

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016123.D
 Acq On : 08 May 2020 16:04
 Operator : JC/SP
 Sample : L2563-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:49:32 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	282639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	458165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233772	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	172883	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
35) Dibromofluoromethane	5.47	113	135713	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.70	98	564248	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	228778	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	

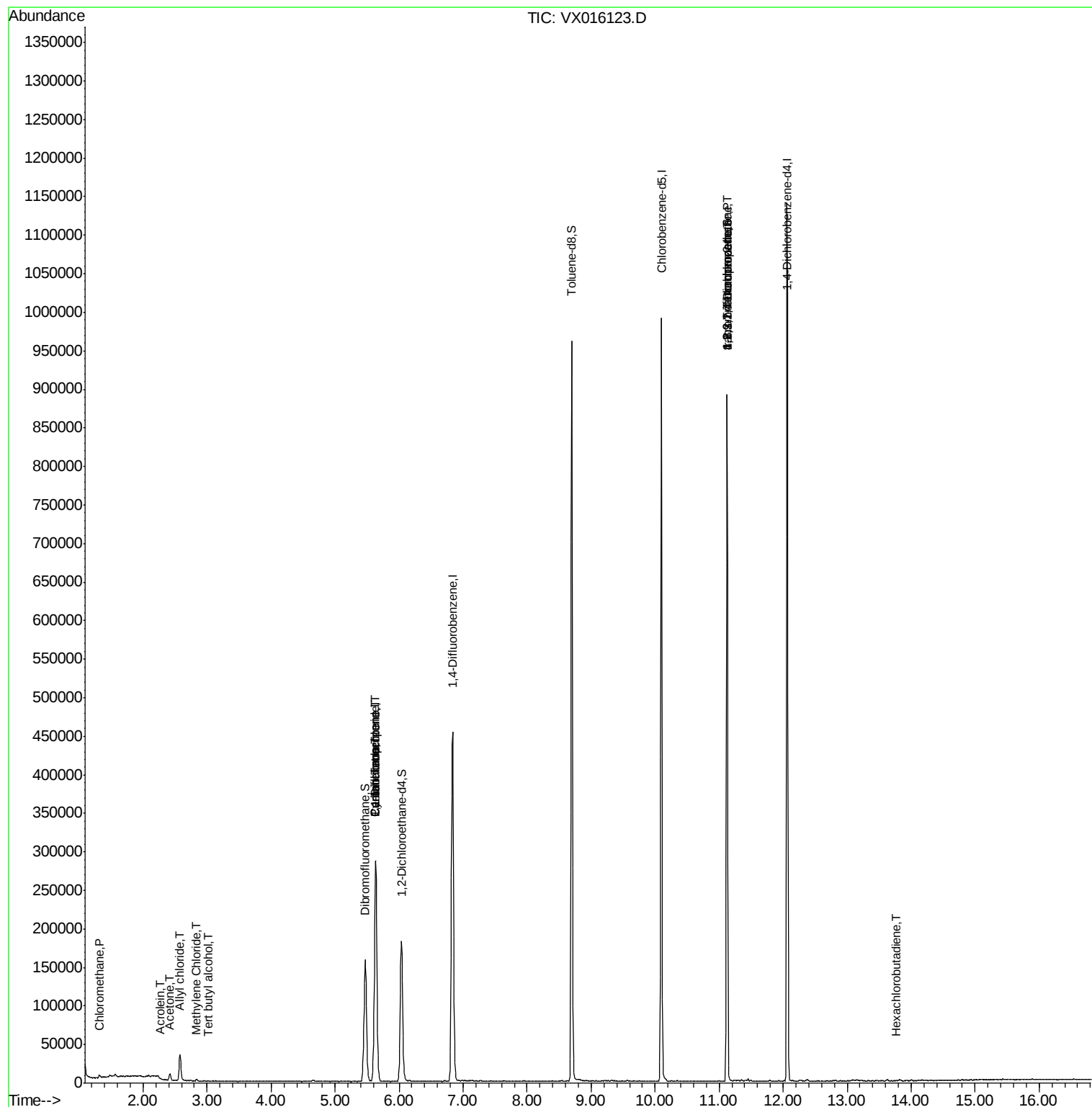
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1992	0.573	ug/l	97
11) Tert butyl alcohol	3.01	59	340	0.362	ug/l #	72
13) Acrolein	2.28	56	164	0.279	ug/l #	14
14) Allyl chloride	2.58	41	3560	0.661	ug/l #	62
16) Acetone	2.42	43	9285	5.595	ug/l	96
17) Carbon Disulfide	2.56	76	1601	Below Cal		97
20) Methylene Chloride	2.84	84	901	0.263	ug/l #	80
31) Cyclohexane	5.64	56	5667	1.097	ug/l #	4
36) 1,1-Dichloropropene	5.64	75	20897	4.633	ug/l #	49
38) Carbon Tetrachloride	5.64	117	26680	5.820	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	158	2.099	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115306	21.736	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	115306	51.799	ug/l #	13
94) Hexachlorobutadiene	13.77	225	54	0.546	ug/l	64

(#) = 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: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :

MSVOA_X

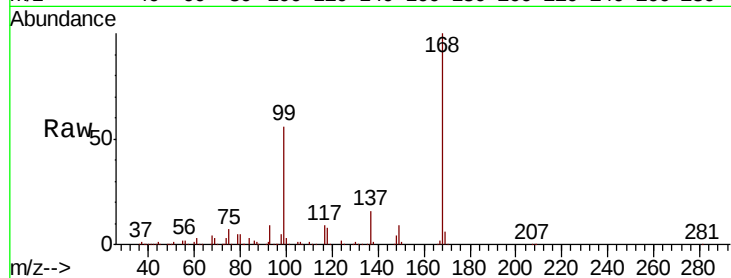
ClientSampled :

Tot Ion:168 Resp: 282639

Ion Ratio Lower Upper

168 100

99 56.0 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

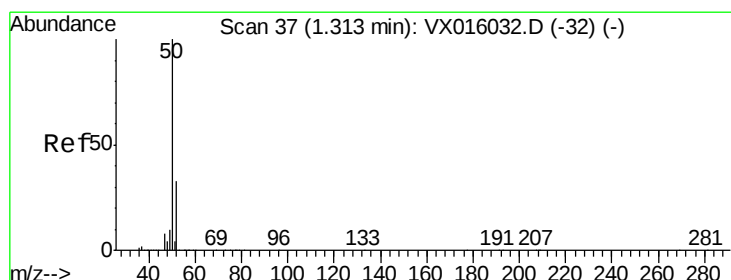
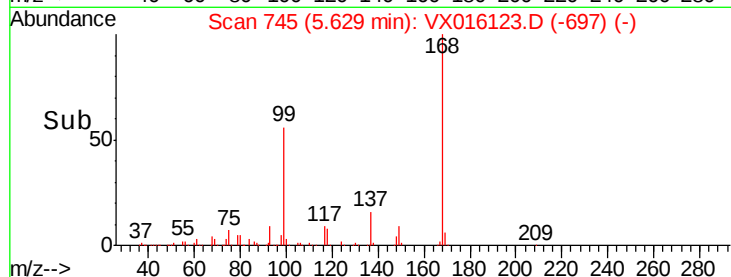
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.573 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016123.D

