

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019249.D
 Acq On : 03 Nov 2020 21:31
 Operator : JC/MD
 Sample : L4605-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-01

Quant Time: Nov 04 02:25:35 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	320205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	569488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	561466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	293394	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	217604	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	5.46	113	174104	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.70	98	728203	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
62) 4-Bromofluorobenzene	11.12	95	280290	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	

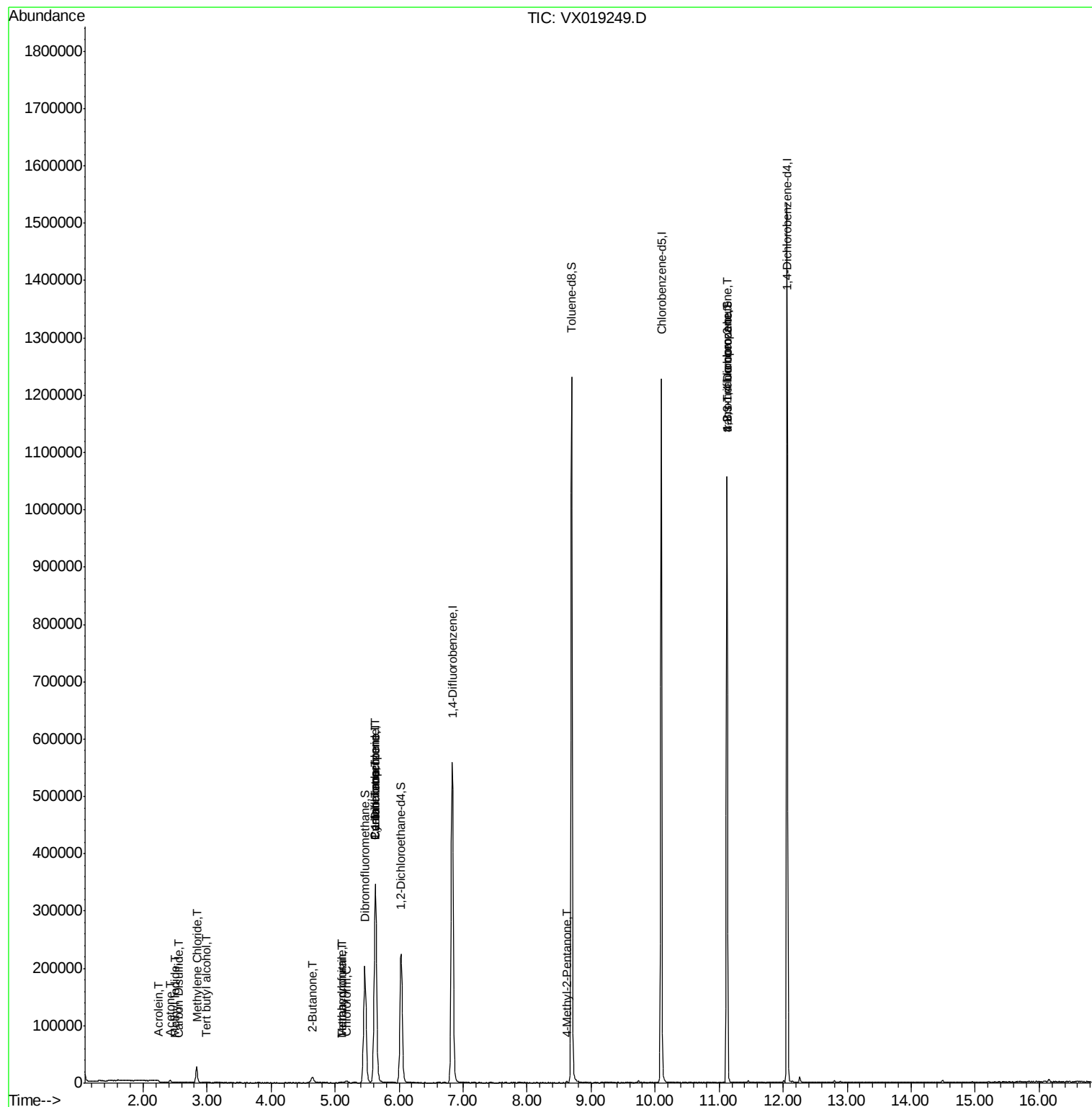
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	20	6.383	ug/l #	39
11) Tert butyl alcohol	2.99	59	1119	1.372	ug/l #	72
13) Acrolein	2.23	56	64	5.819	ug/l #	1
16) Acetone	2.42	43	4571	3.209	ug/l	92
17) Carbon Disulfide	2.55	76	352	0.799	ug/l #	75
20) Methylene Chloride	2.84	84	13073	3.655	ug/l	98
25) 2-Butanone	4.65	43	1225	0.546	ug/l	94
29) Tetrahydrofuran	5.10	42	1262	0.892	ug/l #	68
30) Chloroform	5.17	83	3287	0.528	ug/l	97
31) Cyclohexane	5.63	56	6876	1.317	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	27100	5.153	ug/l #	49
38) Carbon Tetrachloride	5.63	117	34137	6.368	ug/l #	17
41) Methacrylonitrile	5.11	41	809	0.308	ug/l #	19
51) 4-Methyl-2-Pentanone	8.62	43	1227	0.261	ug/l #	79
76) 1,2,3-Trichloropropane	11.12	75	143749	23.729	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	143749	62.478	ug/l #	12

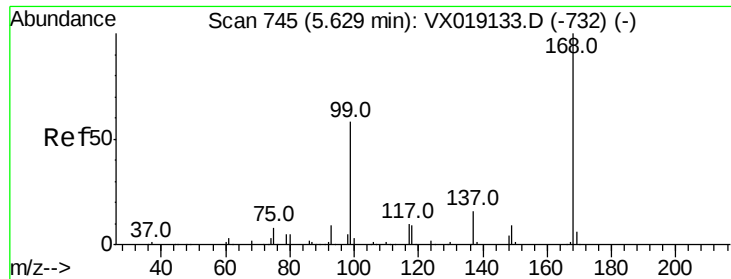
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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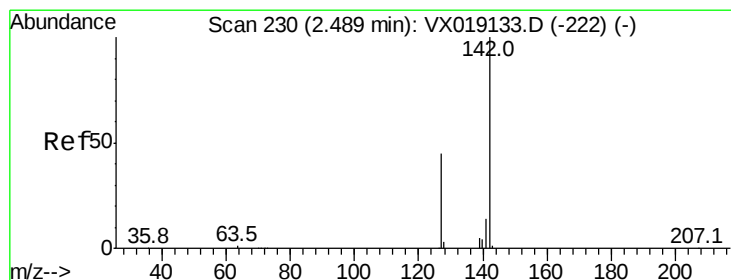
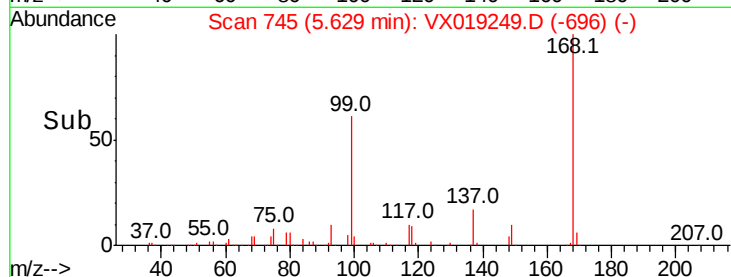
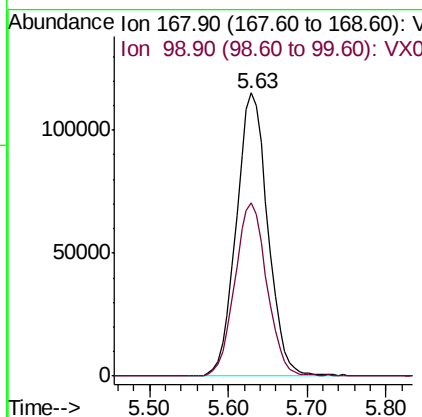
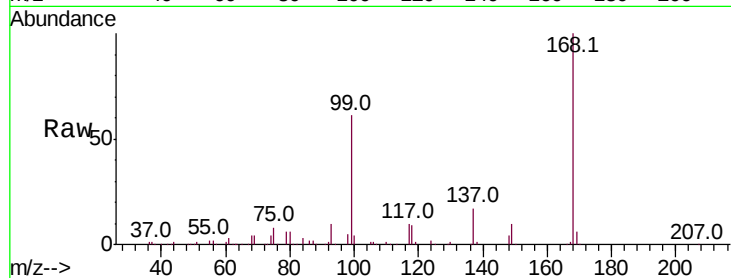




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.00 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

