

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016064.D
 Acq On : 05 May 2020 15:20
 Operator : JC/SP
 Sample : L2469-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428

Quant Time: May 06 05:02:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 04:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	293969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	473449	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	247097	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	180758	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	5.47	113	139635	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.70	98	580340	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.12	95	237404	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

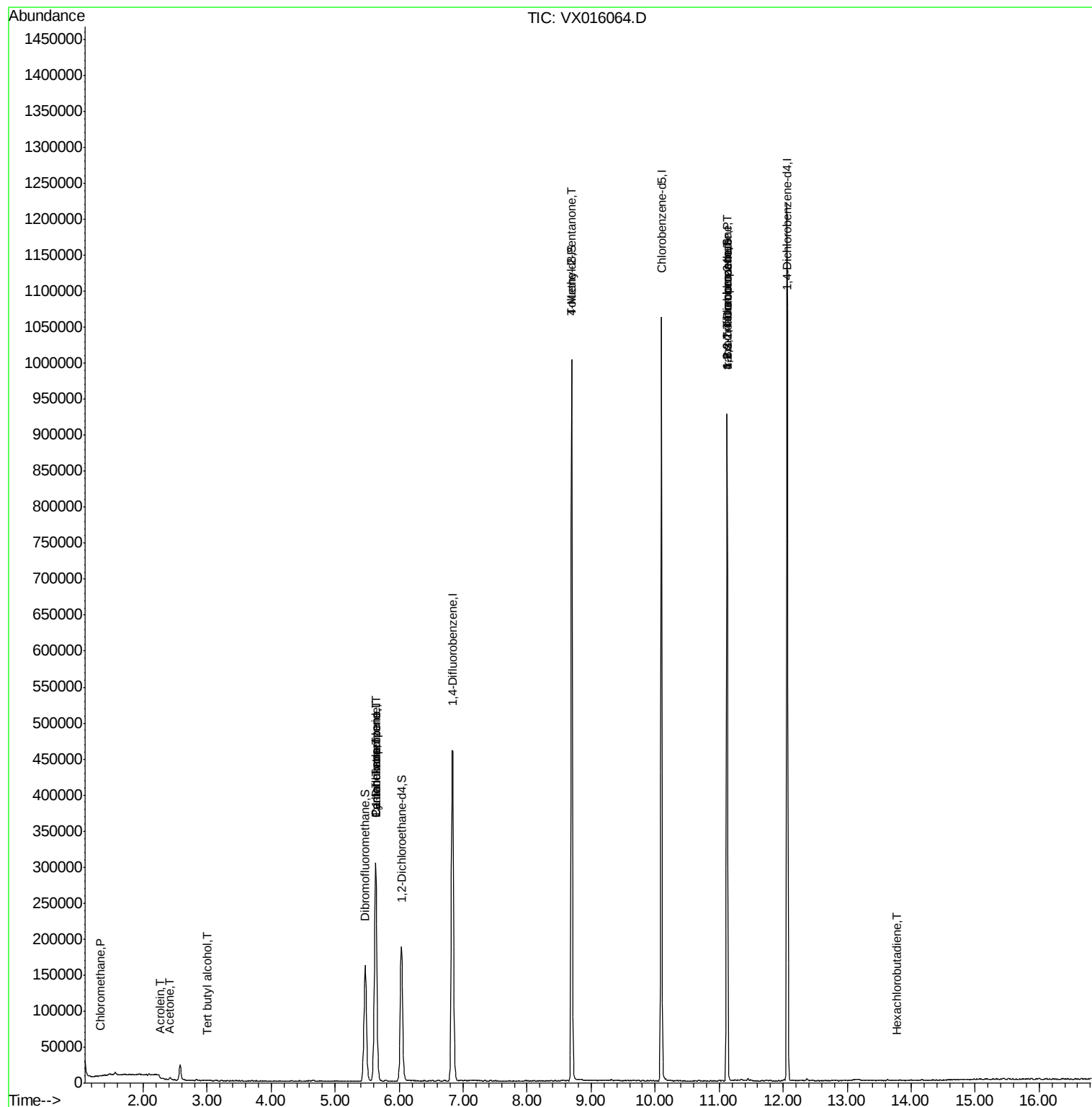
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	823	0.228	ug/l	94
11) Tert butyl alcohol	3.01	59	1228	1.255	ug/l #	82
13) Acrolein	2.27	56	288	0.470	ug/l	97
16) Acetone	2.42	43	2948	1.708	ug/l	100
31) Cyclohexane	5.64	56	5849	1.088	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	22181	4.759	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28572	6.032	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	3142	0.596	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.12	83	162	4.849	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	122201	21.794	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	122201	51.936	ug/l #	13
94) Hexachlorobutadiene	13.77	225	115	0.568	ug/l #	64

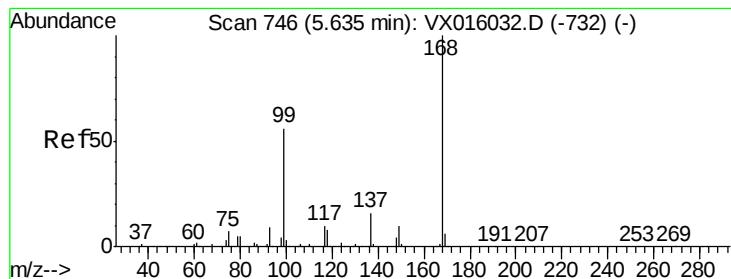
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 04:29:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

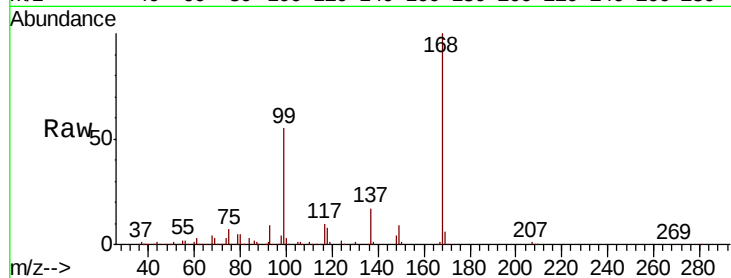
SA-PZ148-20200428

Tot Ion:168 Resp: 293969

Ion Ratio Lower Upper

168 100

99 55.2 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

120000

100000

80000

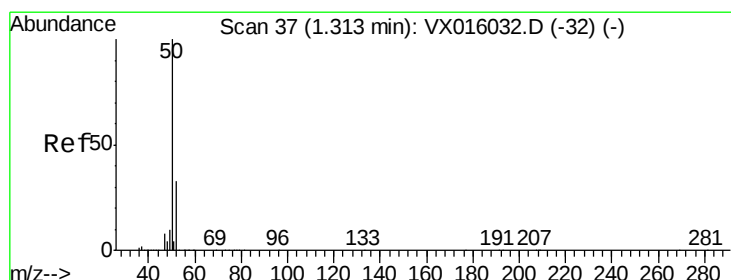
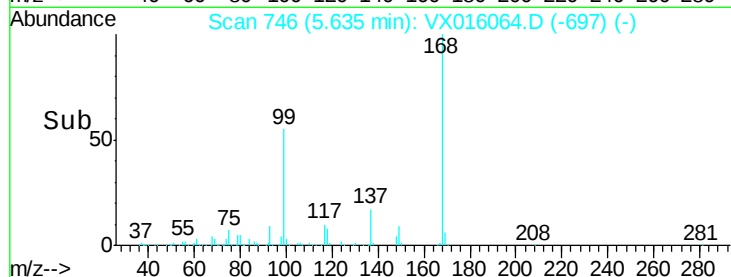
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016064.D

