

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019245.D
 Acq On : 03 Nov 2020 20:02
 Operator : JC/MD
 Sample : L4600-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-17

Quant Time: Nov 04 02:24:57 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	312917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	544225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	533742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	282759	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	208486	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	5.46	113	166793	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.70	98	687210	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	11.12	95	272693	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	

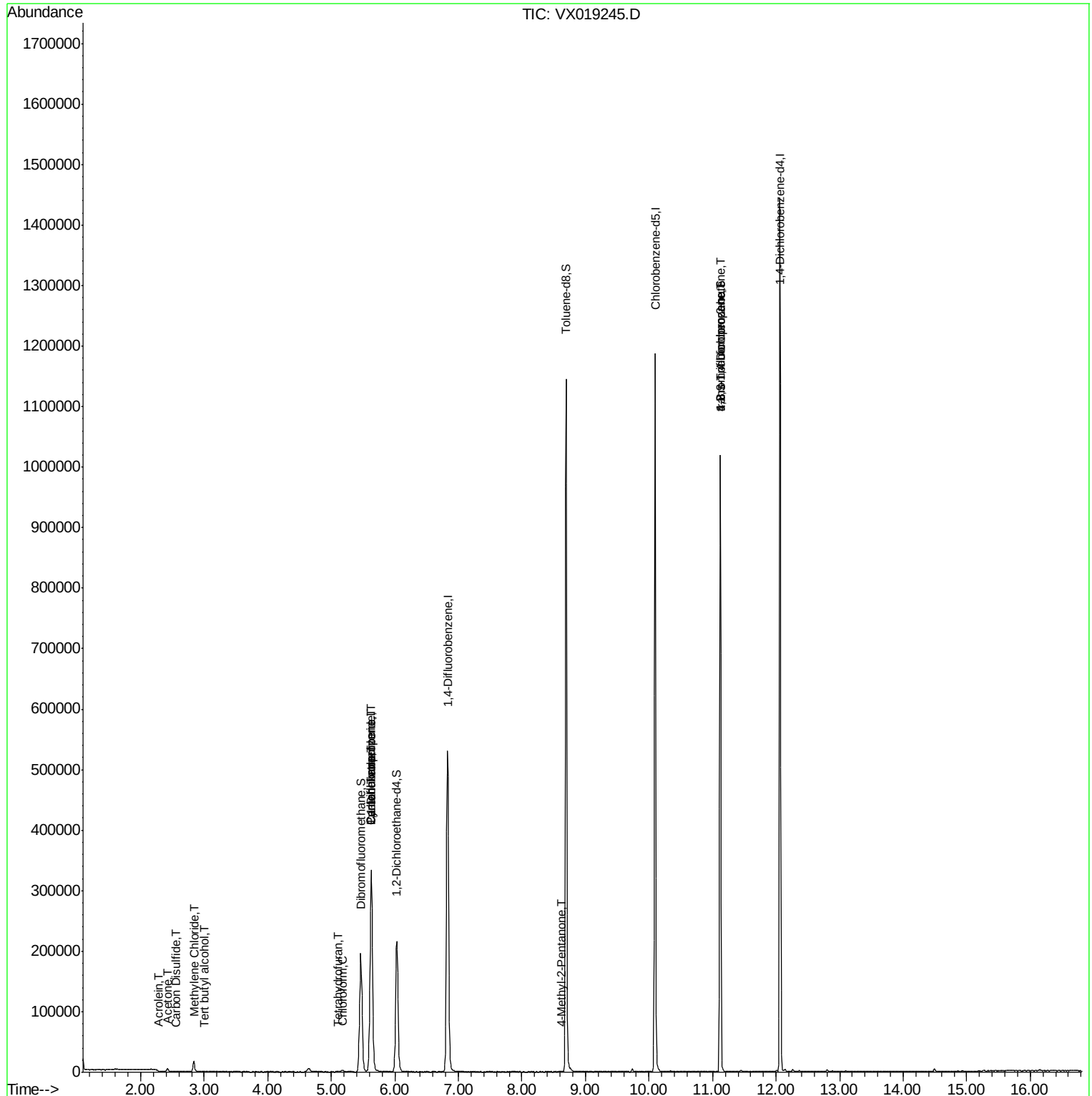
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	714	0.896	ug/l #	72
13) Acrolein	2.29	56	19	5.700	ug/l #	1
16) Acetone	2.42	43	5503	3.953	ug/l	98
17) Carbon Disulfide	2.56	76	486	0.815	ug/l #	75
20) Methylene Chloride	2.84	84	8562	2.450	ug/l	97
29) Tetrahydrofuran	5.11	42	1351	0.977	ug/l #	76
30) Chloroform	5.18	83	2805	0.461	ug/l	96
31) Cyclohexane	5.63	56	6773	1.328	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	26228	5.219	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32347	6.315	ug/l #	17
51) 4-Methyl-2-Pentanone	8.63	43	1305	0.291	ug/l #	69
76) 1,2,3-Trichloropropane	11.12	75	139676	23.924	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	139676	62.991	ug/l #	12

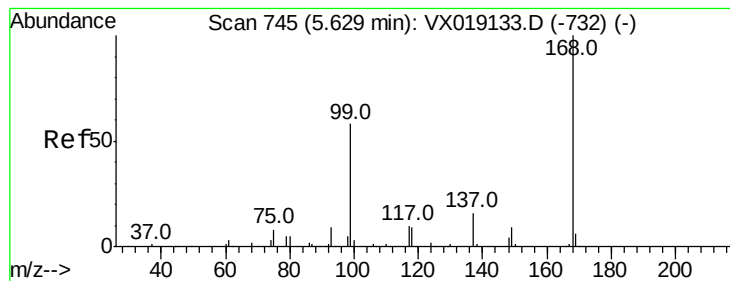
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampled :

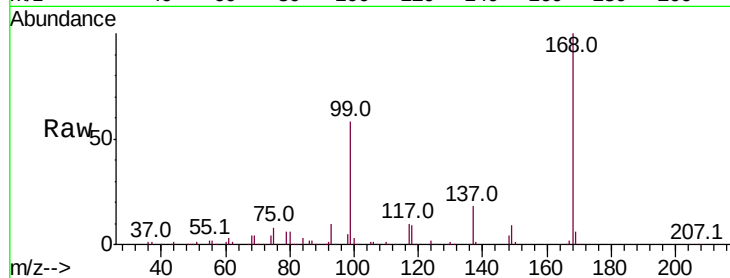
CRT-17

Tot Ion:168 Resp: 312917

Ion Ratio Lower Upper

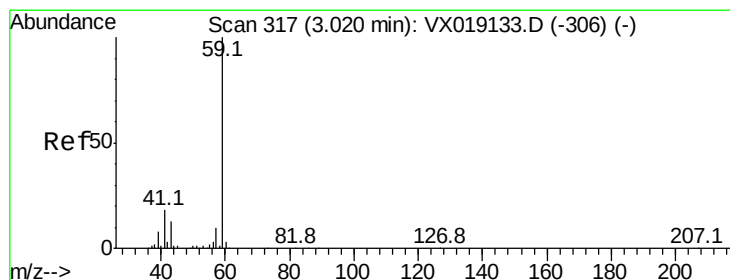
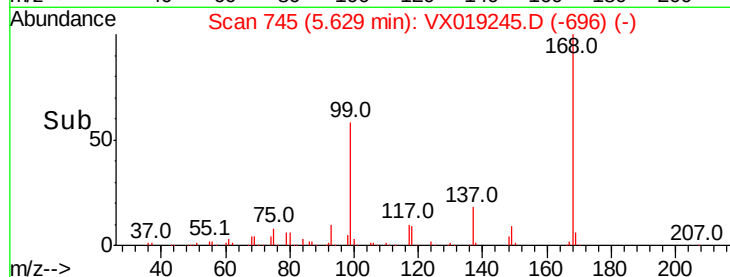
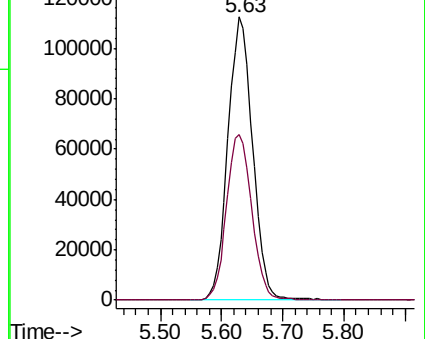
168 100

