

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016171.D
 Acq On : 13 May 2020 12:05
 Operator : JC/SP
 Sample : L2597-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB6-200511

Quant Time: May 14 04:25:41 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	298679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	487108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242496	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	180775	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
35) Dibromofluoromethane	5.47	113	146150	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	8.70	98	601281	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.12	95	238700	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	

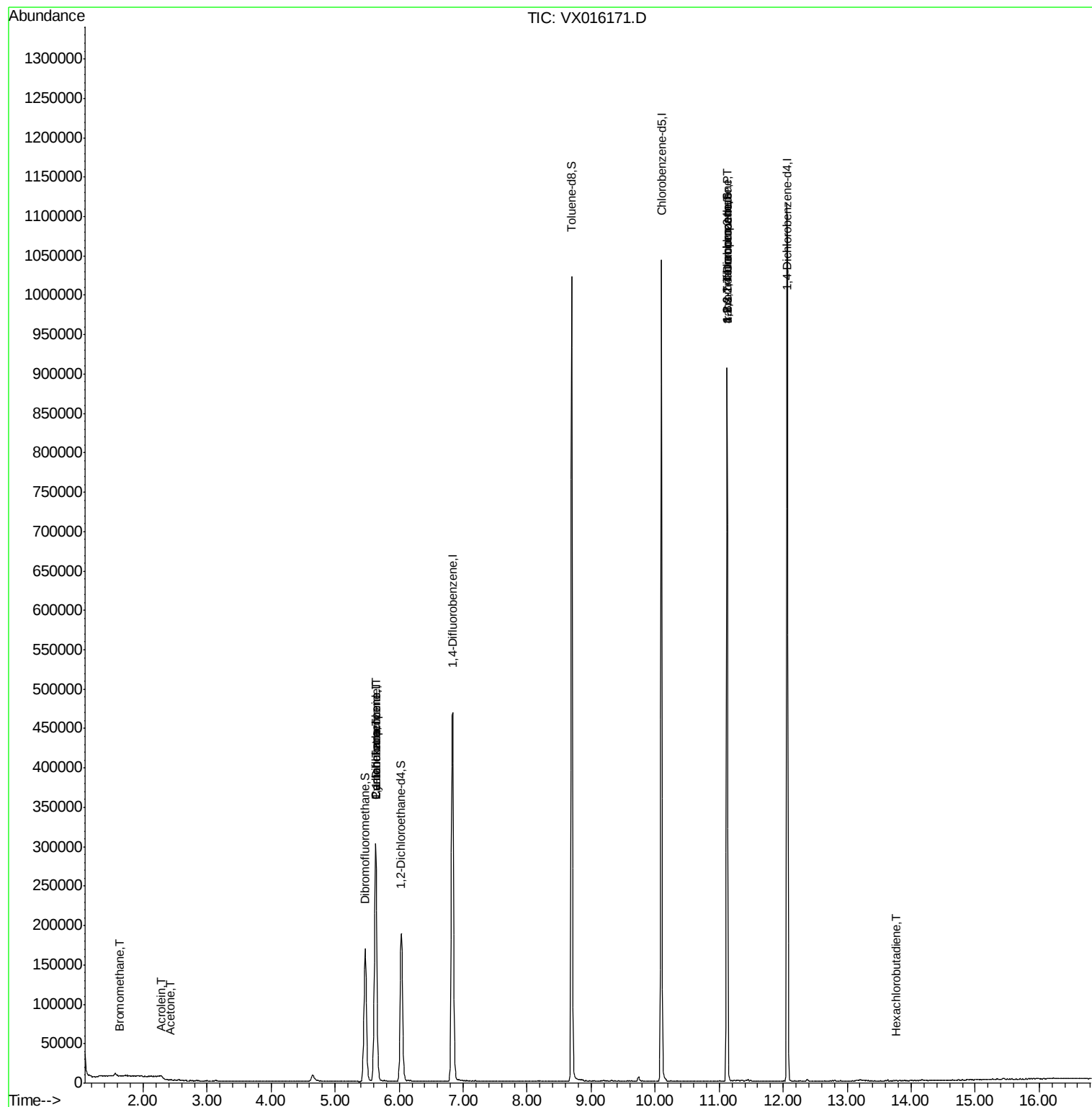
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	412	0.209	ug/l #	74
13) Acrolein	2.27	56	646	1.039	ug/l	86
16) Acetone	2.42	43	552	0.315	ug/l	89
17) Carbon Disulfide	2.55	76	1774	Below Cal	#	82
31) Cyclohexane	5.63	56	5608	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22080	4.605	ug/l #	49
38) Carbon Tetrachloride	5.64	117	28121	5.770	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.12	83	155	2.096	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	118321	21.502	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	118321	51.241	ug/l #	13
94) Hexachlorobutadiene	13.76	225	149	0.582	ug/l	85

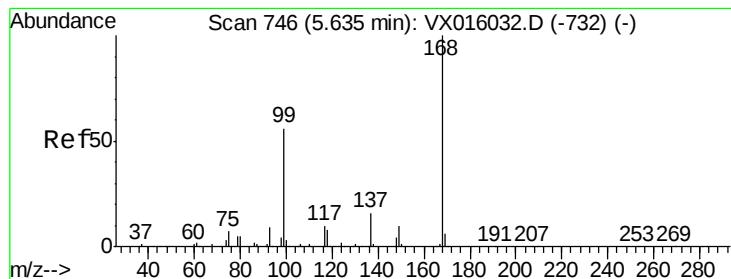
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 13 May 2020 12:05
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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

