

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015717.D
 Acq On : 16 Apr 2020 17:08
 Operator : JC/SP
 Sample : L2276-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-318-320

Quant Time: Apr 17 06:50:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1021080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1589670	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1525948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	825013	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	621324	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	
35) Dibromofluoromethane	5.47	113	482265	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.70	98	1885178	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.12	95	777026	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

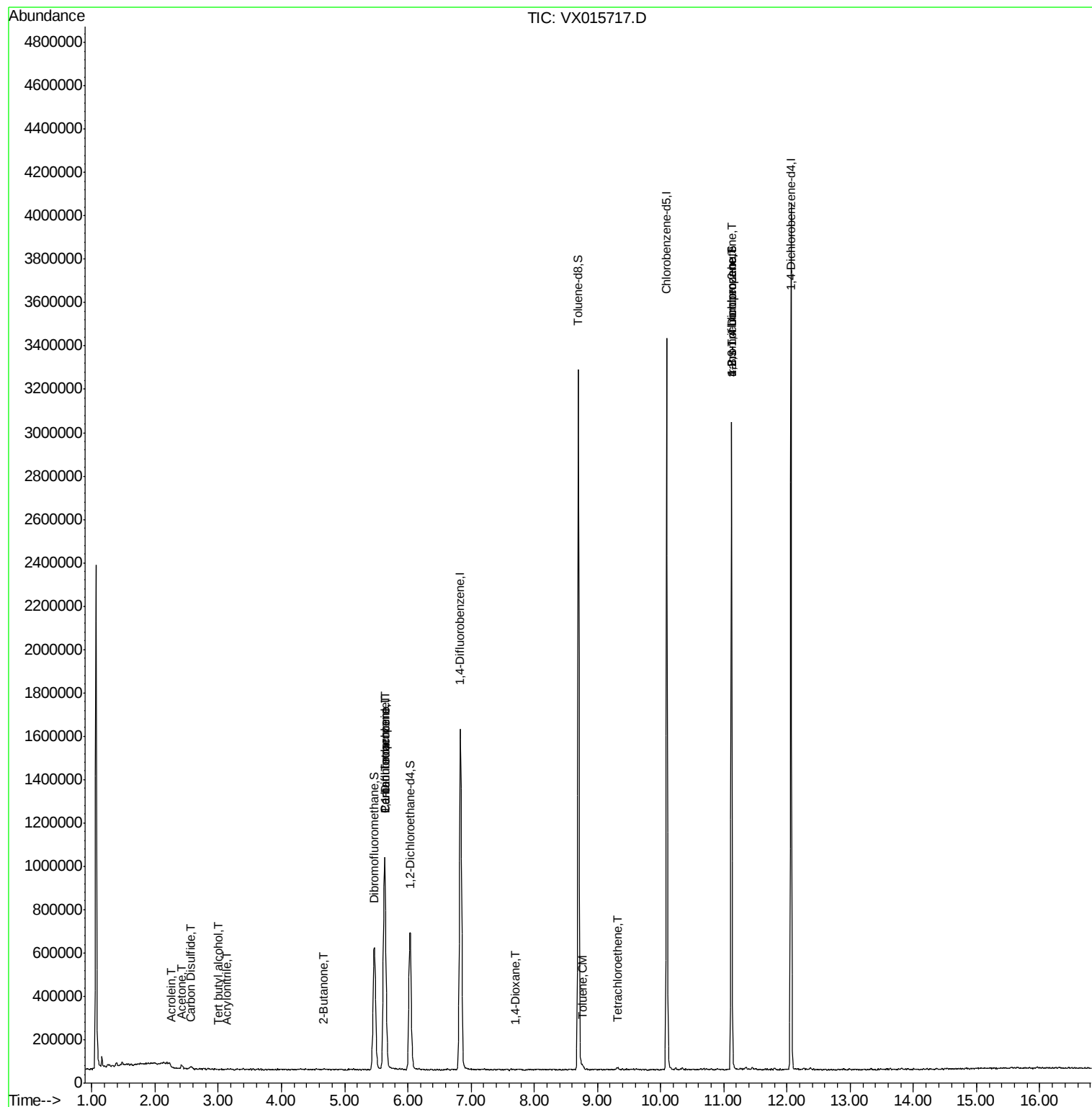
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	133	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	752	0.218	ug/l #	1
13) Acrolein	2.26	56	455	0.232	ug/l	87
15) Acrylonitrile	3.13	53	1356	0.206	ug/l #	56
16) Acetone	2.42	43	24661	3.986	ug/l	95
17) Carbon Disulfide	2.55	76	10951	0.372	ug/l #	92
25) 2-Butanone	4.66	43	6726	0.676	ug/l #	74
36) 1,1-Dichloropropene	5.64	75	69977	4.778	ug/l #	52
38) Carbon Tetrachloride	5.64	117	91621	5.775	ug/l #	14
49) 1,4-Dioxane	7.70	88	337	1.123	ug/l #	1
52) Toluene	8.77	92	5897	0.223	ug/l	98
64) Tetrachloroethene	9.32	164	2644	0.230	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	394408	23.247	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	394408	55.781	ug/l #	10

