

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016170.D
 Acq On : 13 May 2020 11:42
 Operator : JC/SP
 Sample : L2597-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB5-200511

Quant Time: May 14 04:25:20 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	287898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	479563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	174670	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	5.46	113	141772	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	8.70	98	588842	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.12	95	237367	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	

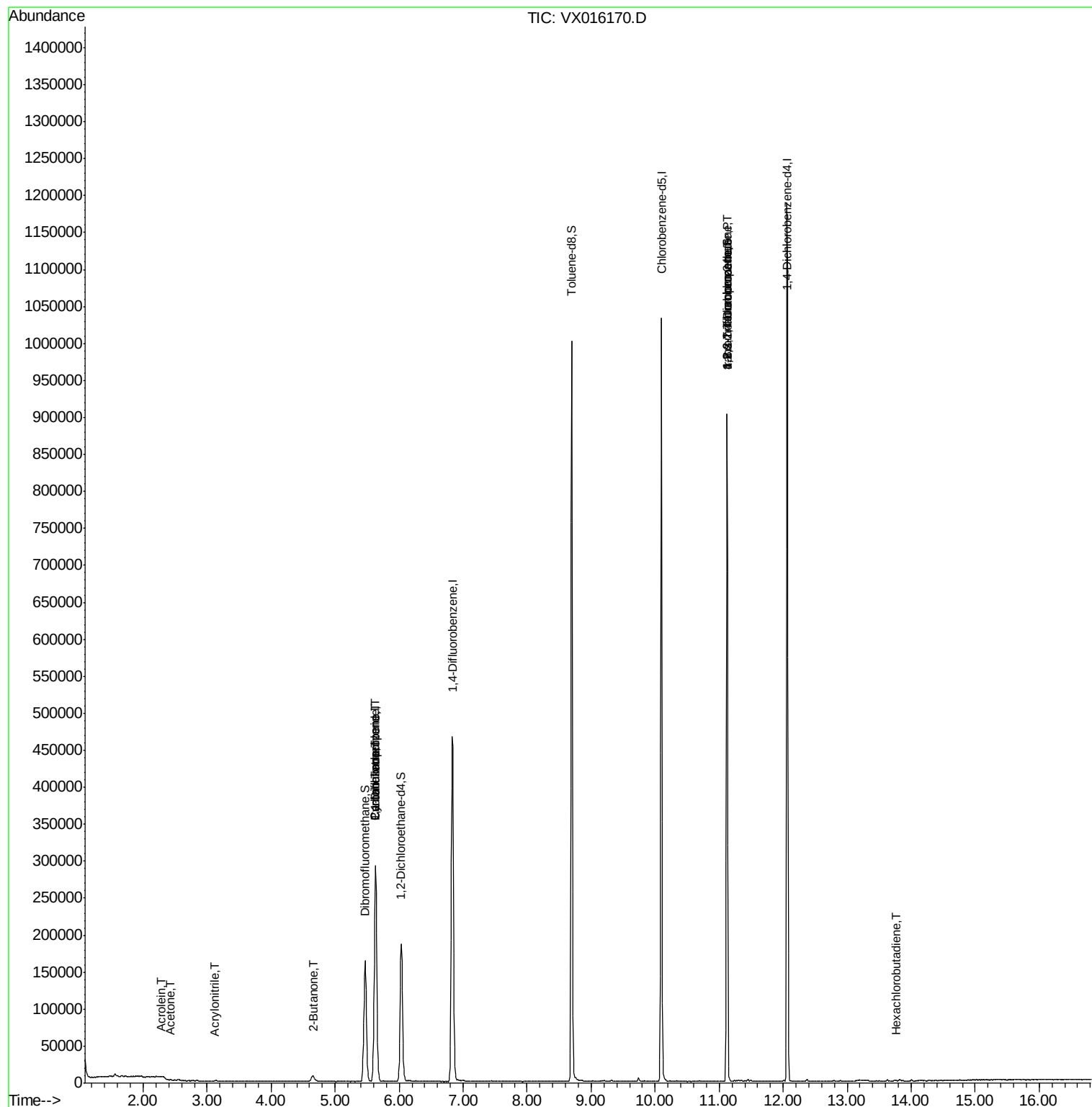
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.28	56	248	0.414	ug/l #	16
15) Acrylonitrile	3.11	53	446	0.224	ug/l #	81
16) Acetone	2.42	43	471	0.279	ug/l #	65
25) 2-Butanone	4.65	43	679	0.249	ug/l #	48
31) Cyclohexane	5.63	56	5631	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21534	4.562	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27442	5.719	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	176	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117636	21.062	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117636	50.193	ug/l #	13
94) Hexachlorobutadiene	13.77	225	240	0.617	ug/l	83

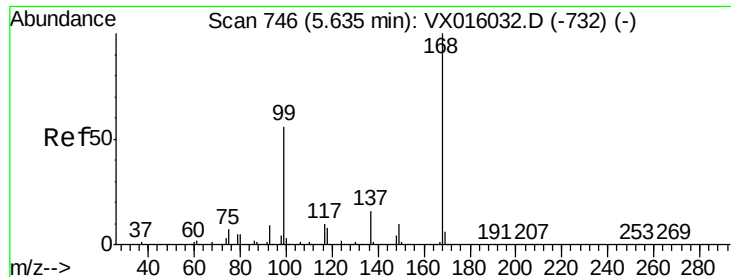
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051320\
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ClientSampled :
Z4-TB5-200511