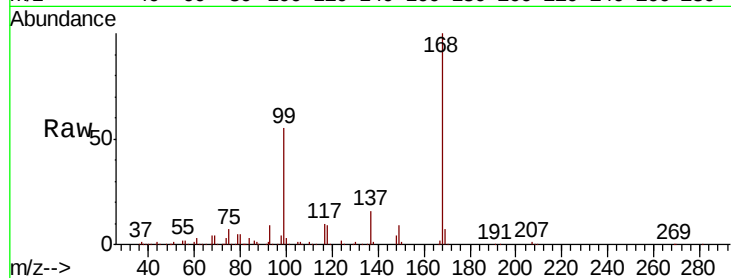
Z4-TB6-200511

Tot Ion:168 Resp: 298679

Ion Ratio Lower Upper

168 100

99 55.3 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

120000

100000

80000

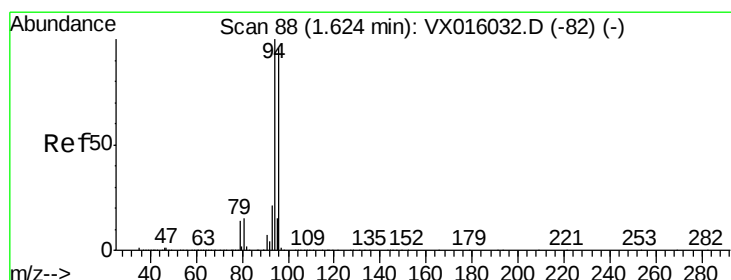
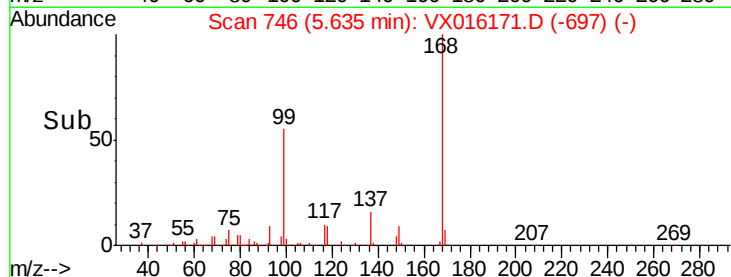
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016171.D

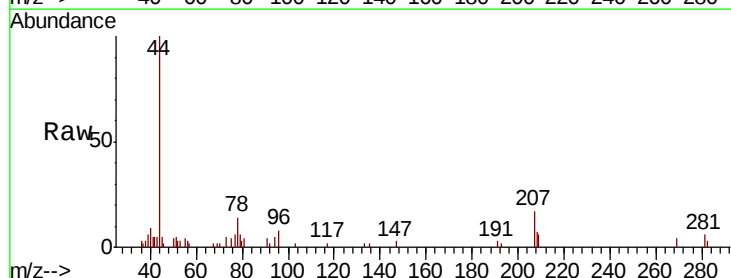
Acq: 13 May 2020 12:05

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 121.6 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

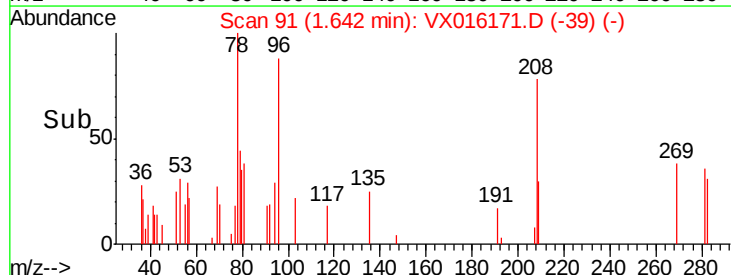
150

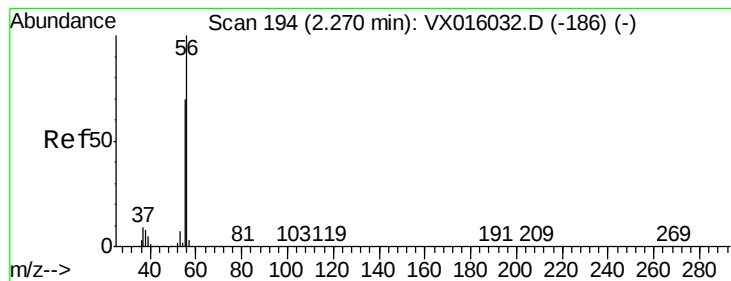
100

50

0

Time-->





#13

Acrolein

Concen: 1.039 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

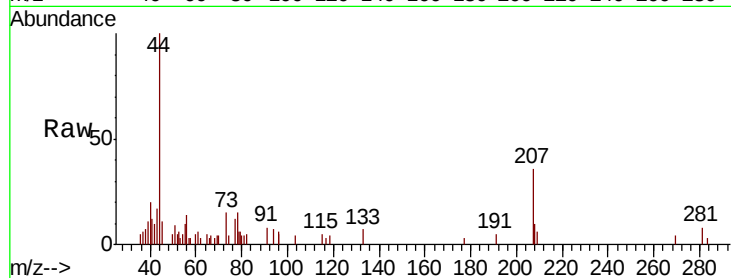
Z4-TB6-200511

Tot Ion: 56 Resp: 646

Ion Ratio Lower Upper

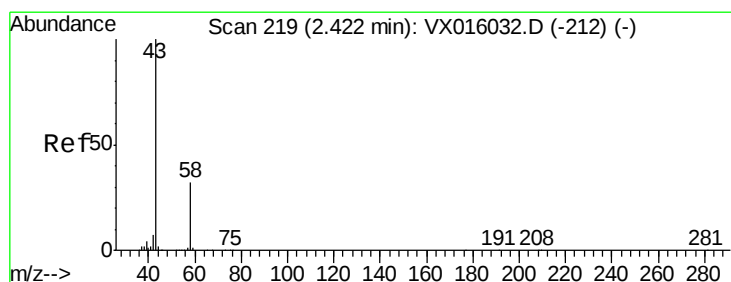
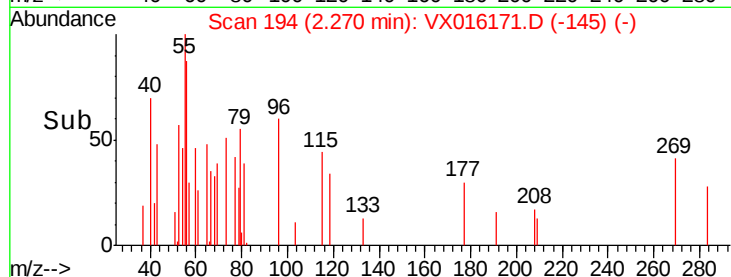
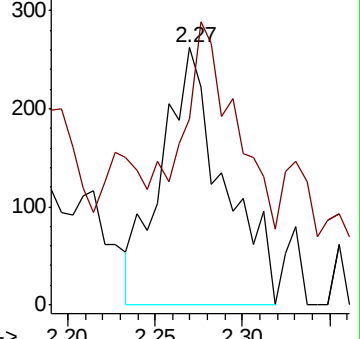
56 100

