

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016235.D
 Acq On : 14 May 2020 16:46
 Operator : JC/SP
 Sample : L2643-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW101-200513

Quant Time: May 15 01:34:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	258348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	417393	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	417847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217166	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	155148	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
35) Dibromofluoromethane	5.47	113	123999	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.70	98	523681	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.12	95	209600	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	

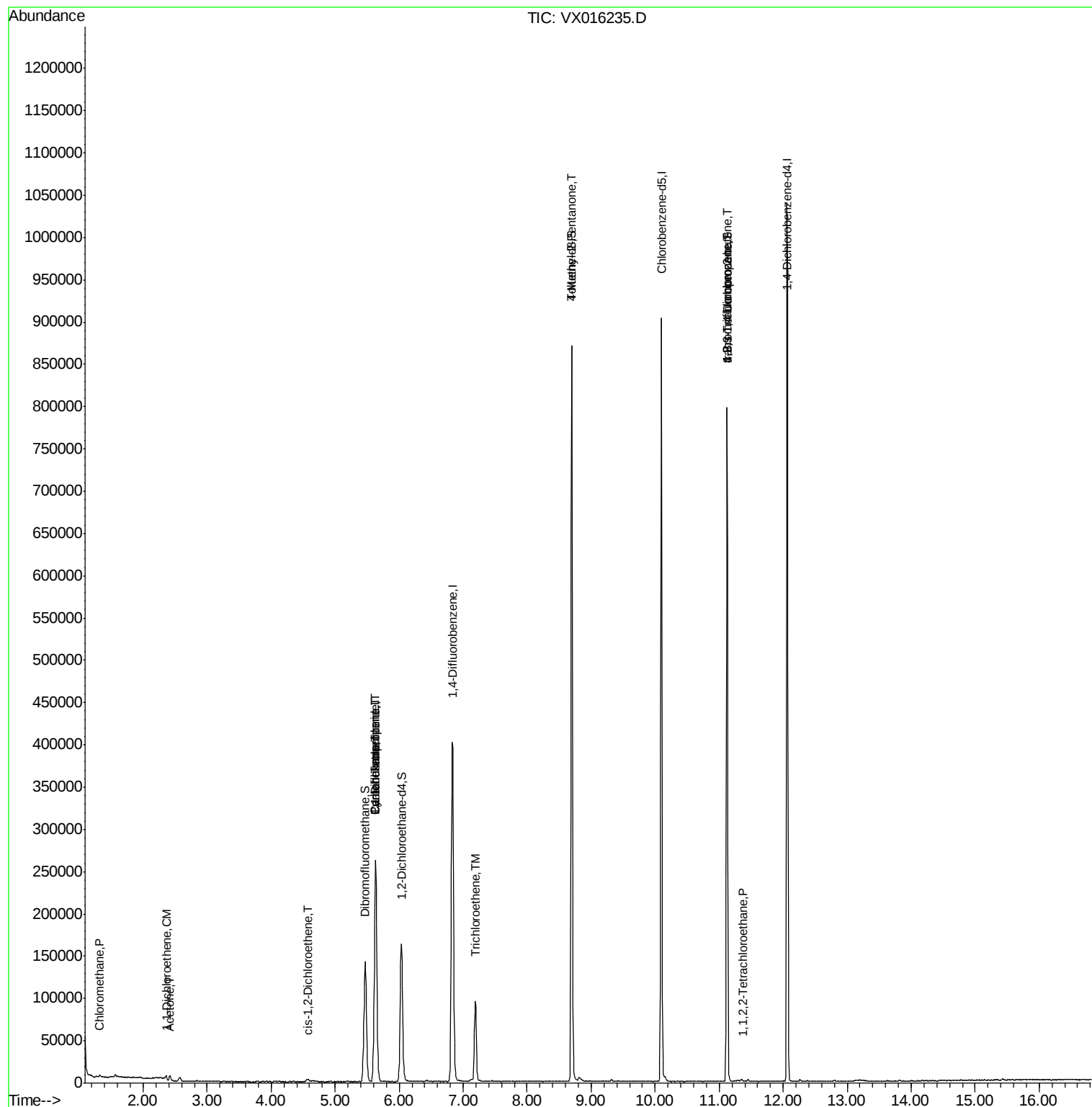
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	997	0.31	ug/l	95
12) 1,1-Dichloroethene	2.36	96	1495	0.56	ug/l #	73
16) Acetone	2.42	43	5565	3.67	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	1788	0.55	ug/l	91
31) Cyclohexane	5.64	56	4719	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18634	4.54	ug/l #	49
38) Carbon Tetrachloride	5.64	117	24422	5.85	ug/l #	14
44) Trichloroethene	7.19	130	37287	8.73	ug/l	97
51) 4-Methyl-2-Pentanone	8.70	43	2072	0.45	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.37	83	42	2.06	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	102151	20.73	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	102151	49.40	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

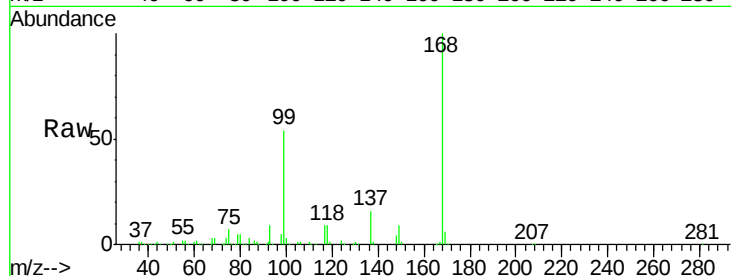
SS052MW101-200513

Tgt Ion:168 Resp: 258348

Ion Ratio Lower Upper

168 100

99 54.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

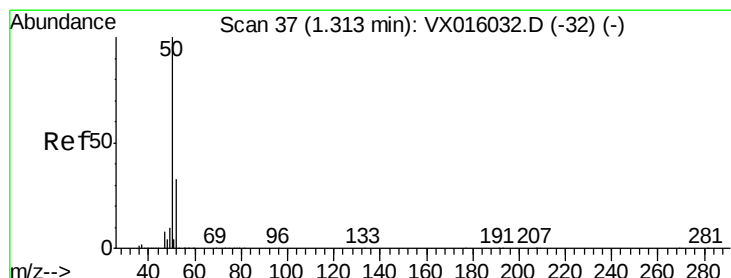
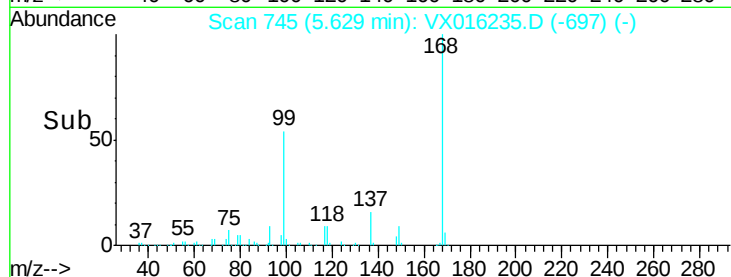
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016235.D

