

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016227.D
 Acq On : 14 May 2020 13:45
 Operator : JC/SP
 Sample : L2643-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB8-200513

Quant Time: May 15 01:32:36 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	5.64	168	256251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	427502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	422219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218346	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	158026	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
35) Dibromofluoromethane	5.46	113	125884	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	8.70	98	536589	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.12	95	213190	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	

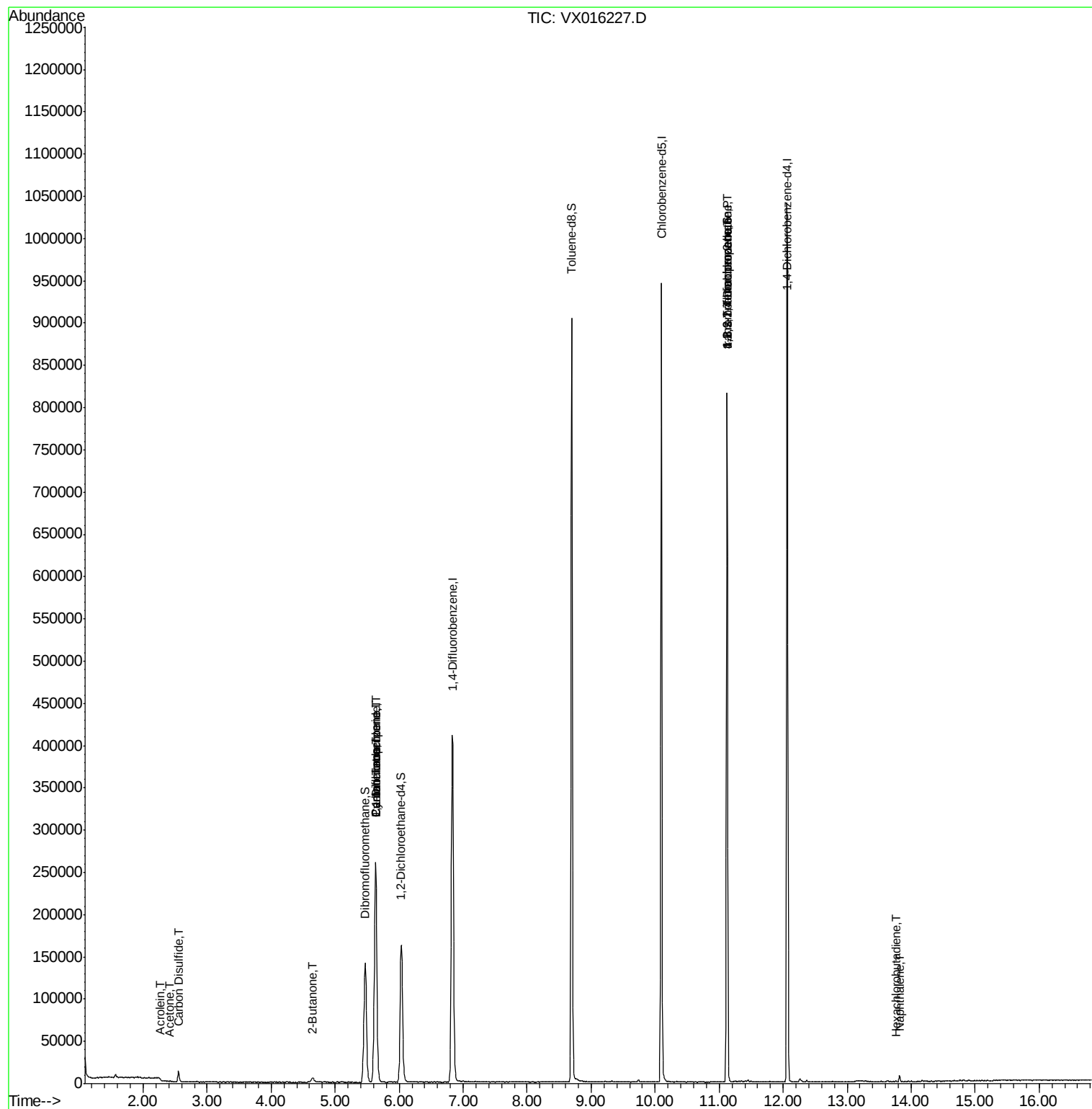
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.27	56	153	0.29	ug/l #	14
16) Acetone	2.42	43	474	0.32	ug/l	97
17) Carbon Disulfide	2.55	76	15839	1.78	ug/l	96
25) 2-Butanone	4.64	43	760	0.31	ug/l #	48
31) Cyclohexane	5.63	56	5070	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19500	4.63	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24435	5.71	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	165	2.10	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	106997	21.59	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	106997	51.46	ug/l #	13
94) Hexachlorobutadiene	13.76	225	102	0.57	ug/l #	45
95) Naphthalene	13.82	128	3858	0.23	ug/l	98

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

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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

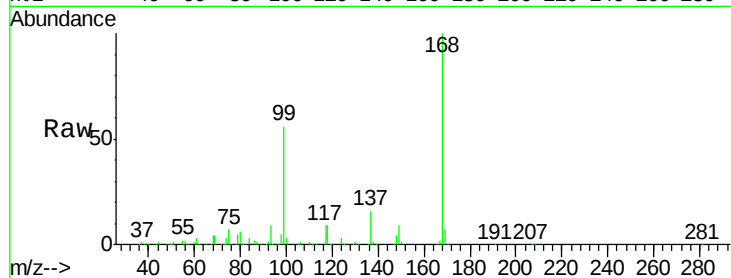
Z4-TB8-200513

Tgt Ion:168 Resp: 256251

Ion Ratio Lower Upper

168 100

99 55.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

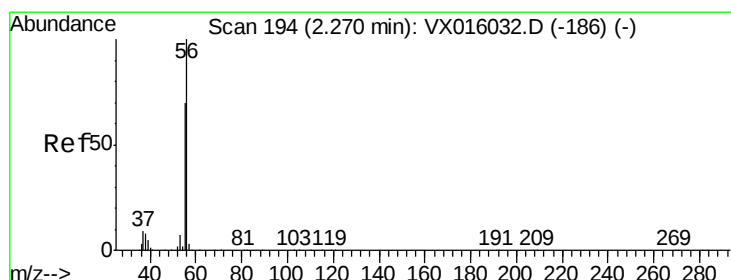
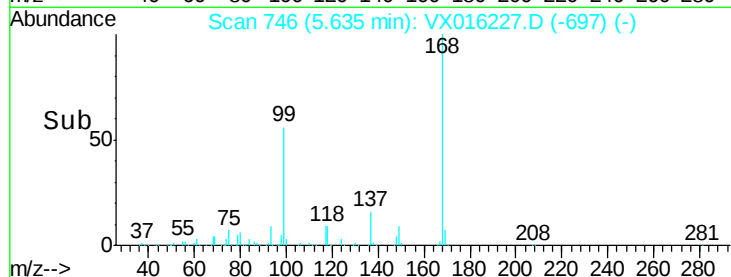
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.29 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016227.D

