

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016182.D
 Acq On : 13 May 2020 16:14
 Operator : JC/SP
 Sample : L2597-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0554-200511

Quant Time: May 14 04:29:18 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	274482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	452850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	449048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231779	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	168697	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
35) Dibromofluoromethane	5.47	113	135042	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	8.70	98	558221	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.12	95	224378	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

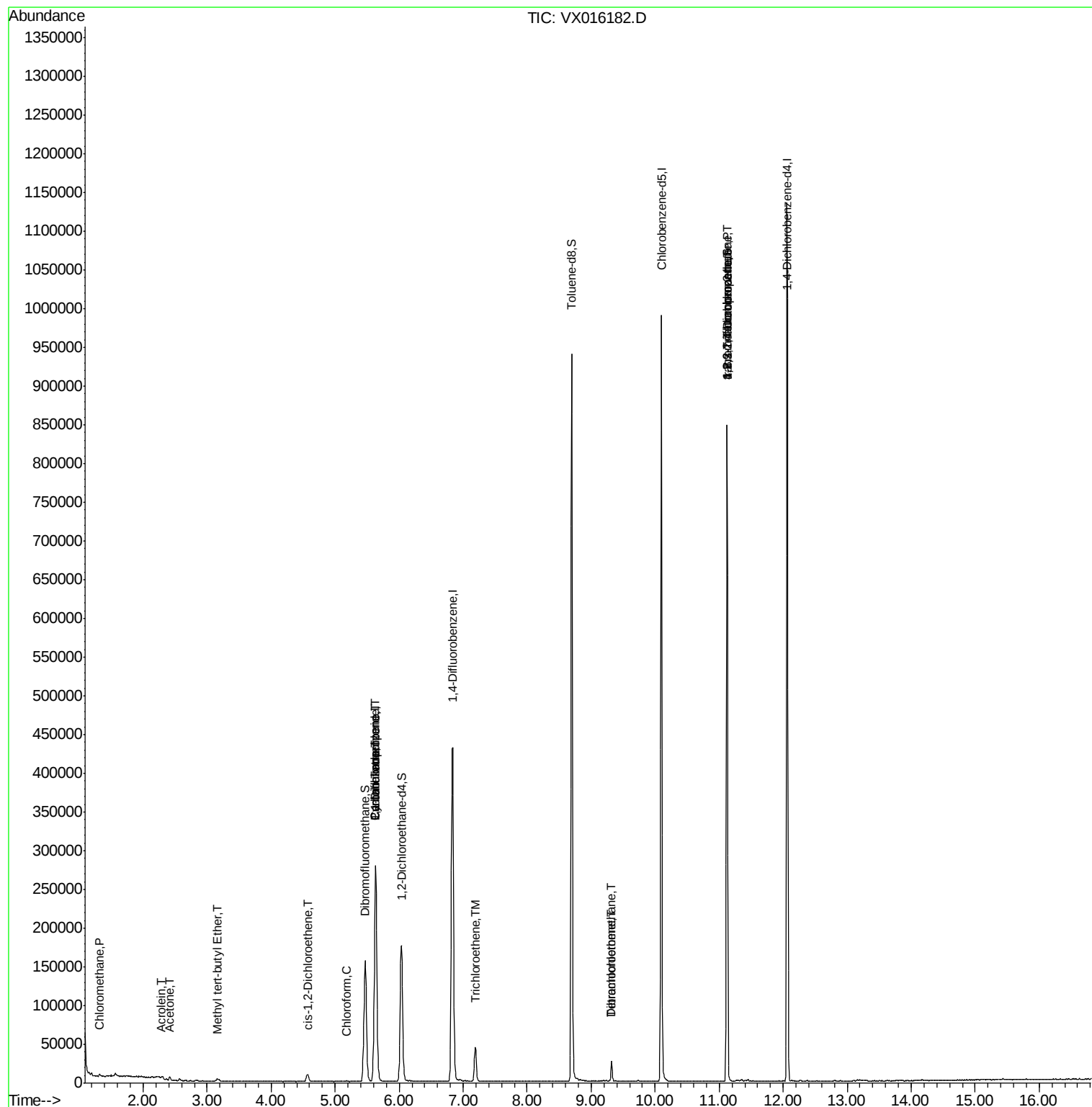
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1328	0.394	ug/l	94
13) Acrolein	2.28	56	225	0.394	ug/l #	14
16) Acetone	2.42	43	4274	2.652	ug/l	97
17) Carbon Disulfide	2.56	76	1068	Below Cal	#	92
19) Methyl tert-butyl Ether	3.17	73	3655	0.372	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	6037	1.737	ug/l	83
30) Chloroform	5.18	83	1226	0.223	ug/l	99
31) Cyclohexane	5.63	56	5136	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19658	4.410	ug/l #	50
38) Carbon Tetrachloride	5.64	117	25769	5.687	ug/l #	14
44) Trichloroethene	7.19	130	17408	3.757	ug/l	99
60) Dibromochloromethane	9.32	129	4428	1.257	ug/l #	11
64) Tetrachloroethene	9.32	164	4938	0.896	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.12	83	167	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110157	20.944	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	110157	49.911	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

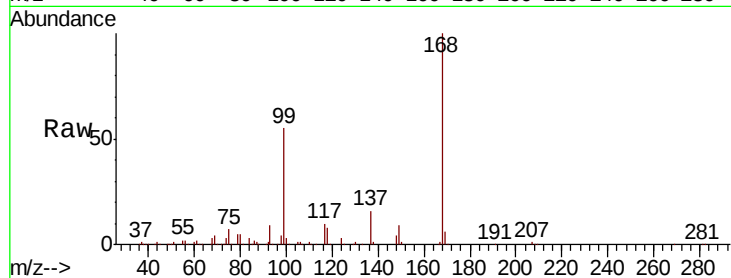
Z4-DUP-0554-200511

Tot Ion:168 Resp: 274482

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

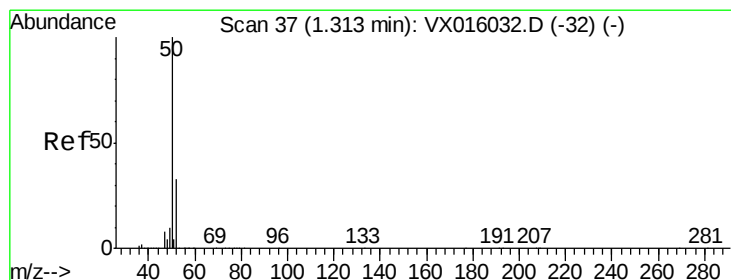
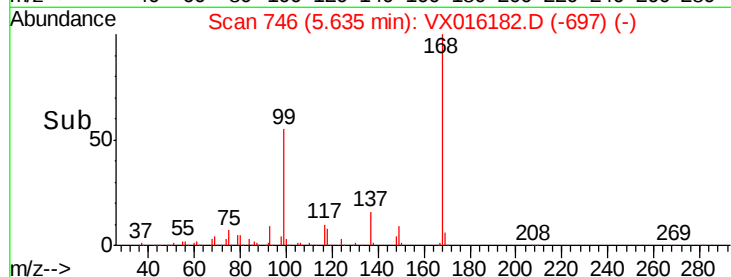
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.394 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016182.D

