

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016175.D
 Acq On : 13 May 2020 13:35
 Operator : JC/SP
 Sample : L2597-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW592-200511

Quant Time: May 14 04:26:58 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	281249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	458435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	459840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	233463	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	170640	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	5.47	113	137940	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	8.70	98	574774	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	230965	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	

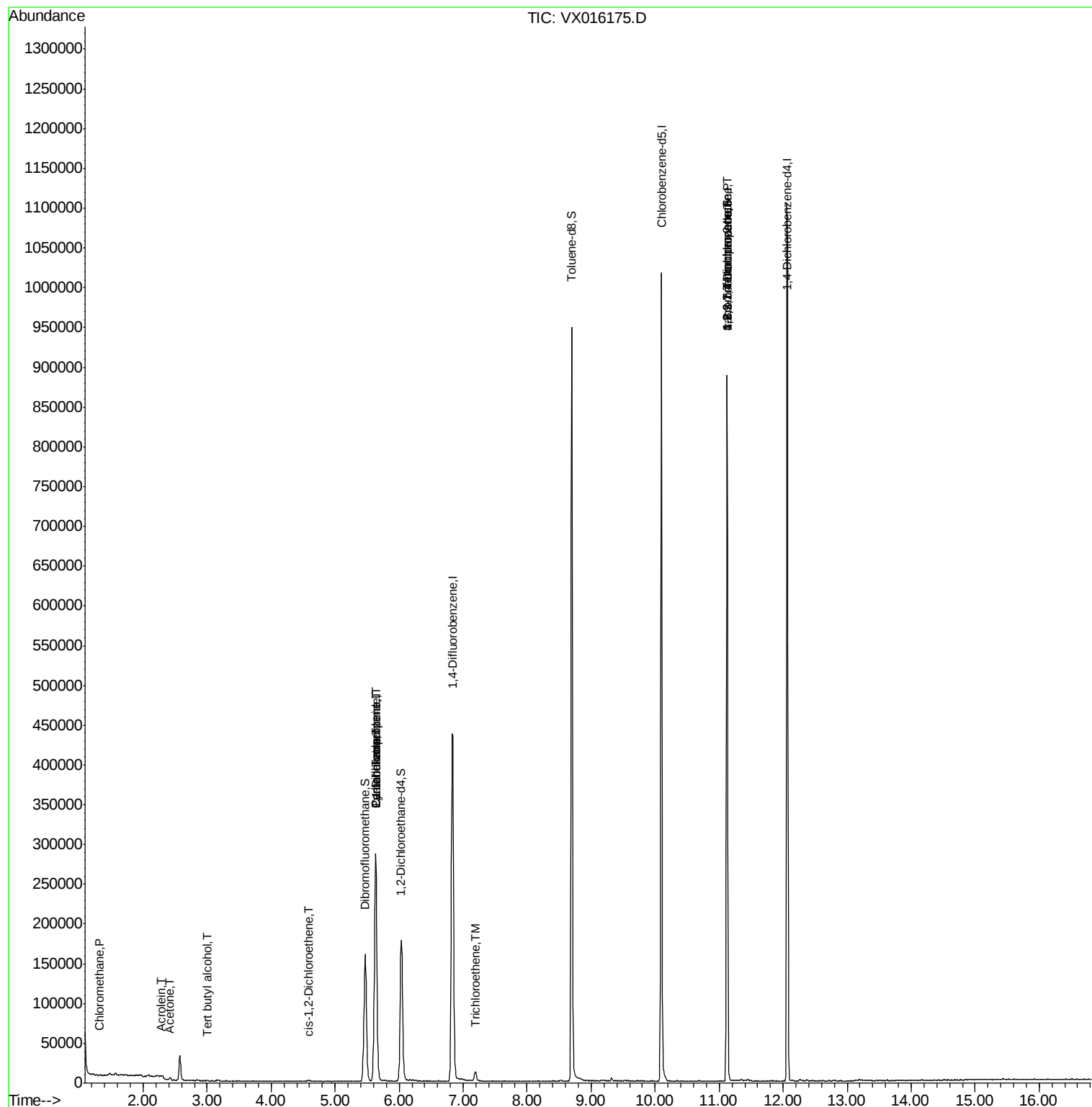
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	868	0.251	ug/l	98
11) Tert butyl alcohol	3.01	59	273	0.292	ug/l #	80
13) Acrolein	2.28	56	398	0.680	ug/l #	82
16) Acetone	2.42	43	3137	1.900	ug/l	97
17) Carbon Disulfide	2.56	76	1344	Below Cal	#	81
27) cis-1,2-Dichloroethene	4.57	96	937	0.263	ug/l	33
31) Cyclohexane	5.63	56	5388	1.048	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20351	4.510	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26948	5.875	ug/l #	14
44) Trichloroethene	7.19	130	4503	0.960	ug/l	87
75) 1,1,2,2-Tetrachloroethane	11.12	83	131	2.090	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114384	21.591	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	114384	51.452	ug/l #	13

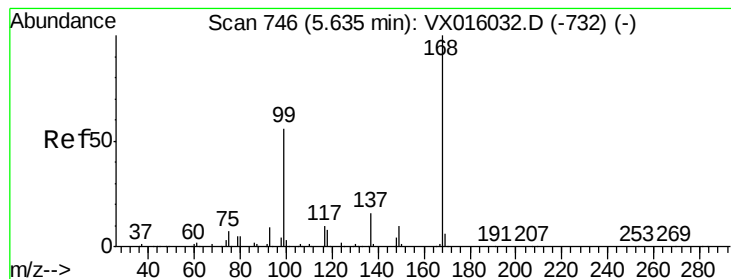
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

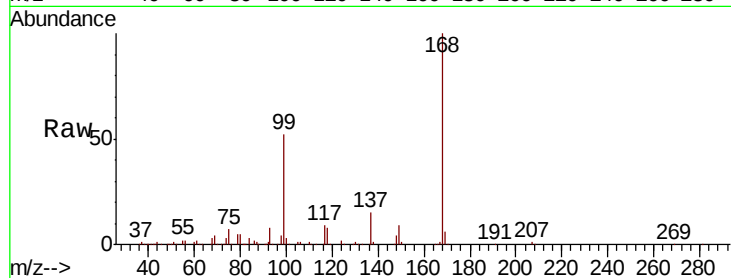
SS052MW592-200511

Tot Ion:168 Resp: 281249

Ion Ratio Lower Upper

168 100

99 52.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

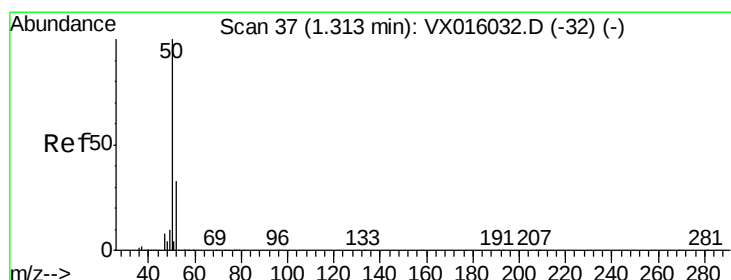
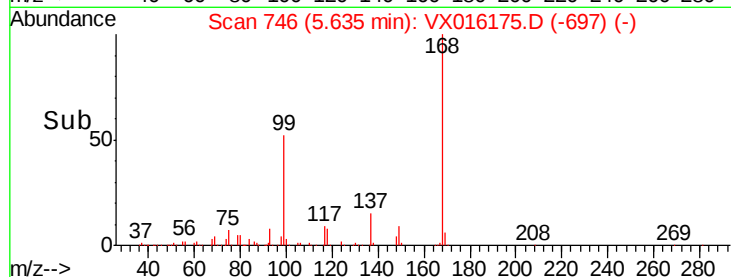
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016175.D