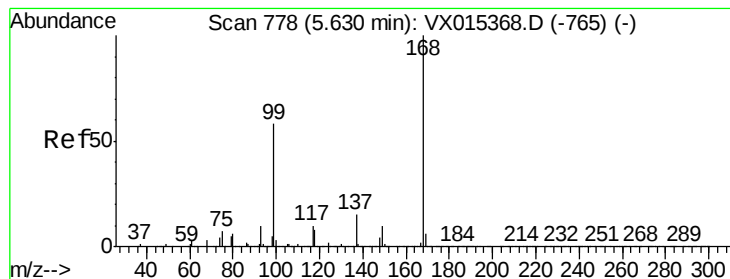
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041620\
Data File : VX015717.D
Acq On : 16 Apr 2020 17:08
Operator : JC/SP
Sample : L2276-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-318-320

Quant Time: Apr 17 06:50:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

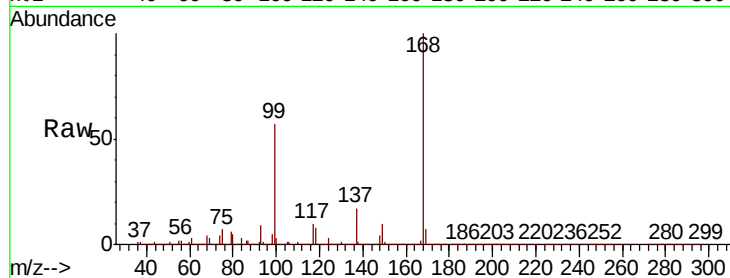
BP-VPB180-GW-318-320

Tot Ion:168 Resp: 1021080

Ion Ratio Lower Upper

168 100

99 56.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

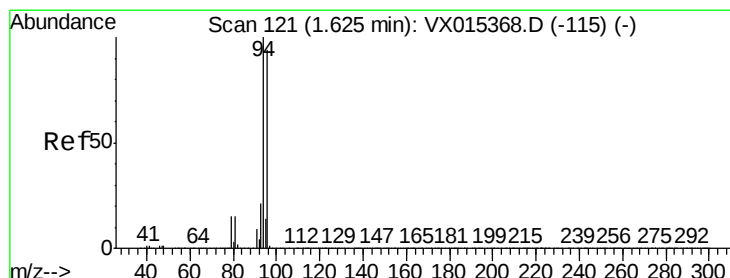
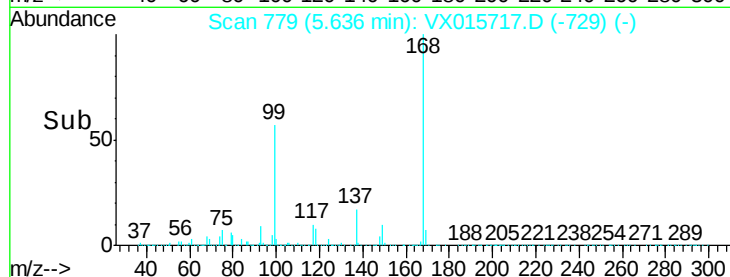
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX015717.D