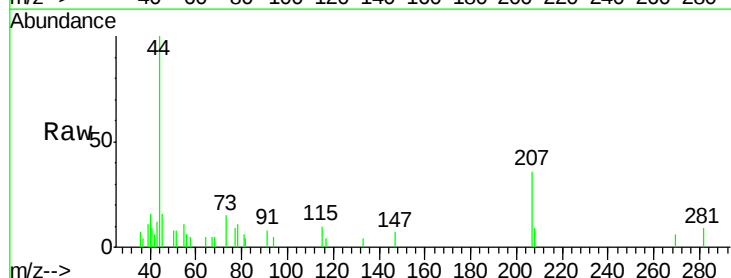
Acq: 14 May 2020 13:45

Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

200

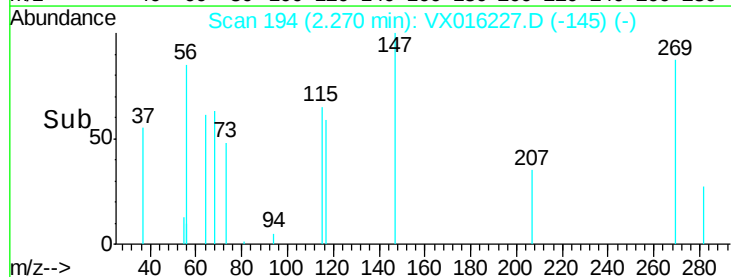
150

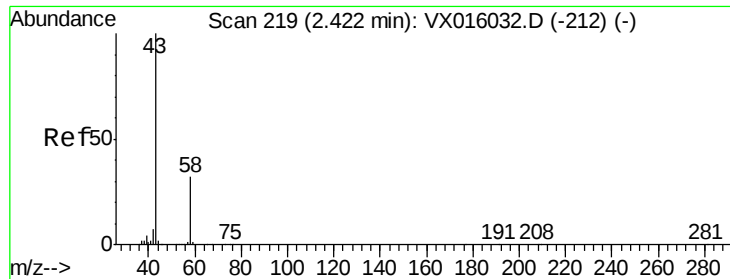
100

50

0

Time-->





#16

Acetone

Concen: 0.32 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

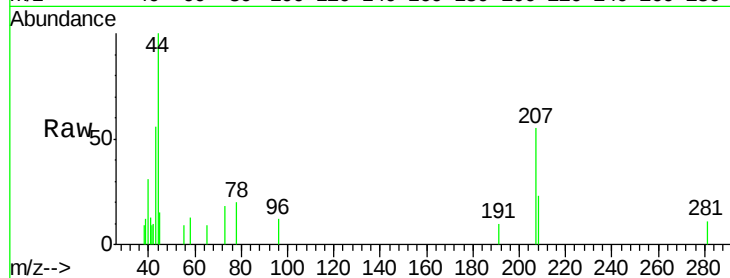
Z4-TB8-200513

Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

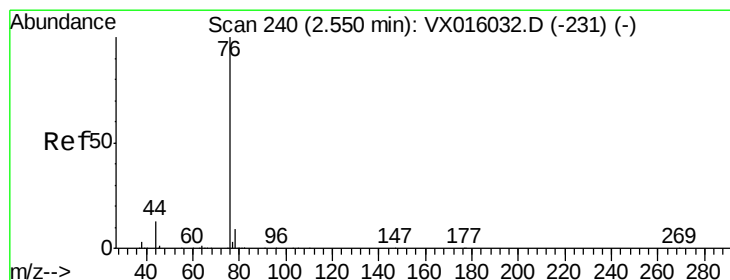
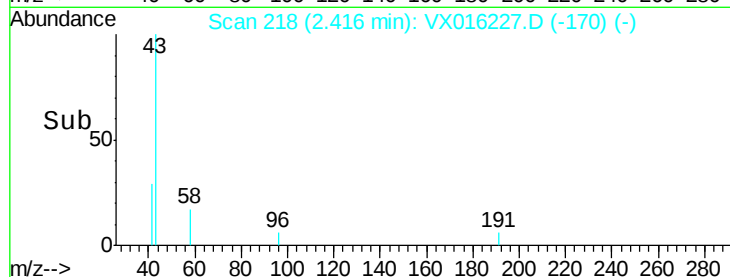
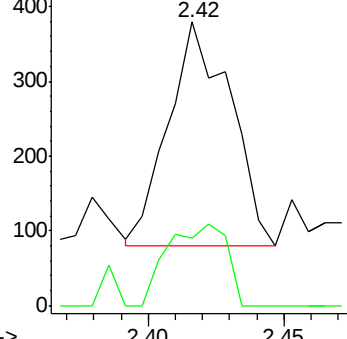
43 100

58 30.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.78 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016227.D

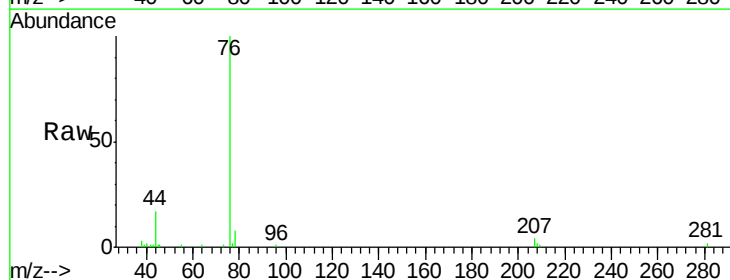
Acq: 14 May 2020 13:45

Tgt Ion: 76 Resp: 15839

Ion Ratio Lower Upper

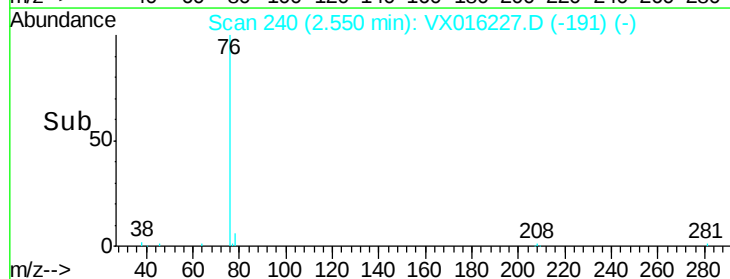
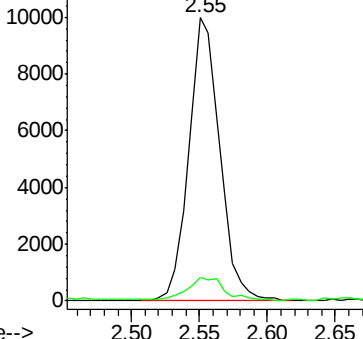
76 100