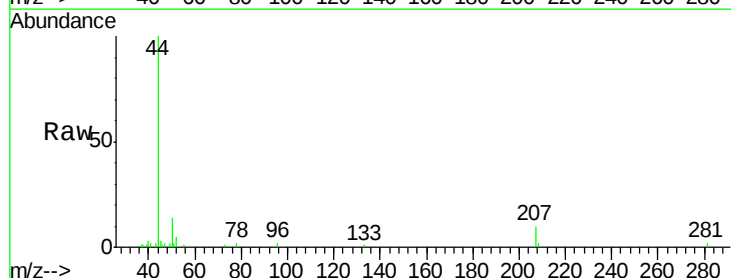
Acq: 14 May 2020 16:46

Tgt Ion: 50 Resp: 997

Ion Ratio Lower Upper

50 100

52 35.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

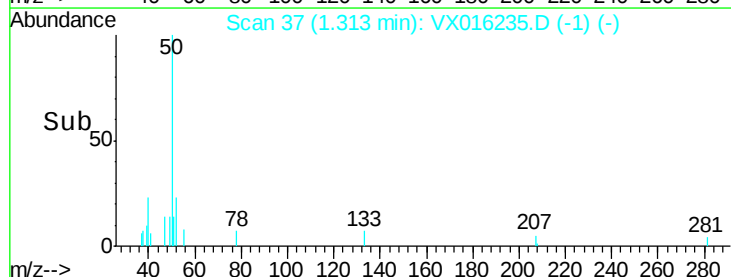
400

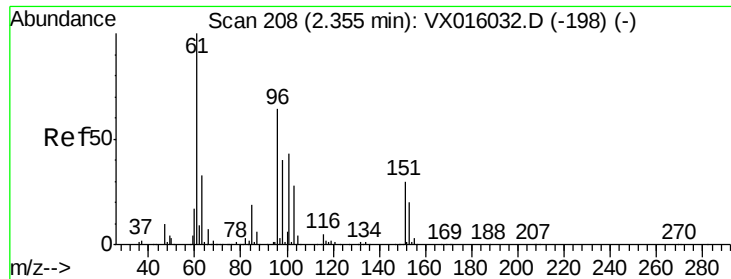
200

0

1.30 1.35

Time-->





#12

1,1-Dichloroethene

Concen: 0.56 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW101-200513

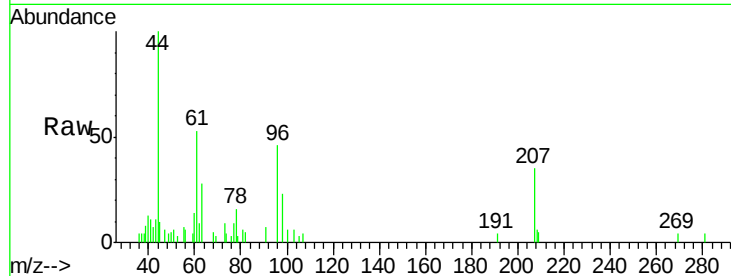
Tgt Ion: 96 Resp: 1495

Ion Ratio Lower Upper

96 100

61 115.0 124.8 187.2#

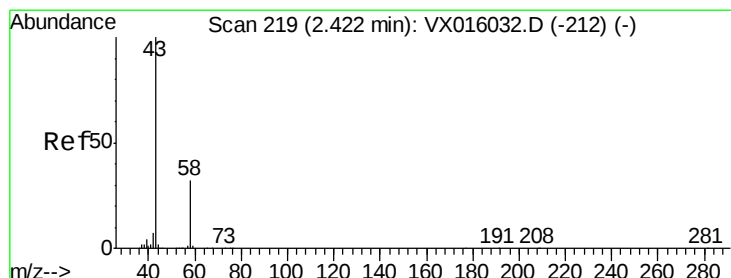
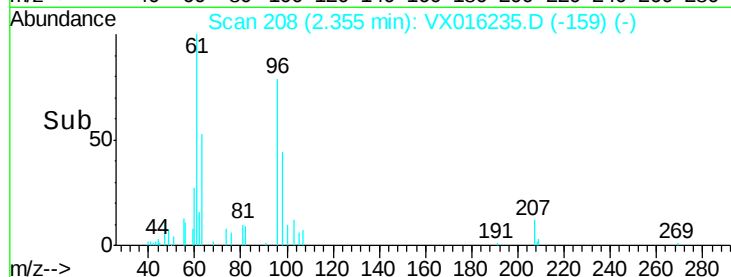
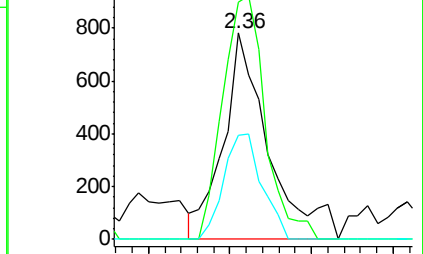
98 50.6 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 3.67 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016235.D

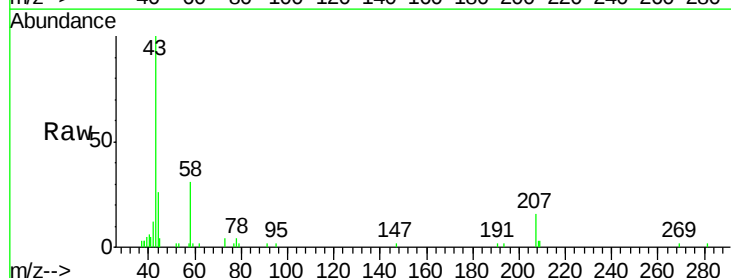
Acq: 14 May 2020 16:46

Tgt Ion: 43 Resp: 5565

Ion Ratio Lower Upper

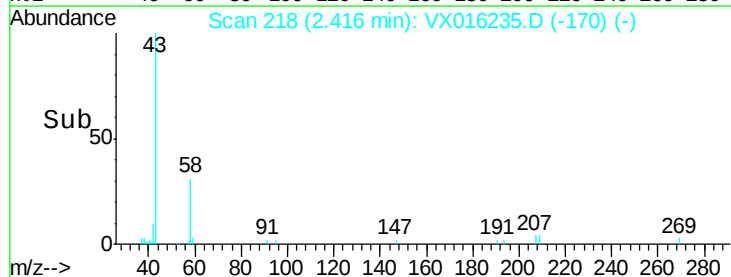
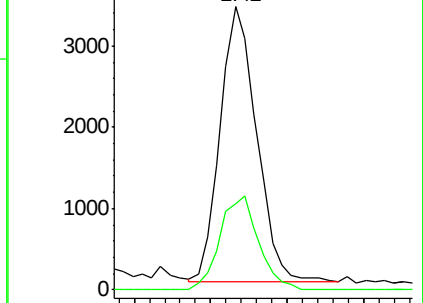
43 100

