

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050720\
 Data File : VX016093.D
 Acq On : 07 May 2020 14:55
 Operator : JC/SP
 Sample : L2550-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200430

Quant Time: May 08 02:05:14 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	294616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	476501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	462910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240673	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	182857	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.47	113	142371	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.70	98	581105	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.12	95	234574	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	

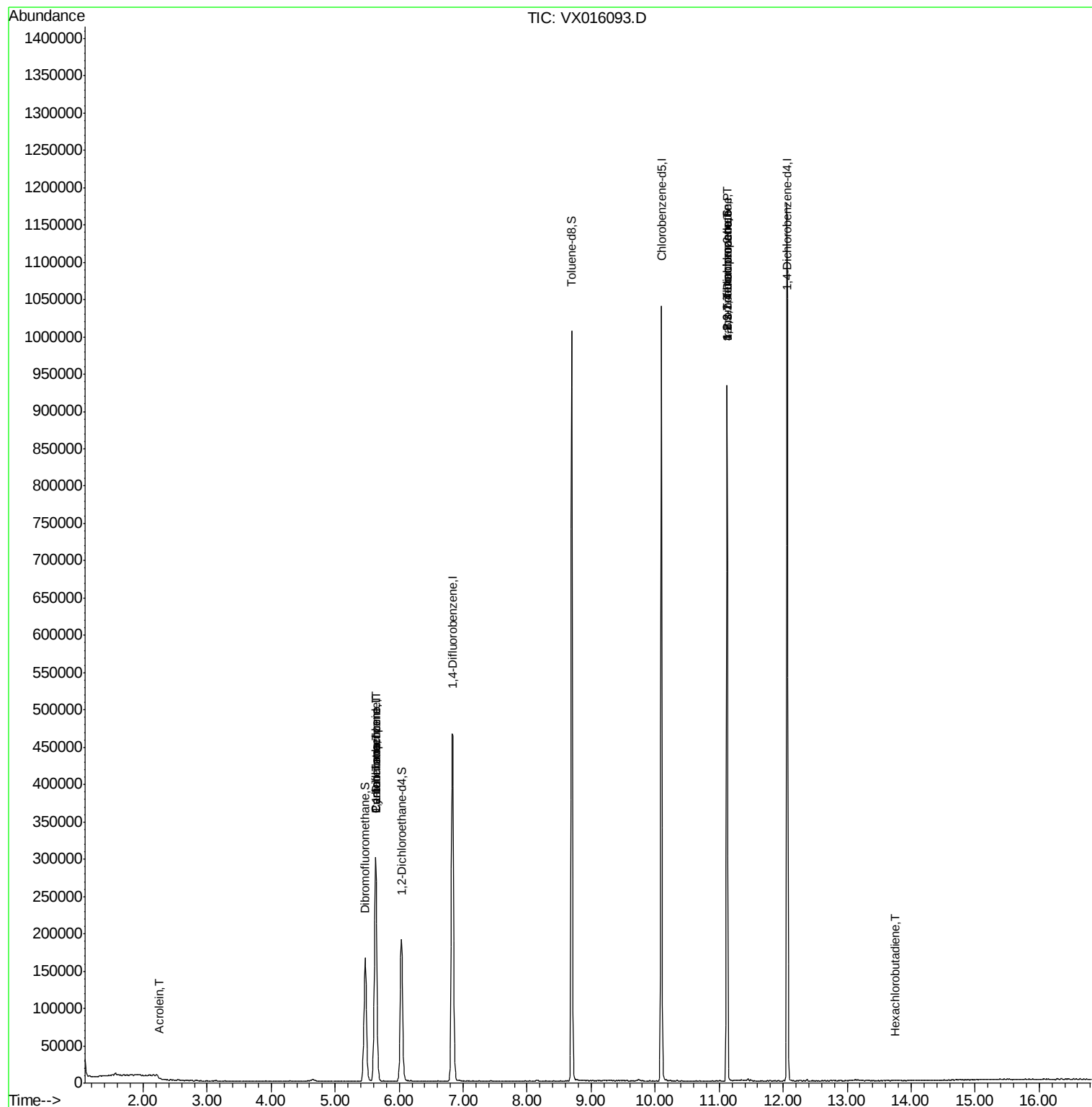
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.26	56	188	0.306	ug/l #	1
17) Carbon Disulfide	2.55	76	1588	Below Cal	#	95
31) Cyclohexane	5.63	56	6008	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22313	4.757	ug/l #	50
38) Carbon Tetrachloride	5.64	117	28253	5.926	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	216	2.115	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117462	21.508	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117462	51.254	ug/l #	13
94) Hexachlorobutadiene	13.76	225	78	0.555	ug/l #	46

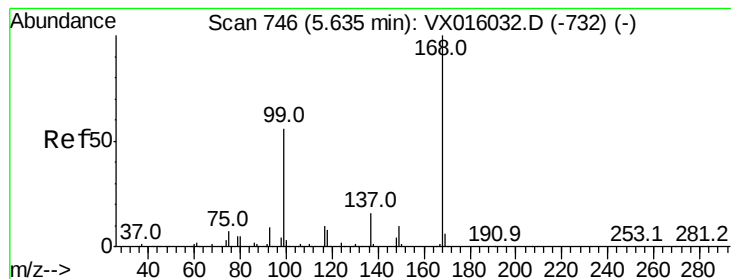
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 07 May 2020 14:55
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Quant Time: May 08 02:05:14 2020
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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: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