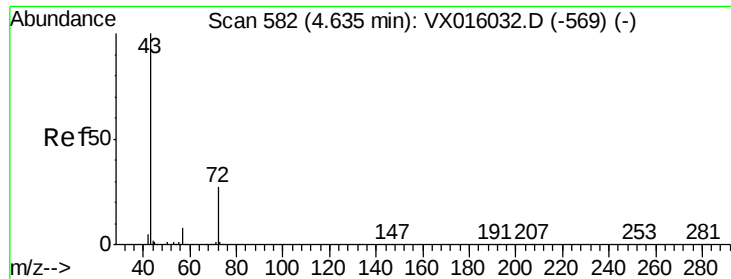
78 7.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

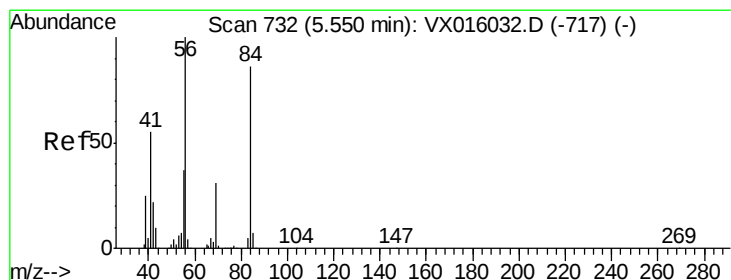
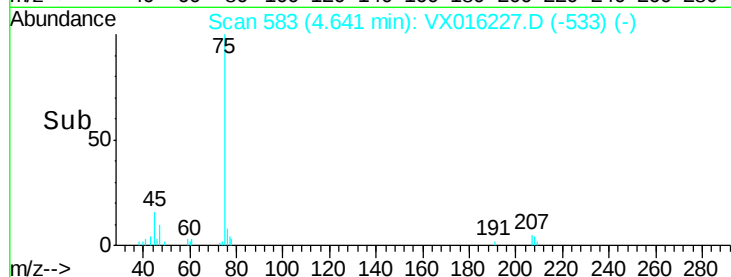
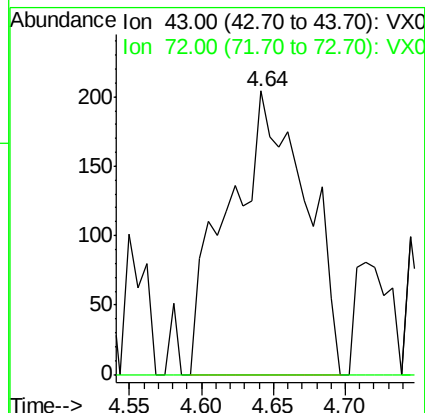
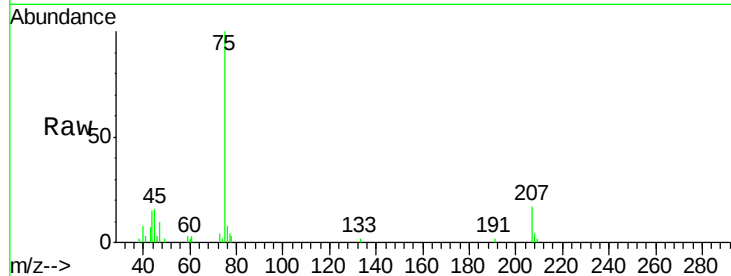
Z4-TB8-200513

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

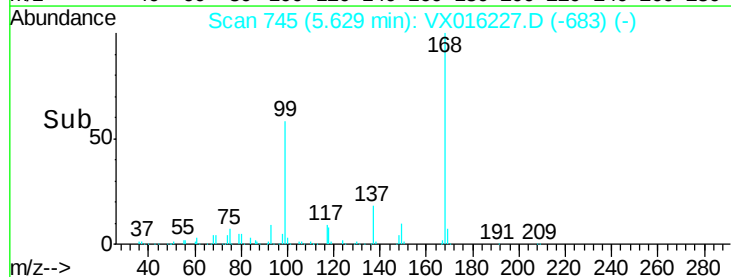
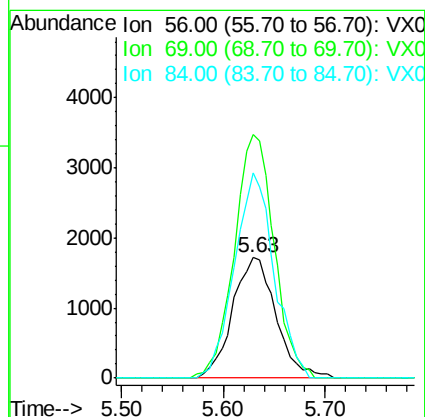
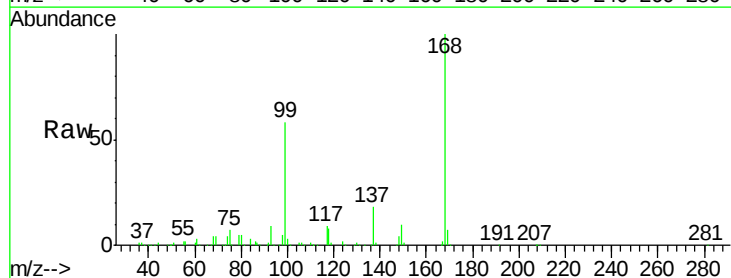
Tgt Ion: 56 Resp: 5070

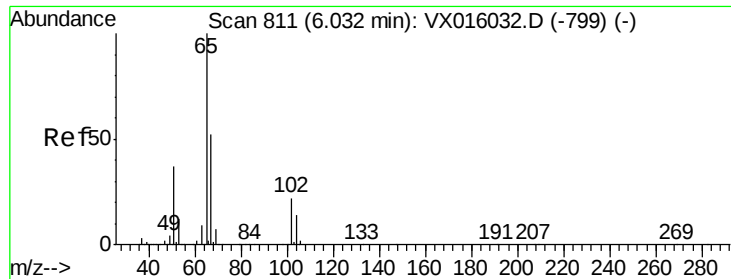
Ion Ratio Lower Upper

56 100

69 202.4 25.0 37.6#

84 170.2 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.86 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