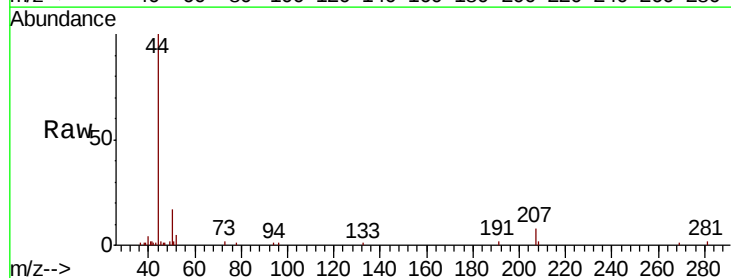
Acq: 13 May 2020 16:14

Tgt Ion: 50 Resp: 1328

Ion Ratio Lower Upper

50 100

52 29.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

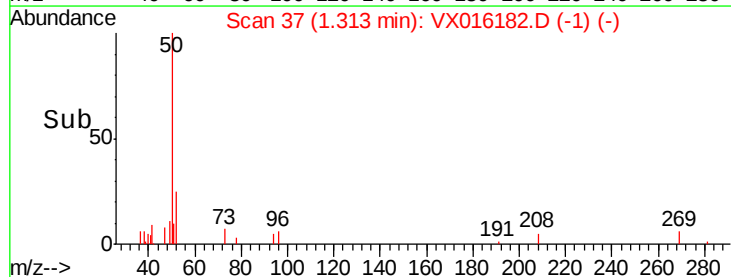
1.31

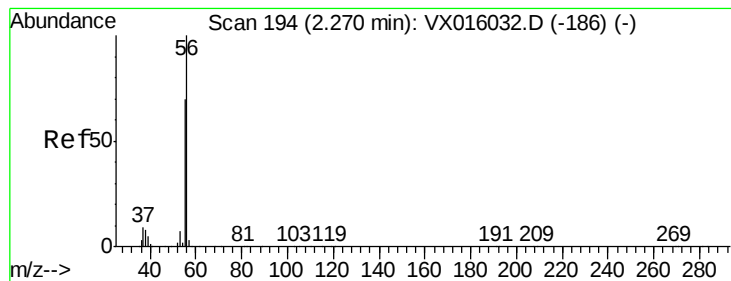
1000

500

0

Time-->





#13

Acrolein

Concen: 0.394 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

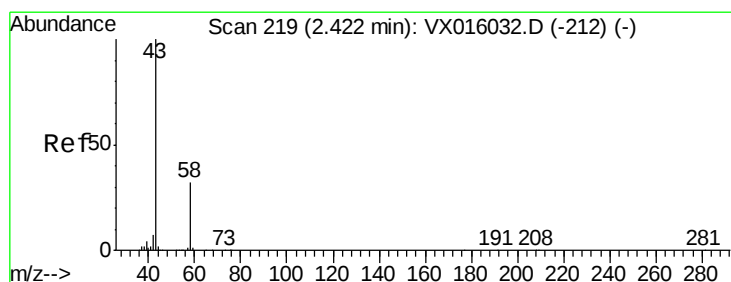
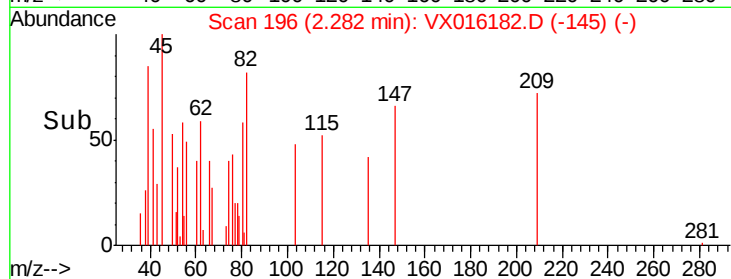
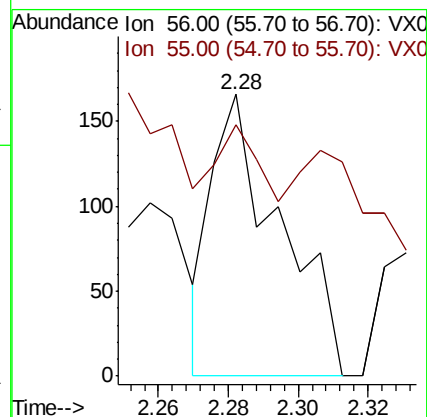
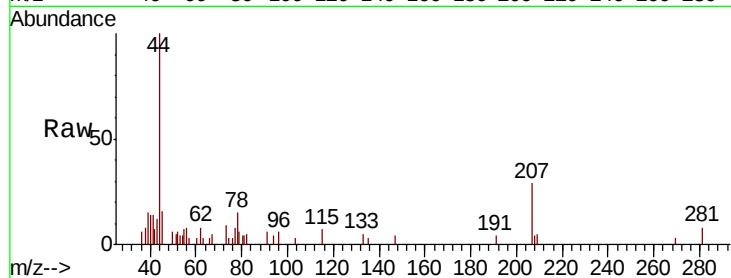
Z4-DUP-0554-200511

Tot Ion: 56 Resp: 225

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



#16

Acetone

Concen: 2.652 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016182.D

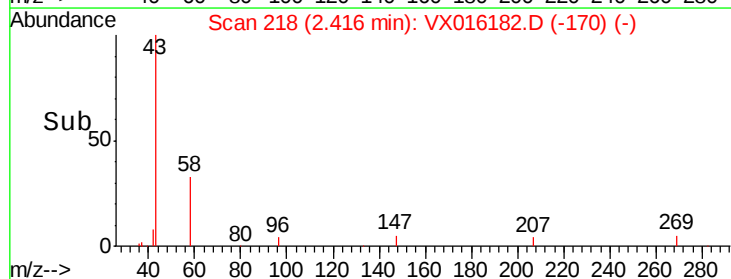
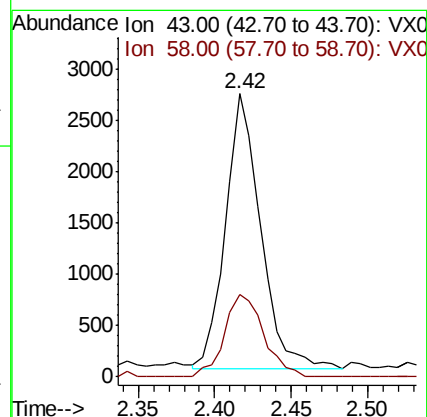
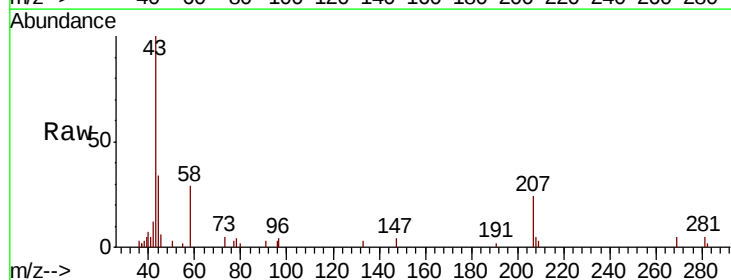
Acq: 13 May 2020 16:14

