

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051920\
 Data File : VX016335.D
 Acq On : 19 May 2020 15:28
 Operator : JC/SP
 Sample : L2672-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW174-200514

Quant Time: May 20 03:47:53 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	232396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	380717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194179	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	137099	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
35) Dibromofluoromethane	5.47	113	110206	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	8.70	98	472802	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.12	95	190867	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	

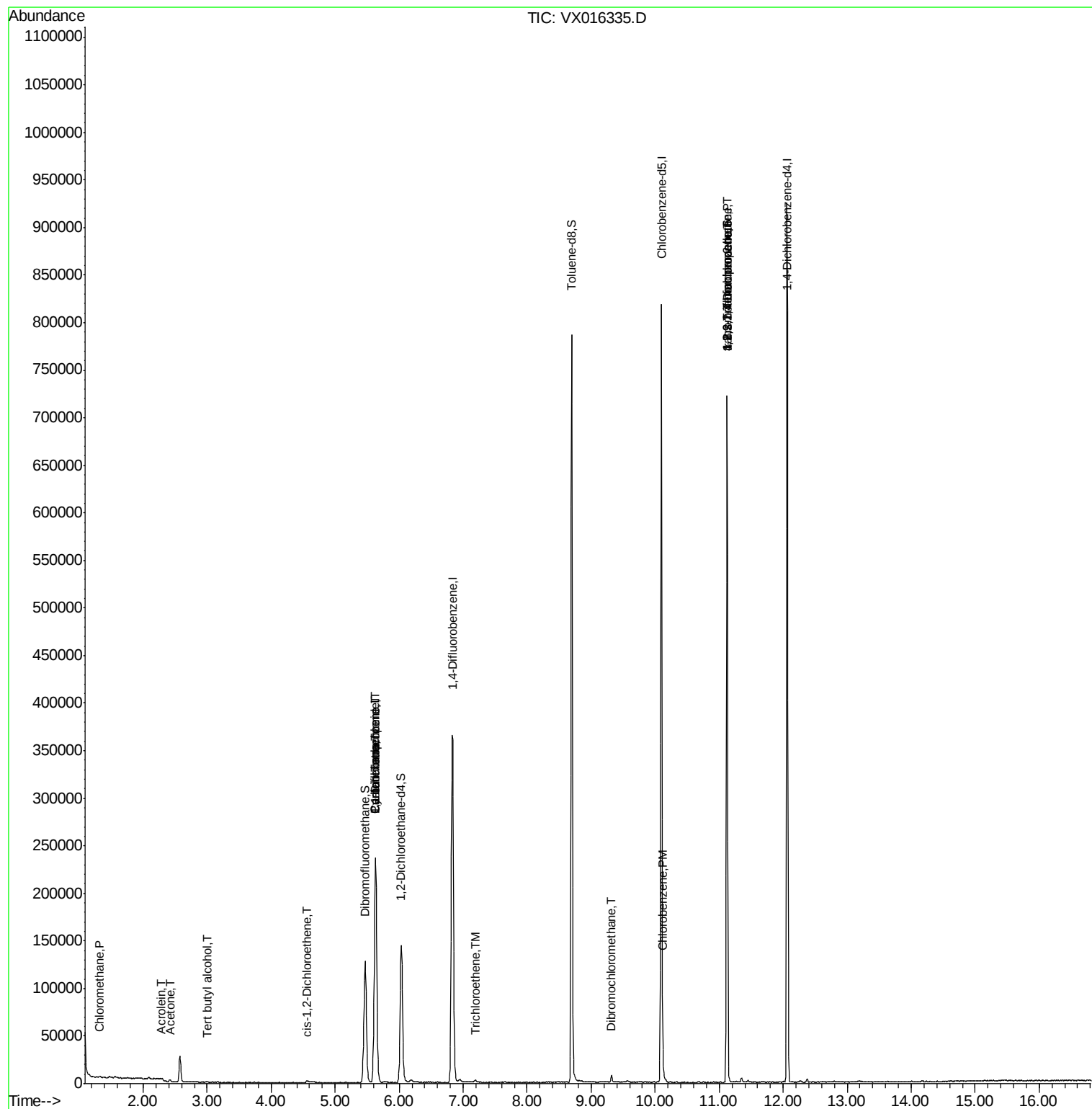
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	844	0.295	ug/l	93
11) Tert butyl alcohol	3.00	59	181	0.234	ug/l #	72
13) Acrolein	2.28	56	316	0.653	ug/l #	1
16) Acetone	2.42	43	2217	1.625	ug/l #	87
17) Carbon Disulfide	2.55	76	833	Below Cal	#	92
27) cis-1,2-Dichloroethene	4.56	96	1244	0.423	ug/l	63
31) Cyclohexane	5.63	56	3910	0.920	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	16569	4.421	ug/l #	49
38) Carbon Tetrachloride	5.64	117	22422	5.886	ug/l #	14
44) Trichloroethene	7.19	130	860	0.221	ug/l	97
60) Dibromochloromethane	9.32	129	791	0.267	ug/l #	11
65) Chlorobenzene	10.12	112	4426	0.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.12	83	132	2.099	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	90344	20.503	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	90344	48.860	ug/l #	13

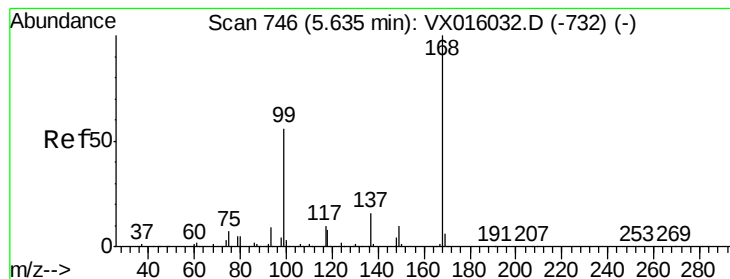
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

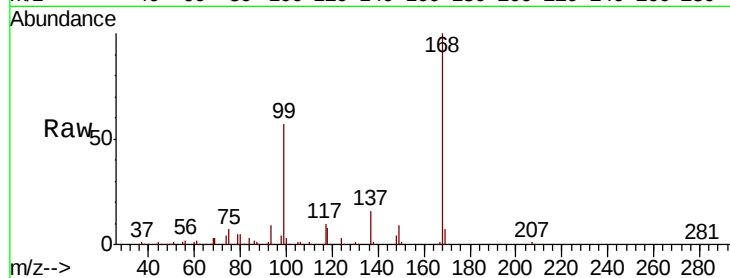
WP021MW174-200514

Tot Ion:168 Resp: 232396

Ion Ratio Lower Upper

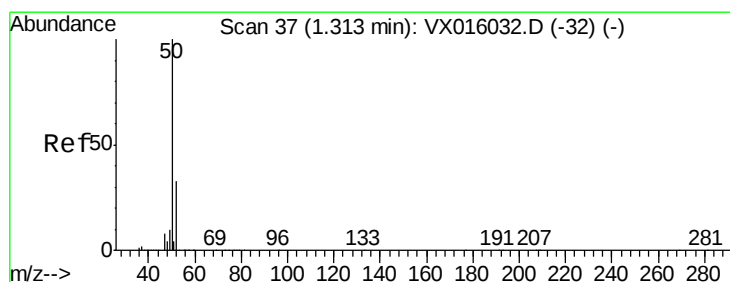
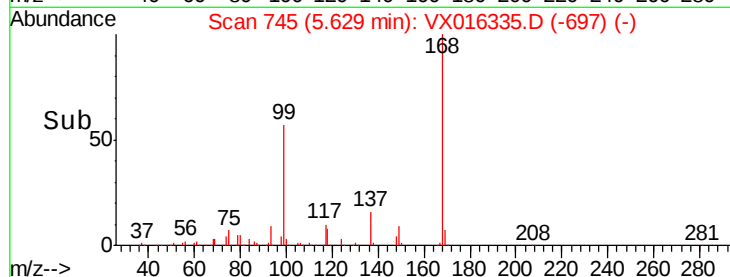
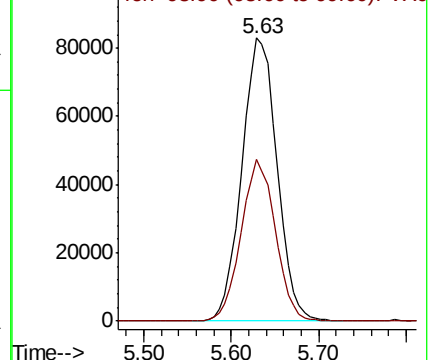
168 100