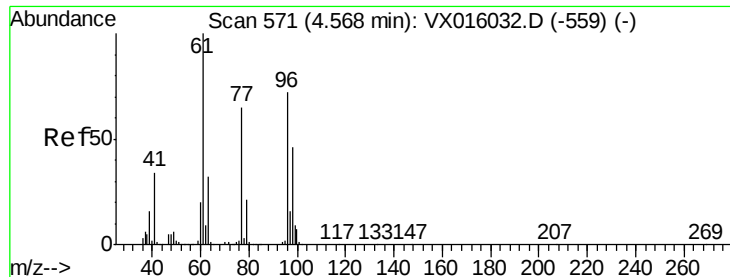
58 31.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.55 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW101-200513

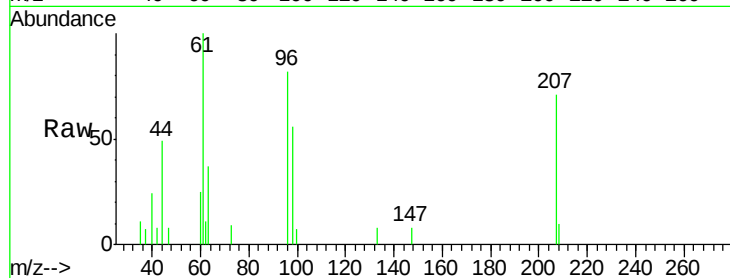
Tgt Ion: 96 Resp: 1788

Ion Ratio Lower Upper

96 100

61 137.5 0.0 296.2

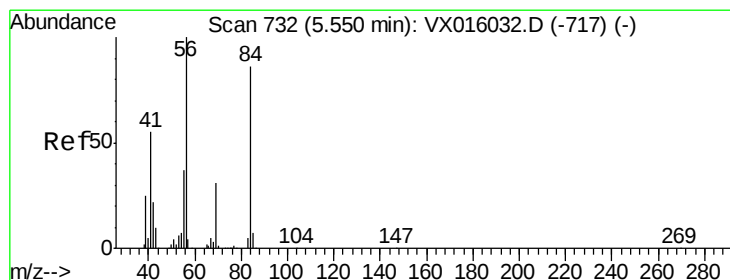
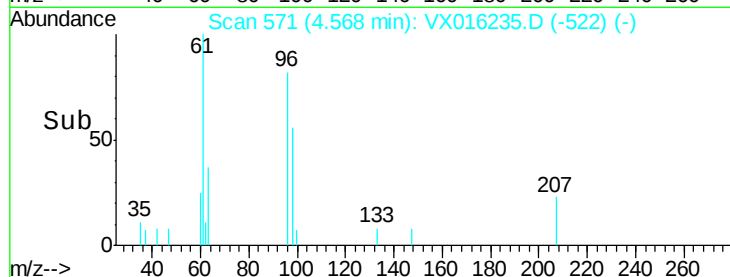
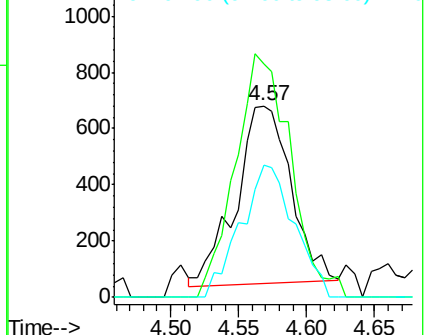
98 72.4 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

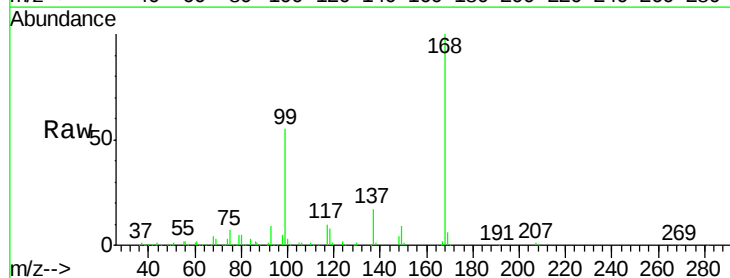
Tgt Ion: 56 Resp: 4719

Ion Ratio Lower Upper

56 100

69 174.5 25.0 37.6#

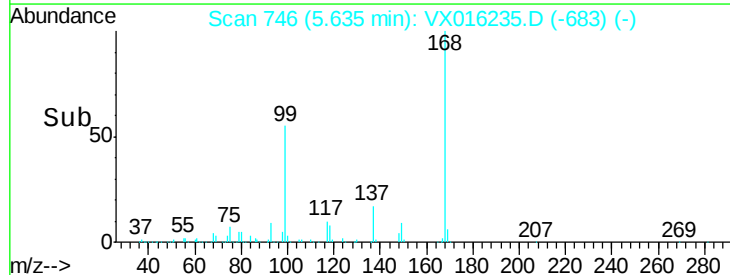
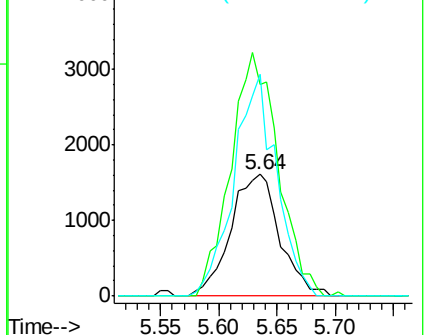
84 182.2 69.0 103.6#

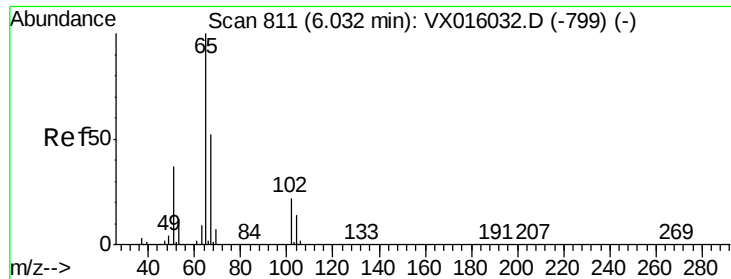


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.64 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