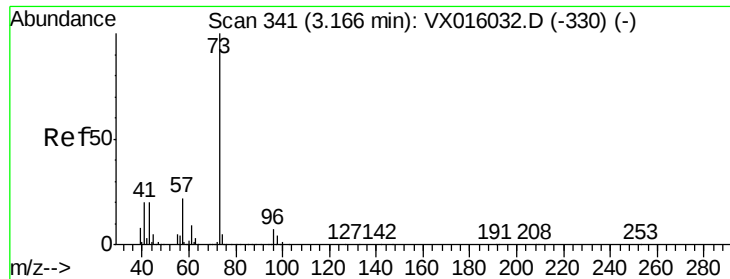
Tgt Ion: 43 Resp: 4274

Ion Ratio Lower Upper

43 100

58 30.2 25.4 38.0

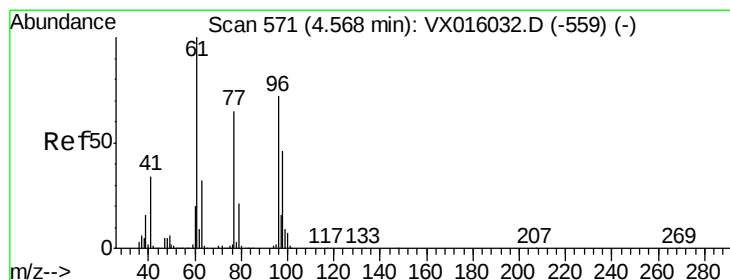
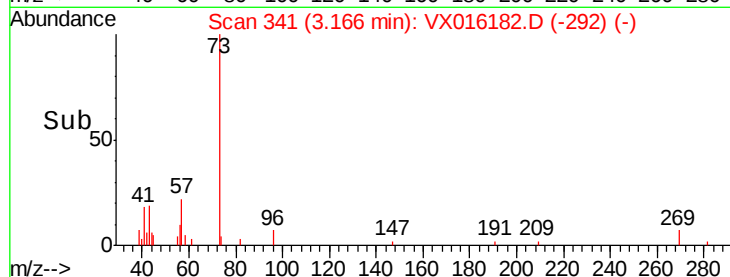
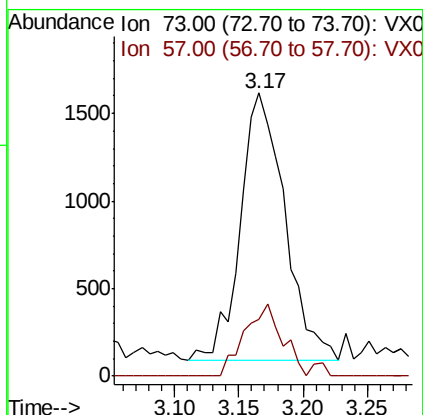
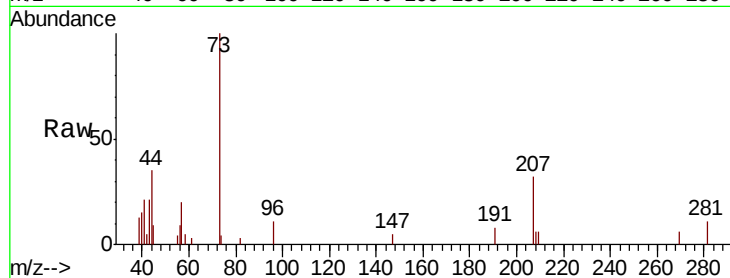




#19
Methvl tert-butvl Ether
Concen: 0.372 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016182.D
Acq: 13 May 2020 16:14

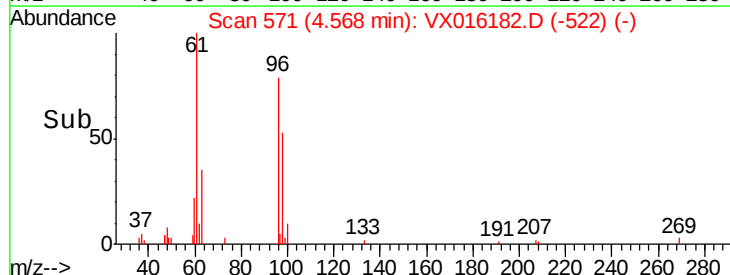
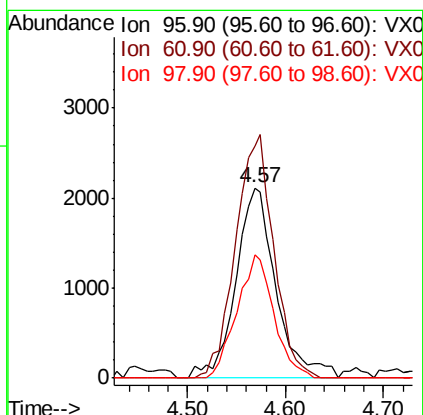
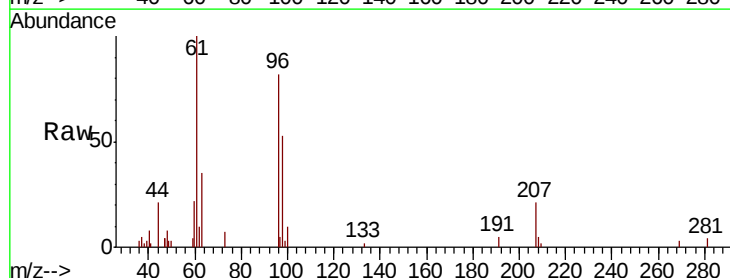
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0554-200511

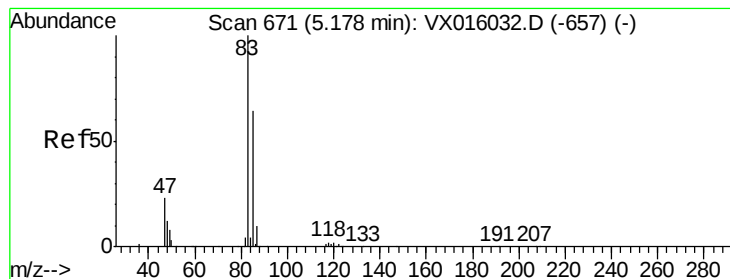
Tot Ion: 73 Resp: 3655
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.6



#27
cis-1,2-Dichloroethene
Concen: 1.737 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016182.D
Acq: 13 May 2020 16:14

Tgt Ion: 96 Resp: 6037
Ion Ratio Lower Upper
96 100
61 121.6 0.0 296.2
98 59.5 0.0 129.4





#30

Chloroform

Concen: 0.223 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

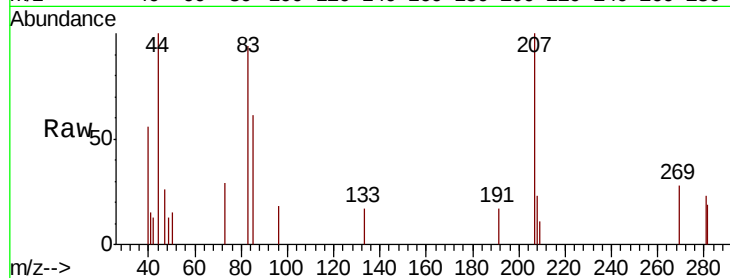
Z4-DUP-0554-200511

Tot Ion: 83 Resp: 1226

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.18

400

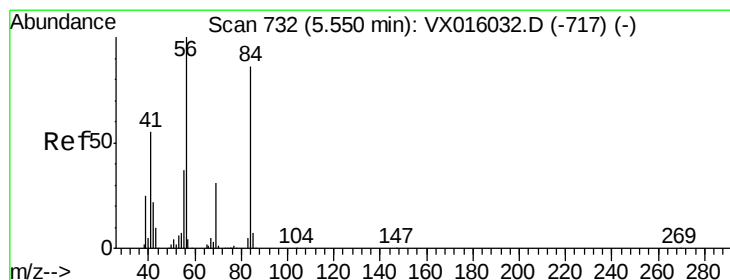
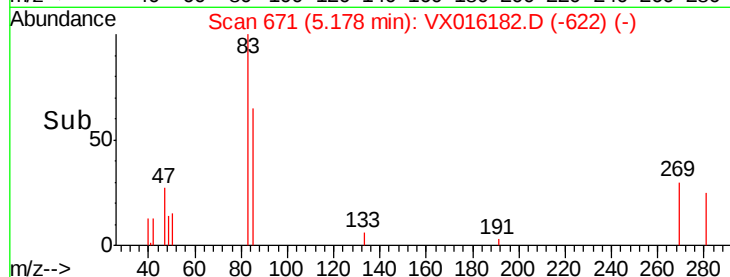
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