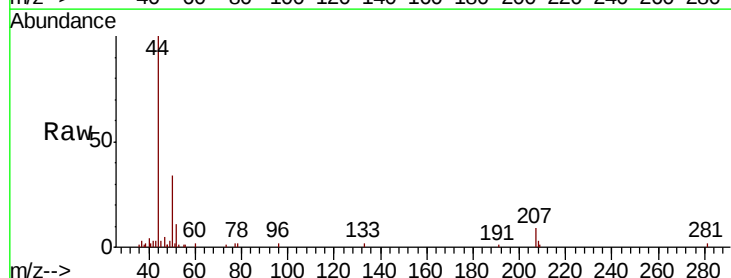
Acq: 08 May 2020 16:04

Tgt Ion: 50 Resp: 1992

Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

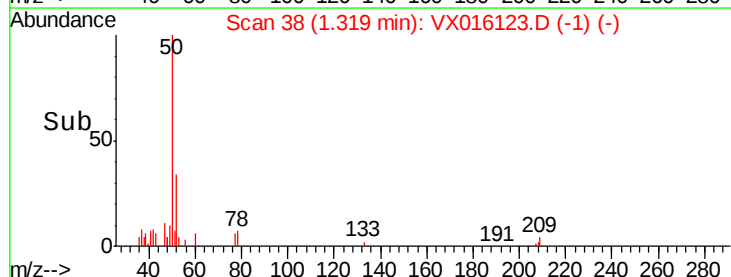
1000

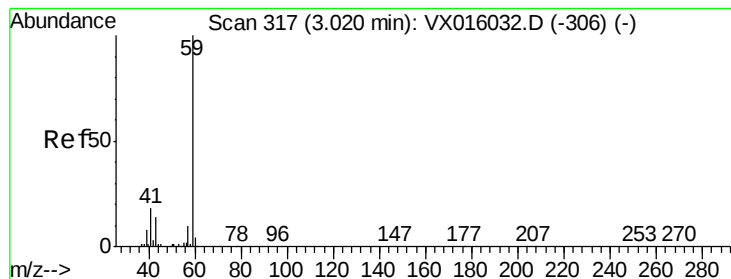
500

0

Time-->

1.30 1.35



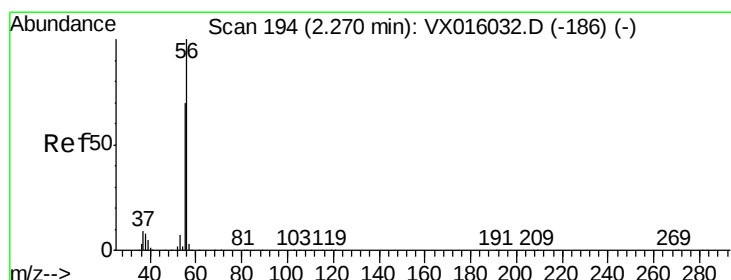
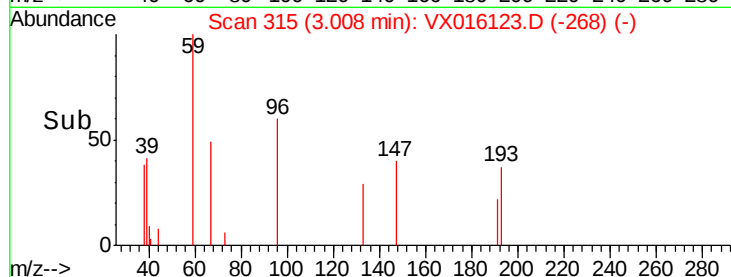
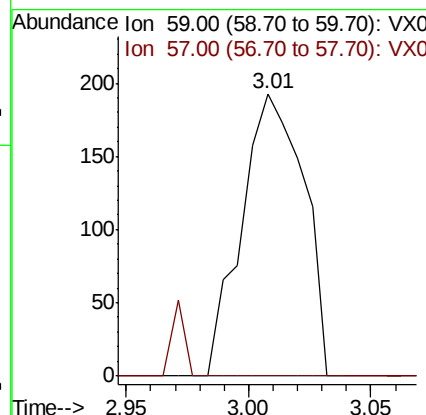
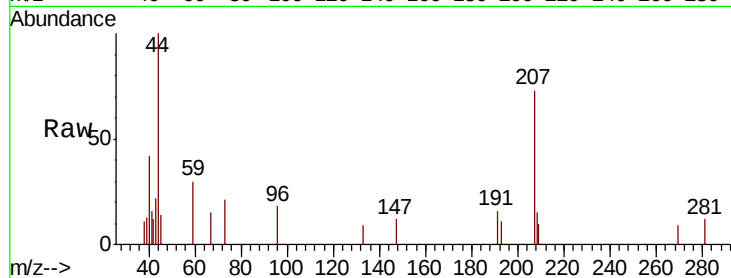


#11

Tert butyl alcohol
 Concen: 0.362 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016123.D
 Acq: 08 May 2020 16:04

Instrument :
 MSVOA_X
 ClientSampled :

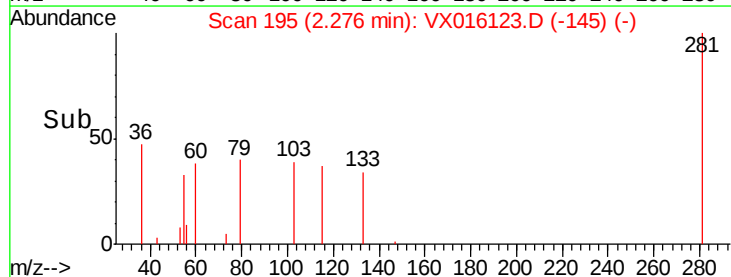
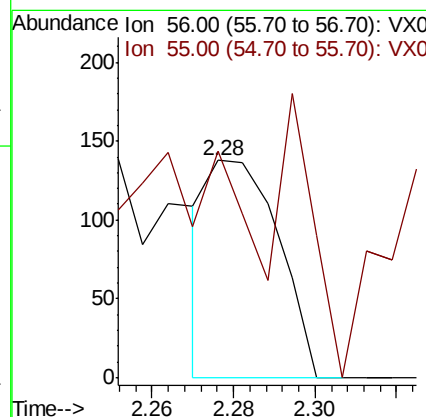
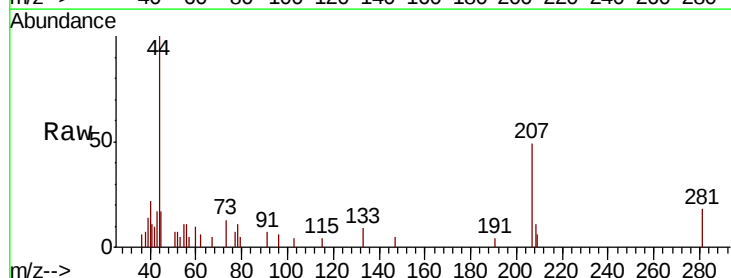
Tot Ion: 59 Resp: 340
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

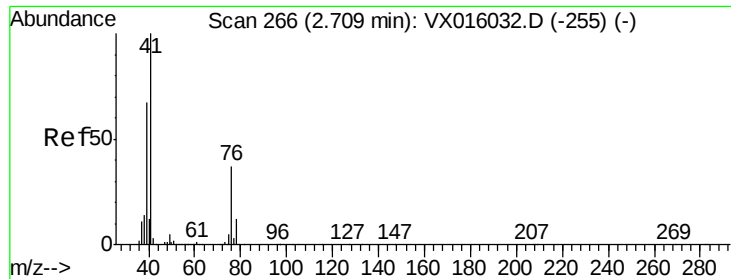


#13

Acrolein
 Concen: 0.279 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016123.D
 Acq: 08 May 2020 16:04