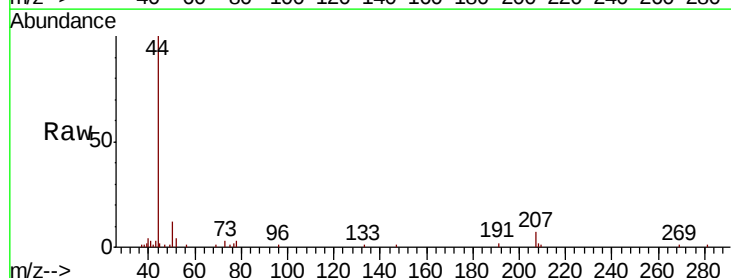
Acq: 13 May 2020 13:35

Tgt Ion: 50 Resp: 868

Ion Ratio Lower Upper

50 100

52 31.4 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

800

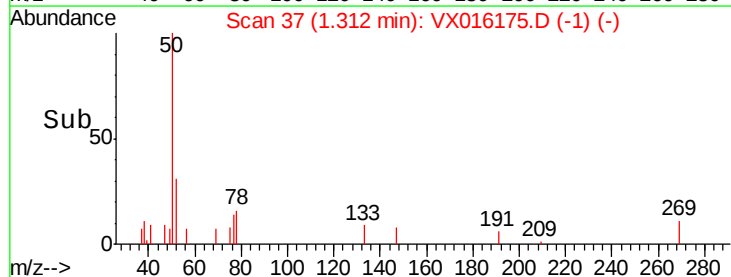
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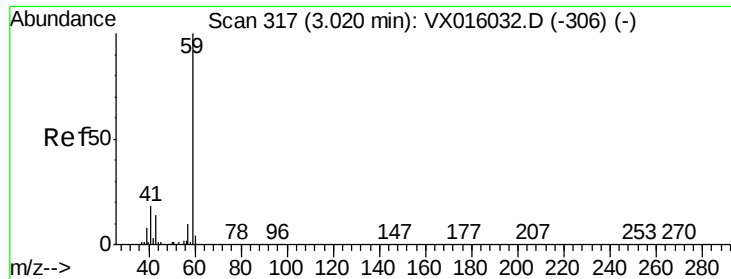
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200

0

Time-->



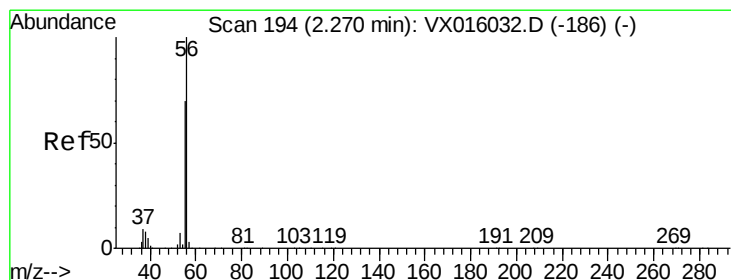
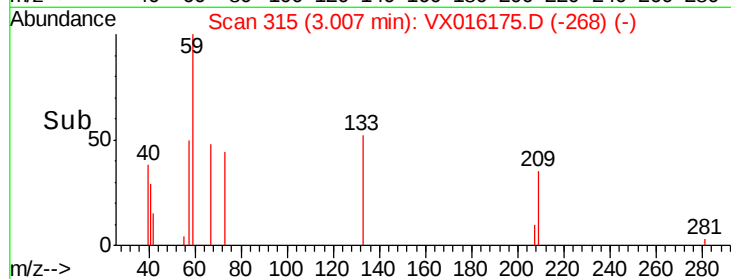
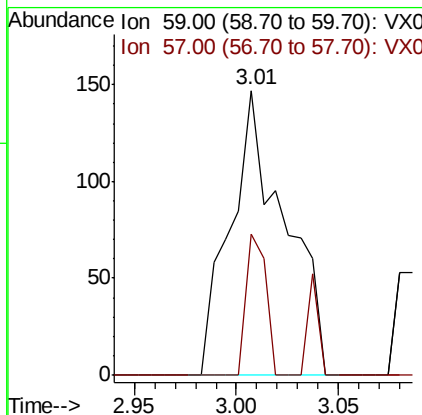
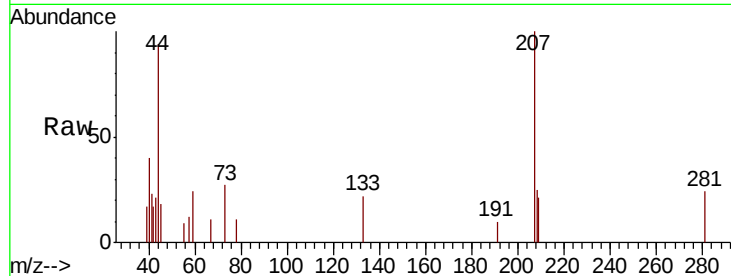


#11

Tert butyl alcohol
Concen: 0.292 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016175.D
Acq: 13 May 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
SS052MW592-200511