99 58.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.896 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX019245.D

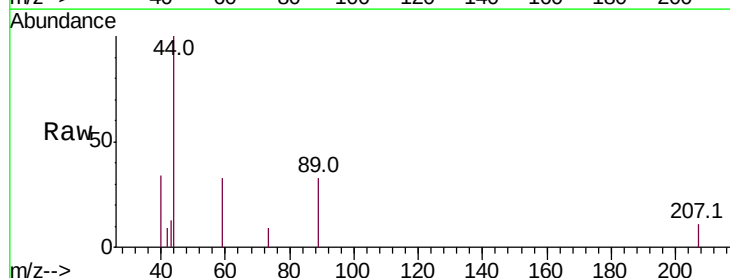
Acq: 03 Nov 2020 20:02

Tgt Ion: 59 Resp: 714

Ion Ratio Lower Upper

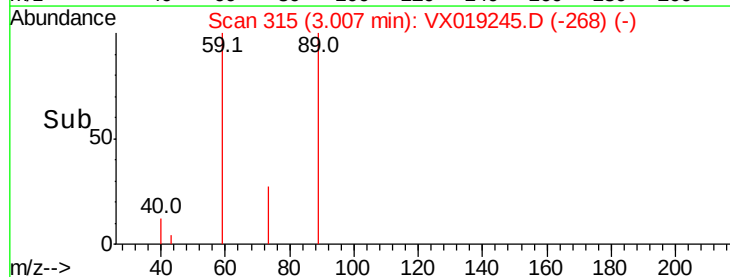
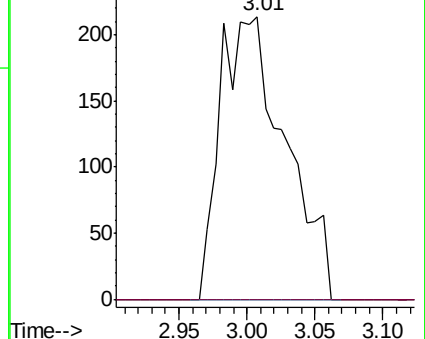
59 100

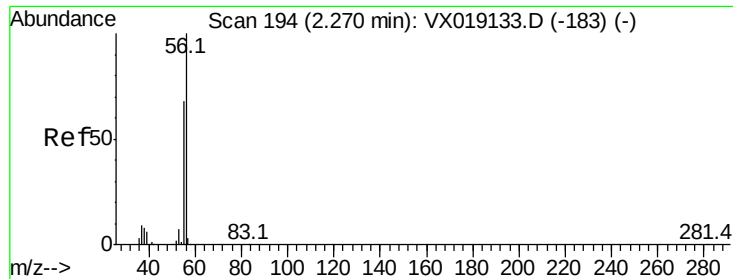
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.700 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

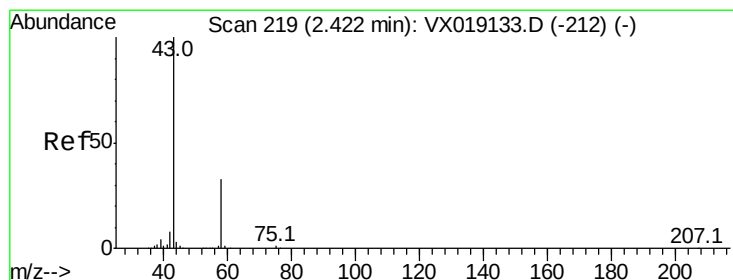
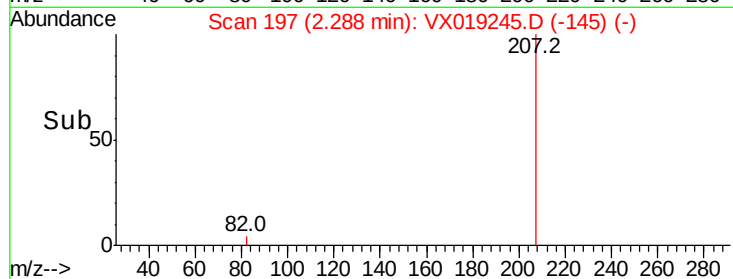
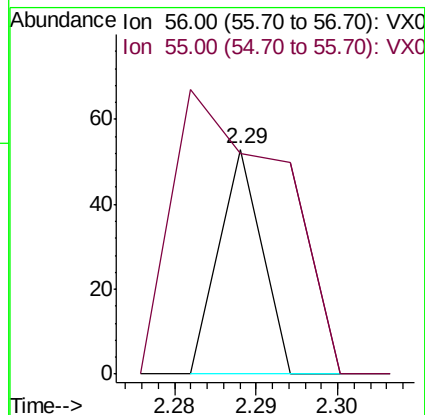
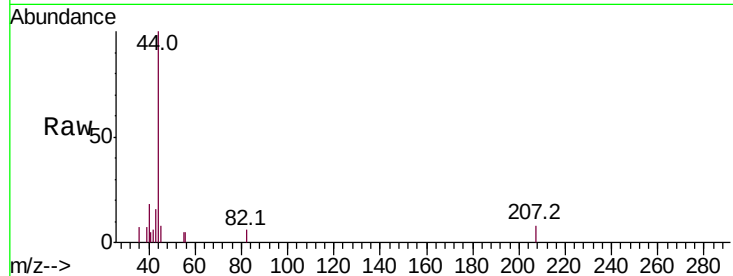
CRT-17