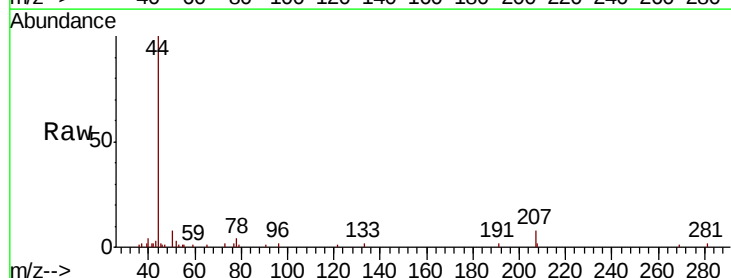
Acq: 05 May 2020 15:20

Tgt Ion: 50 Resp: 823

Ion Ratio Lower Upper

50 100

52 29.1 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

600

500

400

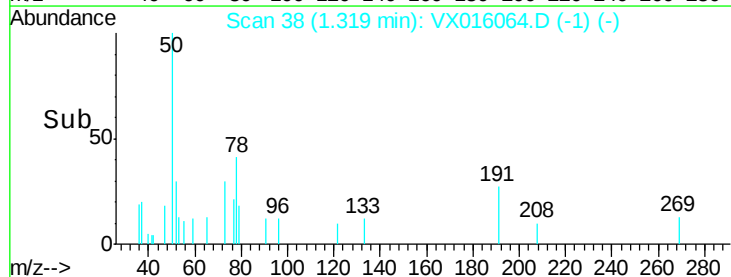
300

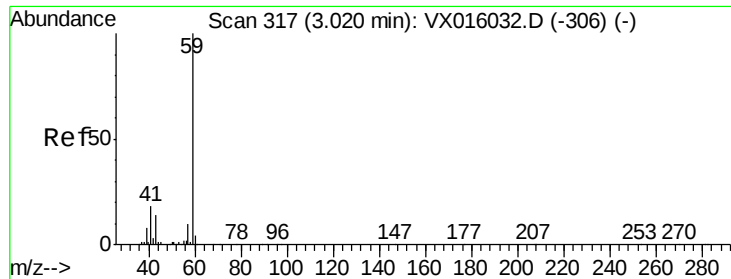
200

100

0

Time-->

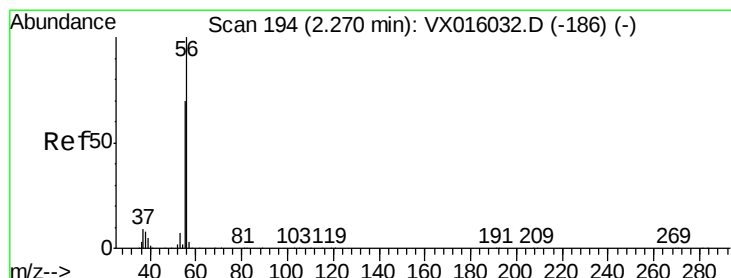
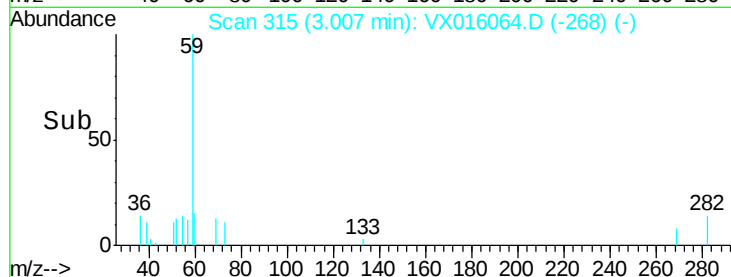
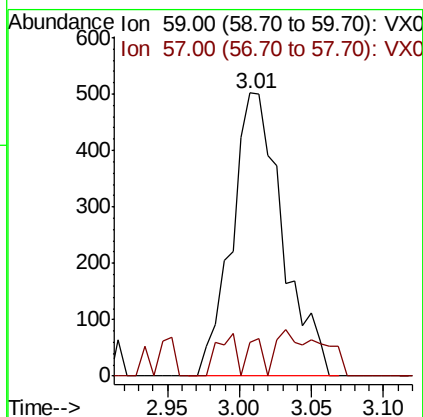
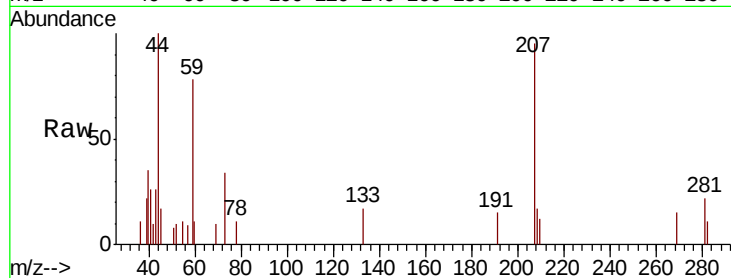




#11
Tert butyl alcohol
Concen: 1.255 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016064.D
Acq: 05 May 2020 15:20

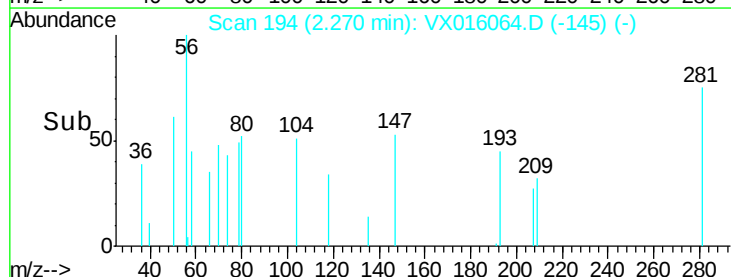
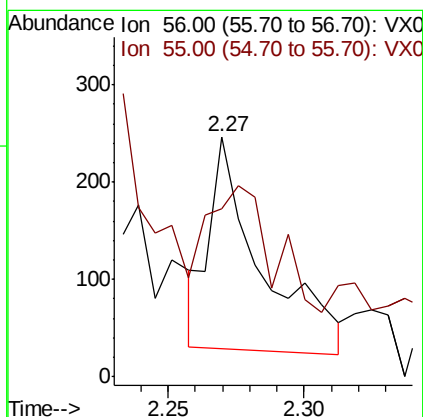
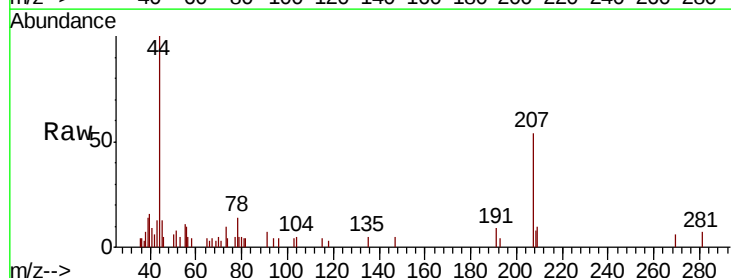
Instrument :
MSVOA_X
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SA-PZ148-20200428

