
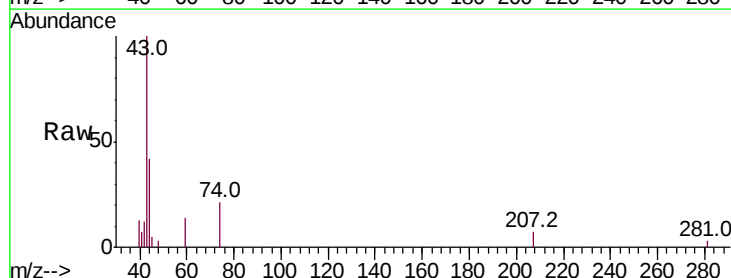
Instrument :
MSVOA_X
ClientSampled :
CRT-6

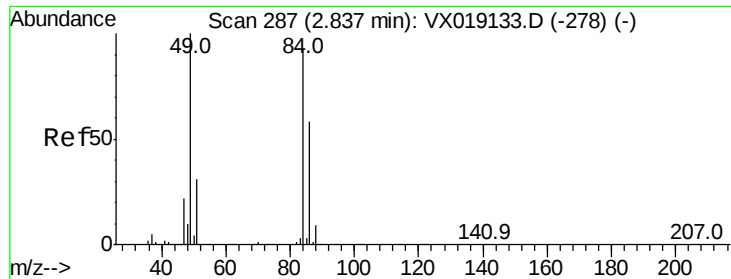
Tot Ion: 76 Resp: 216
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.898 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
74 24.4 22.6 33.8

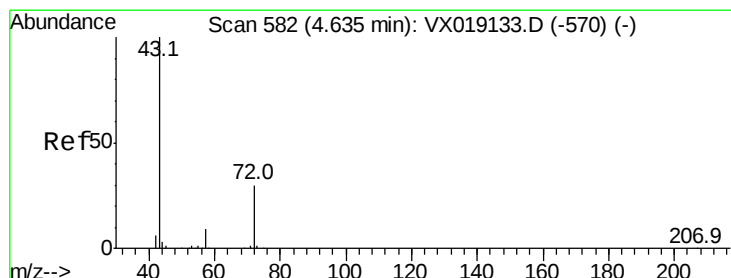
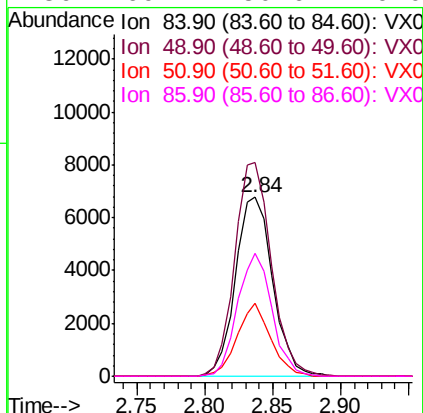
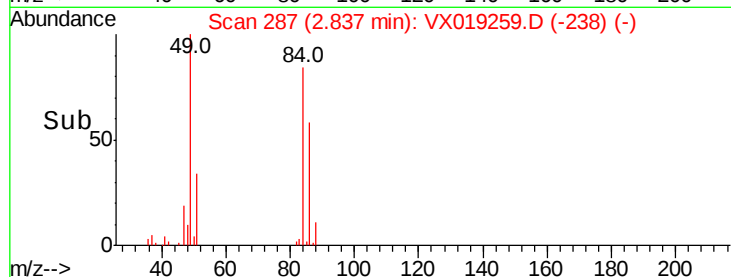
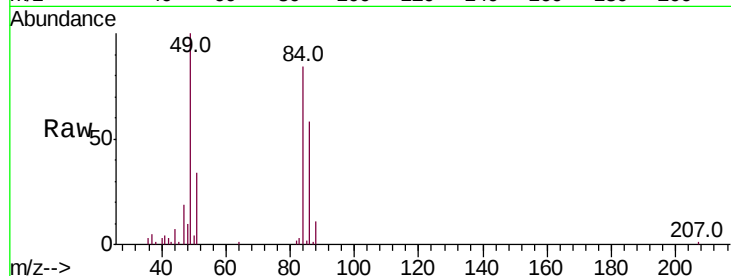




#20
Methvlene Chloride
Concen: 3.666 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

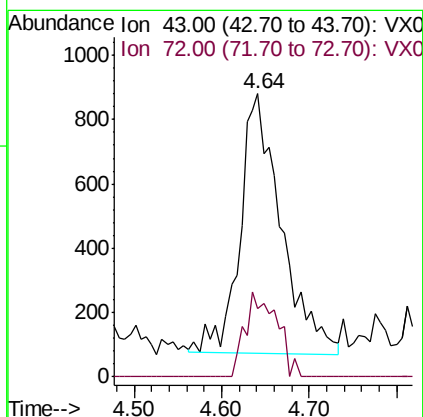
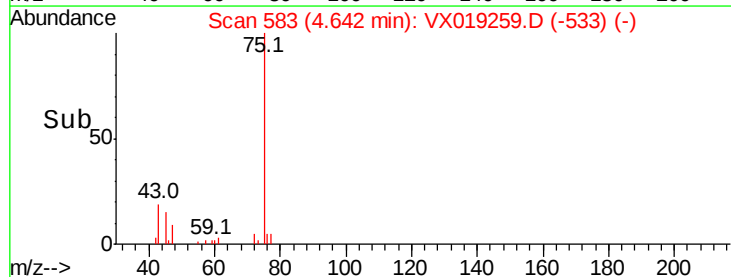
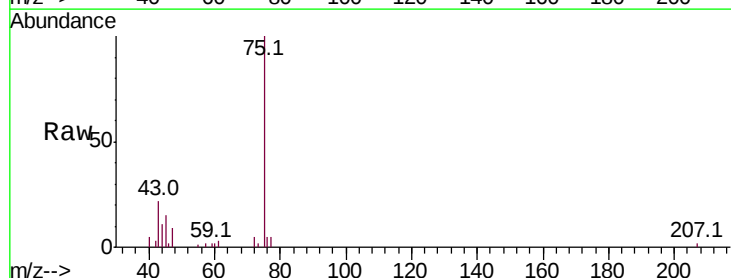
Instrument :
MSVOA_X
ClientSampled :
CRT-6

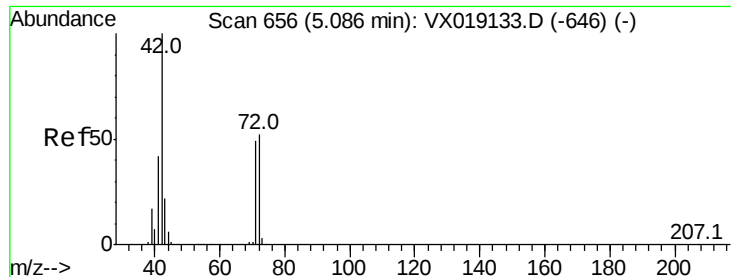
Tot Ion: 84 Resp: 12979
Ion Ratio Lower Upper
84 100
49 119.5 86.8 130.2
51 41.0 27.3 40.9#
86 69.1 50.6 76.0



#25
2-Butanone
Concen: 1.190 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
72 27.0 24.6 36.8





#29

Tetrahydrofuran

Concen: 1.166 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

Instrument :

MSVOA_X

ClientSampleId :

