

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019840.D
 Acq On : 10 Dec 2020 22:05
 Operator : JC/MD
 Sample : VX1210WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBL02

Quant Time: Dec 11 02:46:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	326857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	536442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	486471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	205332	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	203220	47.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.62%	
35) Dibromofluoromethane		5.46	113	166411	48.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.00%	
50) Toluene-d8		8.70	98	650896	49.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.36%	
62) 4-Bromofluorobenzene		11.12	95	225310	44.72	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.44%	

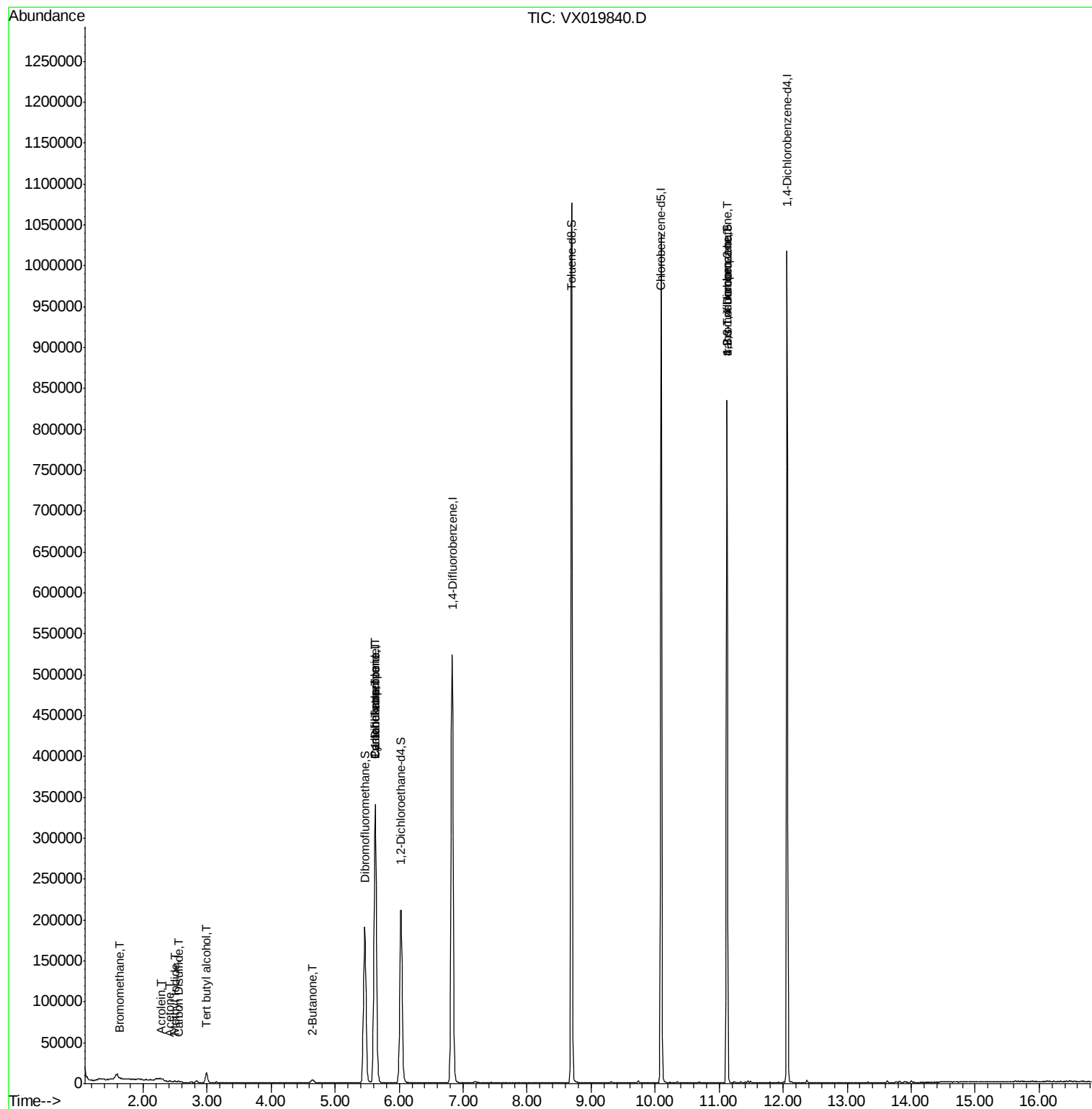
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	584	0.474	ug/l	82
10) Methyl Iodide	2.50	142	2124	0.486	ug/l #	95
11) Tert butyl alcohol	2.98	59	7845	6.336	ug/l #	75
13) Acrolein	2.28	56	389	0.820	ug/l	83
16) Acetone	2.41	43	1468	0.909	ug/l #	86
17) Carbon Disulfide	2.55	76	1931	0.225	ug/l	96
20) Methylene Chloride	2.83	84	899	Below Cal	#	94
25) 2-Butanone	4.65	43	619	0.249	ug/l #	45
31) Cyclohexane	5.62	56	6337	1.186	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24568	5.068	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31896	6.719	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	109055	23.681	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	109055	68.456	ug/l #	12

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

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Quant Time: Dec 11 02:46:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

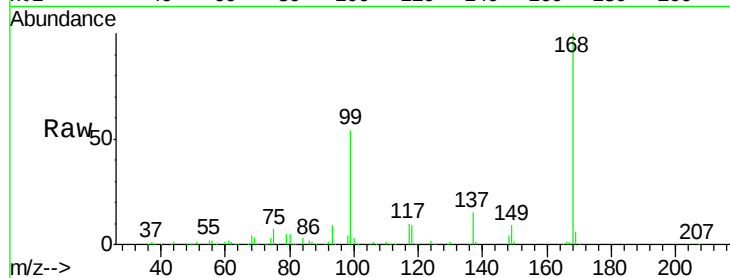
VX1210WBL02

Tgt Ion:168 Resp: 326857

Ion Ratio Lower Upper

168 100

99 54.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

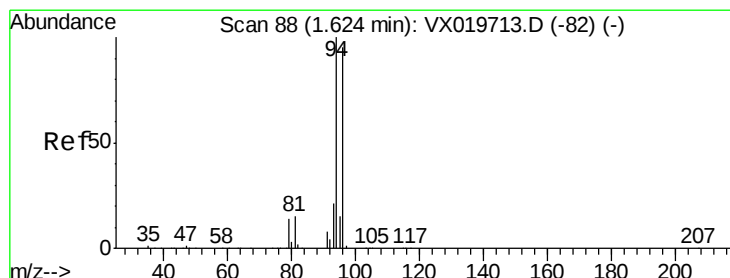
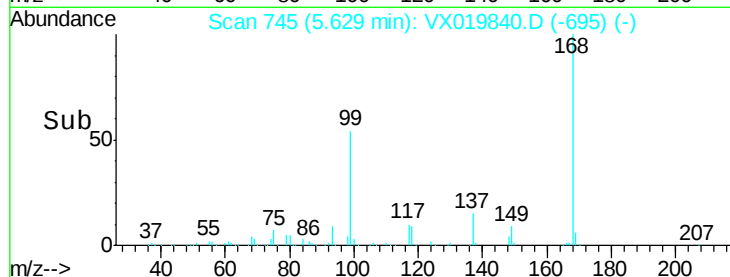
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.474 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019840.D