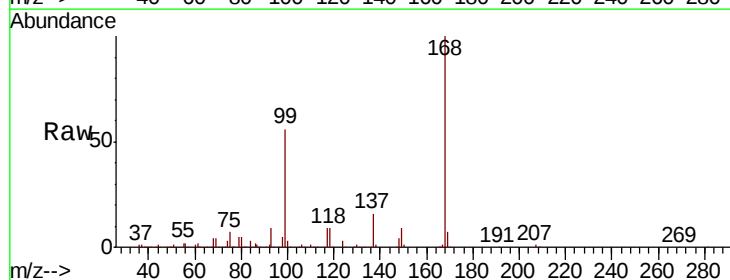
Tgt Ion: 56 Resp: 5136

Ion Ratio Lower Upper

56 100

69 204.2 25.0 37.6#

84 155.3 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5000

4000

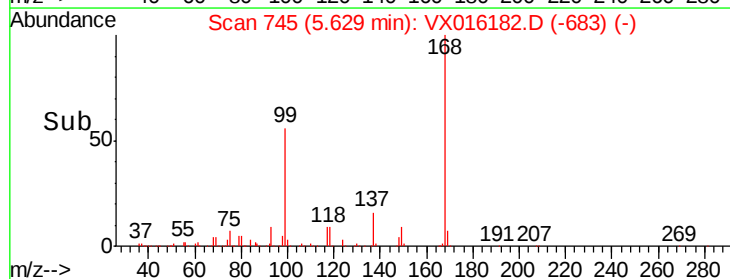
3000

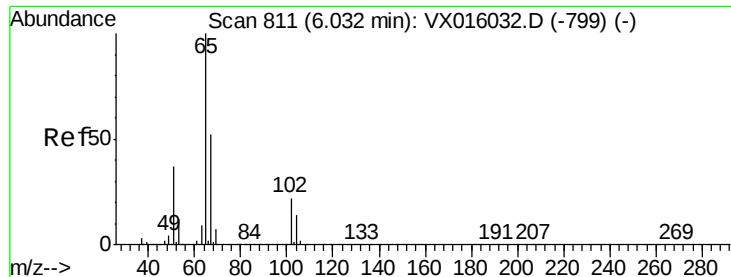
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.706 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

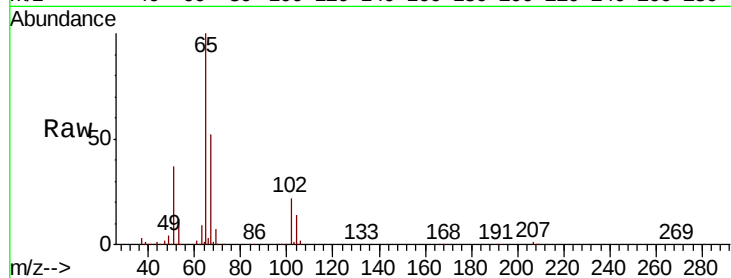
Z4-DUP-0554-200511

Tot Ion: 65 Resp: 168697

Ion Ratio Lower Upper

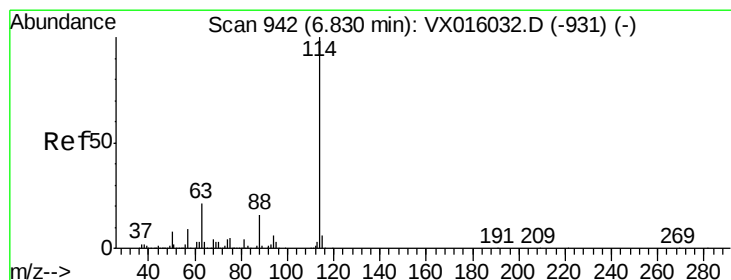
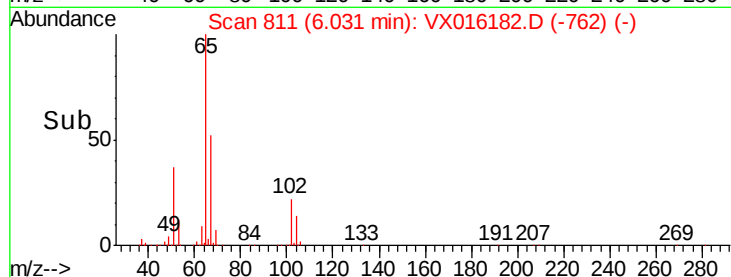
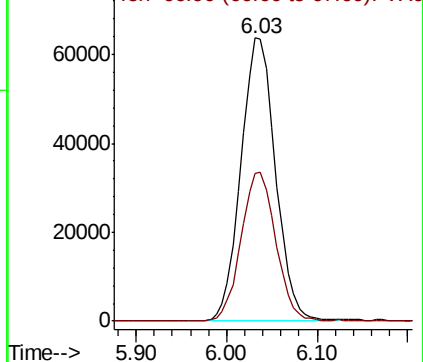
65 100

67 52.7 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: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

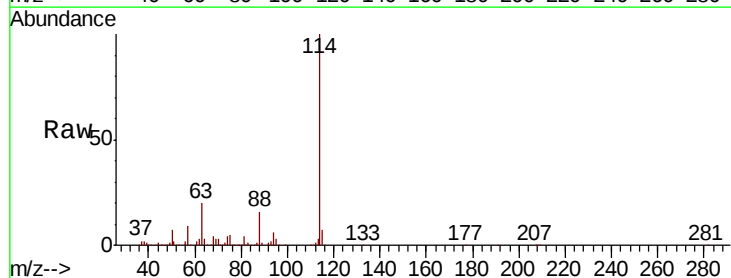
Tgt Ion: 114 Resp: 452850

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

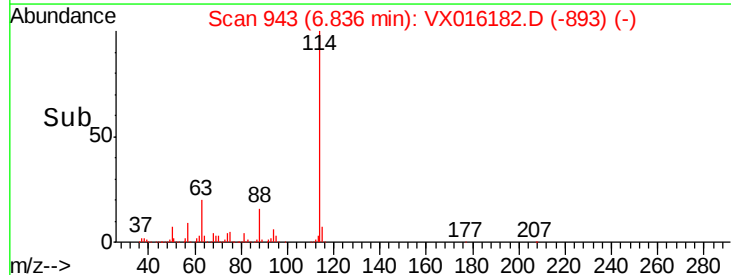
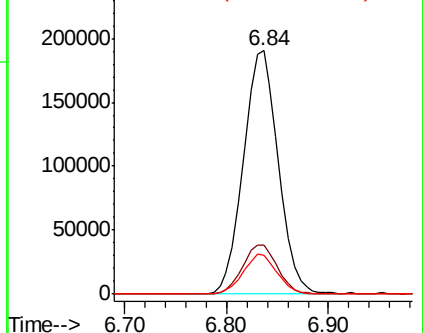
88 16.0 0.0 31.4



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: 47.069 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

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ClientSampleId :