55 59.4 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.315 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016171.D

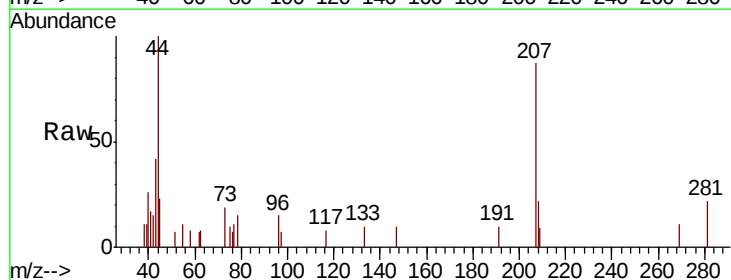
Acq: 13 May 2020 12:05

Tgt Ion: 43 Resp: 552

Ion Ratio Lower Upper

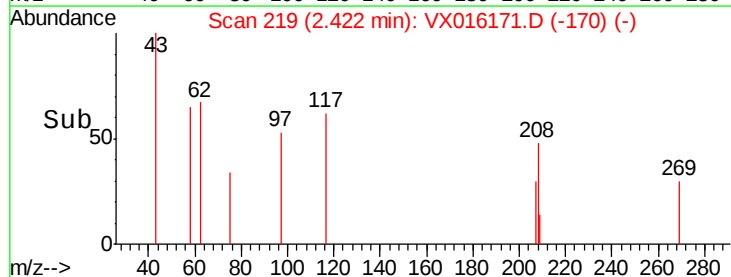
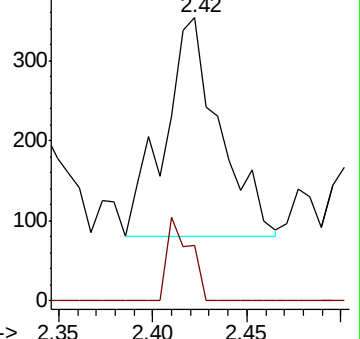
43 100

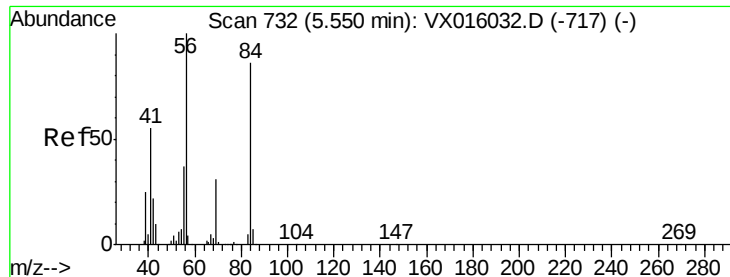
58 25.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

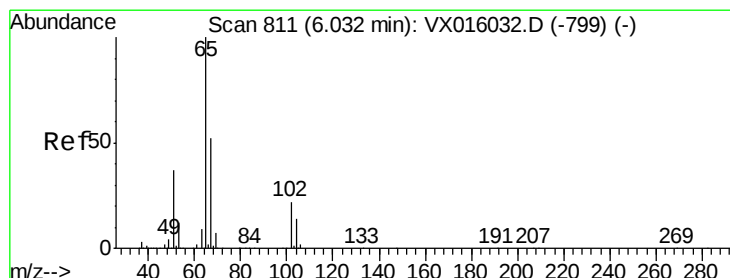
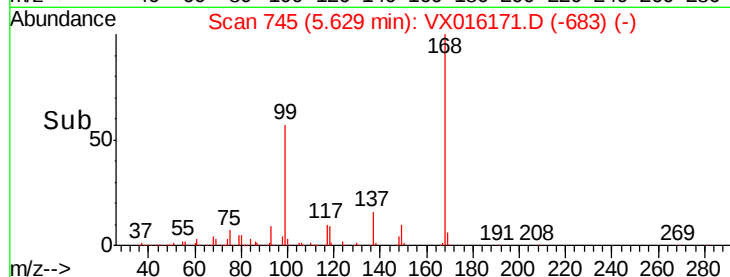
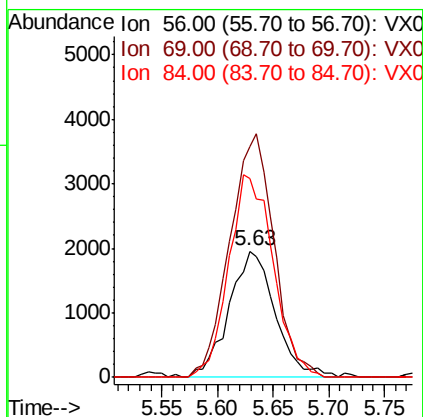
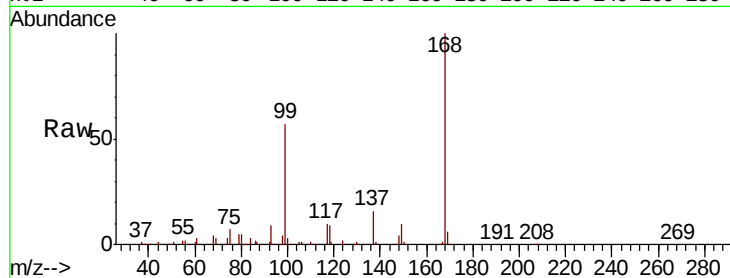




