

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016229.D
 Acq On : 14 May 2020 14:30
 Operator : JC/SP
 Sample : L2643-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB10-200513

Quant Time: May 15 01:33:00 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	253096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	420343	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	417457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	155673	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	5.47	113	124322	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.70	98	525832	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	11.12	95	211645	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

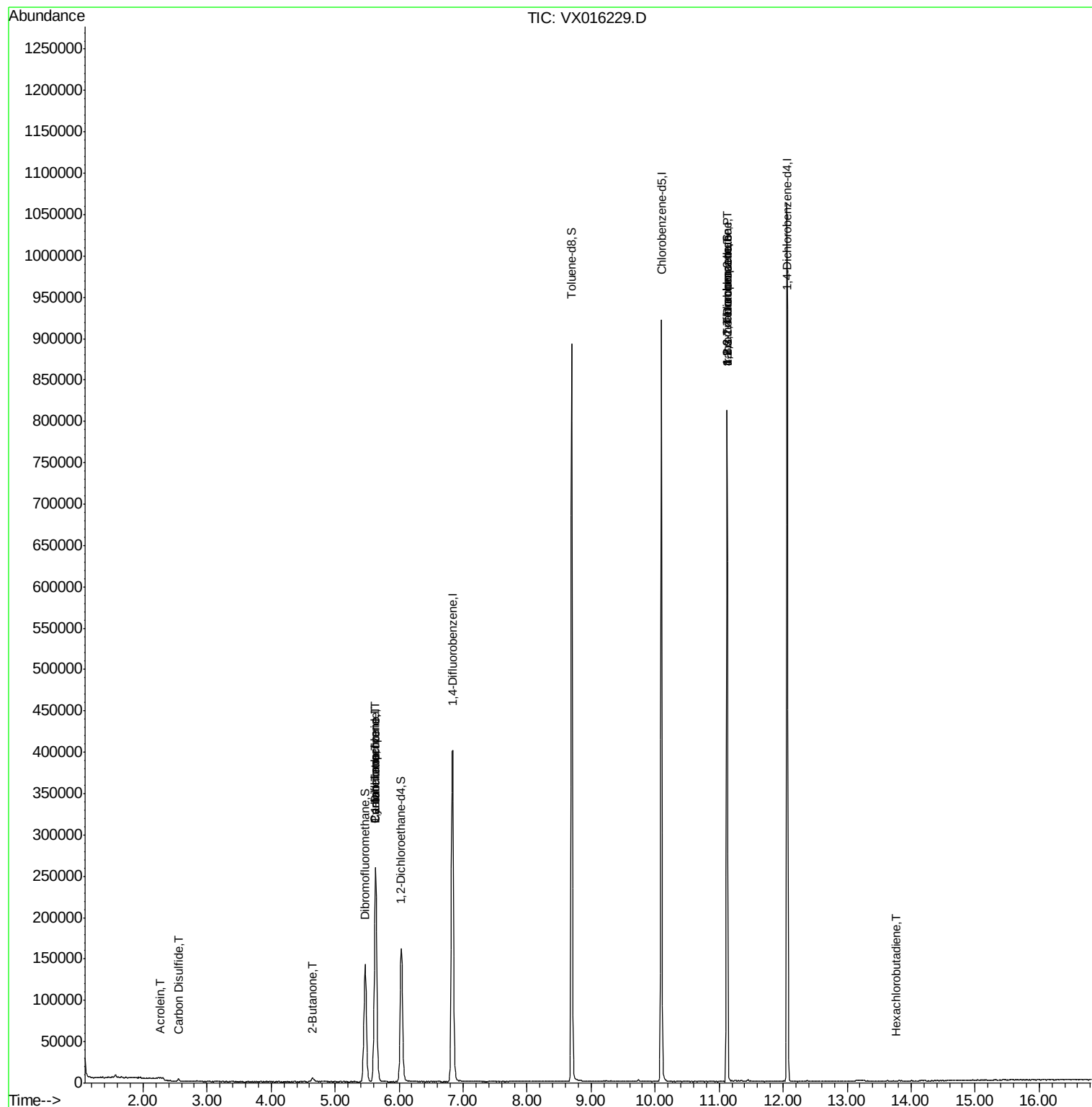
Target Compounds						Qvalue
13) Acrolein	2.26	56	247	0.47	ug/l	96
17) Carbon Disulfide	2.55	76	4320	0.34	ug/l #	92
25) 2-Butanone	4.65	43	646	0.27	ug/l #	48
31) Cyclohexane	5.62	56	4706	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18752	4.53	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24566	5.84	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	151	2.10	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	103048	20.83	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	103048	49.64	ug/l #	13
94) Hexachlorobutadiene	13.77	225	20	0.53	ug/l #	18

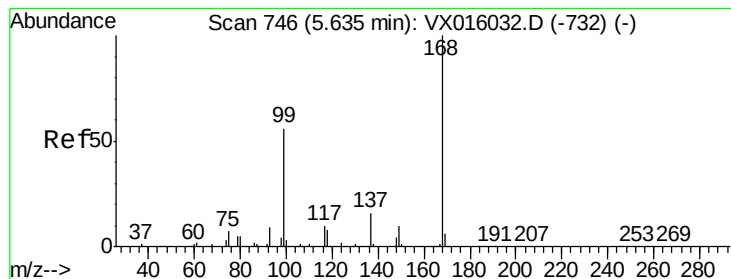
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
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ClientSampled :
Z4-TB10-200513

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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: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