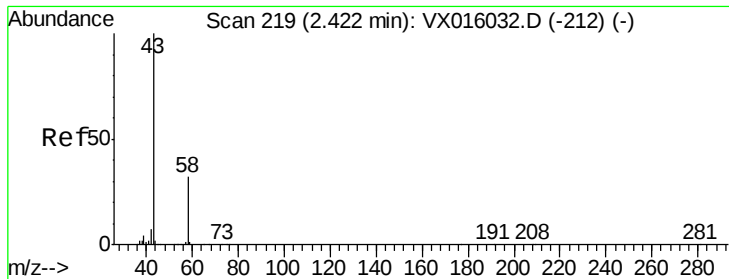
Tot Ion: 59 Resp: 1228
Ion Ratio Lower Upper
59 100
57 3.7 8.2 12.4#



#13
Acrolein
Concen: 0.470 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016064.D
Acq: 05 May 2020 15:20

Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 72.9 56.5 84.7

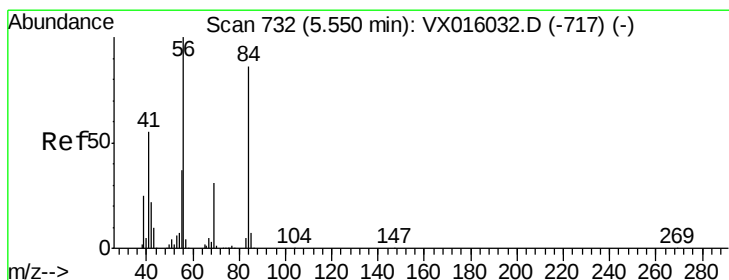
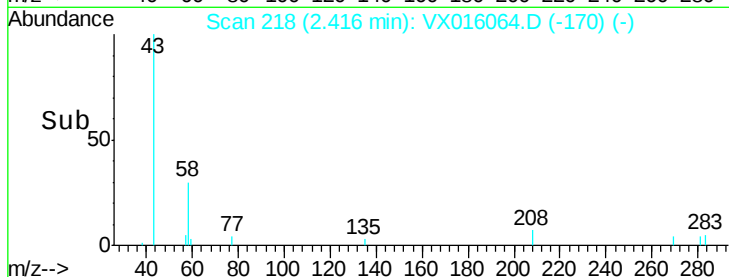
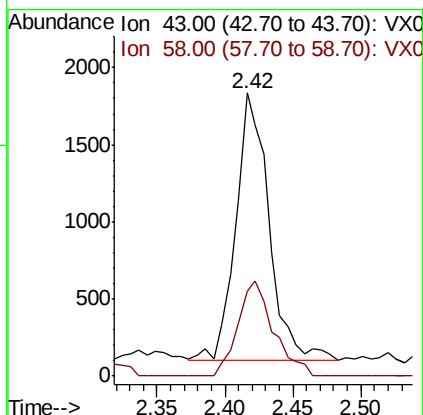
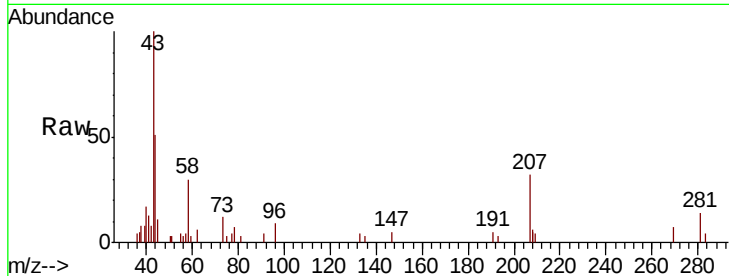




#16
Acetone
Concen: 1.708 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016064.D
Acq: 05 May 2020 15:20

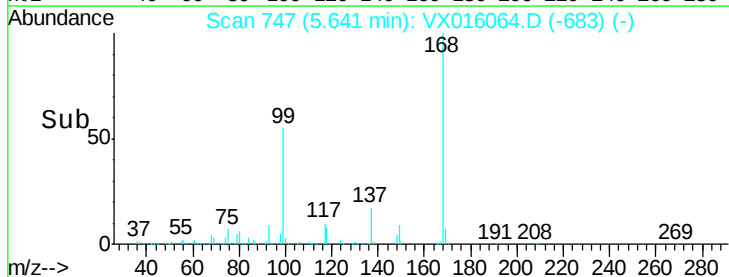
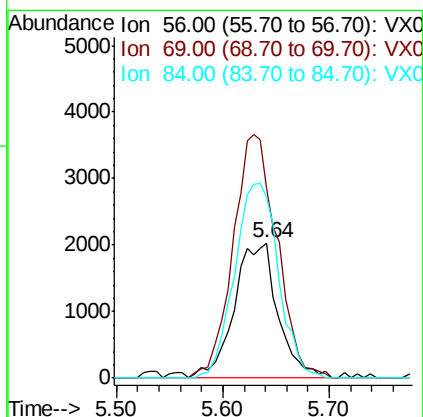
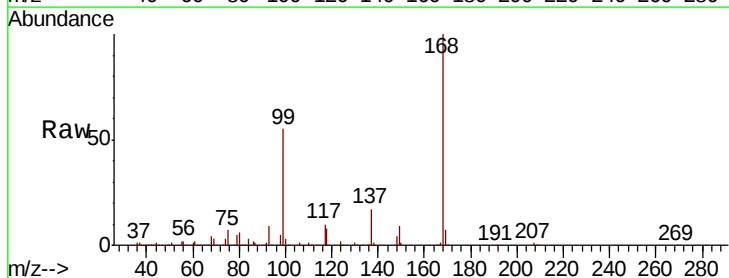
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428

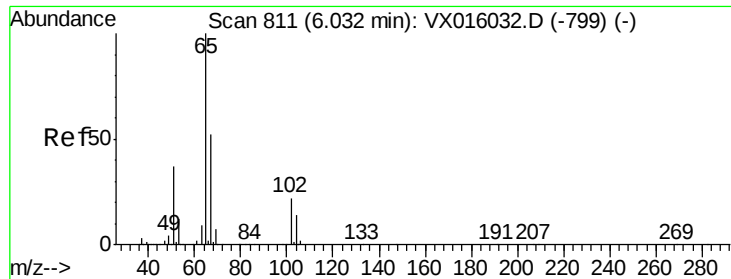
Tot Ion: 43 Resp: 2948
Ion Ratio Lower Upper
43 100
58 31.9 25.4 38.0



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.64 min Scan# 747
Delta R.T. 0.09 min
Lab File: VX016064.D
Acq: 05 May 2020 15:20

Tgt Ion: 56 Resp: 5849
Ion Ratio Lower Upper
56 100
69 140.5 25.0 37.6#
84 134.3 69.0 103.6#