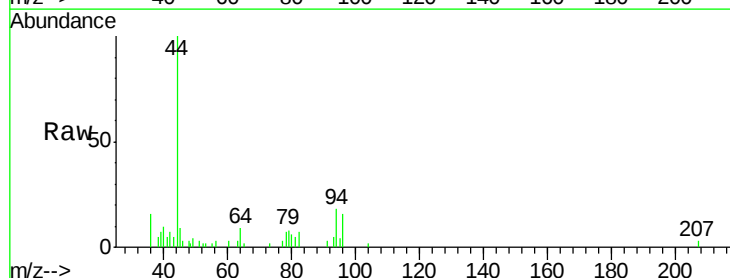
Acq: 10 Dec 2020 22:05

Tgt Ion: 94 Resp: 584

Ion Ratio Lower Upper

94 100

96 77.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

500

400

300

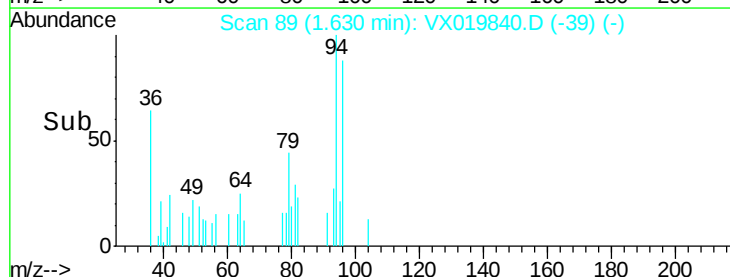
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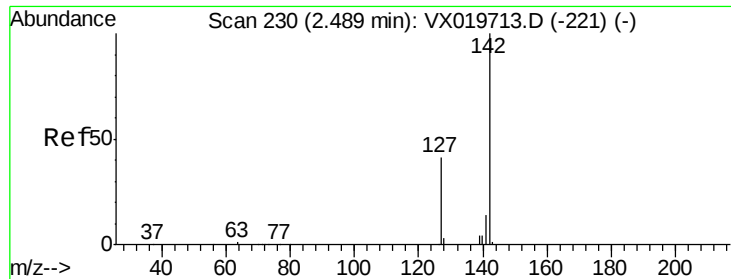
100

0

Time-->

1.60 1.62 1.64 1.66

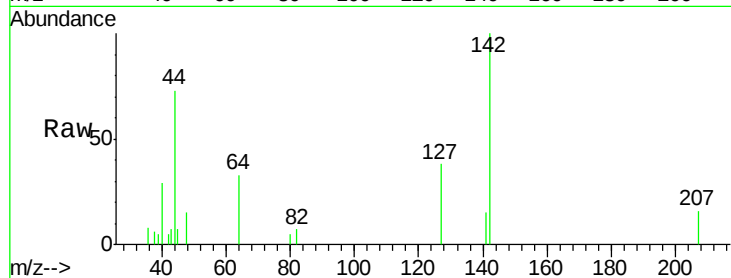




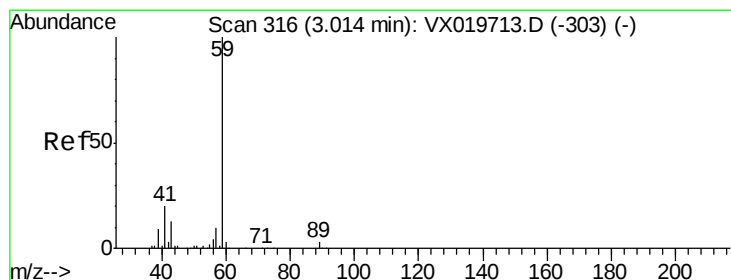
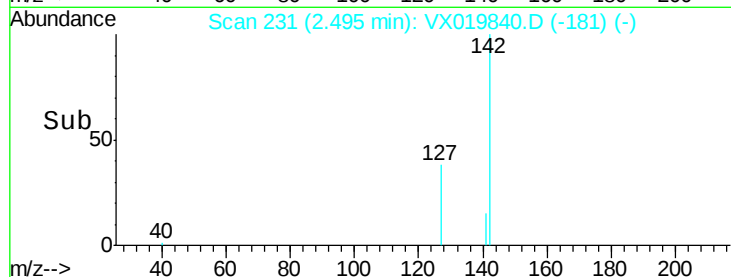
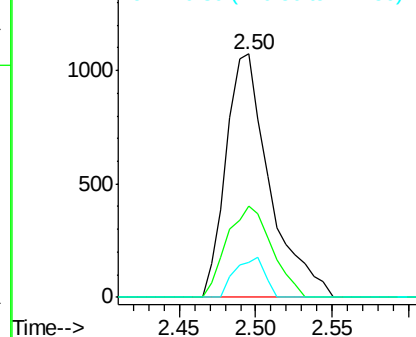
#10
Methyl Iodide
Concen: 0.486 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019840.D
Acq: 10 Dec 2020 22:05

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

Tgt Ion: 142 Resp: 2124
Ion Ratio Lower Upper
142 100
127 38.7 33.3 49.9
141 11.1 11.4 17.0#

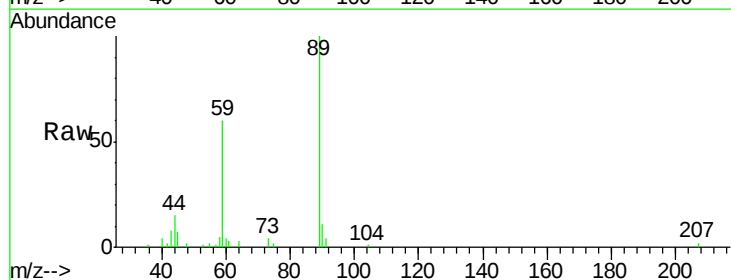


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

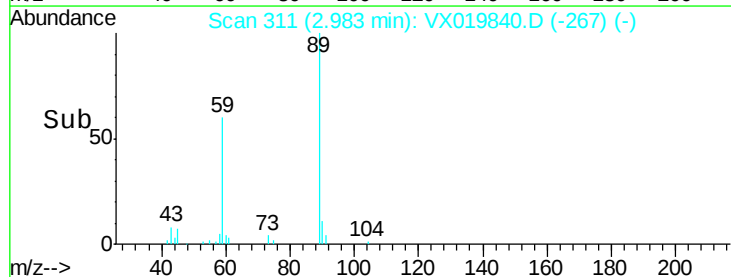
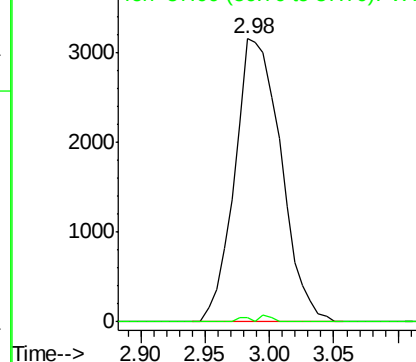