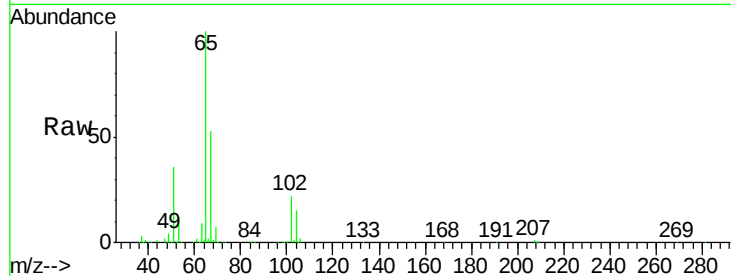
SS052MW101-200513

Tgt Ion: 65 Resp: 155148

Ion Ratio Lower Upper

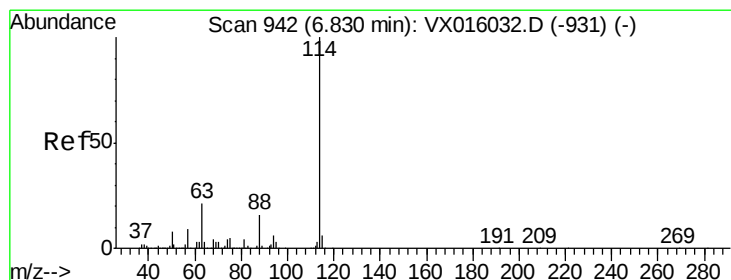
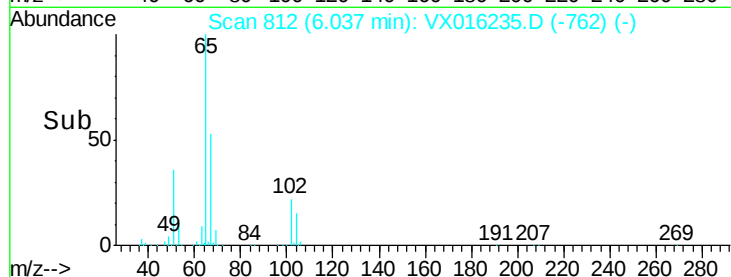
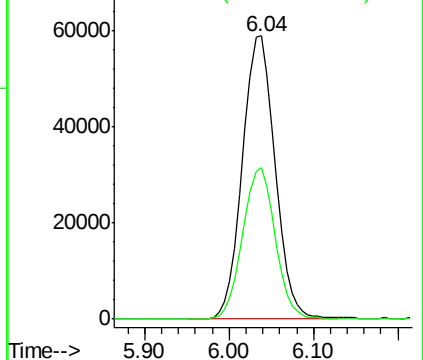
65 100

67 53.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

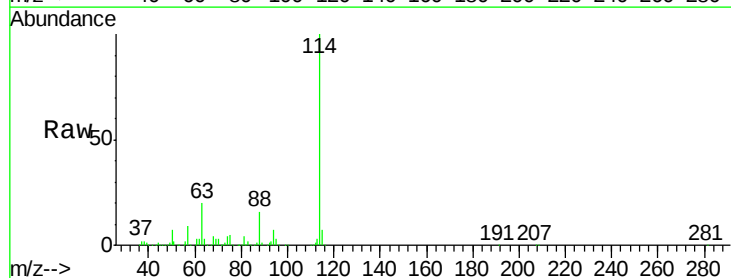
Tgt Ion: 114 Resp: 417393

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

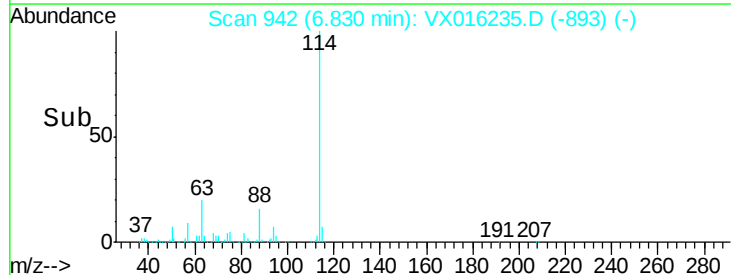
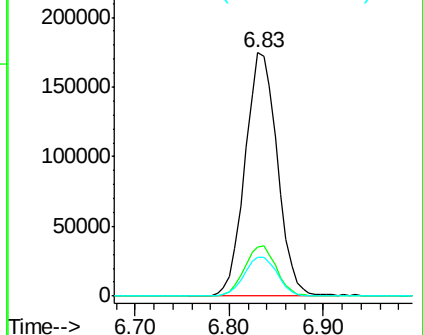
88 16.0 0.0 31.4

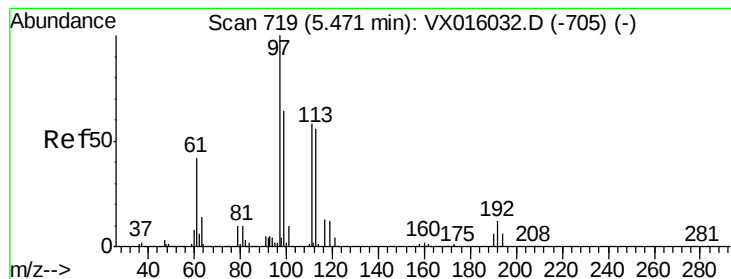


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.89 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

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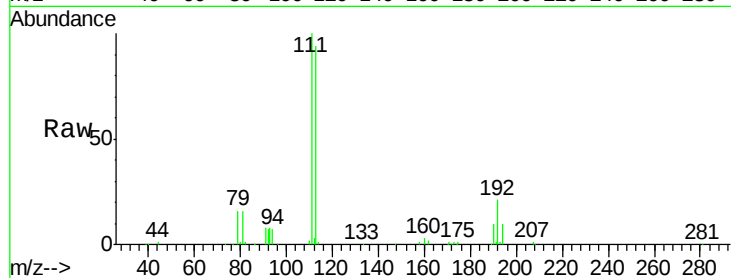
Tgt Ion:113 Resp: 123999

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

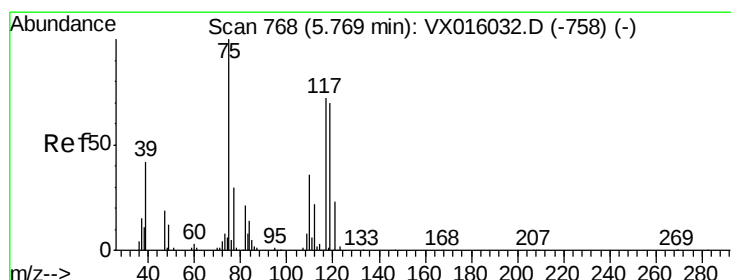
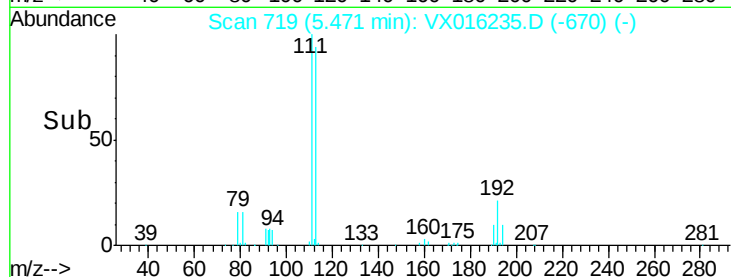
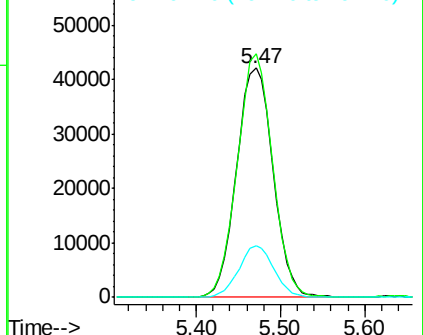
192 21.5 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.54 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