CRT-6

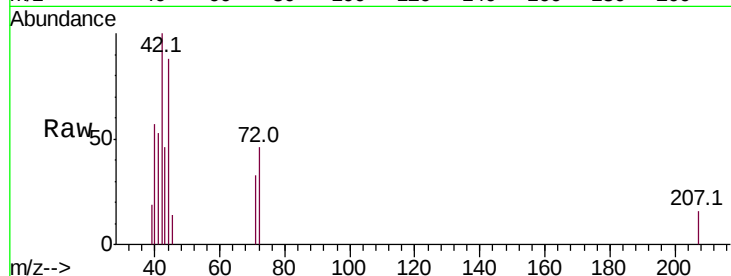
Tot Ion: 42 Resp: 1633

Ion Ratio Lower Upper

42 100

72 44.4 42.6 63.8

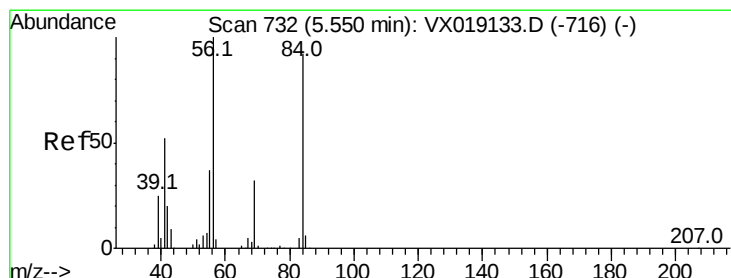
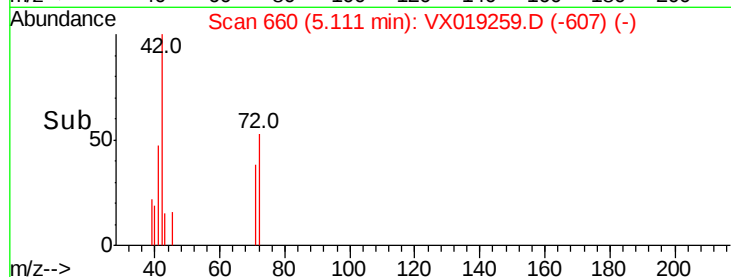
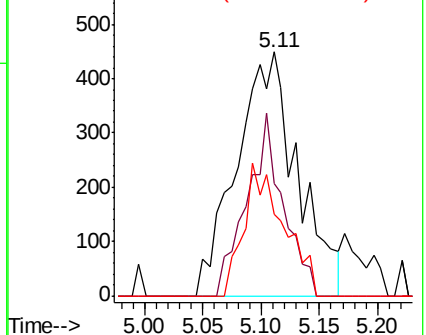
71 35.5 39.7 59.5#



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: 1.331 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

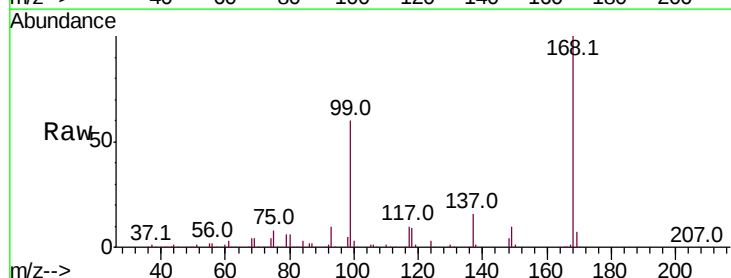
Tgt Ion: 56 Resp: 6879

Ion Ratio Lower Upper

56 100

69 178.6 25.9 38.9#

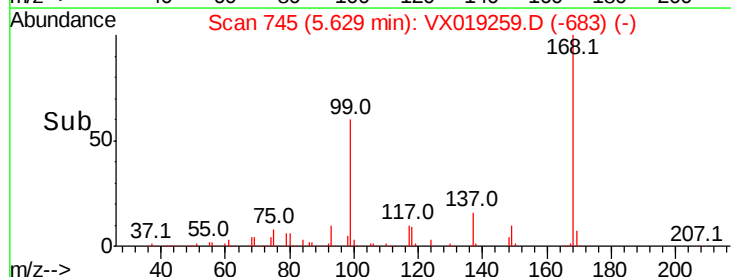
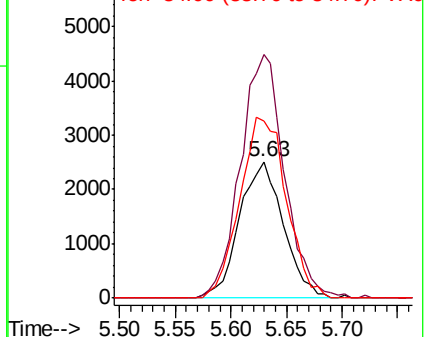
84 129.7 73.4 110.2#

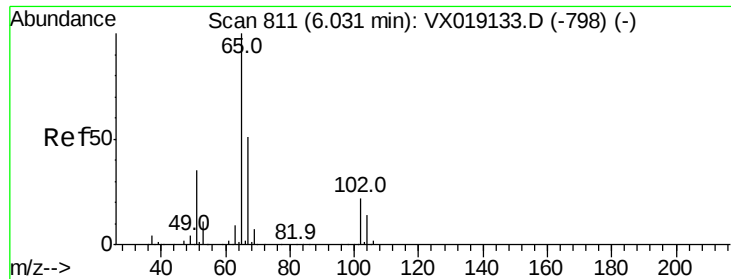


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.049 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

Instrument :

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ClientSampleId :

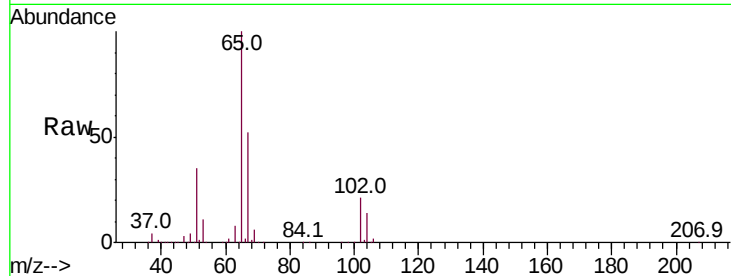
CRT-6

Tot Ion: 65 Resp: 216841

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

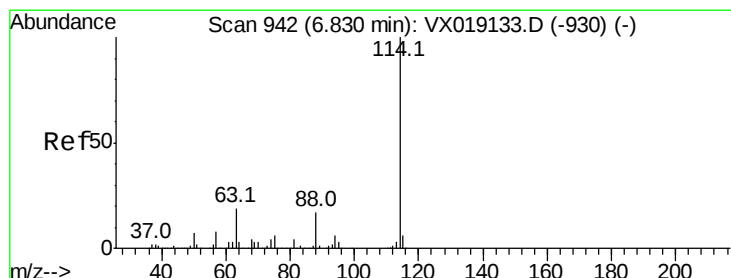
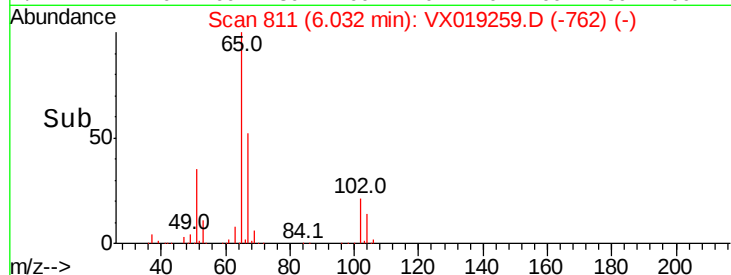
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