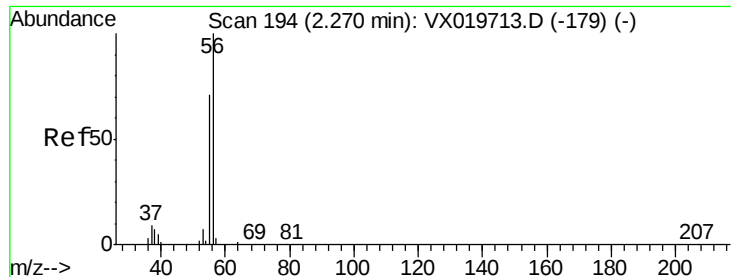
#11
Tert butyl alcohol
Concen: 6.336 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX019840.D
Acq: 10 Dec 2020 22:05

Tgt Ion: 59 Resp: 7845
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.820 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampled :

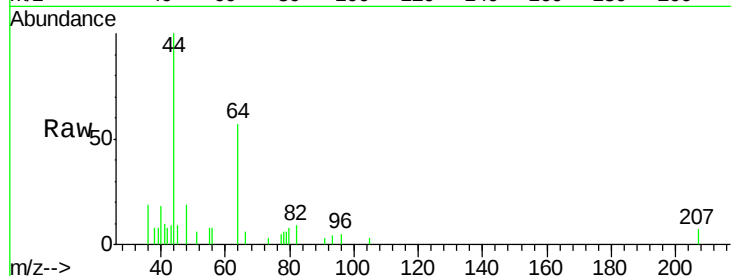
VX1210WBL02

Tgt Ion: 56 Resp: 389

Ion Ratio Lower Upper

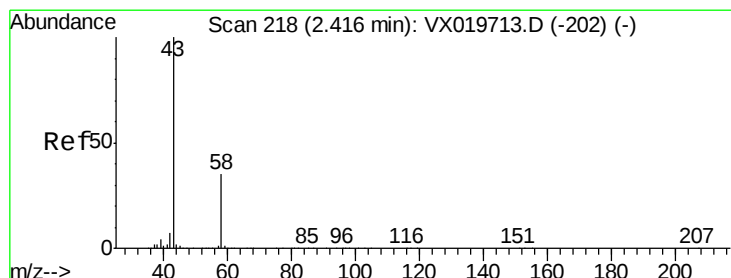
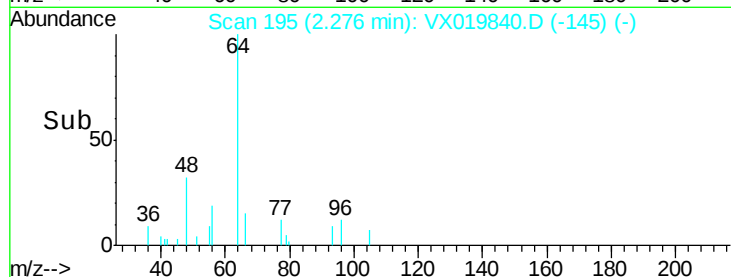
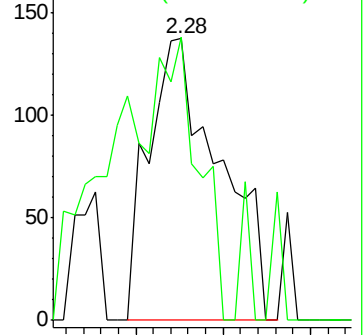
56 100

55 56.6 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.909 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX019840.D

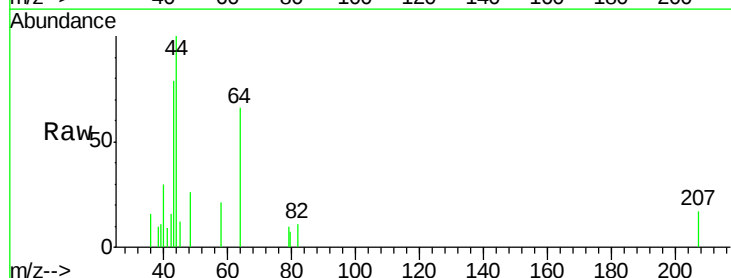
Acq: 10 Dec 2020 22:05

Tgt Ion: 43 Resp: 1468

Ion Ratio Lower Upper

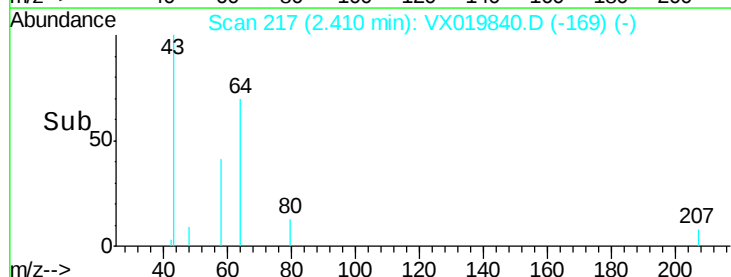
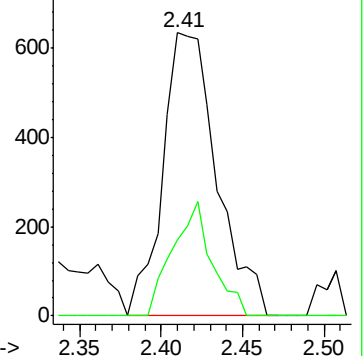
43 100

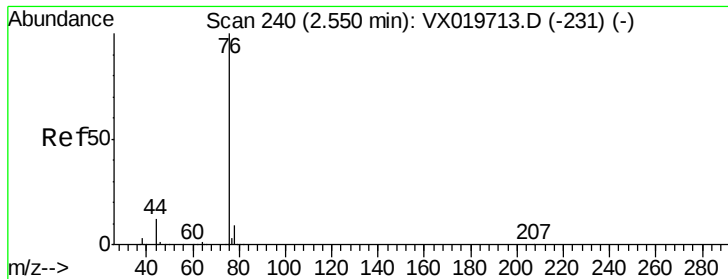
58 27.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

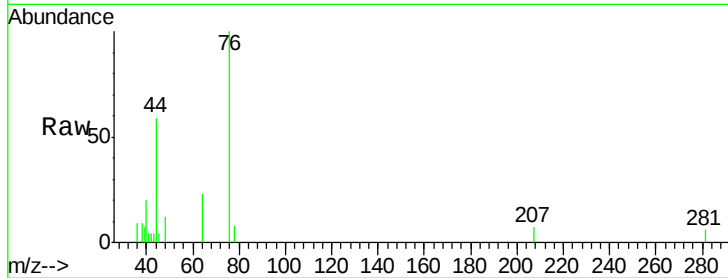
VX1210WBL02

Tgt Ion: 76 Resp: 1931

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

1500

1000

500

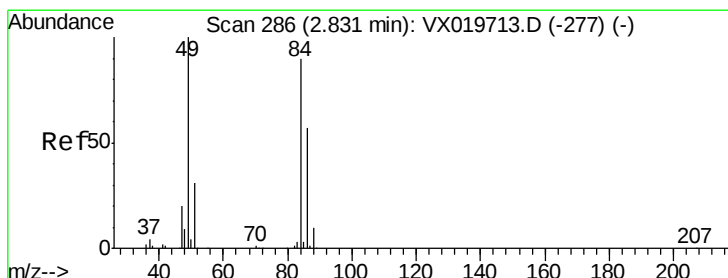
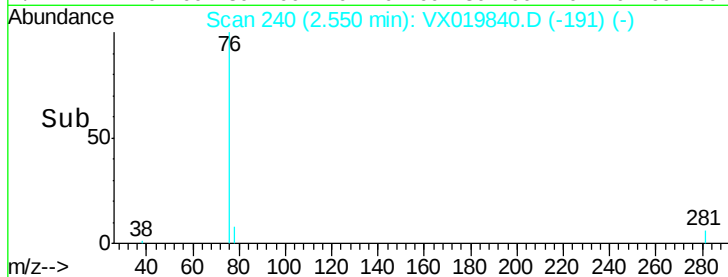
0