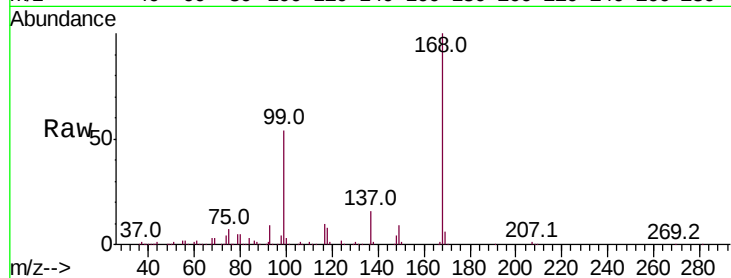
TB-01-200430

Tot Ion:168 Resp: 294616

Ion Ratio Lower Upper

168 100

99 53.6 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

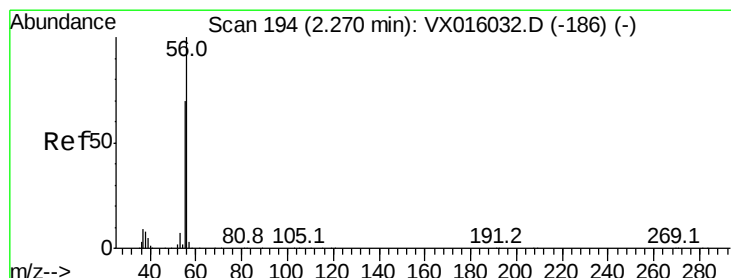
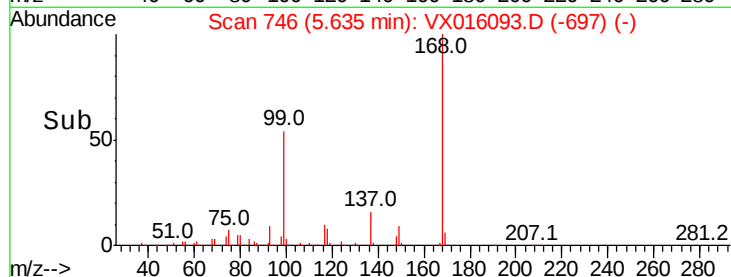
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.306 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX016093.D

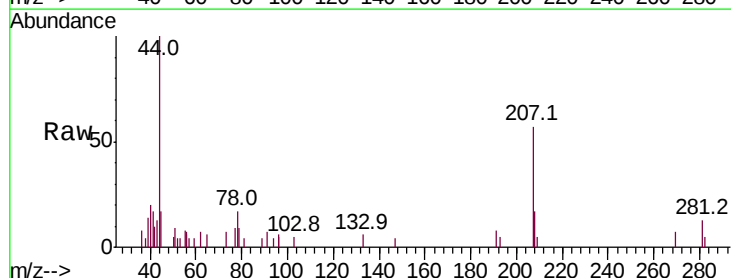
Acq: 07 May 2020 14:55

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 230.3 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