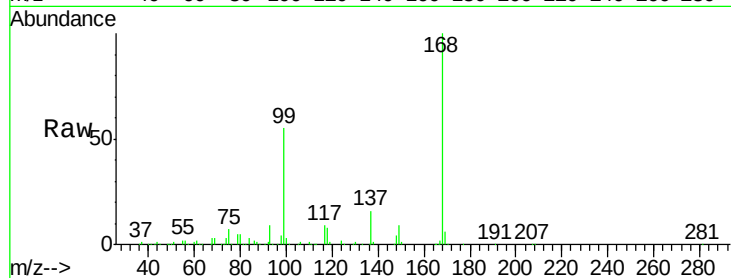
Z4-TB10-200513

Tgt Ion:168 Resp: 253096

Ion Ratio Lower Upper

168 100

99 55.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

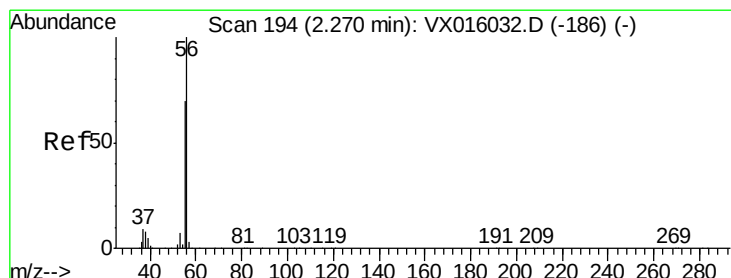
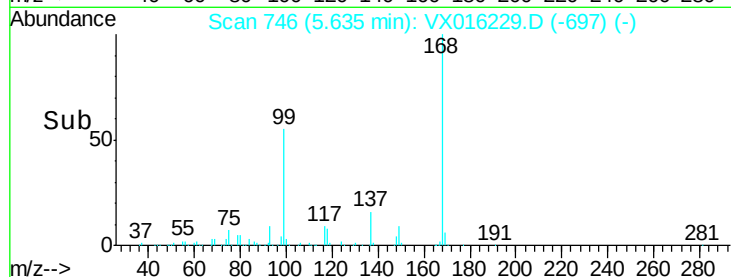
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.47 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016229.D

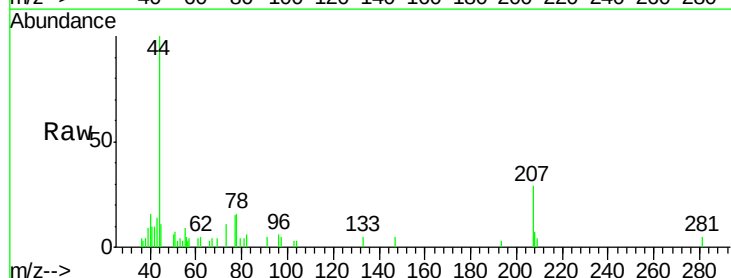
Acq: 14 May 2020 14:30

Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 74.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.26

200

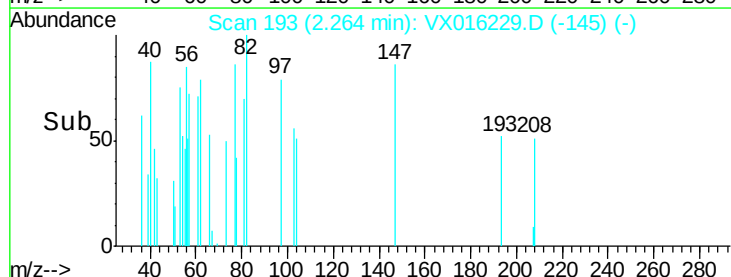
150

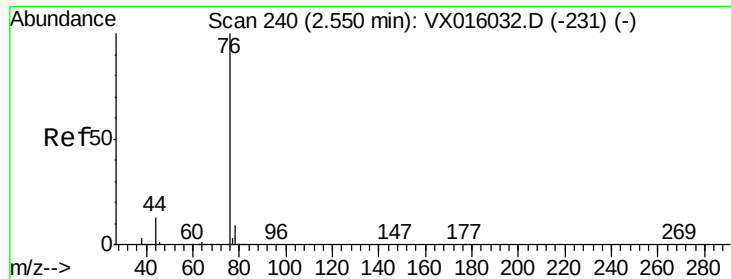
100

50

0

Time-->





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

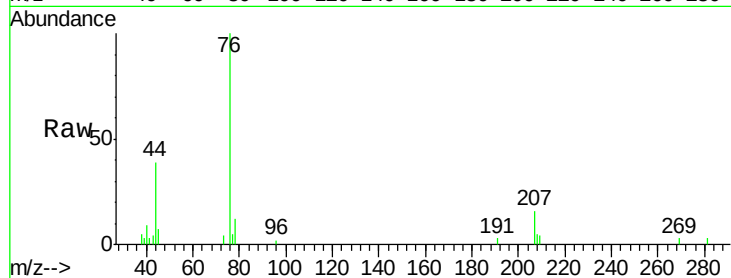
Z4-TB10-200513

Tgt Ion: 76 Resp: 4320

Ion Ratio Lower Upper

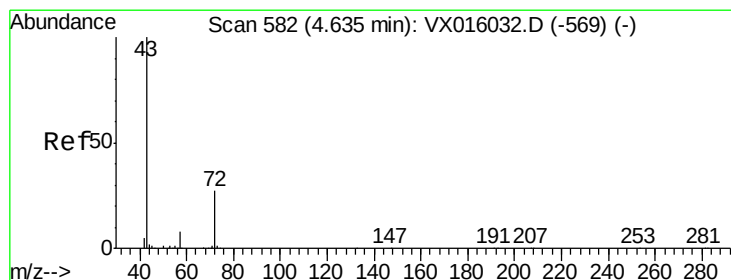
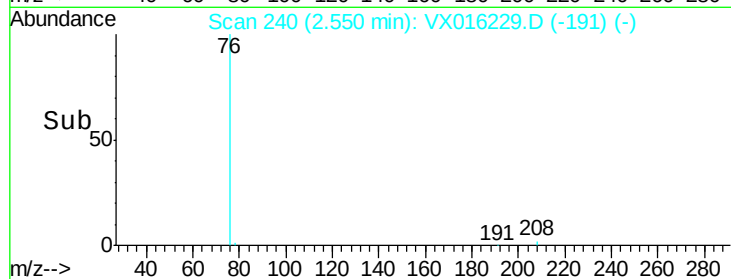
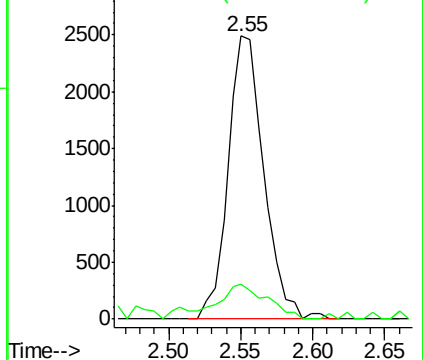
76 100

78 12.2 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: 0.27 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016229.D