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

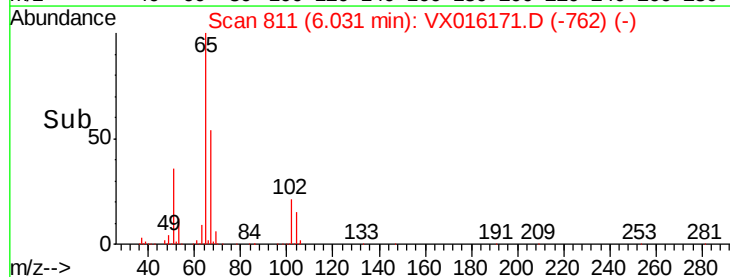
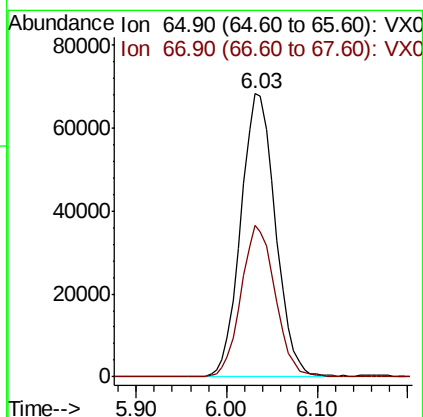
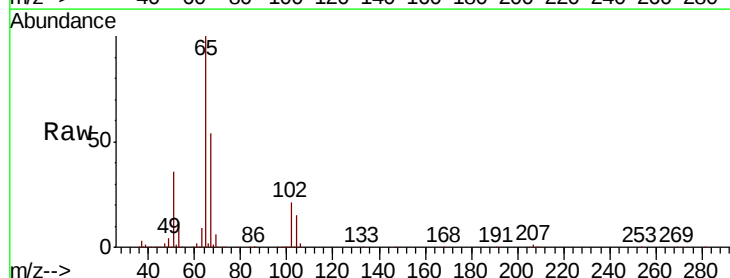
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB6-200511

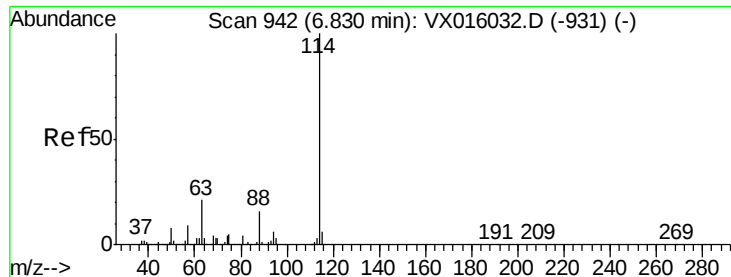
Tot Ion: 56 Resp: 5608
Ion Ratio Lower Upper
56 100
69 183.6 25.0 37.6#
84 157.9 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 45.995 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

Tgt Ion: 65 Resp: 180775
Ion Ratio Lower Upper
65 100
67 52.6 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: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB6-200511

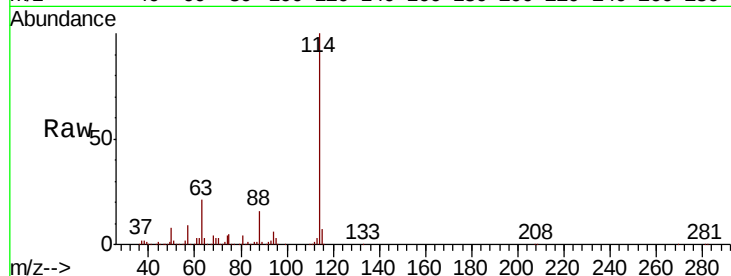
Tot Ion:114 Resp: 487108

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

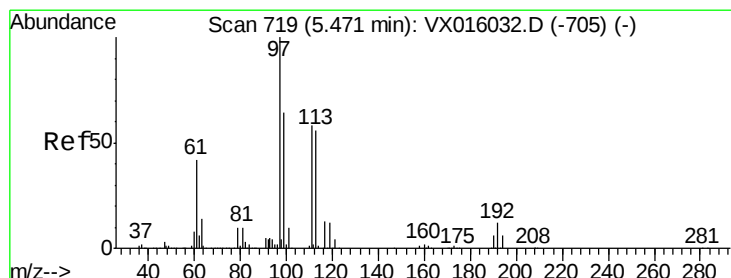
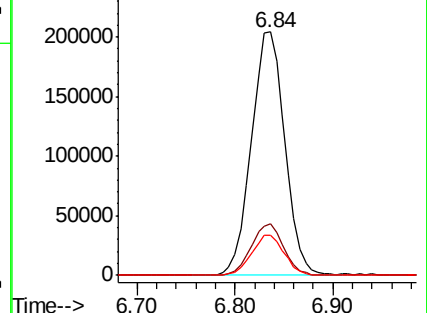
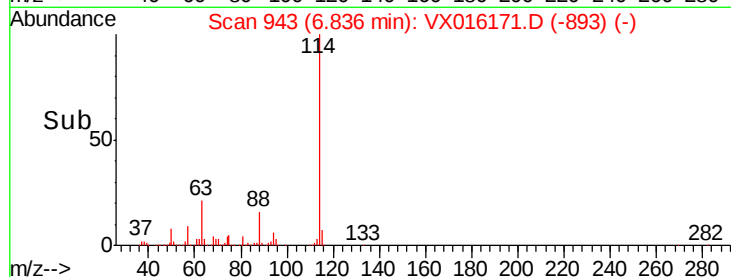
88 16.5 0.0 31.4



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: 47.358 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

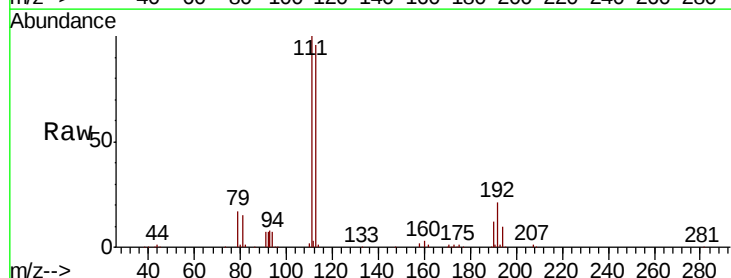
Tgt Ion:113 Resp: 146150

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

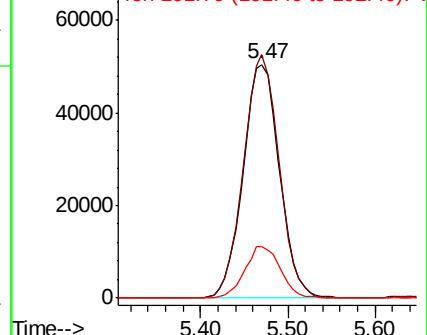
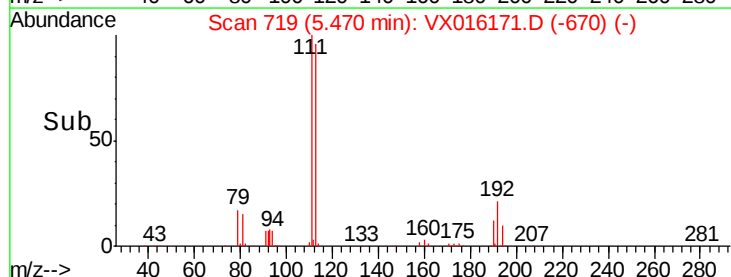
192 21.7 17.0 25.4