99 57.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016335.D

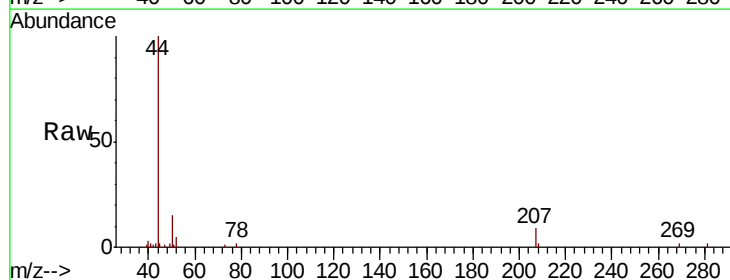
Acq: 19 May 2020 15:28

Tgt Ion: 50 Resp: 844

Ion Ratio Lower Upper

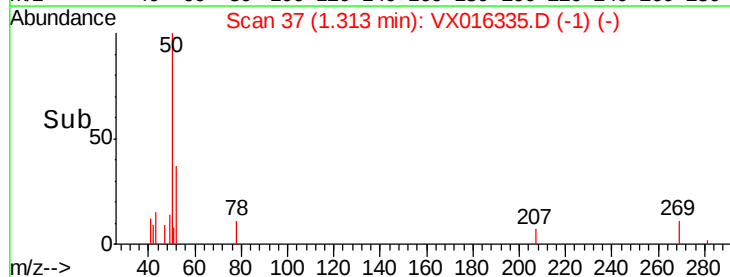
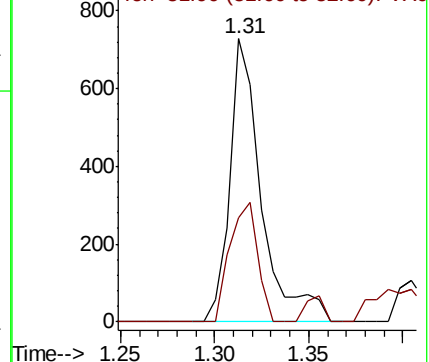
50 100

52 36.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

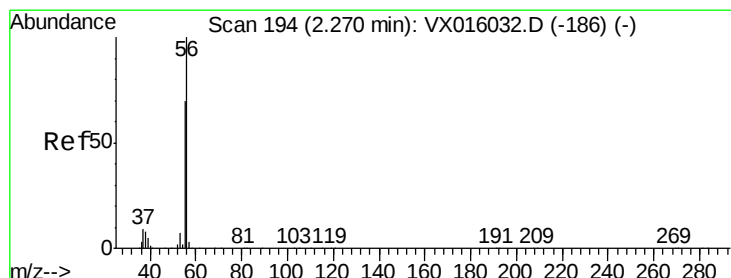
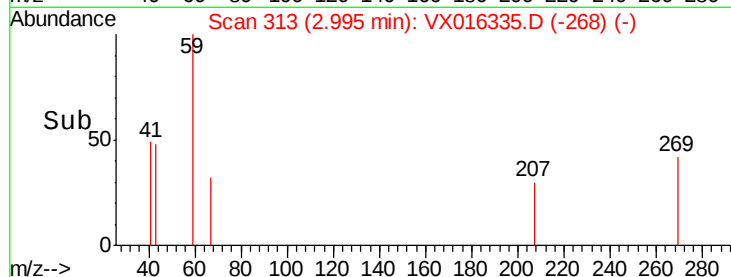
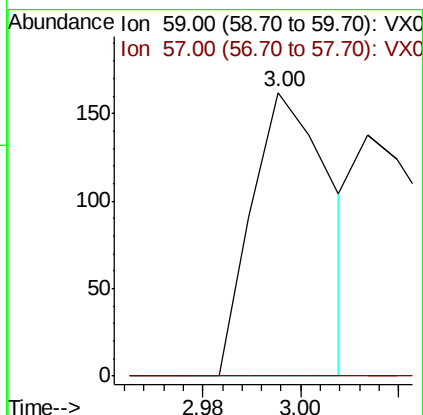
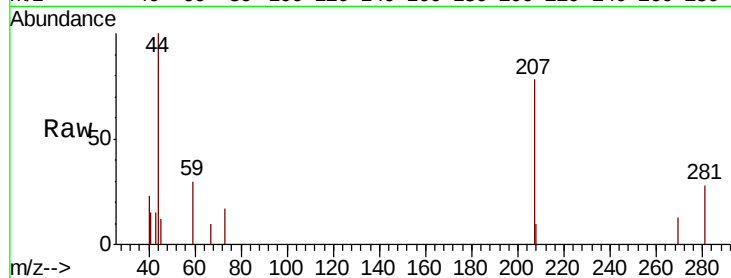




#11
Tert butyl alcohol
Concen: 0.234 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

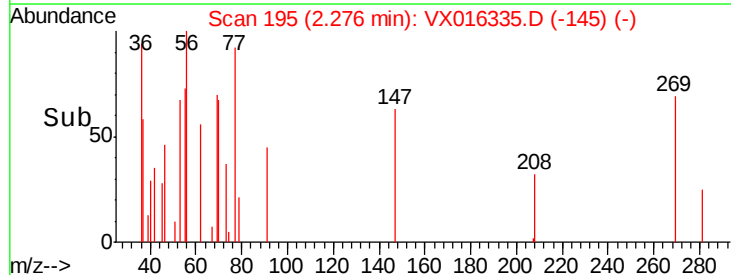
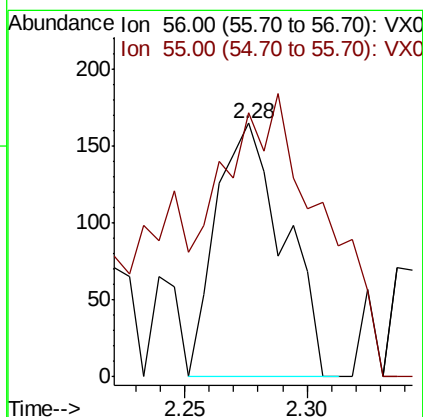
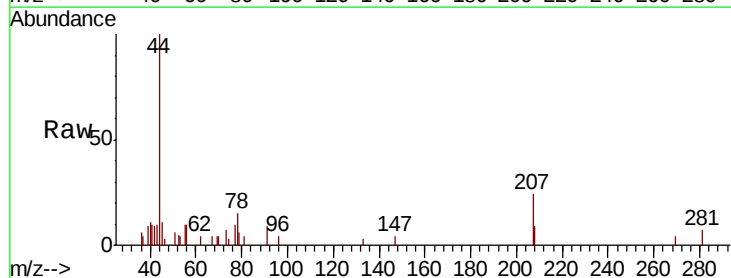
Instrument :
MSVOA_X
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WP021MW174-200514