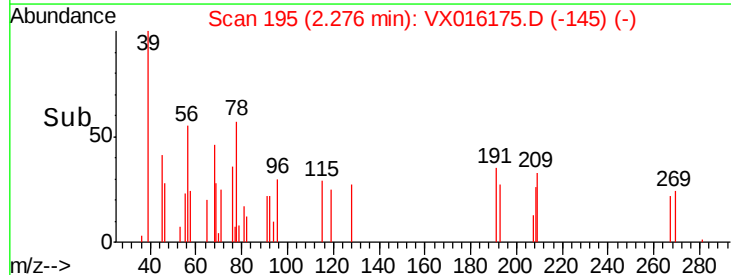
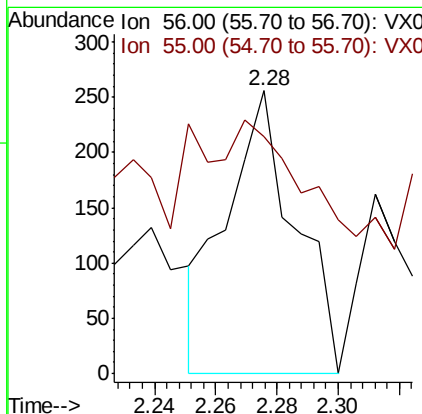
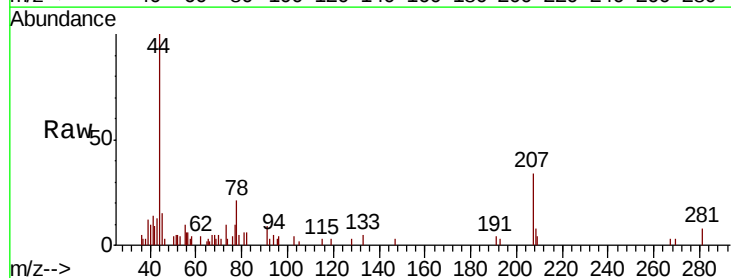
Tot Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 17.9 8.2 12.4#

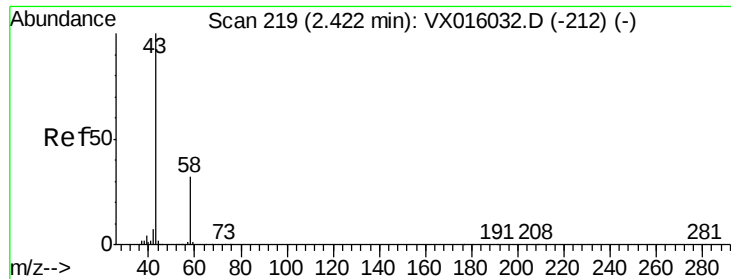


#13

Acrolein
Concen: 0.680 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016175.D
Acq: 13 May 2020 13:35

Tgt Ion: 56 Resp: 398
Ion Ratio Lower Upper
56 100
55 55.5 56.5 84.7#





#16

Acetone

Concen: 1.900 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

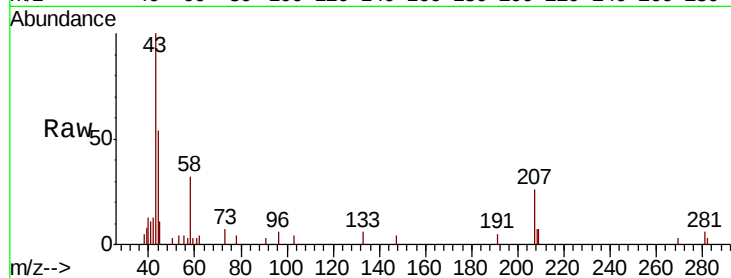
SS052MW592-200511

Tot Ion: 43 Resp: 3137

Ion Ratio Lower Upper

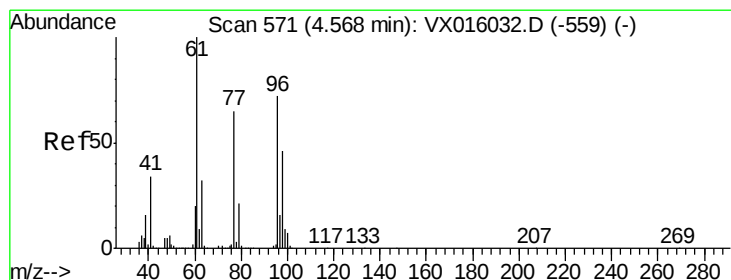
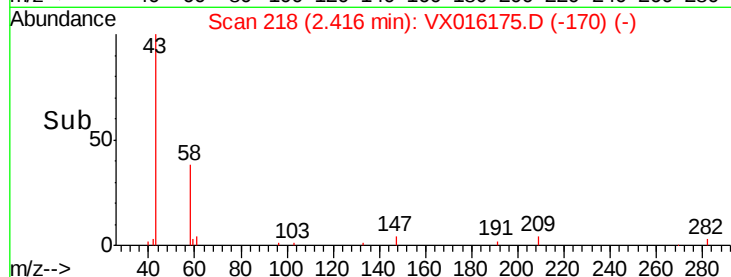
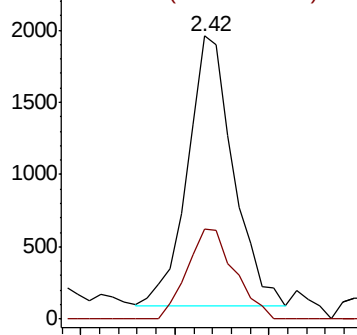
43 100

58 33.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.263 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

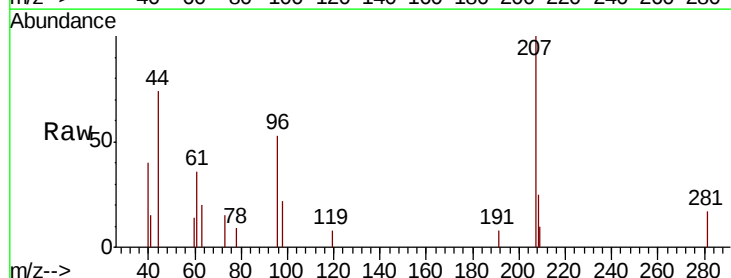
Tgt Ion: 96 Resp: 937

Ion Ratio Lower Upper

96 100

61 38.7 0.0 296.2

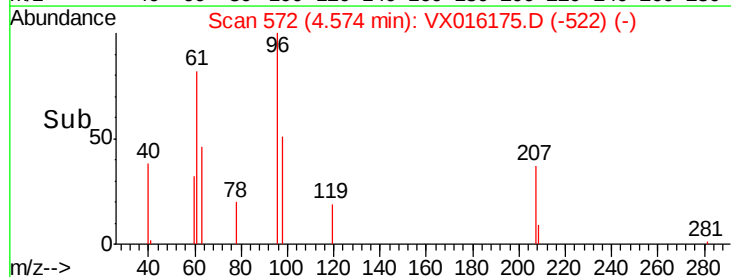
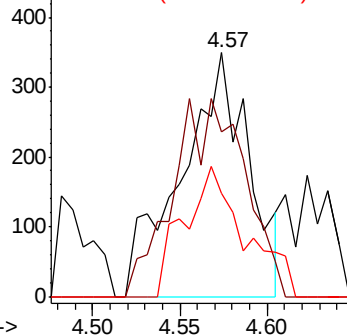
98 48.5 0.0 129.4