250

200

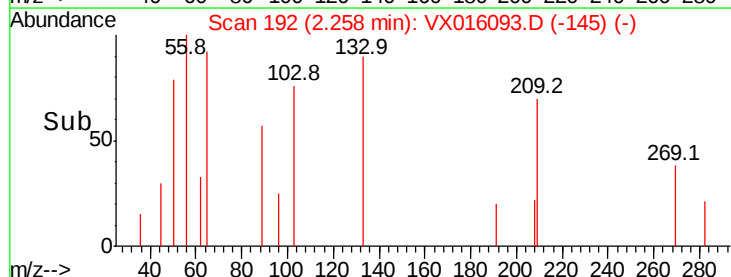
150

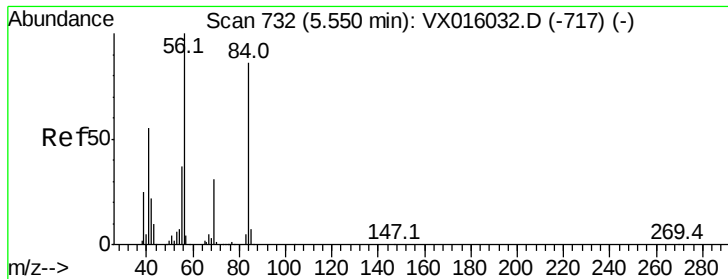
100

50

0

Time-->

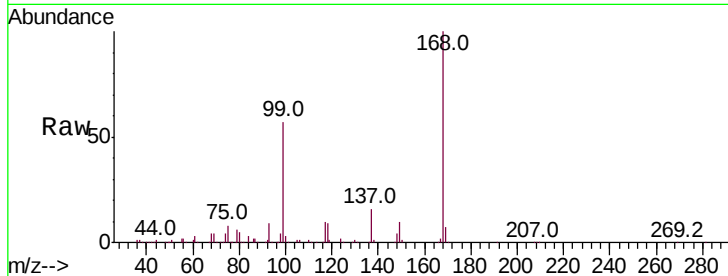




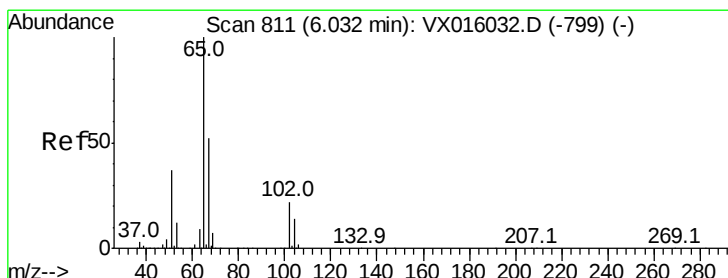
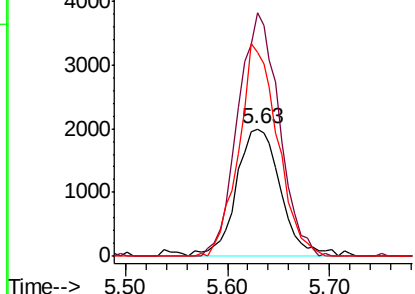
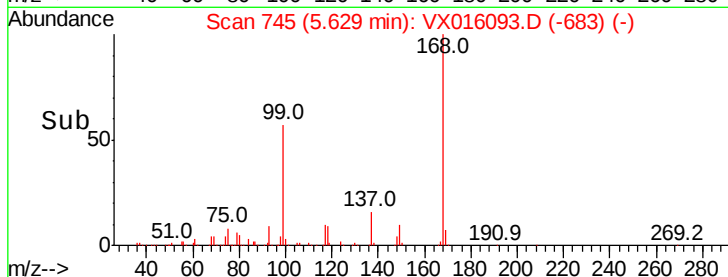
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016093.D
Acq: 07 May 2020 14:55

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200430

Tot Ion: 56 Resp: 6008
Ion Ratio Lower Upper
56 100
69 190.6 25.0 37.6#
84 159.3 69.0 103.6#

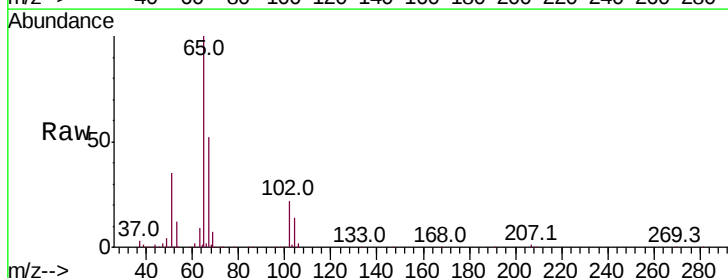


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

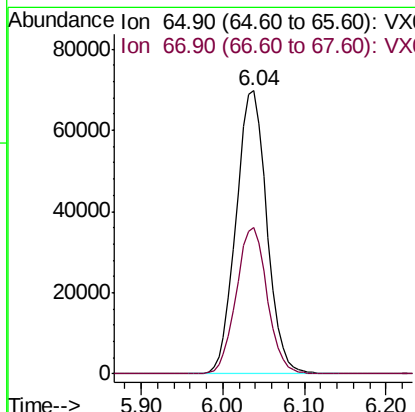
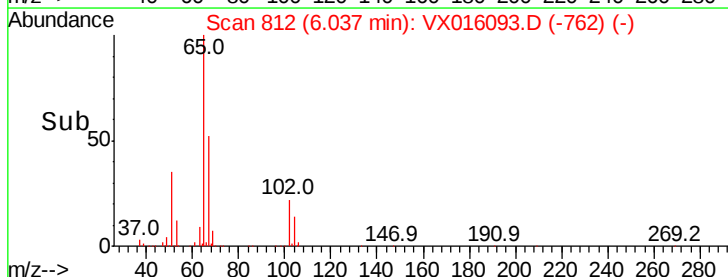


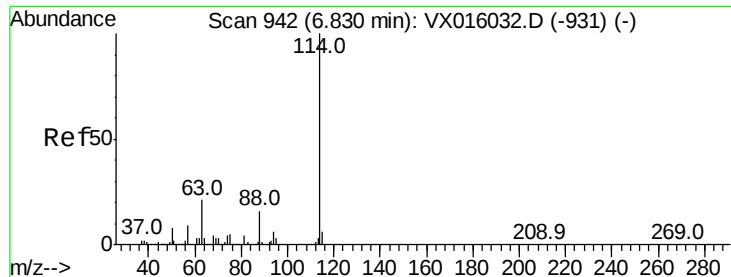
#33
1,2-Dichloroethane-d4
Concen: 47.166 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016093.D
Acq: 07 May 2020 14:55

Tgt Ion: 65 Resp: 182857
Ion Ratio Lower Upper
65 100
67 52.0 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: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200430