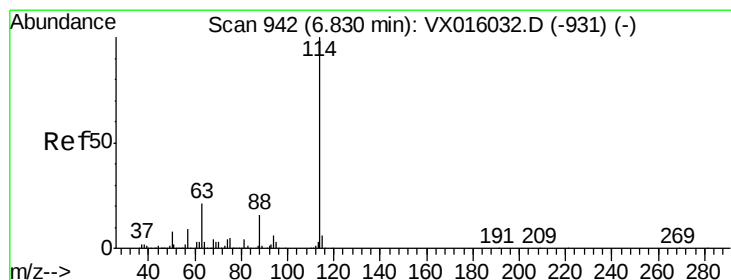
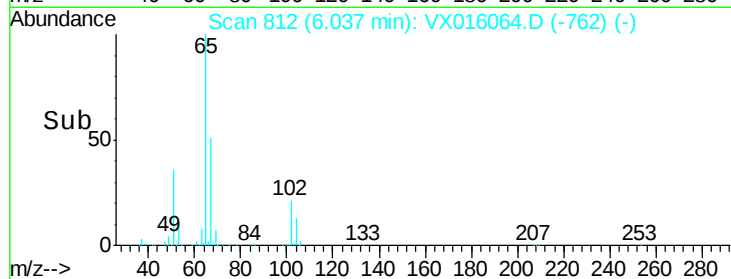
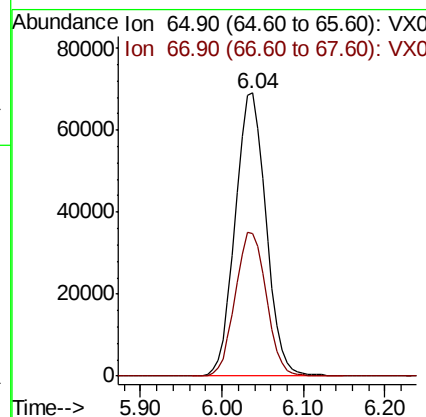
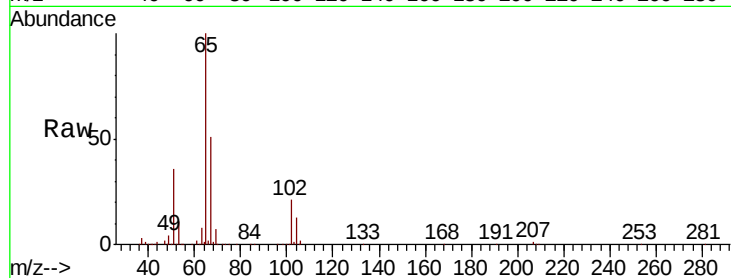




#33
 1,2-Dichloroethane-d4
 Concen: 46.728 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016064.D
 Acq: 05 May 2020 15:20

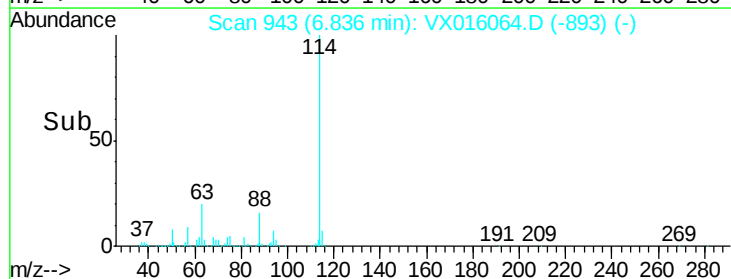
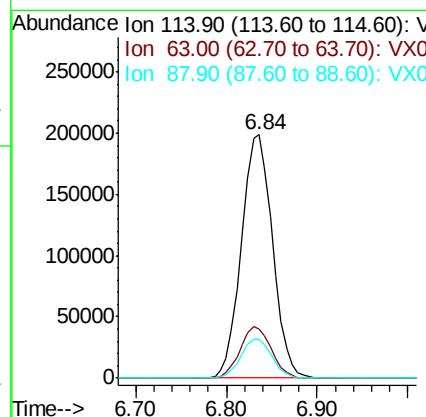
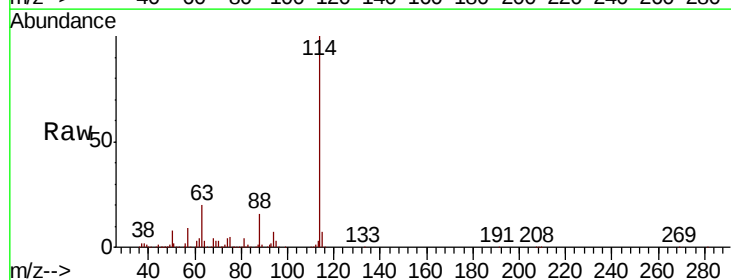
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428

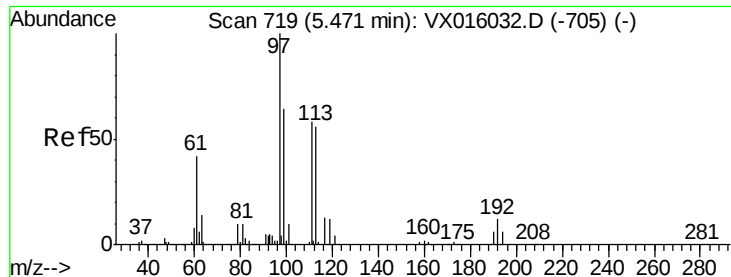
Tot Ion: 65 Resp: 180758
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016064.D
 Acq: 05 May 2020 15:20

Tgt Ion: 114 Resp: 473449
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 16.0 0.0 31.4

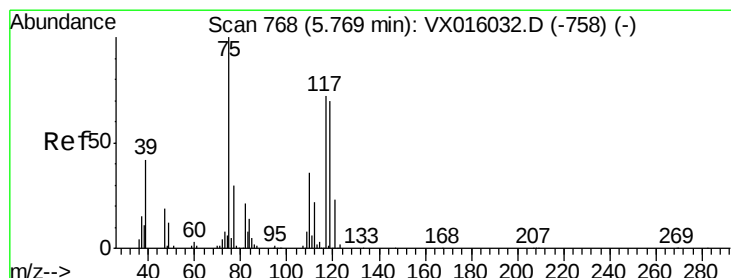
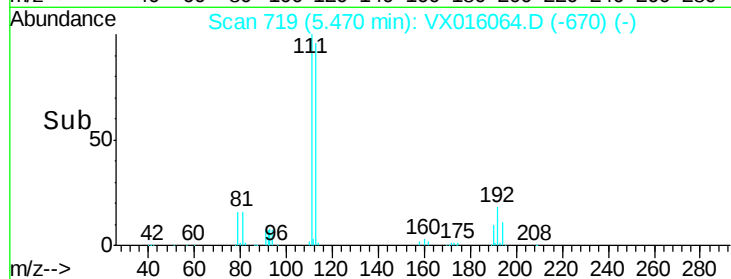
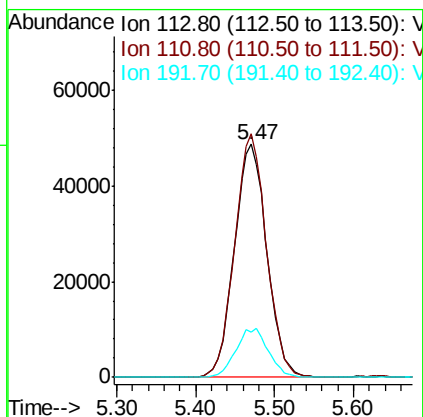
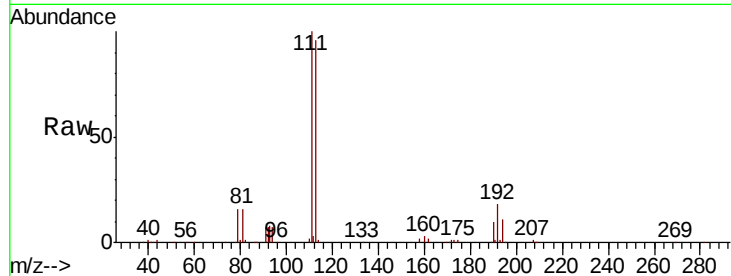