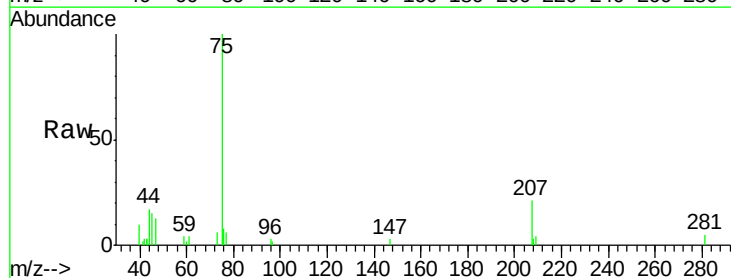
Acq: 14 May 2020 14:30

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

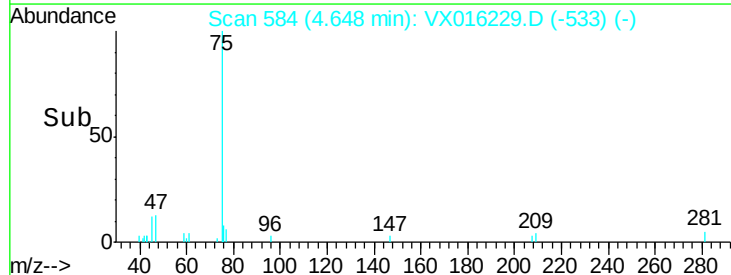
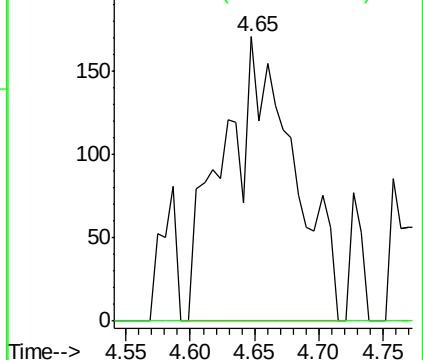
43 100

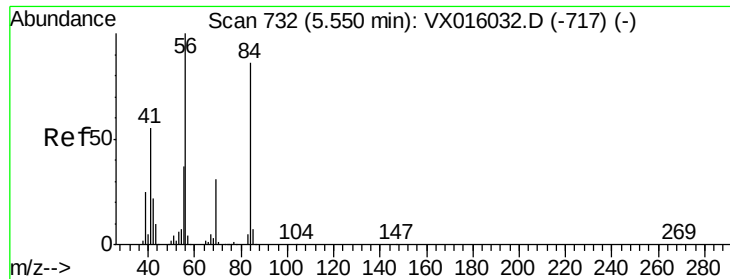
72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

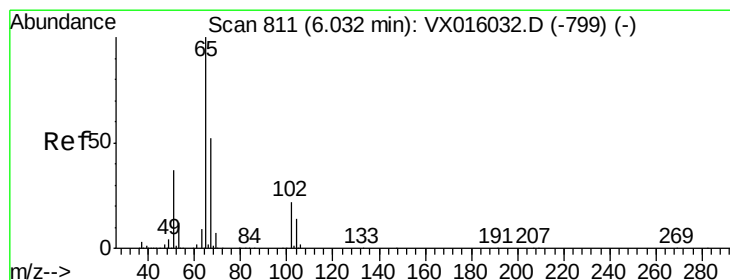
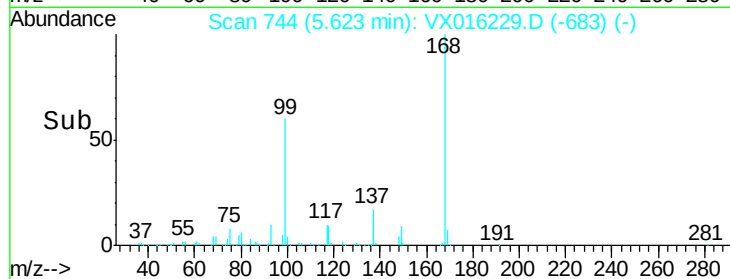
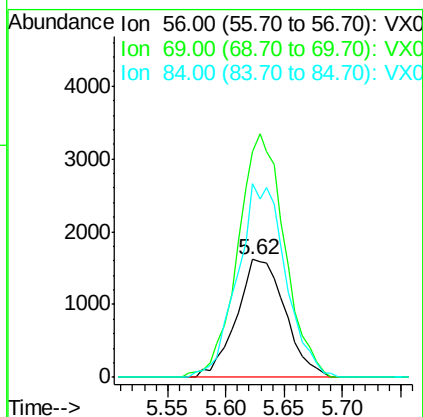
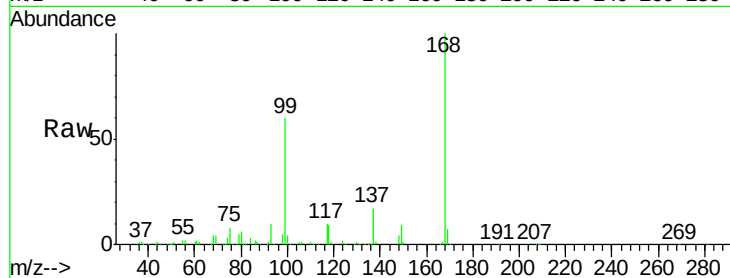




#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016229.D
Acq: 14 May 2020 14:30

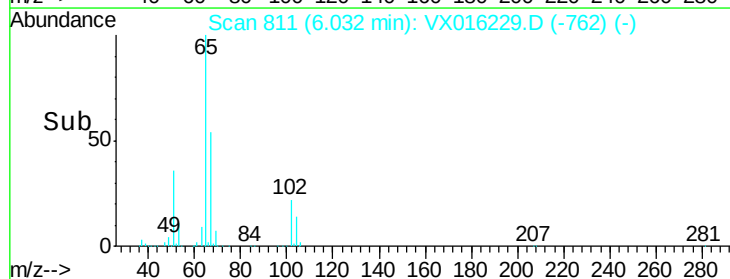
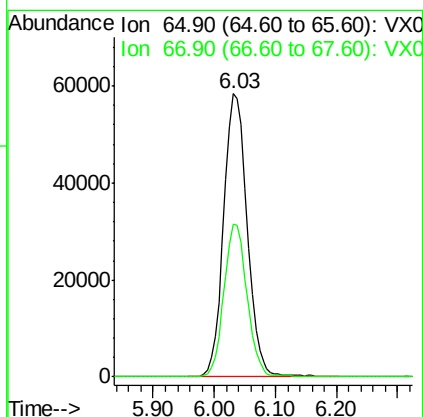
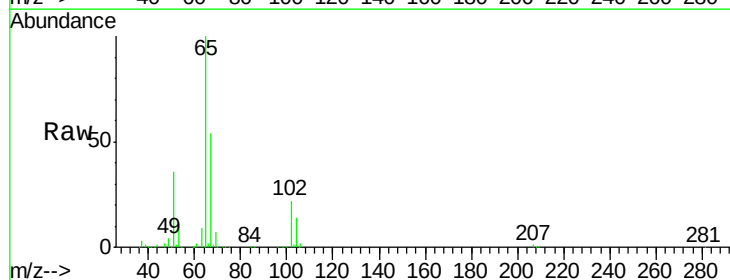
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB10-200513