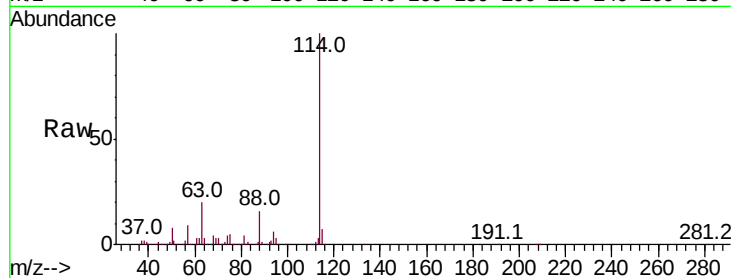
Tot Ion:114 Resp: 476501

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

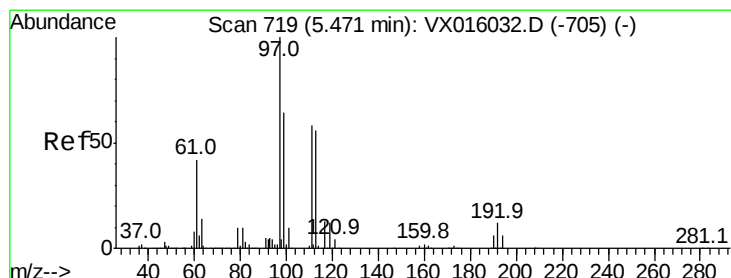
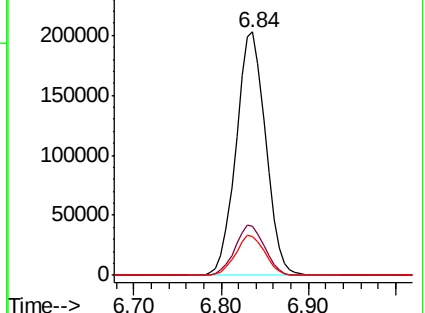
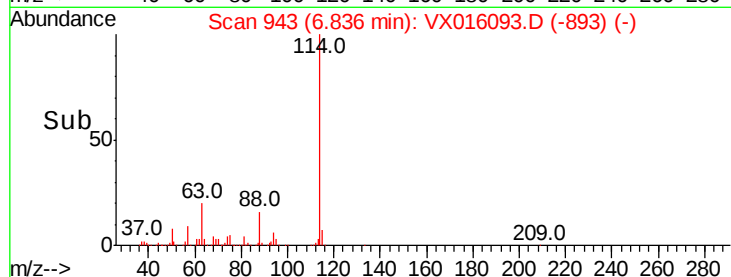
88 16.0 0.0 31.4



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: 47.161 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

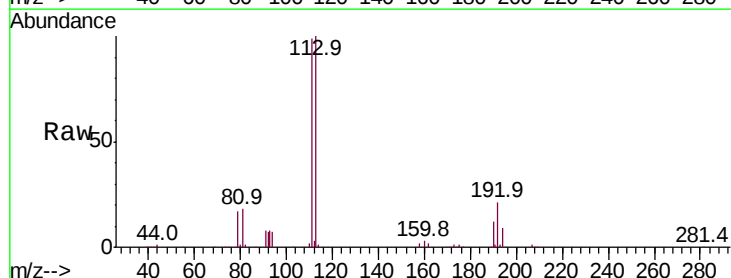
Tgt Ion:113 Resp: 142371

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

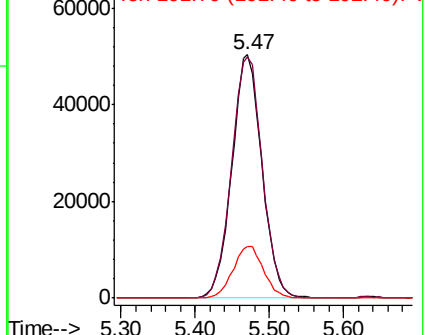
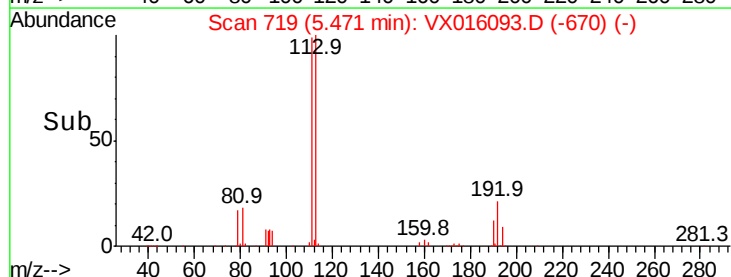
192 21.6 17.0 25.4

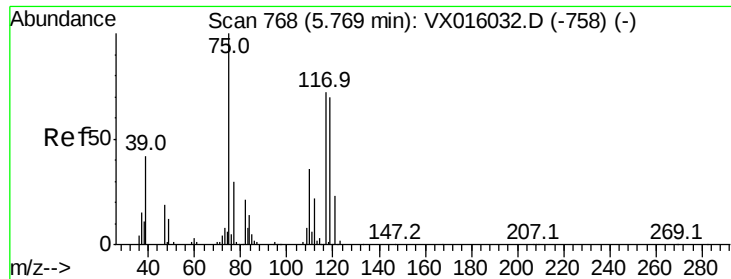


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200430

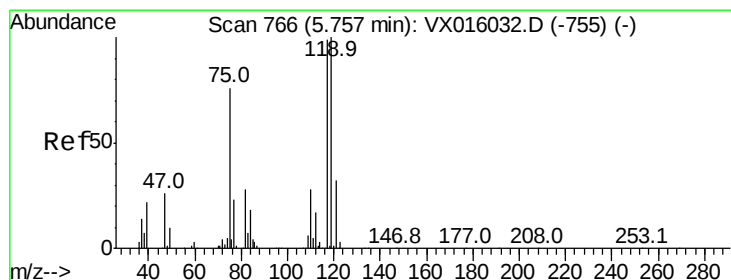
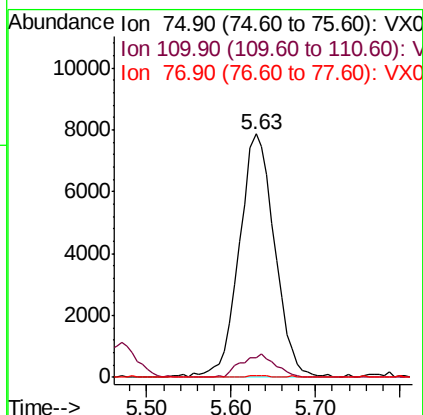
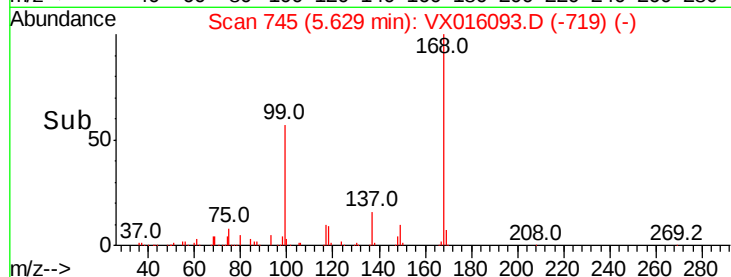
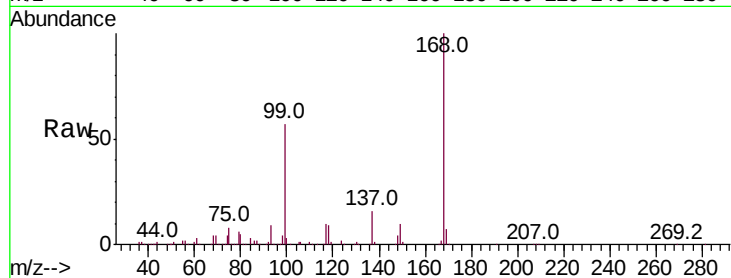
Tot Ion: 75 Resp: 22313