#35
 Dibromofluoromethane
 Concen: 46.553 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016064.D
 Acq: 05 May 2020 15:20

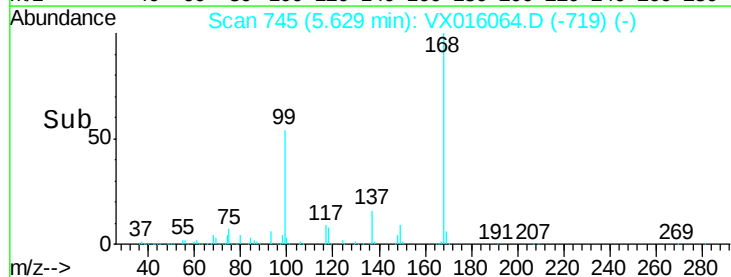
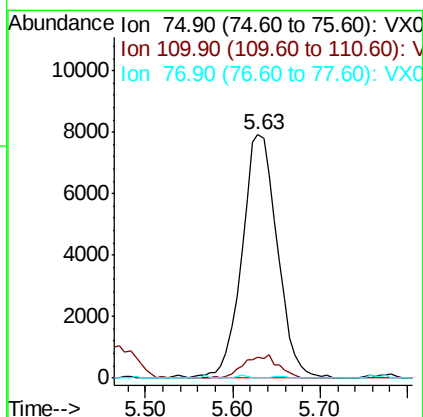
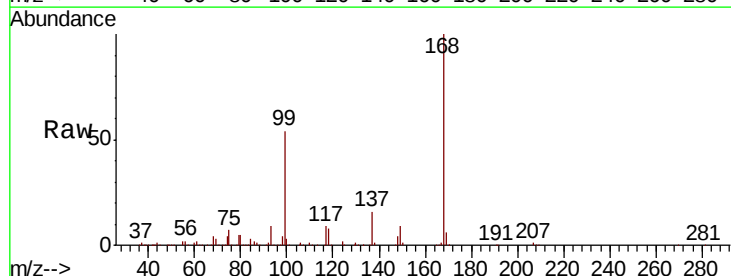
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428

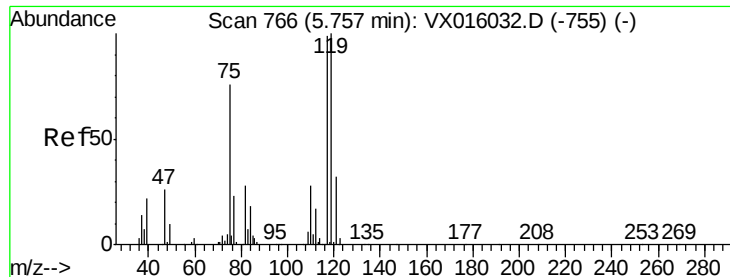
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.9	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016064.D
 Acq: 05 May 2020 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.032 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428

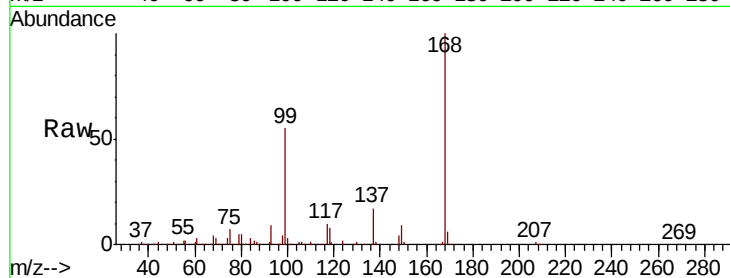
Tot Ion:117 Resp: 28572

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

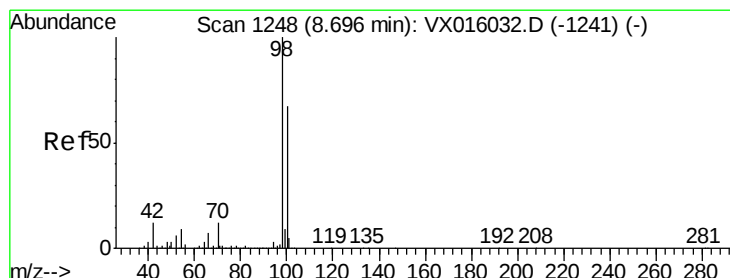
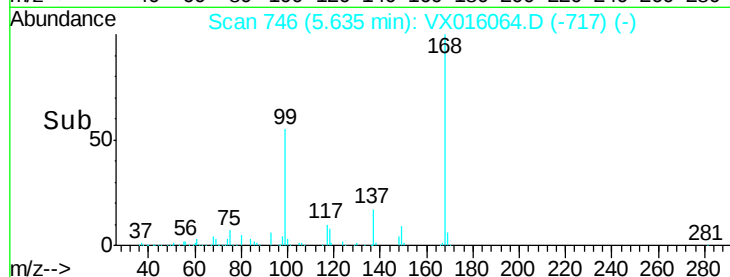
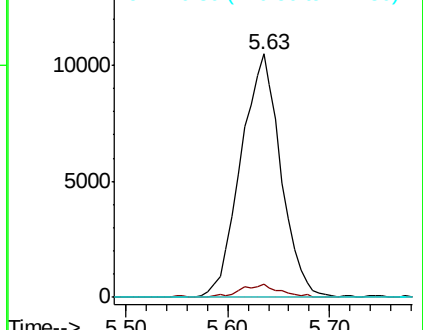
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 50.214 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016064.D