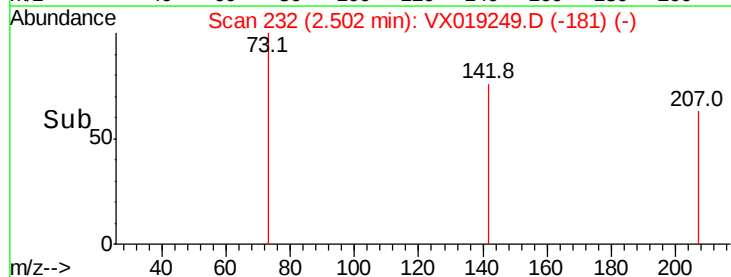
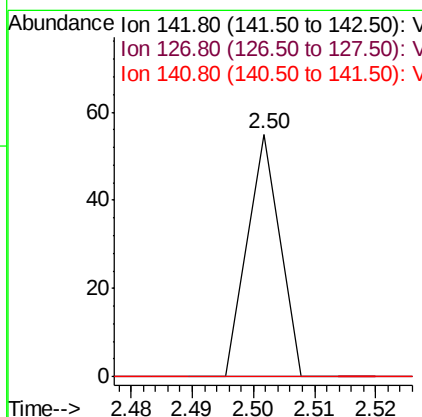
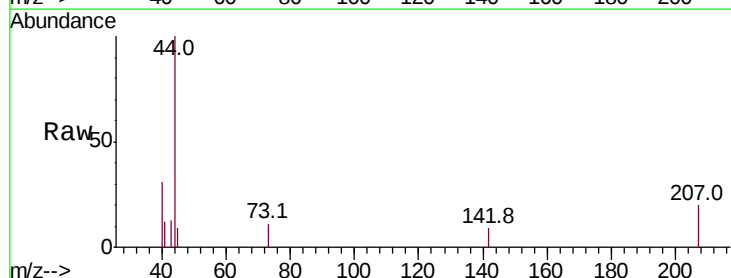
Instrument :
MSVOA_X
ClientSampled :
CRT-01

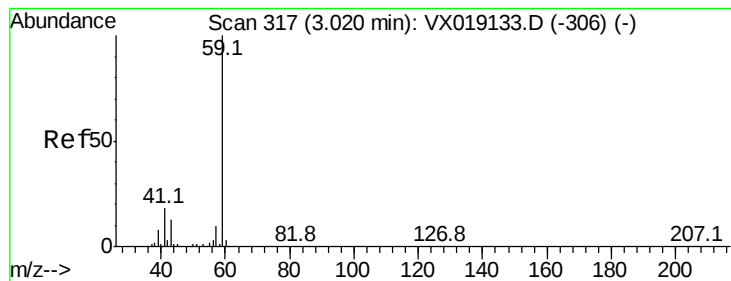
Tot Ion:168 Resp: 320205
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#10
Methyl Iodide
Concen: 6.383 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.3 16.9#



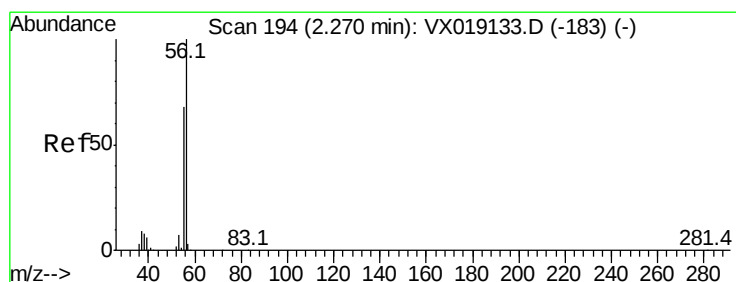
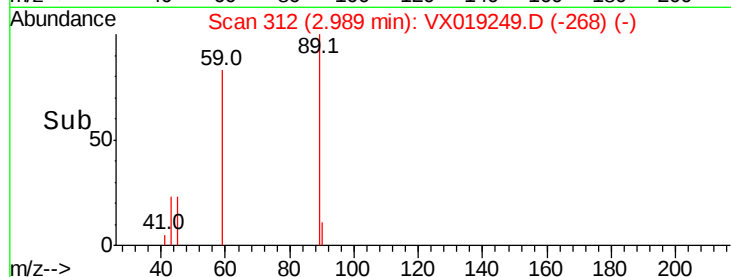
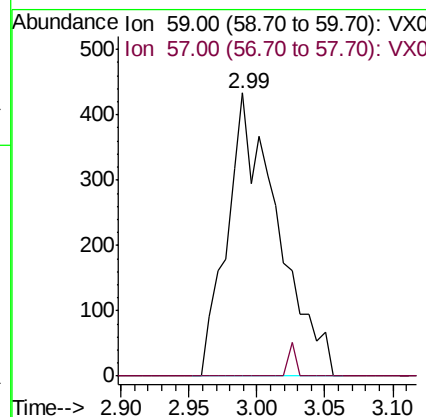
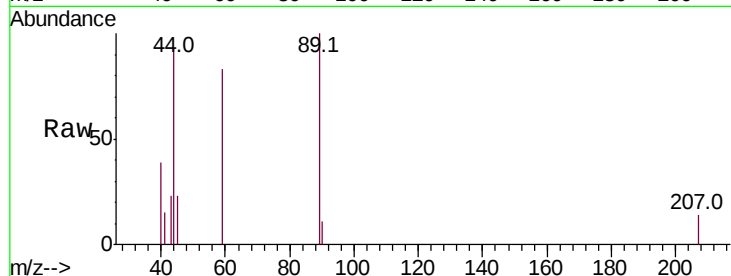


#11

Tert butyl alcohol
 Concen: 1.372 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

Instrument :
 MSVOA_X
 ClientSampled :
 CRT-01

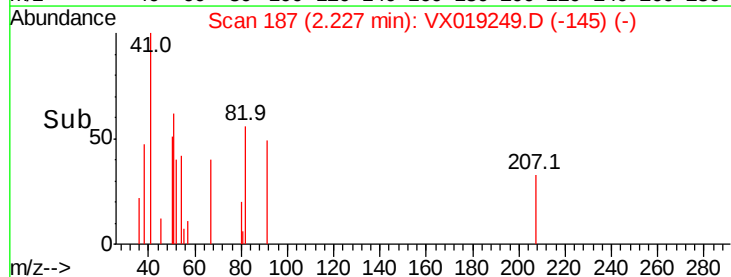
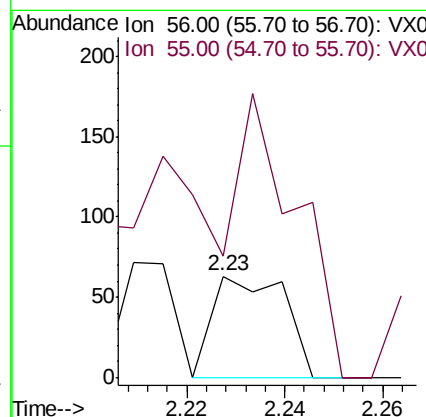
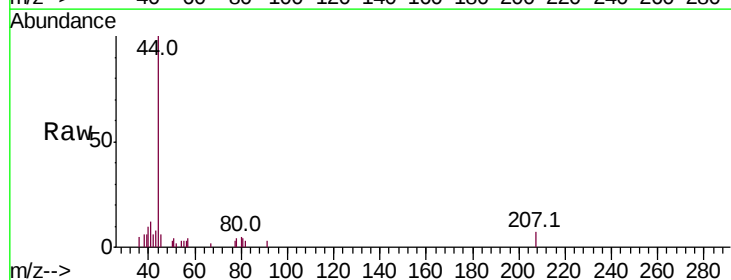
Tot Ion: 59 Resp: 1119
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

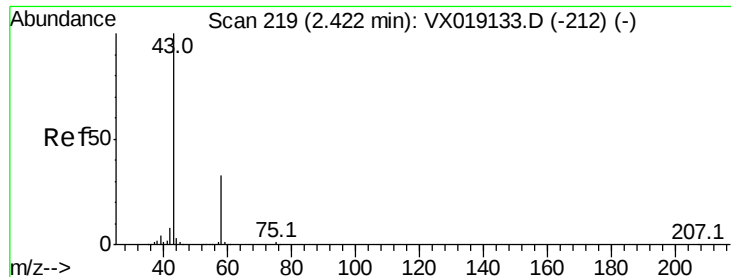


#13

Acrolein
 Concen: 5.819 ug/l
 RT: 2.23 min Scan# 187
 Delta R.T. -0.04 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 221.9 54.7 82.1#





#16

Acetone

Concen: 3.209 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019249.D

Acq: 03 Nov 2020 21:31

Instrument :

MSVOA_X

ClientSampleId :