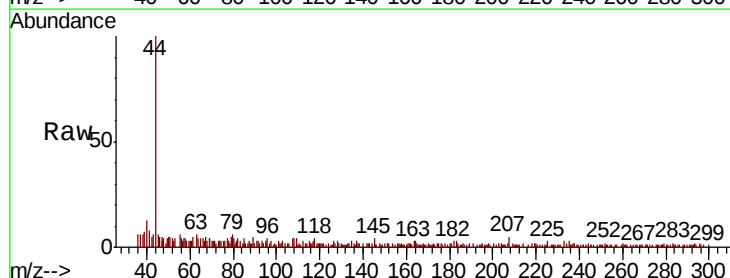
Acq: 16 Apr 2020 17:08

Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

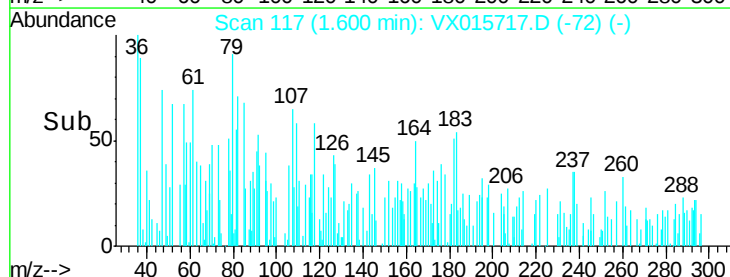
400

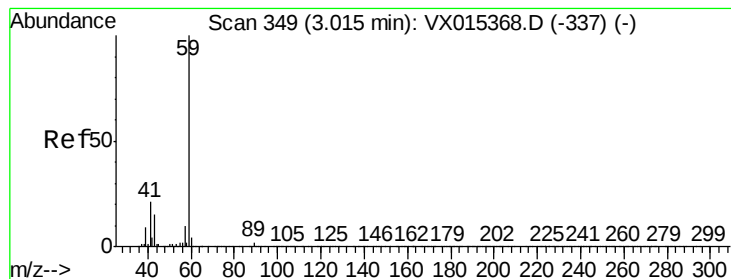
200

0

Time-->

1.57 1.58 1.59 1.60 1.61



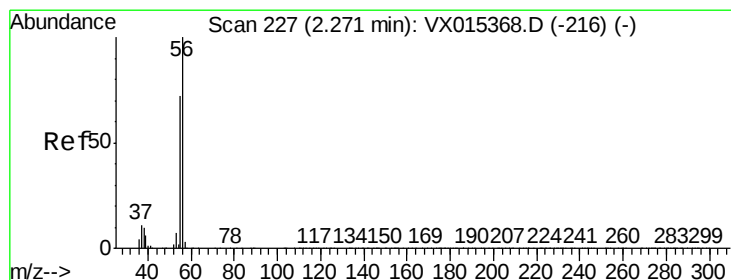
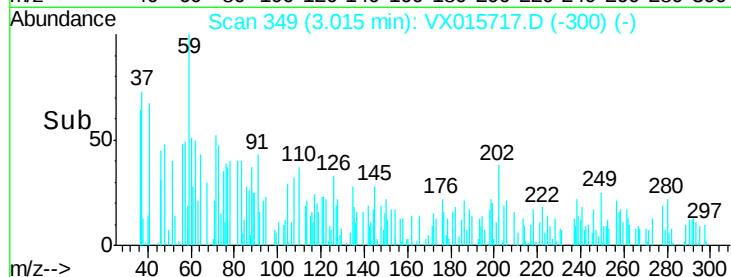
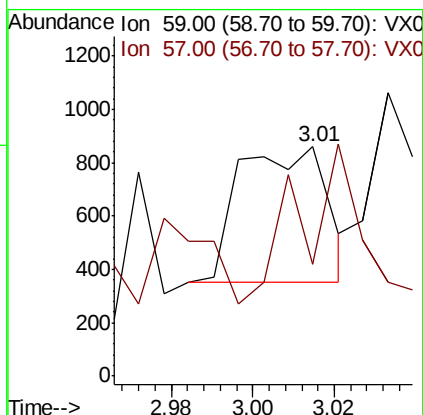
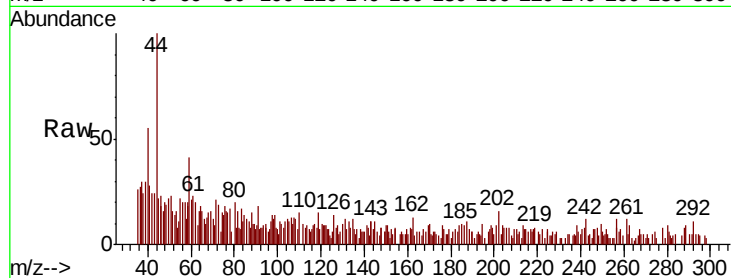


#11

Tert butyl alcohol
Concen: 0.218 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-318-320

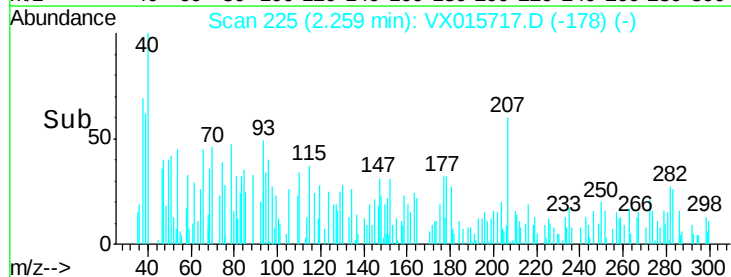
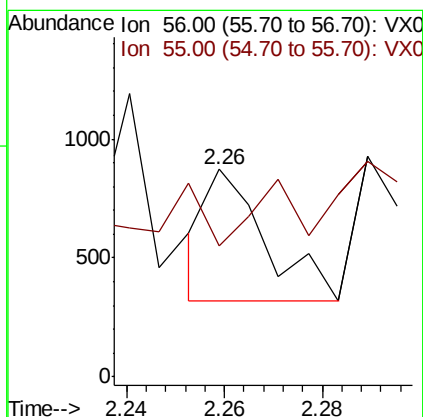
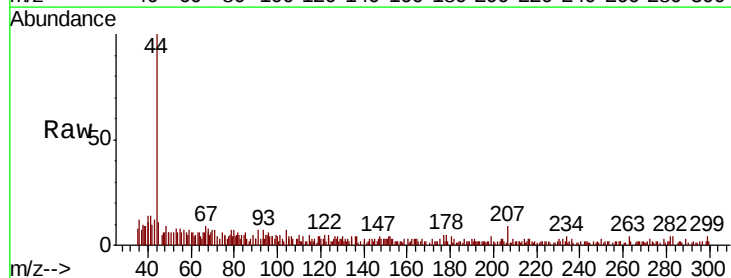
Tot Ion: 59 Resp: 752
Ion Ratio Lower Upper
59 100
57 82.2 8.1 12.1#