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 326.3 54.7 82.1#



#16

Acetone

Concen: 3.953 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019245.D

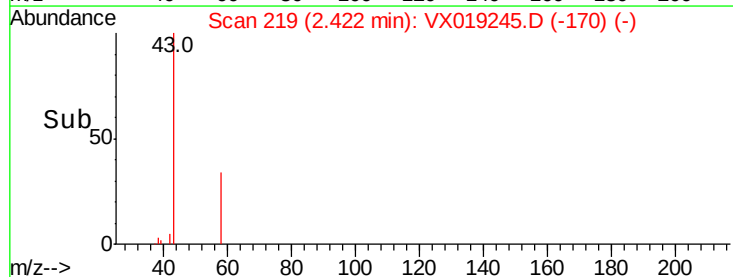
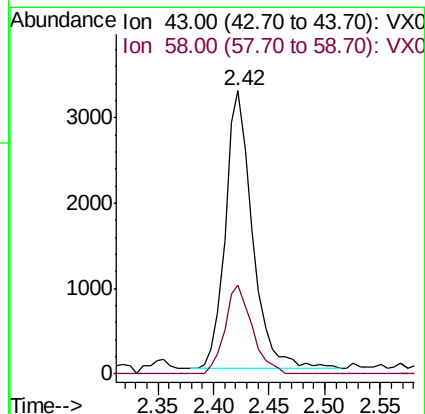
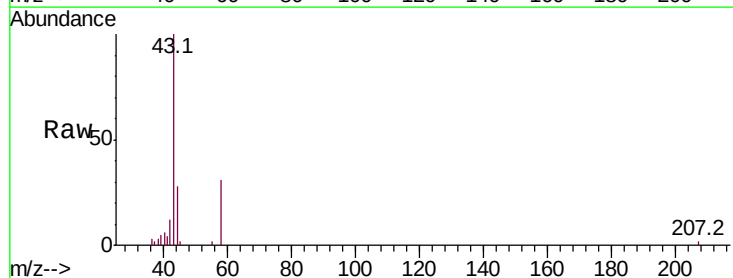
Acq: 03 Nov 2020 20:02

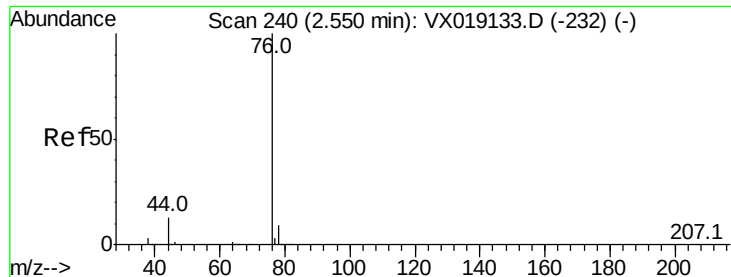
Tgt Ion: 43 Resp: 5503

Ion Ratio Lower Upper

43 100

58 32.0 26.3 39.5





#17

Carbon Disulfide

Concen: 0.815 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

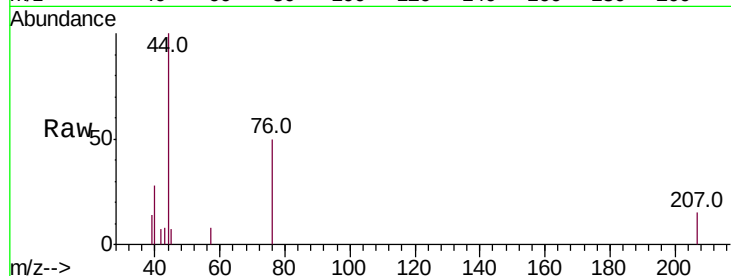
CRT-17

Tot Ion: 76 Resp: 486

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

2.56

400

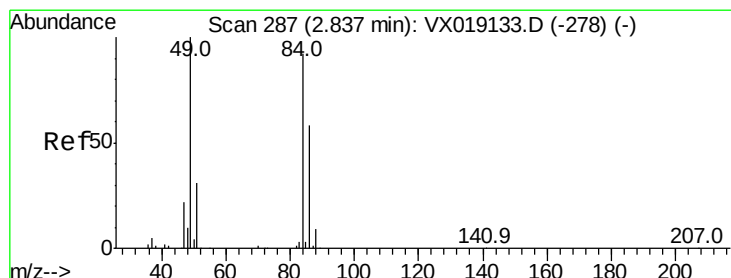
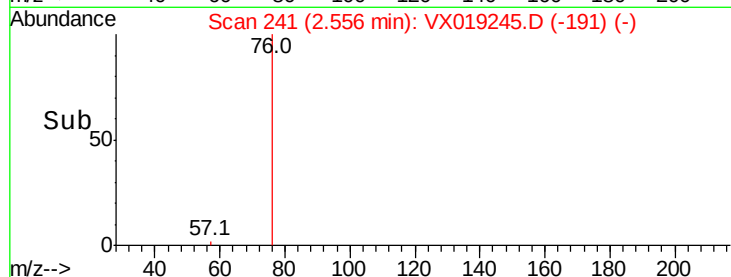
300

200

100

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 2.450 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Tgt Ion: 84 Resp: 8562

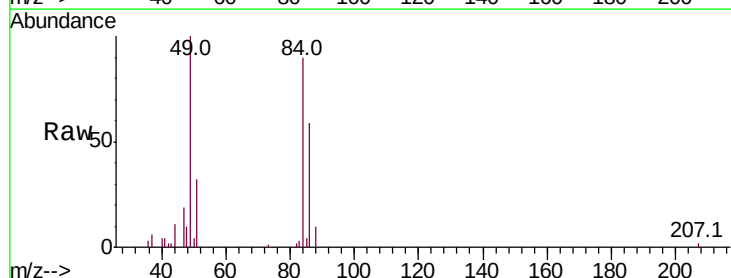
Ion Ratio Lower Upper

84 100

49 111.2 86.8 130.2

51 35.6 27.3 40.9

86 65.8 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

8000

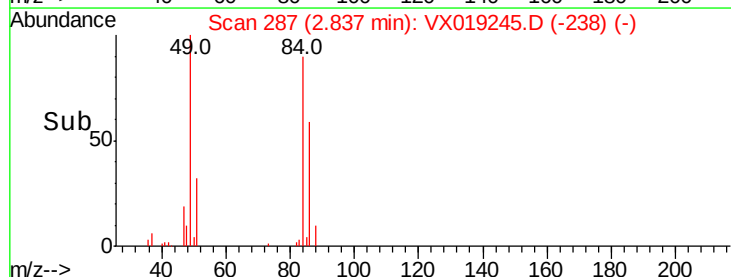
6000

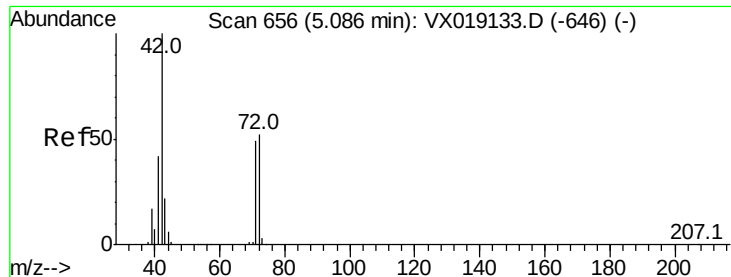
4000

2000

0

Time--> 2.75 2.80 2.85 2.90





#29

Tetrahydrofuran

Concen: 0.977 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampled :

CRT-17

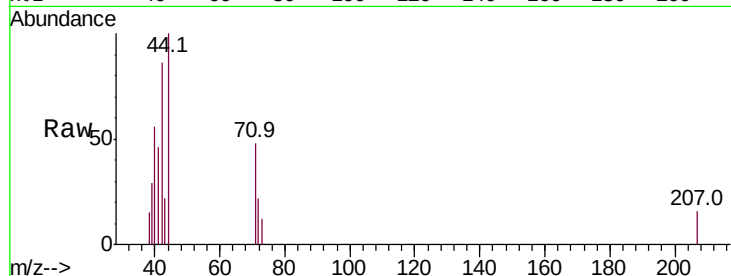
Tot Ion: 42 Resp: 1351

Ion Ratio Lower Upper

42 100

72 38.6 42.6 63.8#

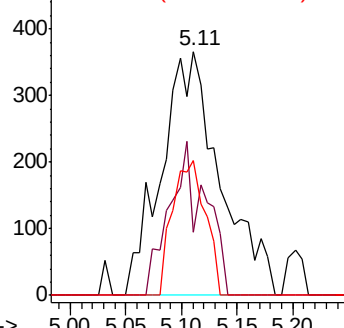
71 30.9 39.7 59.5#



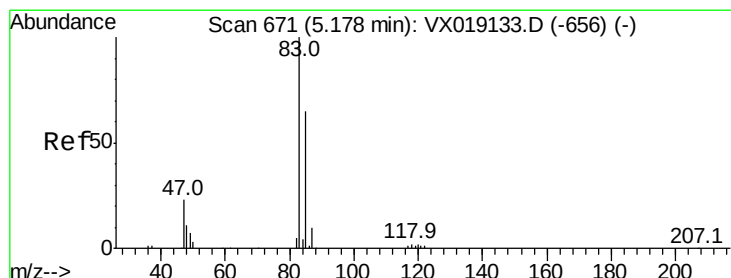
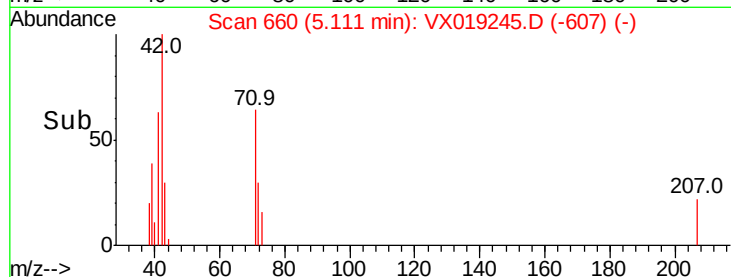
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#30

Chloroform

Concen: 0.461 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX019245.D

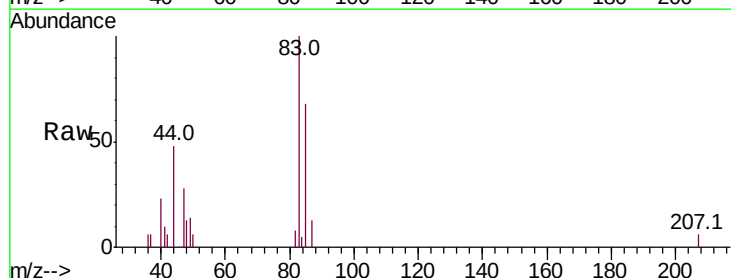
Acq: 03 Nov 2020 20:02

Tgt Ion: 83 Resp: 2805

Ion Ratio Lower Upper

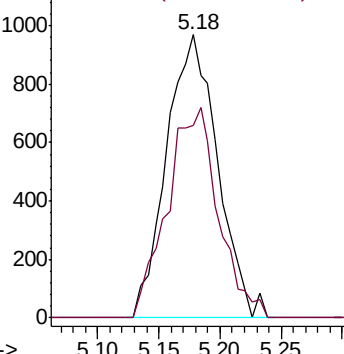
83 100

85 67.9 51.9 77.9

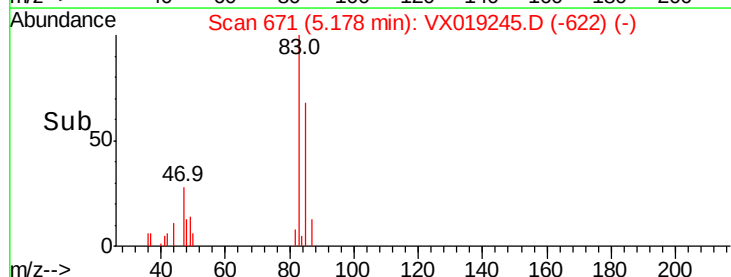


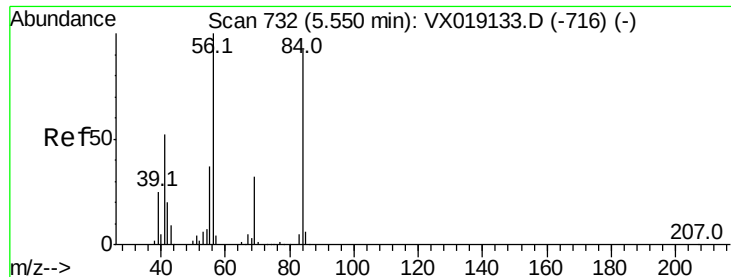
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->

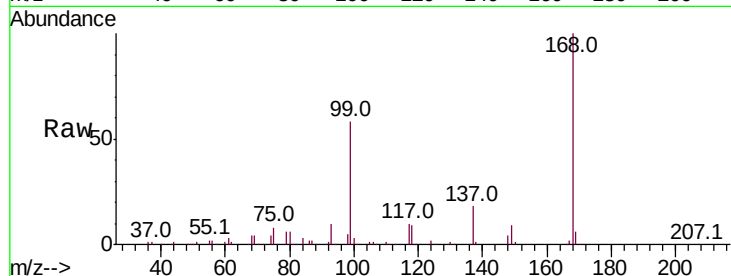




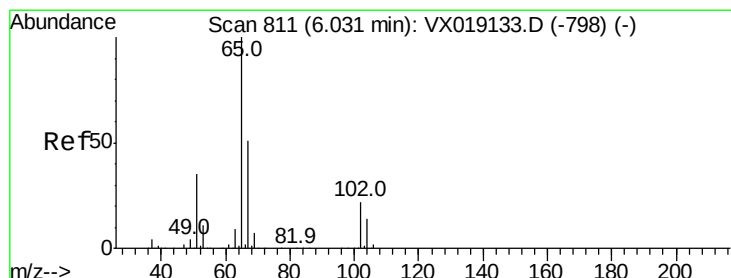
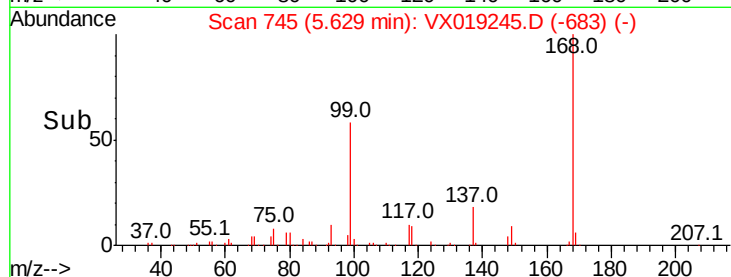
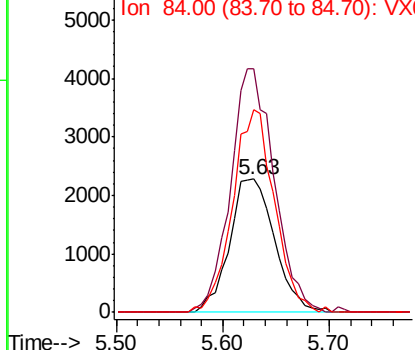
#31
Cyclohexane
Concen: 1.328 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

Instrument :
MSVOA_X
ClientSampled :
CRT-17

Tot Ion: 56 Resp: 6773
Ion Ratio Lower Upper
56 100
69 182.9 25.9 38.9#
84 152.1 73.4 110.2#