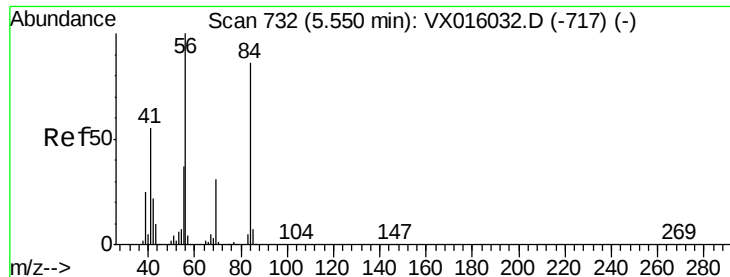


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

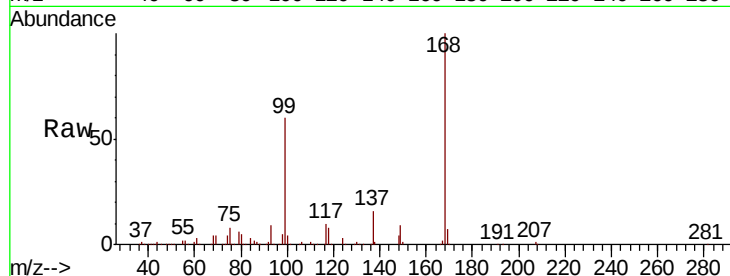




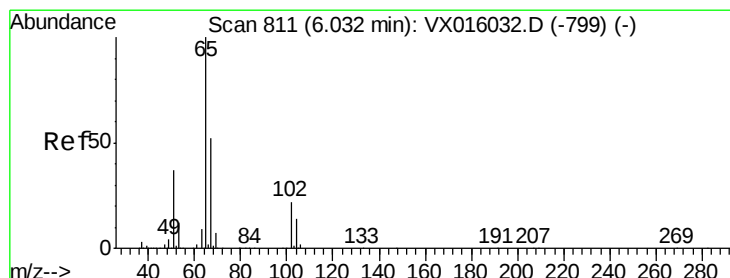
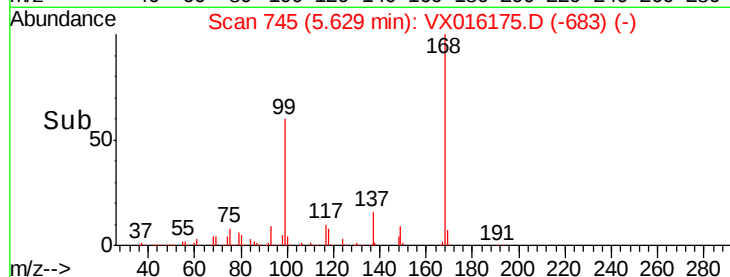
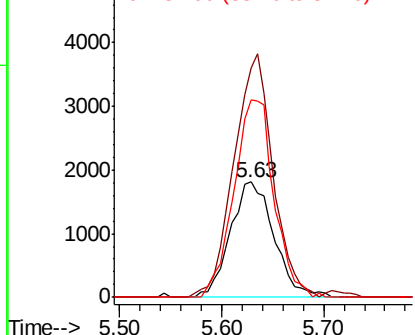
#31
Cvclohexane
Concen: 1.048 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016175.D
Acq: 13 May 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
SS052MW592-200511

Tot Ion: 56 Resp: 5388
Ion Ratio Lower Upper
56 100
69 198.4 25.0 37.6#
84 171.1 69.0 103.6#

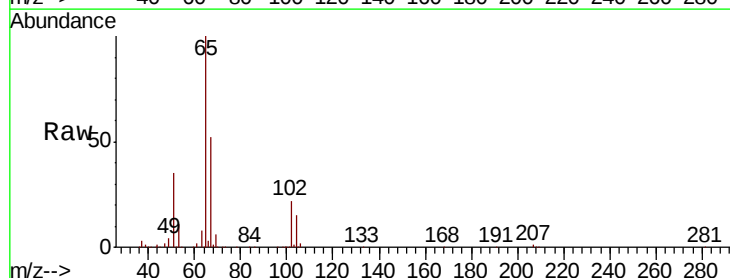


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

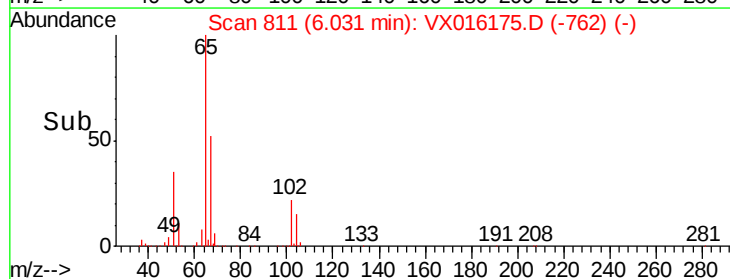
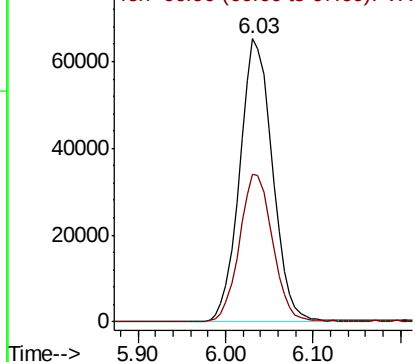


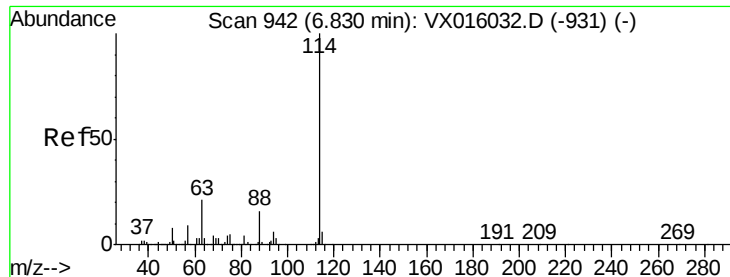
#33
1,2-Dichloroethane-d4
Concen: 46.107 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016175.D
Acq: 13 May 2020 13:35

Tgt Ion: 65 Resp: 170640
Ion Ratio Lower Upper
65 100
67 52.9 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: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