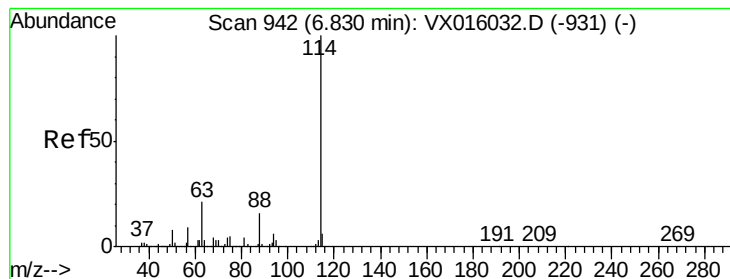
Tgt Ion: 56 Resp: 4706
Ion Ratio Lower Upper
56 100
69 191.5 25.0 37.6#
84 165.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.74 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016229.D
Acq: 14 May 2020 14:30

Tgt Ion: 65 Resp: 155673
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB10-200513

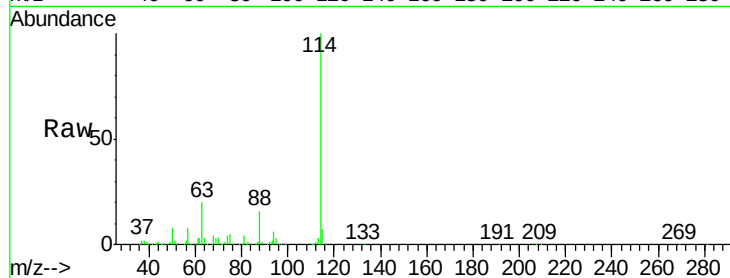
Tgt Ion:114 Resp: 420343

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

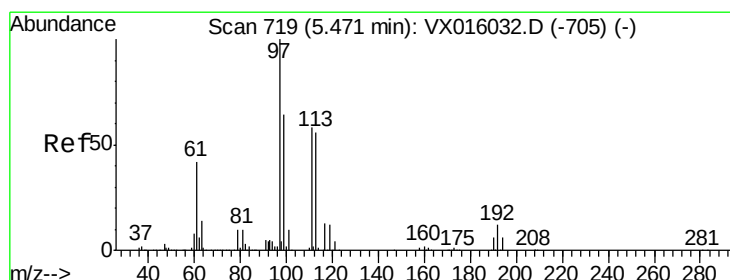
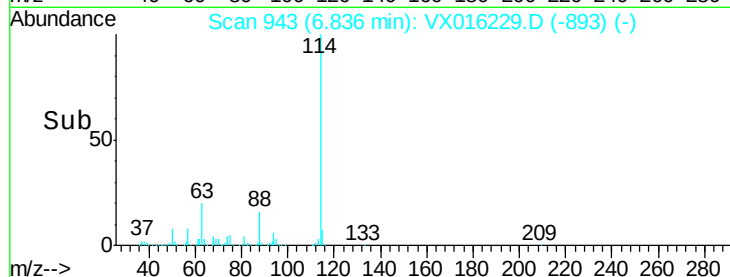
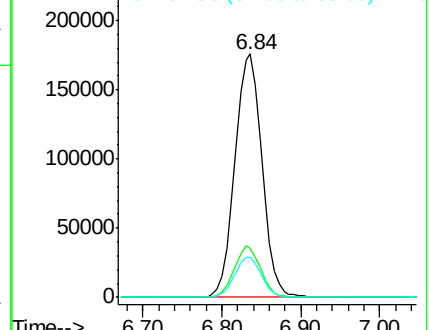
88 16.4 0.0 31.4



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: 46.68 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

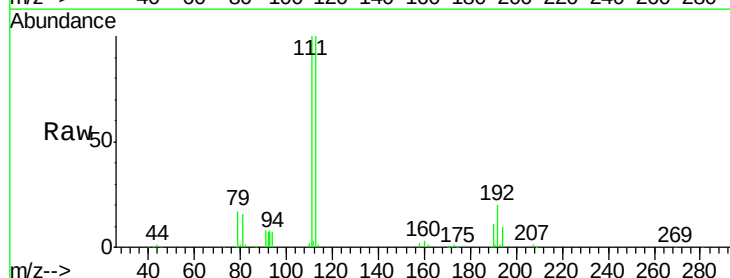
Tgt Ion:113 Resp: 124322

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

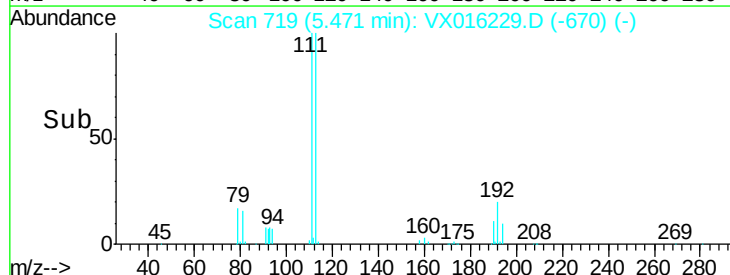
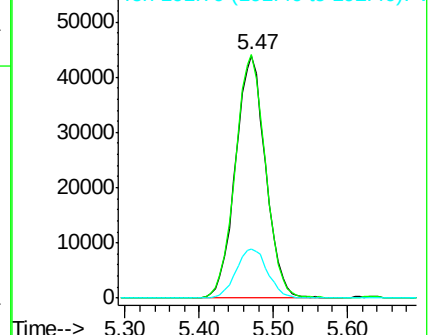
192 21.2 17.0 25.4