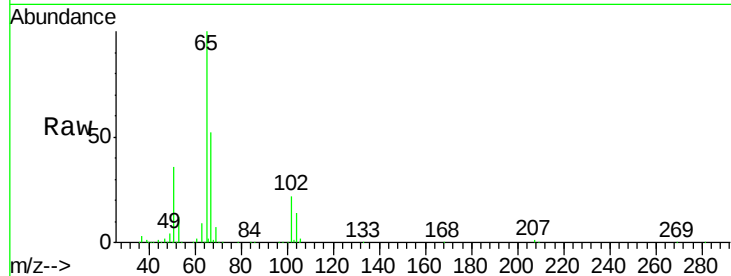
Z4-TB8-200513

Tgt Ion: 65 Resp: 158026

Ion Ratio Lower Upper

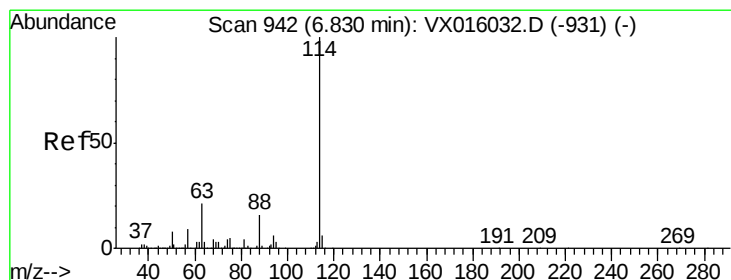
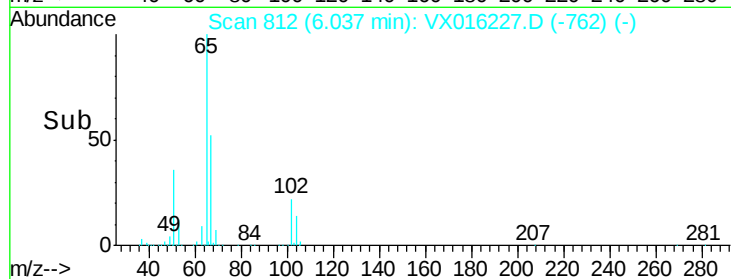
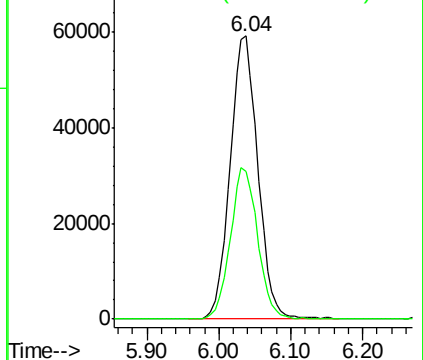
65 100

67 53.0 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: VX016227.D

Acq: 14 May 2020 13:45

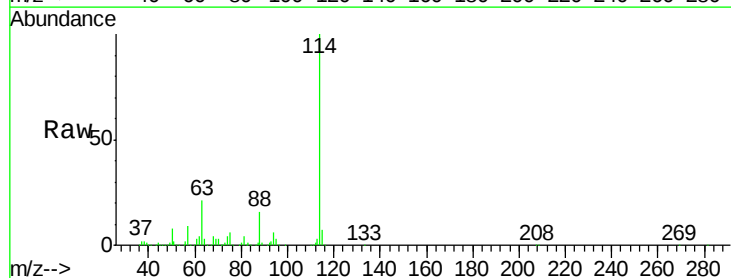
Tgt Ion: 114 Resp: 427502

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

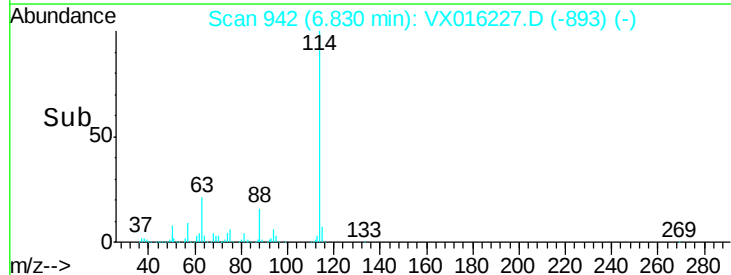
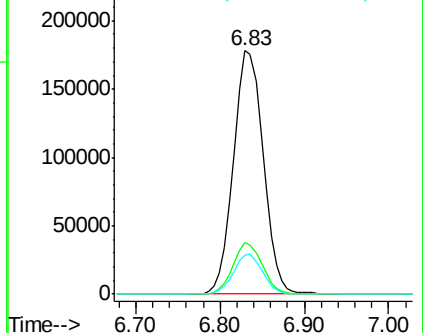
88 16.1 0.0 31.4

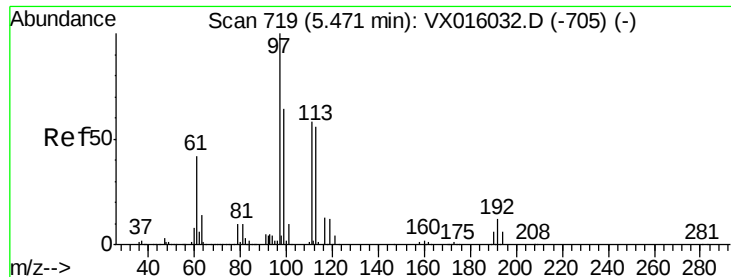


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.48 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB8-200513

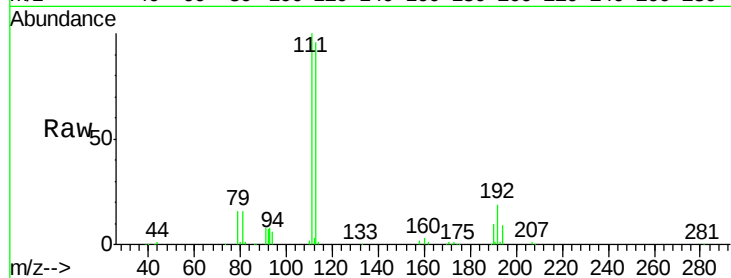
Tgt Ion:113 Resp: 125884

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

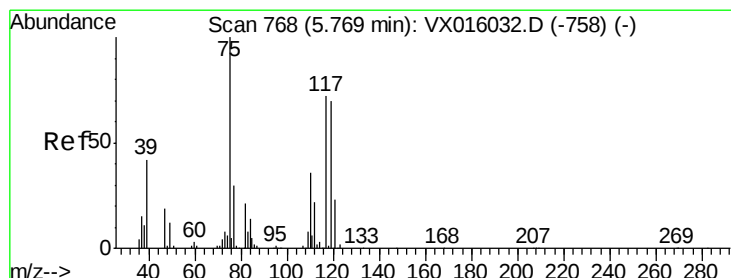
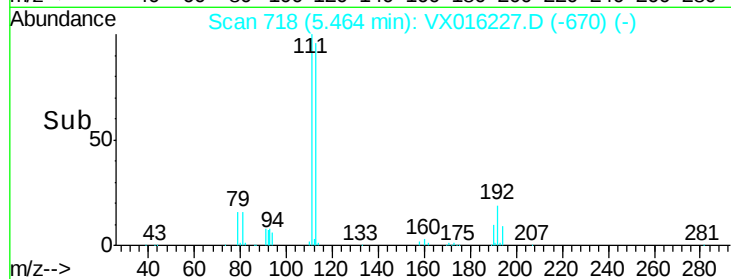
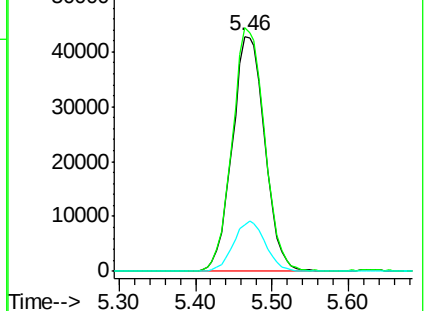
192 21.2 17.0 25.4



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: 4.63 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