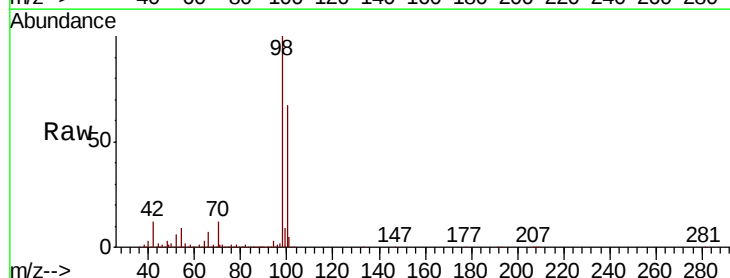
Acq: 05 May 2020 15:20

Tgt Ion: 98 Resp: 580340

Ion Ratio Lower Upper

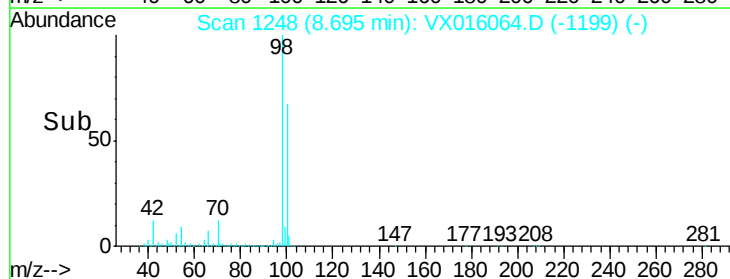
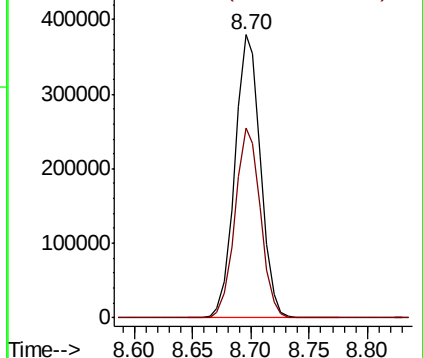
98 100

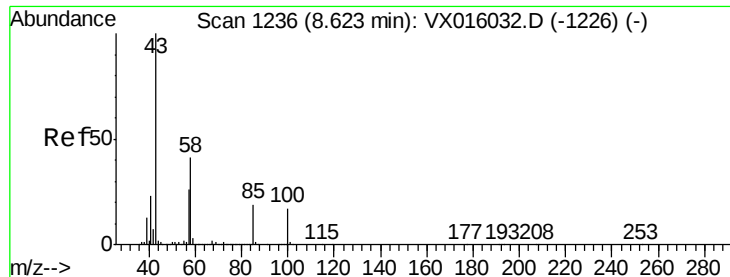
100 66.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.596 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

Instrument :

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ClientSampleId :

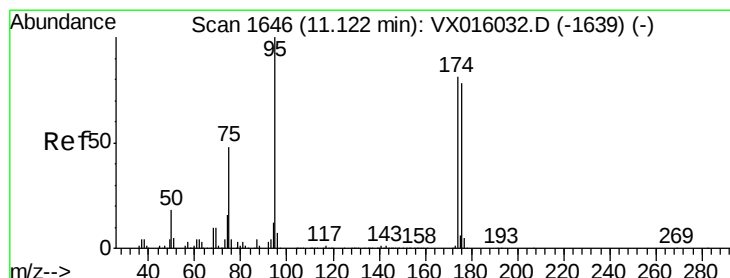
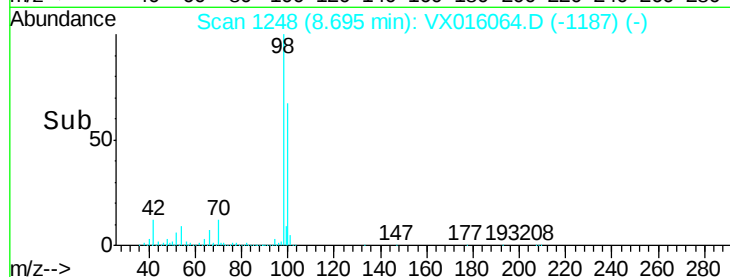
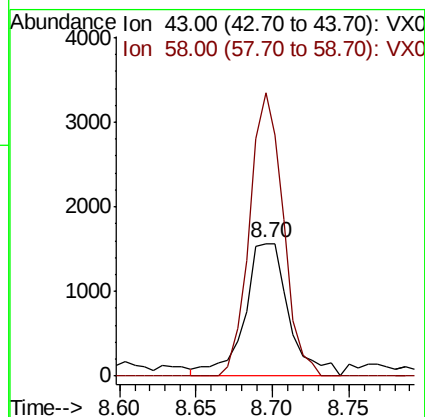
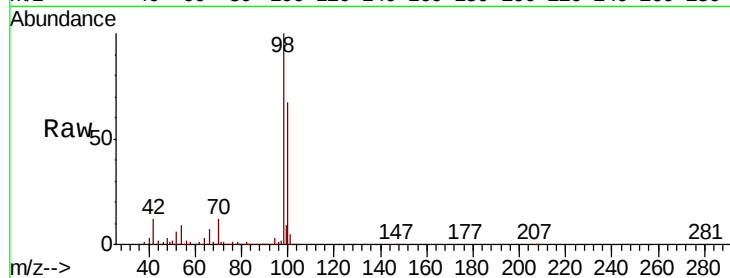
SA-PZ148-20200428

Tot Ion: 43 Resp: 3142

Ion Ratio Lower Upper

43 100

58 162.3 33.0 49.4#



#62

4-Bromofluorobenzene

Concen: 54.006 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

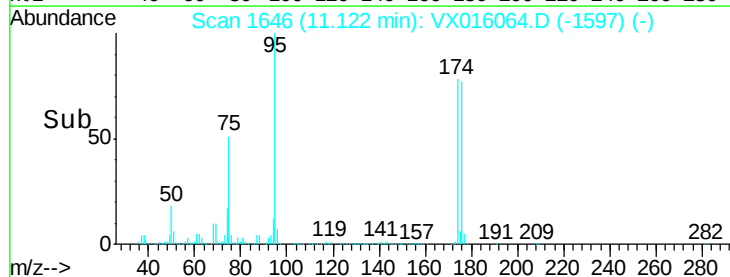
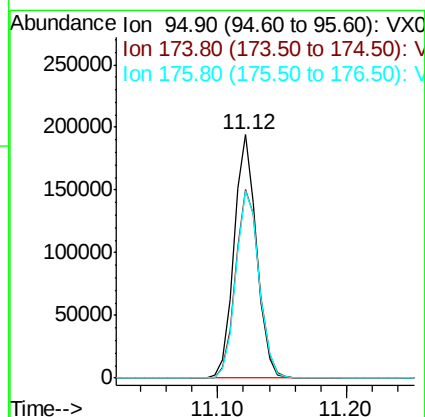
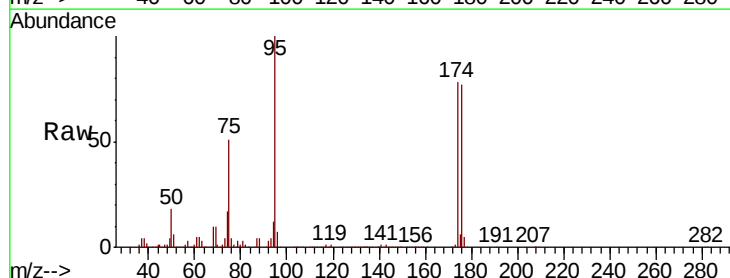
Tgt Ion: 95 Resp: 237404

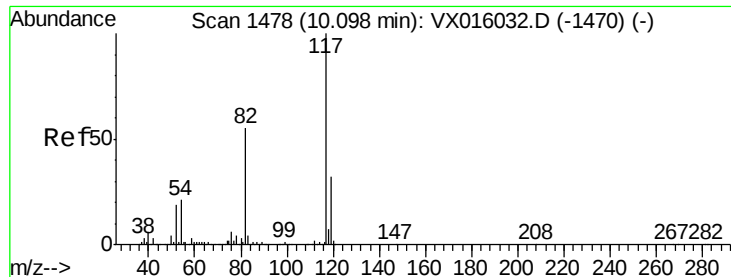
Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