SS052MW592-200511

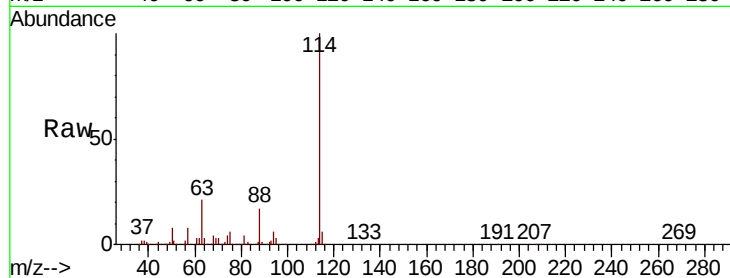
Tot Ion:114 Resp: 458435

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

88 16.7 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

250000

200000

150000

100000

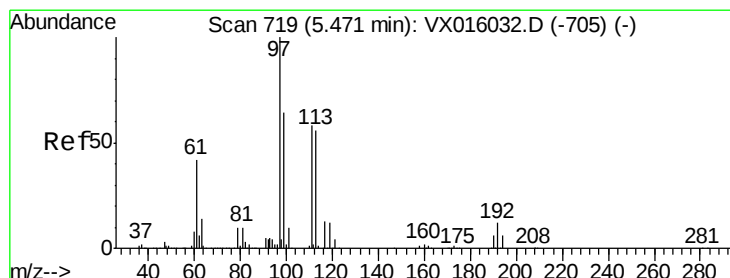
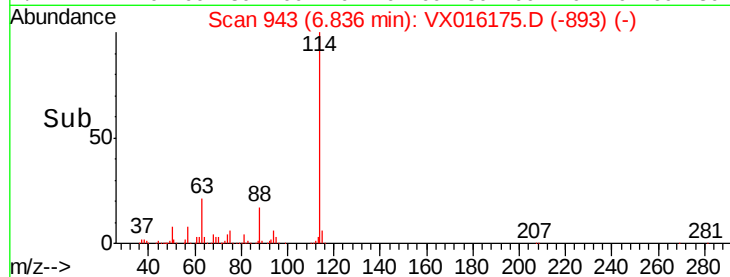
50000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.494 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

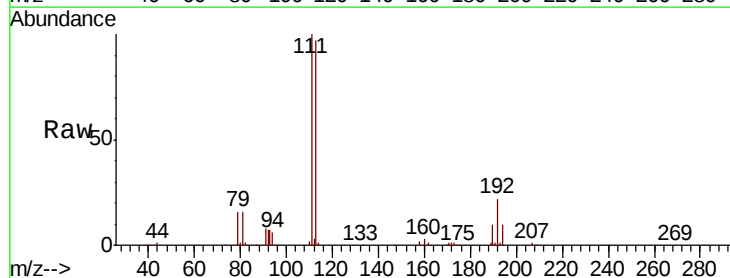
Tgt Ion:113 Resp: 137940

Ion Ratio Lower Upper

113 100

111 101.9 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

60000

40000

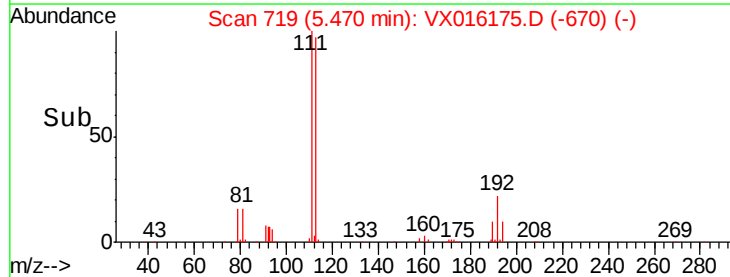
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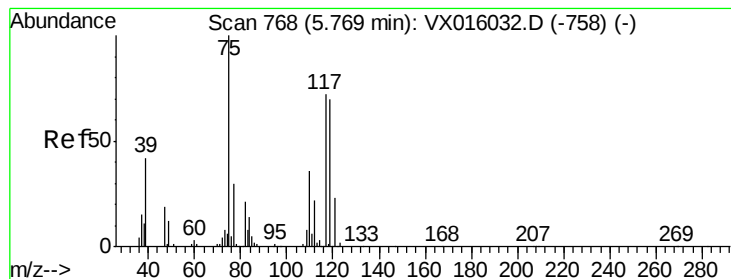
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5.47

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

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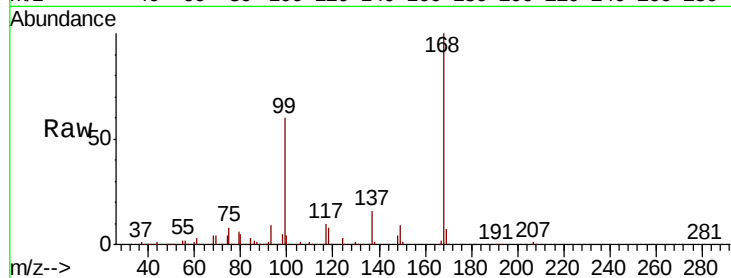
Tot Ion: 75 Resp: 20351

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

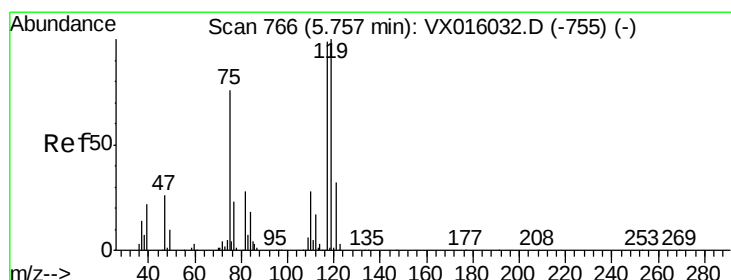
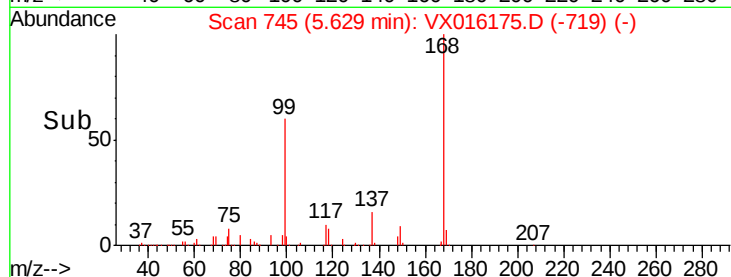
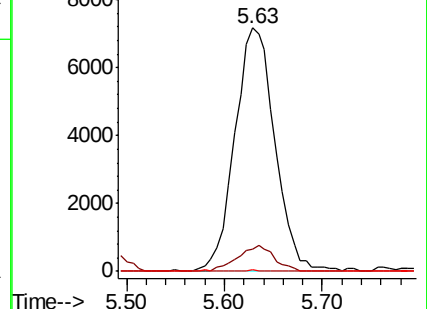
77 0.1 25.0 37.6#



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: 5.875 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