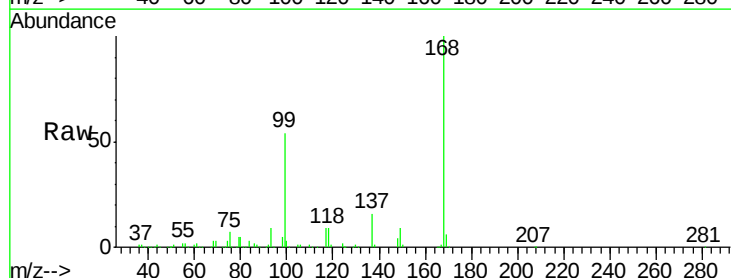
Tgt Ion: 75 Resp: 18634

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

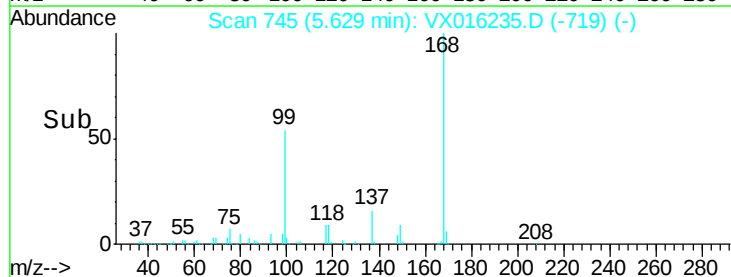
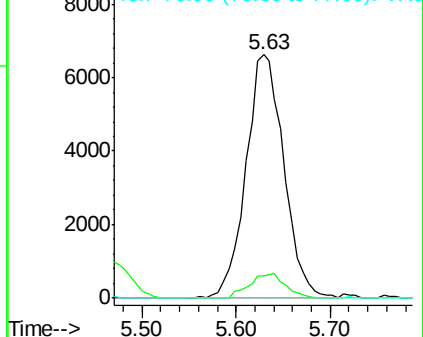
77 0.0 25.0 37.6#

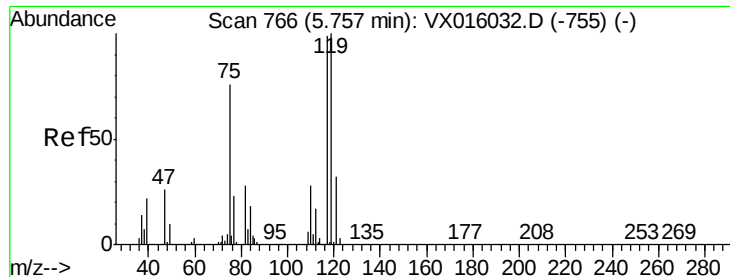


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.85 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

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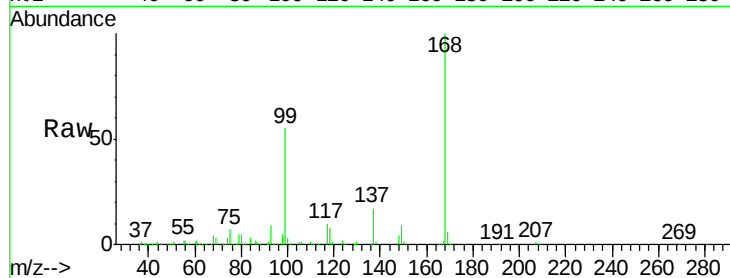
Tgt Ion:117 Resp: 24422

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

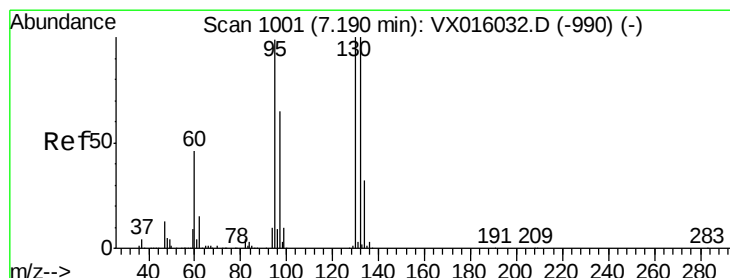
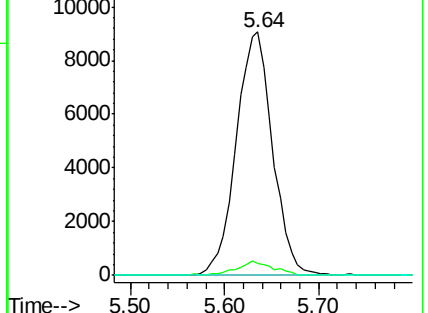
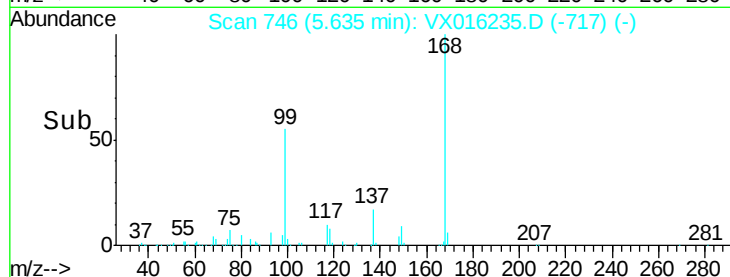
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 8.73 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016235.D

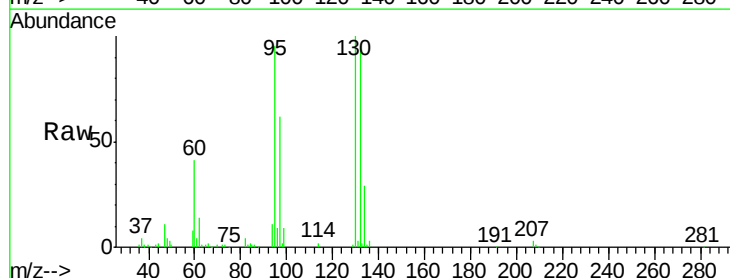
Acq: 14 May 2020 16:46

Tgt Ion:130 Resp: 37287

Ion Ratio Lower Upper

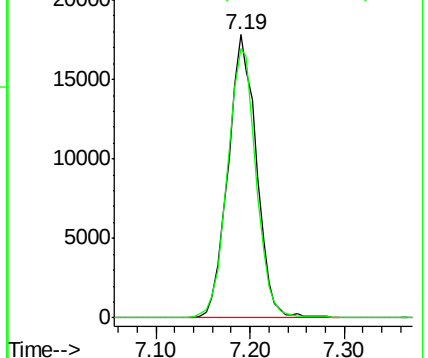
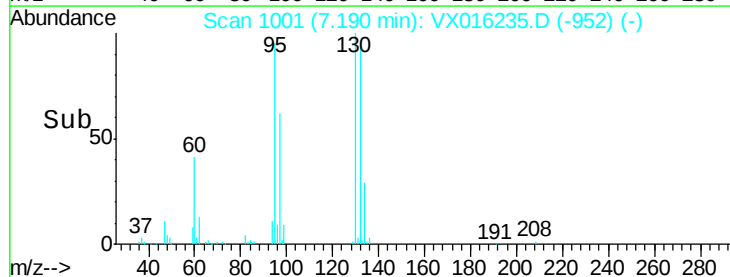
130 100