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

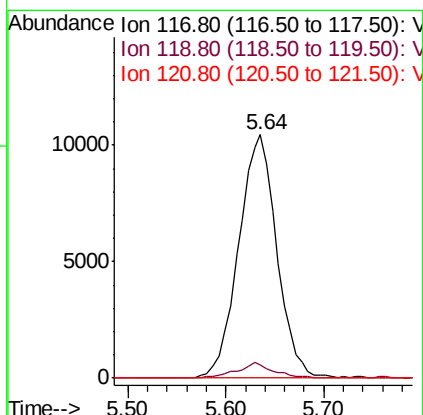
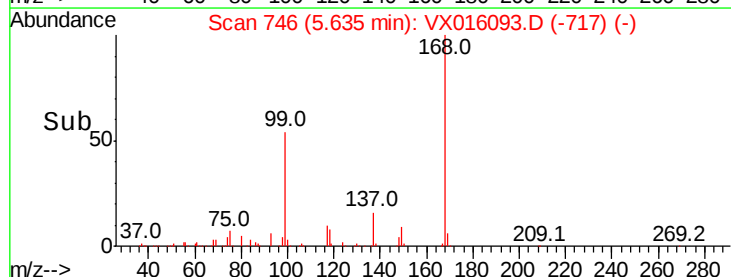
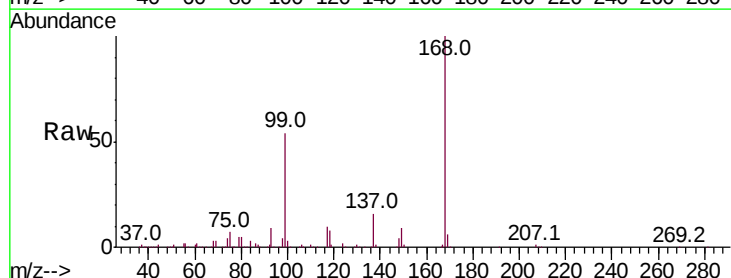
Tgt Ion: 117 Resp: 28253

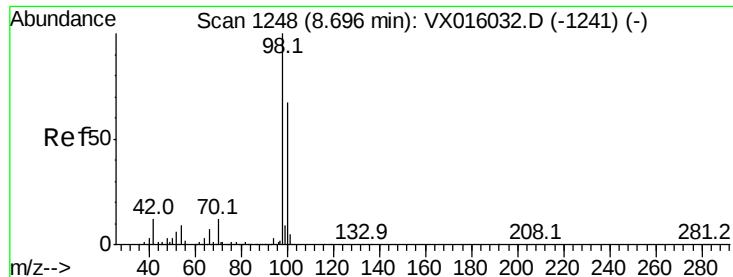
Ion Ratio Lower Upper

117 100

119 5.2 80.3 120.5#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 49.958 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

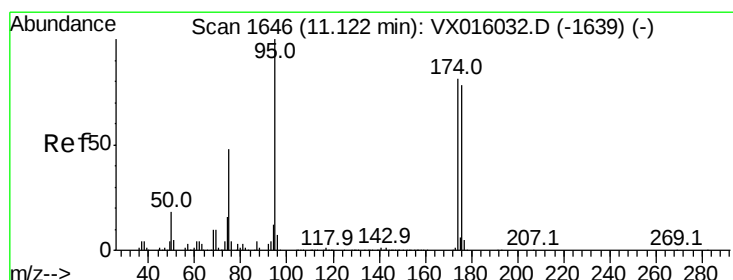
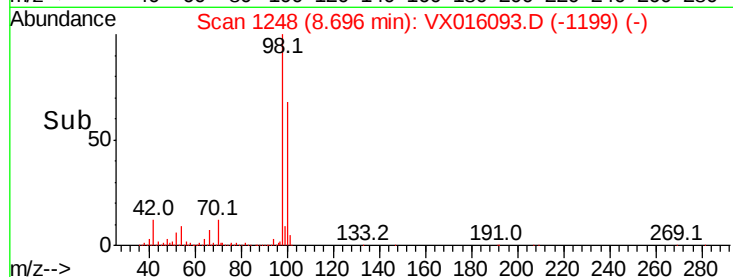
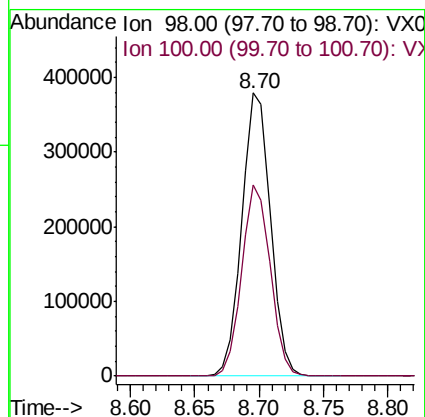
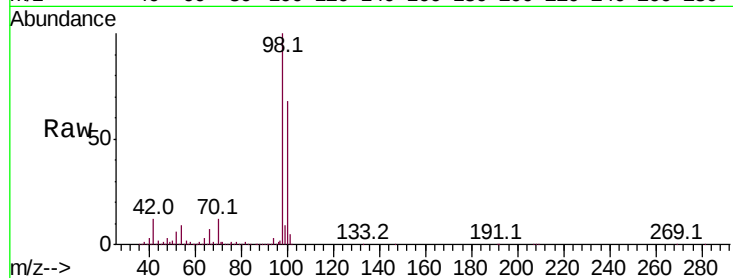
TB-01-200430