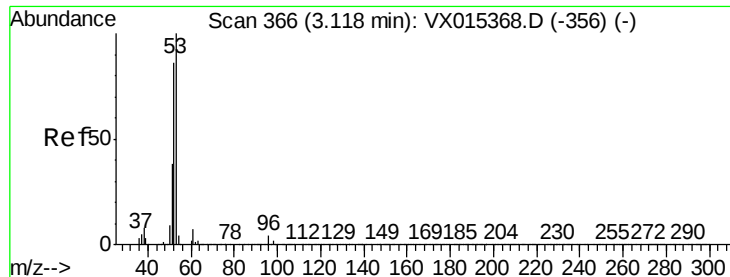


#13

Acrolein
Concen: 0.232 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

Tgt Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
55 60.7 57.0 85.4





#15

Acrylonitrile

Concen: 0.206 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-318-320

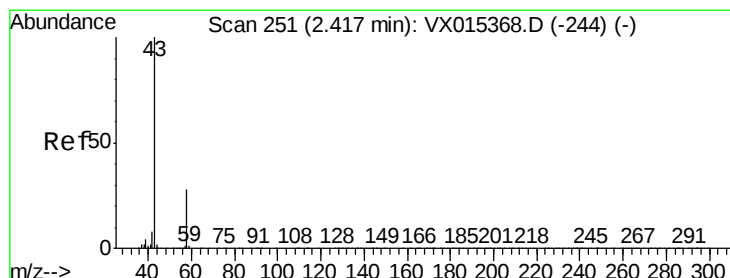
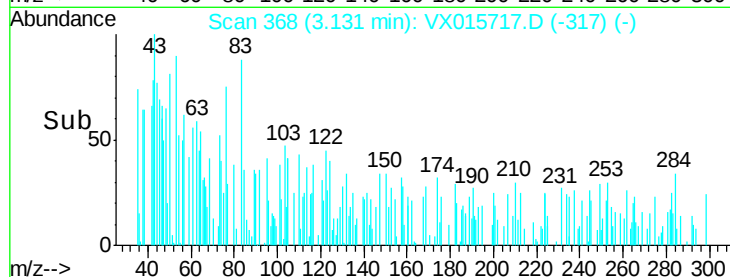
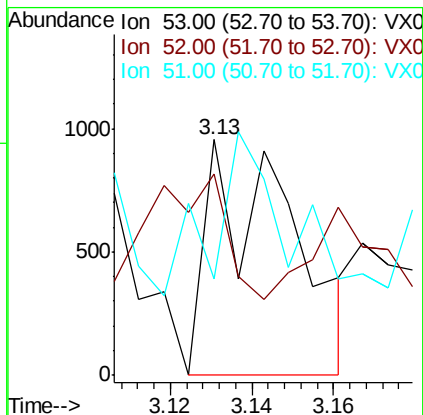
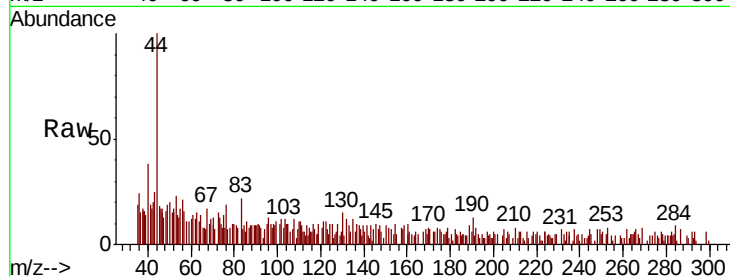
Tot Ion: 53 Resp: 1356

Ion Ratio Lower Upper

53 100

52 45.9 66.8 100.2#

51 65.8 29.5 44.3#



#16

Acetone

Concen: 3.986 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015717.D

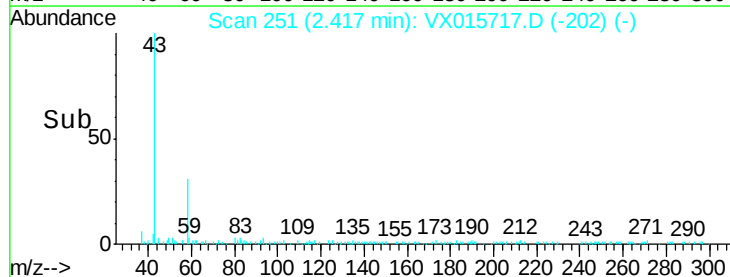
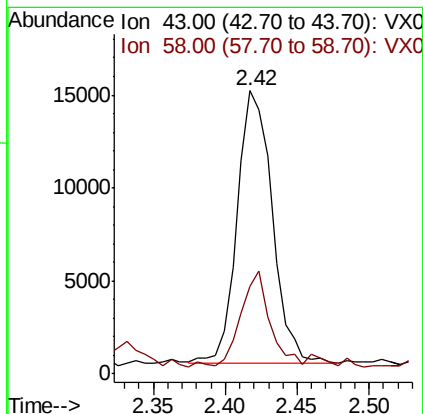
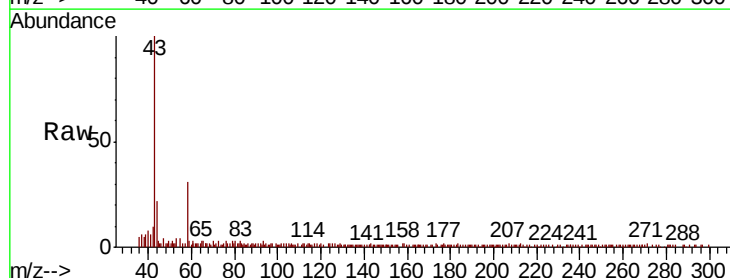
Acq: 16 Apr 2020 17:08