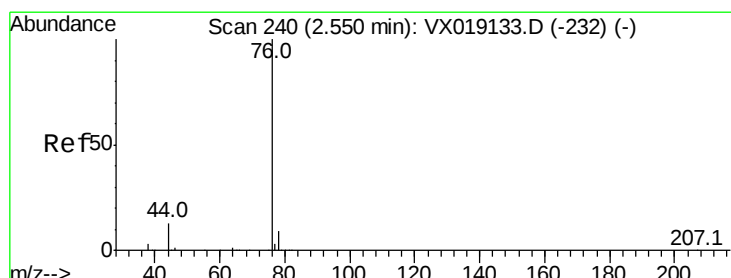
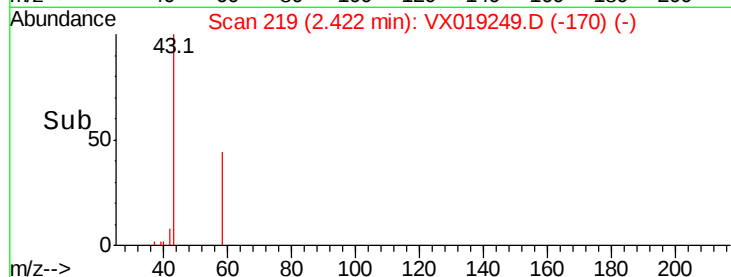
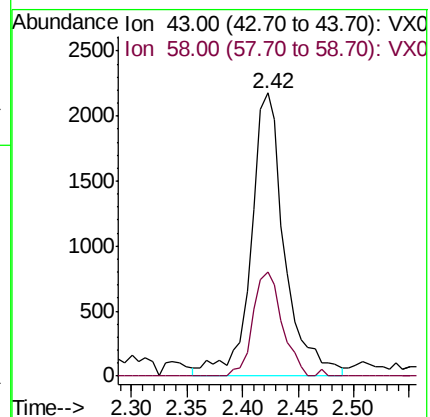
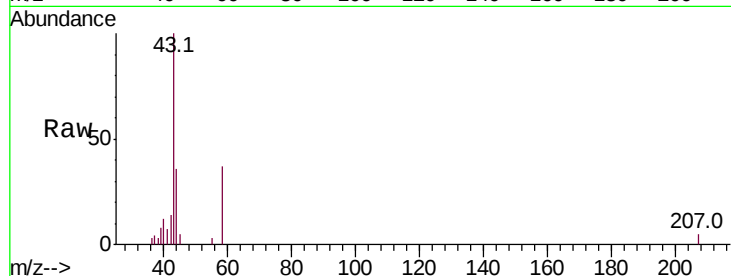
CRT-01

Tot Ion: 43 Resp: 4571

Ion Ratio Lower Upper

43 100

58 37.7 26.3 39.5



#17

Carbon Disulfide

Concen: 0.799 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019249.D

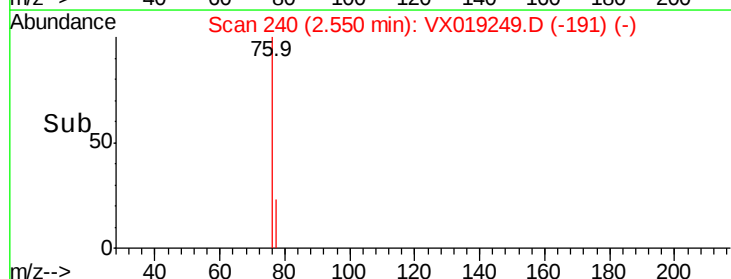
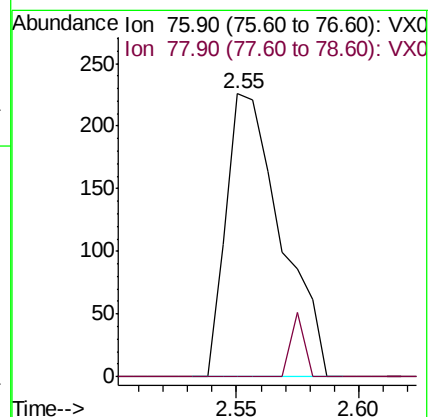
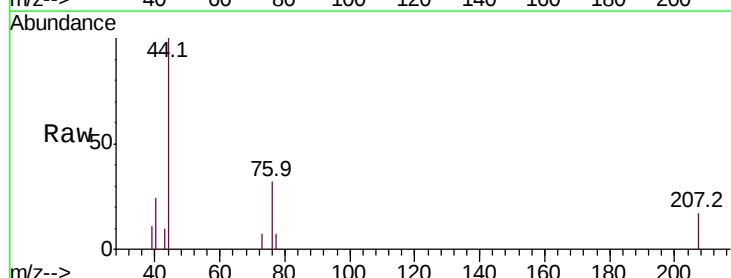
Acq: 03 Nov 2020 21:31

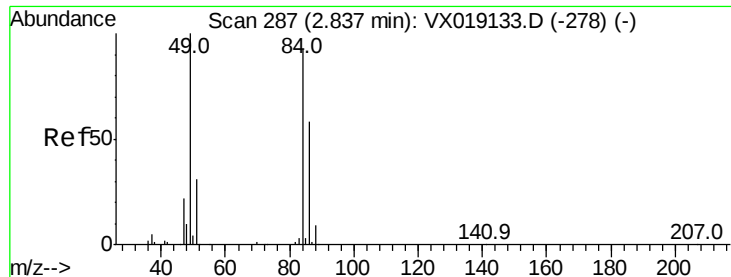
Tgt Ion: 76 Resp: 352

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

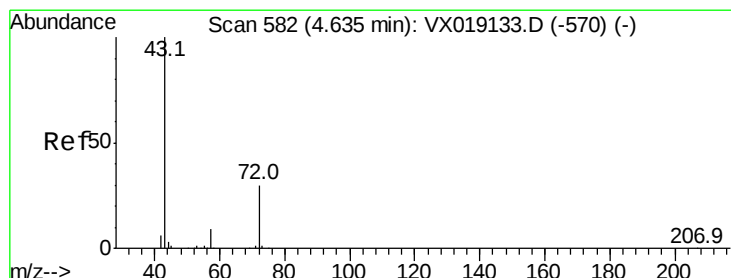
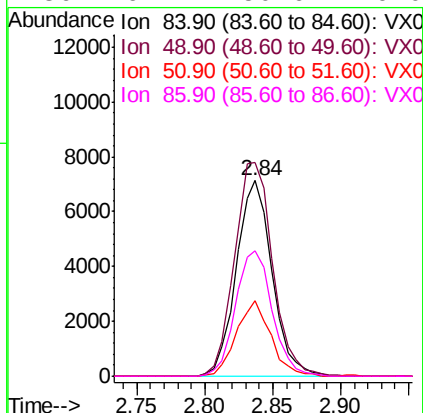
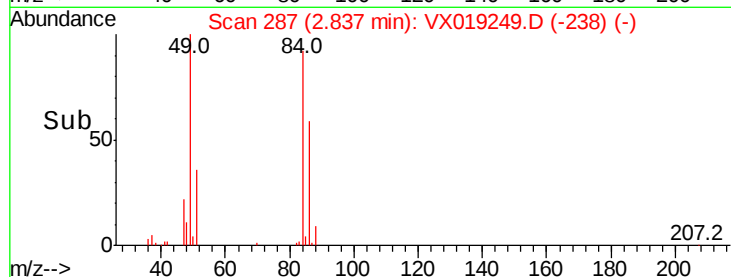
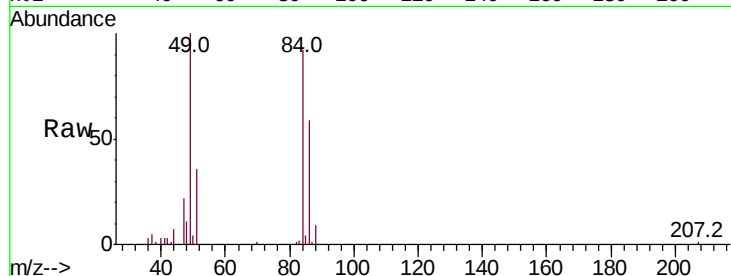




#20
Methvlene Chloride
Concen: 3.655 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