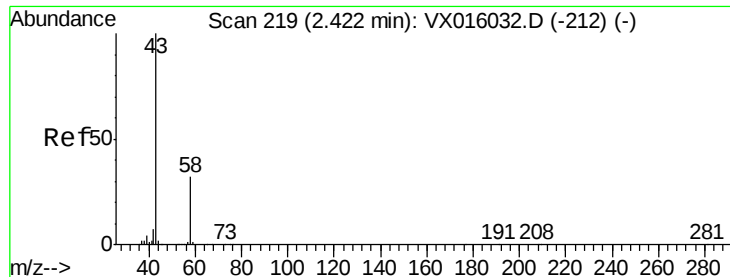
Tot Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.653 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

Tgt Ion: 56 Resp: 316
Ion Ratio Lower Upper
56 100
55 168.0 56.5 84.7#





#16

Acetone

Concen: 1.625 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

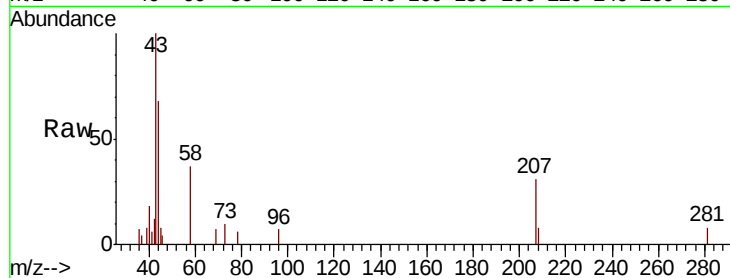
WP021MW174-200514

Tot Ion: 43 Resp: 2217

Ion Ratio Lower Upper

43 100

58 38.8 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

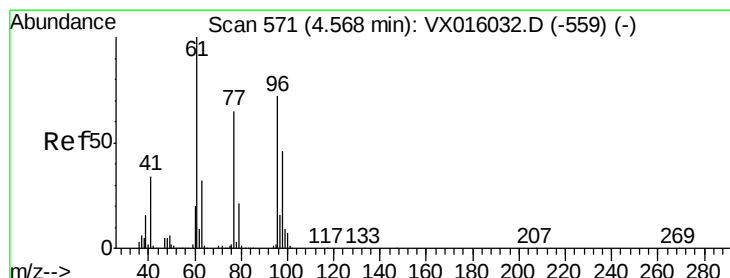
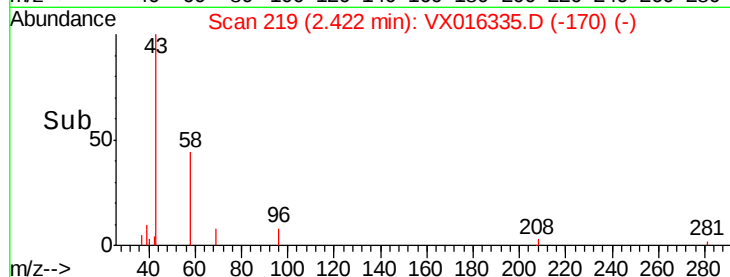
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#27

cis-1,2-Dichloroethene

Concen: 0.423 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

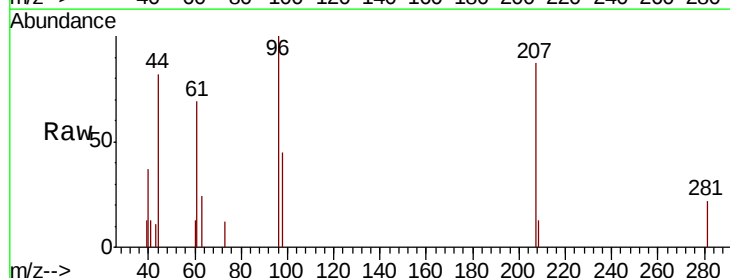
Tgt Ion: 96 Resp: 1244

Ion Ratio Lower Upper

96 100

61 92.2 0.0 296.2

98 49.0 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

600

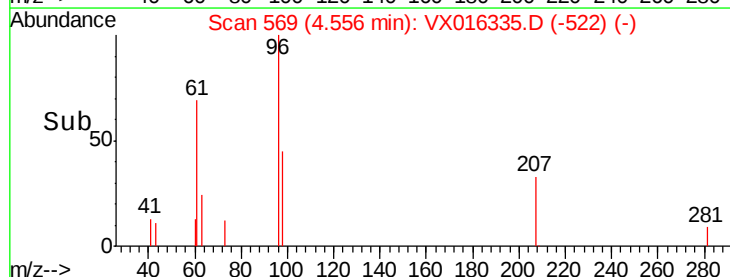
400

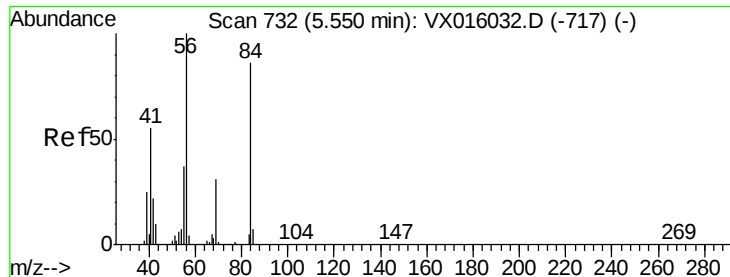
200

0

Time-->

4.50 4.55 4.60 4.65

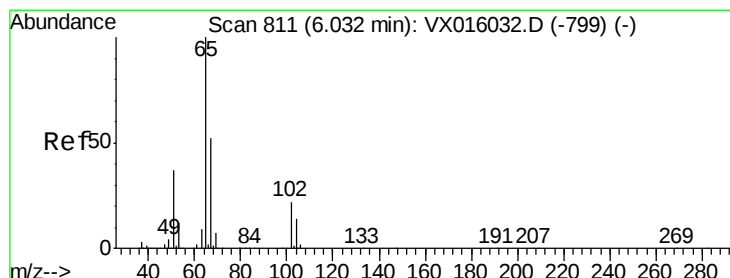
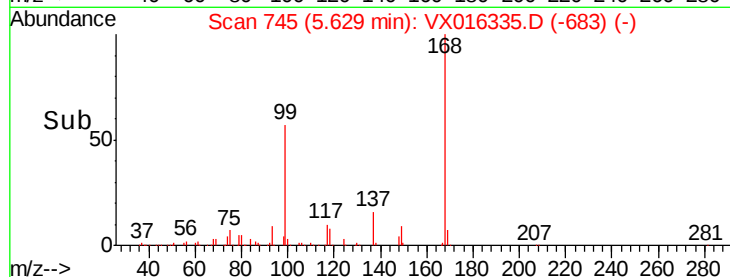
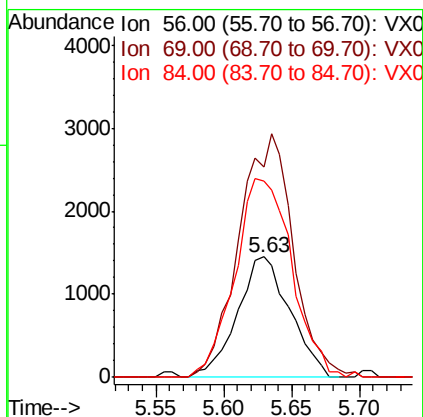
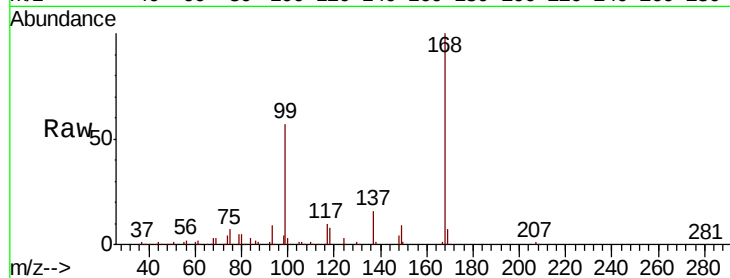