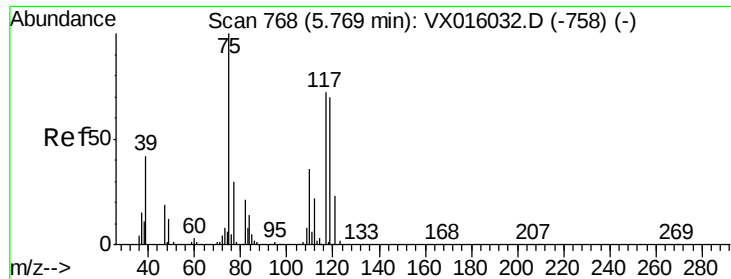


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.605 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB6-200511

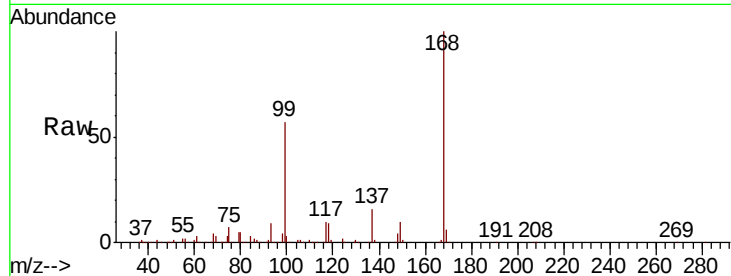
Tot Ion: 75 Resp: 22080

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

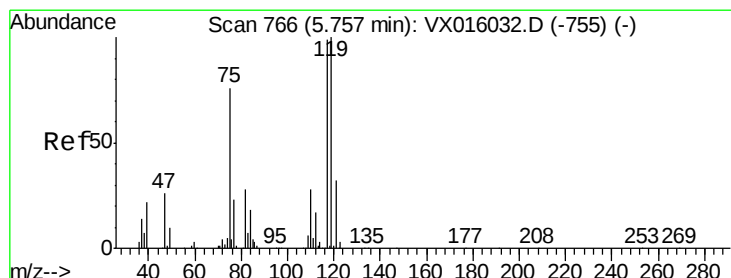
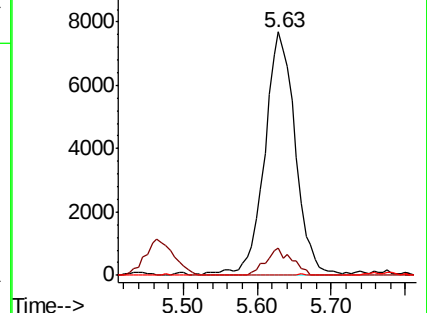
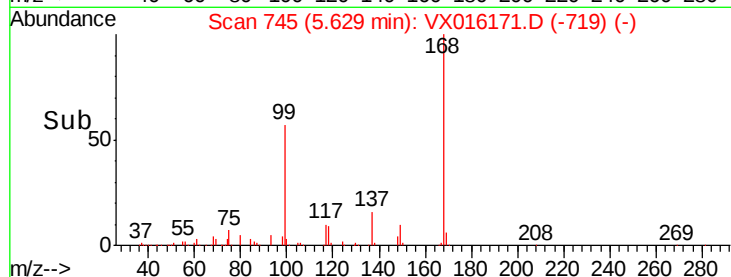
77 0.0 25.0 37.6#



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: 5.770 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

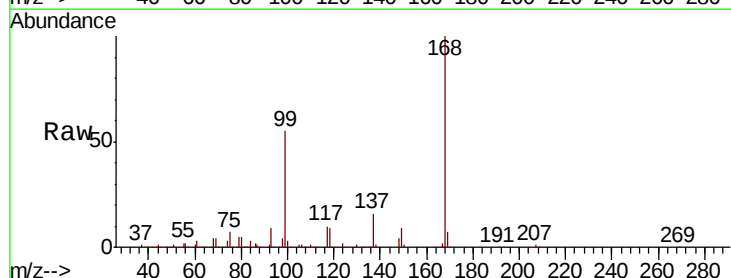
Tgt Ion: 117 Resp: 28121

Ion Ratio Lower Upper

117 100

119 4.1 80.3 120.5#

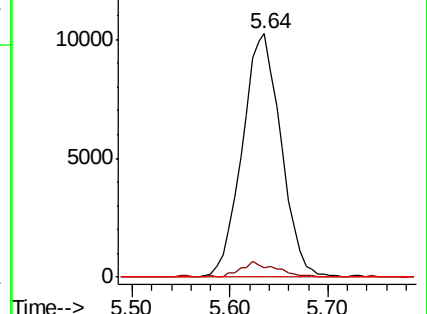
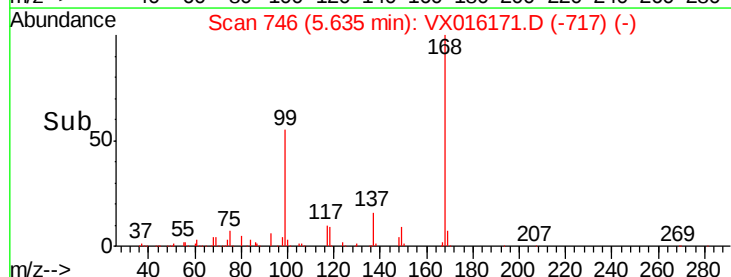
121 0.0 25.7 38.5#