Quant Time: May 14 04:25:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

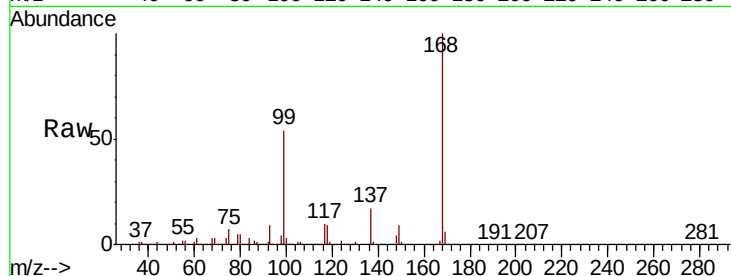
Z4-TB5-200511

Tot Ion:168 Resp: 287898

Ion Ratio Lower Upper

168 100

99 53.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

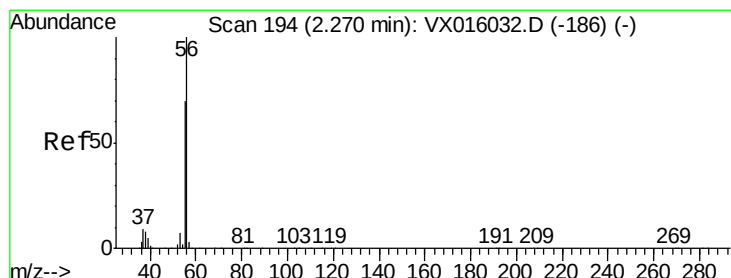
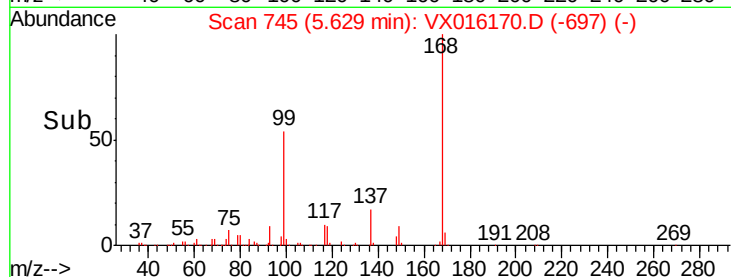
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.414 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016170.D

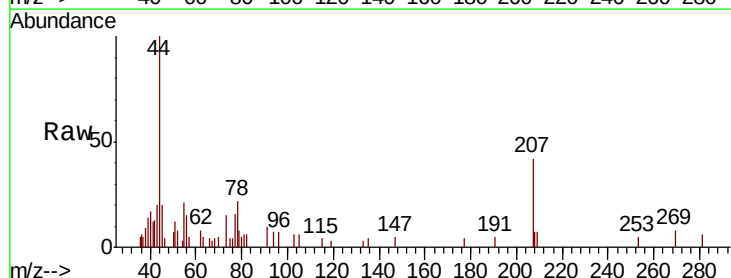
Acq: 13 May 2020 11:42

Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 139.9 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

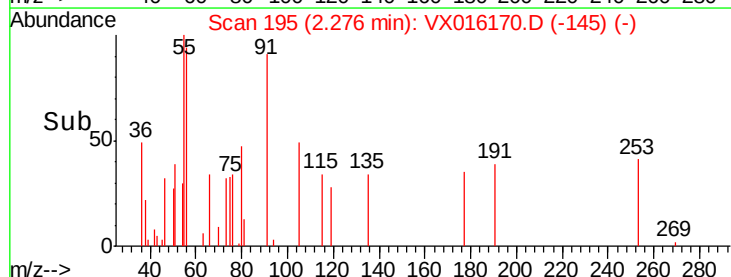
300

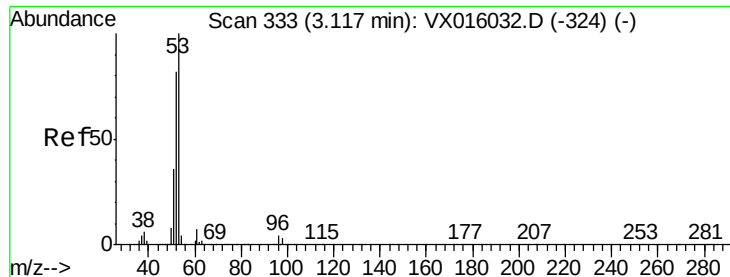
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.224 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

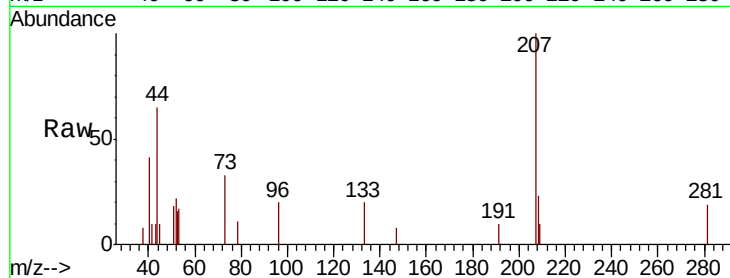
Tot Ion: 53 Resp: 446

Ion Ratio Lower Upper

53 100

52 93.7 66.1 99.1

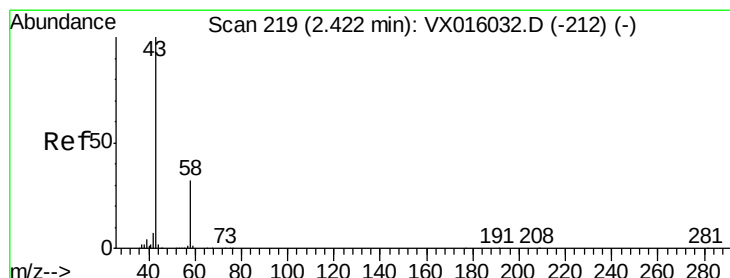
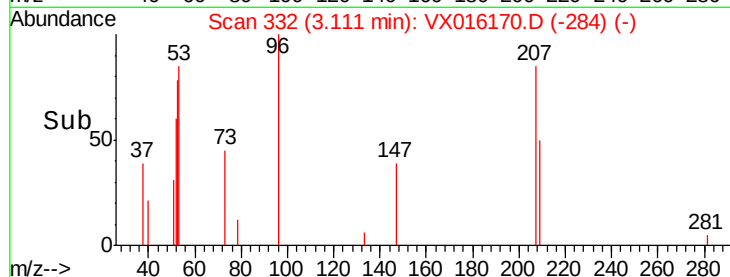
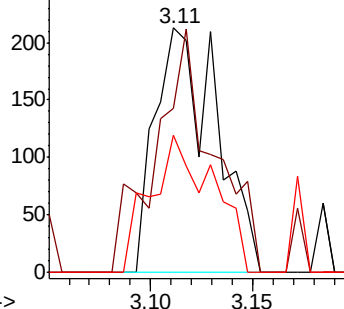
51 57.0 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.279 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016170.D