#31
Cyclohexane
Concen: 0.920 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

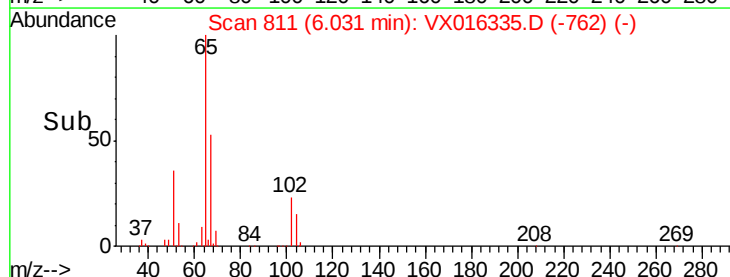
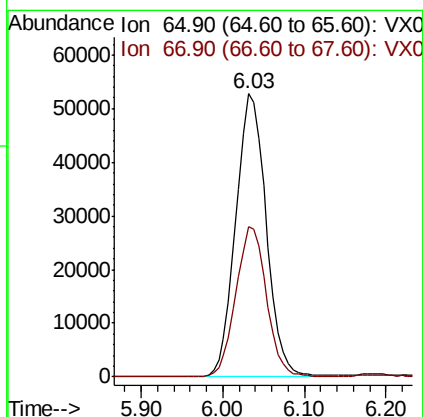
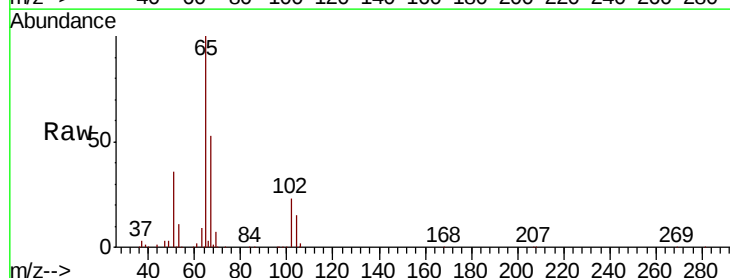
Instrument :
MSVOA_X
ClientSampleId :
WP021MW174-200514

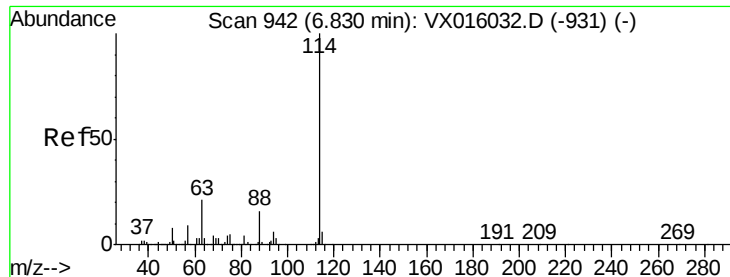
Tot Ion: 56 Resp: 3910
Ion Ratio Lower Upper
56 100
69 175.0 25.0 37.6#
84 163.3 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 44.832 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

Tgt Ion: 65 Resp: 137099
Ion Ratio Lower Upper
65 100
67 52.9 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: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-200514

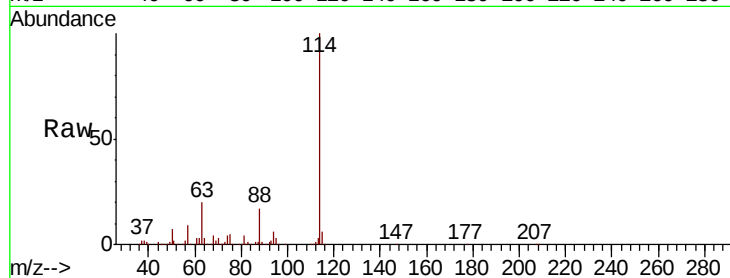
Tot Ion:114 Resp: 380717

Ion Ratio Lower Upper

114 100

63 20.4 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

200000

150000

100000

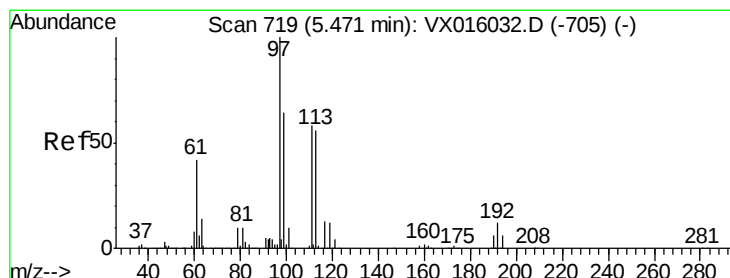
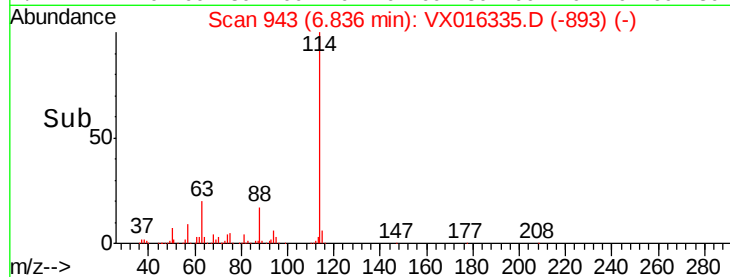
50000

0

6.84

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 45.691 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

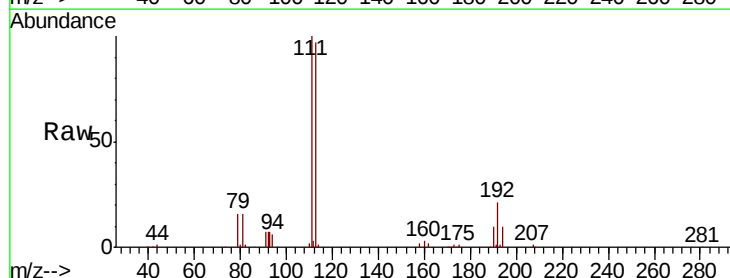
Tgt Ion:113 Resp: 110206

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

192 21.0 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

50000

40000

30000

20000

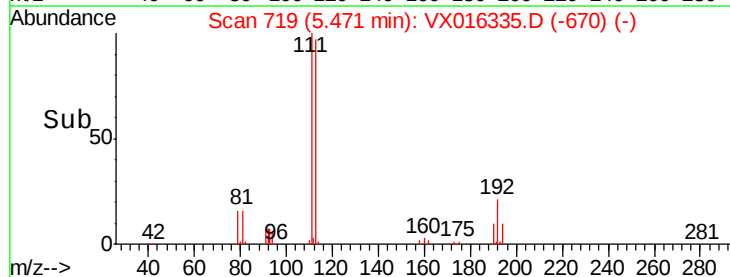
10000

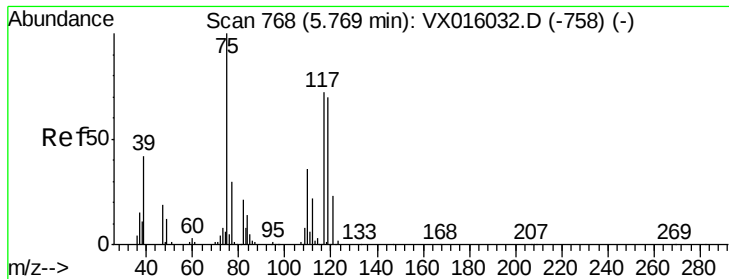
0

5.47

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.421 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