Time-->

2.50

2.55

2.60



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Tgt Ion: 84 Resp: 899

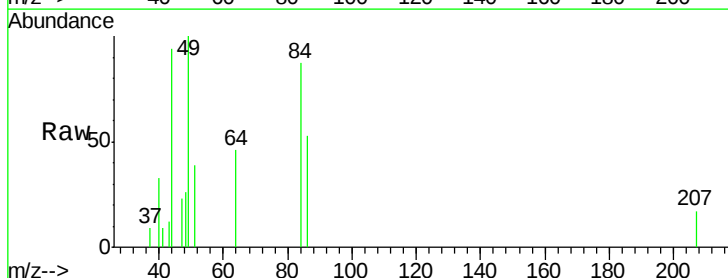
Ion Ratio Lower Upper

84 100

49 114.8 88.6 132.8

51 44.5 27.0 40.6#

86 60.7 50.3 75.5



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

800

600

400

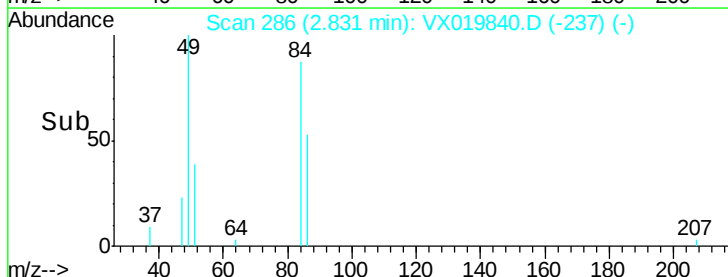
200

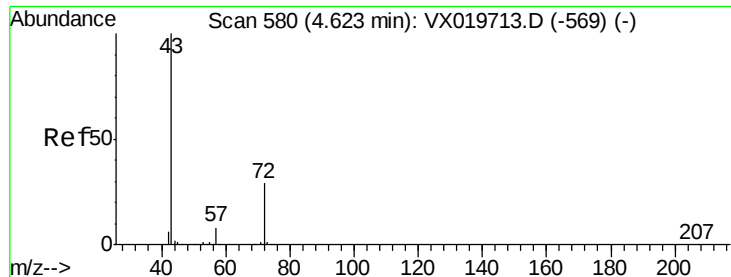
0

Time-->

2.80

2.85





#25

2-Butanone

Concen: 0.249 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.03 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

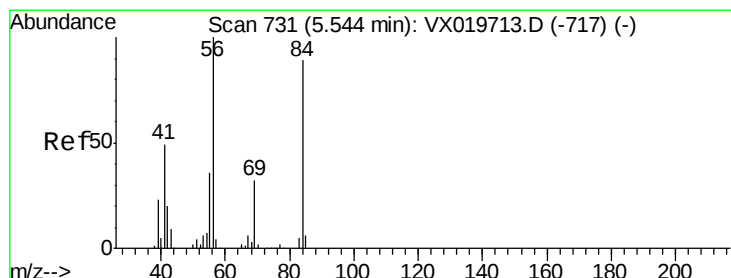
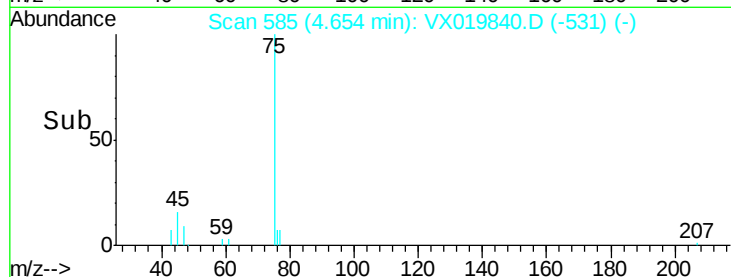
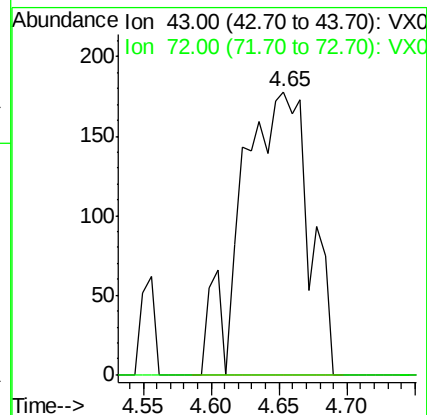
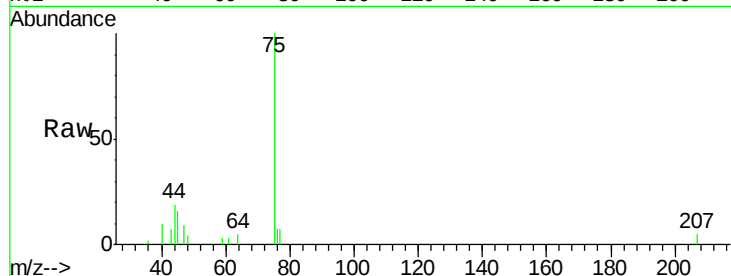
VX1210WBL02

Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

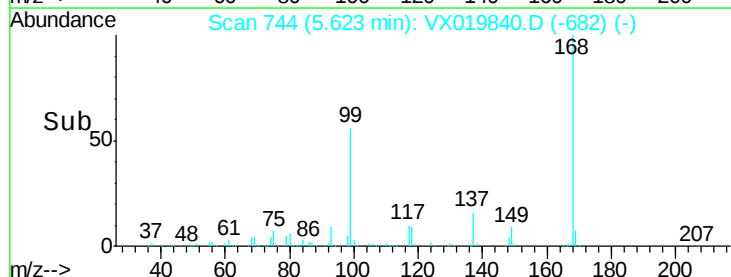
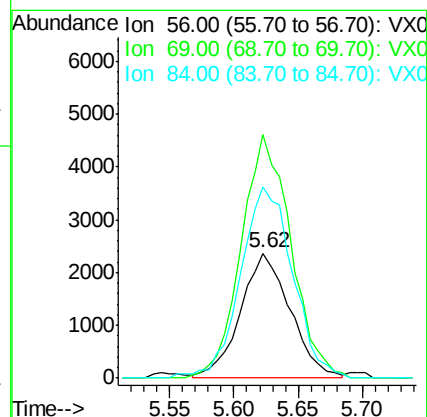
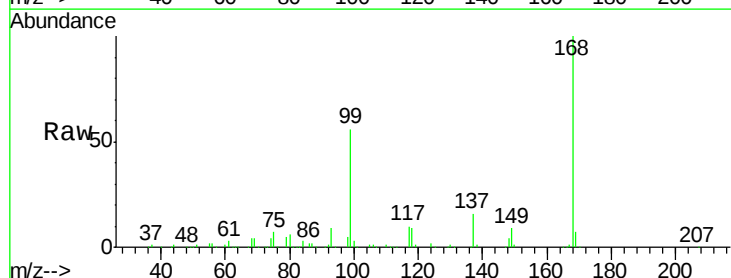
Tgt Ion: 56 Resp: 6337