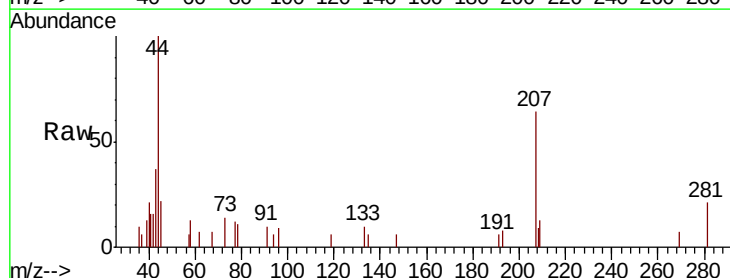
Acq: 13 May 2020 11:42

Tgt Ion: 43 Resp: 471

Ion Ratio Lower Upper

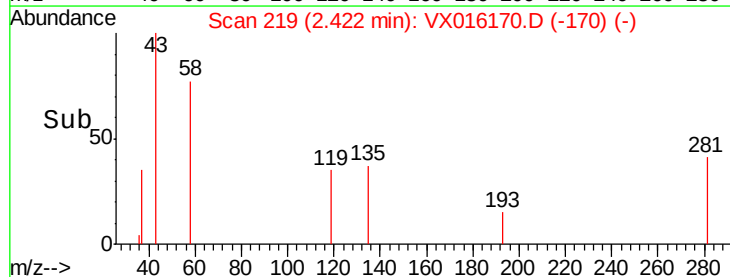
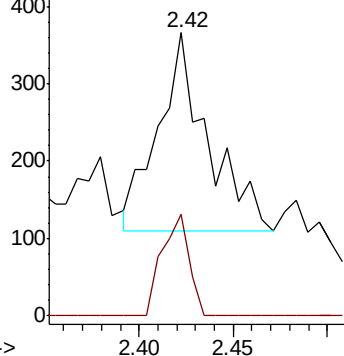
43 100

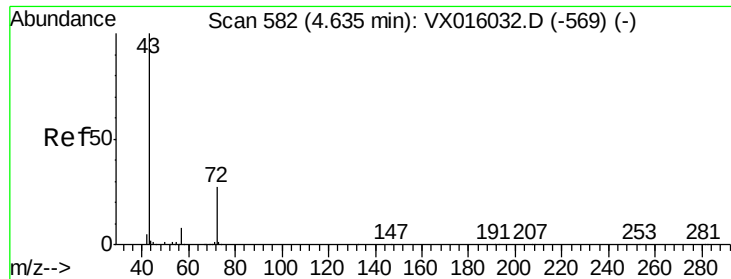
58 51.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

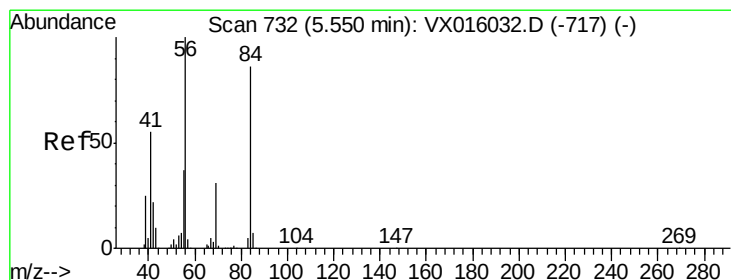
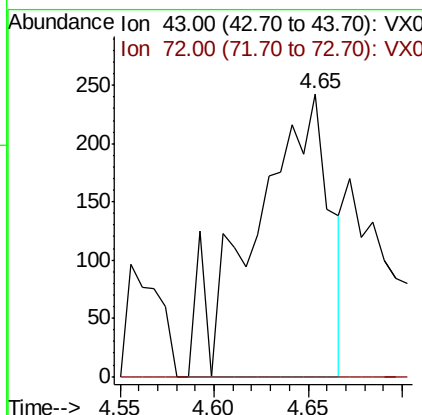
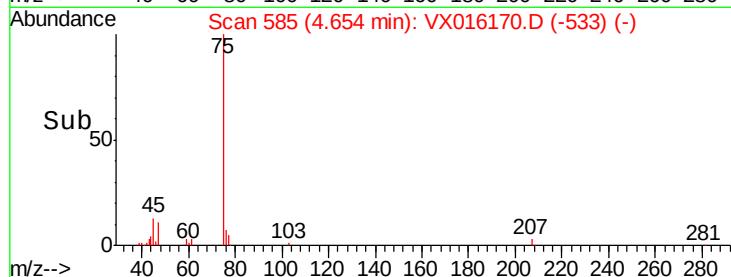
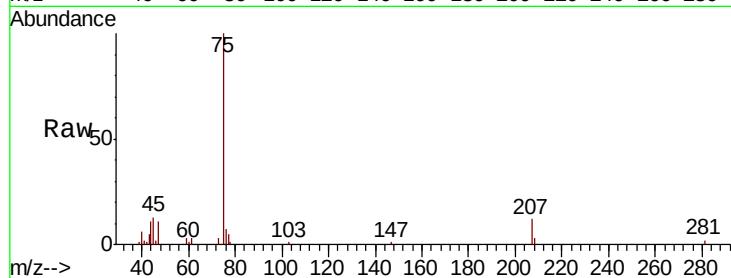




#25
2-Butanone
Concen: 0.249 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016170.D
Acq: 13 May 2020 11:42

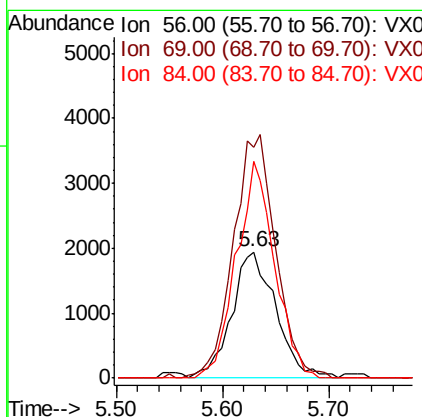
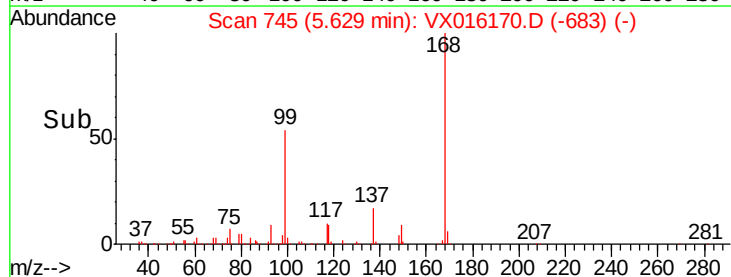
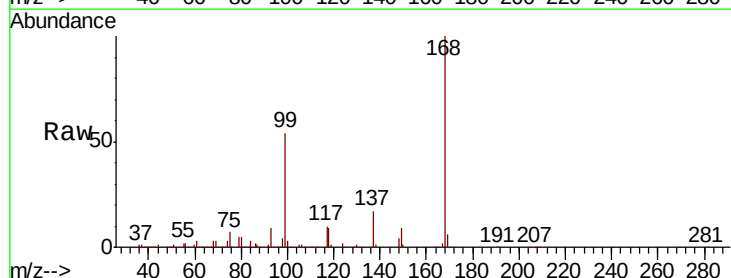
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB5-200511