Tot Ion: 98 Resp: 581105

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 53.021 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

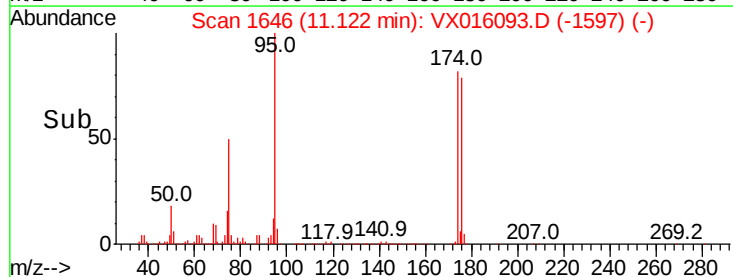
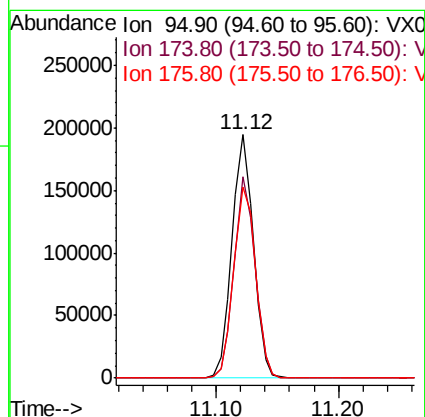
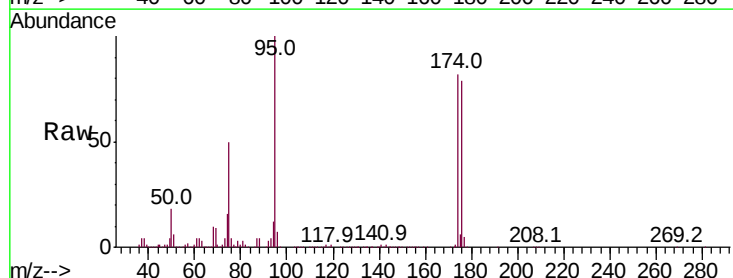
Tgt Ion: 95 Resp: 234574

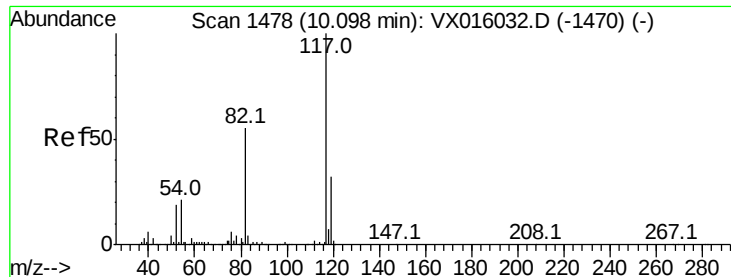
Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

176 80.7 0.0 157.6

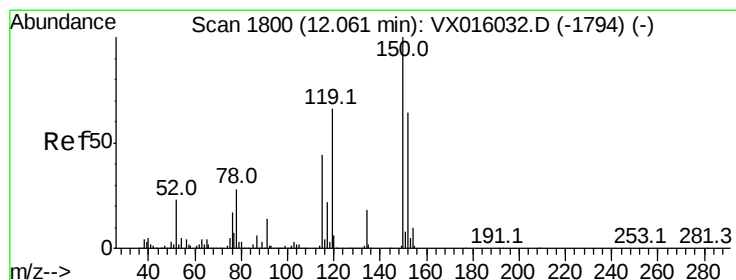
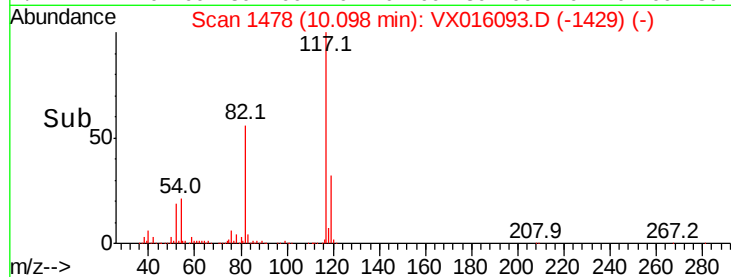
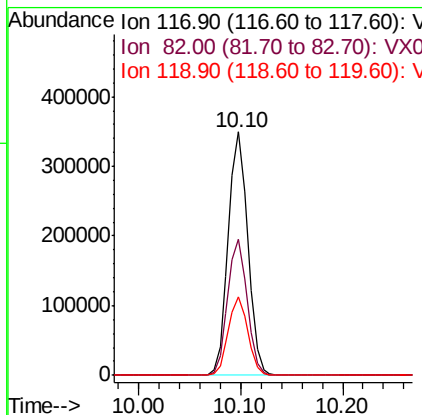
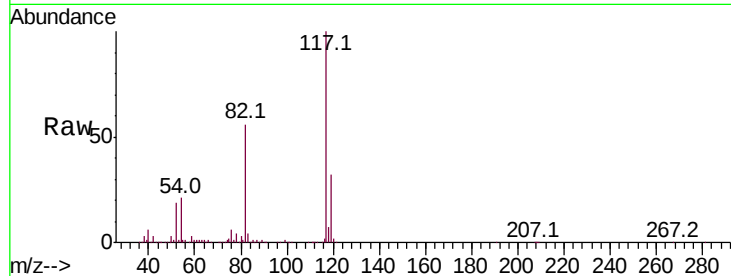