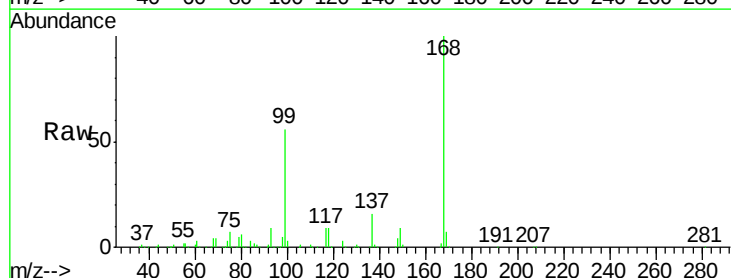
Tgt Ion: 75 Resp: 19500

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

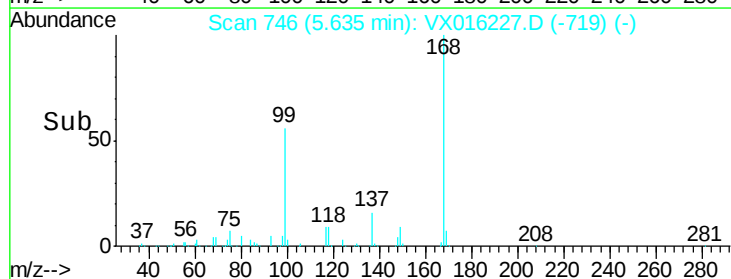
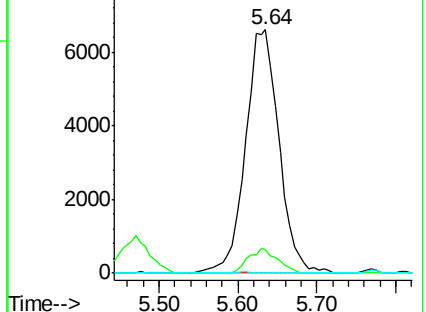
77 0.0 25.0 37.6#

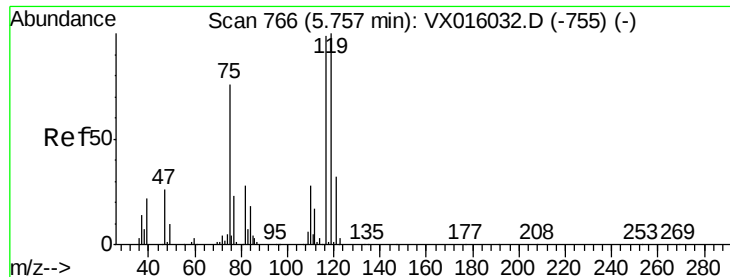


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

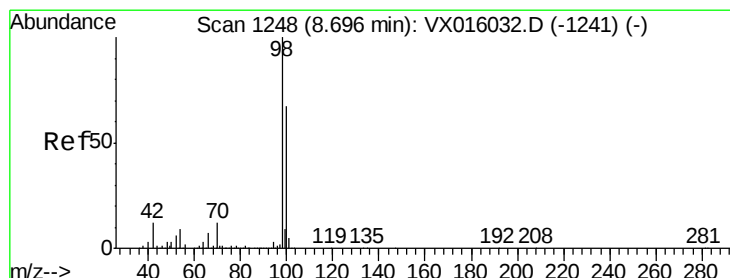
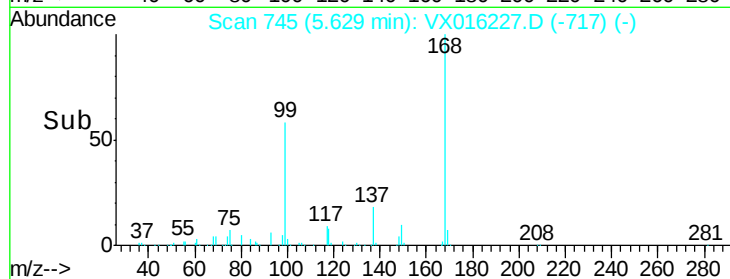
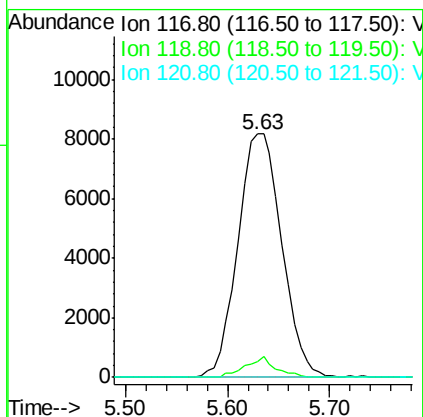
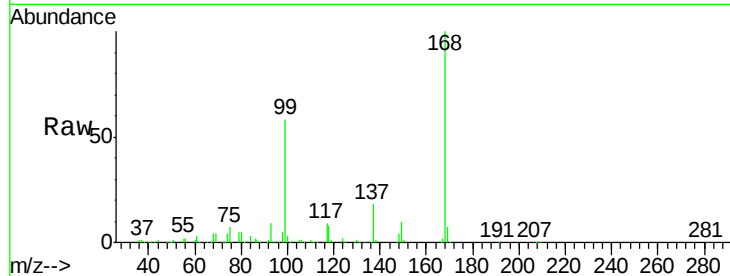




#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016227.D
Acq: 14 May 2020 13:45

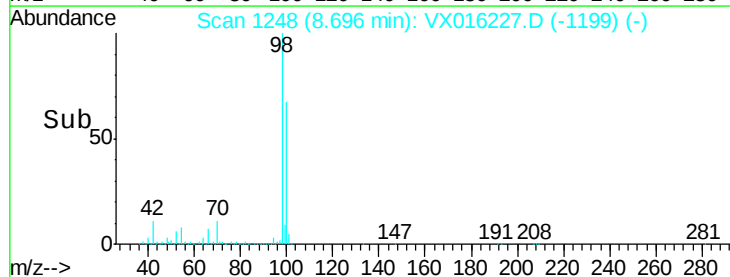
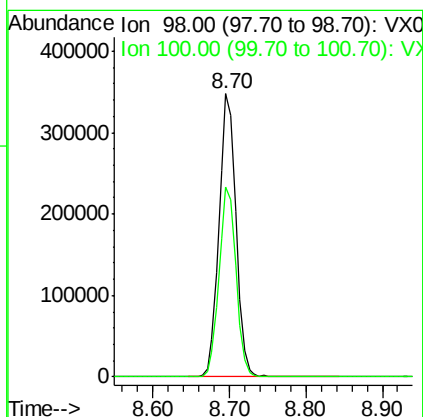
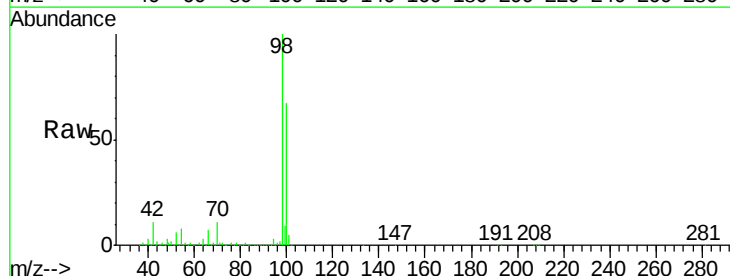
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB8-200513