176 79.4 0.0 157.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

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MSVOA_X

ClientSampleId :

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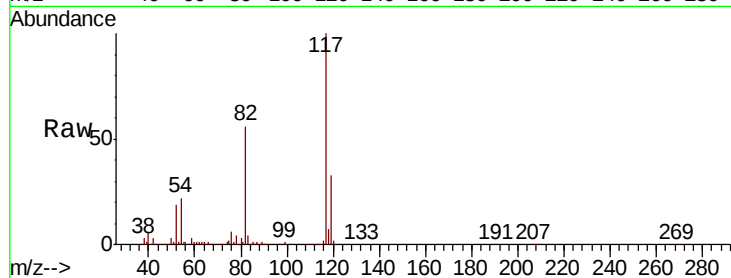
Tot Ion:117 Resp: 463940

Ion Ratio Lower Upper

117 100

82 56.1 44.4 66.6

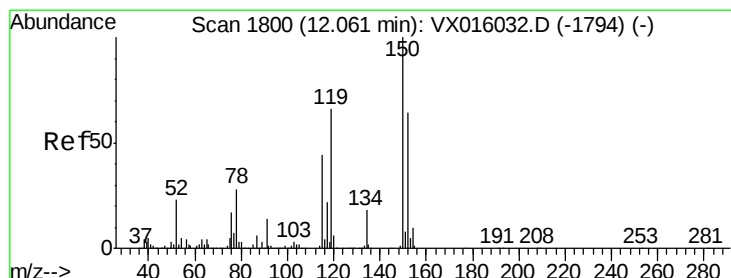
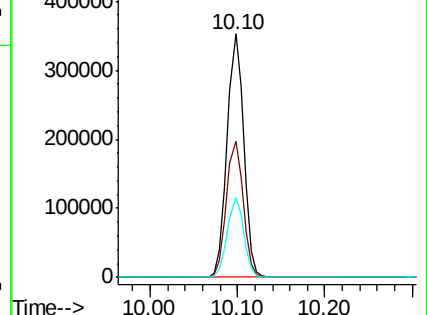
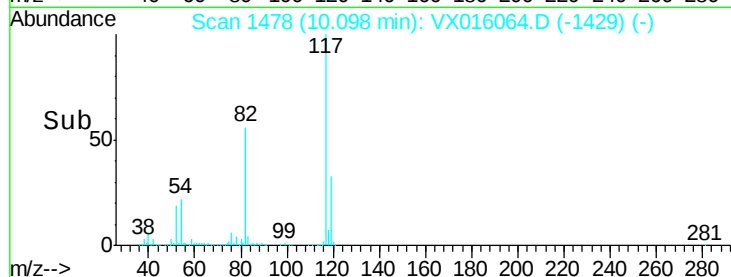
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

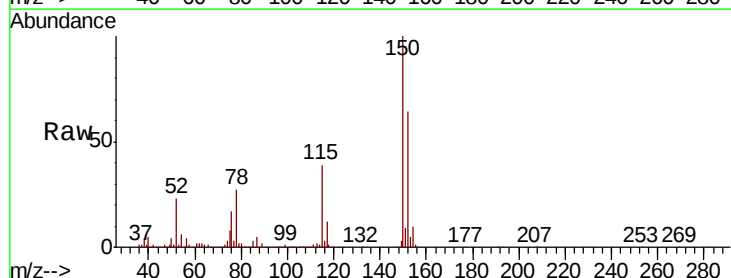
Tgt Ion:152 Resp: 247097

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

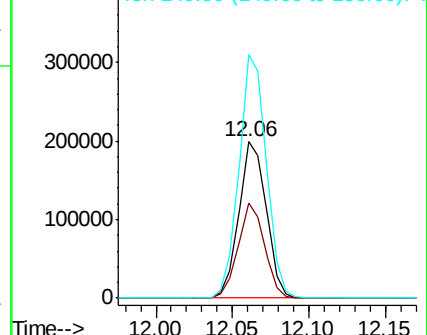
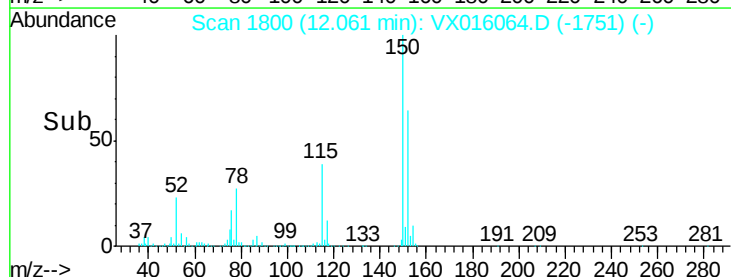
150 155.0 0.0 352.2

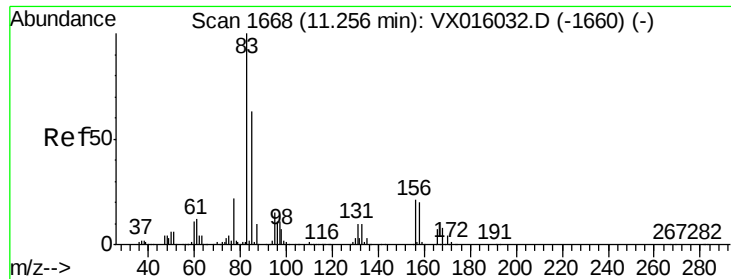


Abundance Ion 151.90 (151.60 to 152.60): V

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: 4.849 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428

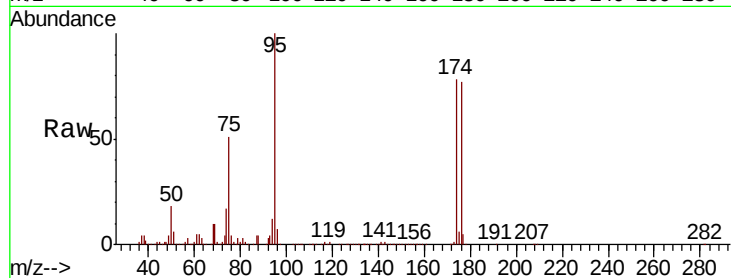
Tot Ion: 83 Resp: 162

Ion Ratio Lower Upper

83 100

131 207.4 5.1 15.4#

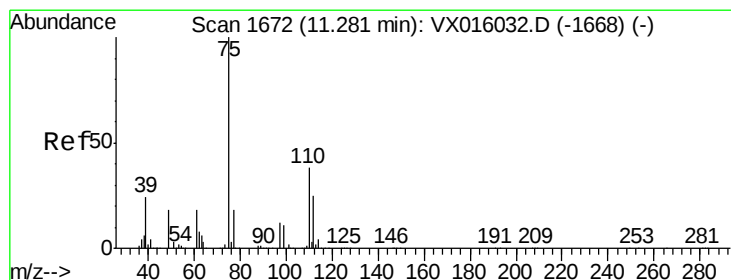
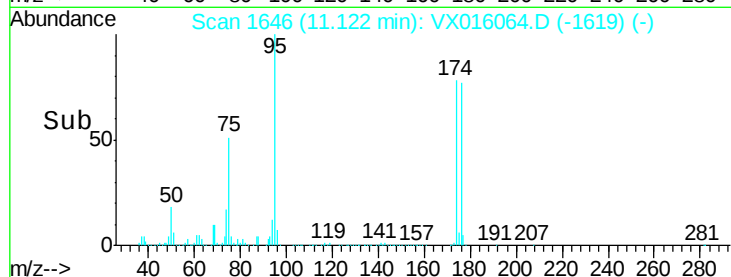
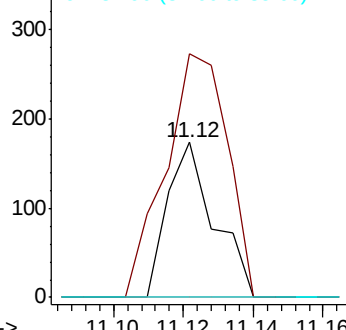
85 0.0 32.0 96.0#