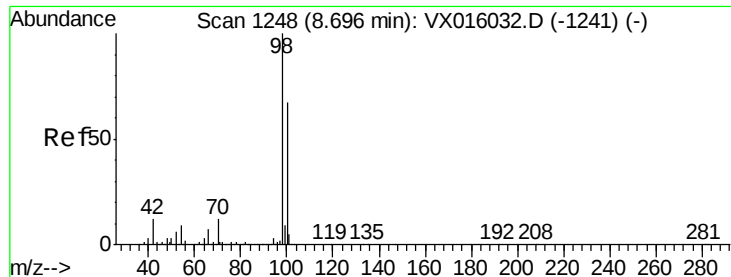


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

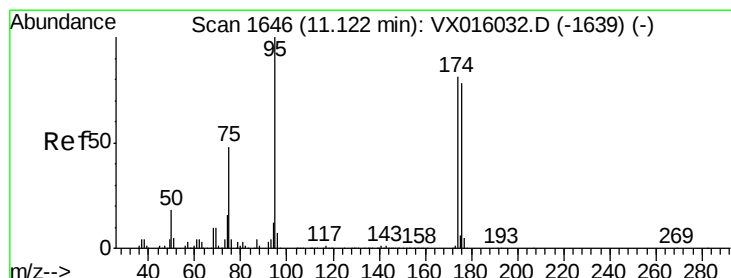
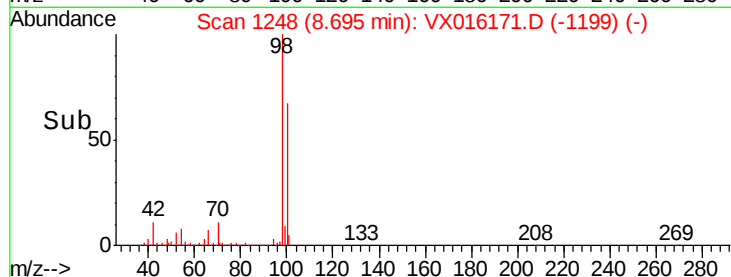
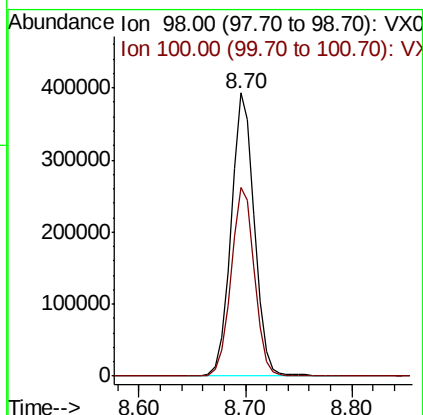
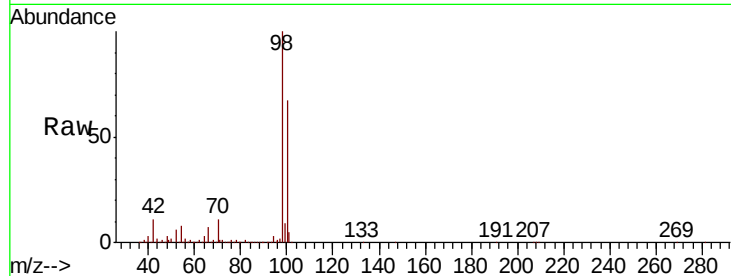




#50
Toluene-d8
Concen: 50.567 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

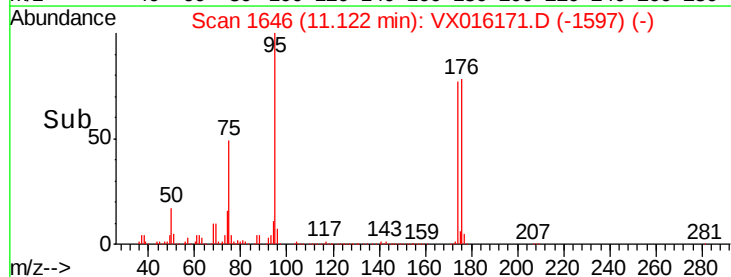
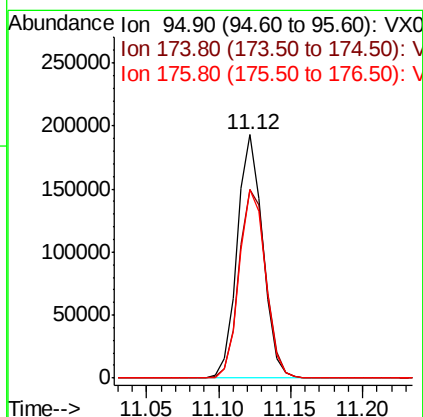
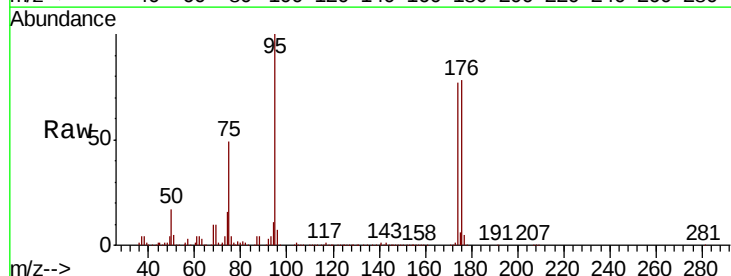
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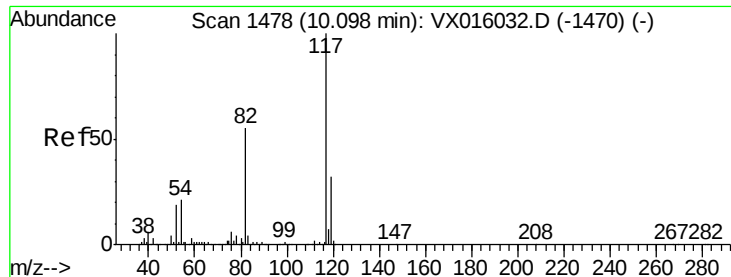
Tot Ion: 98 Resp: 601281
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 52.779 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

Tgt Ion: 95 Resp: 238700
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.4
176 80.1 0.0 157.6