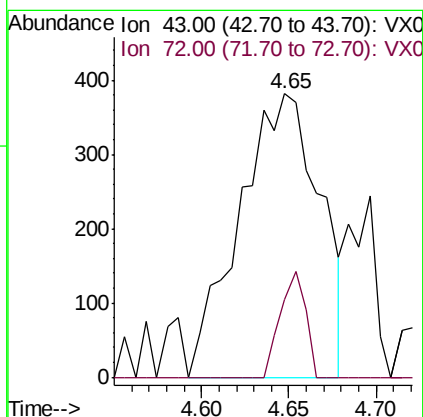
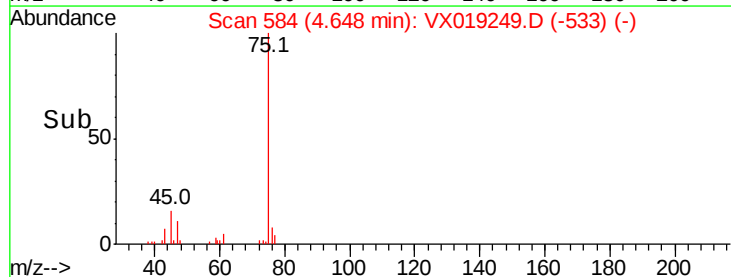
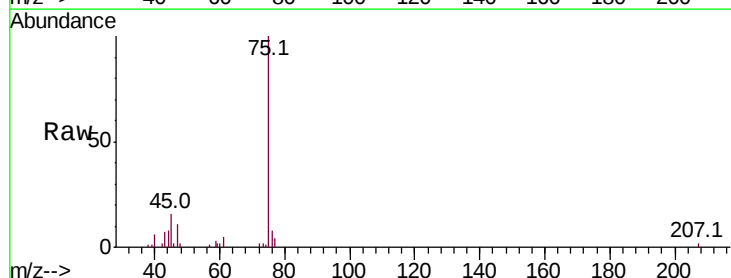
Instrument :
MSVOA_X
ClientSampleId :
CRT-01

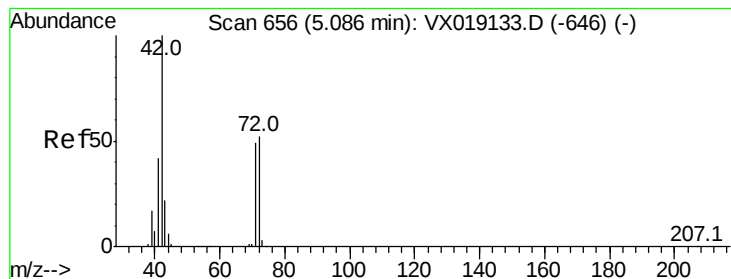
Tot Ion:	84	Resp:	13073
Ion	Ratio	Lower	Upper
84	100		
49	109.2	86.8	130.2
51	38.9	27.3	40.9
86	64.1	50.6	76.0



#25
2-Butanone
Concen: 0.546 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

Tgt Ion:	43	Resp:	1225
Ion	Ratio	Lower	Upper
43	100		
72	27.2	24.6	36.8





#29

Tetrahydrofuran

Concen: 0.892 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019249.D

Acq: 03 Nov 2020 21:31

Instrument :

MSVOA_X

ClientSampled :

CRT-01

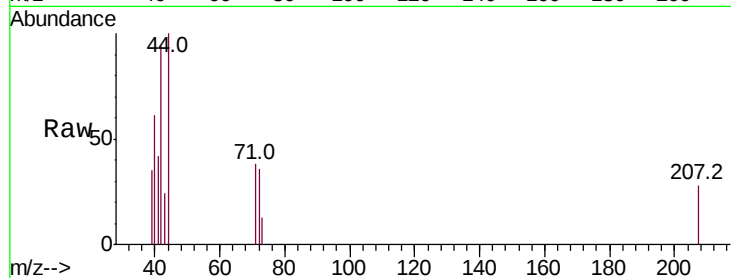
Tot Ion: 42 Resp: 1262

Ion Ratio Lower Upper

42 100

72 25.0 42.6 63.8#

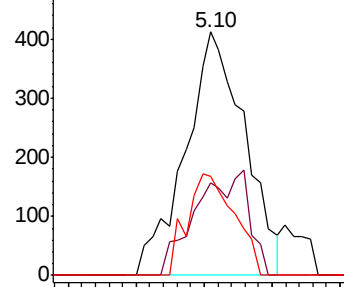
71 33.3 39.7 59.5#



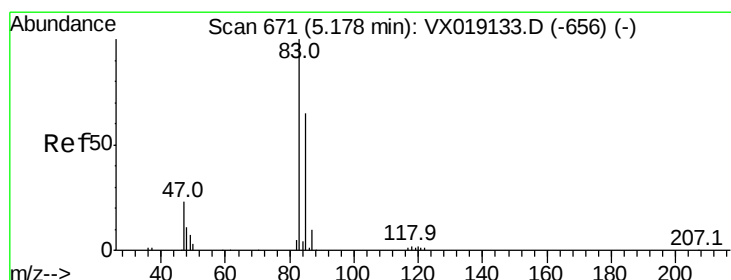
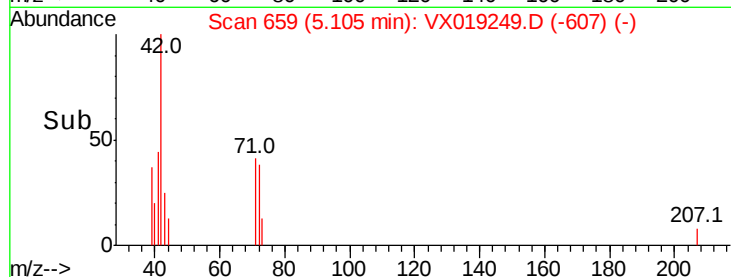
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#30

Chloroform

Concen: 0.528 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019249.D

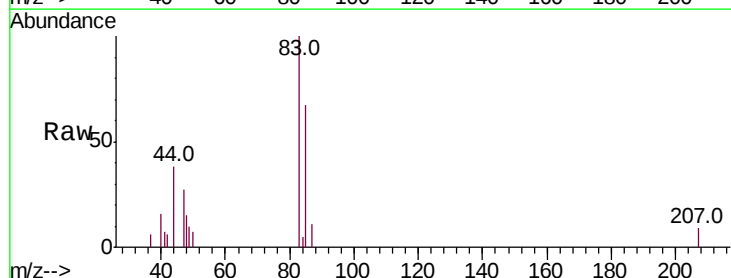
Acq: 03 Nov 2020 21:31

Tgt Ion: 83 Resp: 3287

Ion Ratio Lower Upper

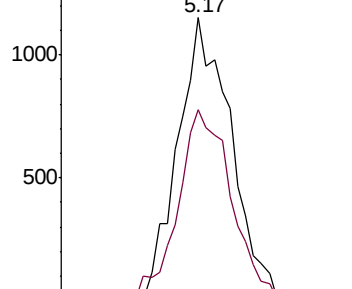
83 100

85 67.4 51.9 77.9

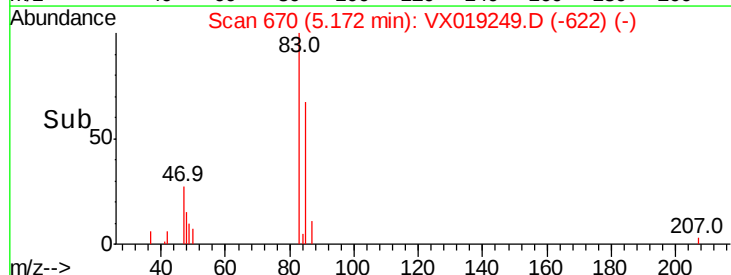


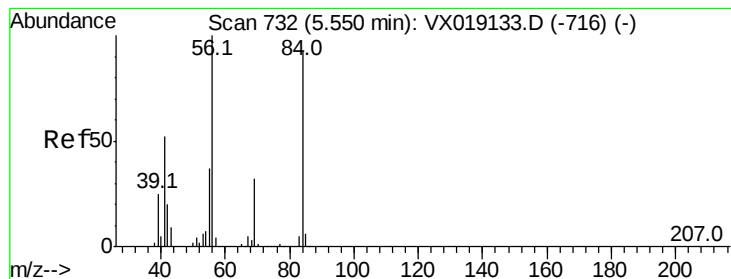
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->





#31

Cyclohexane

Concen: 1.317 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019249.D

Acq: 03 Nov 2020 21:31

Instrument :

MSVOA_X

ClientSampled :