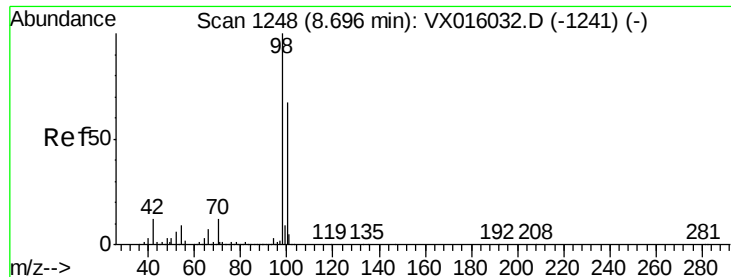
95 95.3 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

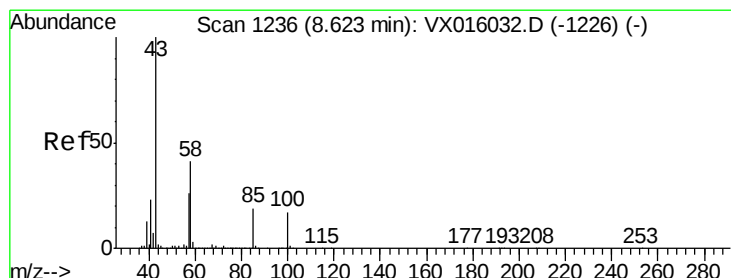
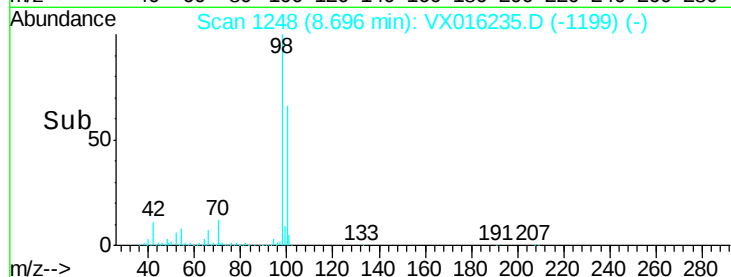
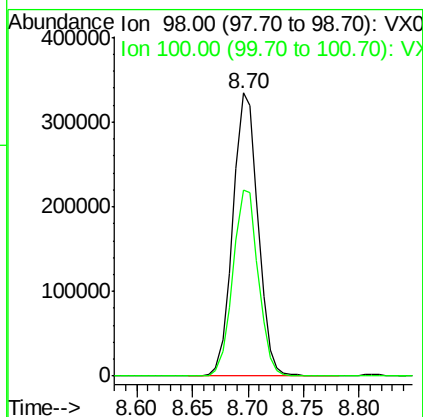
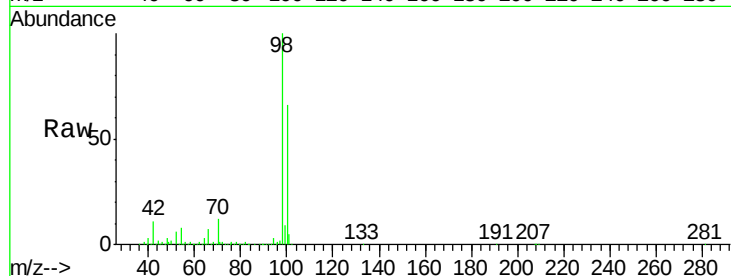




#50
Toluene-d8
Concen: 51.40 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016235.D
Acq: 14 May 2020 16:46

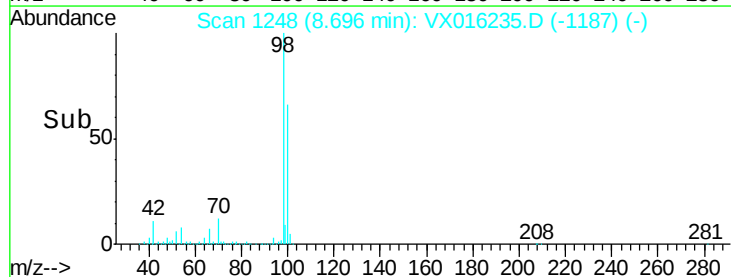
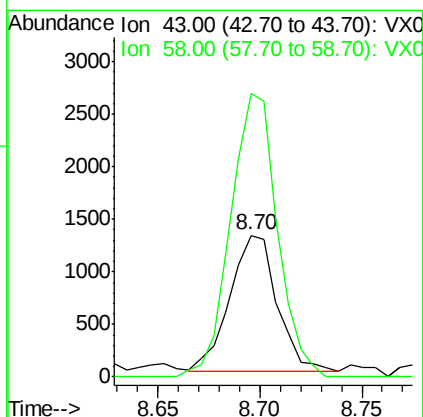
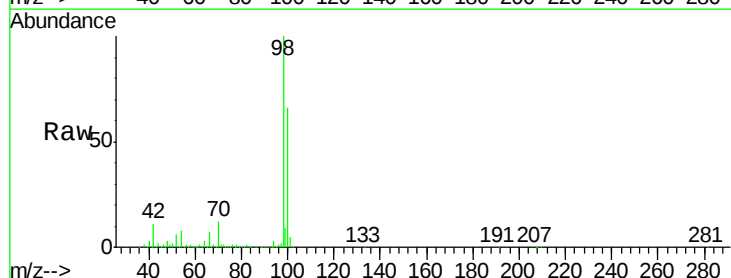
Instrument :
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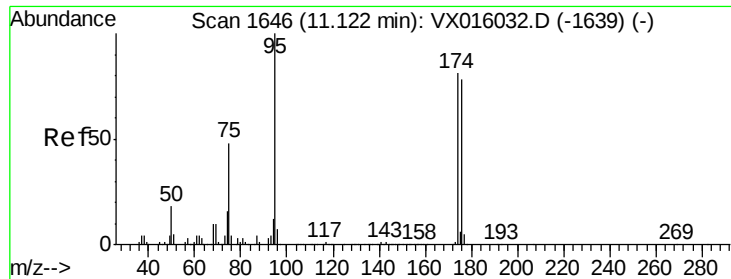
Tgt Ion: 98 Resp: 523681
Ion Ratio Lower Upper
98 100
100 66.5 53.7 80.5



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.07 min
Lab File: VX016235.D
Acq: 14 May 2020 16:46