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: 21.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016064.D

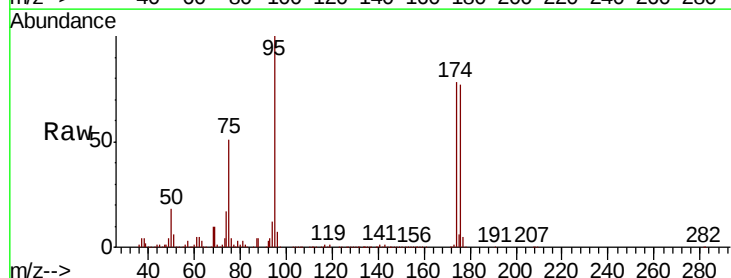
Acq: 05 May 2020 15:20

Tgt Ion: 75 Resp: 122201

Ion Ratio Lower Upper

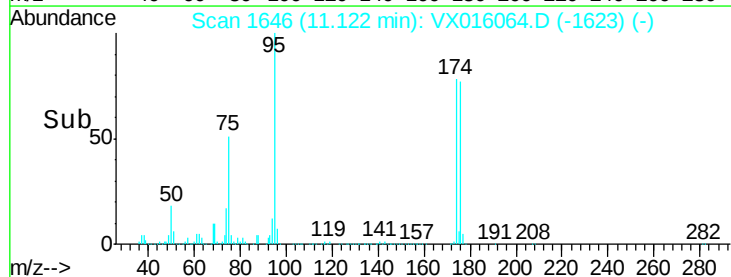
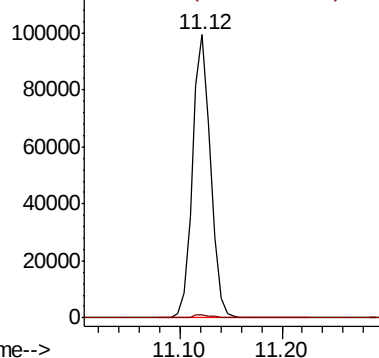
75 100

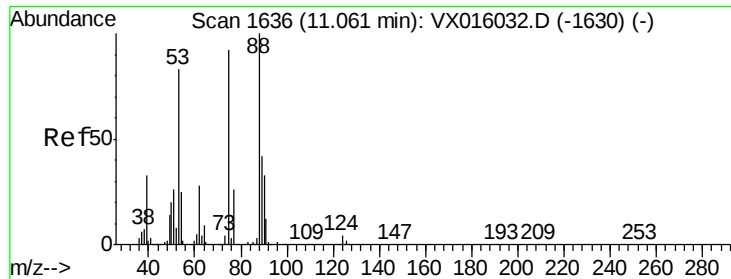
77 1.4 21.2 63.6#



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: 51.936 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428

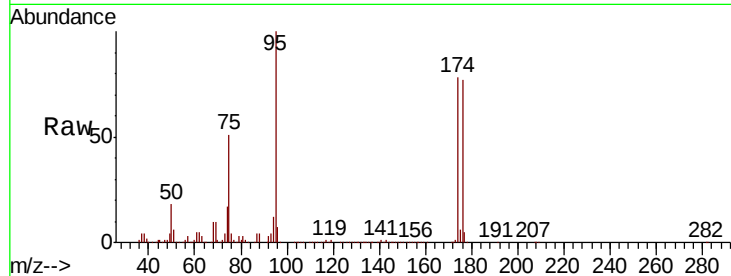
Tot Ion: 75 Resp: 122201

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

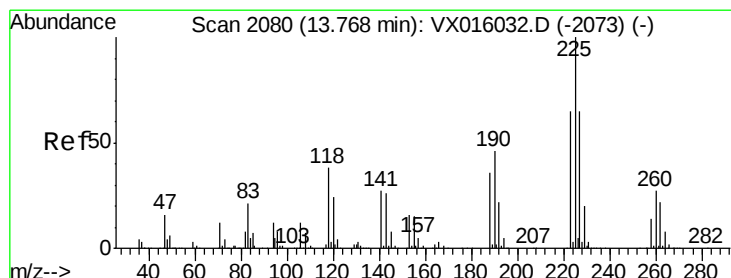
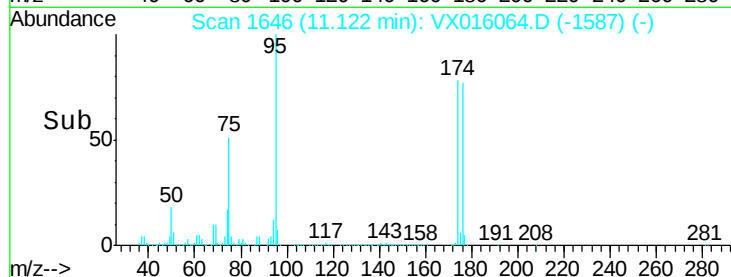
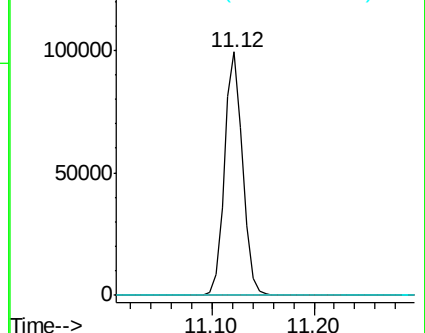
89 0.0 36.7 55.1#



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: 0.568 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016064.D

Acq: 05 May 2020 15:20

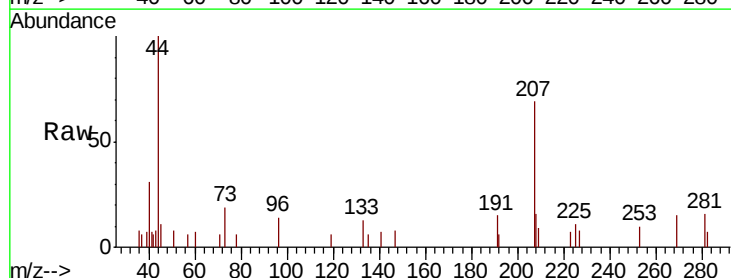
Tgt Ion: 225 Resp: 115

Ion Ratio Lower Upper

225 100

223 20.0 32.3 96.9#

227 74.8 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