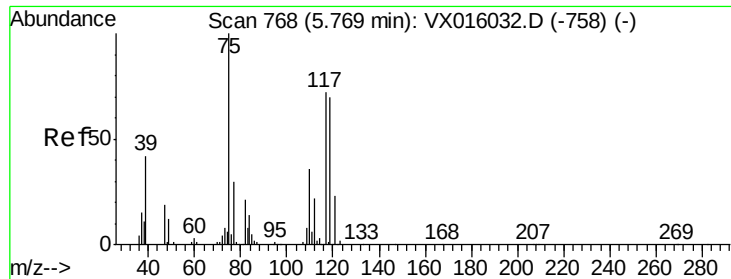


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB10-200513

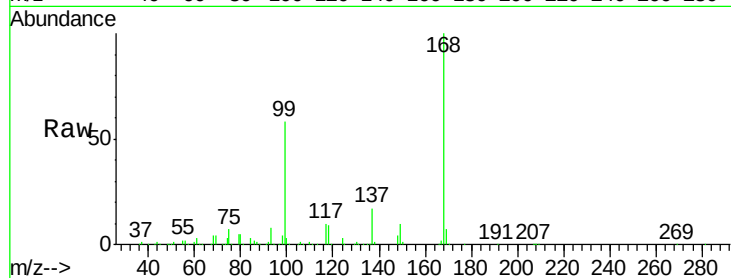
Tgt Ion: 75 Resp: 18752

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

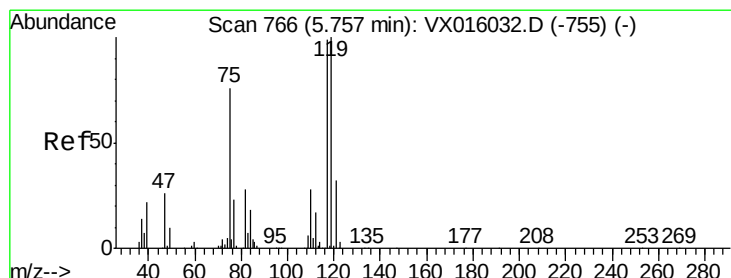
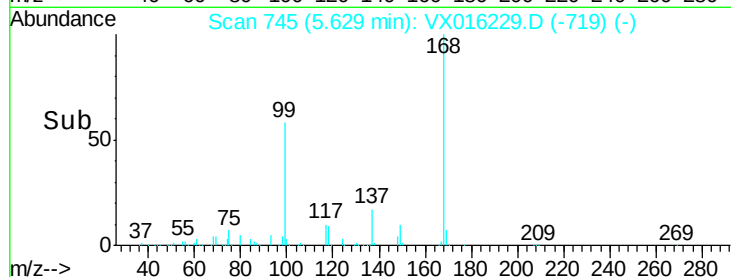
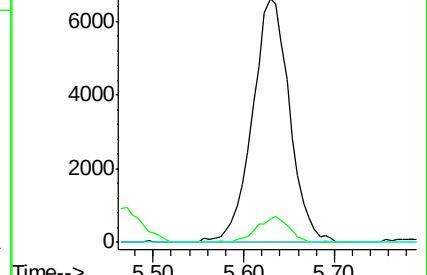
77 0.0 25.0 37.6#



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: 5.84 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

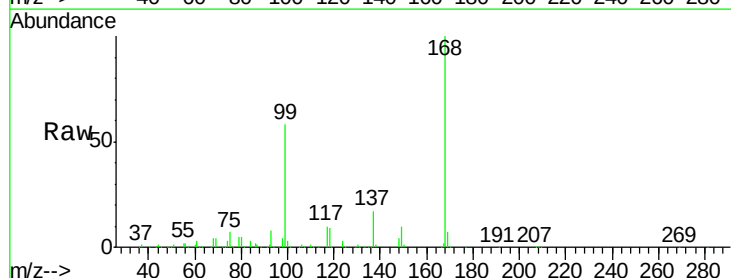
Tgt Ion: 117 Resp: 24566

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

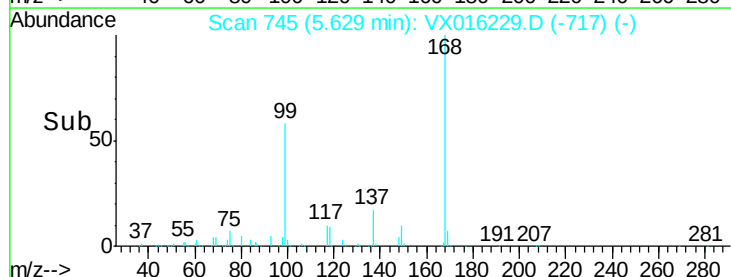
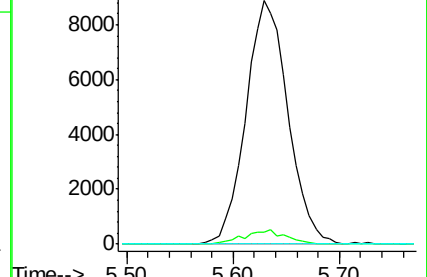
121 0.0 25.7 38.5#

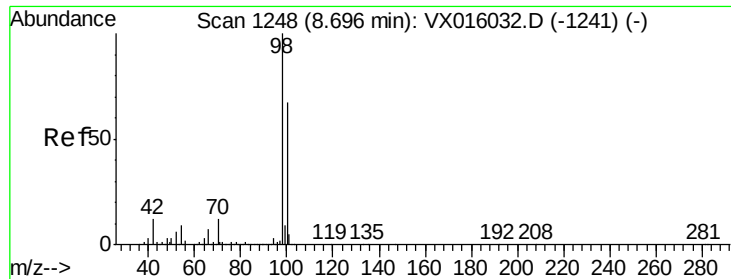


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.25 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