Z4-DUP-0554-200511

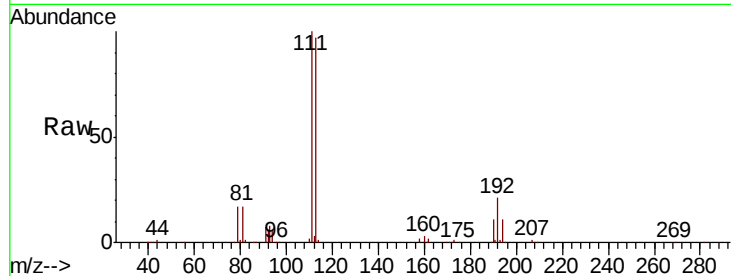
Tot Ion:113 Resp: 135042

Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

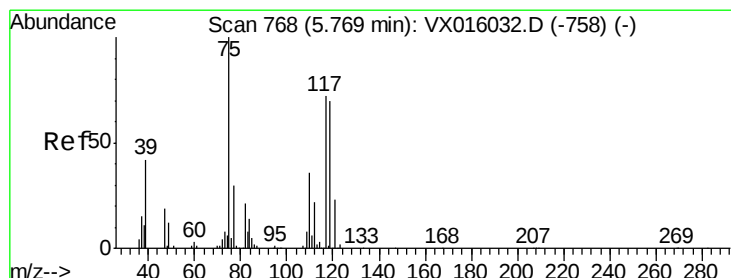
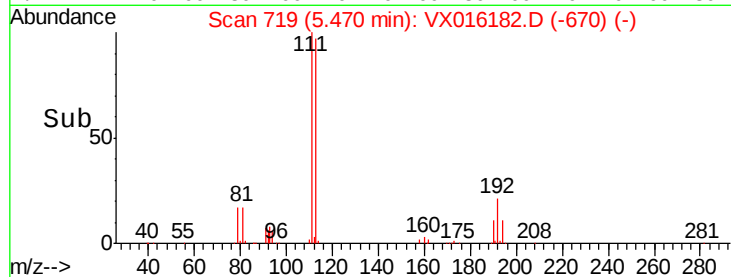
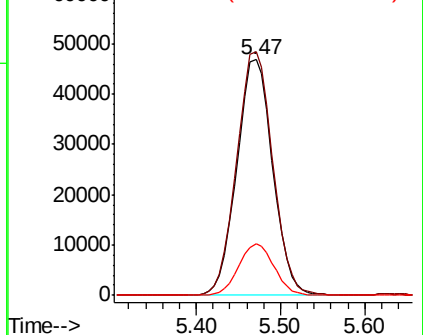
192 21.6 17.0 25.4



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: 4.410 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

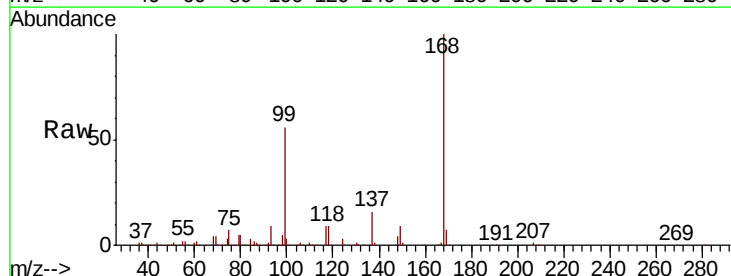
Tgt Ion: 75 Resp: 19658

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

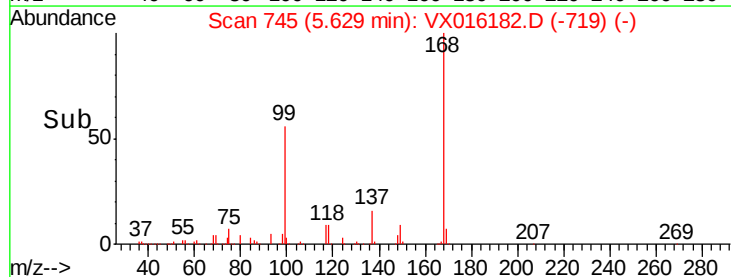
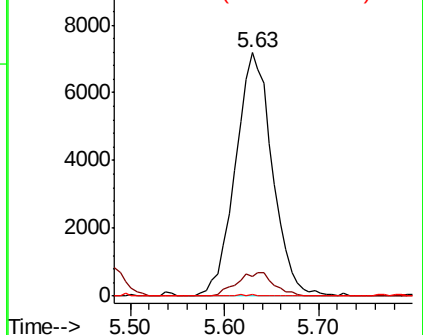
77 0.2 25.0 37.6#

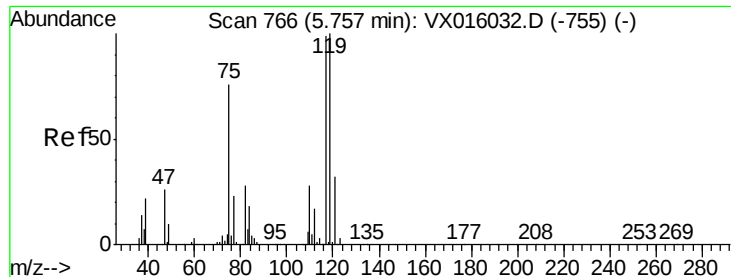


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

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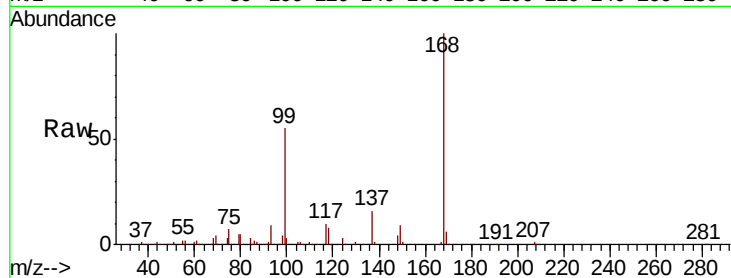
Tot Ion:117 Resp: 25769

Ion Ratio Lower Upper

117 100

119 4.6 80.3 120.5#

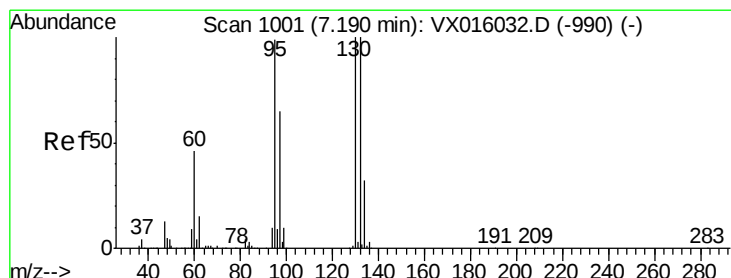
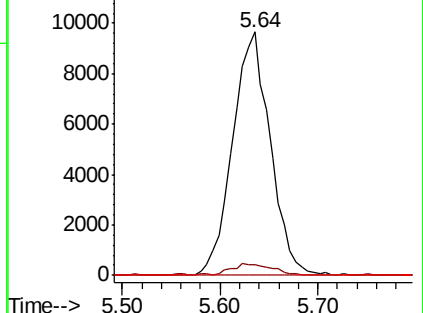
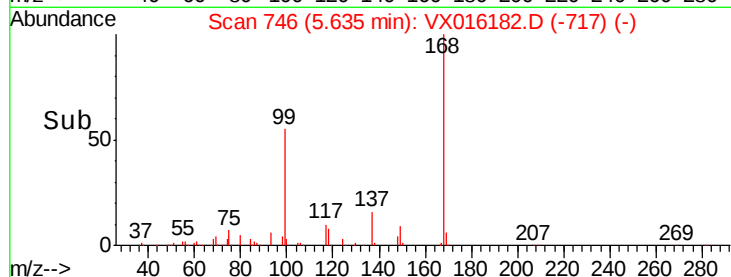
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 3.757 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016182.D

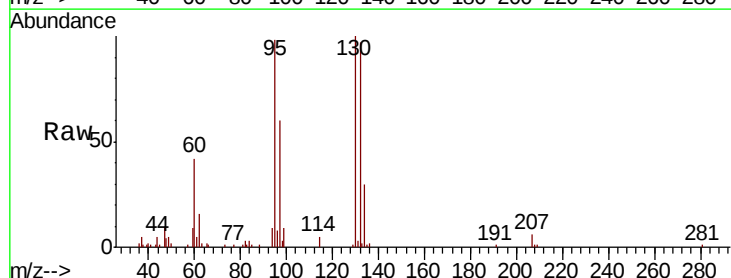
Acq: 13 May 2020 16:14

Tgt Ion:130 Resp: 17408

Ion Ratio Lower Upper

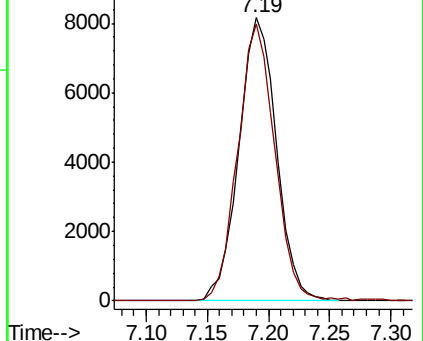
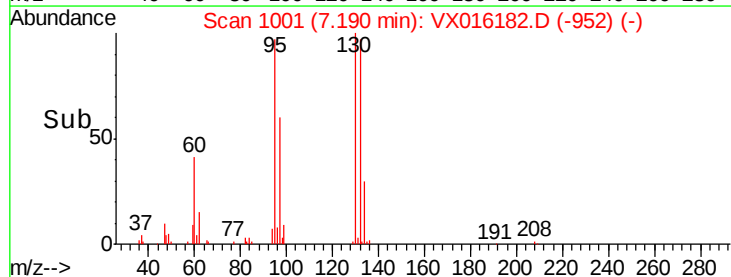
130 100