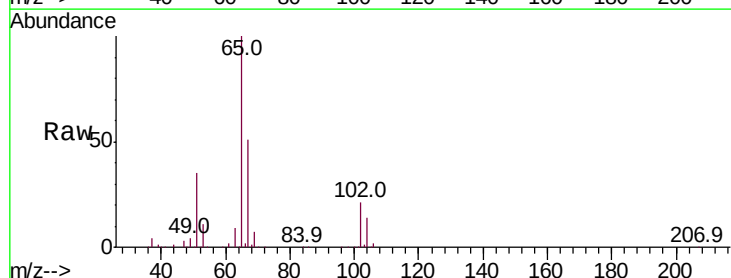


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

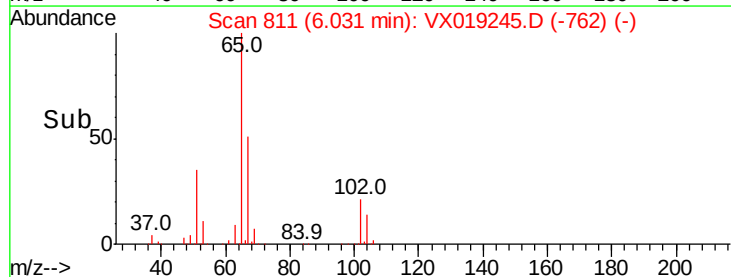
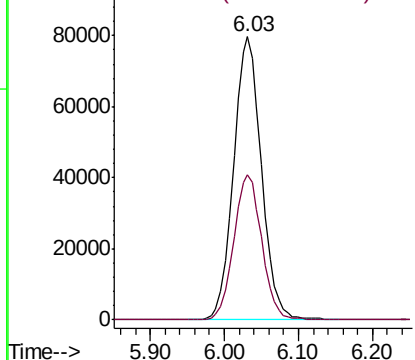


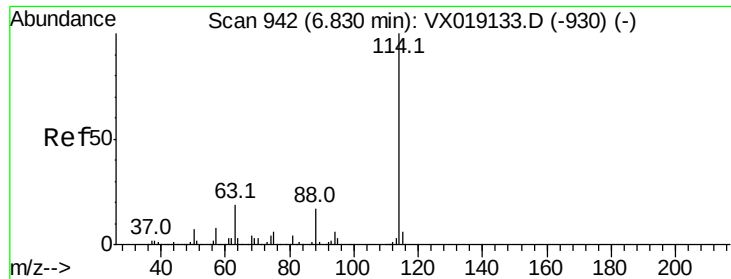
#33
1,2-Dichloroethane-d4
Concen: 51.664 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

Tgt Ion: 65 Resp: 208486
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: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

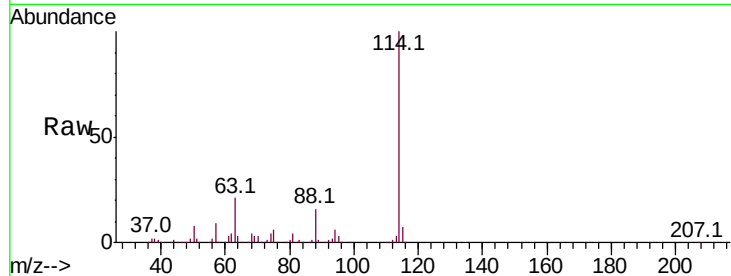
Tot Ion:114 Resp: 544225

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

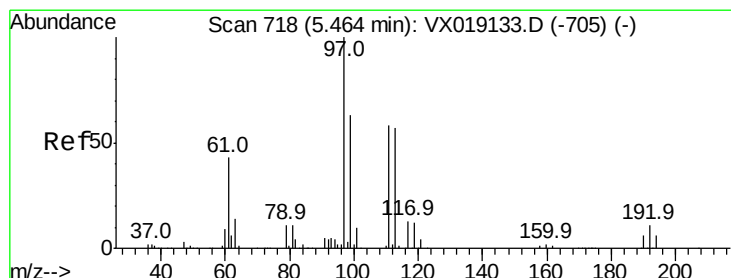
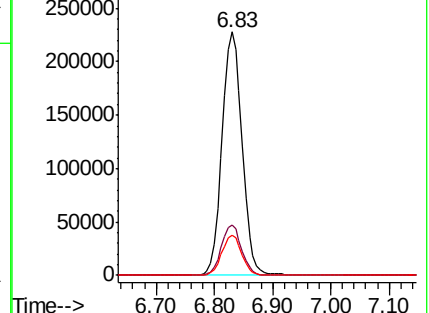
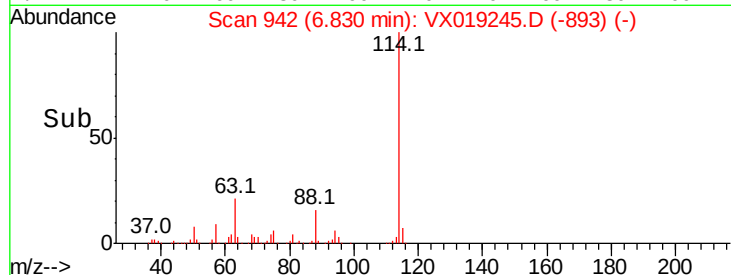
88 16.4 0.0 34.2



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: 48.792 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

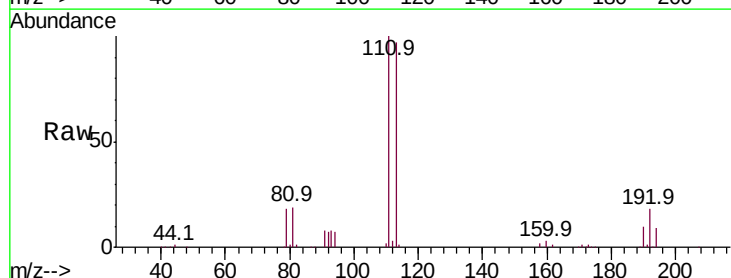
Tgt Ion:113 Resp: 166793

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

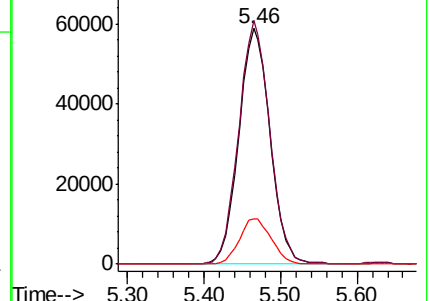
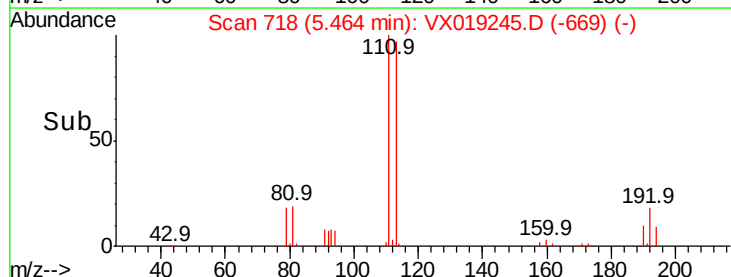
192 19.6 16.2 24.2

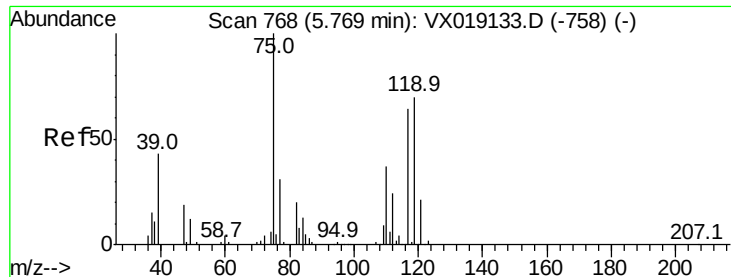


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.219 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