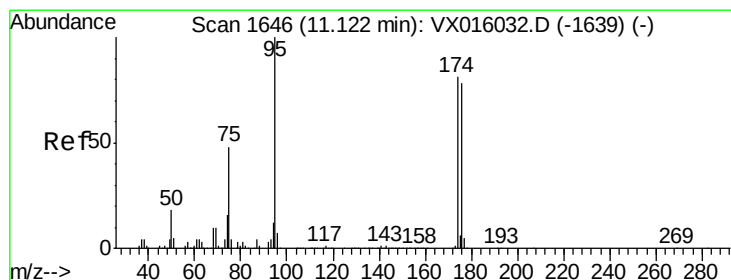
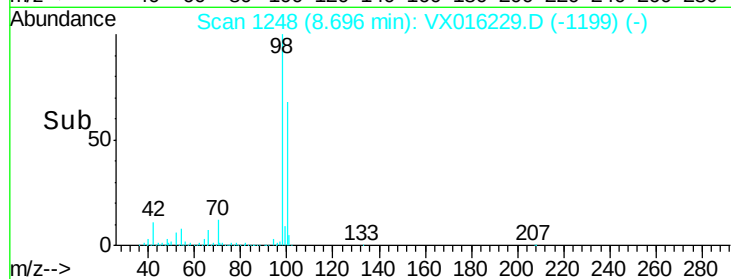
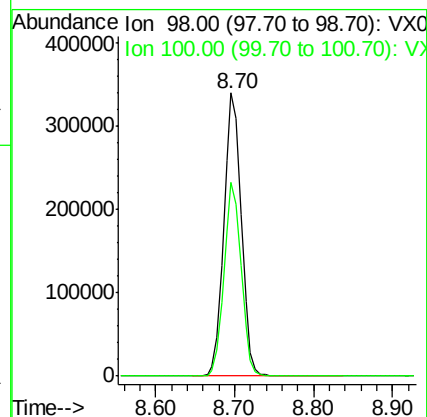
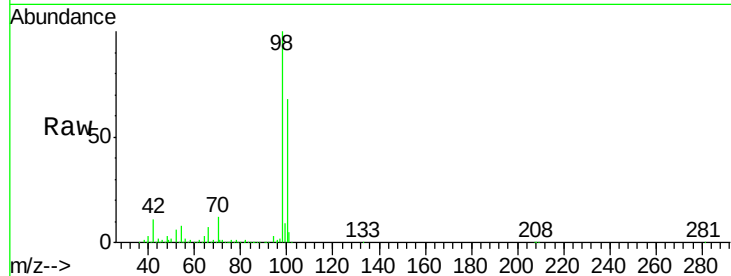
Z4-TB10-200513

Tgt Ion: 98 Resp: 525832

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 54.23 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

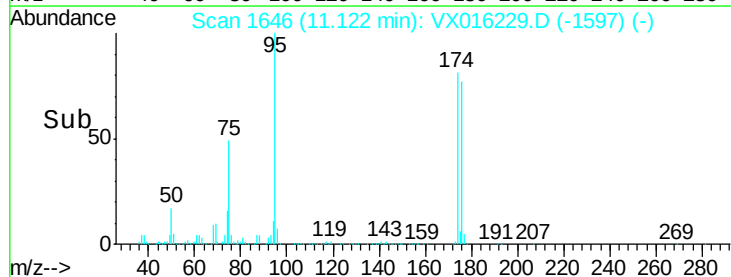
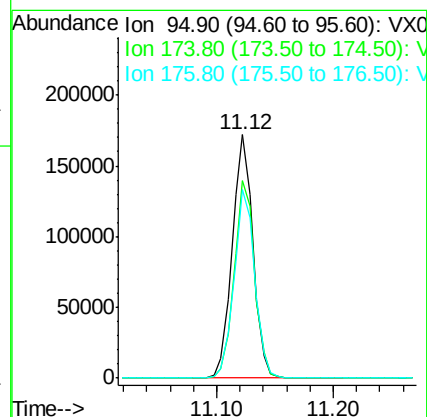
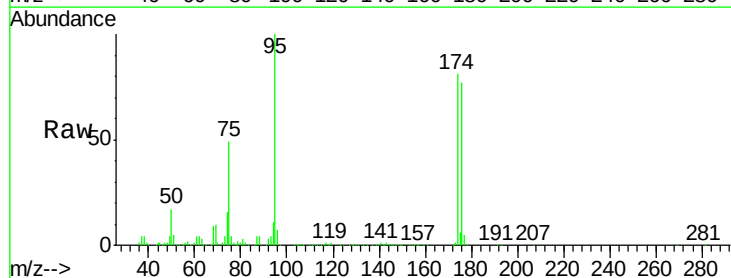
Tgt Ion: 95 Resp: 211645

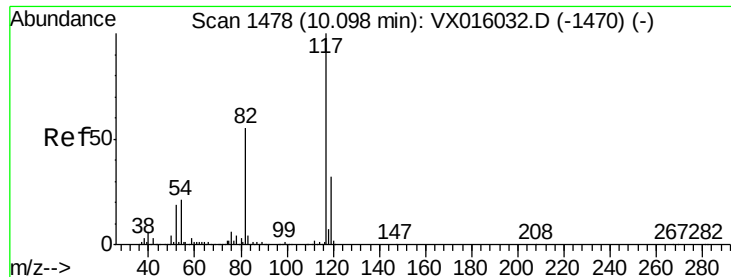
Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.4

176 77.5 0.0 157.6

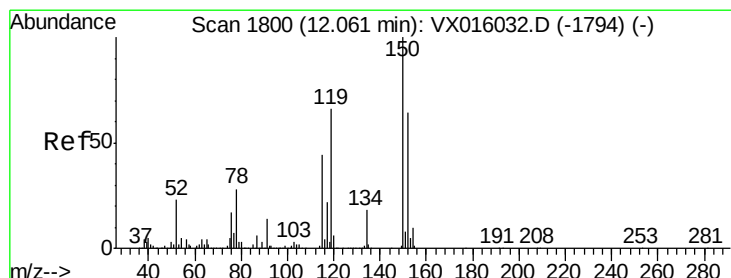
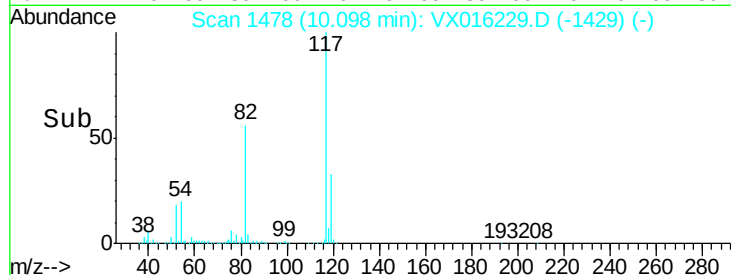
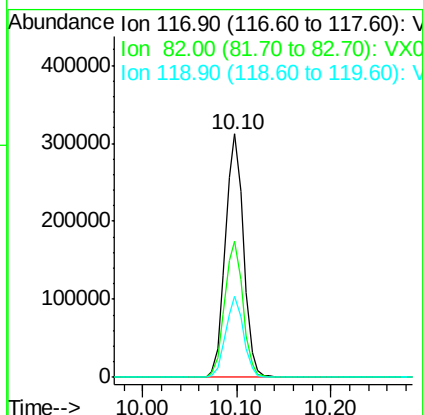
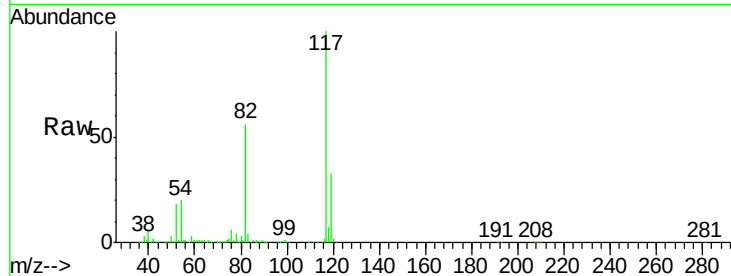