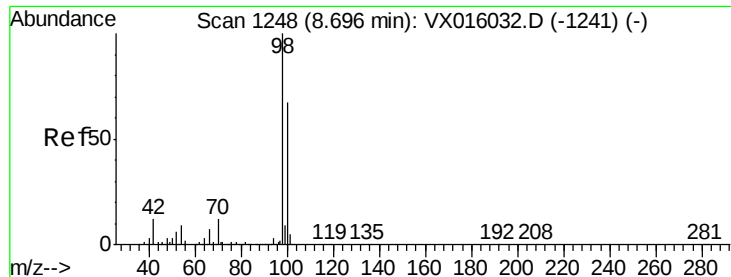
95 97.9 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.497 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

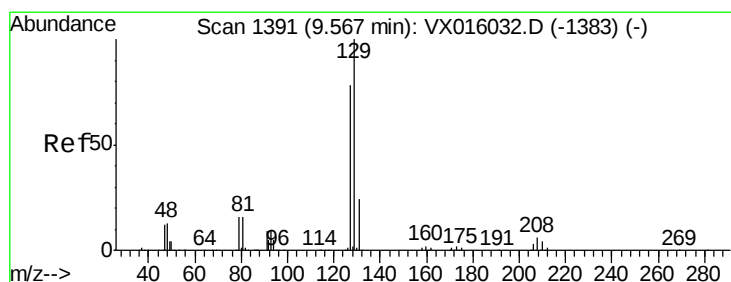
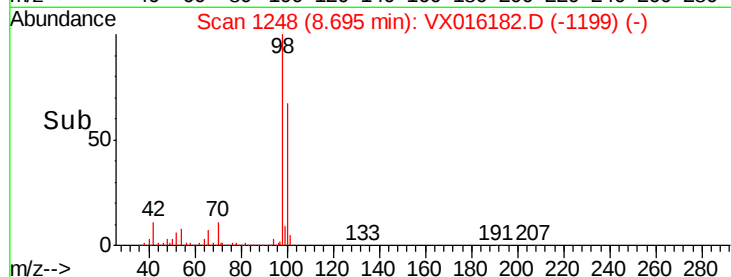
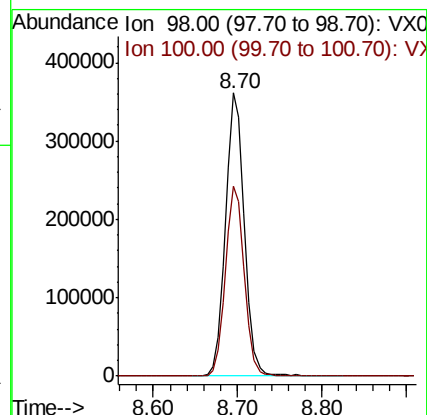
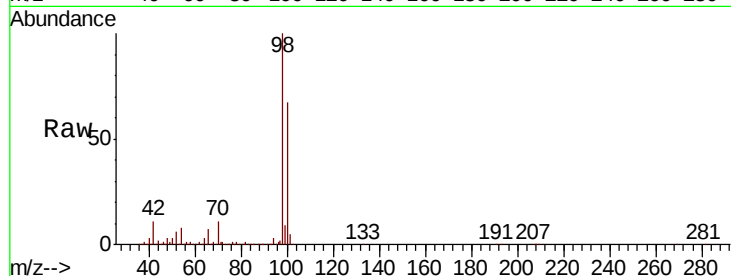
Z4-DUP-0554-200511

Tot Ion: 98 Resp: 558221

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#60

Dibromochloromethane

Concen: 1.257 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016182.D

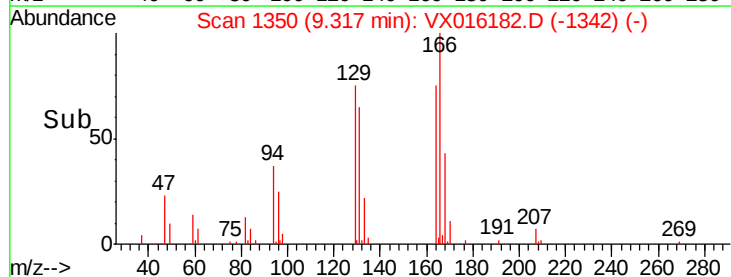
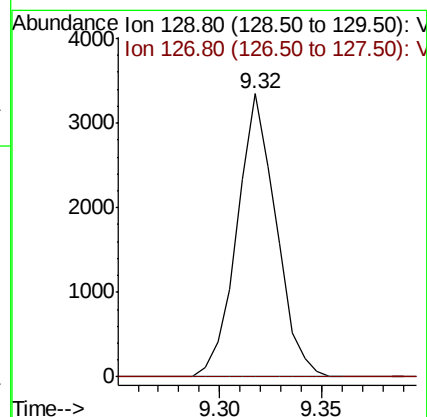
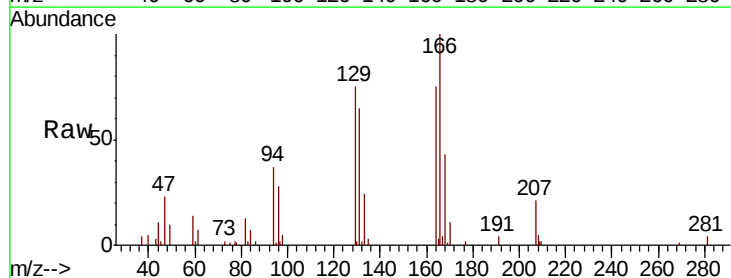
Acq: 13 May 2020 16:14