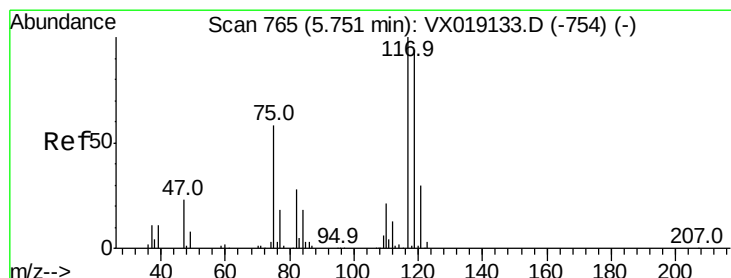
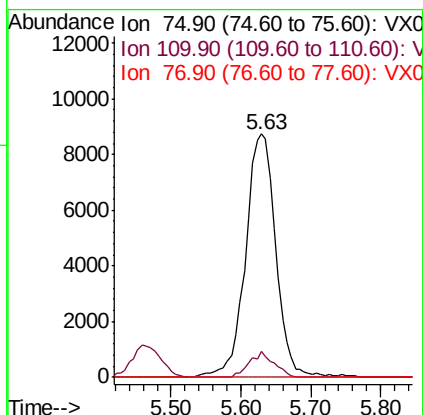
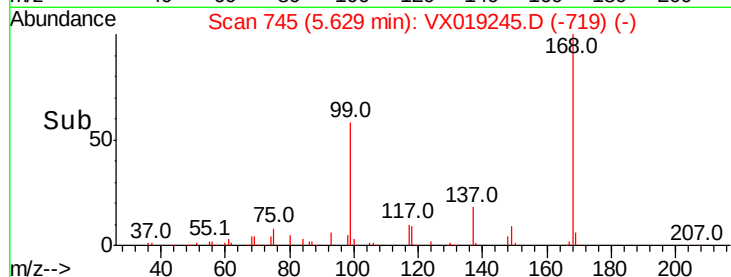
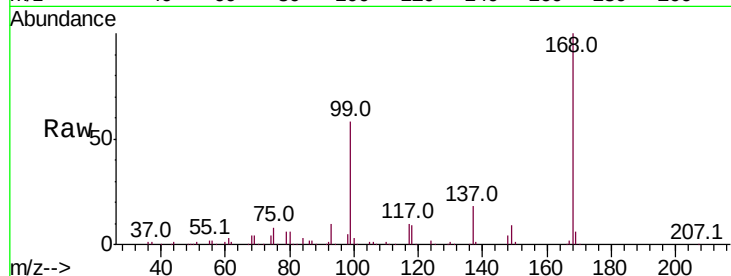
Tot Ion: 75 Resp: 26228

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

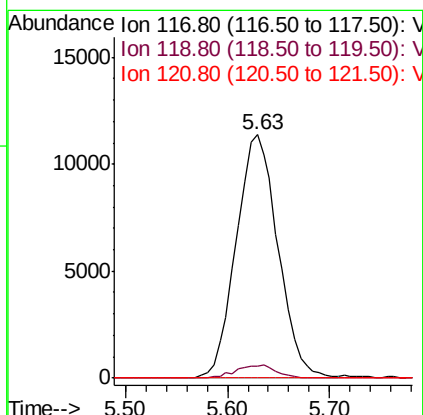
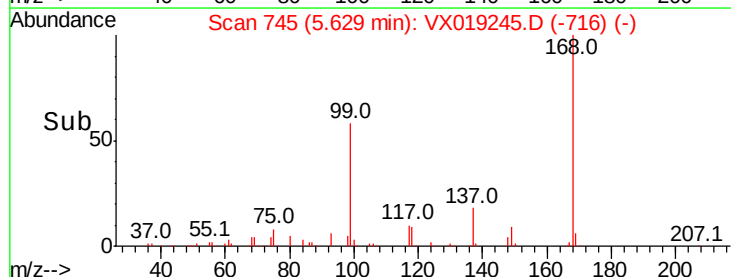
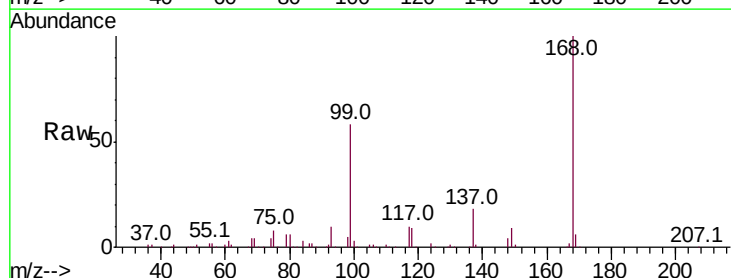
Tgt Ion:117 Resp: 32347

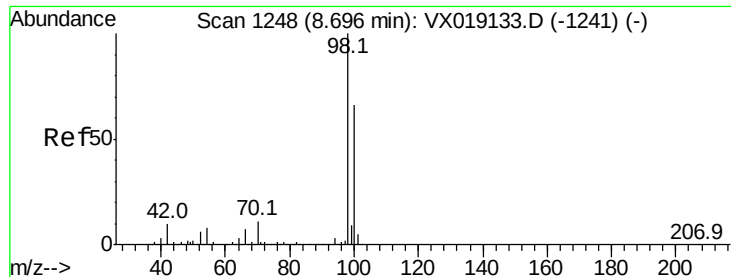
Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 23.9 35.9#

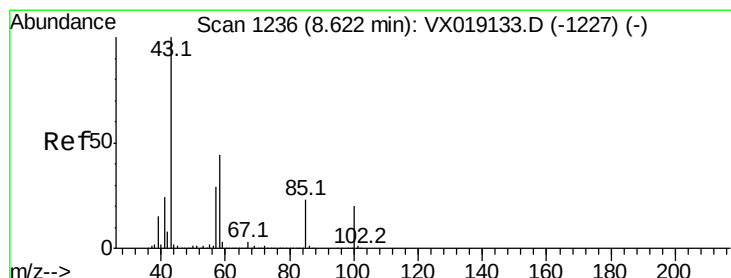
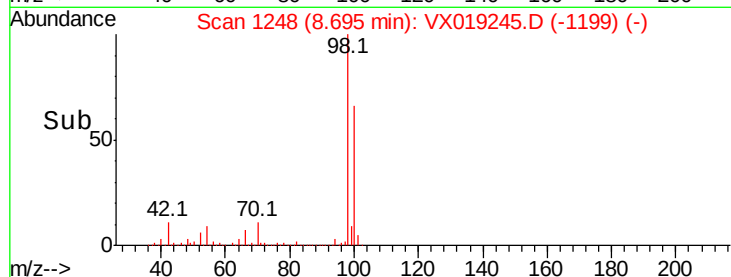
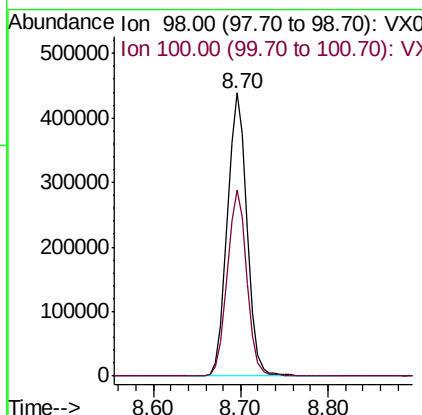
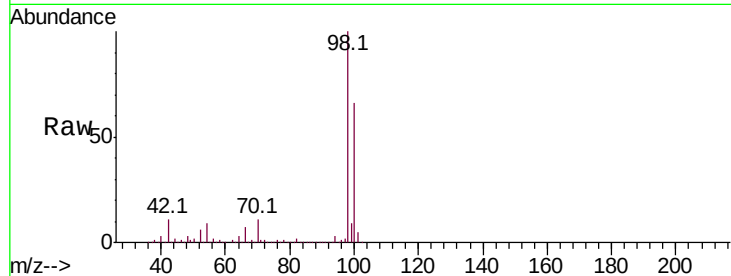