CRT-01

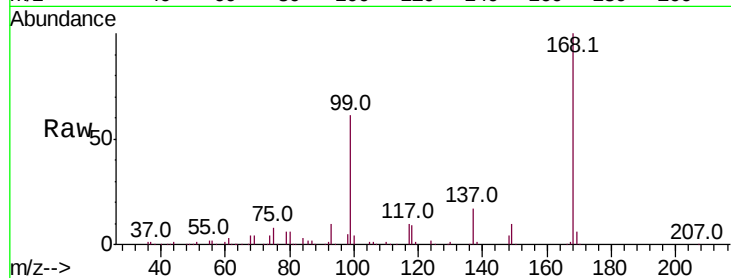
Tot Ion: 56 Resp: 6876

Ion Ratio Lower Upper

56 100

69 171.7 25.9 38.9#

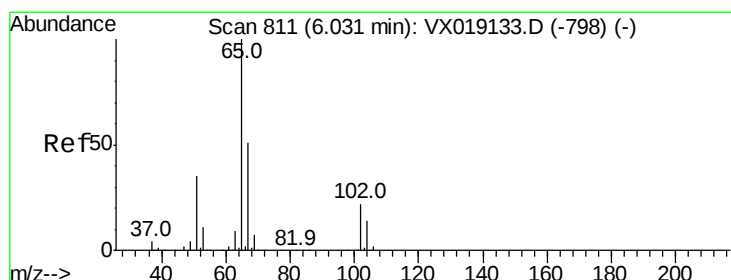
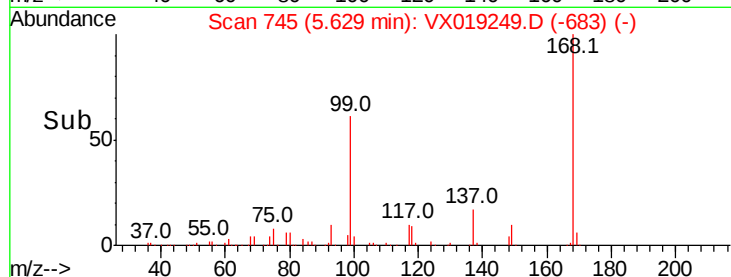
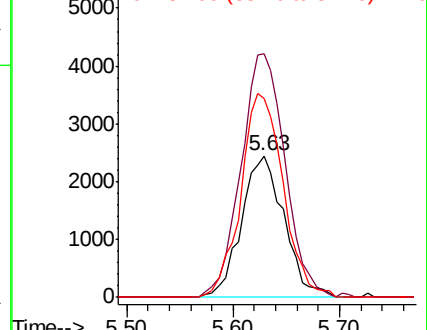
84 140.0 73.4 110.2#



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: 52.696 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019249.D

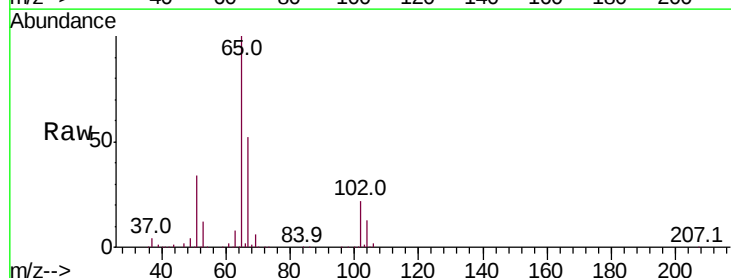
Acq: 03 Nov 2020 21:31

Tgt Ion: 65 Resp: 217604

Ion Ratio Lower Upper

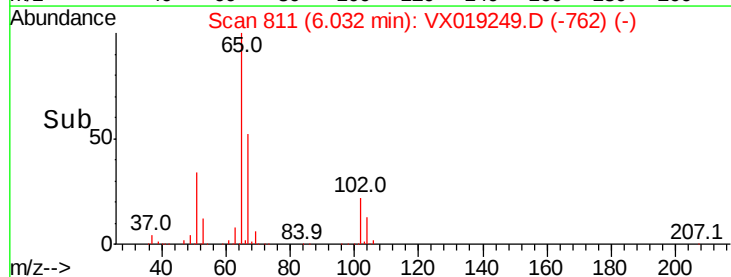
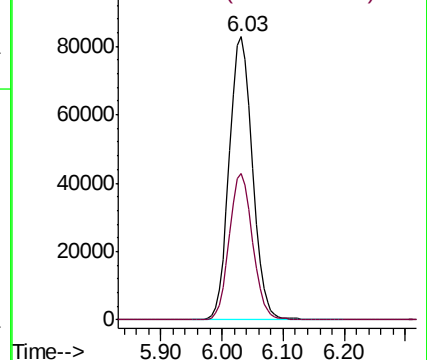
65 100

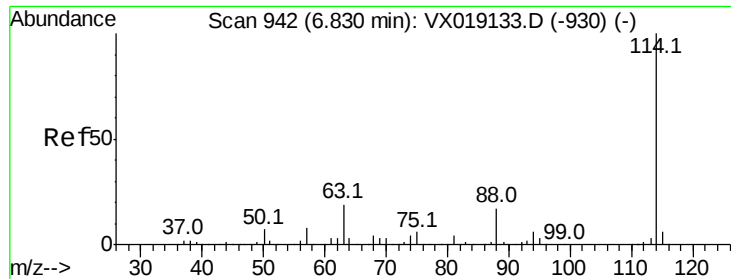
67 51.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

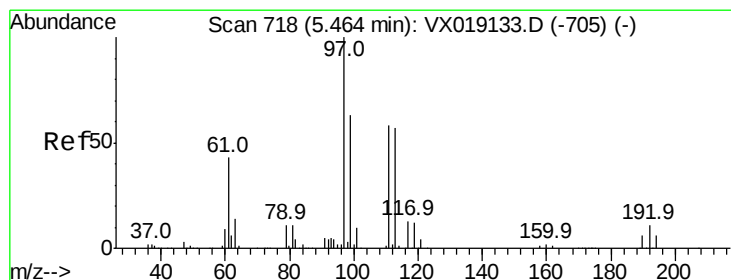
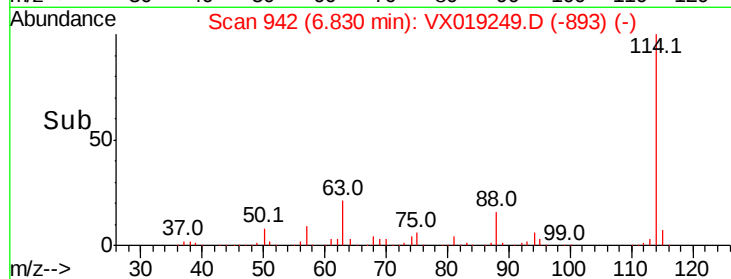
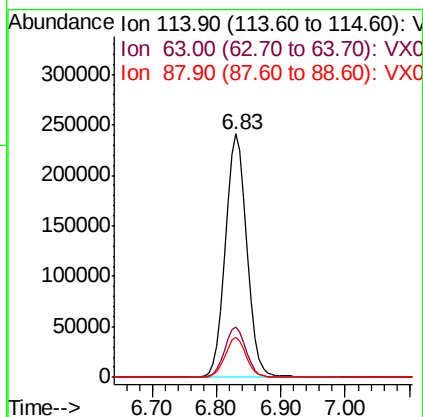
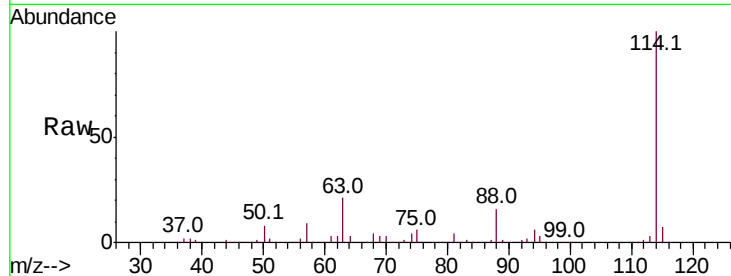




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

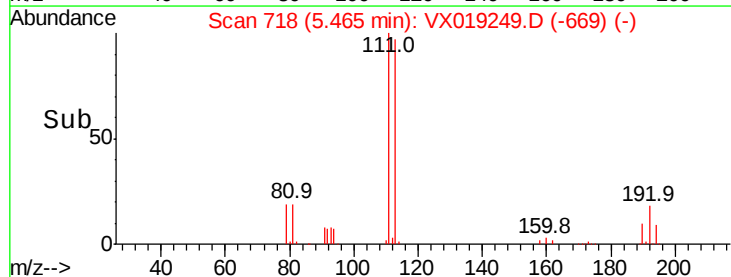
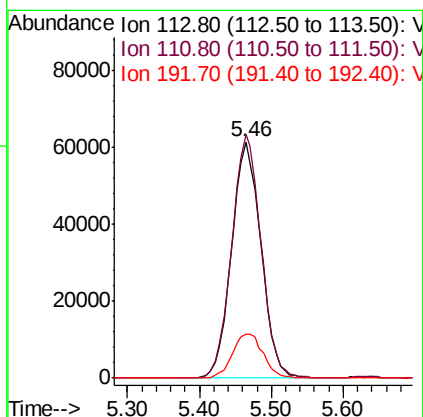
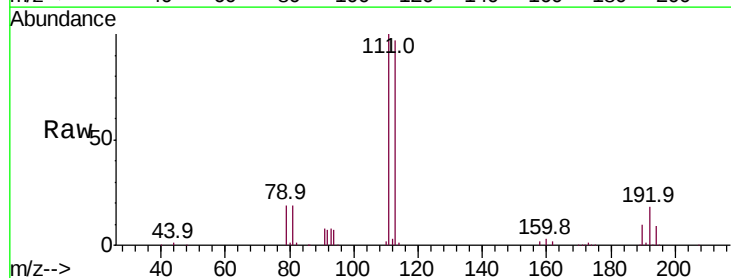
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-01