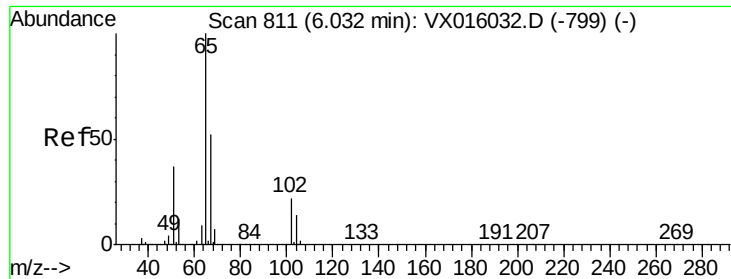
Tot Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016170.D
Acq: 13 May 2020 11:42

Tgt Ion: 56 Resp: 5631
Ion Ratio Lower Upper
56 100
69 182.4 25.0 37.6#
84 171.8 69.0 103.6#

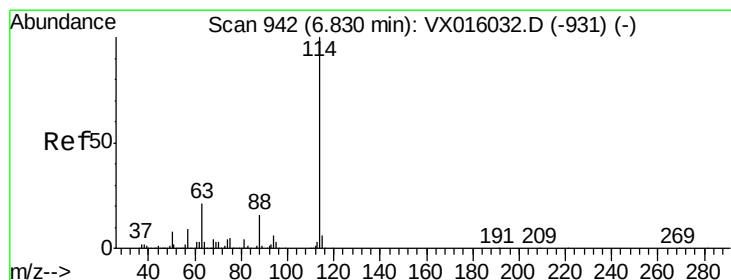
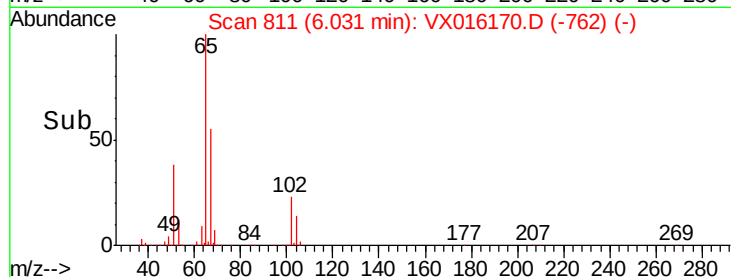
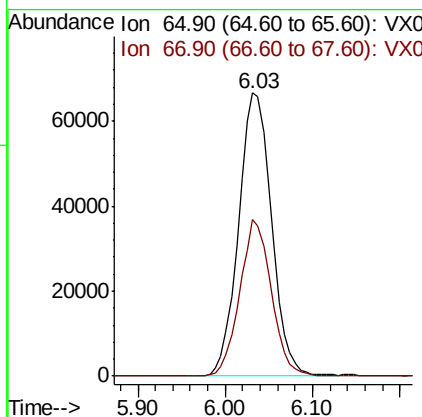
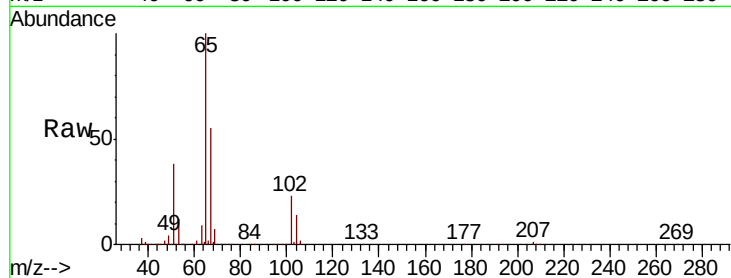




#33
 1,2-Dichloroethane-d4
 Concen: 46.106 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016170.D
 Acq: 13 May 2020 11:42

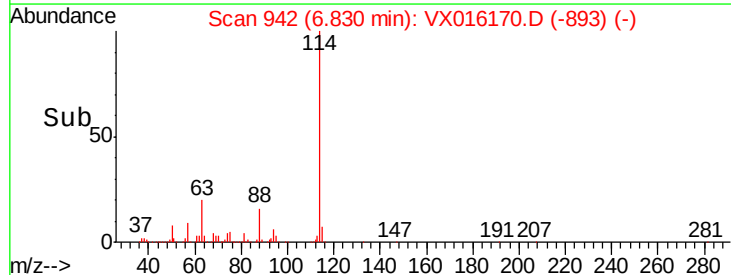
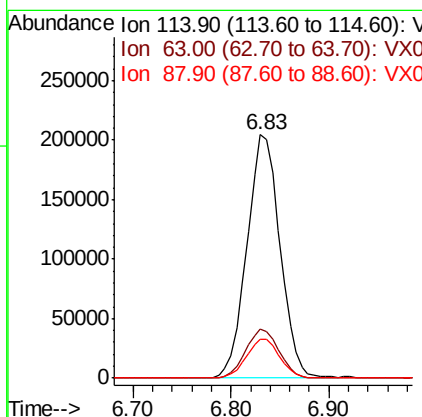
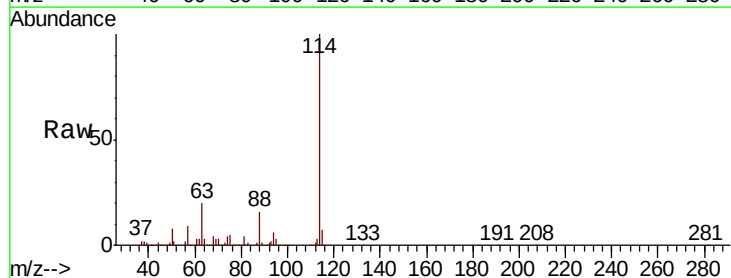
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB5-200511

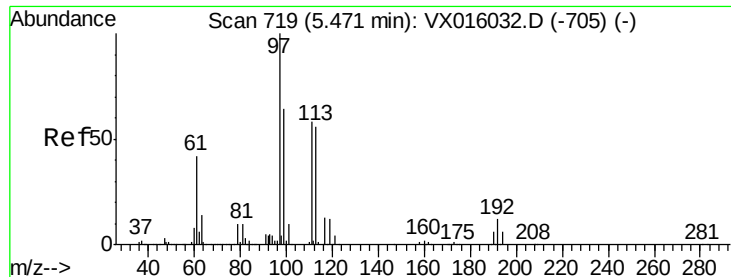
Tot Ion: 65 Resp: 174670
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016170.D
 Acq: 13 May 2020 11:42

Tgt Ion: 114 Resp: 479563
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.663 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