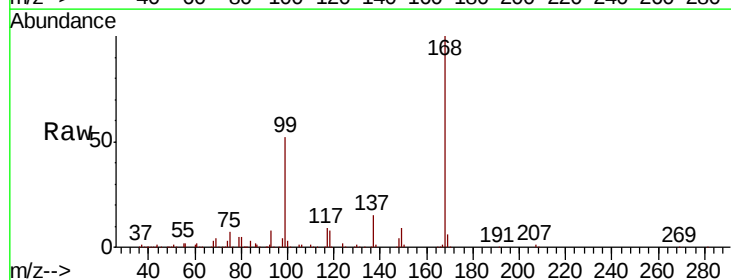
Tgt Ion: 117 Resp: 26948

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

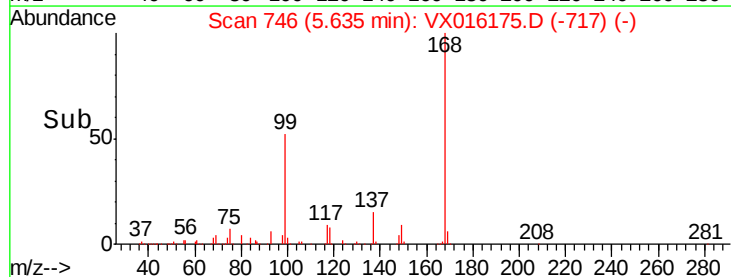
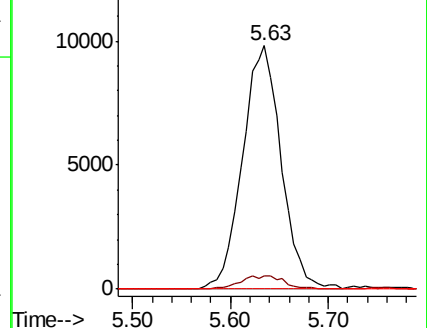
121 0.0 25.7 38.5#

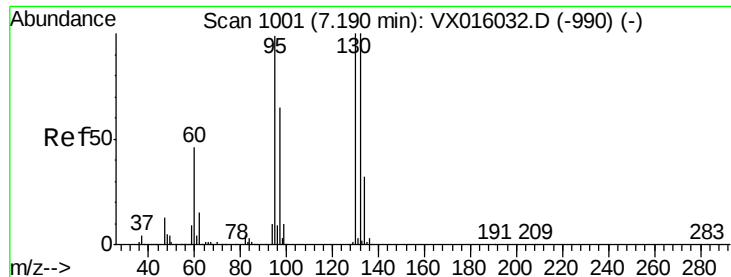


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.960 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

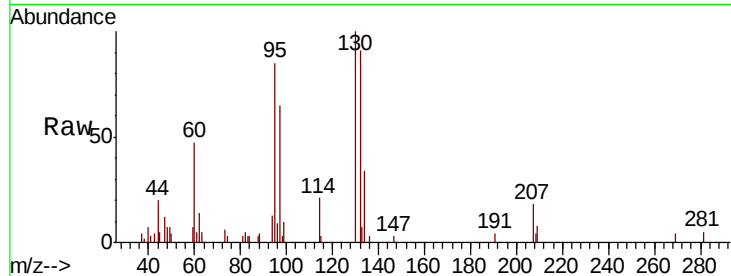
SS052MW592-200511

Tot Ion:130 Resp: 4503

Ion Ratio Lower Upper

130 100

95 85.3 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

2500

2000

1500

1000

500

0

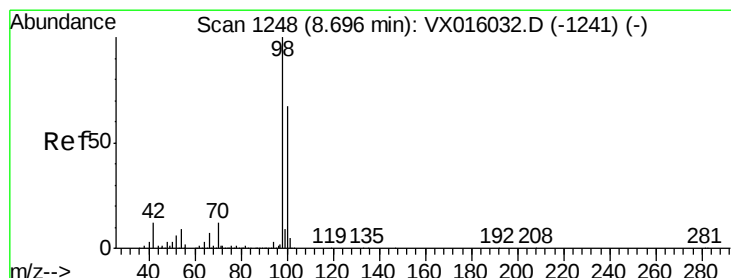
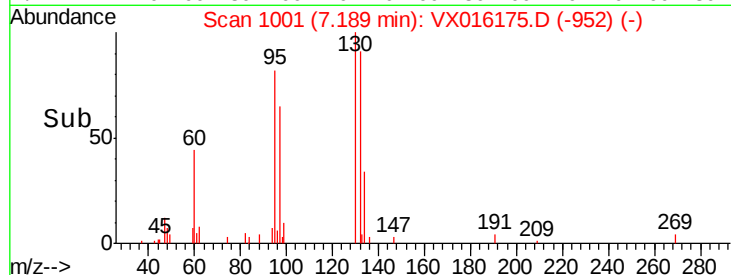
Time-->

7.10

7.15

7.20

7.25



#50

Toluene-d8

Concen: 51.361 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016175.D

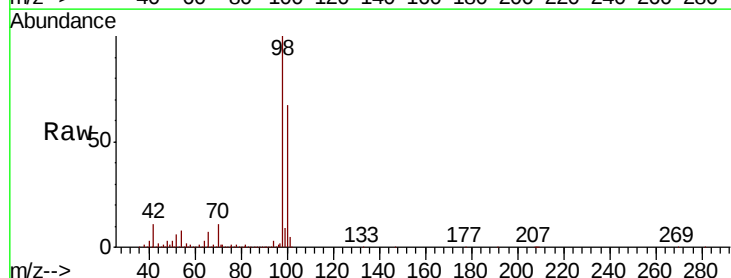
Acq: 13 May 2020 13:35

Tgt Ion: 98 Resp: 574774

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

400000

300000

200000

100000

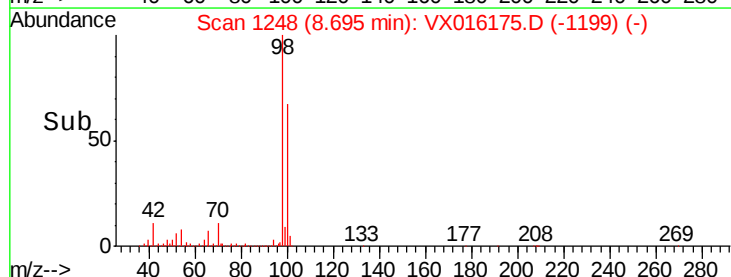
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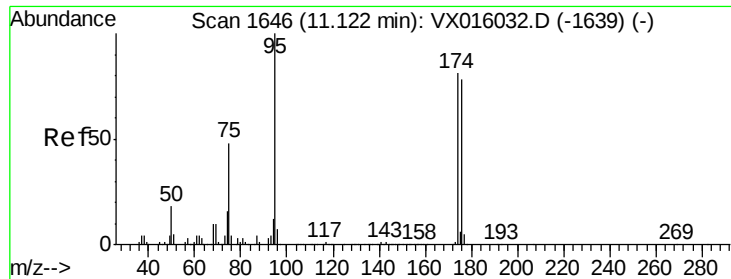
Time-->