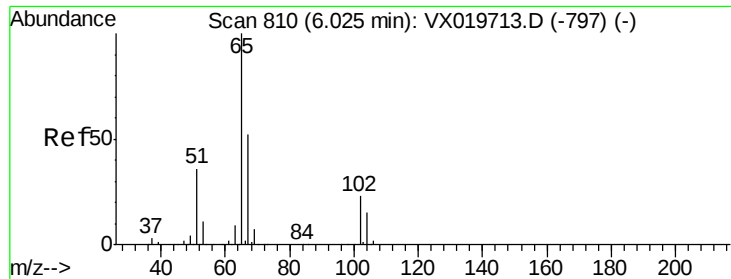
Ion Ratio Lower Upper

56 100

69 197.1 25.3 37.9#

84 153.8 71.4 107.0#

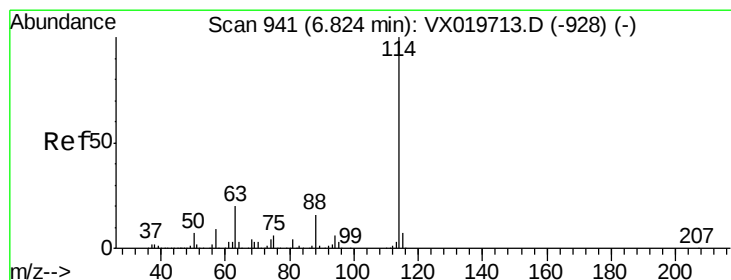
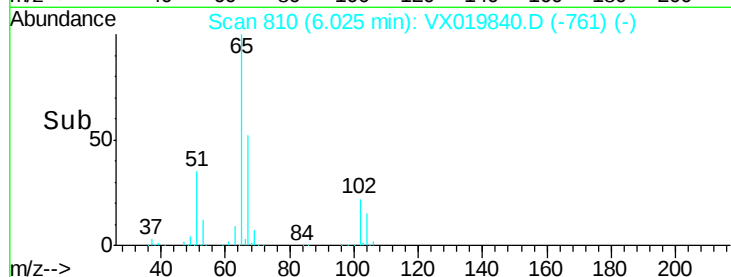
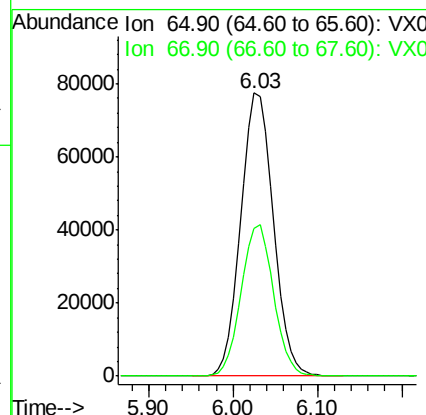
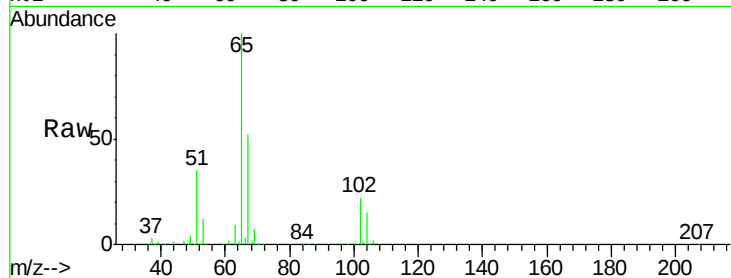




#33
 1,2-Dichloroethane-d4
 Concen: 47.306 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019840.D
 Acq: 10 Dec 2020 22:05

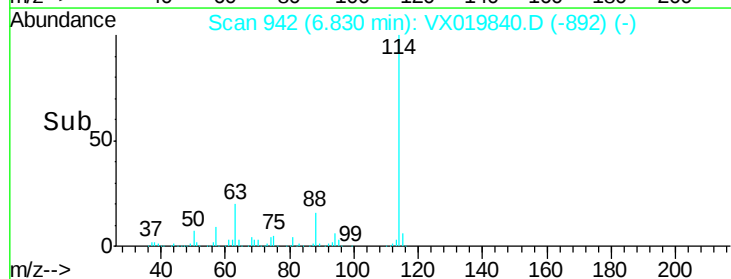
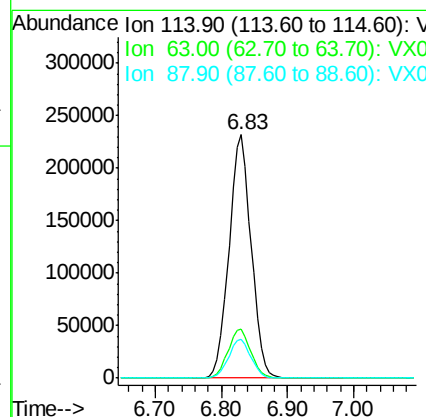
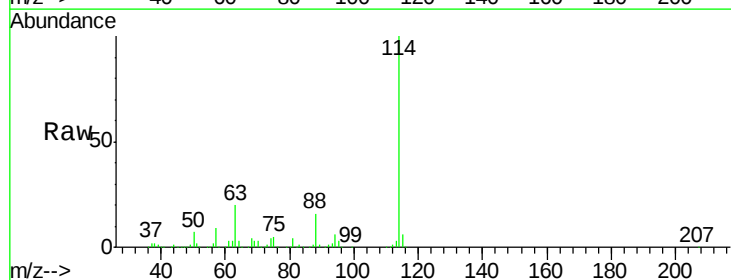
Instrument :
 MSVOA_X
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 VX1210WBL02

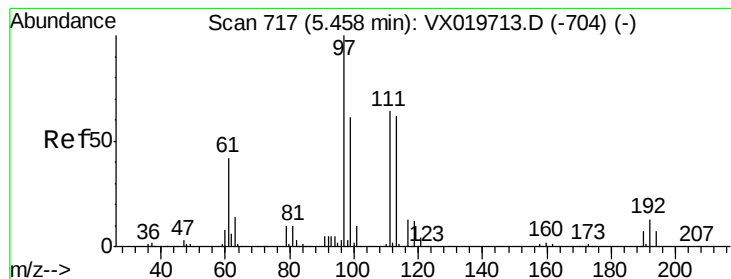
Tgt Ion: 65 Resp: 203220
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019840.D
 Acq: 10 Dec 2020 22:05

Tgt Ion: 114 Resp: 536442
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.999 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