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
58 206.9 33.0 49.4#





#62

4-Bromofluorobenzene

Concen: 54.09 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW101-200513

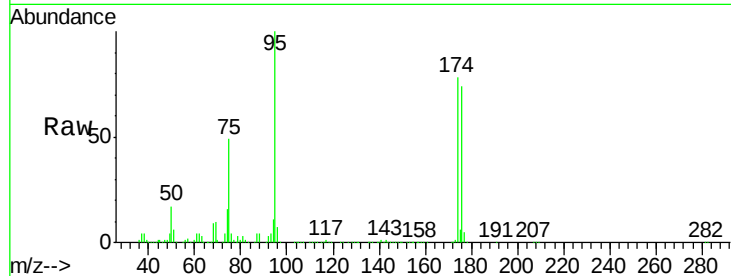
Tgt Ion: 95 Resp: 209600

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.4

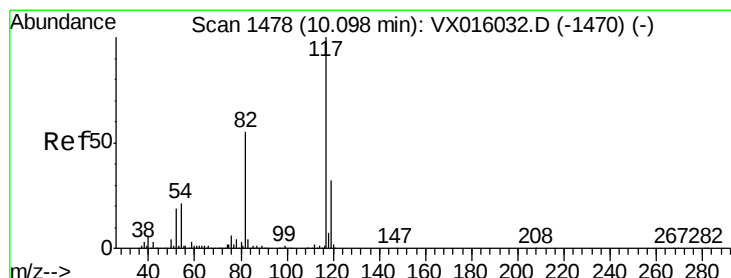
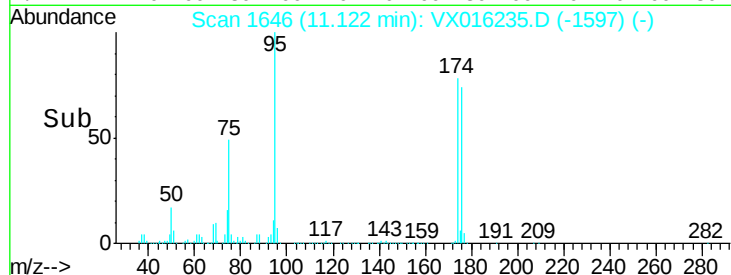
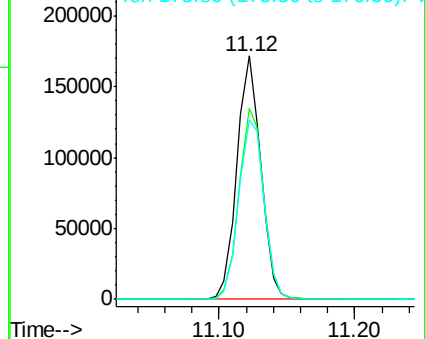
176 78.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016235.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016235.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016235.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

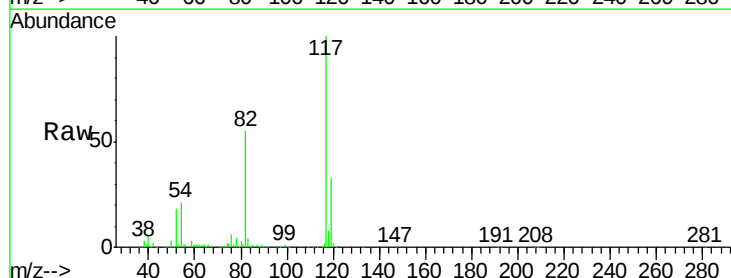
Tgt Ion: 117 Resp: 417847

Ion Ratio Lower Upper

117 100

82 55.2 44.4 66.6

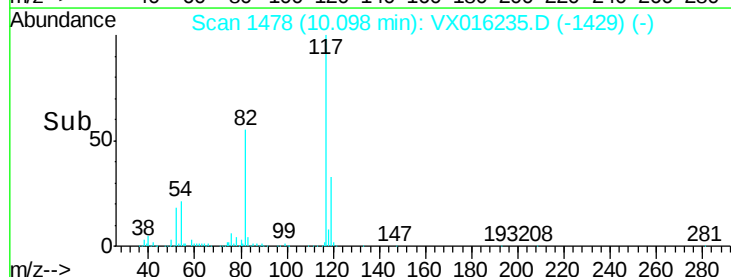
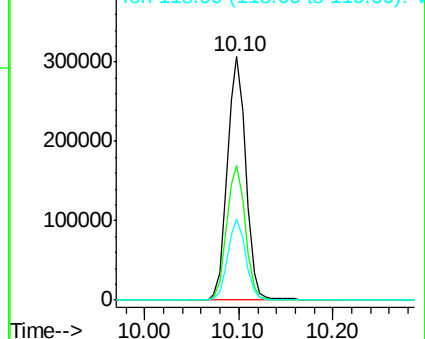
119 33.1 25.5 38.3

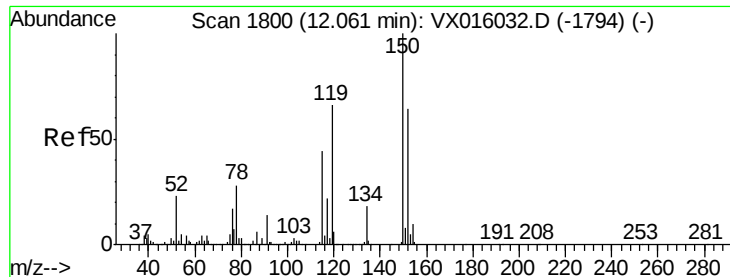


Abundance Ion 116.90 (116.60 to 117.60): VX016235.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016235.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016235.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW101-200513