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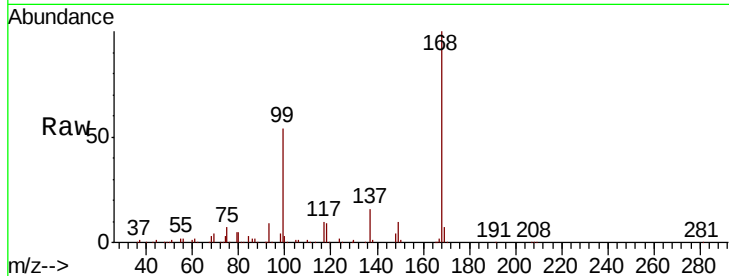
Tot Ion: 75 Resp: 16569

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

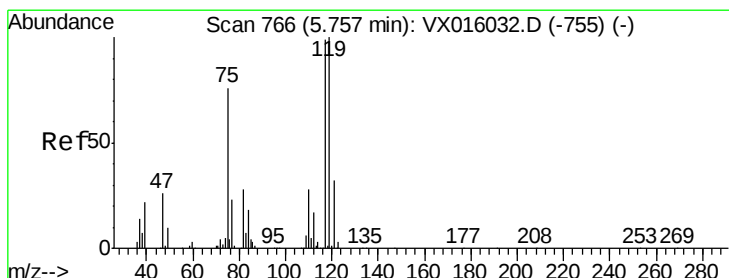
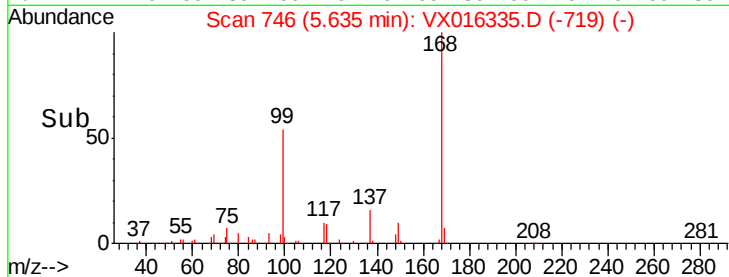
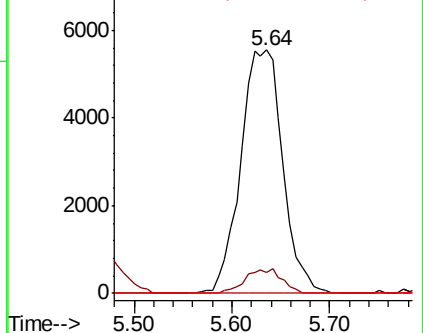
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016335.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016335.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016335.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.886 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

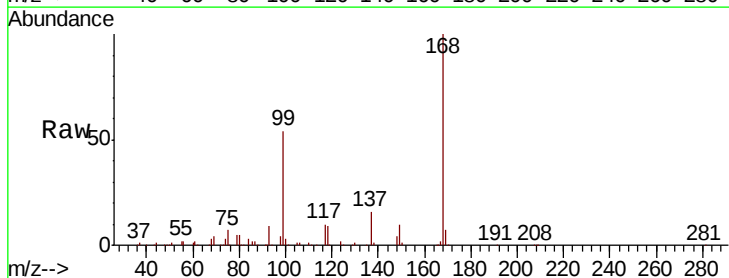
Tgt Ion: 117 Resp: 22422

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

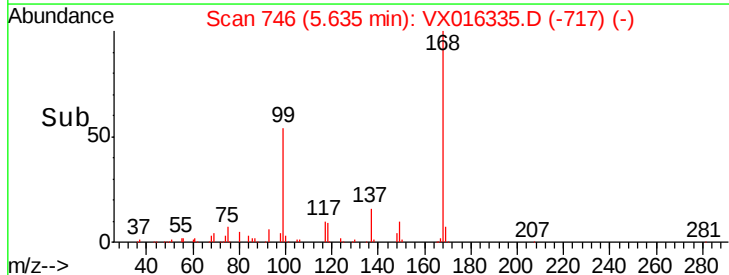
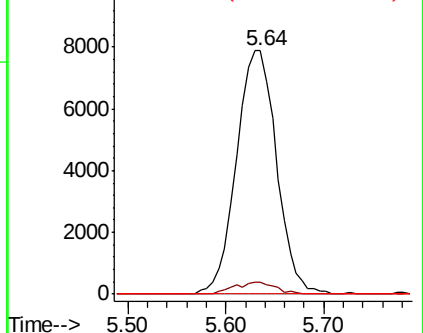
121 0.0 25.7 38.5#

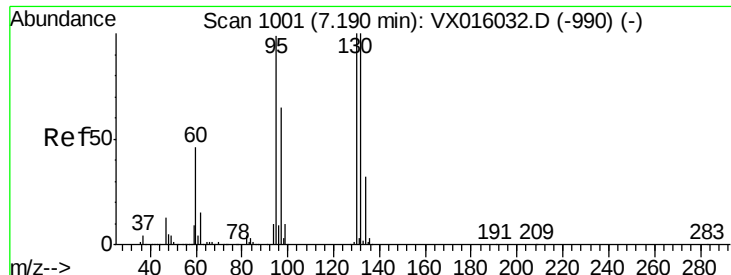


Abundance Ion 116.80 (116.50 to 117.50): VX016335.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016335.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016335.D (-717) (-)