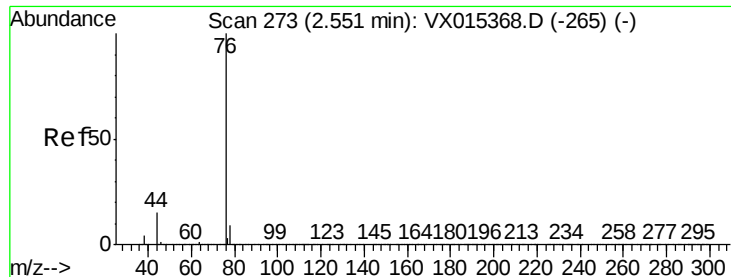
Tgt Ion: 43 Resp: 24661

Ion Ratio Lower Upper

43 100

58 30.1 22.1 33.1





#17

Carbon Disulfide

Concen: 0.372 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

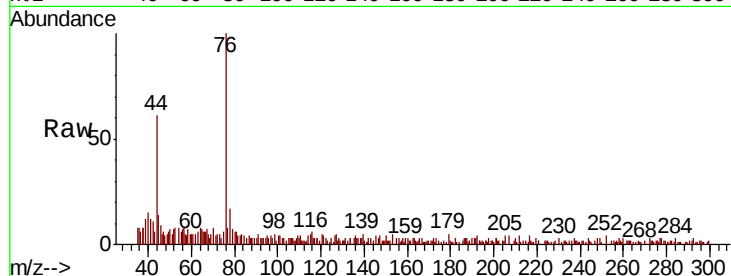
BP-VPB180-GW-318-320

Tot Ion: 76 Resp: 10951

Ion Ratio Lower Upper

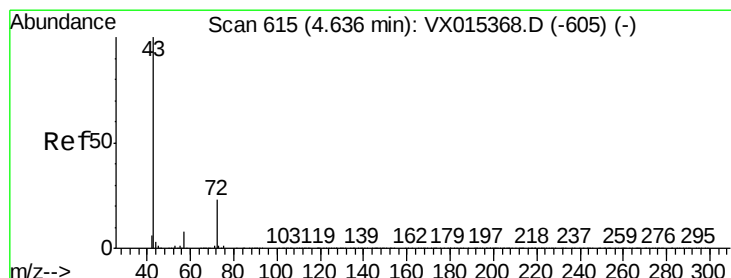
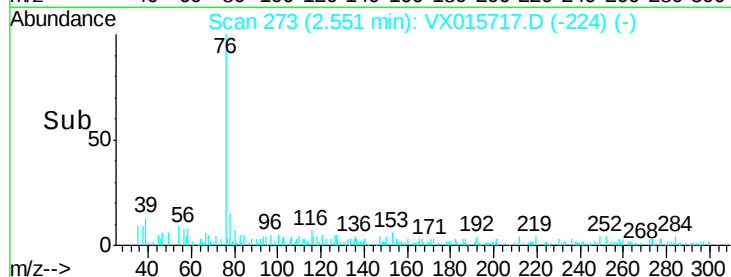
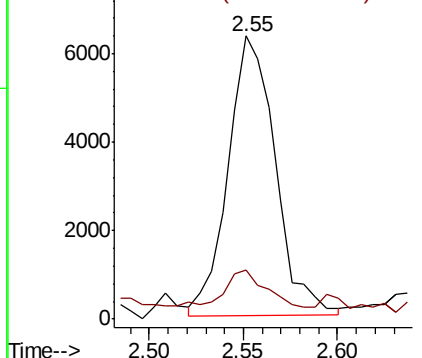
76 100

78 11.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.676 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015717.D