Tgt Ion: 56 Resp: 164
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.5 84.7#

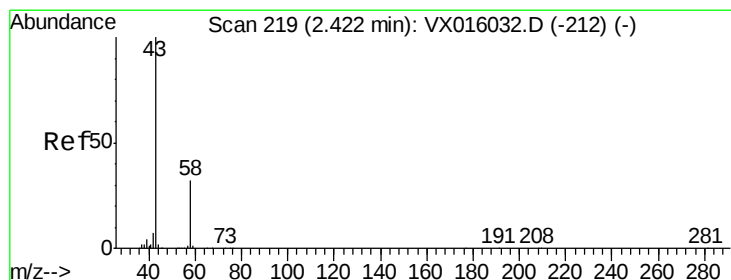
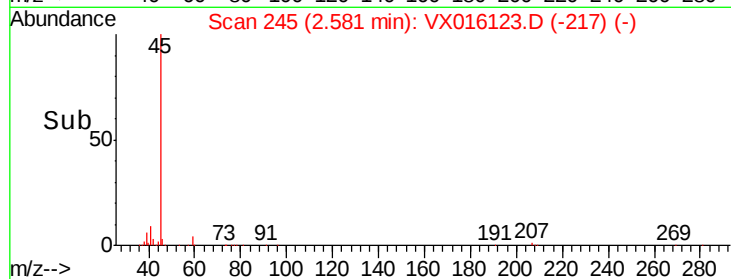
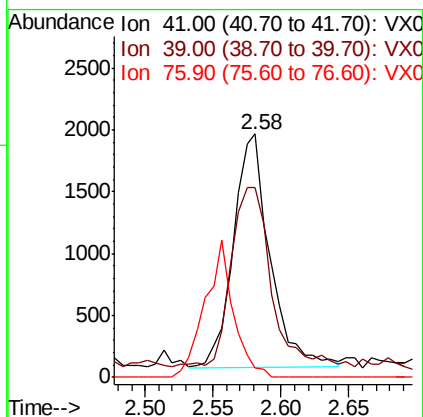
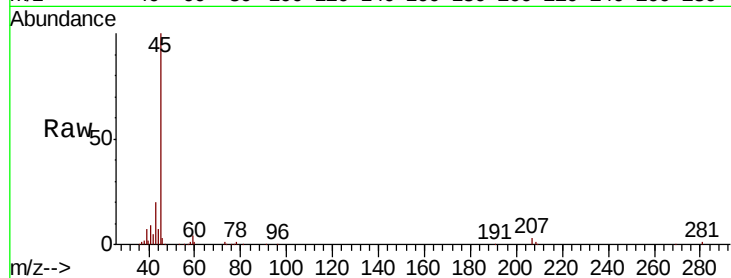




#14
Allvl chloride
Concen: 0.661 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.13 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

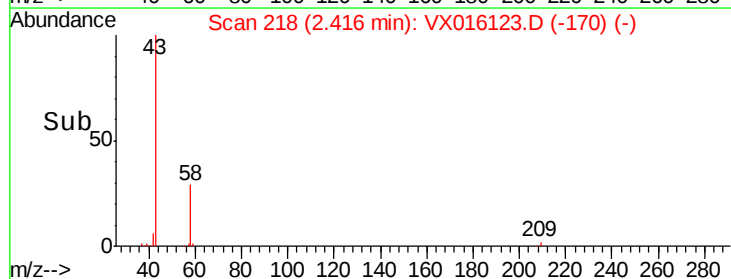
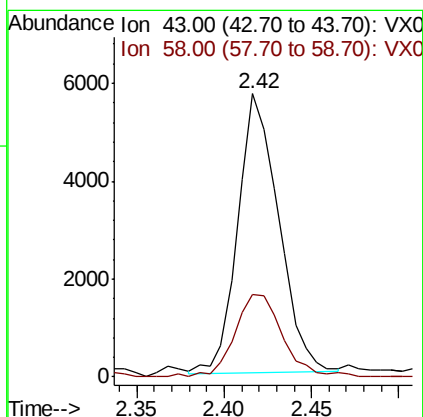
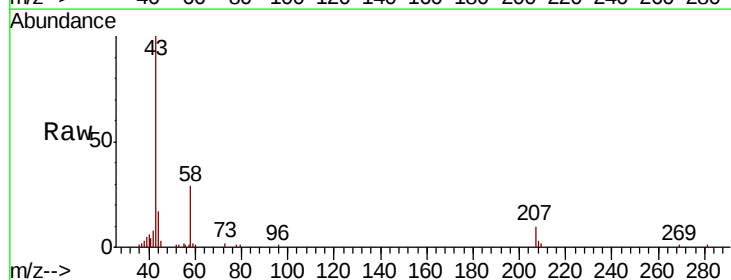
Instrument :
MSVOA_X
ClientSampled :

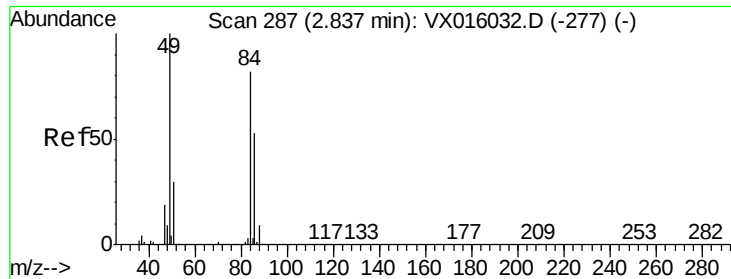
Tot Ion: 41 Resp: 3560
Ion Ratio Lower Upper
41 100
39 84.3 50.5 75.7#
76 0.0 26.6 40.0#