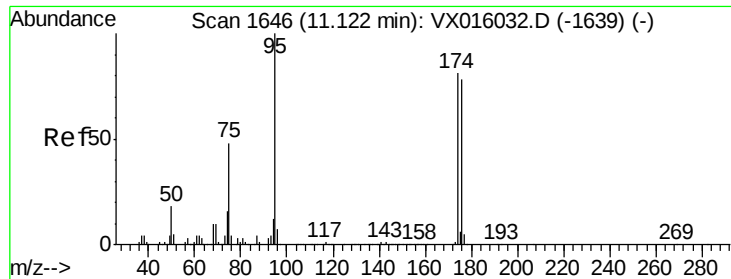
Tgt Ion: 129 Resp: 4428

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

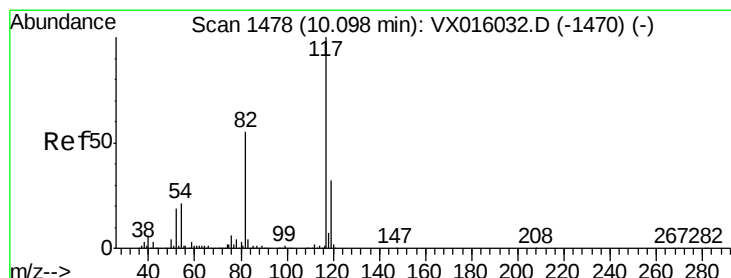
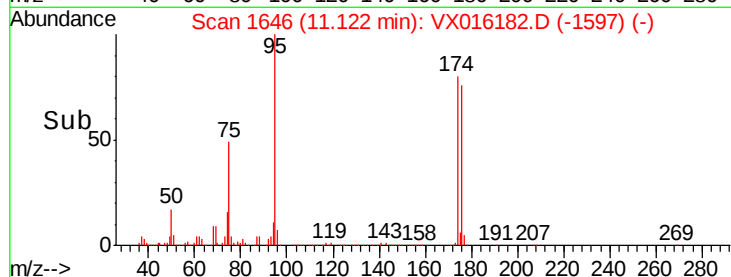
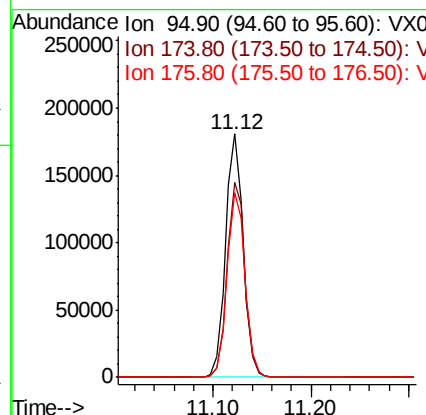
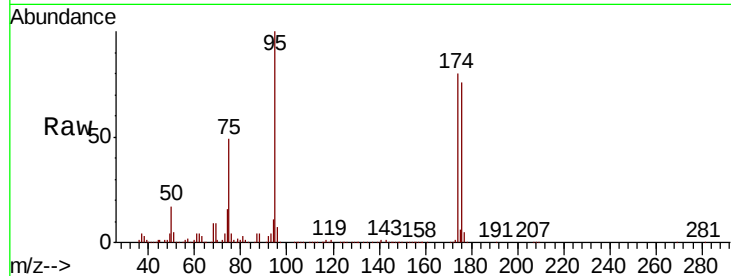




#62
4-Bromofluorobenzene
Concen: 53.365 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016182.D
Acq: 13 May 2020 16:14

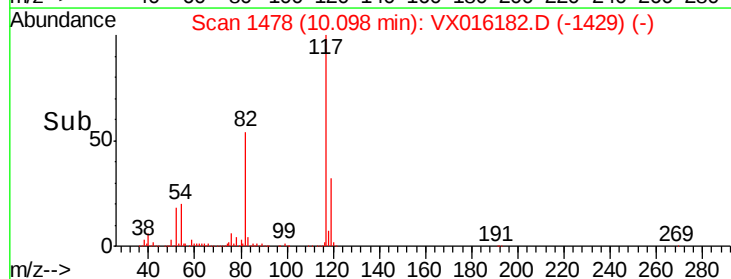
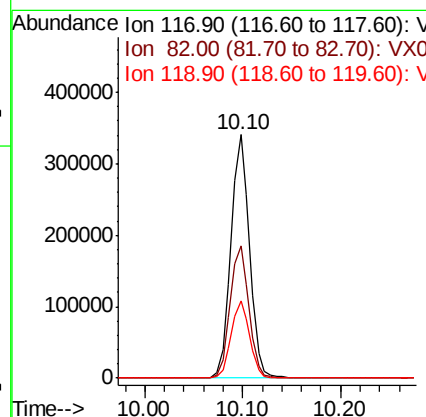
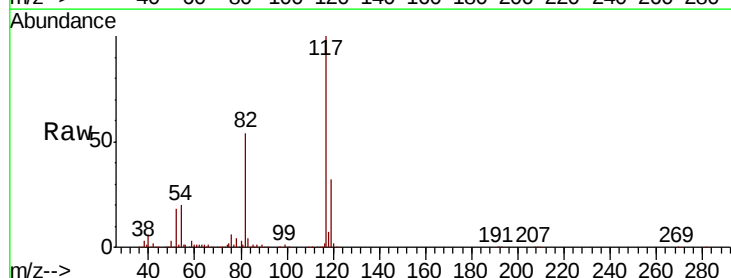
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0554-200511

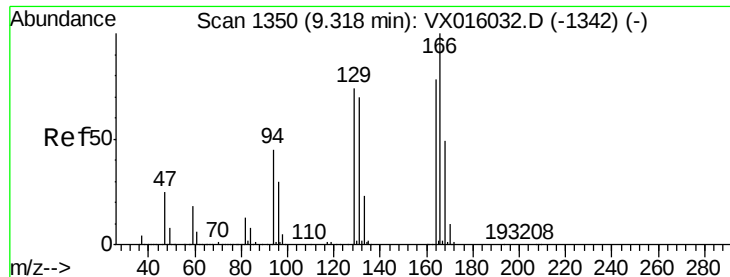
Tot Ion: 95 Resp: 224378
Ion Ratio Lower Upper
95 100
174 81.5 0.0 159.4
176 77.8 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016182.D
Acq: 13 May 2020 16:14

Tgt Ion: 117 Resp: 449048
Ion Ratio Lower Upper
117 100
82 54.1 44.4 66.6
119 31.8 25.5 38.3





#64

Tetrachloroethene

Concen: 0.896 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0554-200511

Tot Ion:164 Resp: 4938

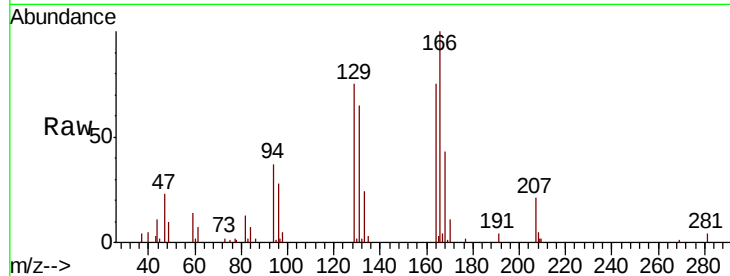
Ion Ratio Lower Upper

164 100

166 133.8 102.9 154.3

129 99.9 76.1 114.1

131 86.3 71.9 107.9

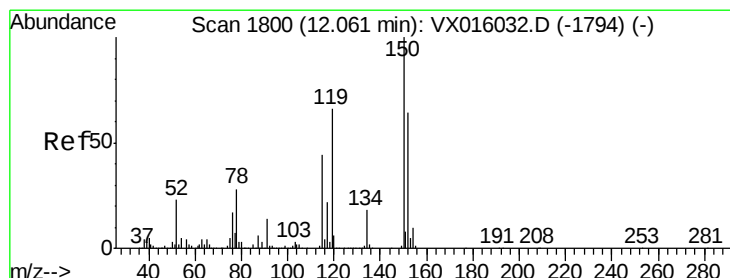
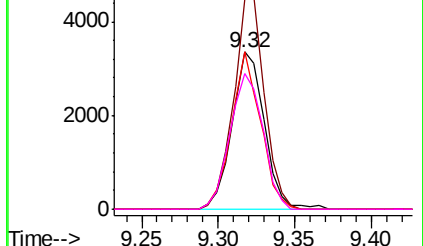
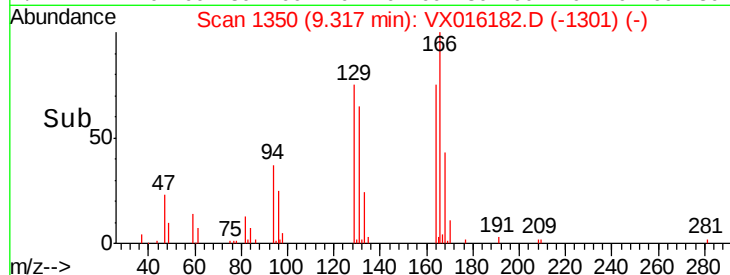