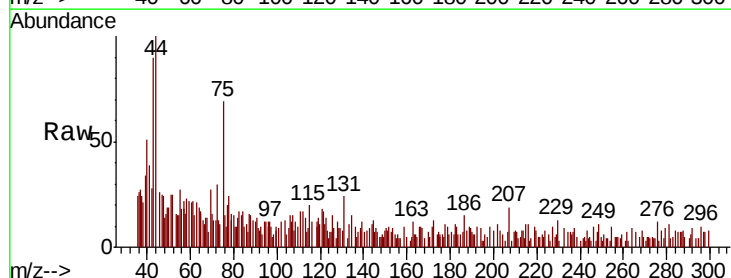
Acq: 16 Apr 2020 17:08

Tgt Ion: 43 Resp: 6726

Ion Ratio Lower Upper

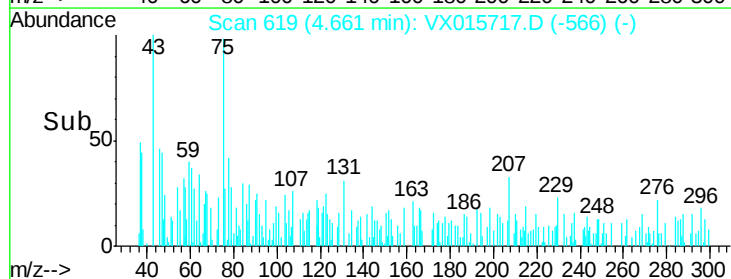
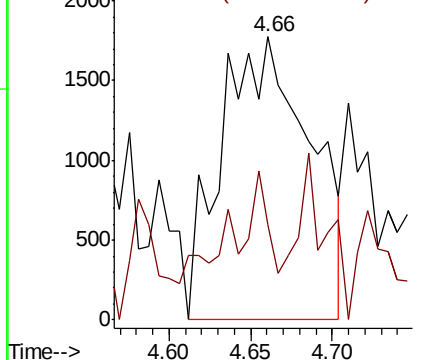
43 100

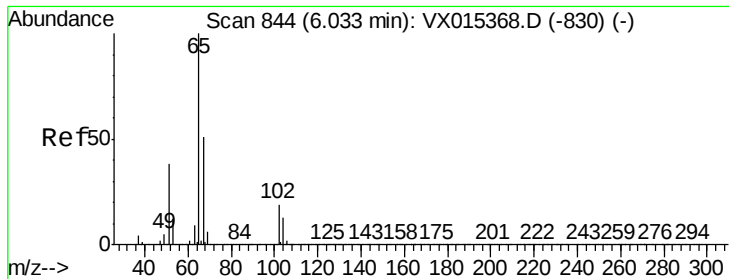
72 11.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.144 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

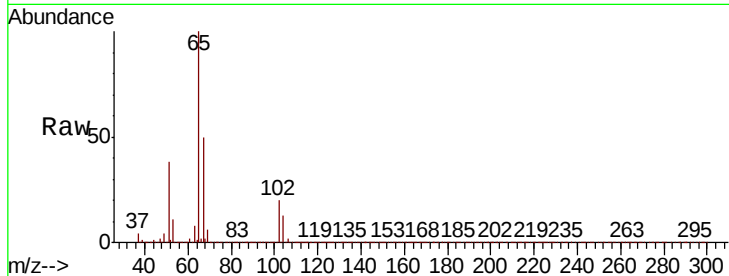
BP-VPB180-GW-318-320

Tot Ion: 65 Resp: 621324

Ion Ratio Lower Upper

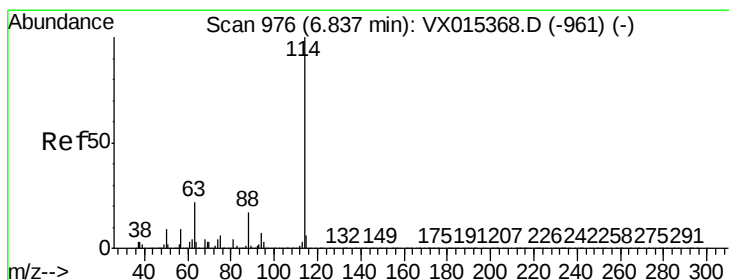
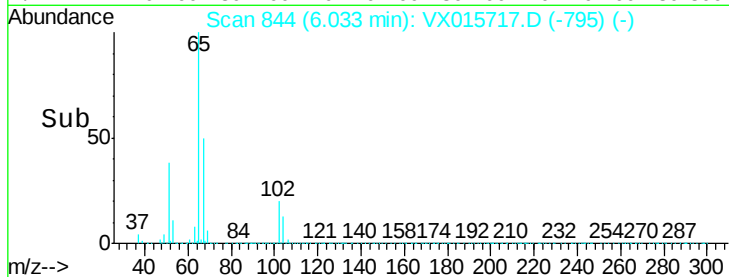
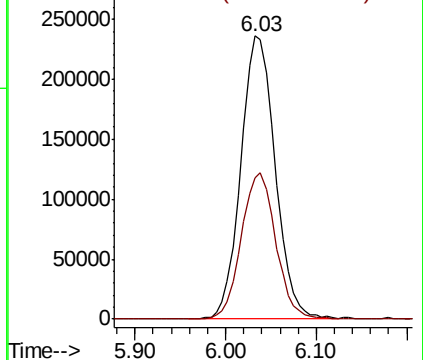
65 100

67 51.1 0.0 102.6



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: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