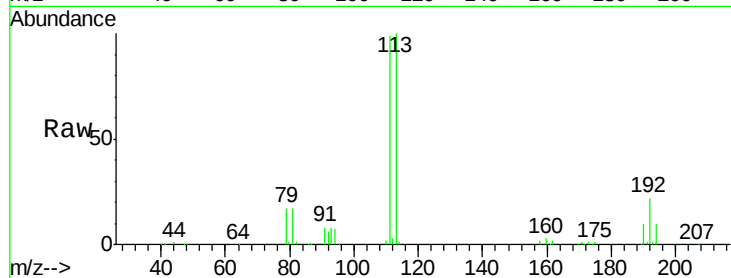
Tgt Ion:113 Resp: 166411

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

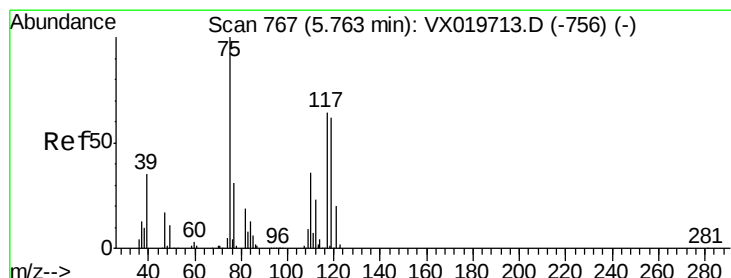
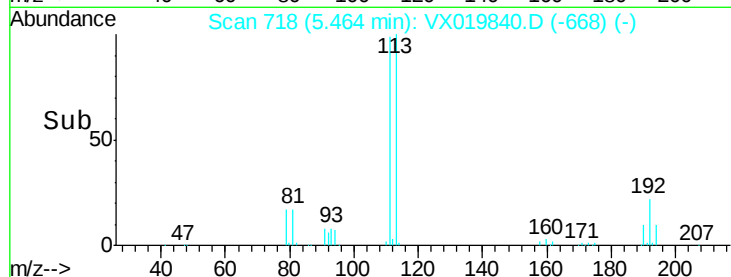
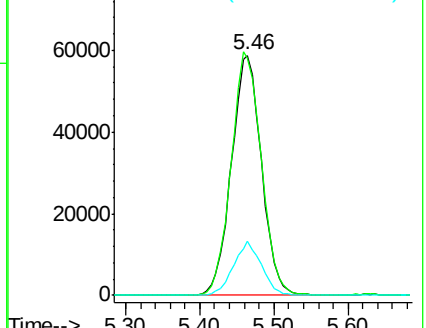
192 21.0 16.7 25.1



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: 5.068 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

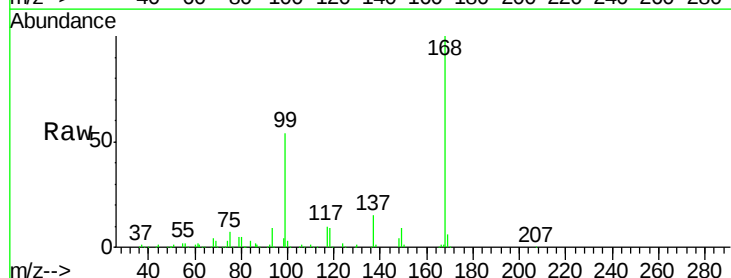
Tgt Ion: 75 Resp: 24568

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

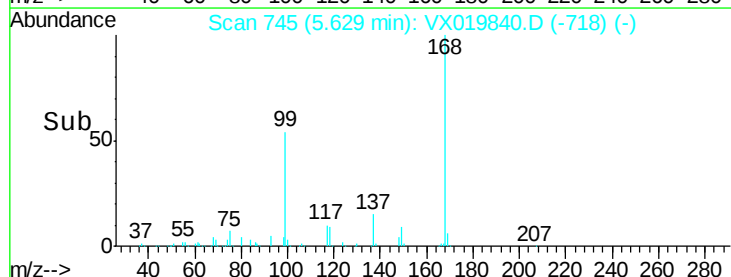
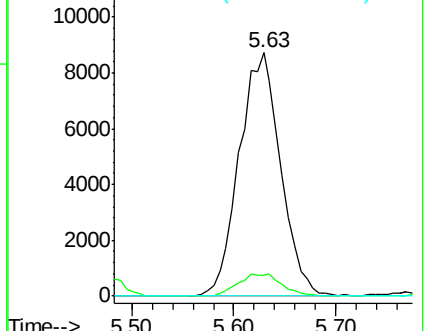
77 0.0 25.3 37.9#

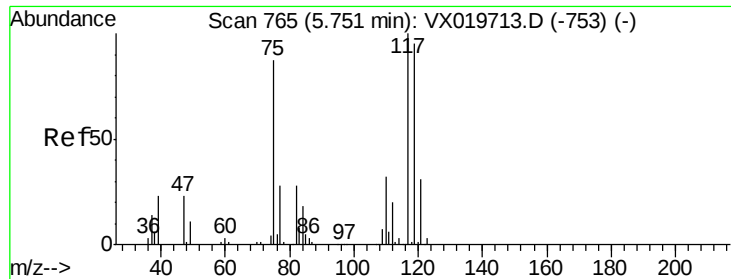


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

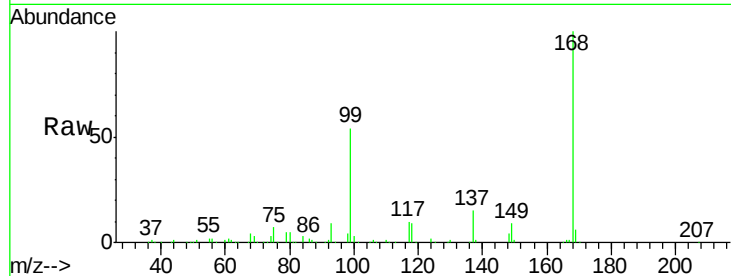




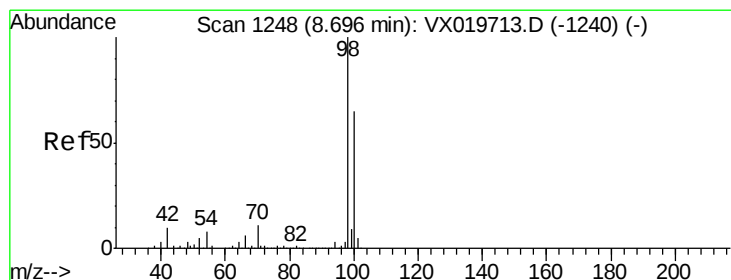
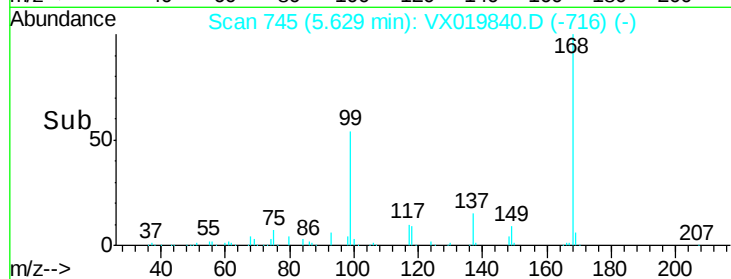
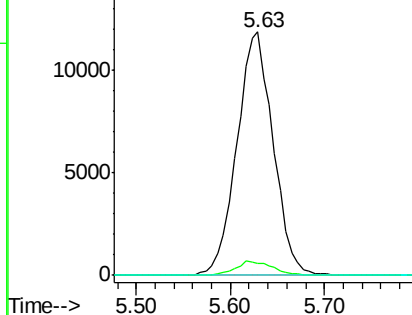
#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019840.D
Acq: 10 Dec 2020 22:05