#16
Acetone
Concen: 5.595 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

Tgt Ion: 43 Resp: 9285
Ion Ratio Lower Upper
43 100
58 29.6 25.4 38.0

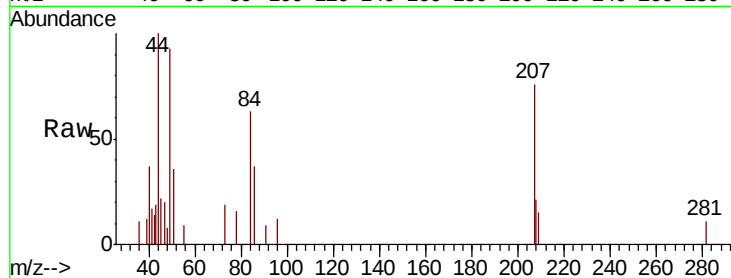




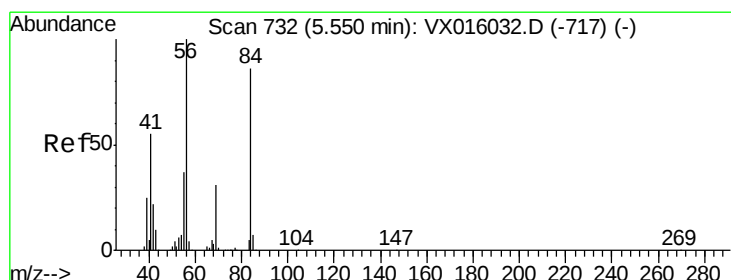
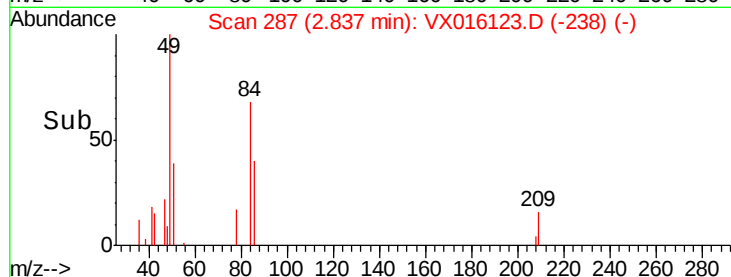
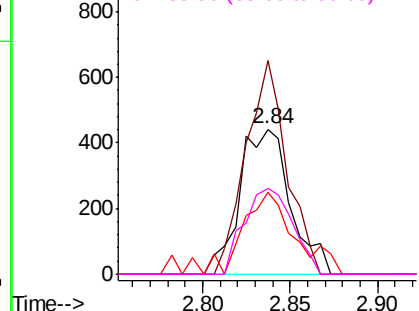
#20
Methvlene Chloride
Concen: 0.263 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	901
Ion	Ratio	Lower	Upper
84	100		
49	147.3	97.3	145.9#
51	56.8	29.3	43.9#
86	58.8	51.3	76.9

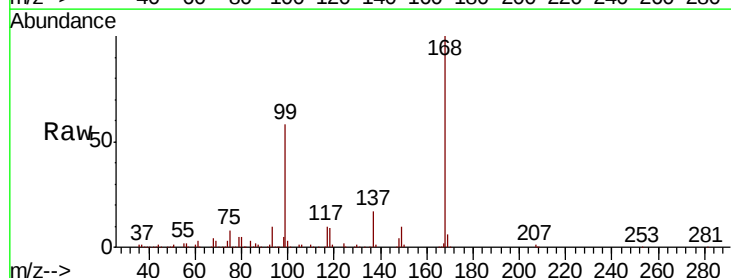


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

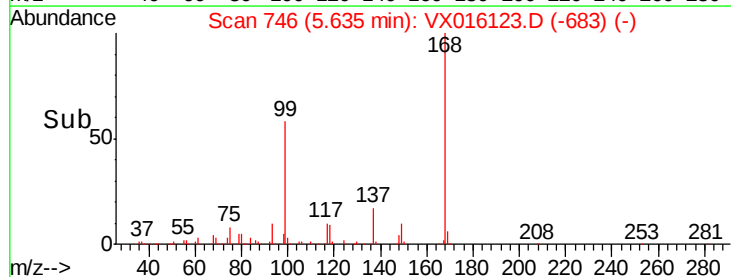
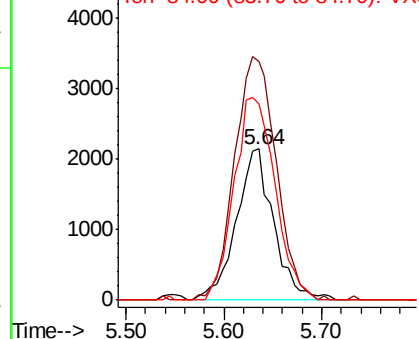


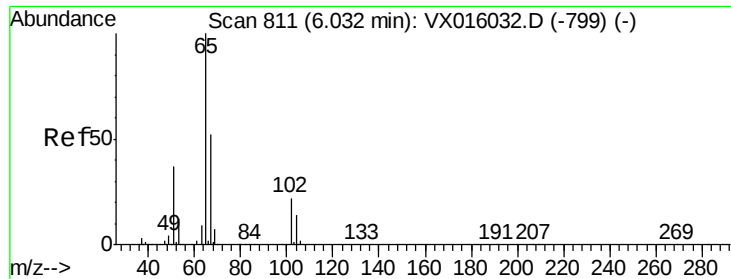
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

Tgt Ion:	56	Resp:	5667
Ion	Ratio	Lower	Upper
56	100		
69	158.3	25.0	37.6#
84	130.4	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: 46.483 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :

MSVOA_X

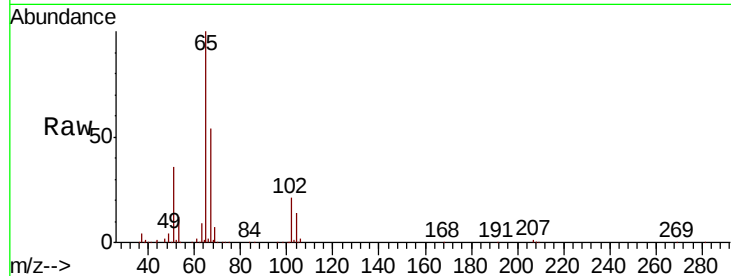
ClientSampleId :

Tot Ion: 65 Resp: 172883

Ion Ratio Lower Upper

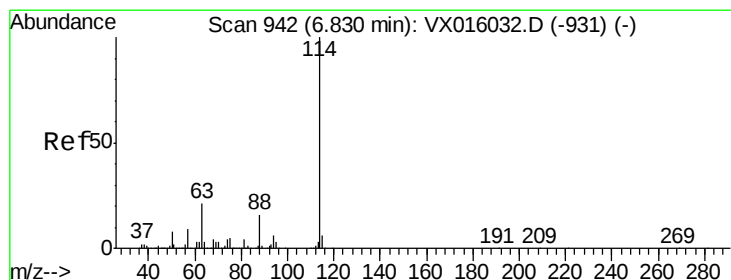
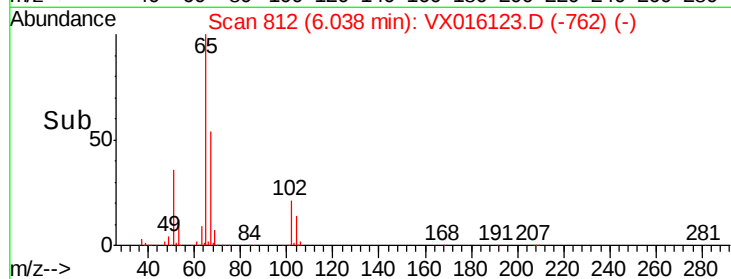
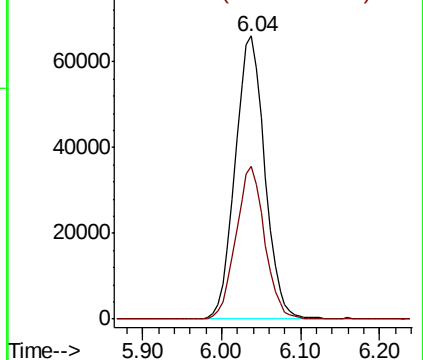
65 100

67 52.5 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: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