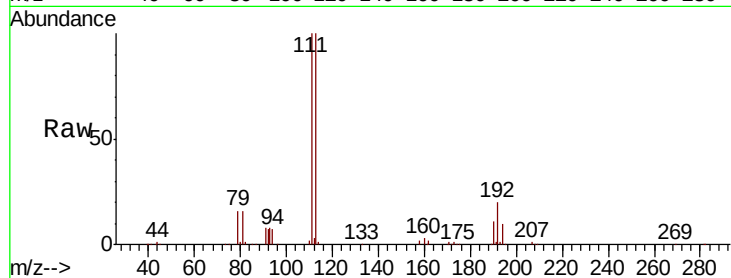
Tot Ion:113 Resp: 141772

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

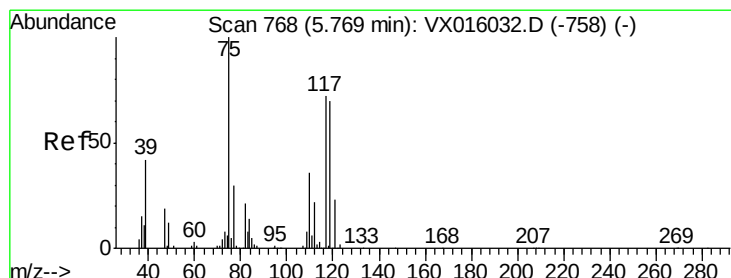
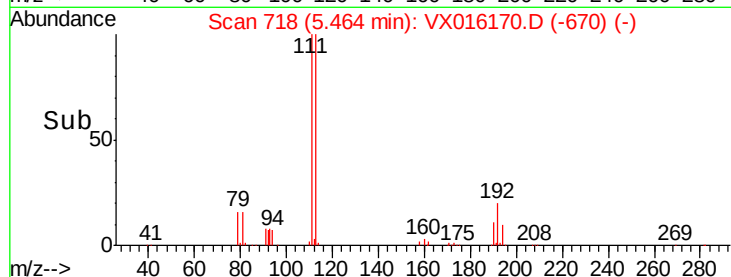
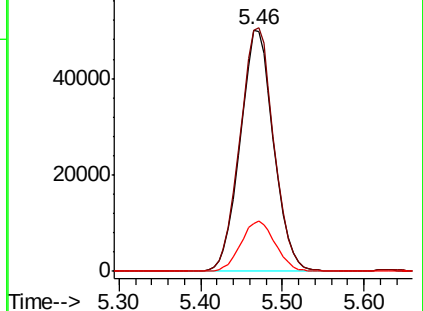
192 21.5 17.0 25.4



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: 4.562 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

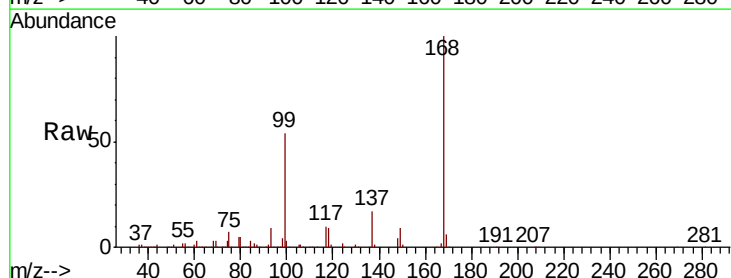
Tgt Ion: 75 Resp: 21534

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

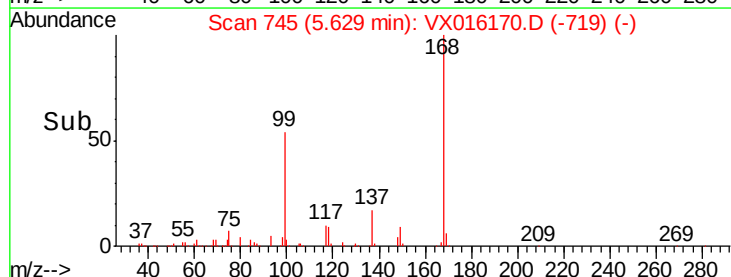
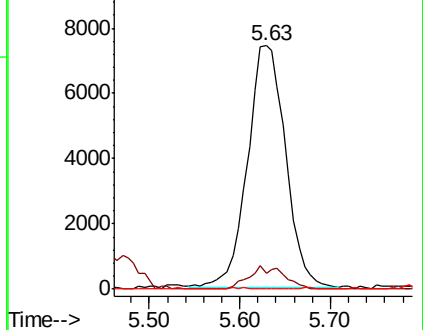
77 0.0 25.0 37.6#

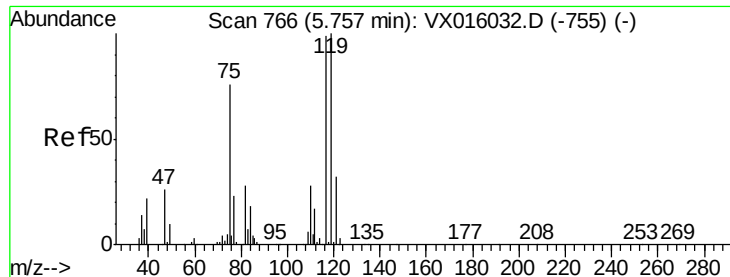


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.719 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

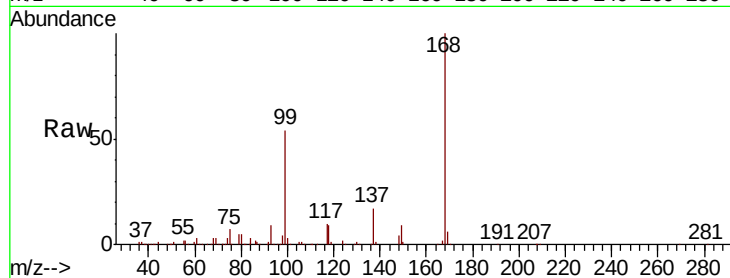
Tot Ion:117 Resp: 27442

Ion Ratio Lower Upper

117 100

119 6.6 80.3 120.5#

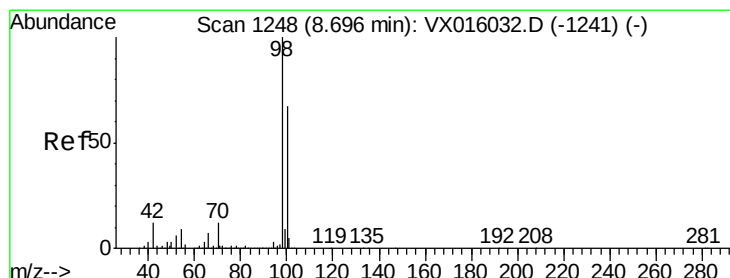
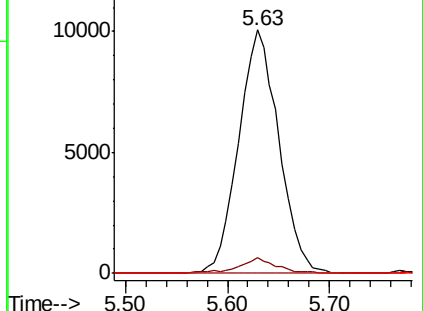
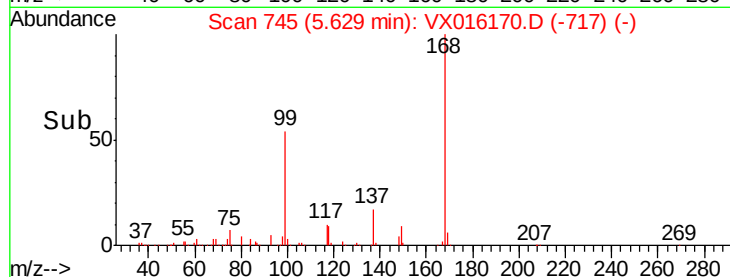
121 0.0 25.7 38.5#