#44

Trichloroethene

Concen: 0.221 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

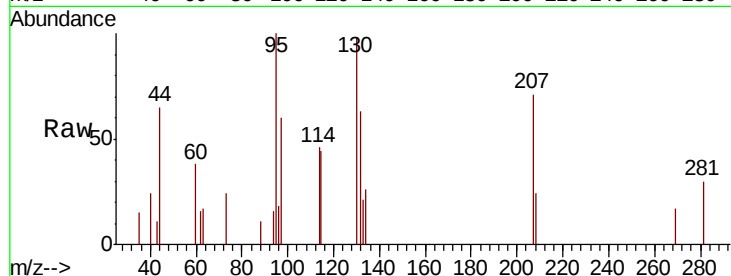
WP021MW174-200514

Tot Ion:130 Resp: 860

Ion Ratio Lower Upper

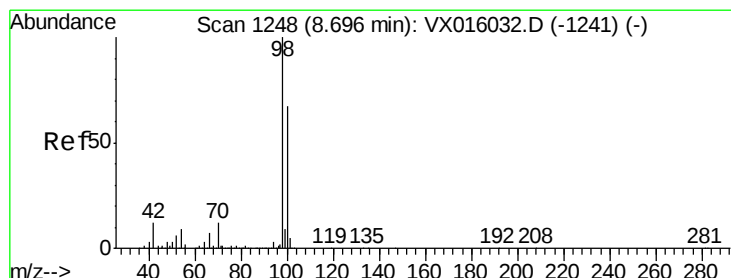
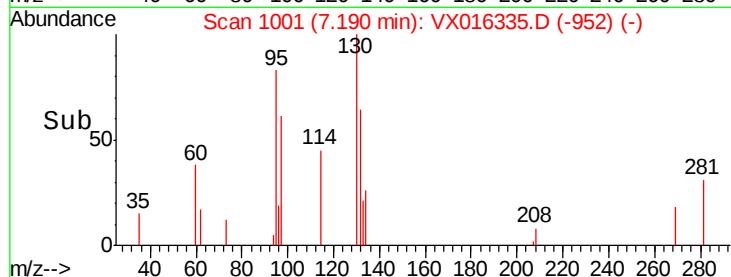
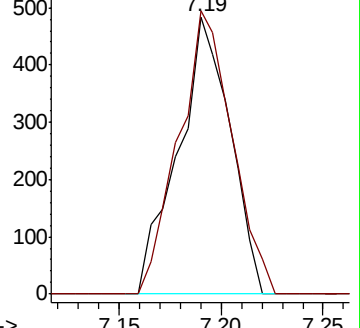
130 100

95 102.1 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: 50.874 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016335.D

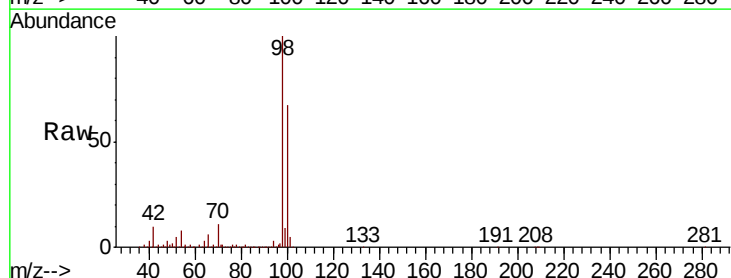
Acq: 19 May 2020 15:28

Tgt Ion: 98 Resp: 472802

Ion Ratio Lower Upper

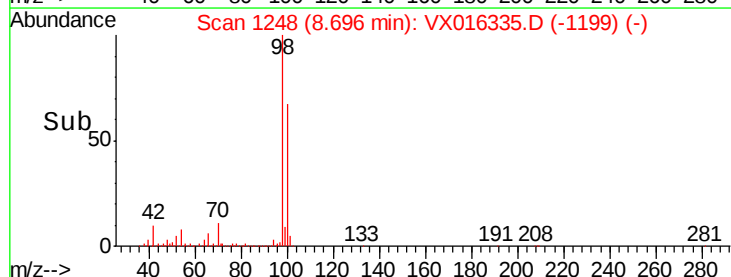
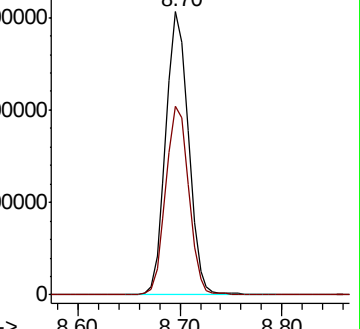
98 100

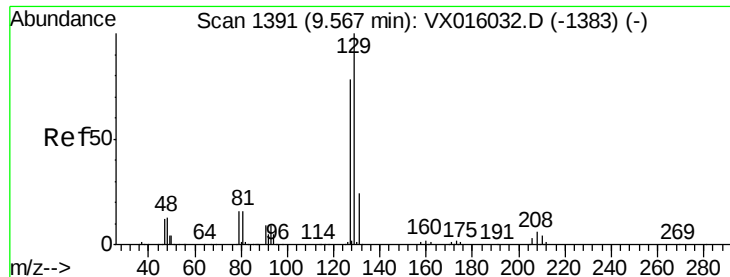
100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.267 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

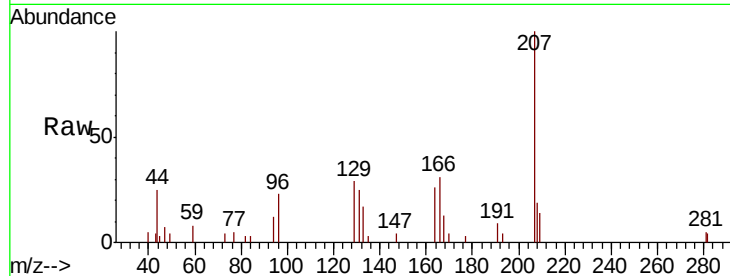
WP021MW174-200514

Tot Ion:129 Resp: 791

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600

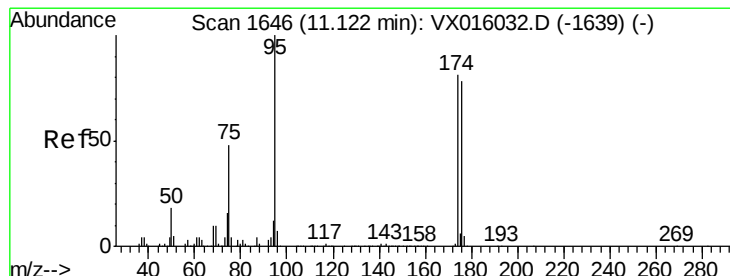
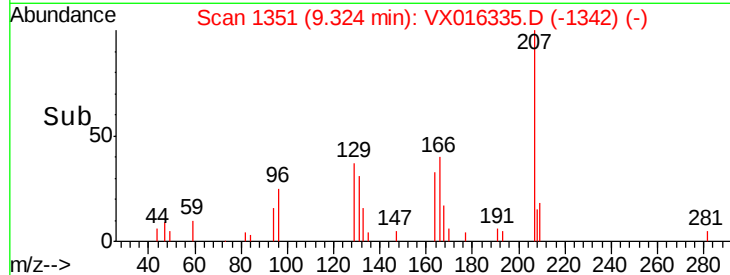
400

200

0

9.30 9.32 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 53.996 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