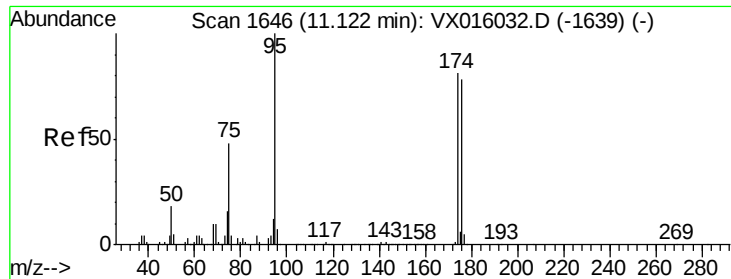
Tgt Ion: 117 Resp: 24435
Ion Ratio Lower Upper
117 100
119 6.6 80.3 120.5#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 51.42 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016227.D
Acq: 14 May 2020 13:45

Tgt Ion: 98 Resp: 536589
Ion Ratio Lower Upper
98 100
100 67.0 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 53.71 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB8-200513

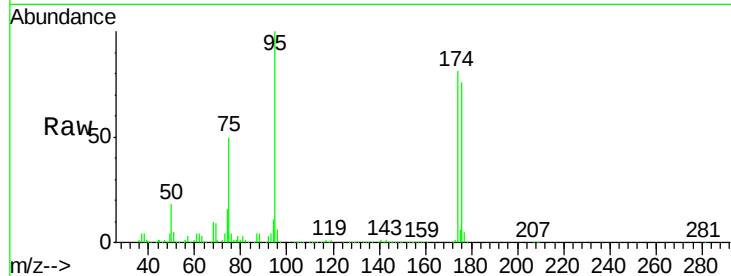
Tgt Ion: 95 Resp: 213190

Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

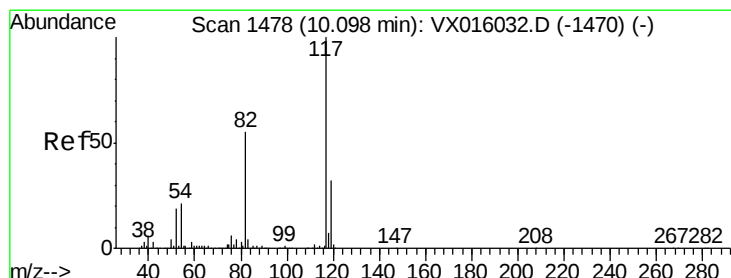
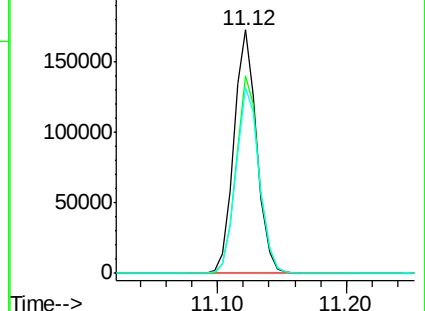
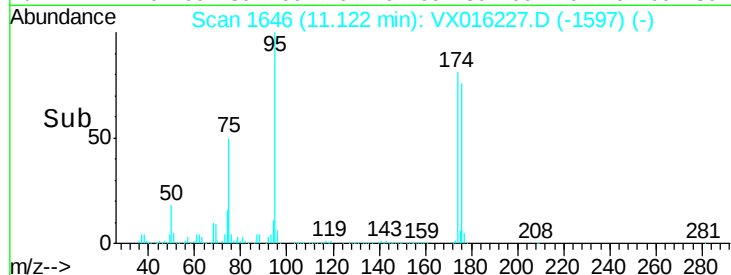
176 78.0 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016227.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016227.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016227.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

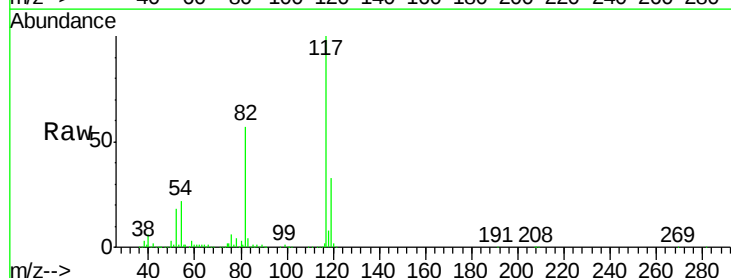
Tgt Ion: 117 Resp: 422219

Ion Ratio Lower Upper

117 100

82 57.0 44.4 66.6

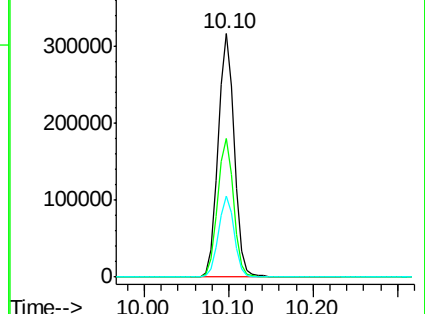
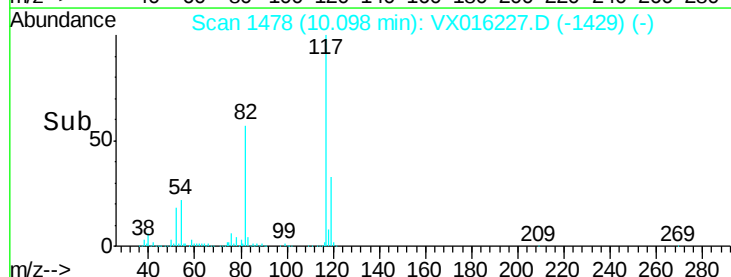
119 33.2 25.5 38.3

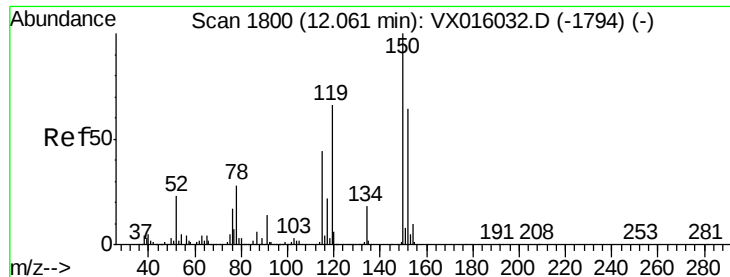


Abundance Ion 116.90 (116.60 to 117.60): VX016227.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016227.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016227.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: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB8-200513