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: 50.300 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016170.D

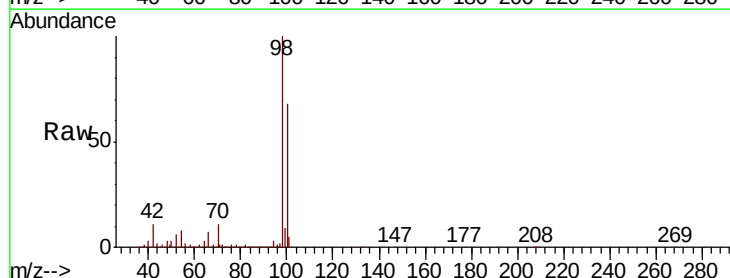
Acq: 13 May 2020 11:42

Tgt Ion: 98 Resp: 588842

Ion Ratio Lower Upper

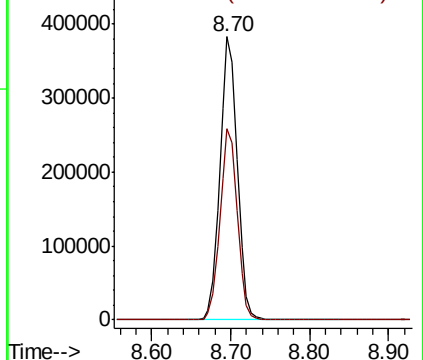
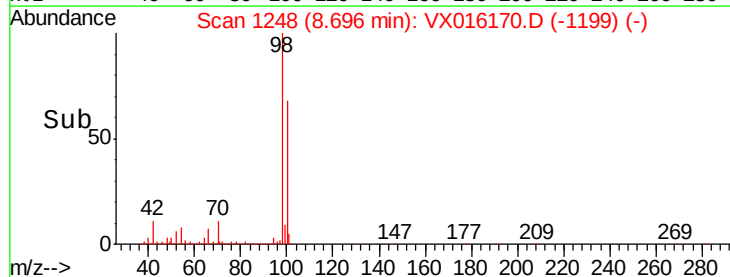
98 100

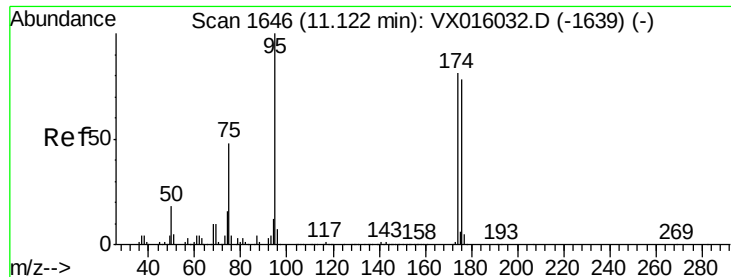
100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.310 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

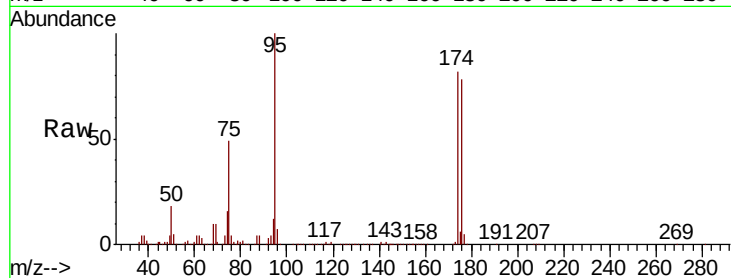
Tot Ion: 95 Resp: 237367

Ion Ratio Lower Upper

95 100

174 82.5 0.0 159.4

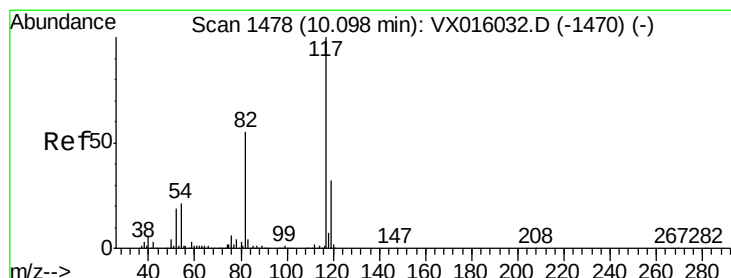
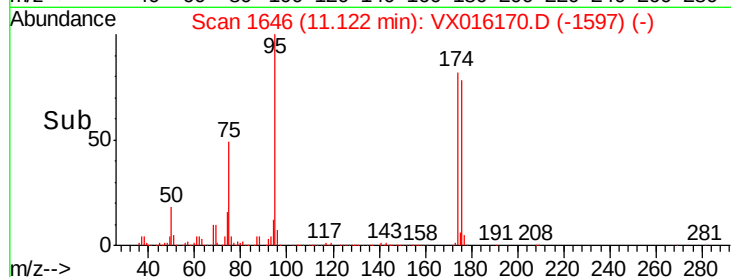
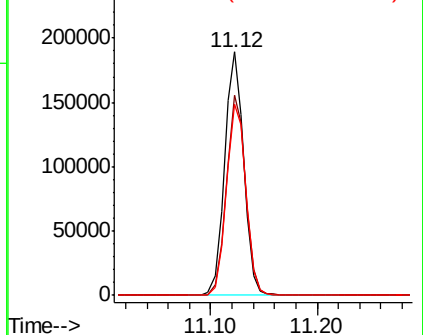
176 80.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016170.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016170.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016170.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