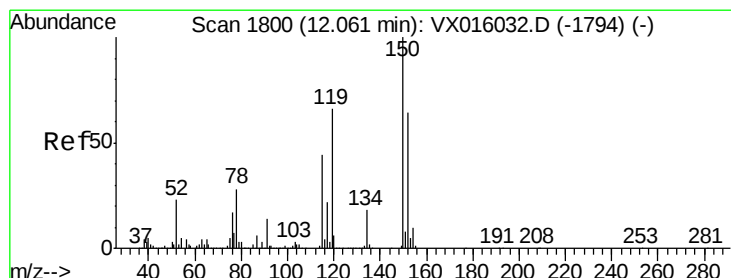
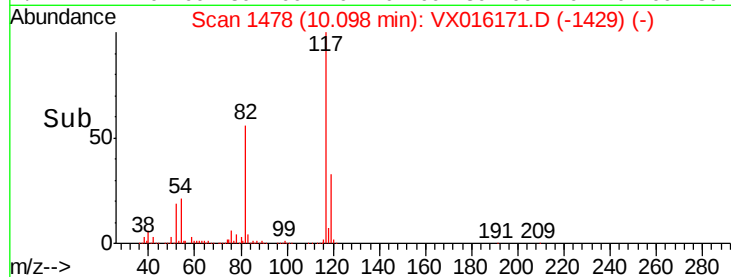
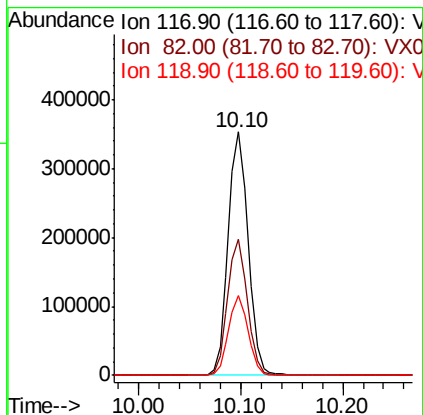
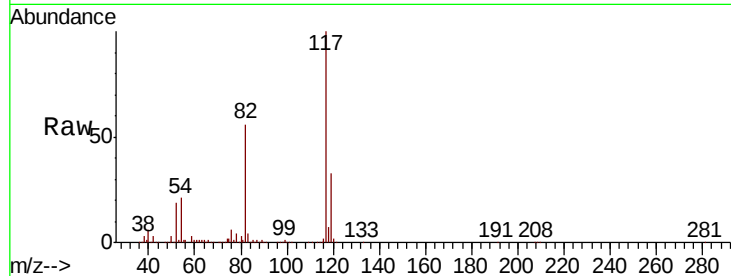




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

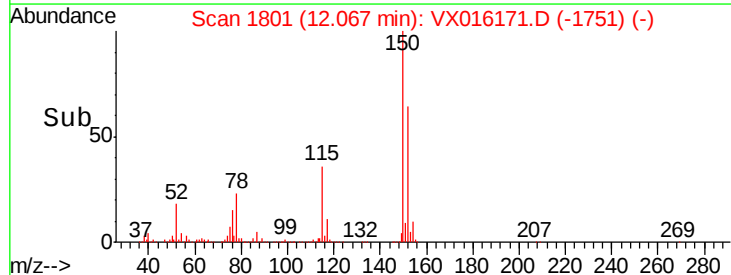
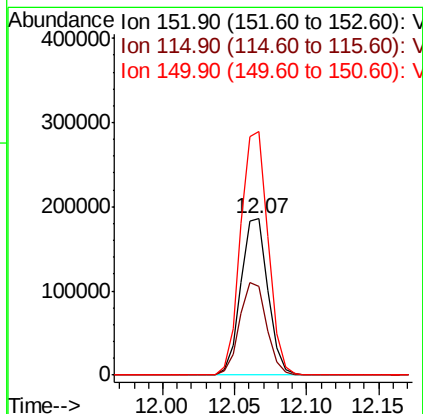
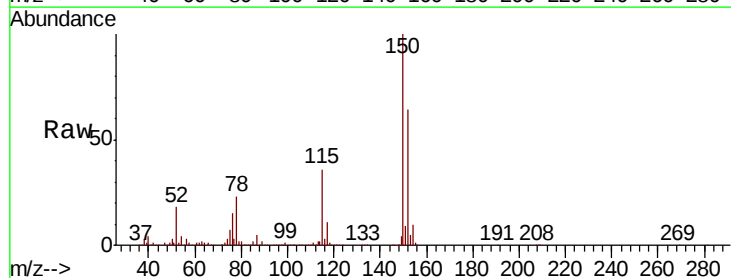
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB6-200511

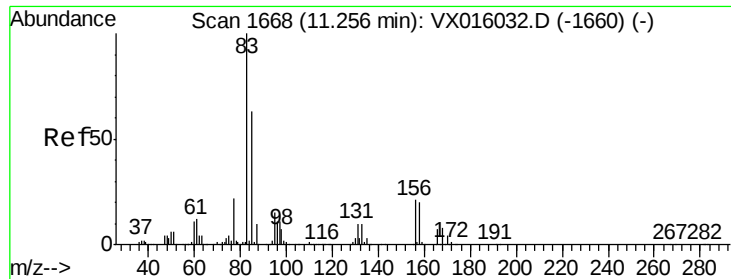
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.4	66.6
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016171.D
Acq: 13 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.3	124.1
150	157.9	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.096 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB6-200511

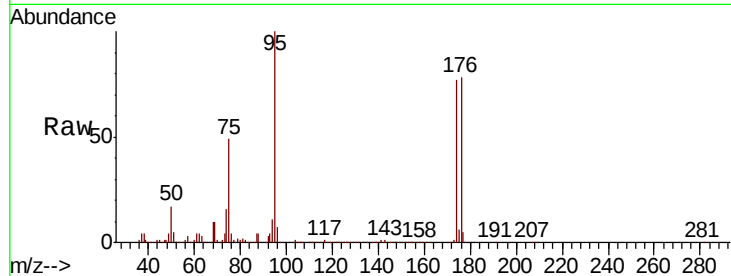
Tot Ion: 83 Resp: 155

Ion Ratio Lower Upper

83 100

131 234.8 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

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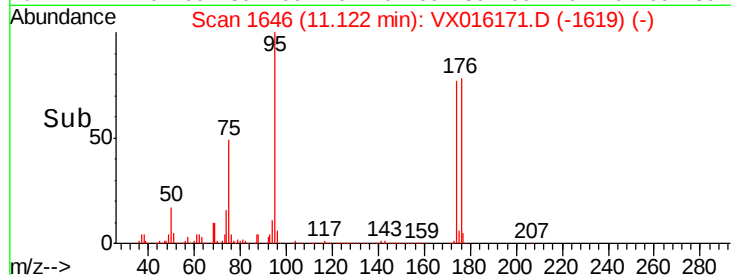
11.12