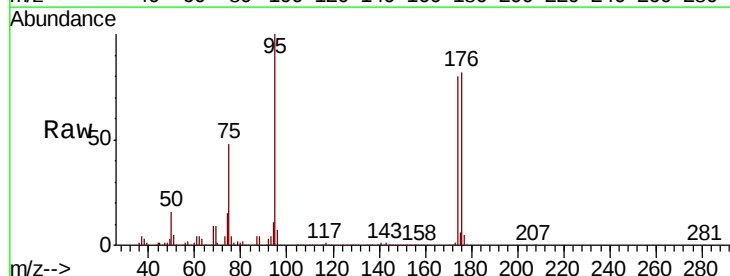
Tgt Ion: 95 Resp: 190867

Ion Ratio Lower Upper

95 100

174 81.5 0.0 159.4

176 79.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

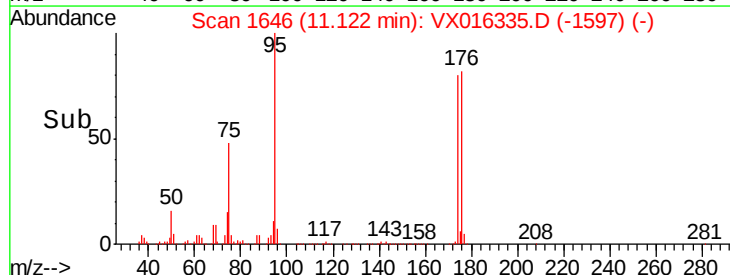
100000

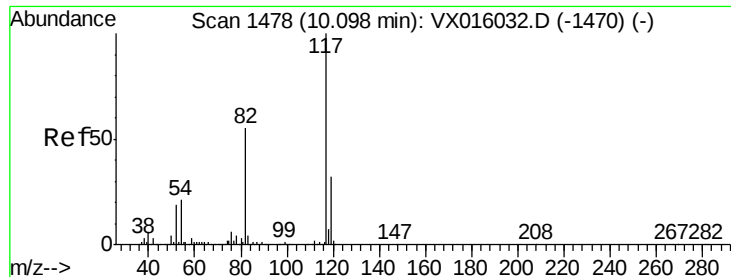
50000

0

11.10 11.12 11.20

Time-->

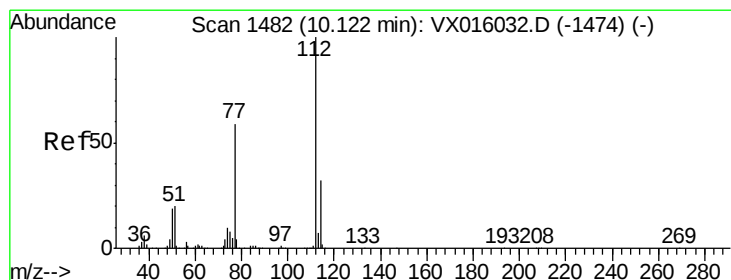
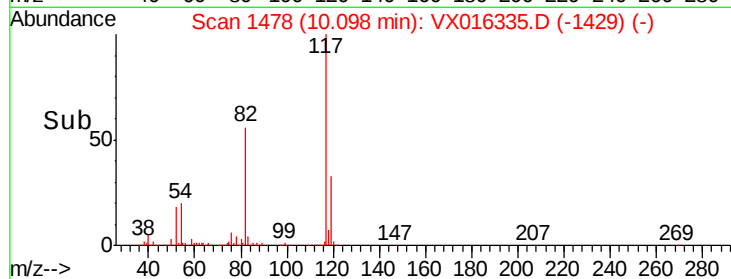
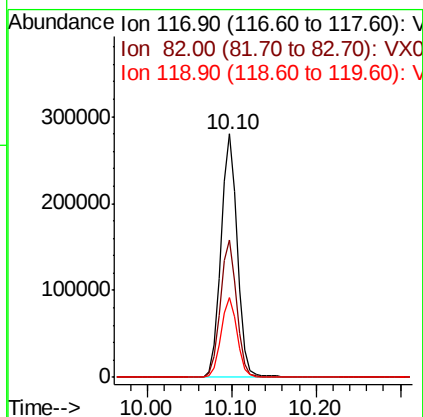
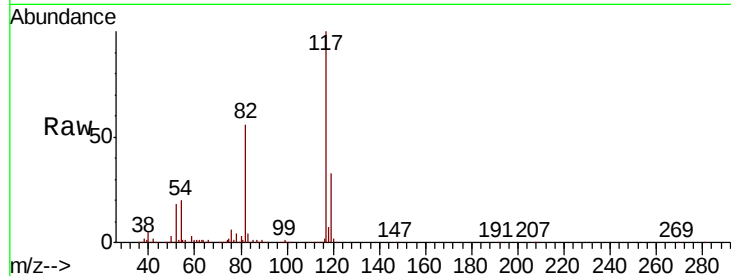




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

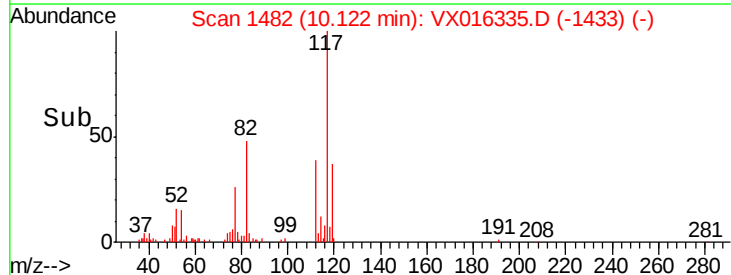
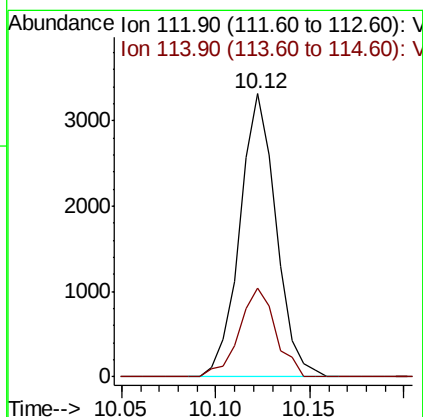
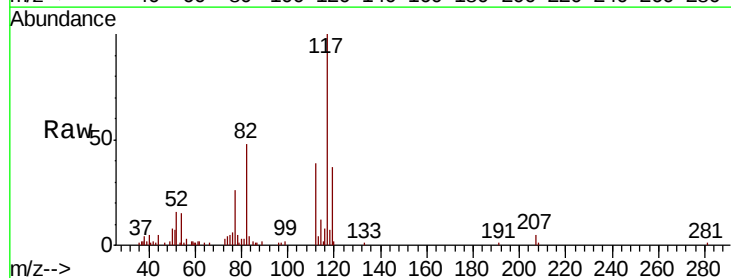
Instrument :
MSVOA_X
ClientSampleId :
WP021MW174-200514

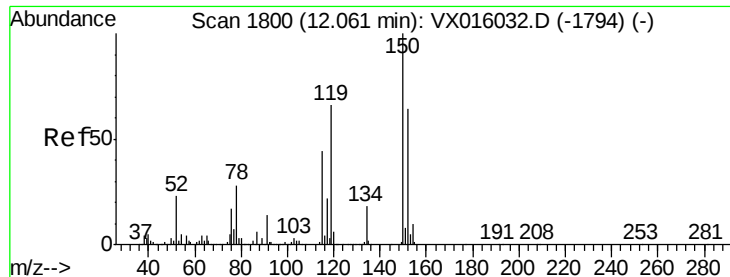
Tot Ion:117 Resp: 377464
Ion Ratio Lower Upper
117 100
82 56.5 44.4 66.6
119 32.7 25.5 38.3



#65
Chlorobenzene
Concen: 0.560 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016335.D
Acq: 19 May 2020 15:28

Tgt Ion:112 Resp: 4426
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-200514