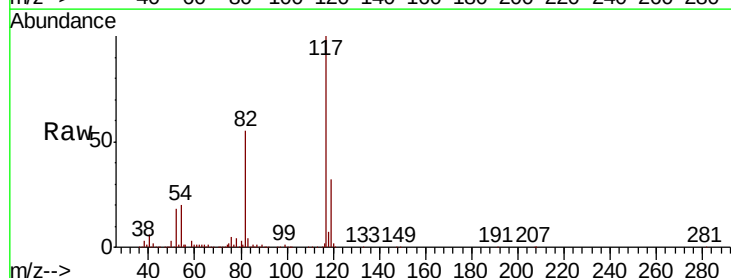
Tgt Ion: 117 Resp: 470724

Ion Ratio Lower Upper

117 100

82 55.2 44.4 66.6

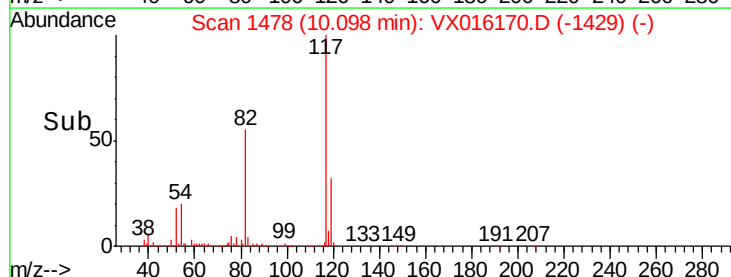
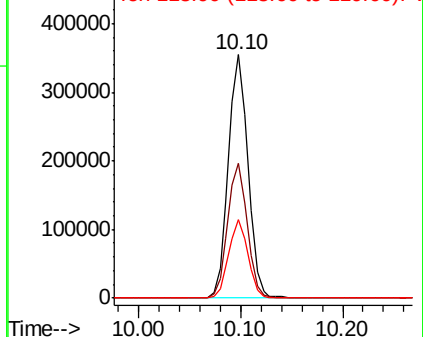
119 32.0 25.5 38.3

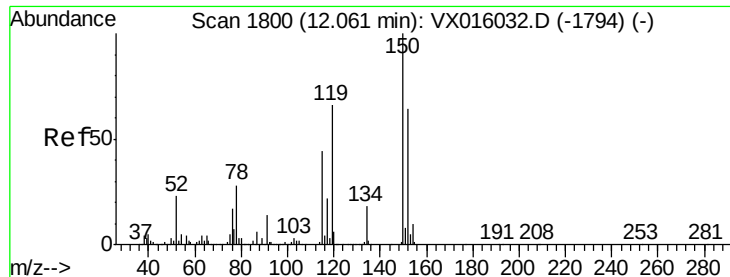


Abundance Ion 116.90 (116.60 to 117.60): VX016170.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016170.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016170.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: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

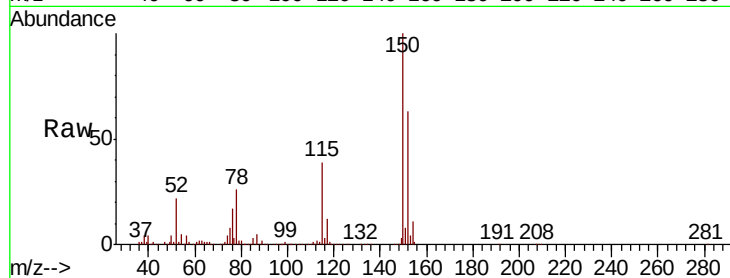
Tot Ion:152 Resp: 246123

Ion Ratio Lower Upper

152 100

115 59.2 41.3 124.1

150 159.0 0.0 352.2

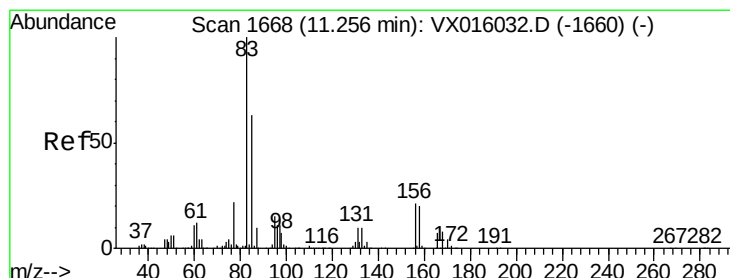
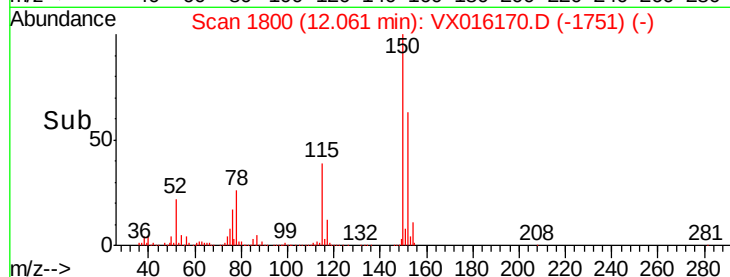
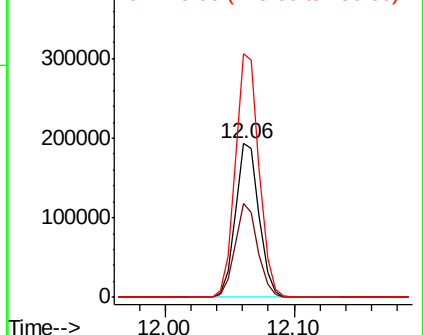


Abundance

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: 2.102 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

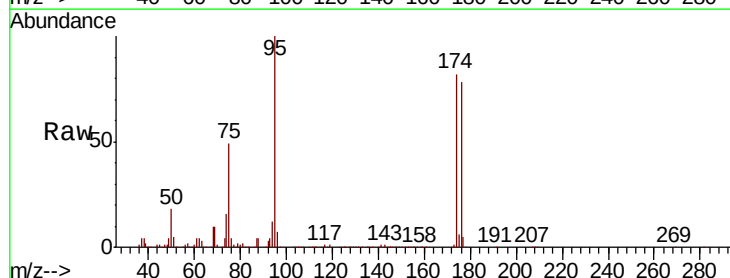
Tgt Ion: 83 Resp: 176

Ion Ratio Lower Upper

83 100

131 199.4 5.1 15.4#

85 0.0 32.0 96.0#

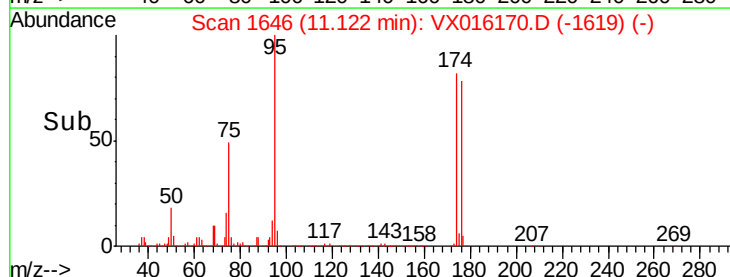
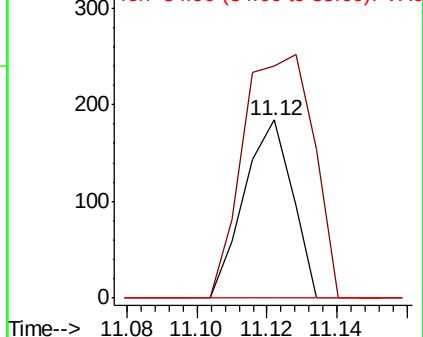