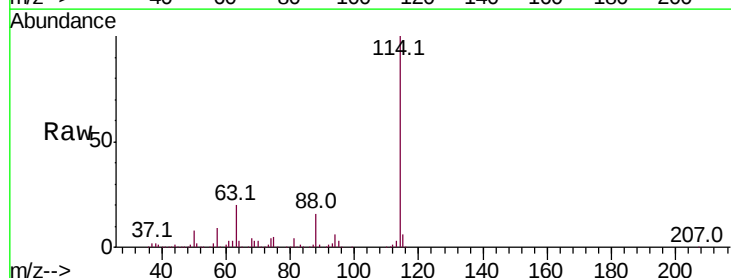
Tgt Ion: 114 Resp: 553635

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

88 16.1 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

300000

250000

200000

150000

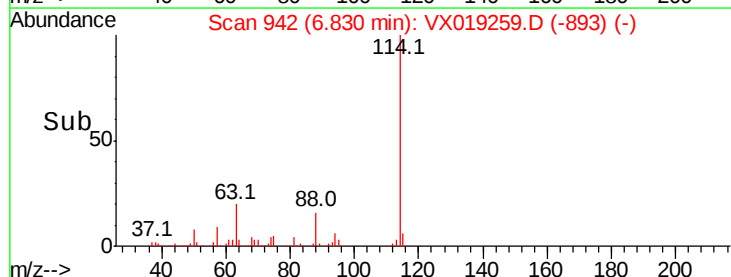
100000

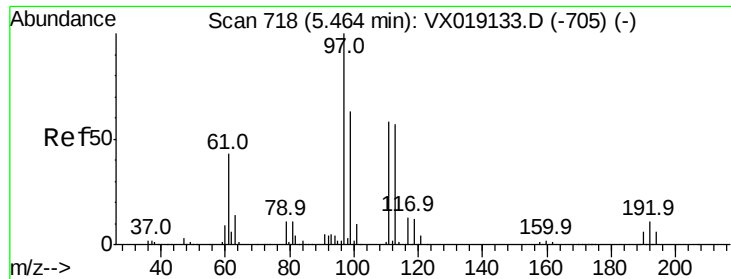
50000

0

6.80 7.00

Time-->

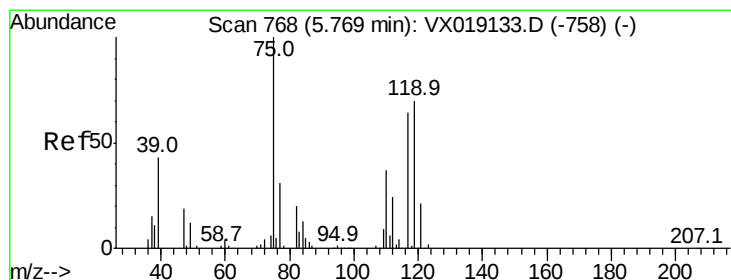
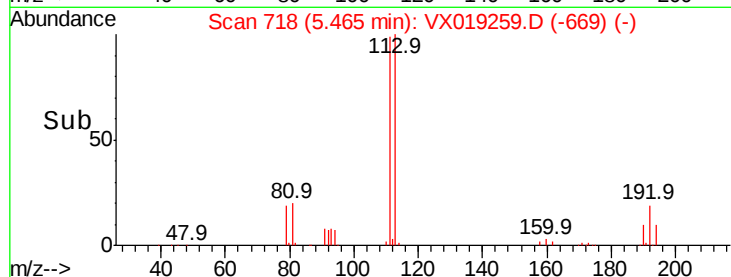
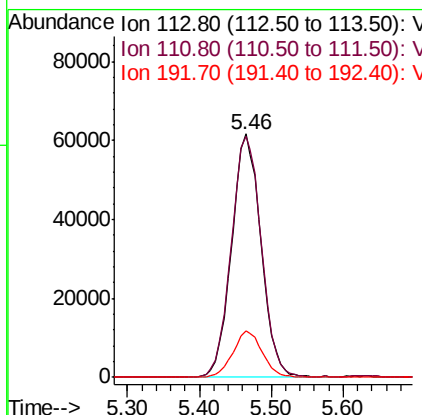
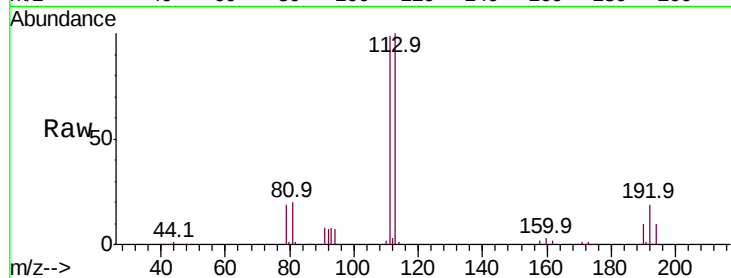




#35
 Dibromofluoromethane
 Concen: 50.340 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

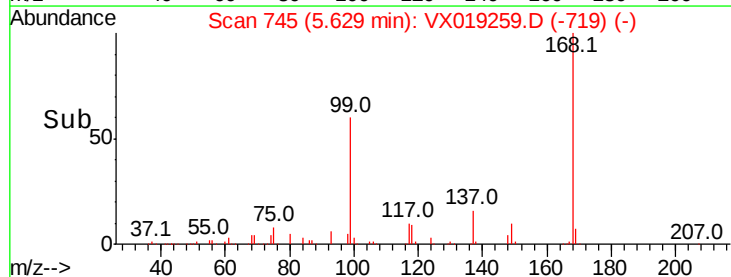
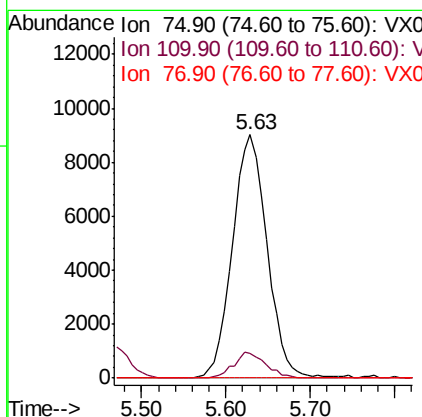
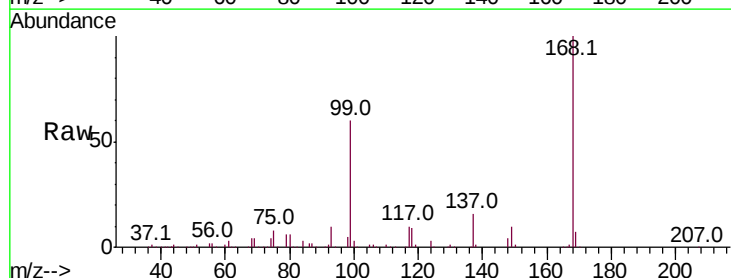
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