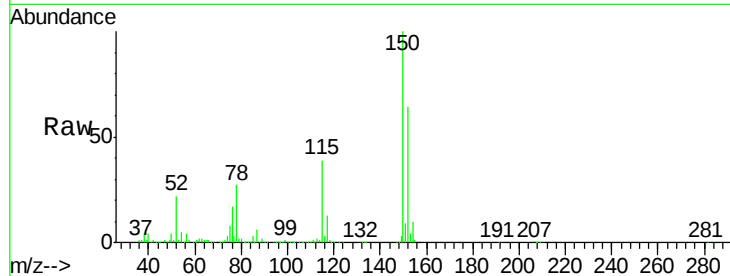
Tgt Ion:152 Resp: 218346

Ion Ratio Lower Upper

152 100

115 59.2 41.3 124.1

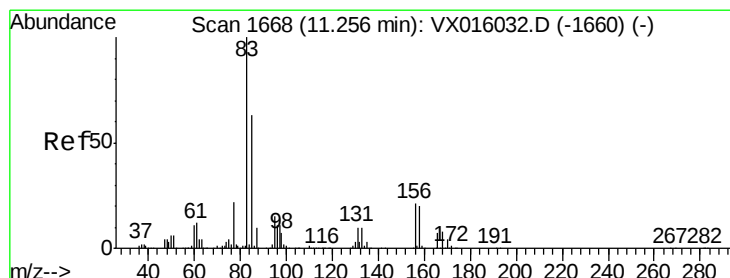
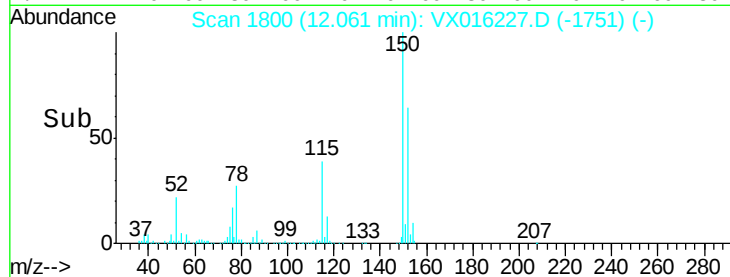
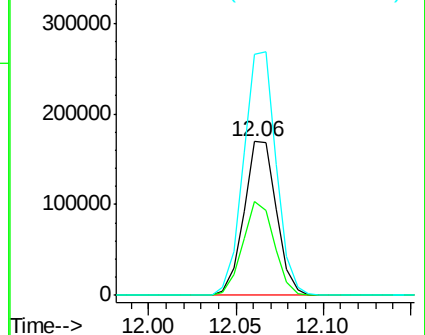
150 158.9 0.0 352.2



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: 2.10 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

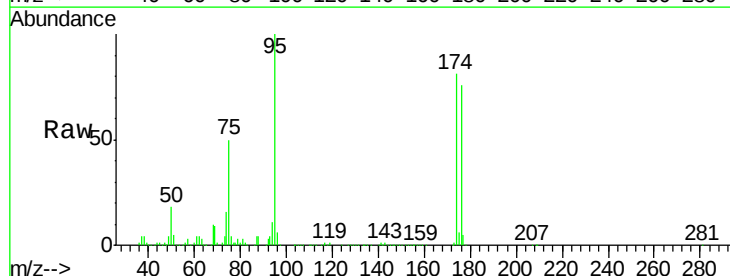
Tgt Ion: 83 Resp: 165

Ion Ratio Lower Upper

83 100

131 167.9 5.1 15.4#

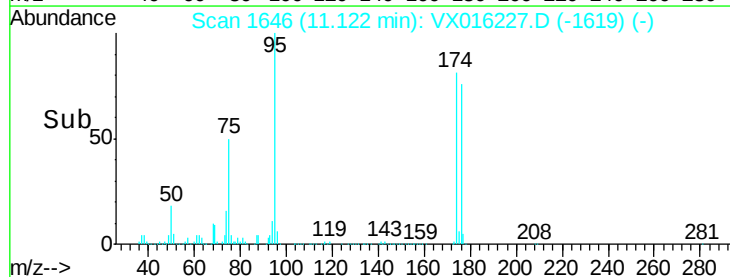
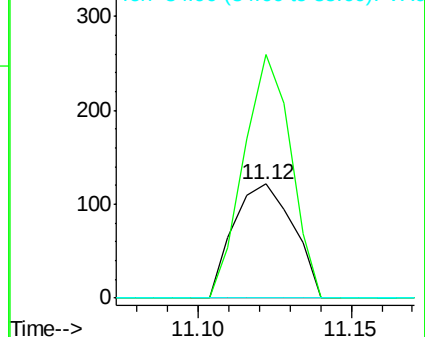
85 0.0 32.0 96.0#

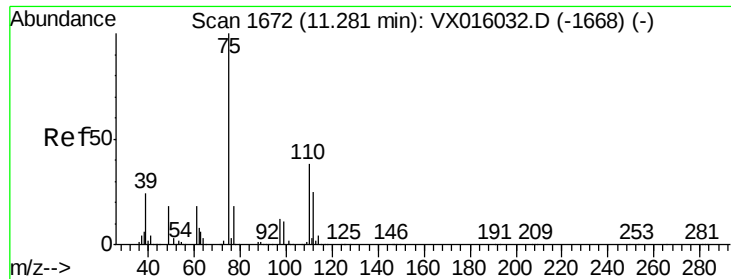


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.59 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

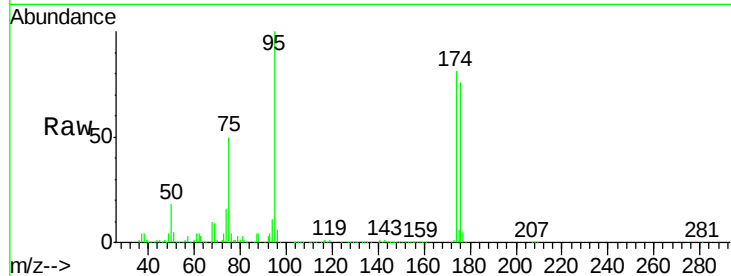
Z4-TB8-200513

Tgt Ion: 75 Resp: 106997

Ion Ratio Lower Upper

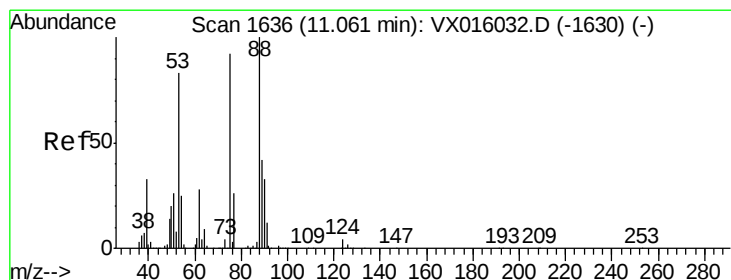
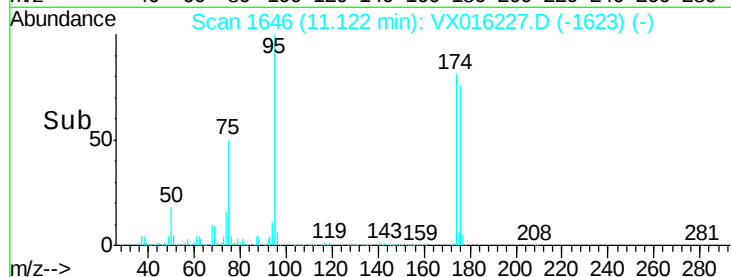
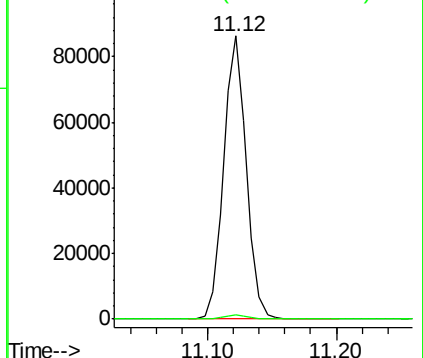
75 100