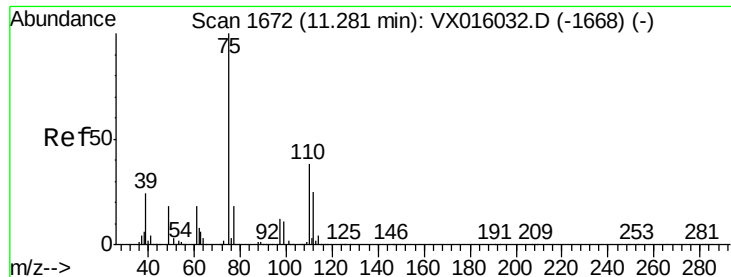
Abundance

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: 21.062 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

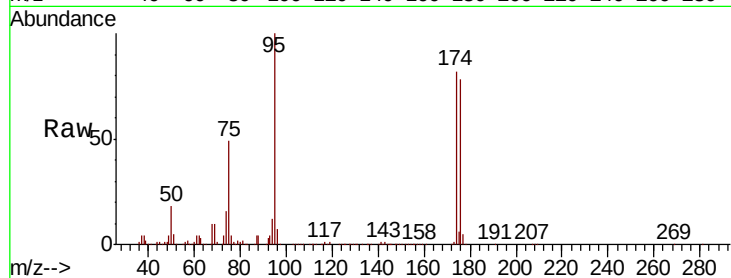
Z4-TB5-200511

Tot Ion: 75 Resp: 117636

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

11.12

100000

80000

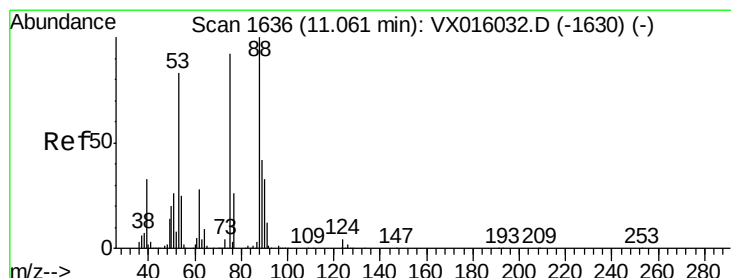
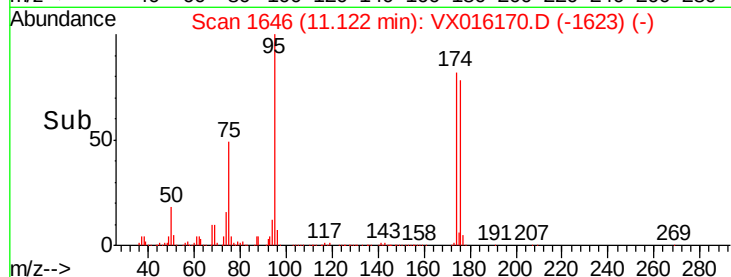
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.193 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

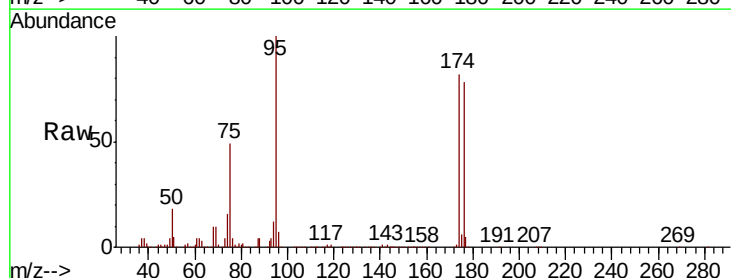
Tgt Ion: 75 Resp: 117636

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

11.12

120000

100000

80000

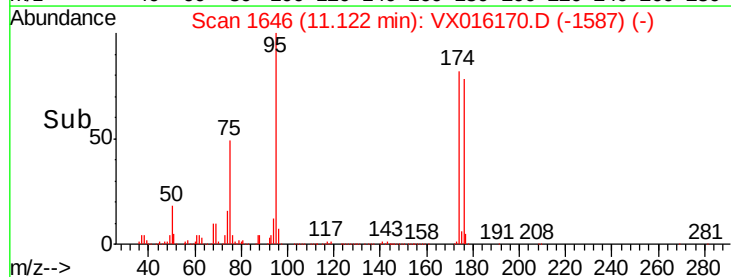
60000

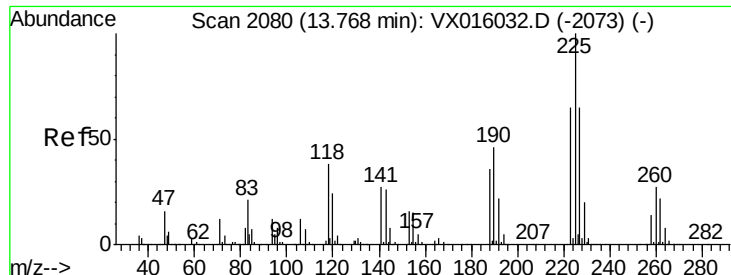
40000

20000

0

Time-->





#94

Hexachlorobutadiene

Concen: 0.617 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016170.D

Acq: 13 May 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB5-200511

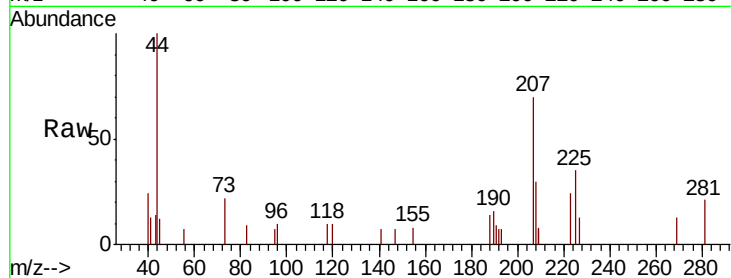
Tot Ion:225 Resp: 240

Ion Ratio Lower Upper

225 100

223 84.2 32.3 96.9

227 56.7 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