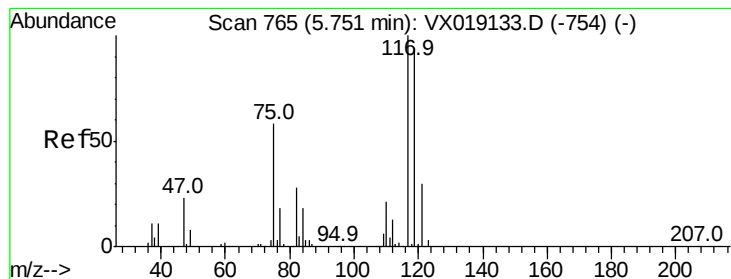
Tot Ion:113 Resp: 175062
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.3 123.5
 192 18.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

Tgt Ion: 75 Resp: 25089
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.156 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

Instrument :

MSVOA_X

ClientSampled :

CRT-6

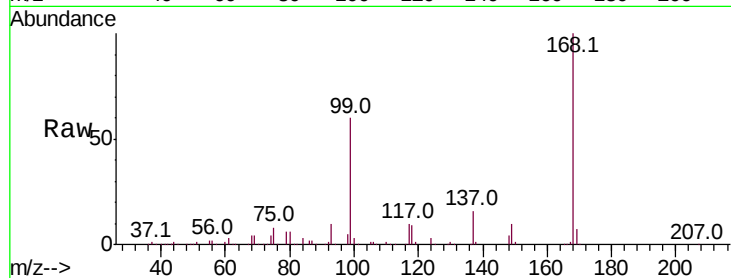
Tot Ion:117 Resp: 32079

Ion Ratio Lower Upper

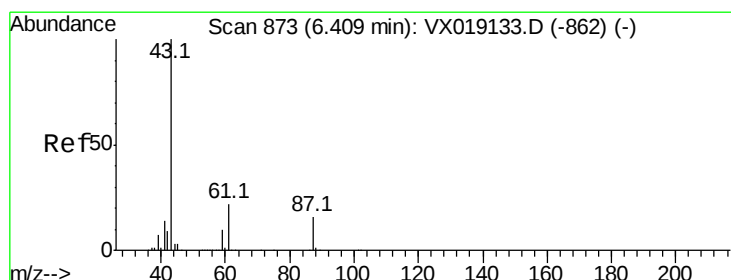
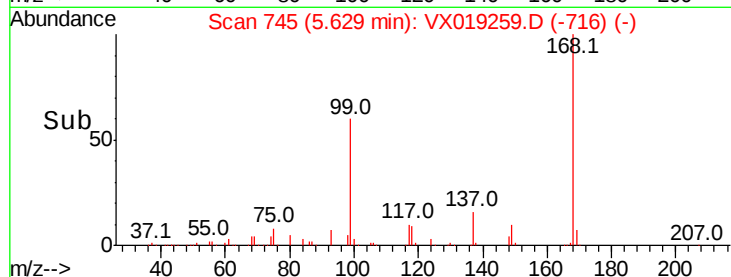
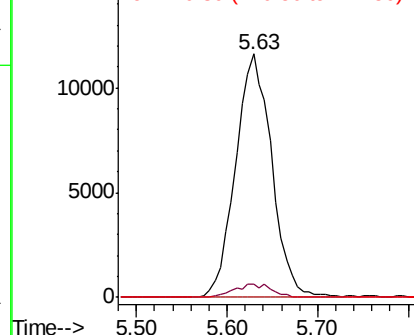
117 100

119 5.6 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: 9.054 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019259.D

Acq: 04 Nov 2020 01:15

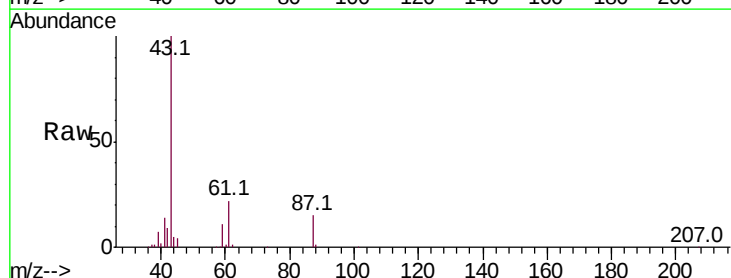
Tgt Ion: 43 Resp: 71962

Ion Ratio Lower Upper

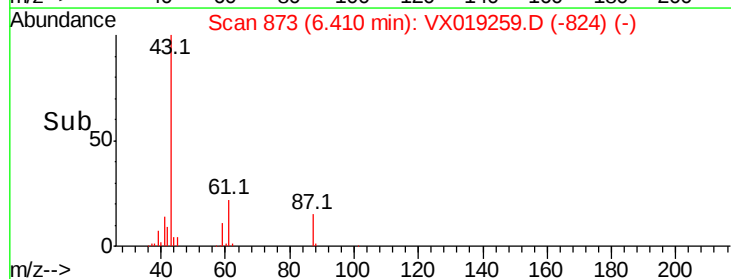
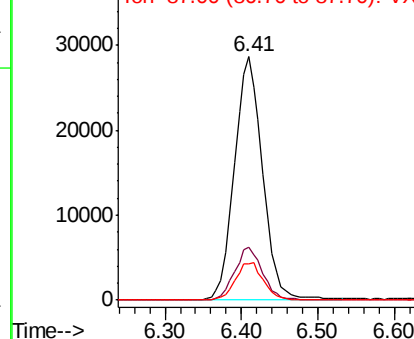
43 100

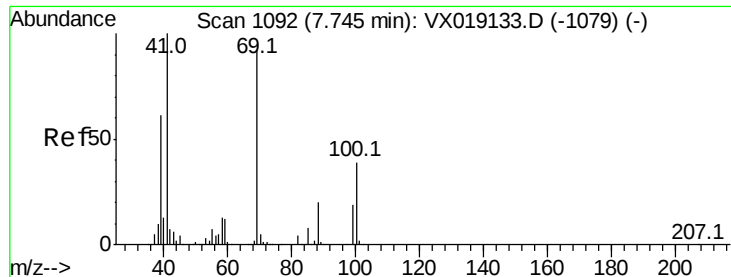
61 21.6 17.8 26.6

87 15.4 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

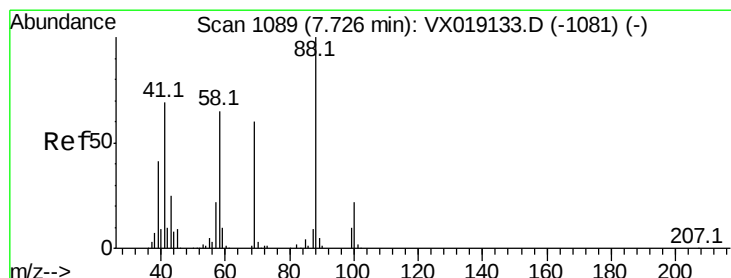
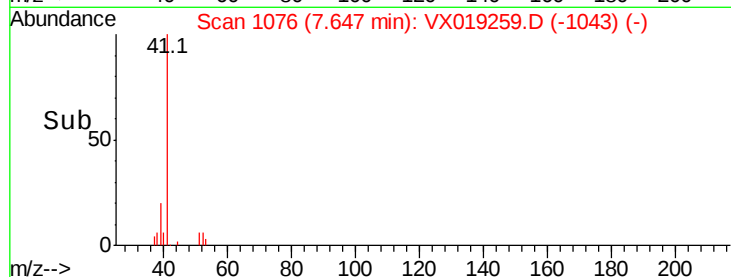
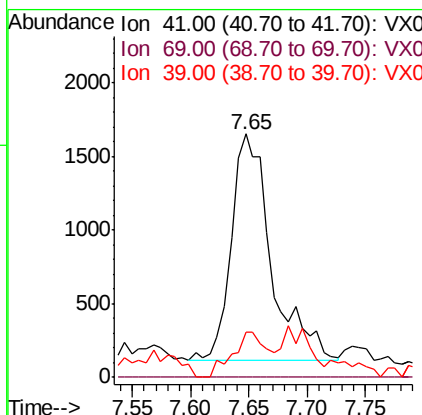
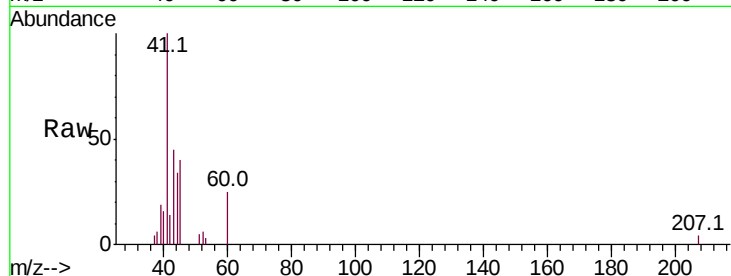