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016229.D
Acq: 14 May 2020 14:30

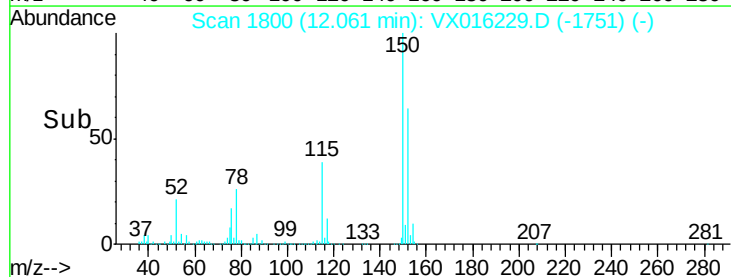
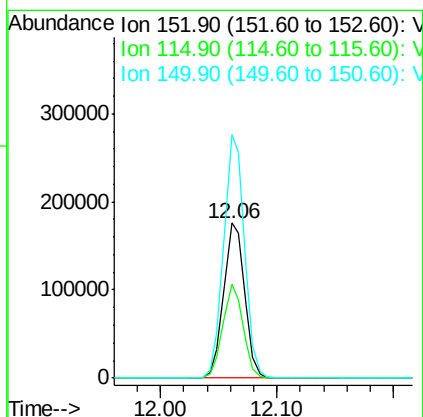
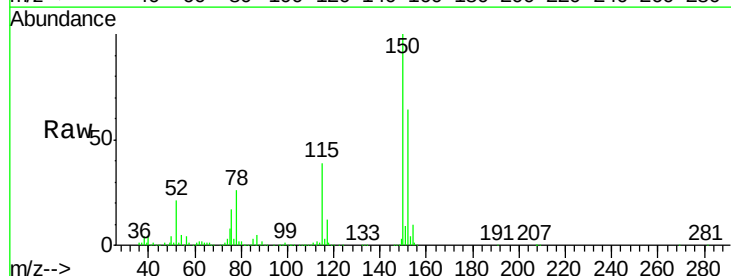
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB10-200513

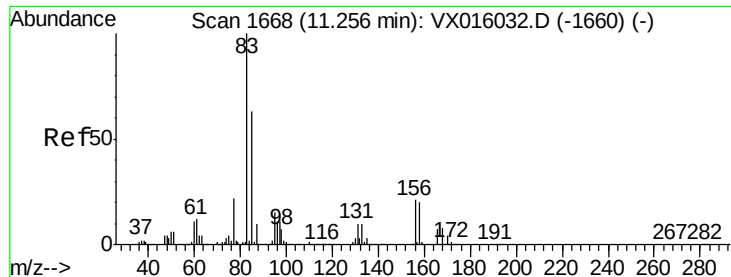
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.4	66.6
119	33.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016229.D
Acq: 14 May 2020 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	41.3	124.1
150	155.6	0.0	352.2





#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: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB10-200513

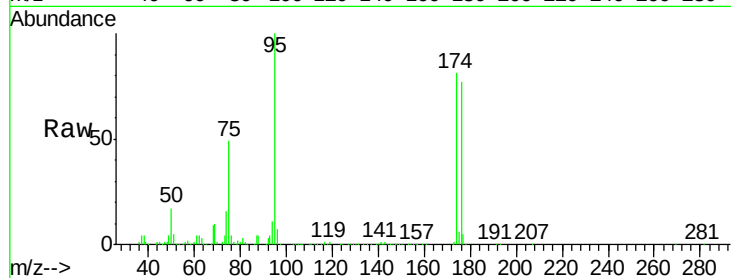
Tgt Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 245.0 5.1 15.4#

85 0.0 32.0 96.0#

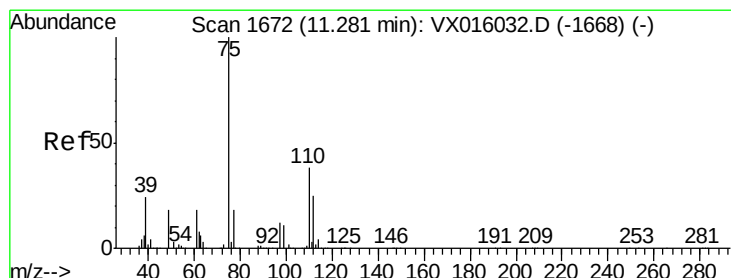
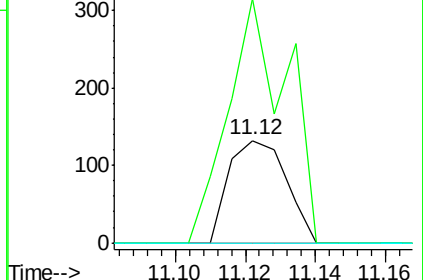
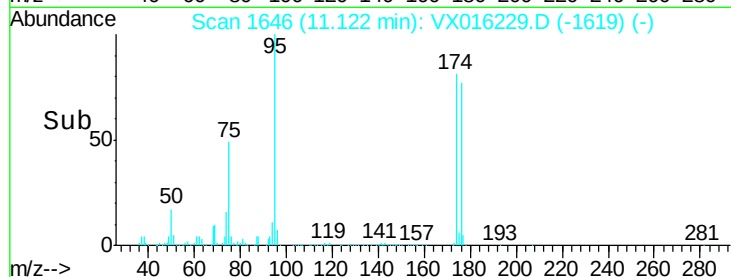