#50
Toluene-d8
Concen: 53.328 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

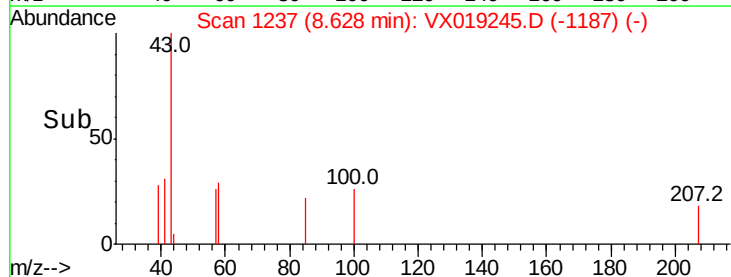
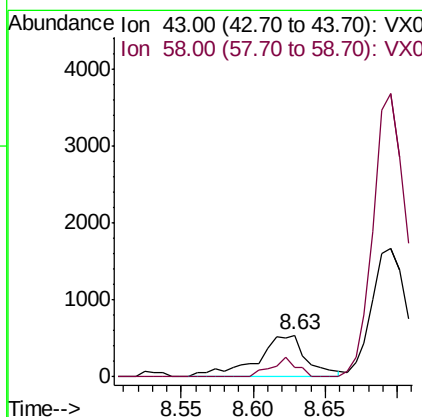
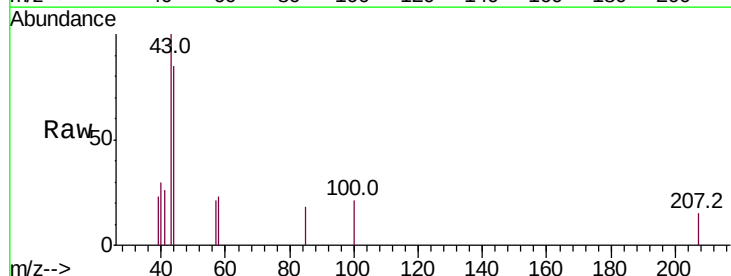
Instrument :
MSVOA_X
ClientSampleId :
CRT-17

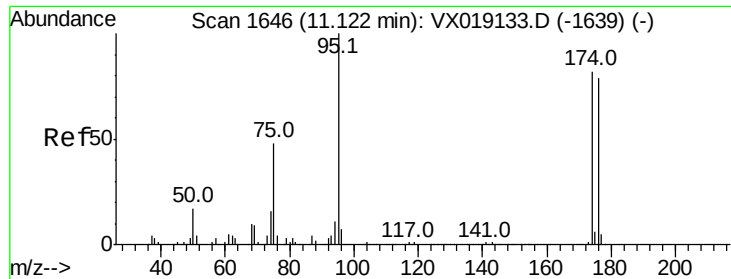
Tot Ion: 98 Resp: 687210
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.291 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 23.4 35.0 52.4#

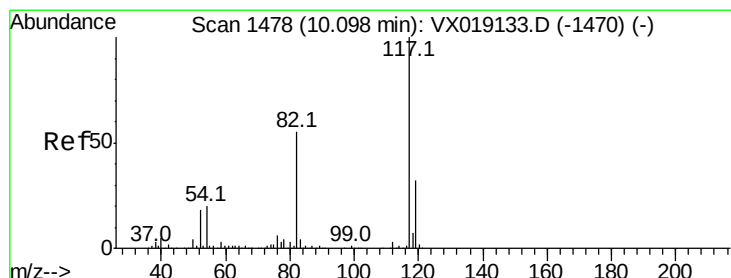
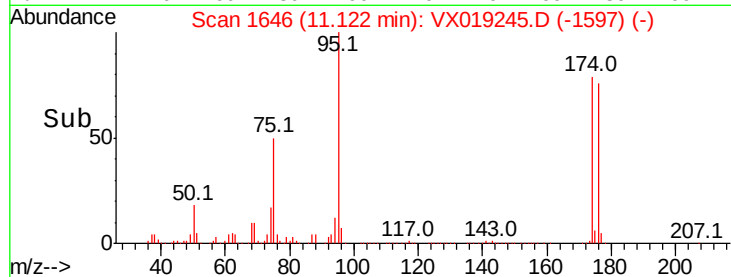
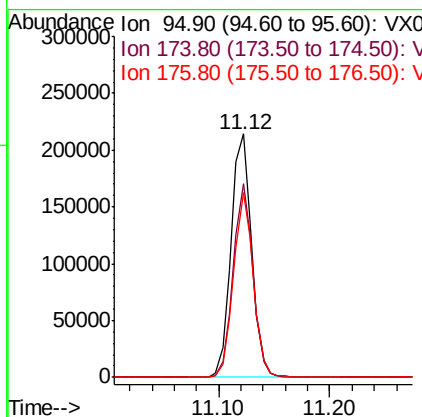
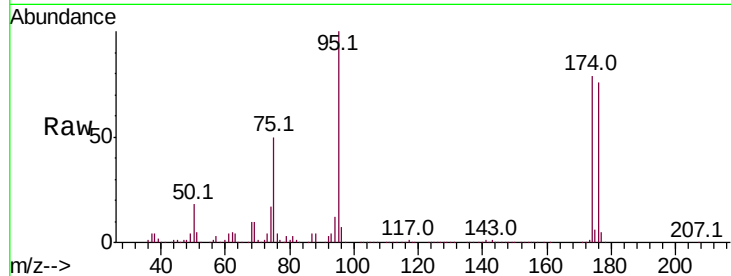




#62
4-Bromofluorobenzene
Concen: 55.878 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

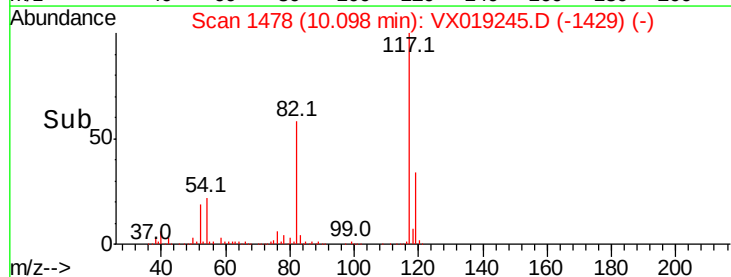
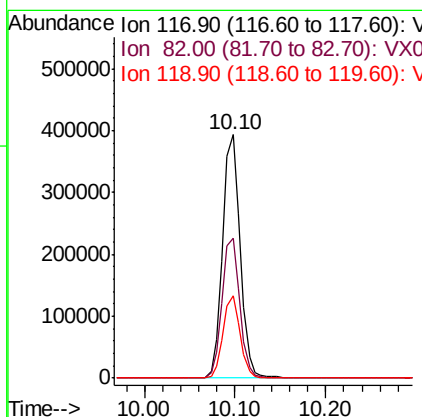
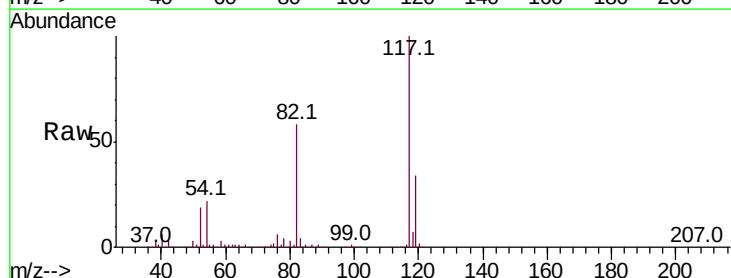
Instrument :
MSVOA_X
ClientSampleId :
CRT-17