#48
Methvl methacrylate
Concen: 0.954 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

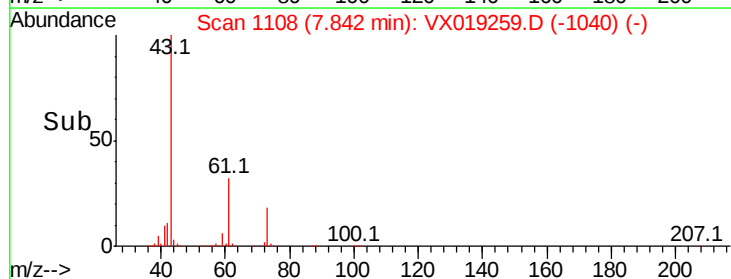
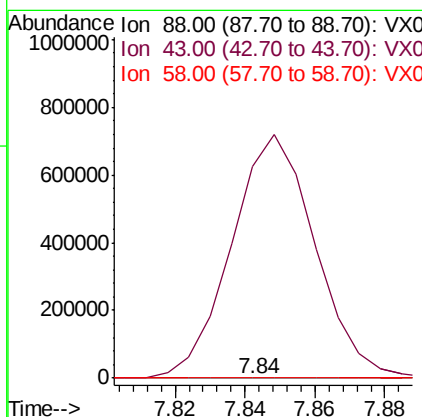
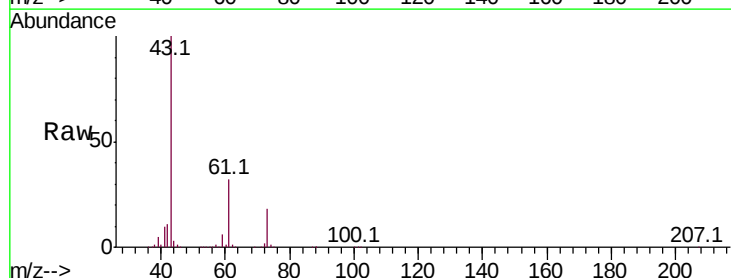
Instrument :
MSVOA_X
ClientSampled :
CRT-6

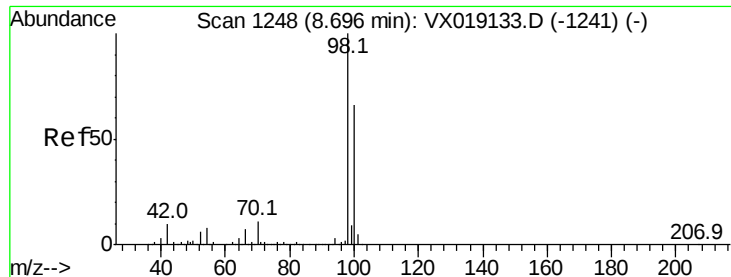
Tot Ion: 41 Resp: 3651
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 2.633 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.12 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 540571.0 23.0 34.6#
58 2527.7 52.2 78.2#

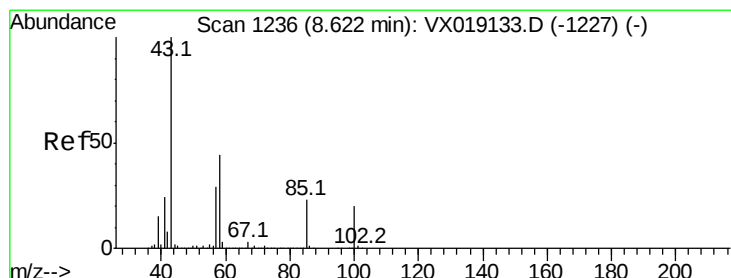
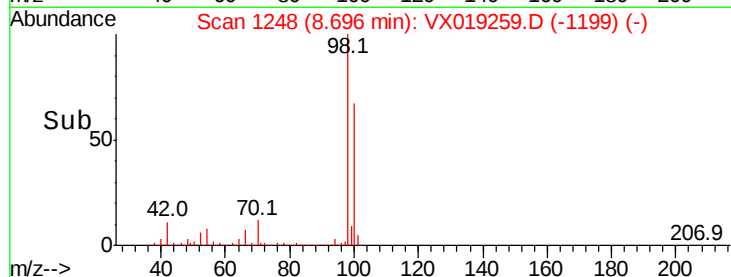
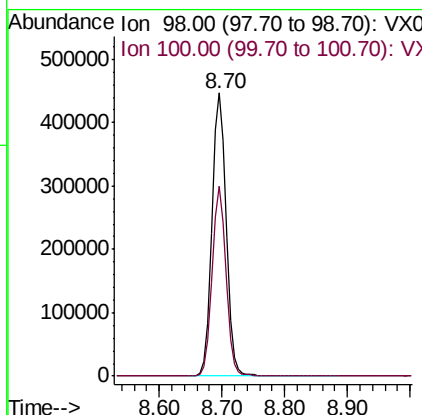
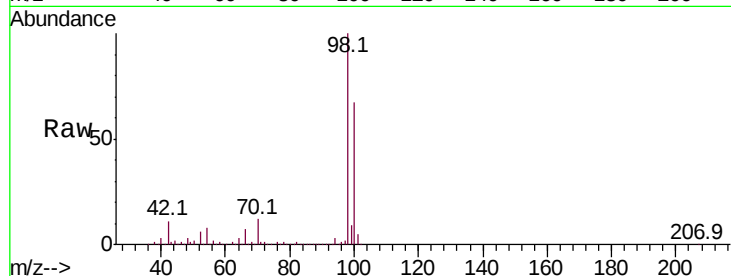




#50
Toluene-d8
Concen: 53.496 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