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.83 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016229.D

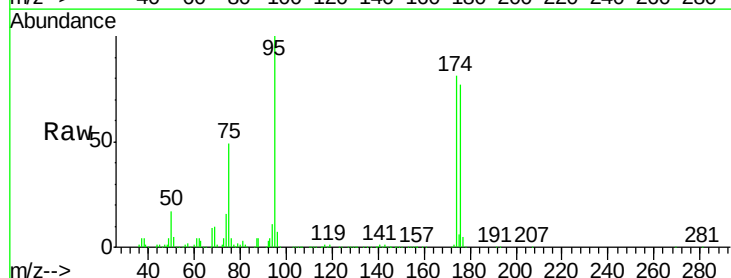
Acq: 14 May 2020 14:30

Tgt Ion: 75 Resp: 103048

Ion Ratio Lower Upper

75 100

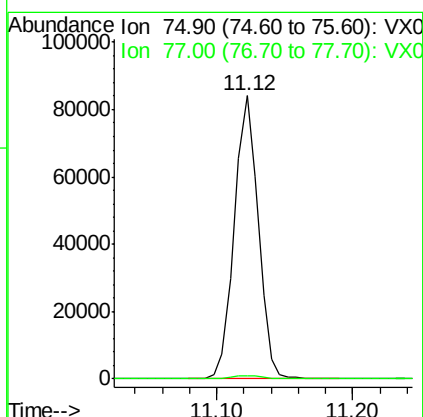
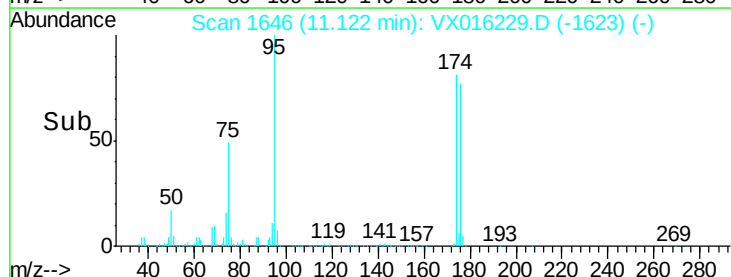
77 1.4 21.2 63.6#

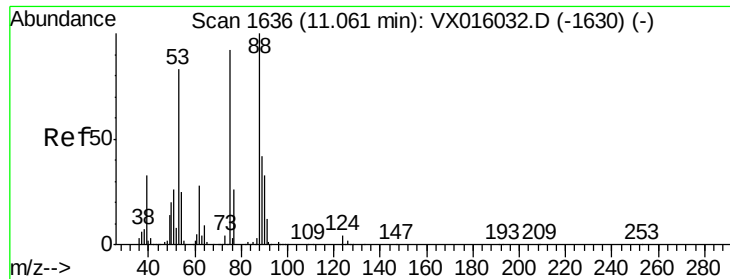


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.64 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB10-200513

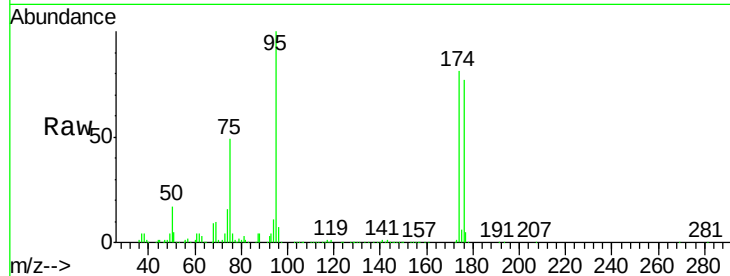
Tgt Ion: 75 Resp: 103048

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

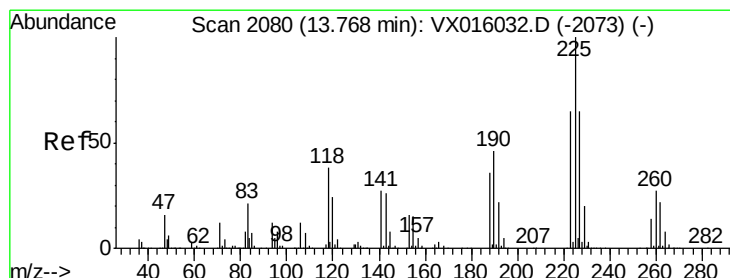
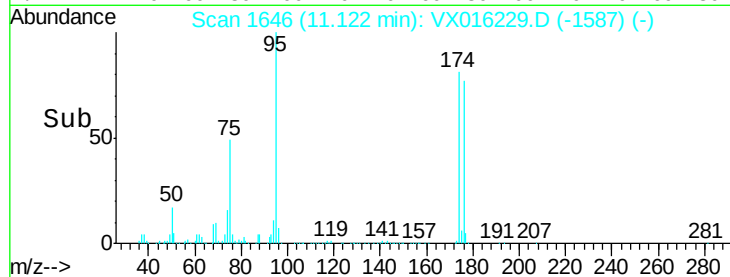
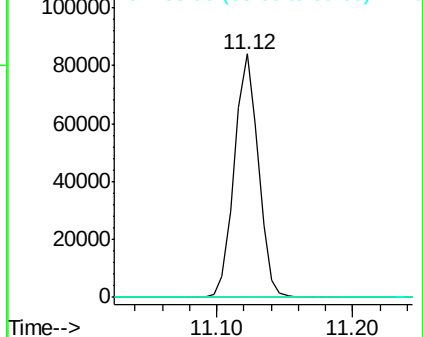
89 0.1 36.7 55.1#



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: 0.53 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016229.D

Acq: 14 May 2020 14:30

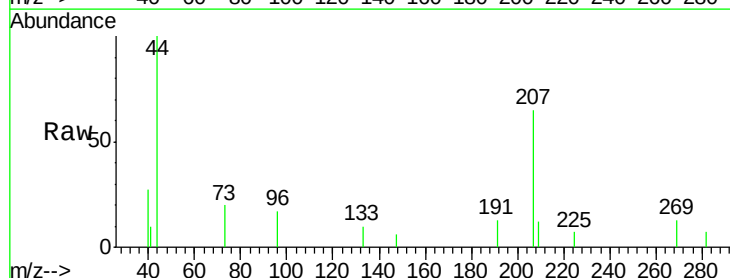
Tgt Ion: 225 Resp: 20

Ion Ratio Lower Upper

225 100

223 0.0 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