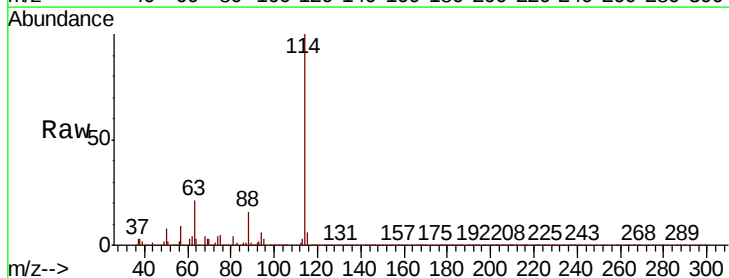
Tgt Ion: 114 Resp: 1589670

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.2

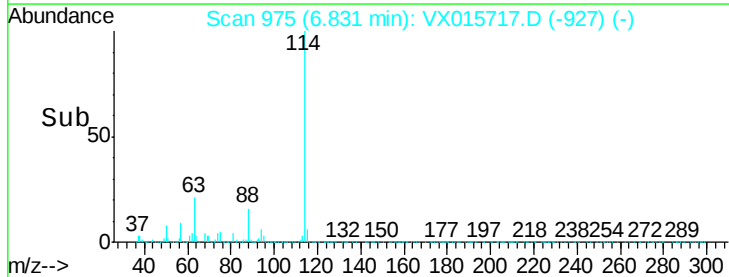
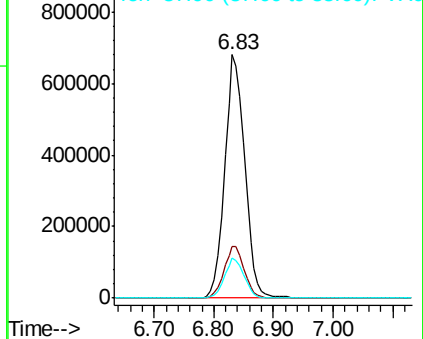
88 16.2 0.0 33.8

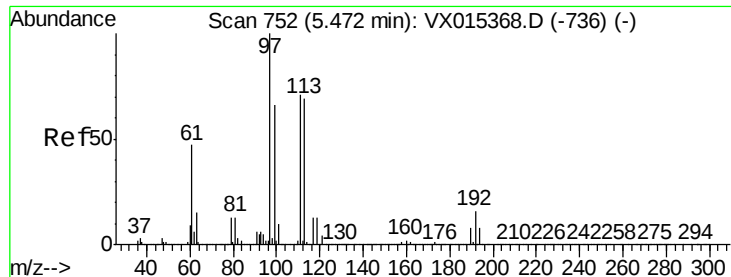


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

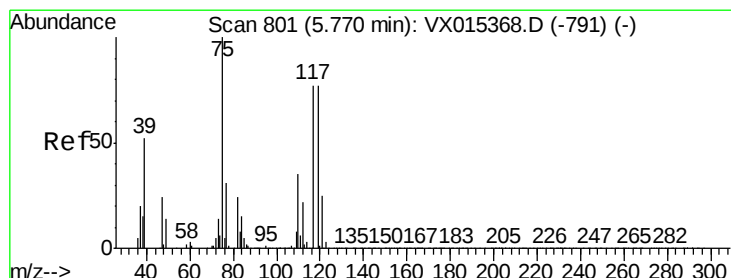
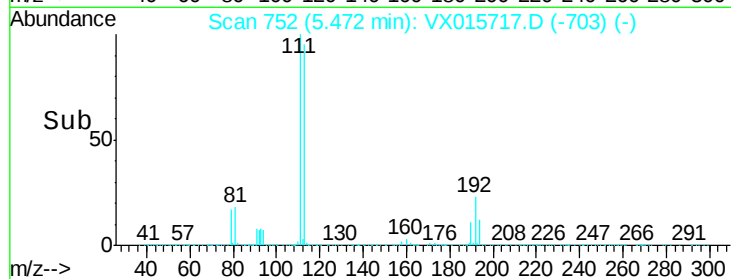
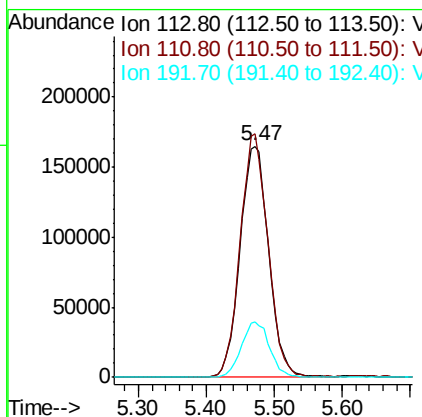
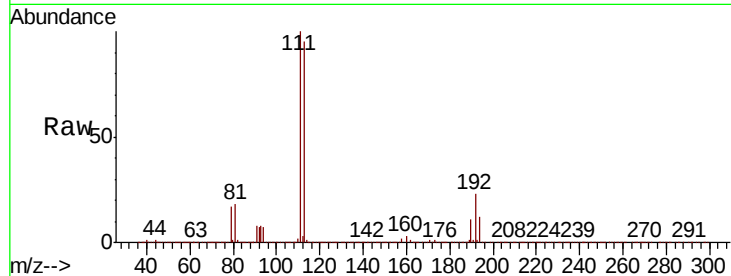