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016093.D
Acq: 07 May 2020 14:55

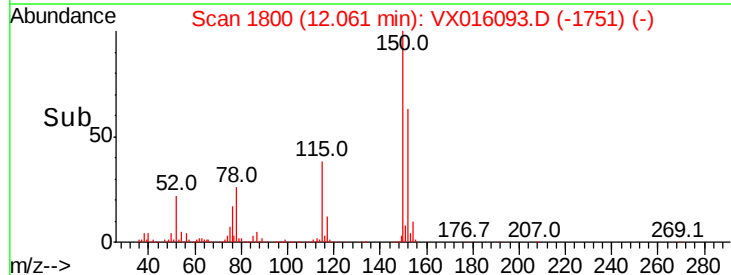
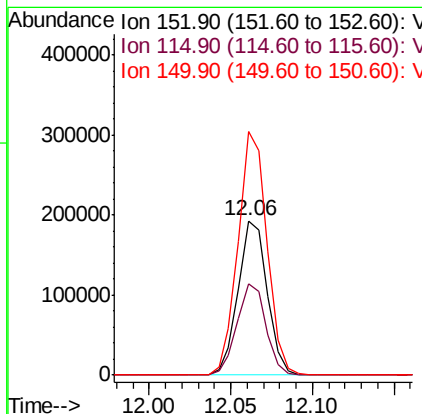
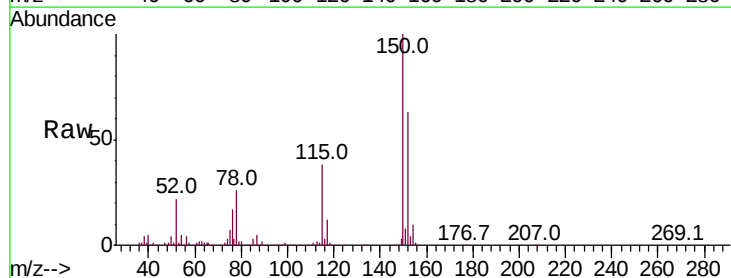
Instrument :
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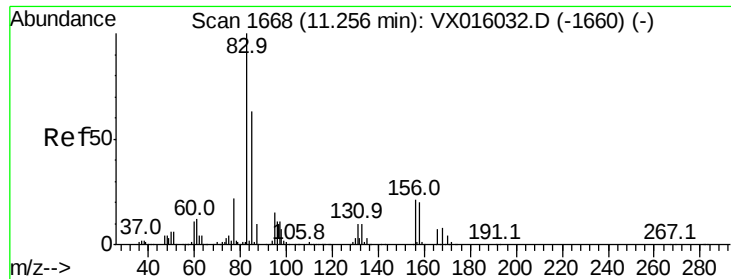
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.4	66.6
119	32.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016093.D
Acq: 07 May 2020 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	41.3	124.1
150	156.5	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.115 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200430

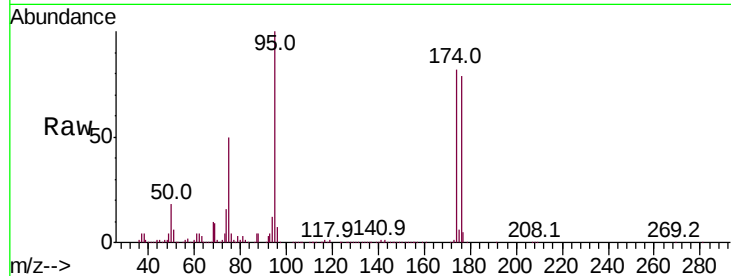
Tot Ion: 83 Resp: 216

Ion Ratio Lower Upper

83 100

131 163.9 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

400

300

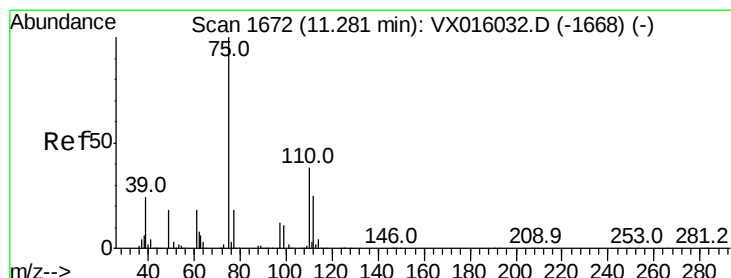
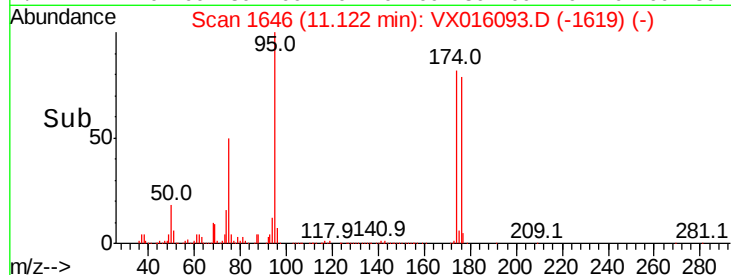
200

100

0

11.10 11.12 11.15

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.508 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016093.D