11.12

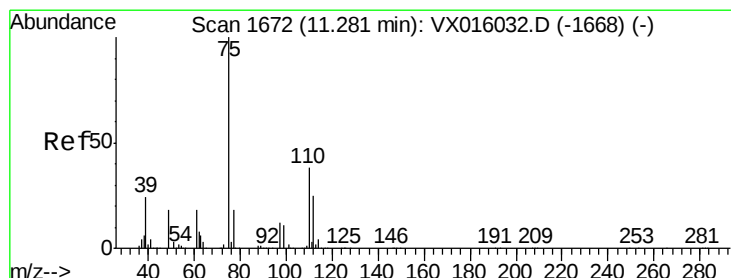
11.12

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Time-->



#76

1,2,3-Trichloropropane

Concen: 21.502 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016171.D

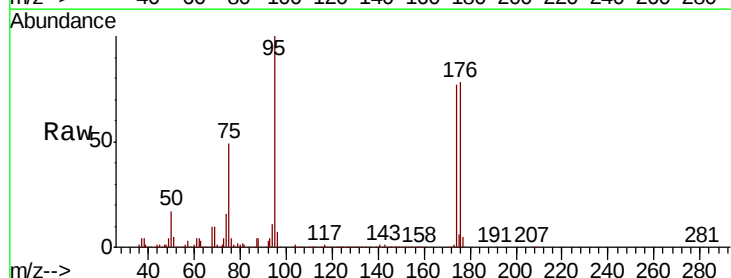
Acq: 13 May 2020 12:05

Tgt Ion: 75 Resp: 118321

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

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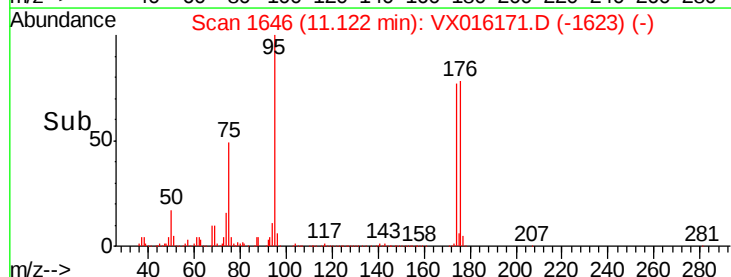
11.12

11.12

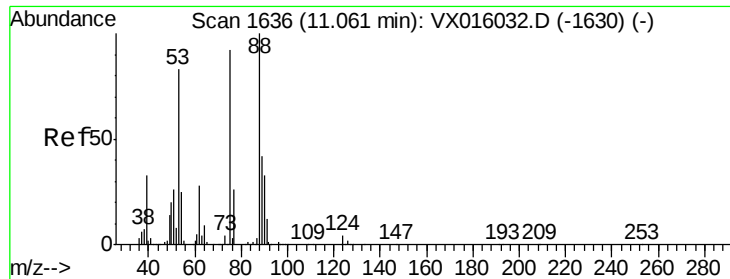
11.12

11.12

11.12



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.241 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB6-200511

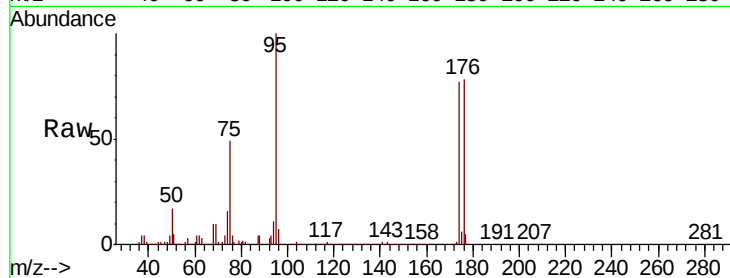
Tot Ion: 75 Resp: 118321

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

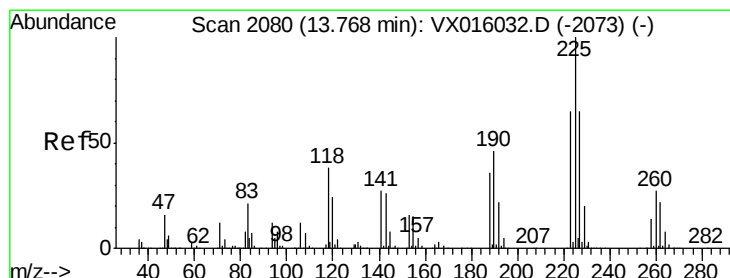
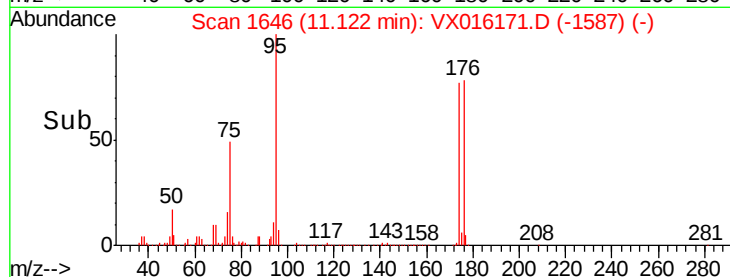
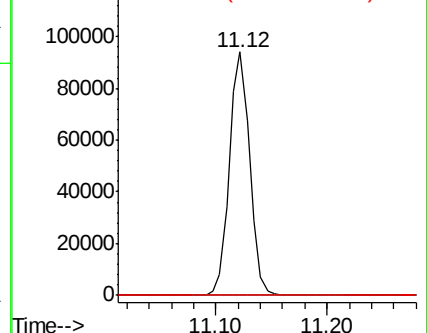
89 0.0 36.7 55.1#



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: 0.582 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016171.D

Acq: 13 May 2020 12:05

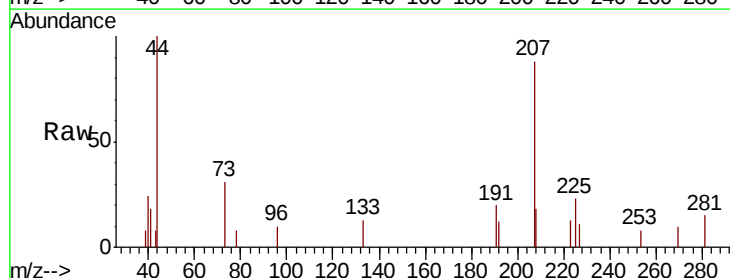
Tgt Ion: 225 Resp: 149

Ion Ratio Lower Upper

225 100

223 70.5 32.3 96.9

227 81.2 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