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

Tgt Ion:117 Resp: 31896
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

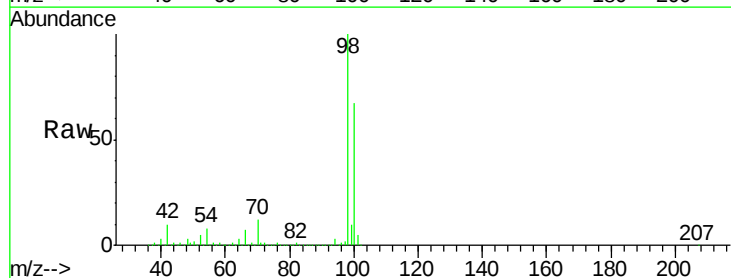


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

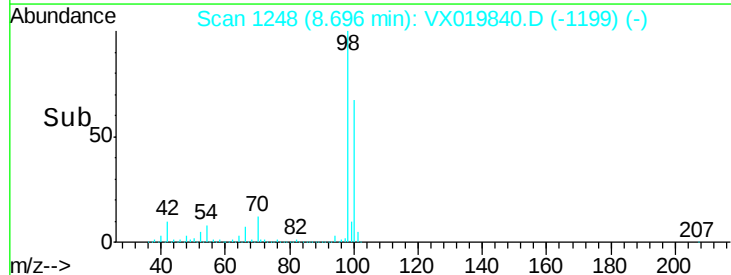
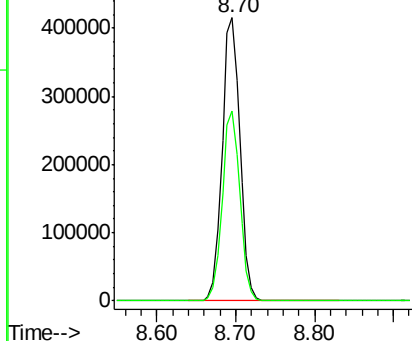


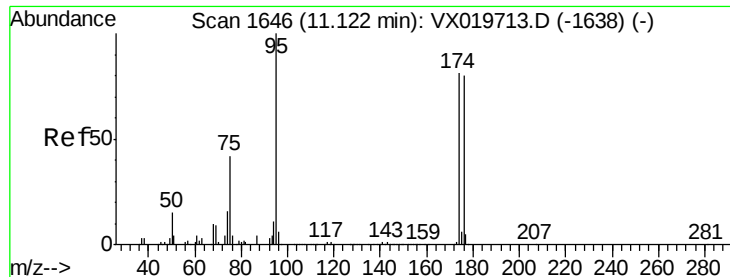
#50
Toluene-d8
Concen: 49.177 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019840.D
Acq: 10 Dec 2020 22:05

Tgt Ion: 98 Resp: 650896
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.724 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

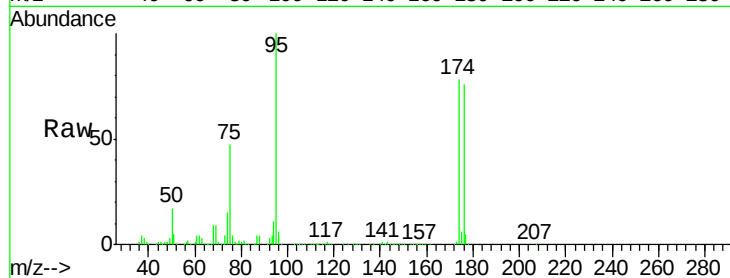
Tgt Ion: 95 Resp: 225310

Ion Ratio Lower Upper

95 100

174 77.9 0.0 154.6

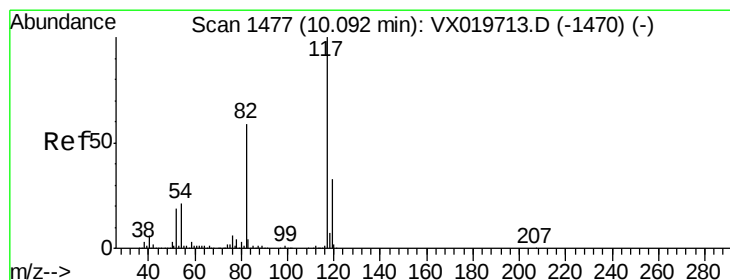
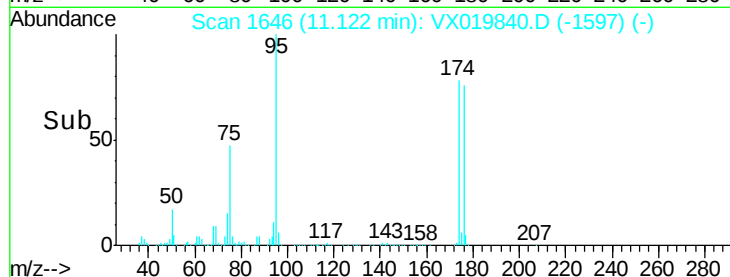
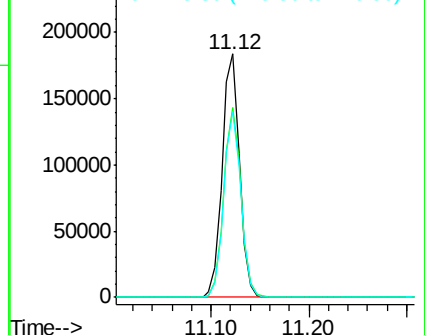
176 75.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

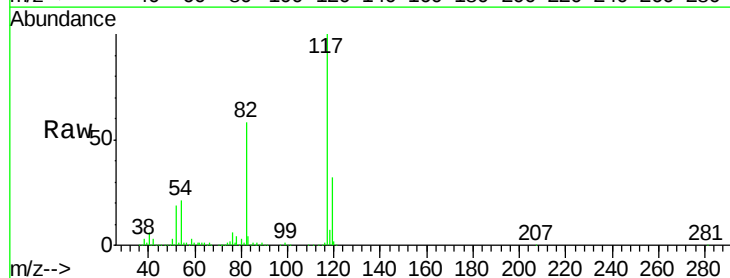
Tgt Ion: 117 Resp: 486471

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.2

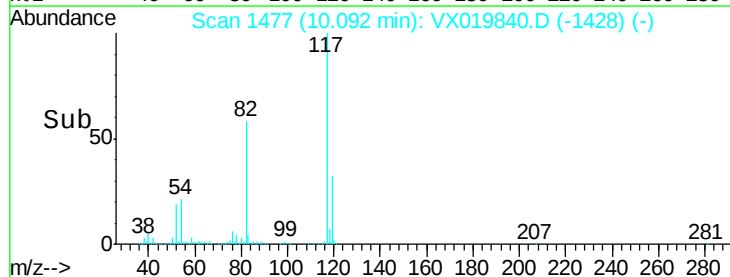
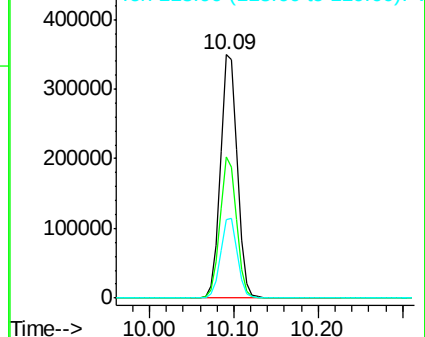
119 32.3 26.6 39.8