8.60

8.70

8.80





#62

4-Bromofluorobenzene

Concen: 54.262 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

SS052MW592-200511

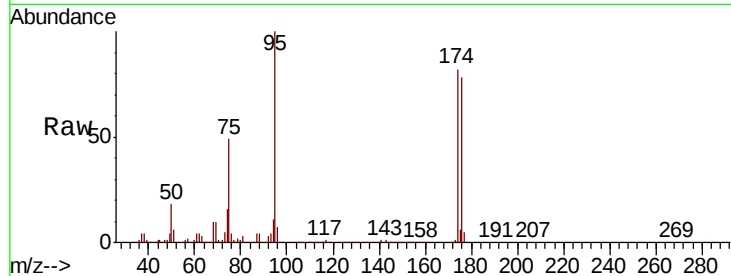
Tot Ion: 95 Resp: 230965

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.4

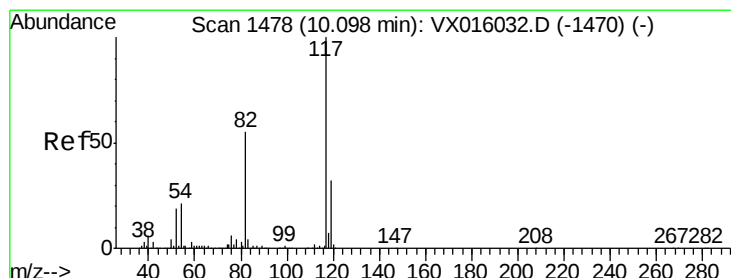
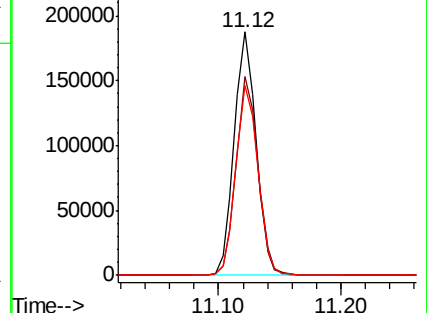
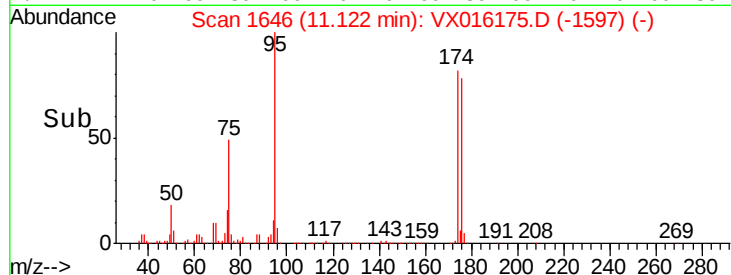
176 79.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016175.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016175.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016175.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

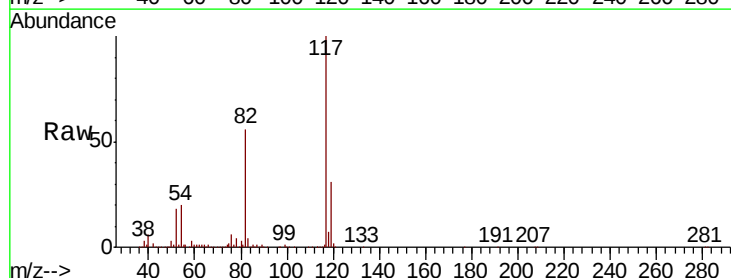
Tgt Ion: 117 Resp: 459840

Ion Ratio Lower Upper

117 100

82 55.9 44.4 66.6

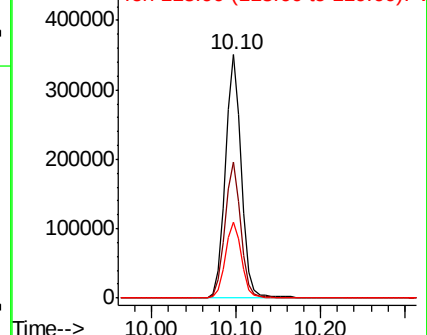
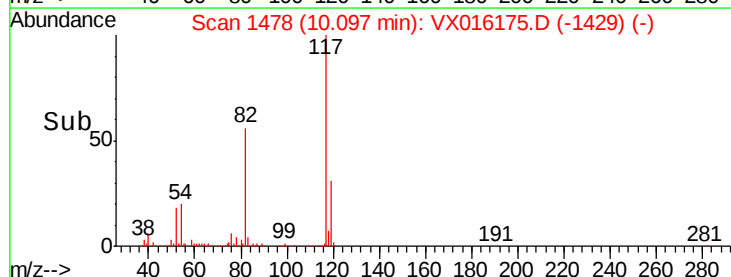
119 31.0 25.5 38.3

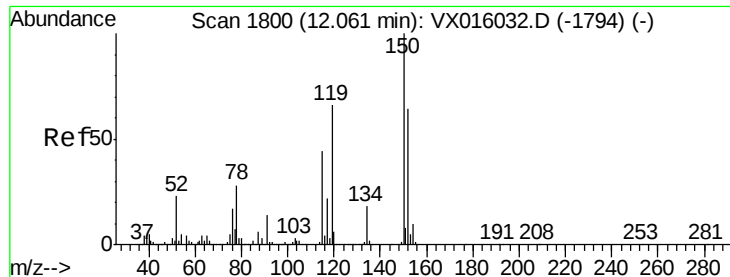


Abundance Ion 116.90 (116.60 to 117.60): VX016175.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016175.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016175.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