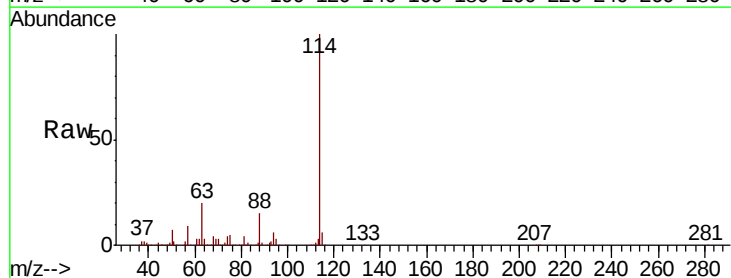
Tgt Ion: 114 Resp: 458165

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

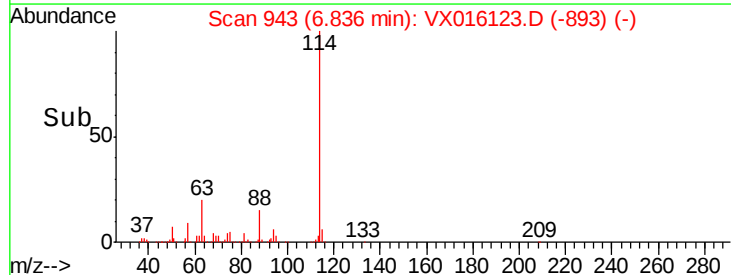
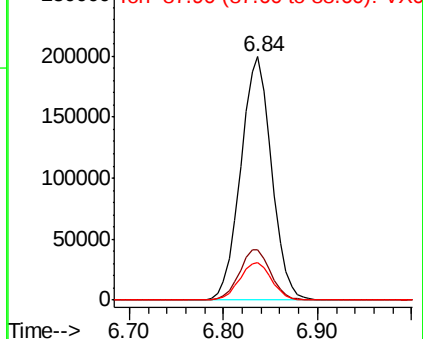
88 15.2 0.0 31.4

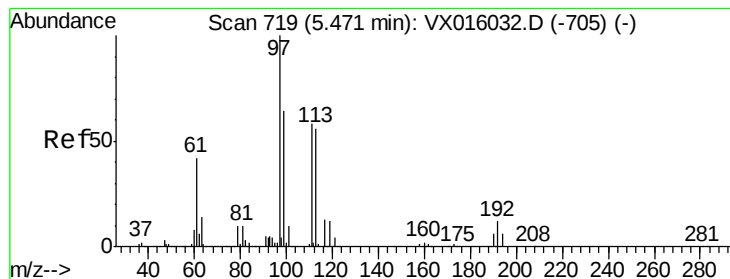


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.755 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :

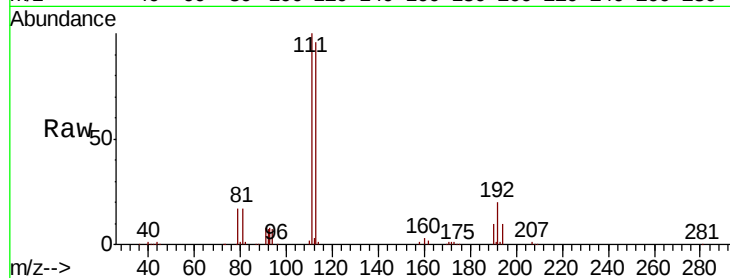
Tot Ion:113 Resp: 135713

Ion Ratio Lower Upper

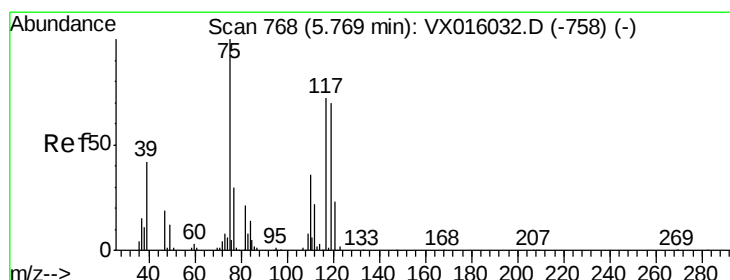
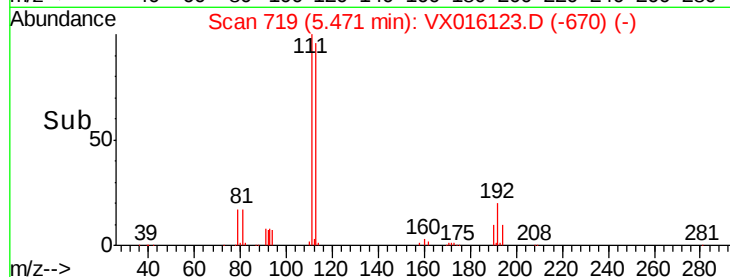
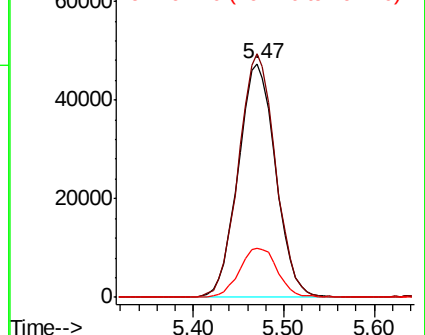
113 100

111 102.7 81.6 122.4

192 21.3 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: 4.633 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

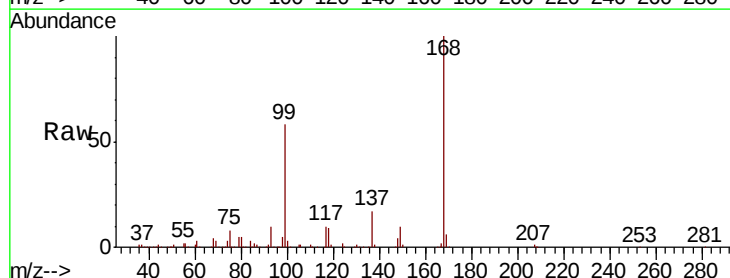
Tgt Ion: 75 Resp: 20897

Ion Ratio Lower Upper

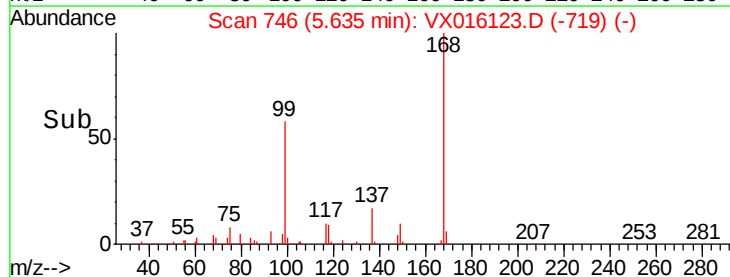
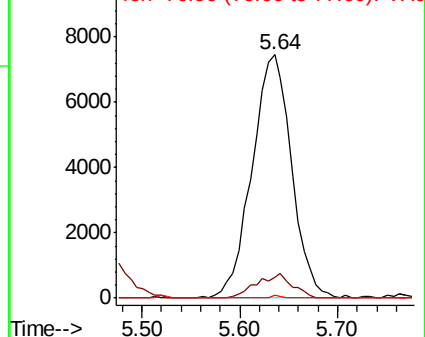
75 100