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX016182.D

Acq: 13 May 2020 16:14

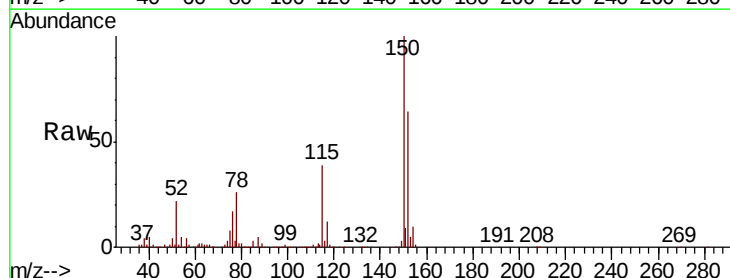
Tgt Ion:152 Resp: 231779

Ion Ratio Lower Upper

152 100

115 57.7 41.3 124.1

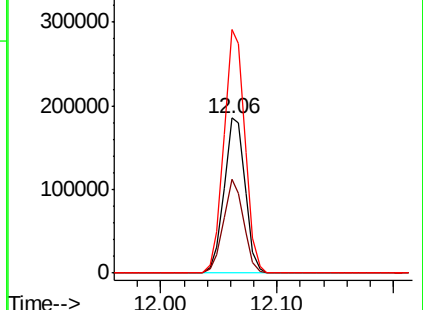
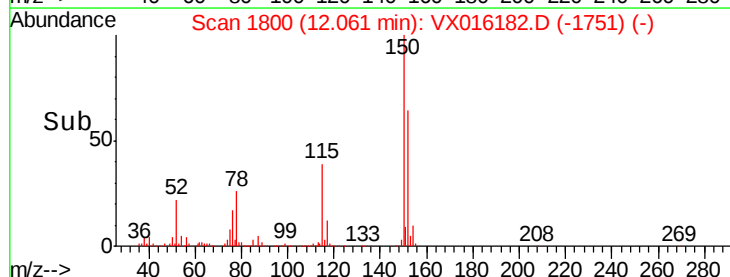
150 155.8 0.0 352.2

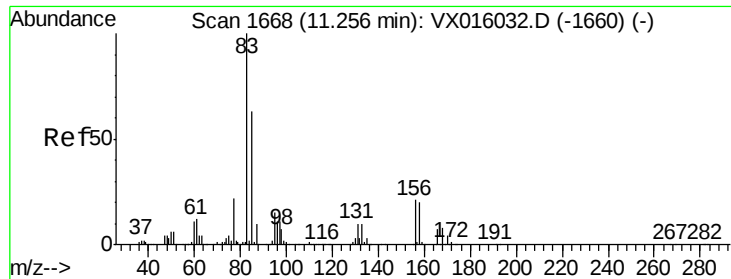


Abundance Ion 151.90 (151.60 to 152.60): V

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: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0554-200511

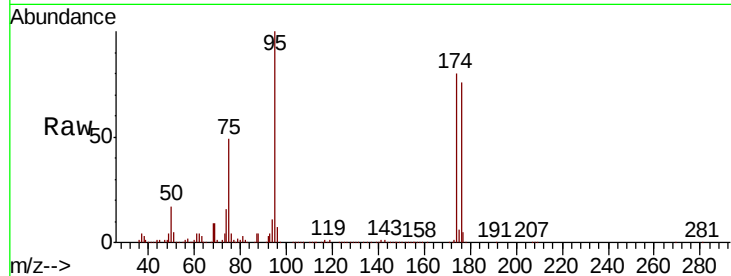
Tot Ion: 83 Resp: 167

Ion Ratio Lower Upper

83 100

131 182.0 5.1 15.4#

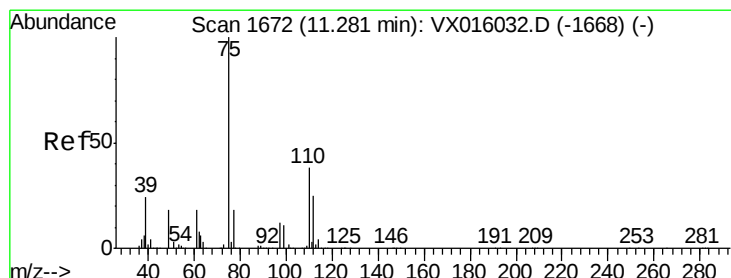
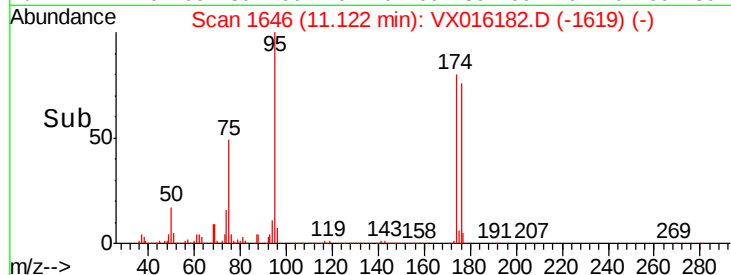
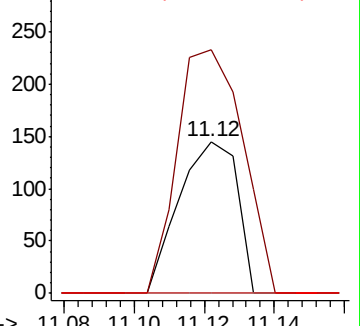
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.944 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016182.D

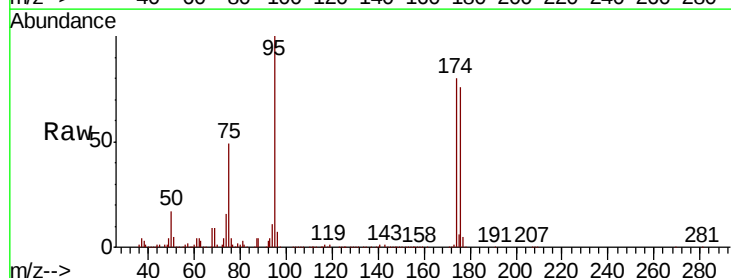
Acq: 13 May 2020 16:14

Tgt Ion: 75 Resp: 110157

Ion Ratio Lower Upper

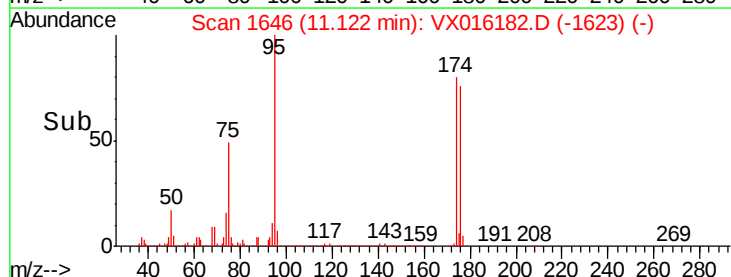
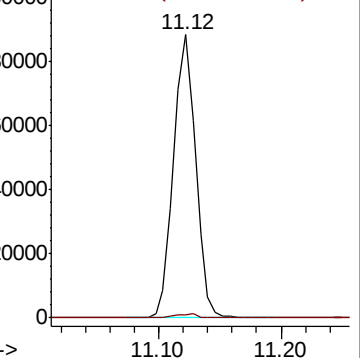
75 100

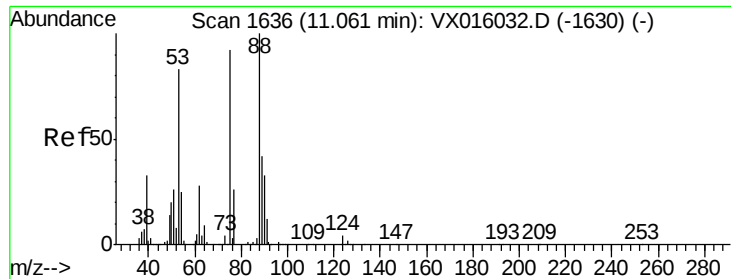
77 1.4 21.2 63.6#



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: 49.911 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016182.D

Acq: 13 May 2020 16:14

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0554-200511

Tot Ion: 75 Resp: 110157

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#