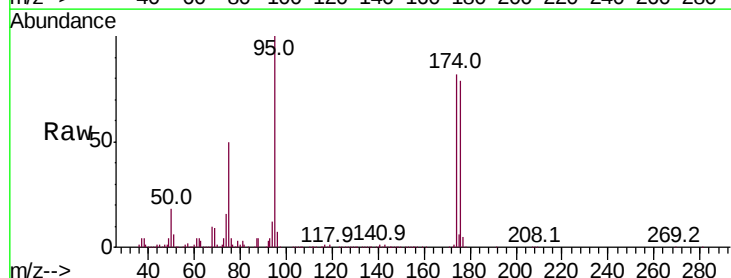
Acq: 07 May 2020 14:55

Tgt Ion: 75 Resp: 117462

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

100000

80000

60000

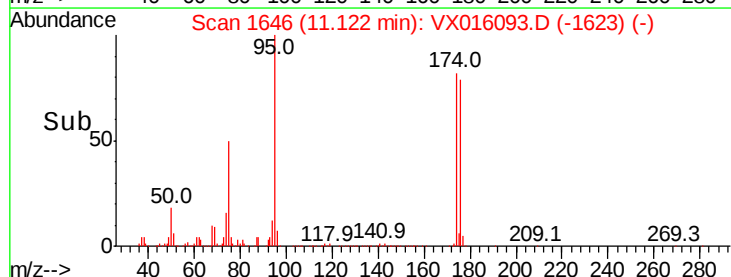
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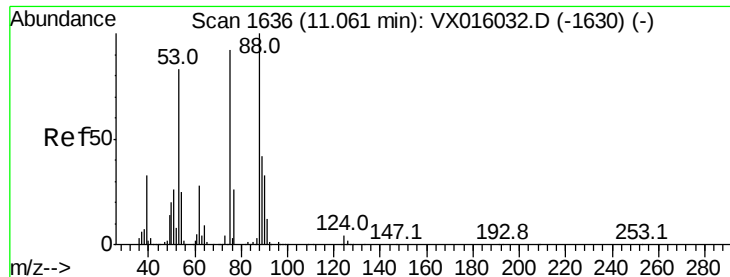
20000

0

11.10 11.12 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.254 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200430

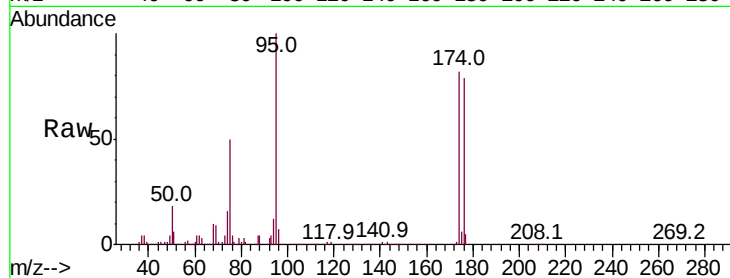
Tot Ion: 75 Resp: 117462

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

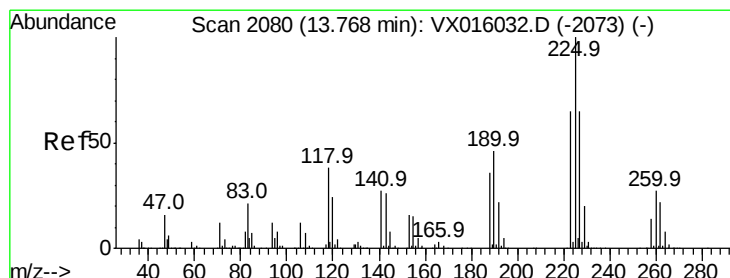
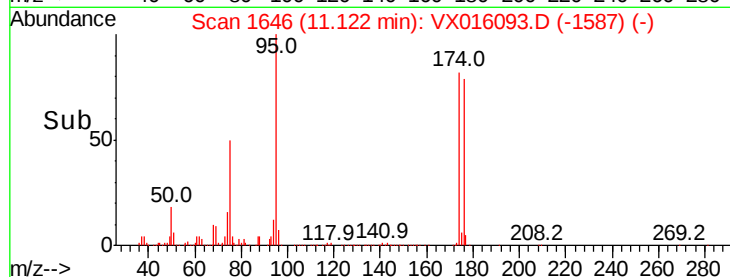
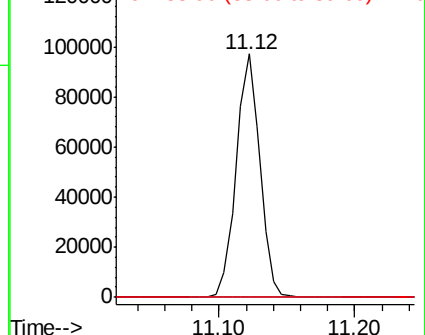
89 0.0 36.7 55.1#



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: 0.555 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016093.D

Acq: 07 May 2020 14:55

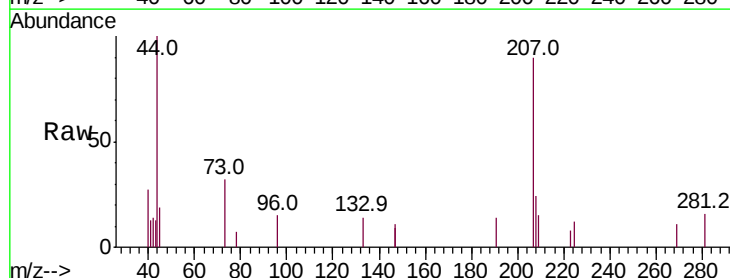
Tgt Ion: 225 Resp: 78

Ion Ratio Lower Upper

225 100

223 85.9 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