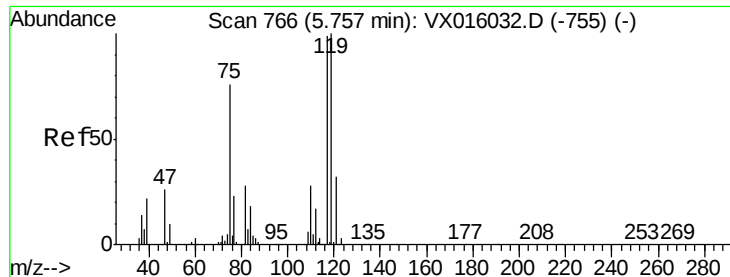
110 9.0 18.1 54.1#

77 0.2 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

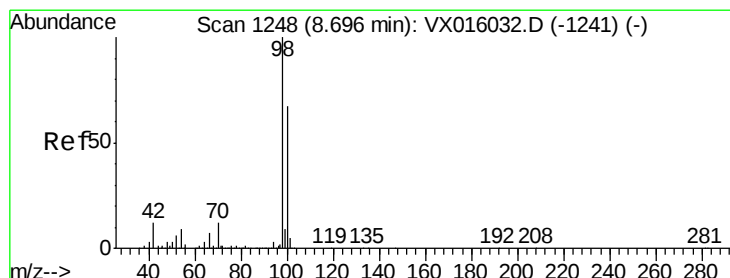
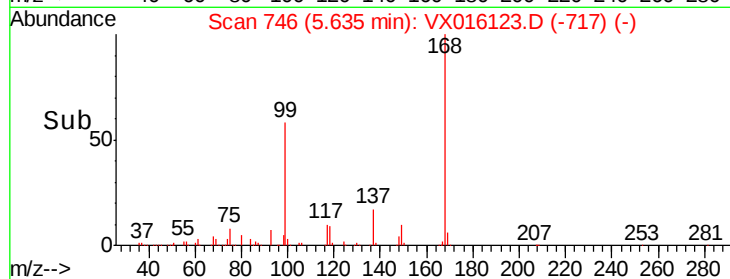
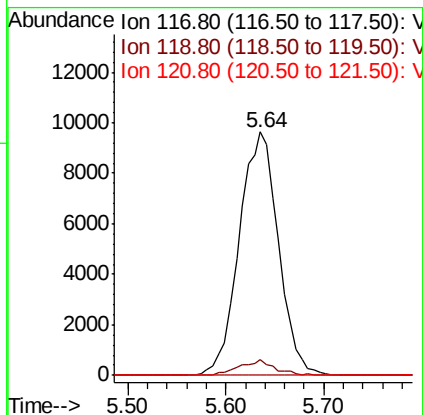
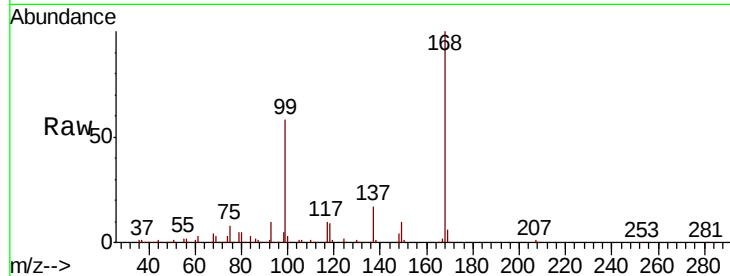




#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

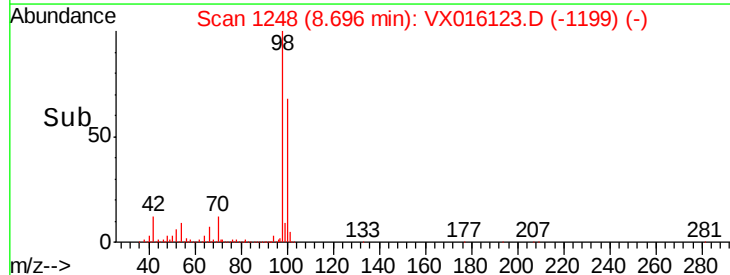
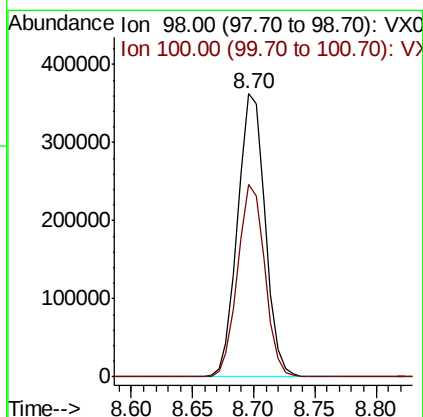
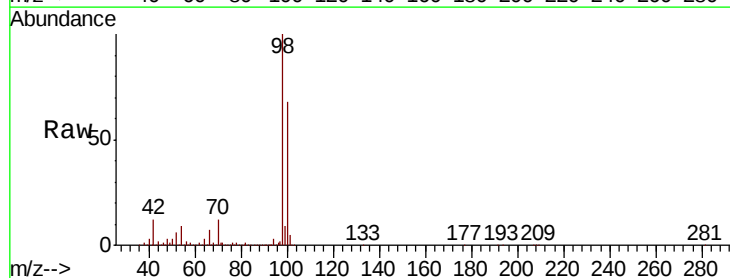
Instrument :
MSVOA_X
ClientSampleId :

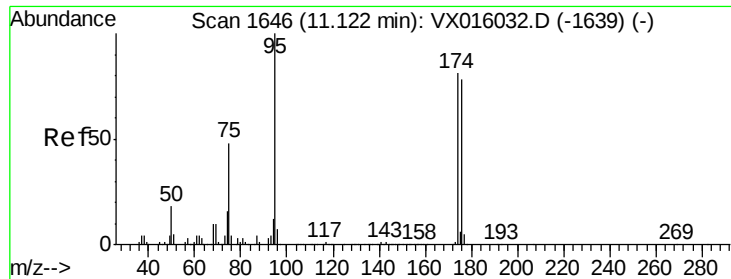
Tot Ion:117 Resp: 26680
Ion Ratio Lower Upper
117 100
119 6.3 80.3 120.5#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 50.451 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016123.D
Acq: 08 May 2020 16:04

Tgt Ion: 98 Resp: 564248
Ion Ratio Lower Upper
98 100
100 67.0 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 53.780 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

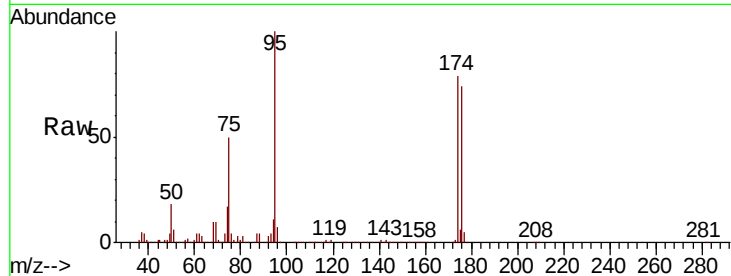
Tot Ion: 95 Resp: 228778

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.4

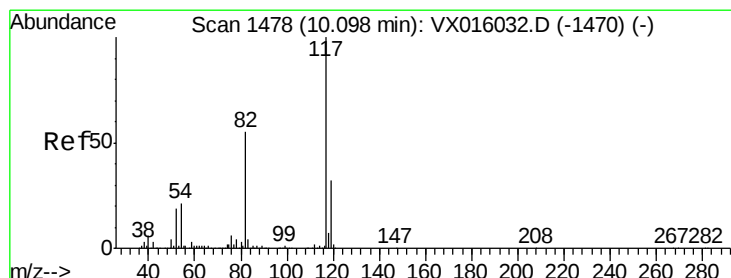
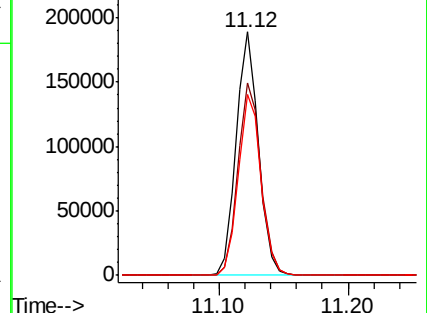
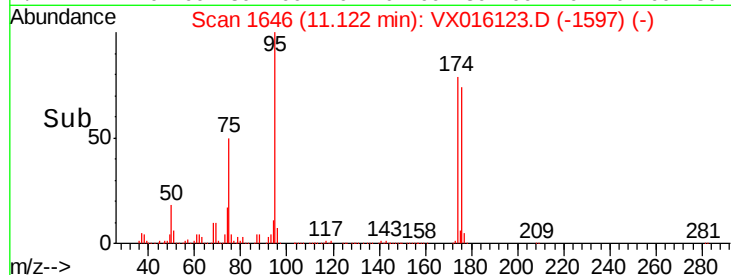
176 76.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016123.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016123.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016123.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