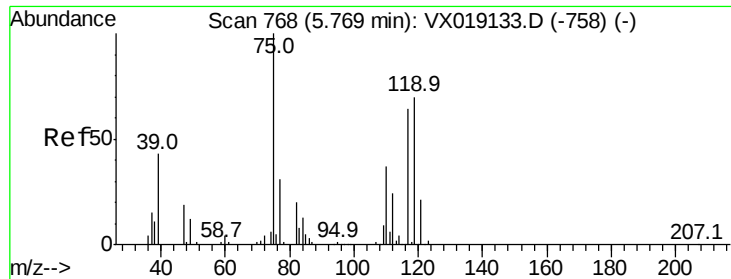
Tot Ion:114 Resp: 569488
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.8
 88 16.4 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 48.671 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

Tgt Ion:113 Resp: 174104
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 19.4 16.2 24.2

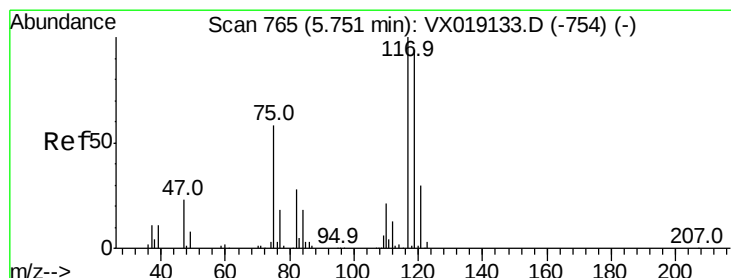
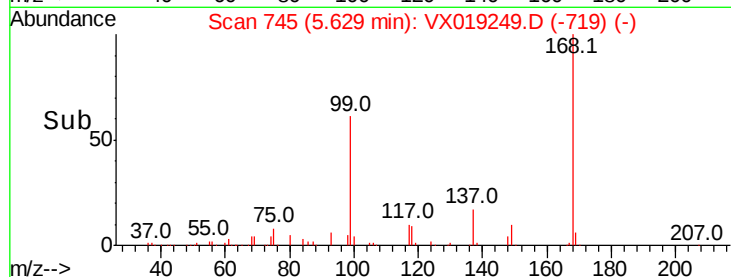
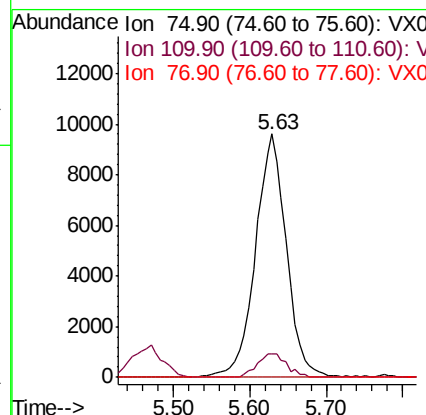
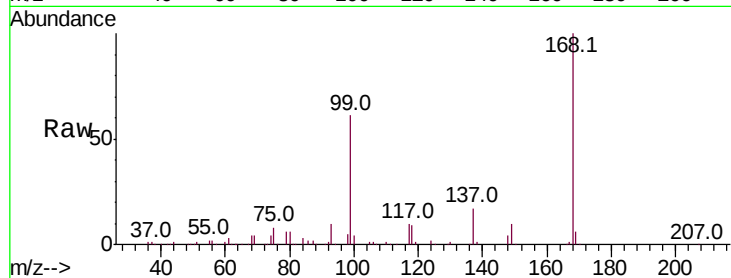




#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

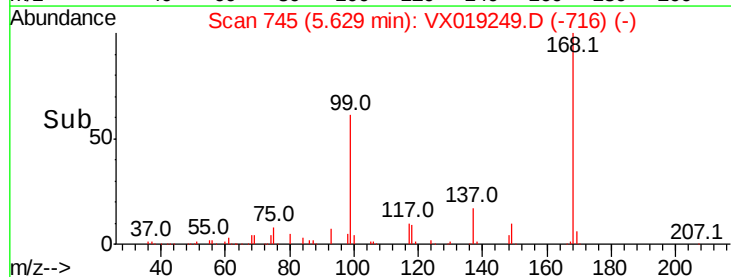
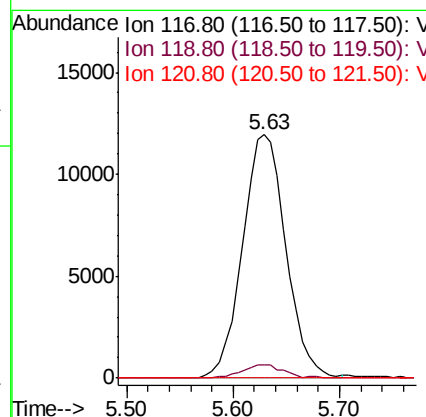
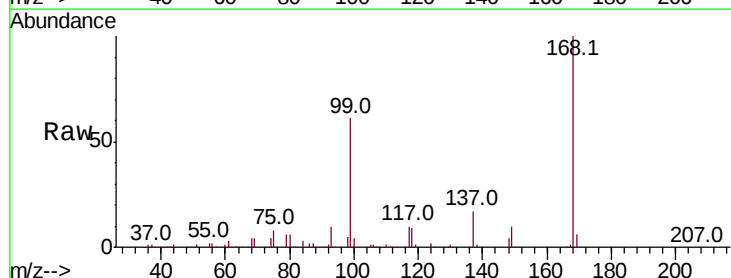
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-01

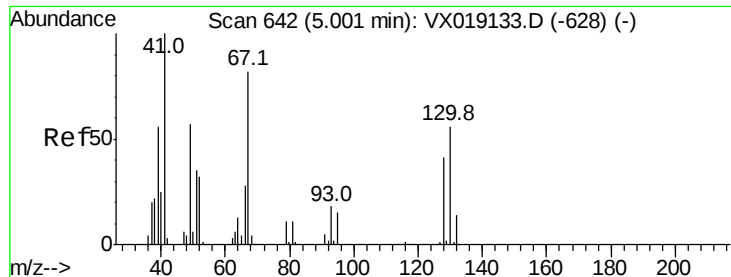
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.368 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.0	112.6#
121	0.0	23.9	35.9#

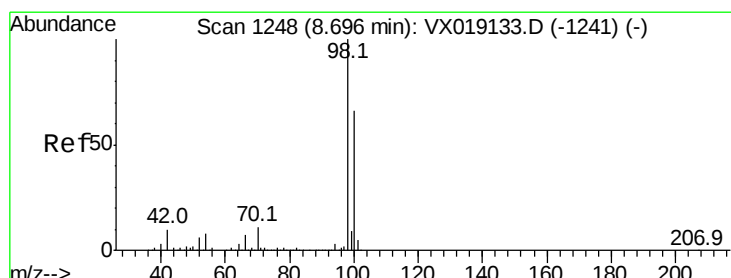
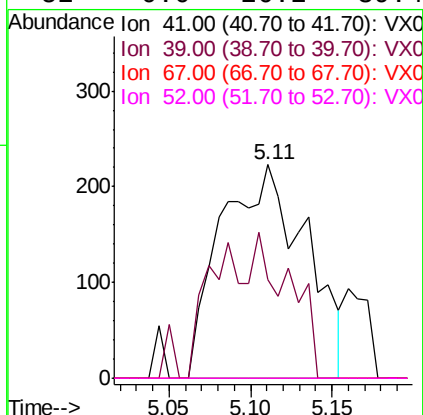
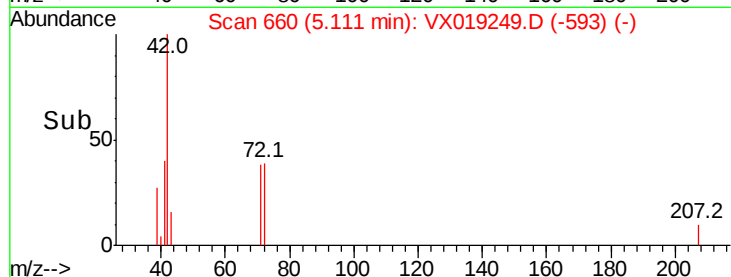
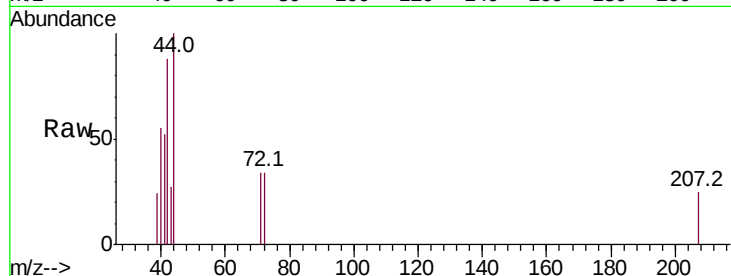