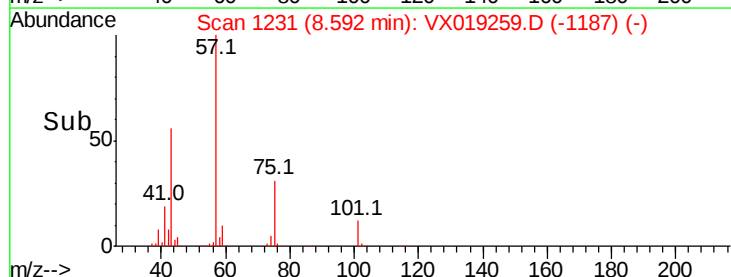
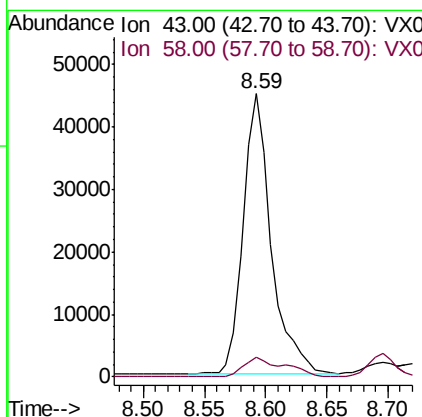
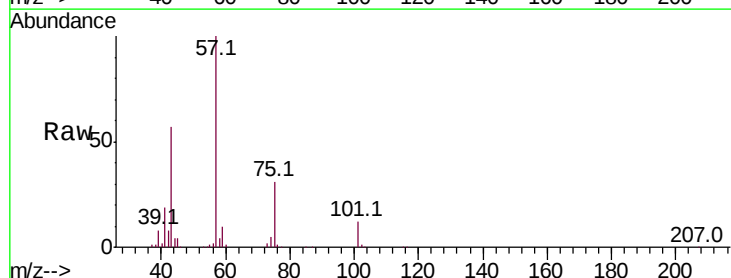
Instrument :
MSVOA_X
ClientSampleId :
CRT-6

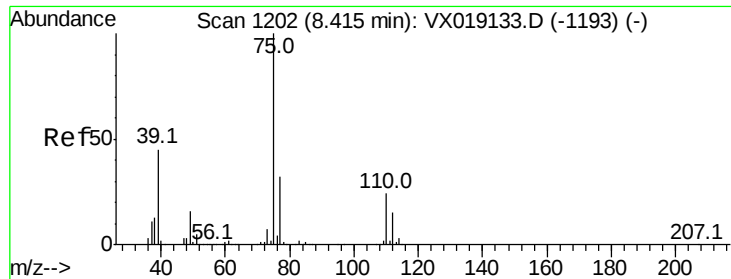
Tot Ion: 98 Resp: 701294
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 15.643 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion: 43 Resp: 71458
Ion Ratio Lower Upper
43 100
58 10.0 35.0 52.4#



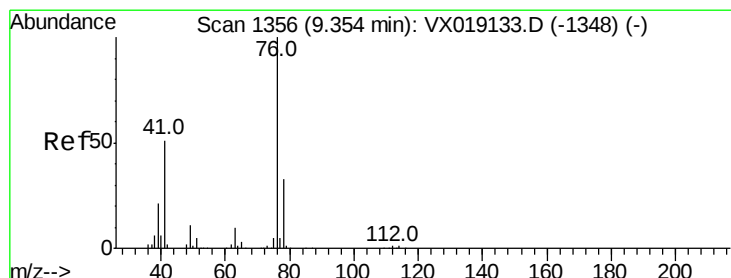
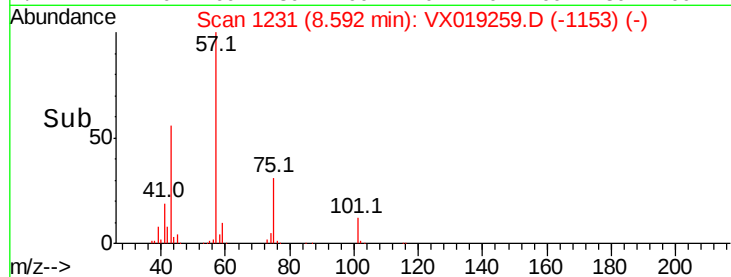
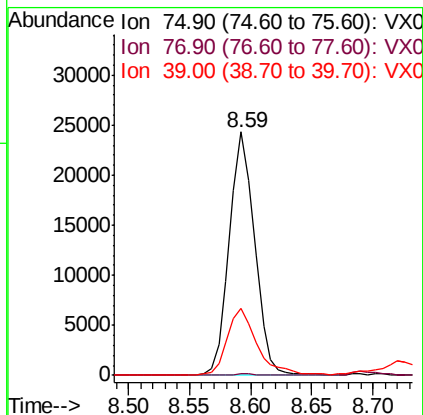
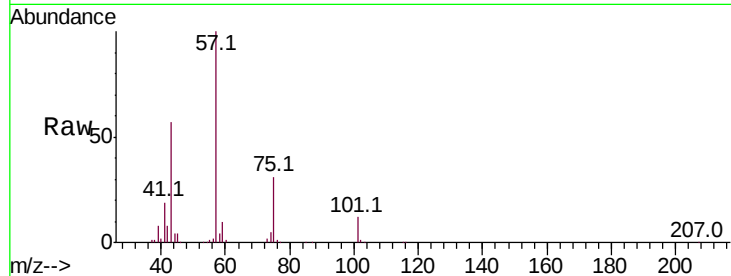


#54

cis-1,3-Dichloropropene
 Concen: 5.644 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

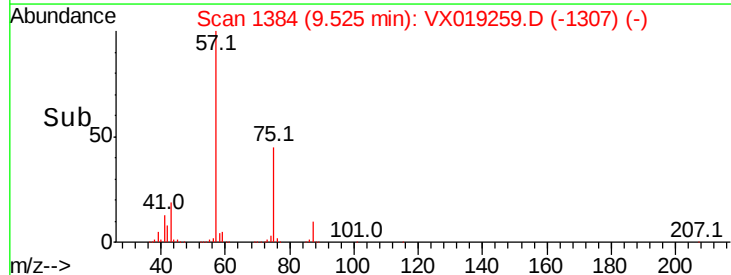
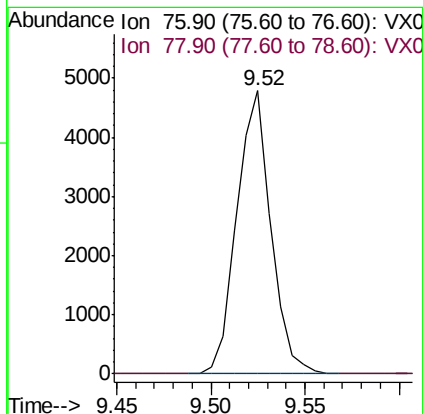
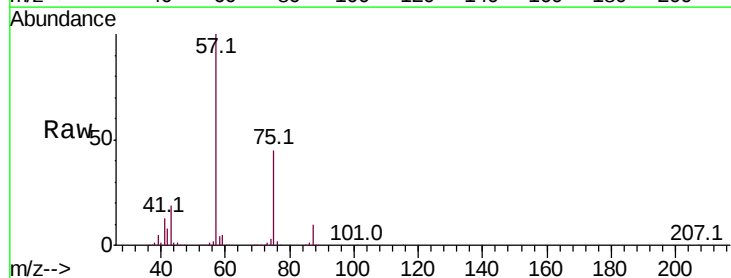
Tot Ion: 75 Resp: 35079
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 27.5 36.2 54.2#