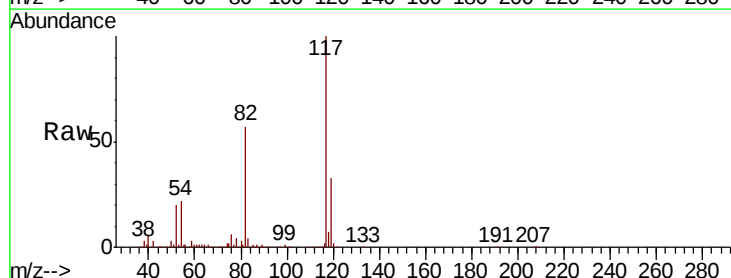
Tgt Ion: 117 Resp: 453307

Ion Ratio Lower Upper

117 100

82 57.1 44.4 66.6

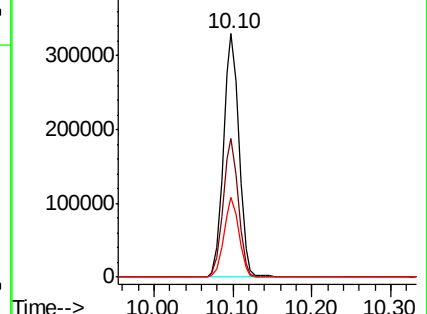
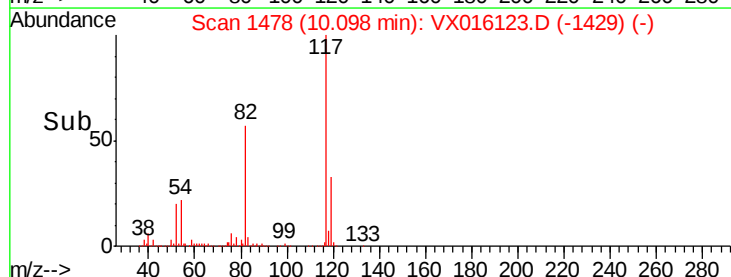
119 32.5 25.5 38.3

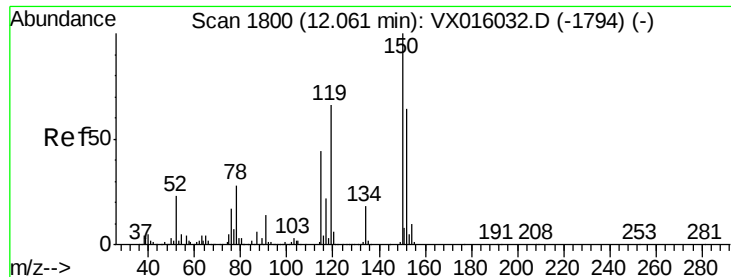


Abundance Ion 116.90 (116.60 to 117.60): VX016123.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016123.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016123.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

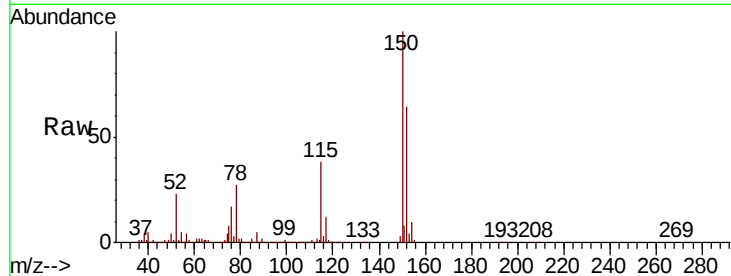
Tot Ion:152 Resp: 233772

Ion Ratio Lower Upper

152 100

115 58.1 41.3 124.1

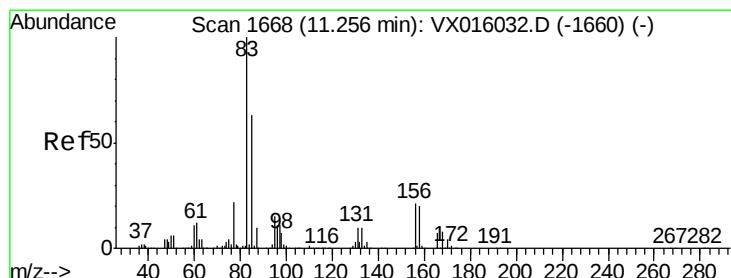
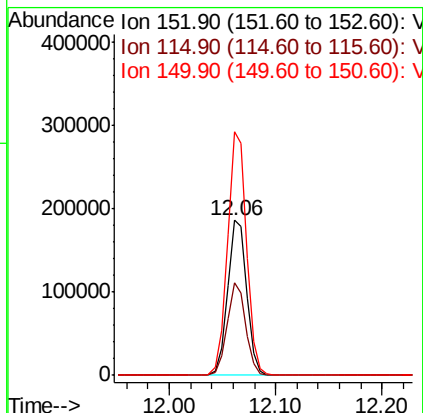
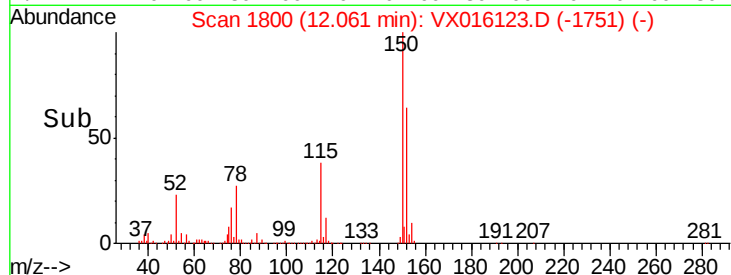
150 155.4 0.0 352.2



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: 2.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