#41
Methacrylonitrile
Concen: 0.308 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.11 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

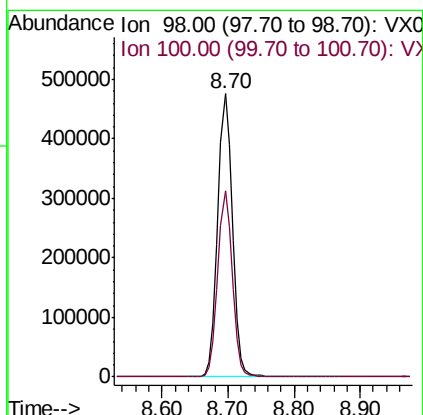
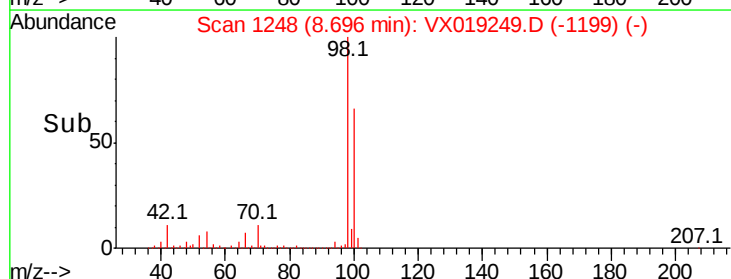
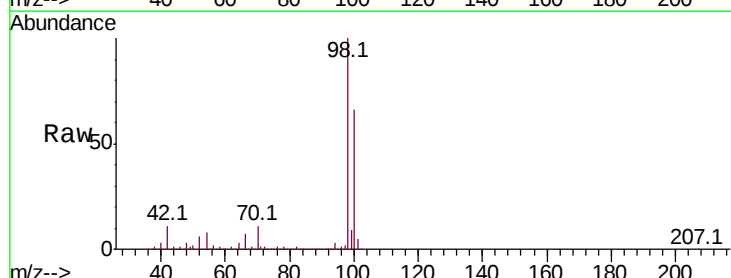
Instrument :
MSVOA_X
ClientSampleId :
CRT-01

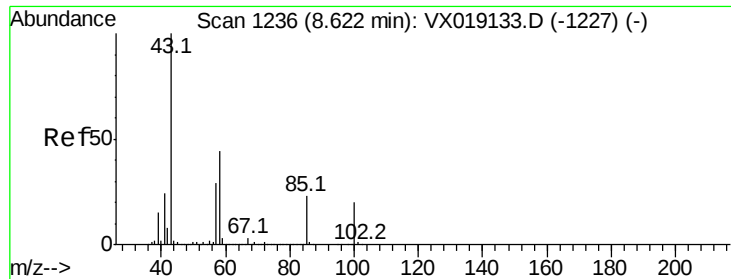
Tot Ion: 41 Resp: 809
Ion Ratio Lower Upper
41 100
39 0.0 44.4 66.6#
67 0.0 66.4 99.6#
52 0.0 26.2 39.4#



#50
Toluene-d8
Concen: 54.002 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

Tgt Ion: 98 Resp: 728203
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6

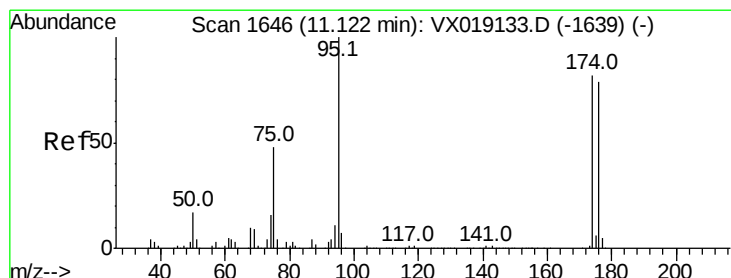
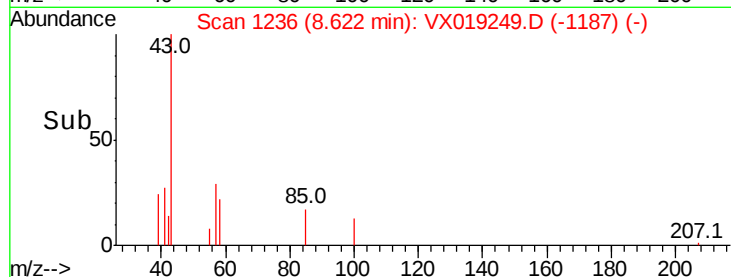
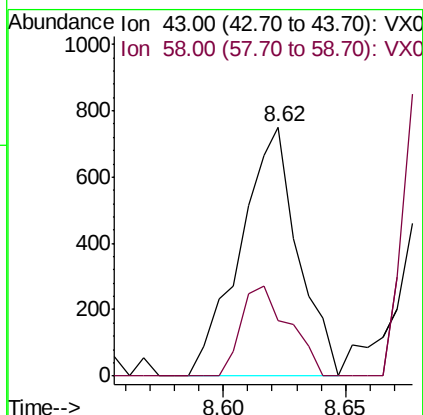
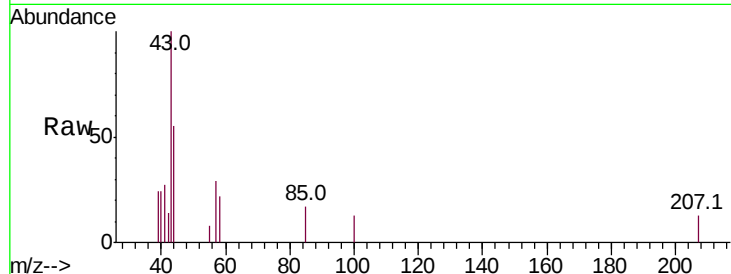




#51
 4-Methyl-2-Pentanone
 Concen: 0.261 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

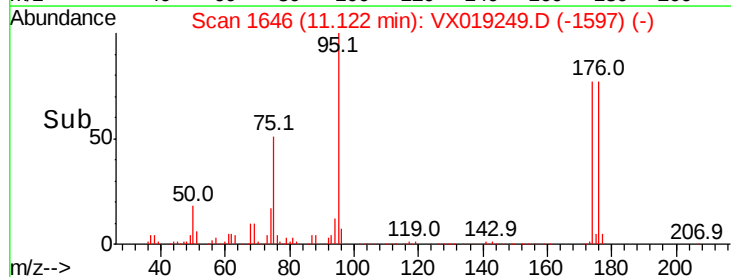
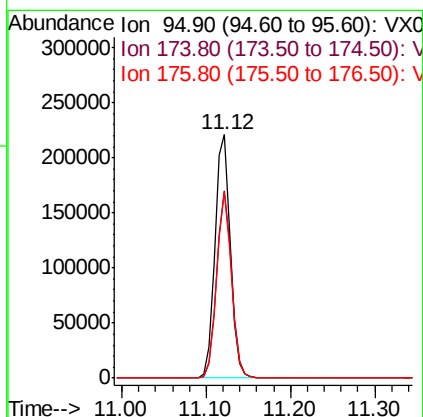
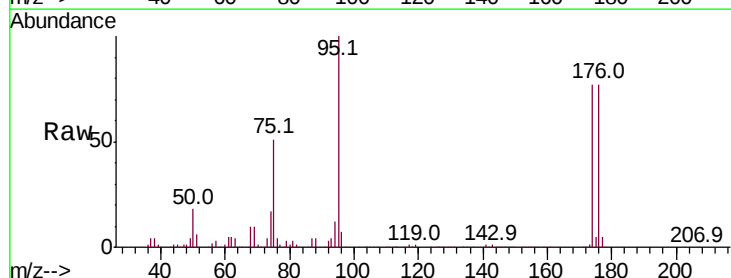
Instrument :
 MSVOA_X
 ClientSampleID :
 CRT-01

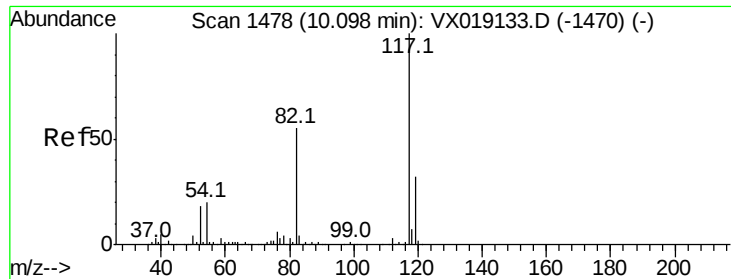
Tot Ion: 43 Resp: 1227
 Ion Ratio Lower Upper
 43 100
 58 30.1 35.0 52.4#