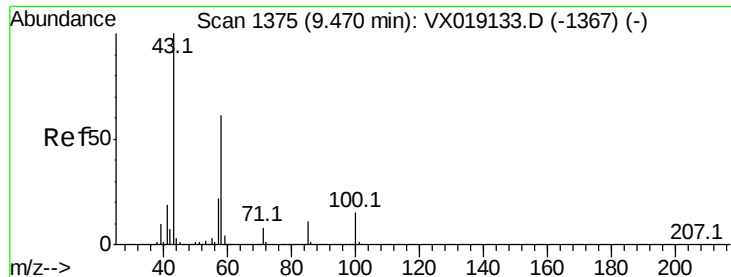


#57

1,3-Dichloropropane
 Concen: 0.965 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

Tgt Ion: 76 Resp: 6001
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

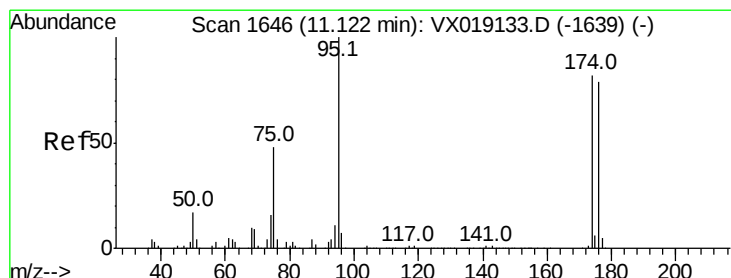
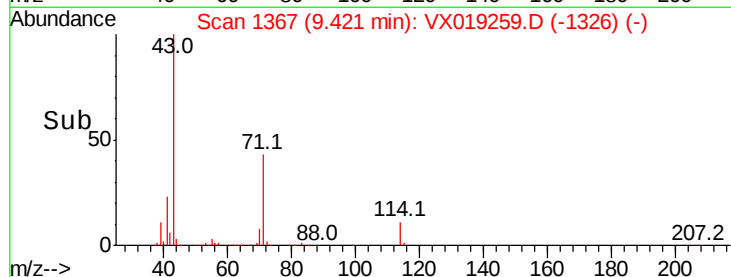
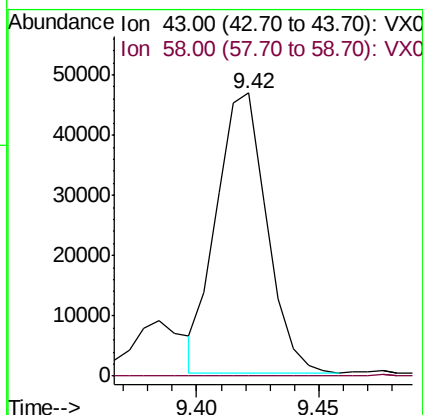
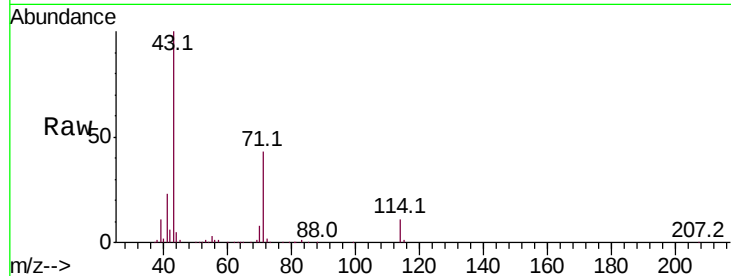




#59
2-Hexanone
Concen: 19.056 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

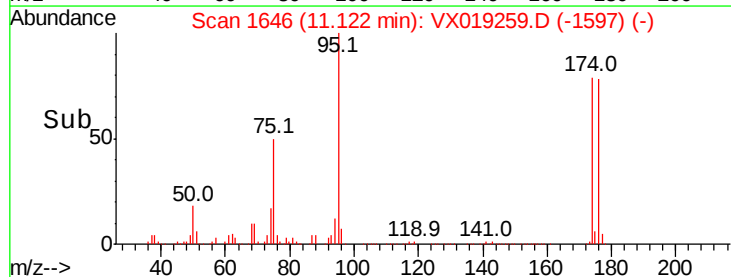
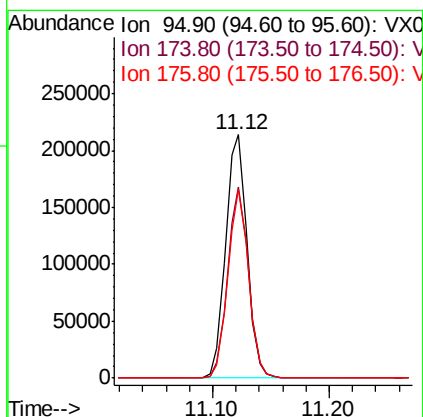
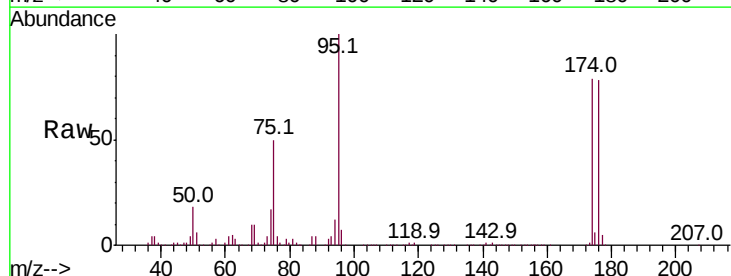
Instrument :
MSVOA_X
ClientSampled :
CRT-6

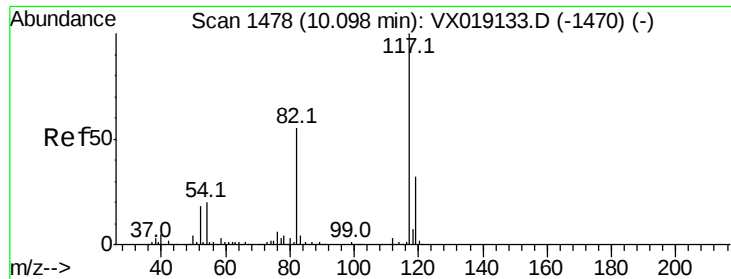
Tot Ion: 43 Resp: 66263
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 54.796 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion: 95 Resp: 272040
Ion Ratio Lower Upper
95 100
174 76.8 0.0 156.0
176 74.8 0.0 149.8