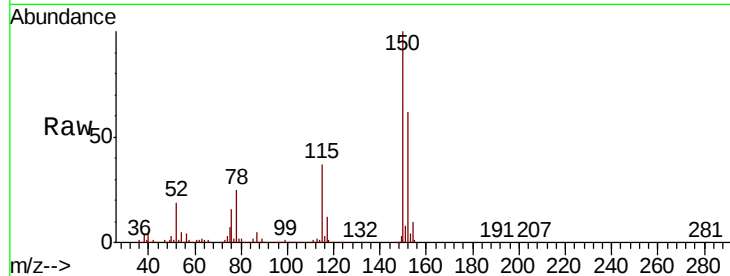
Tot Ion:152 Resp: 194179

Ion Ratio Lower Upper

152 100

115 59.1 41.3 124.1

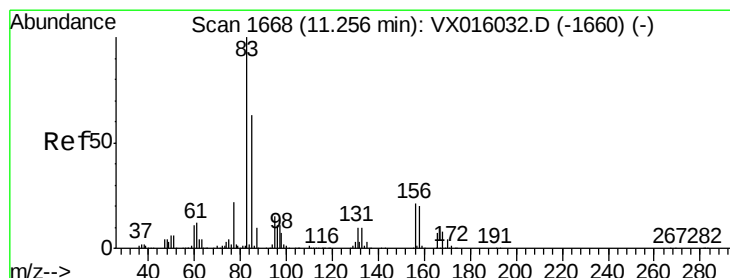
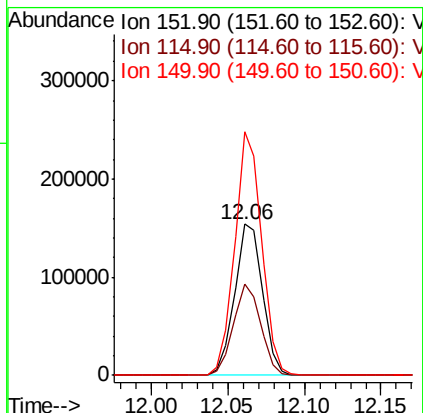
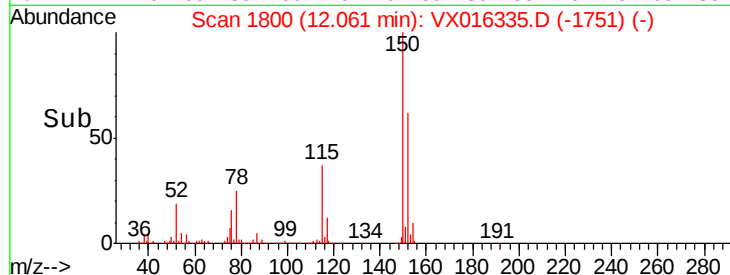
150 155.1 0.0 352.2



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: 2.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

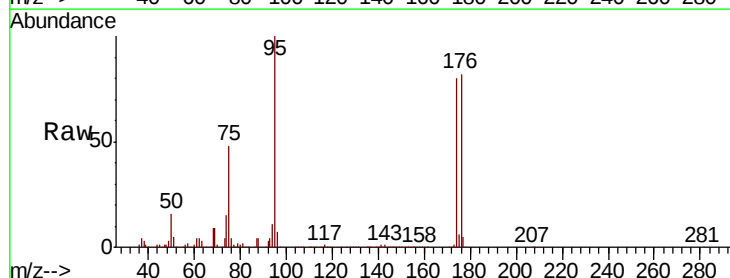
Tgt Ion: 83 Resp: 132

Ion Ratio Lower Upper

83 100

131 206.8 5.1 15.4#

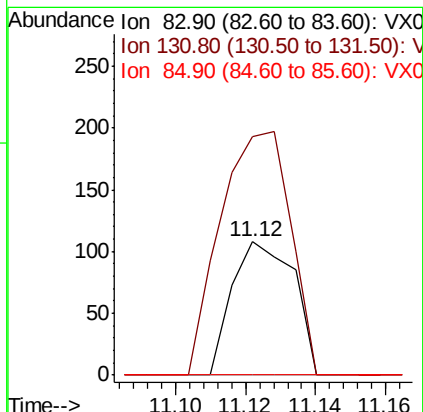
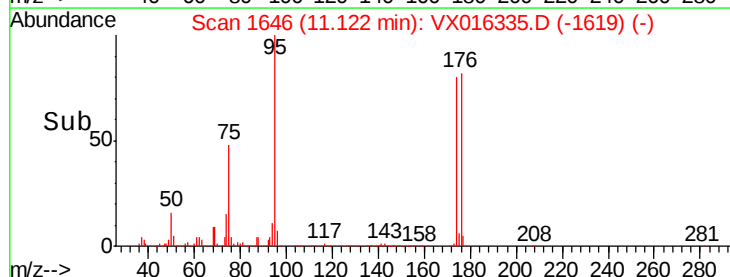
85 0.0 32.0 96.0#

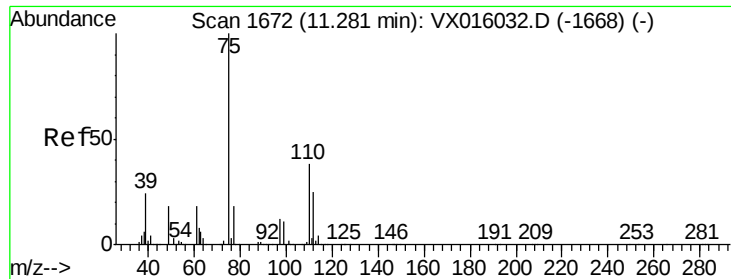


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.503 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Instrument :

MSVOA_X

ClientSampleId :

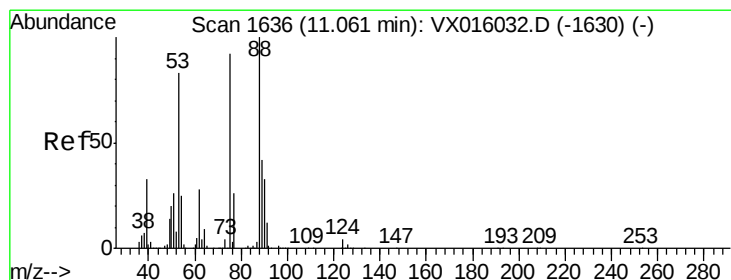
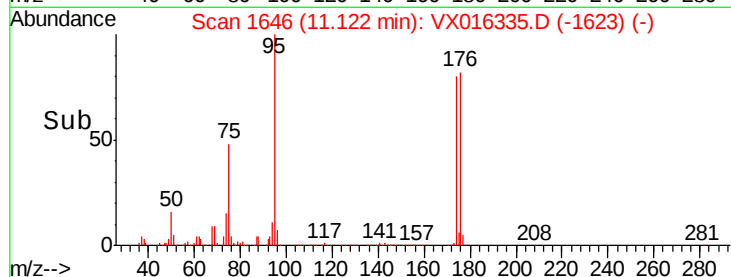
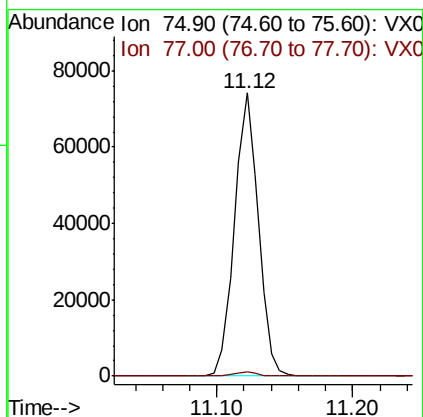
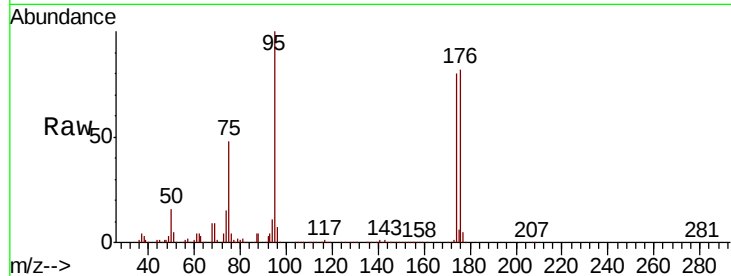
WP021MW174-200514

Tot Ion: 75 Resp: 90344

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.860 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016335.D

Acq: 19 May 2020 15:28

Tgt Ion: 75 Resp: 90344

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#