#62
 4-Bromofluorobenzene
 Concen: 54.886 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX019249.D
 Acq: 03 Nov 2020 21:31

Tgt Ion: 95 Resp: 280290
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 156.0
 176 73.4 0.0 149.8

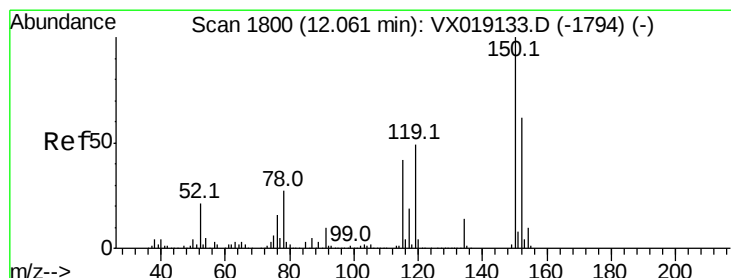
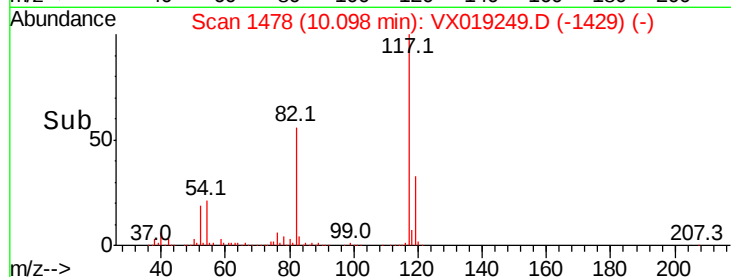
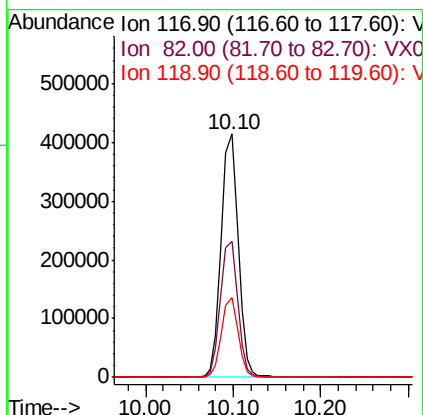
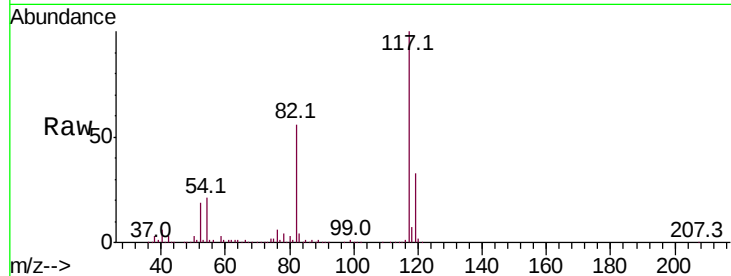




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

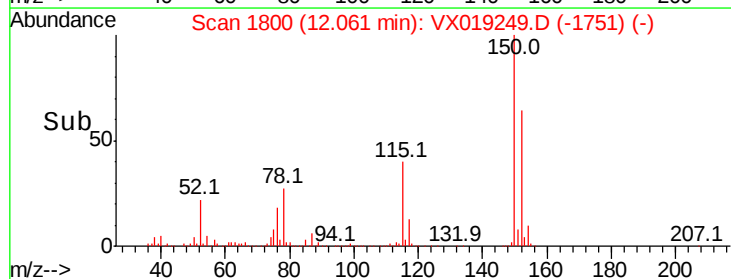
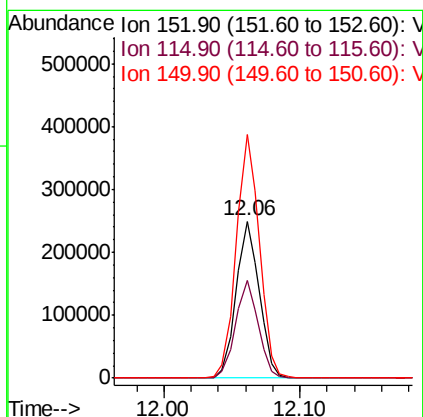
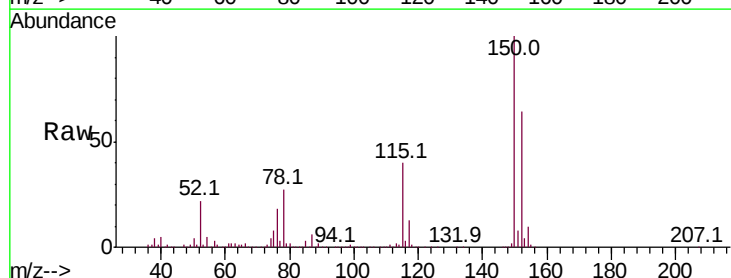
Instrument :
MSVOA_X
ClientSampled :
CRT-01

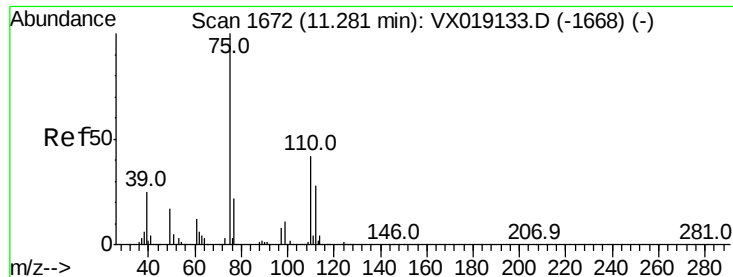
Tot Ion:117 Resp: 561466
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019249.D
Acq: 03 Nov 2020 21:31

Tgt Ion:152 Resp: 293394
Ion Ratio Lower Upper
152 100
115 61.2 41.9 125.7
150 156.0 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 23.729 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019249.D

Acq: 03 Nov 2020 21:31

Instrument :

MSVOA_X

ClientSampleId :

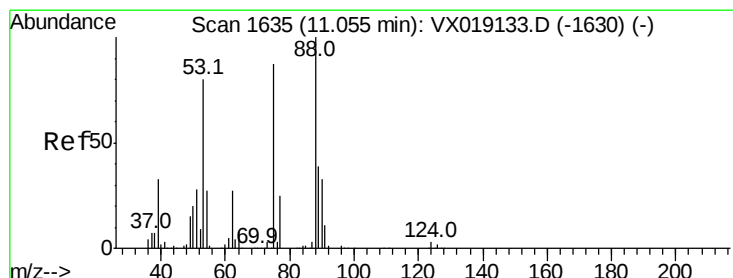
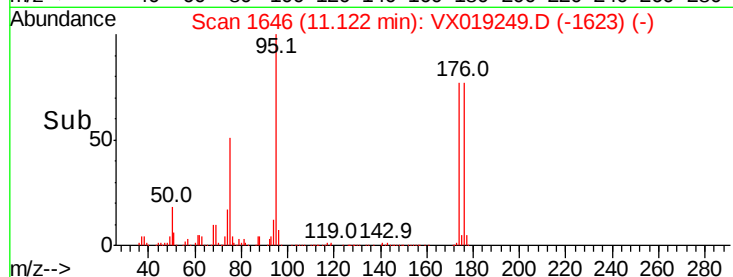
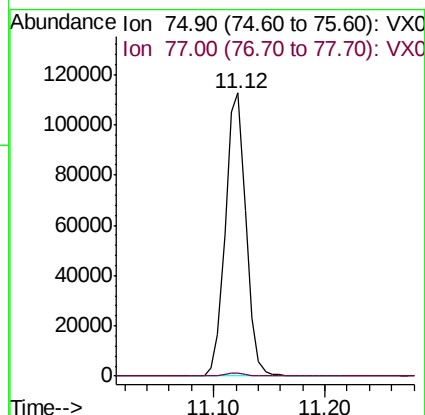
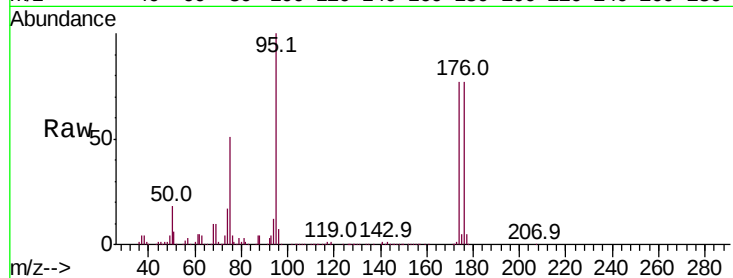
CRT-01

Tot Ion: 75 Resp: 143749

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.478 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019249.D

Acq: 03 Nov 2020 21:31

Tgt Ion: 75 Resp: 143749

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