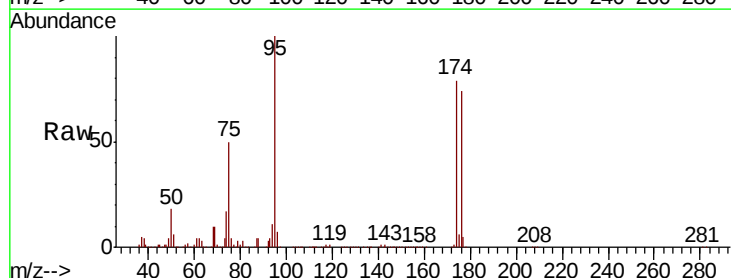
Tgt Ion: 83 Resp: 158

Ion Ratio Lower Upper

83 100

131 218.4 5.1 15.4#

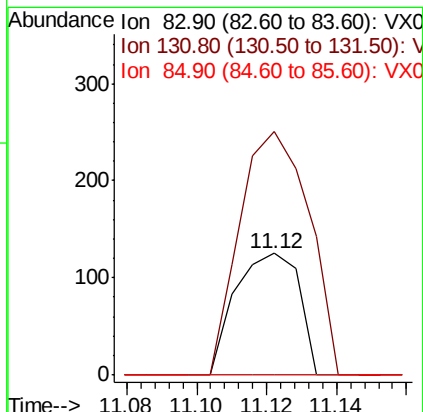
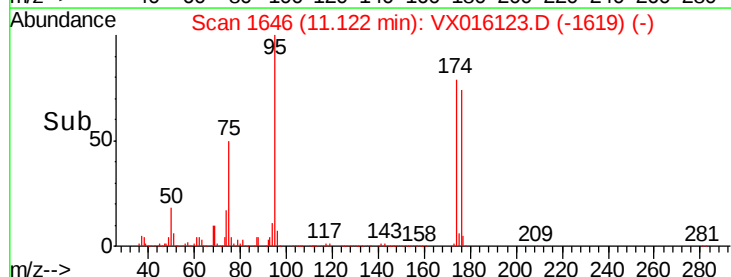
85 0.0 32.0 96.0#

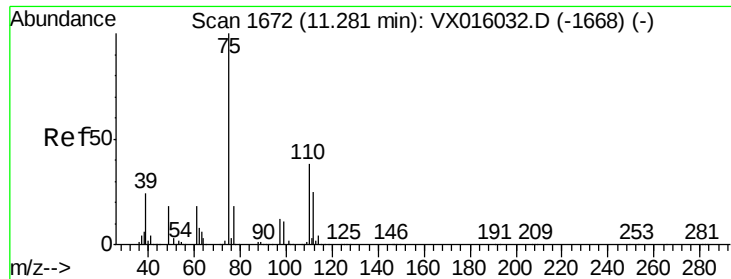


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.736 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

Instrument :

MSVOA_X

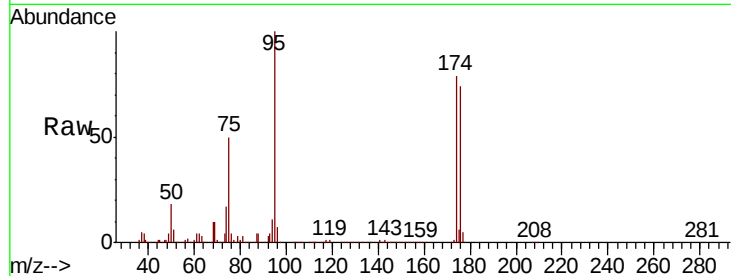
ClientSampleId :

Tot Ion: 75 Resp: 115306

Ion Ratio Lower Upper

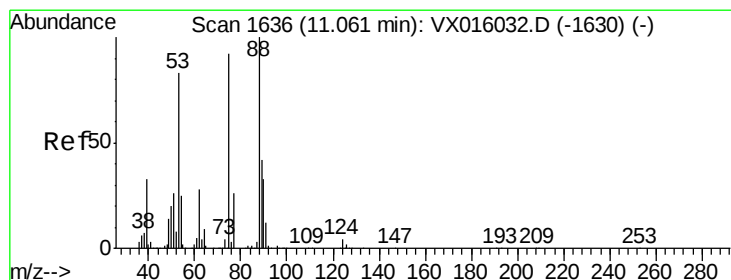
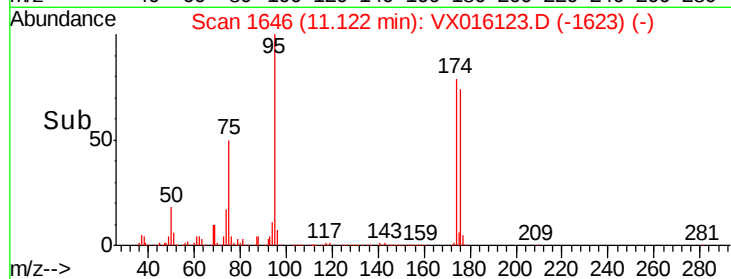
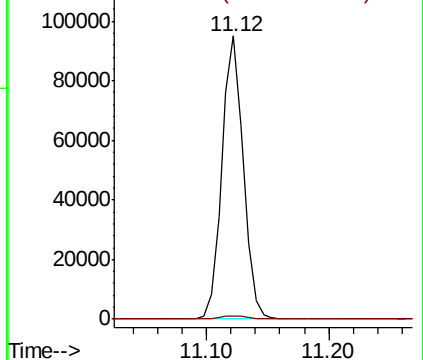
75 100

77 1.5 21.2 63.6#



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: 51.799 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016123.D

Acq: 08 May 2020 16:04

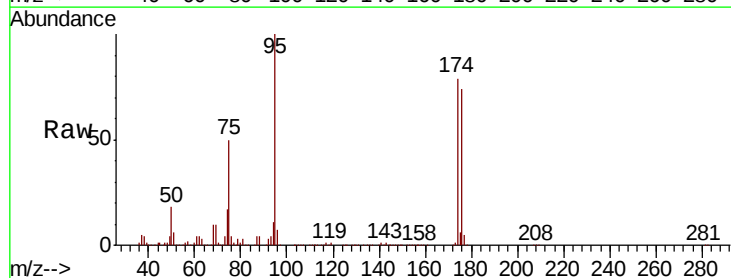
Tgt Ion: 75 Resp: 115306

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

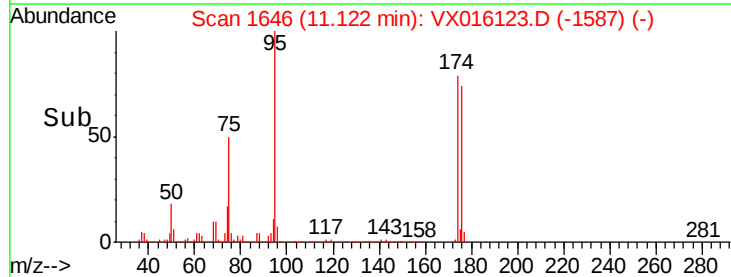
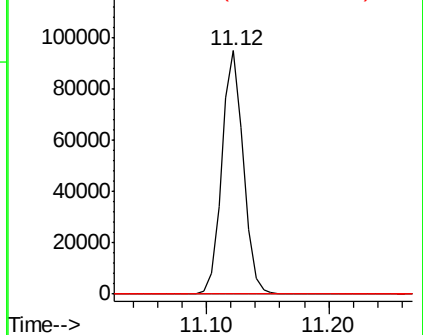
89 0.0 36.7 55.1#

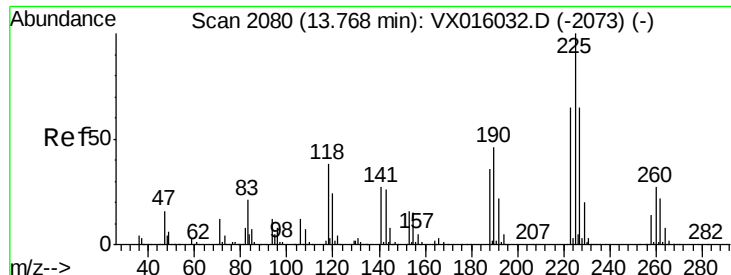


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94
 Hexachlorobutadiene
 Concen: 0.546 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016123.D
 Acq: 08 May 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	35.2	32.3	96.9
227	37.0	31.8	95.4