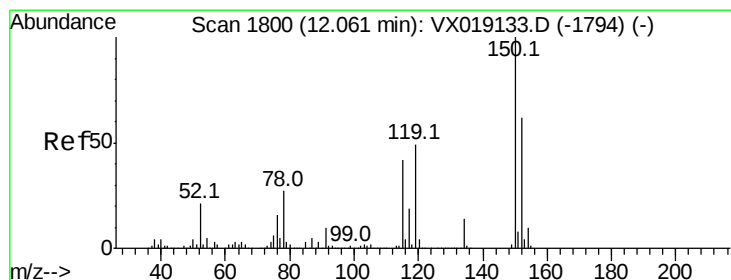
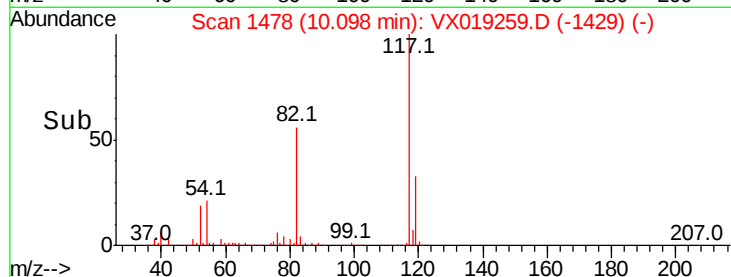
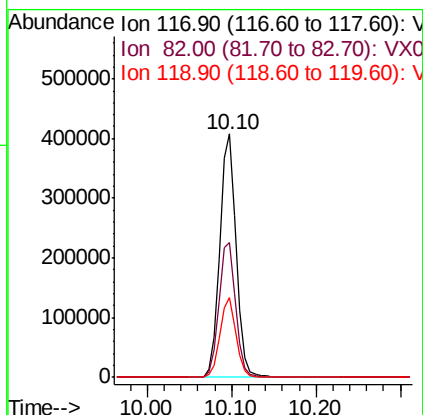
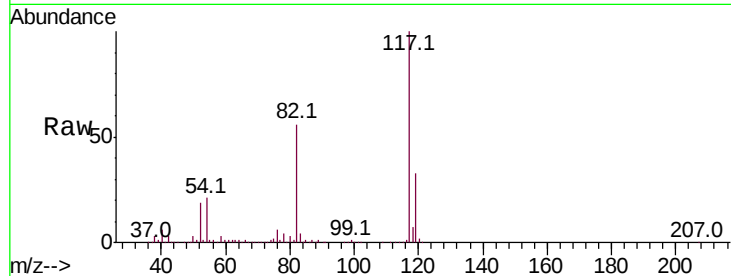




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

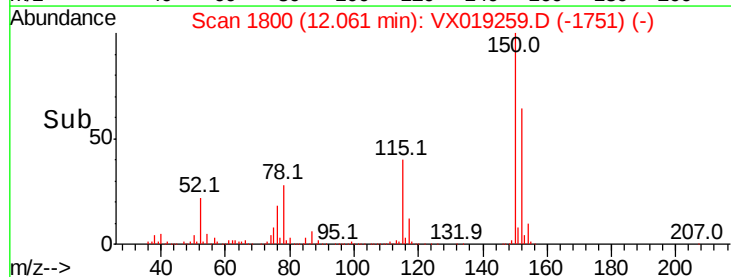
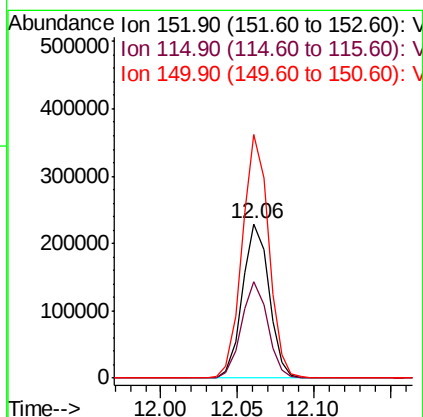
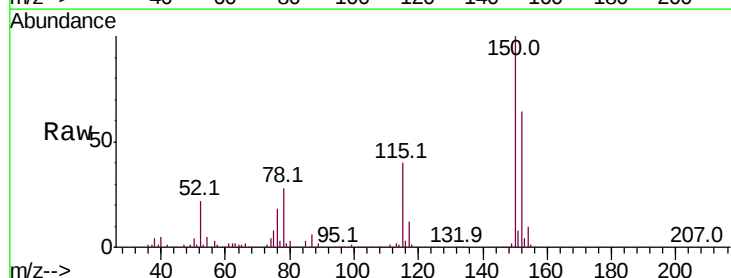
Instrument :
MSVOA_X
ClientSampled :
CRT-6

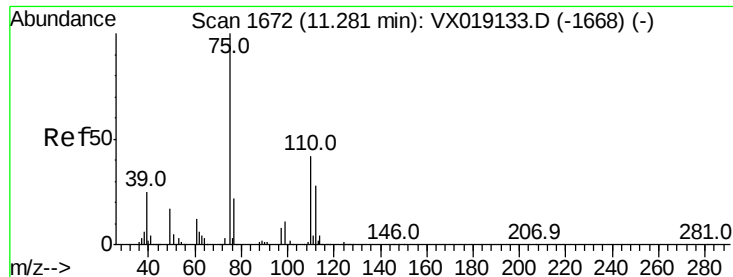
Tot Ion:117 Resp: 546553
Ion Ratio Lower Upper
117 100
82 55.6 43.6 65.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019259.D
Acq: 04 Nov 2020 01:15

Tgt Ion:152 Resp: 276992
Ion Ratio Lower Upper
152 100
115 61.3 41.9 125.7
150 157.5 0.0 347.8

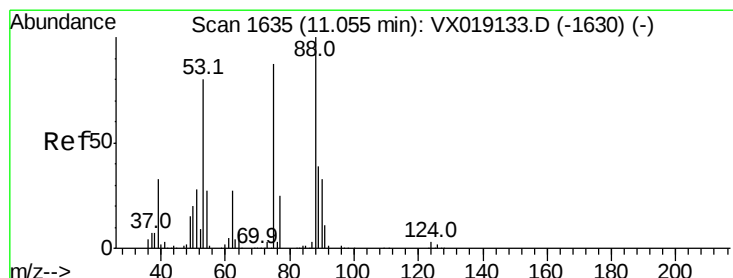
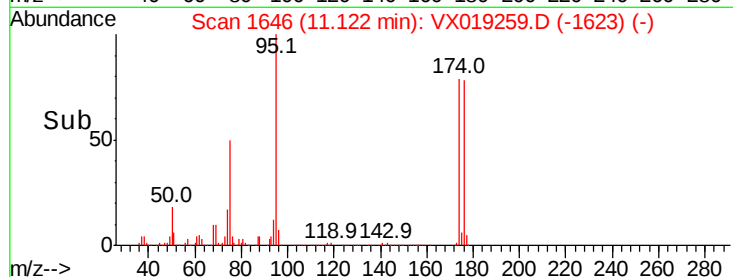
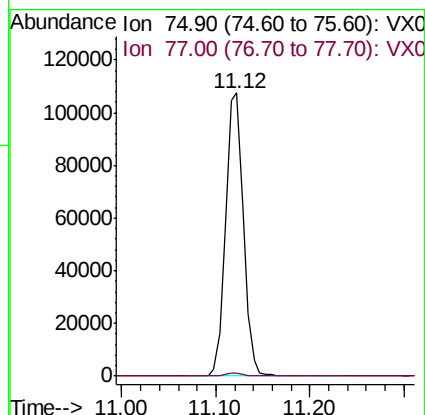
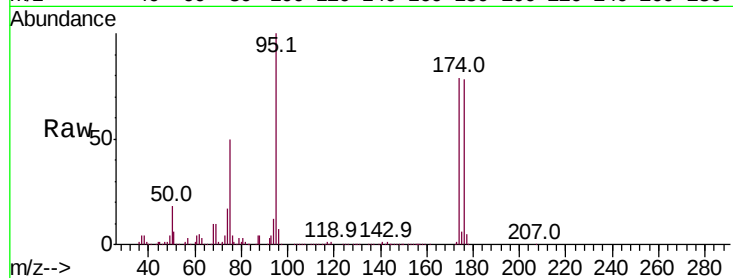




#76
 1,2,3-Trichloropropane
 Concen: 24.487 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

Instrument :
 MSVOA_X
 ClientSampled :
 CRT-6

Tot Ion: 75 Resp: 140051
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.475 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019259.D
 Acq: 04 Nov 2020 01:15

Tgt Ion: 75 Resp: 140051
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