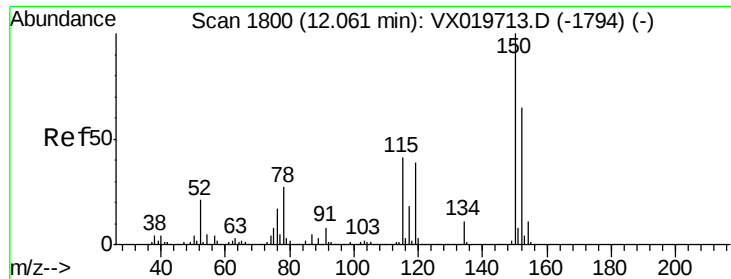


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

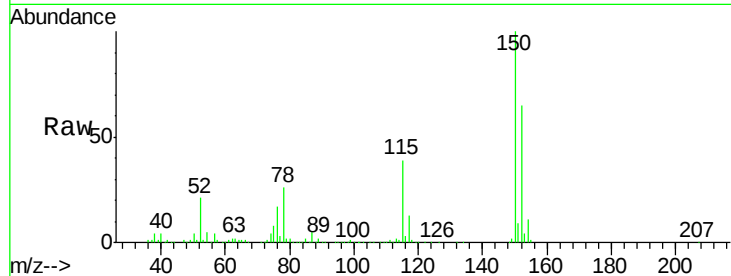
Tgt Ion:152 Resp: 205332

Ion Ratio Lower Upper

152 100

115 60.5 41.1 123.3

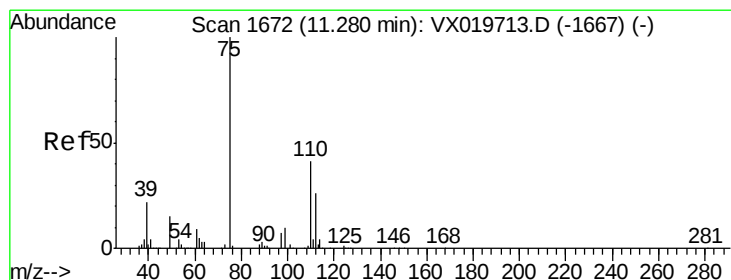
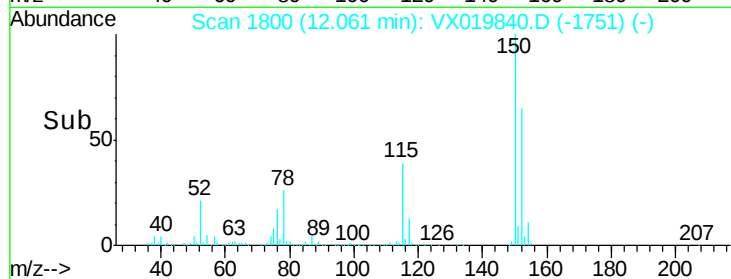
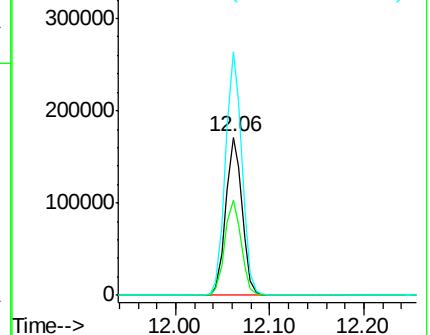
150 155.0 0.0 349.0



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: 23.681 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019840.D

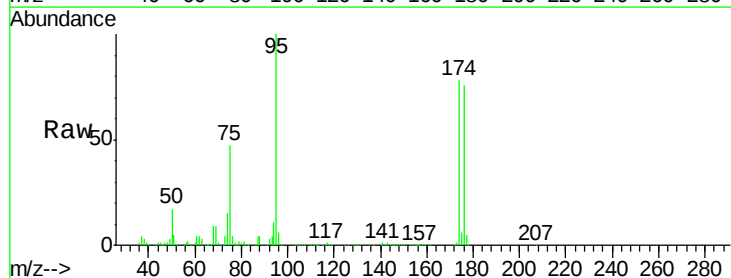
Acq: 10 Dec 2020 22:05

Tgt Ion: 75 Resp: 109055

Ion Ratio Lower Upper

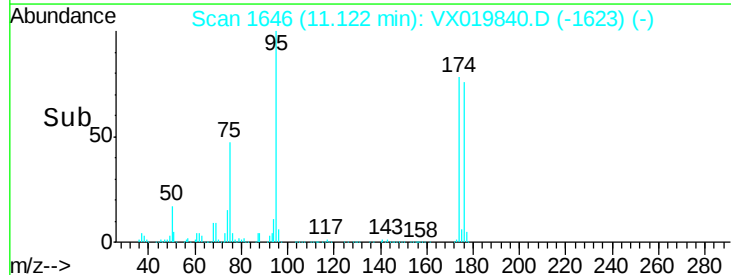
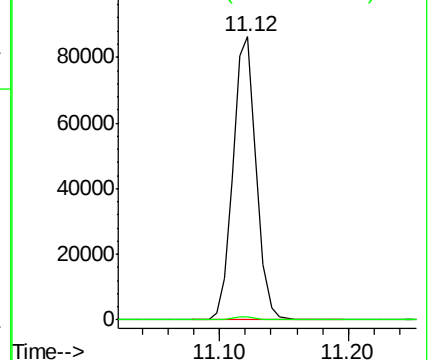
75 100

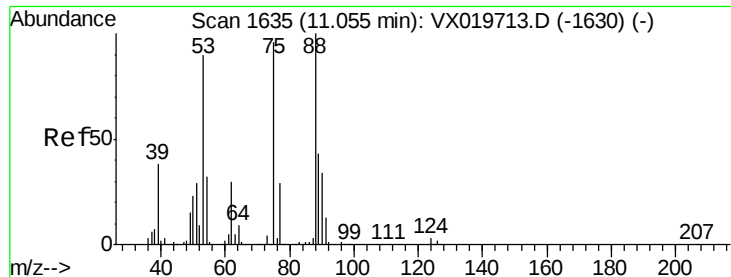
77 1.2 19.1 57.5#



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: 68.456 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019840.D

Acq: 10 Dec 2020 22:05

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

Tgt Ion: 75 Resp: 109055

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