SS052MW592-200511

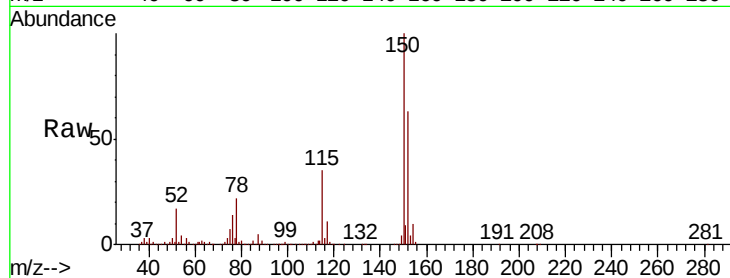
Tot Ion:152 Resp: 233463

Ion Ratio Lower Upper

152 100

115 59.0 41.3 124.1

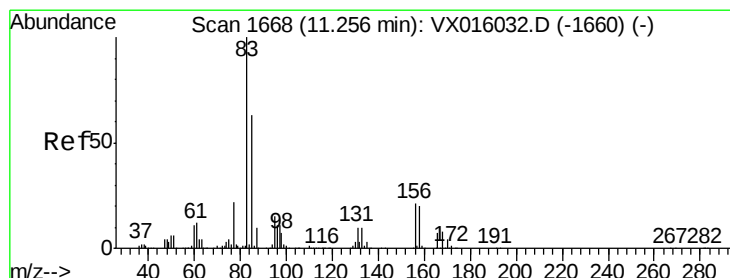
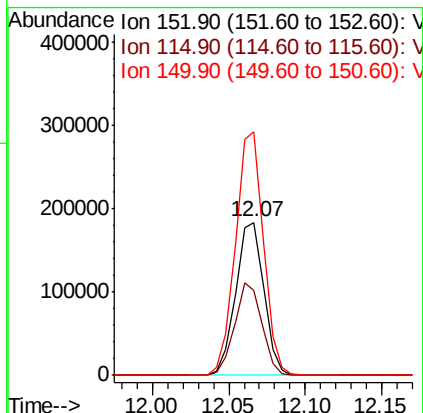
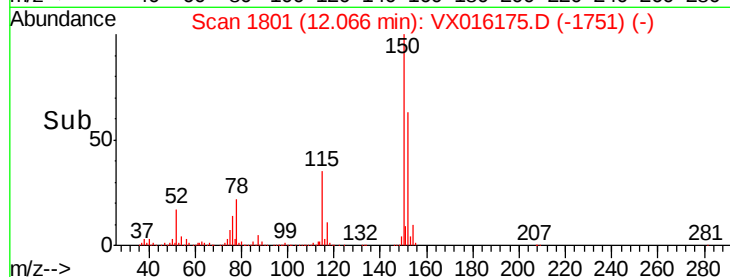
150 158.2 0.0 352.2



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: 2.090 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

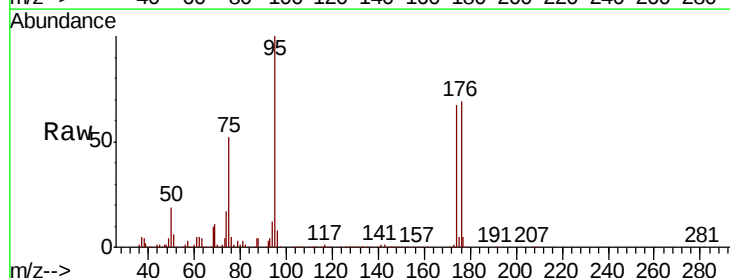
Tgt Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

131 248.9 5.1 15.4#

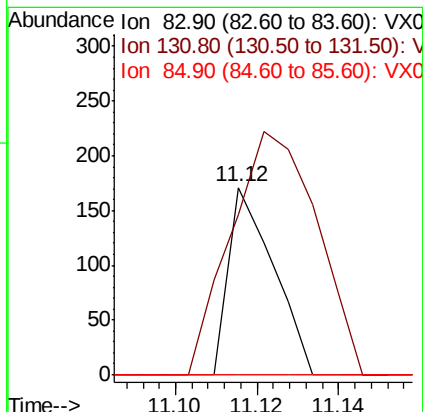
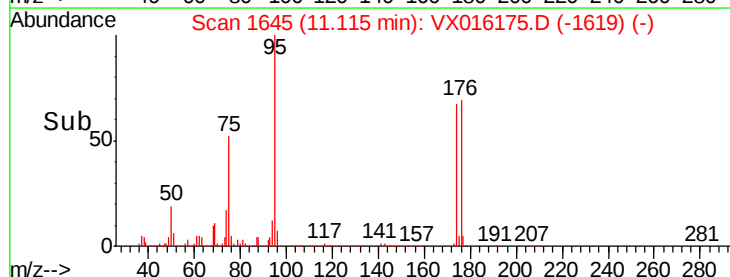
85 0.0 32.0 96.0#

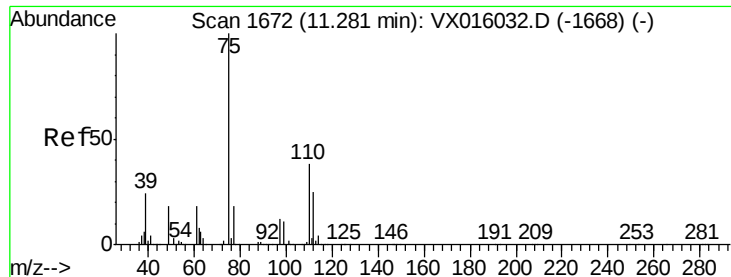


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.591 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

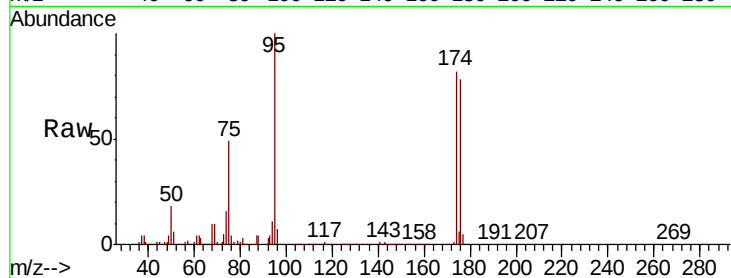
SS052MW592-200511

Tot Ion: 75 Resp: 114384

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

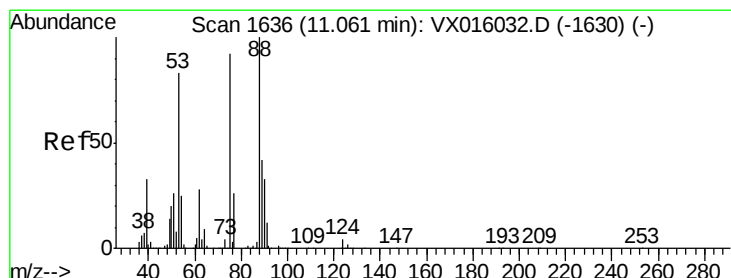
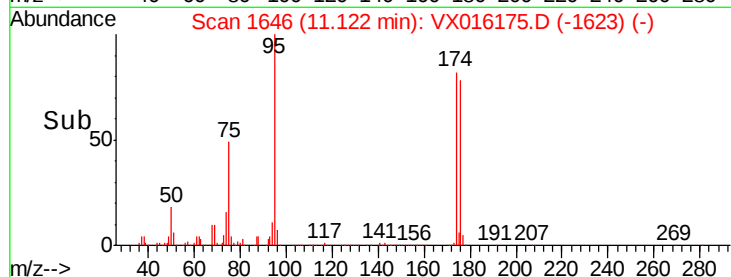
60000

40000

20000

0

Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 51.452 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016175.D

Acq: 13 May 2020 13:35

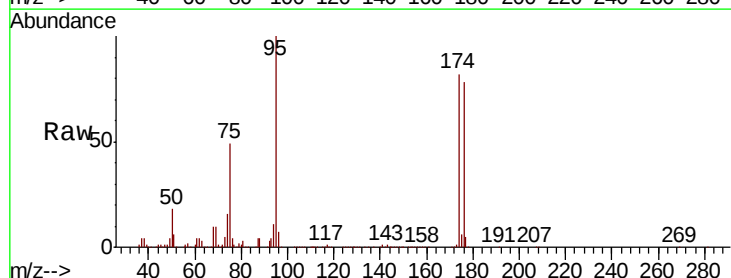
Tgt Ion: 75 Resp: 114384

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

120000

100000

80000

60000

40000

20000

0

Time--> 11.00 11.10 11.20