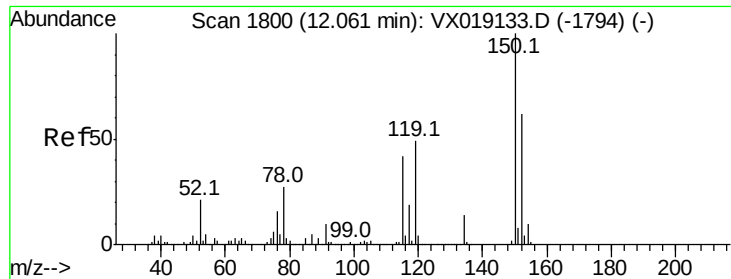
Tot Ion: 95 Resp: 272693
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.0
176 73.2 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019245.D
Acq: 03 Nov 2020 20:02

Tgt Ion: 117 Resp: 533742
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 33.6 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: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampled :

CRT-17

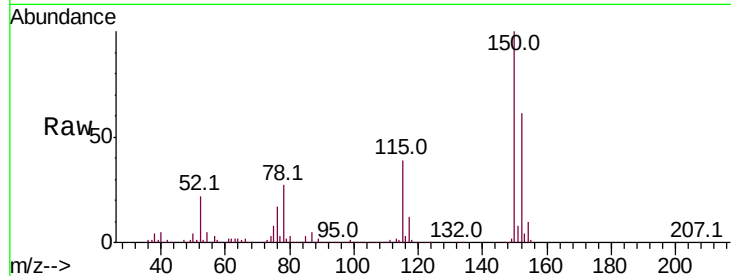
Tot Ion:152 Resp: 282759

Ion Ratio Lower Upper

152 100

115 61.2 41.9 125.7

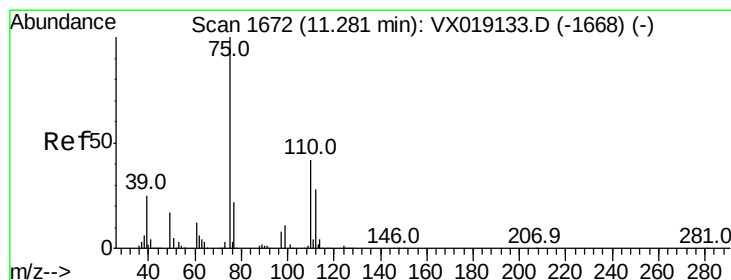
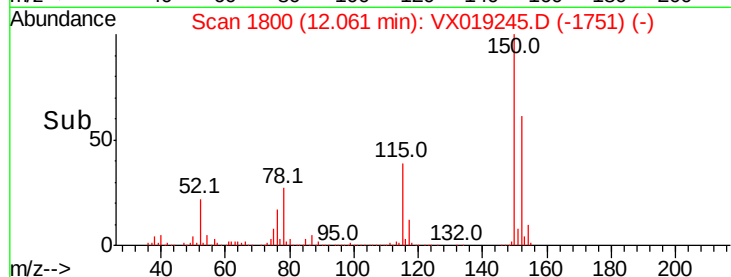
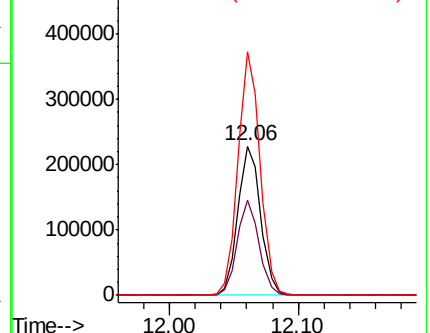
150 158.6 0.0 347.8



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: 23.924 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019245.D

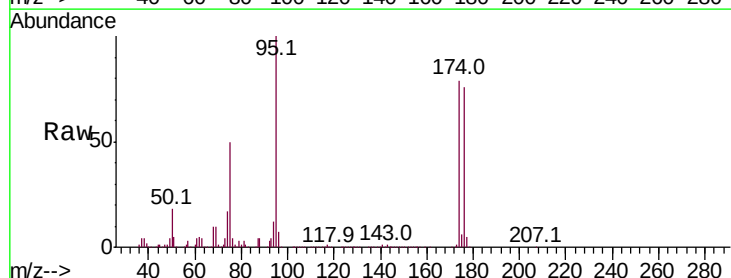
Acq: 03 Nov 2020 20:02

Tgt Ion: 75 Resp: 139676

Ion Ratio Lower Upper

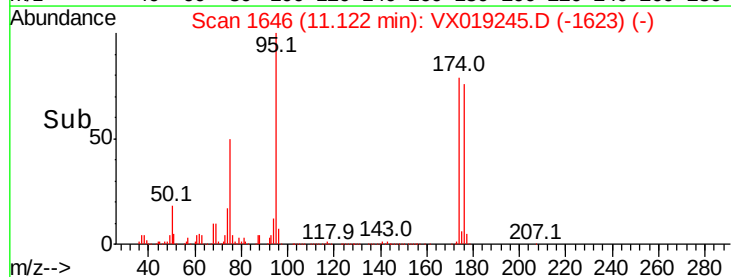
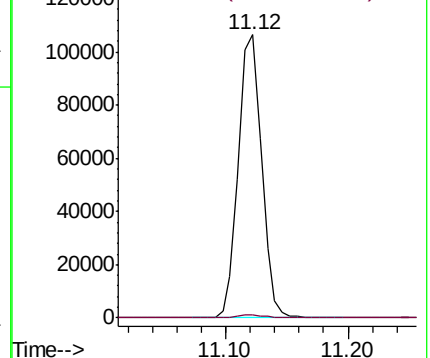
75 100

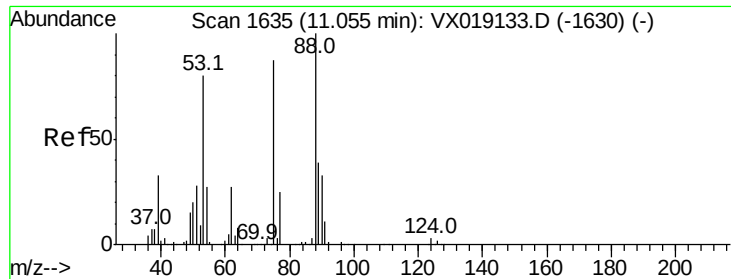
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.991 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019245.D

Acq: 03 Nov 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

CRT-17

Tot Ion: 75 Resp: 139676

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