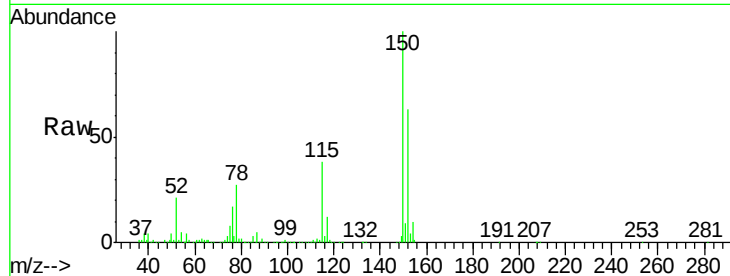
Tgt Ion: 152 Resp: 217166

Ion Ratio Lower Upper

152 100

115 58.0 41.3 124.1

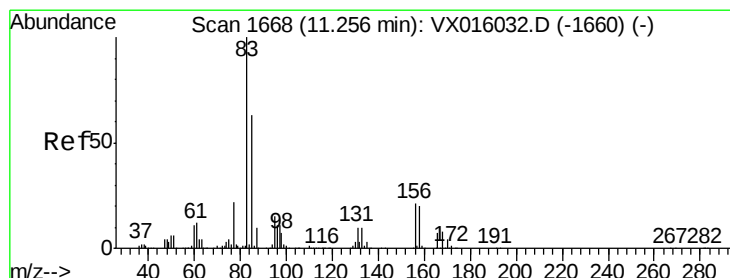
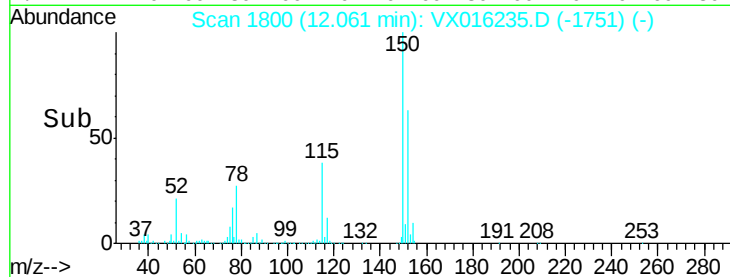
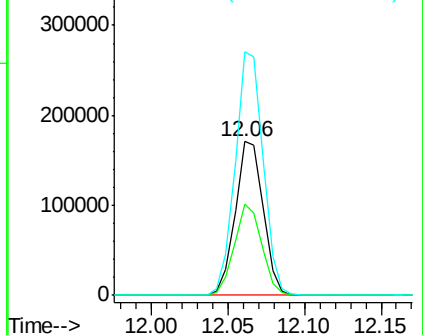
150 157.3 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.06 ug/l

RT: 11.37 min Scan# 1687

Delta R.T. 0.12 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

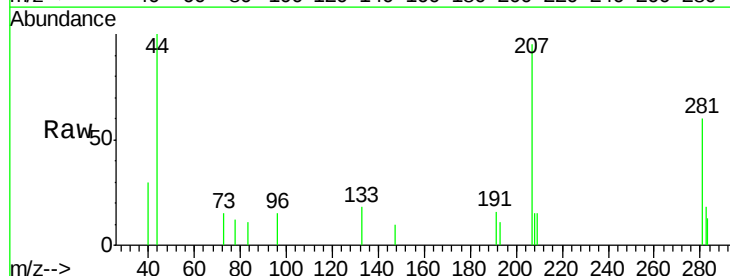
Tgt Ion: 83 Resp: 42

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

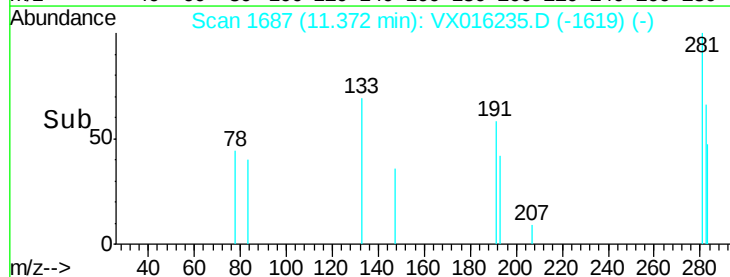
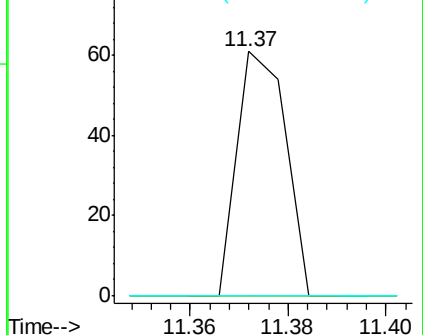
85 0.0 32.0 96.0#

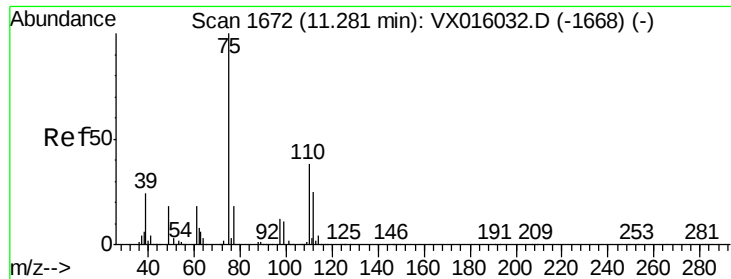


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.73 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

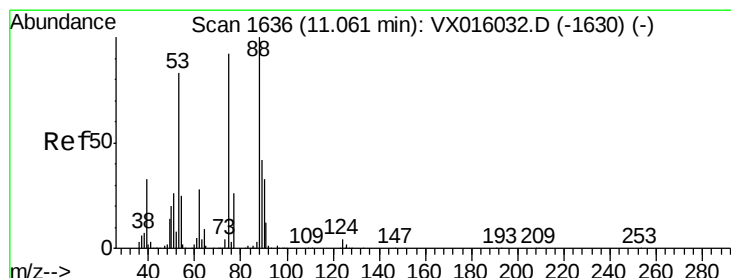
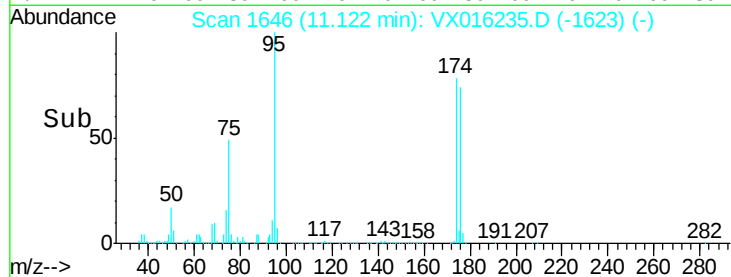
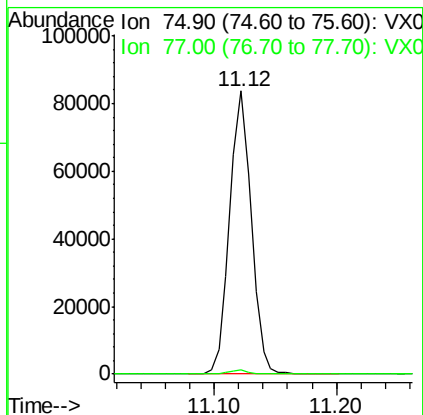
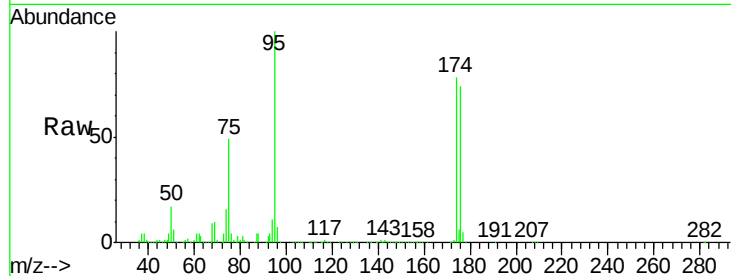
SS052MW101-200513

Tgt Ion: 75 Resp: 102151

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.40 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016235.D

Acq: 14 May 2020 16:46

Tgt Ion: 75 Resp: 102151

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