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: 51.46 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

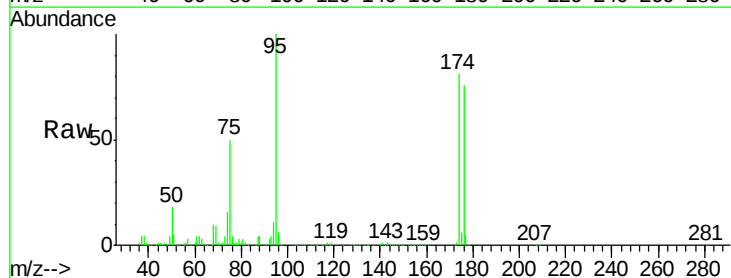
Tgt Ion: 75 Resp: 106997

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

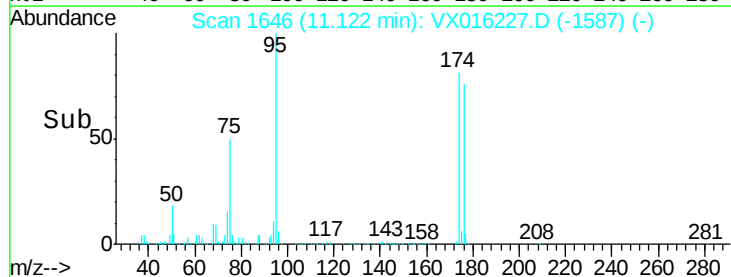
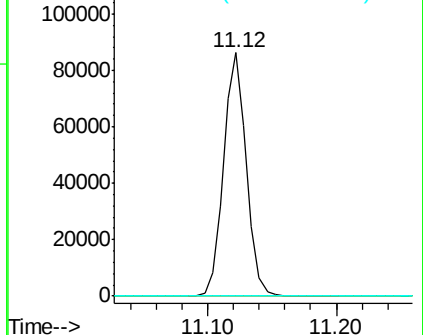
89 0.0 36.7 55.1#

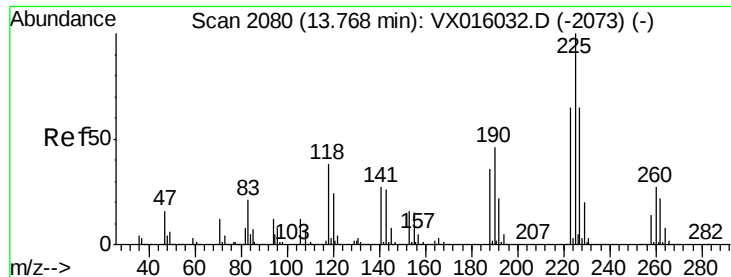


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.57 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

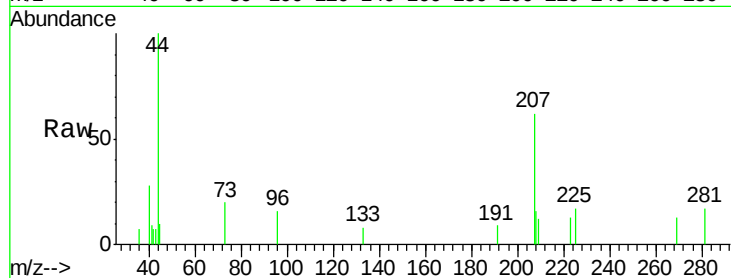
Instrument :

MSVOA_X

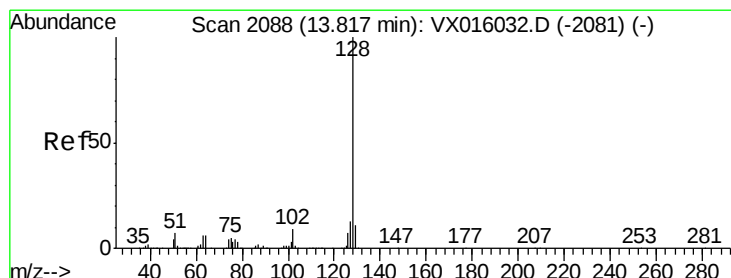
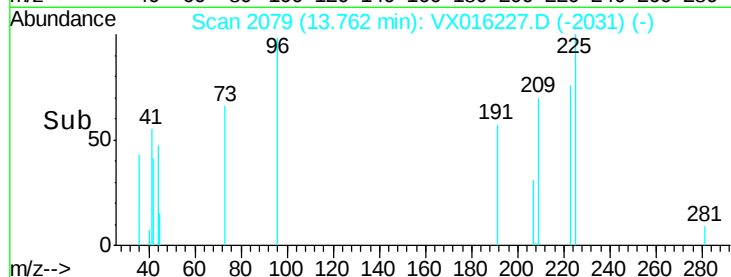
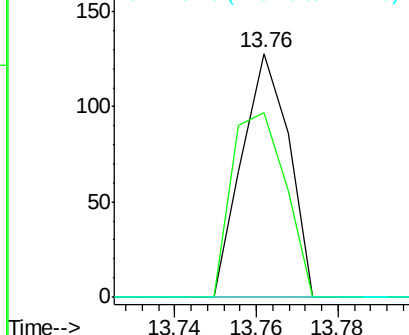
ClientSampleId :

Z4-TB8-200513

Tgt Ion:	225	Resp:	102
Ion	Ratio	Lower	Upper
225	100		
223	87.3	32.3	96.9
227	0.0	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



#95

Naphthalene

Concen: 0.23 ug/l

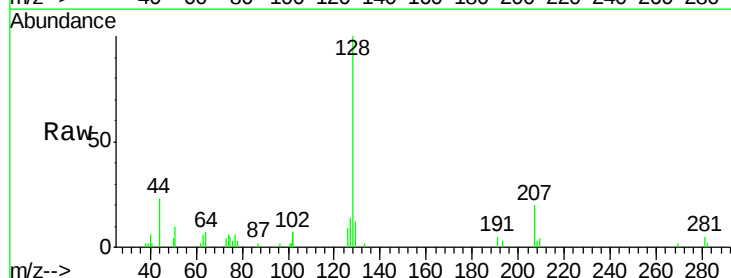
RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016227.D

Acq: 14 May 2020 13:45

Tgt Ion:	128	Resp:	3858
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	12.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