#35
Dibromofluoromethane
Concen: 47.460 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

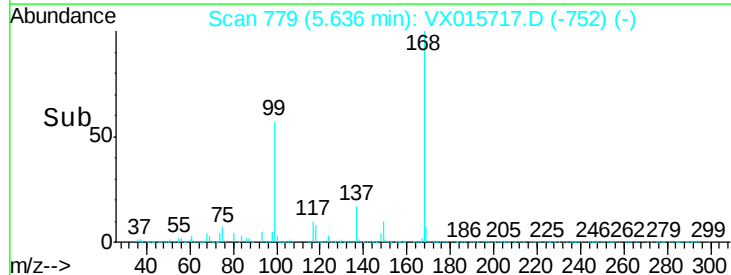
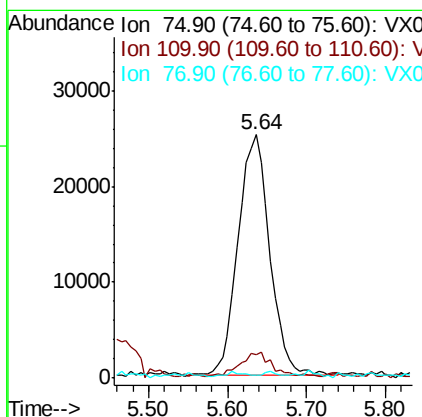
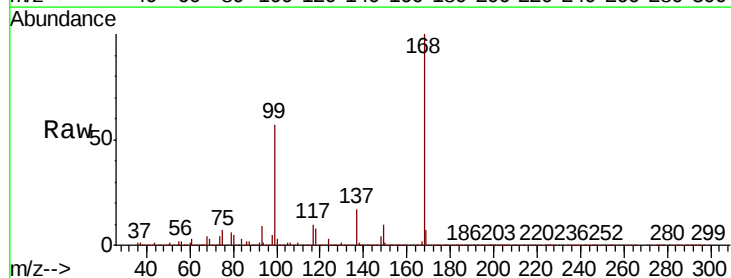
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-318-320

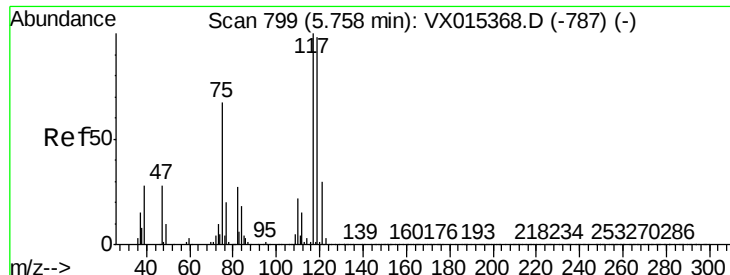
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	23.7	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.3#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.775 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-318-320

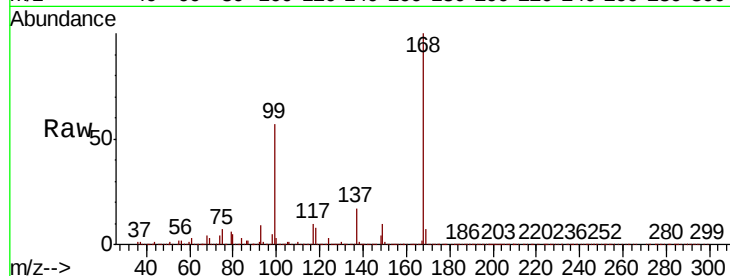
Tot Ion:117 Resp: 91621

Ion Ratio Lower Upper

117 100

119 2.9 78.0 117.0#

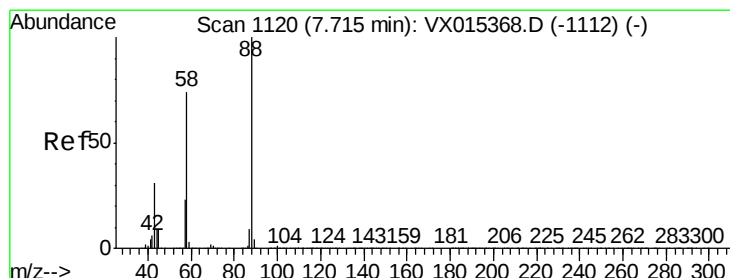
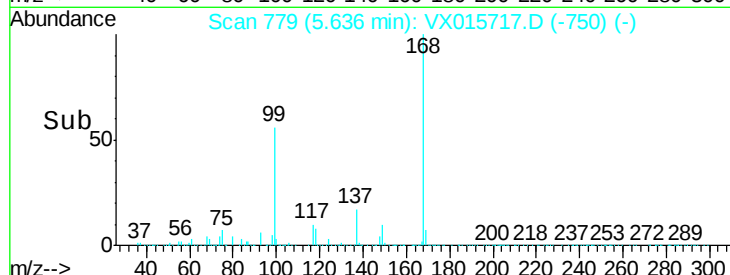
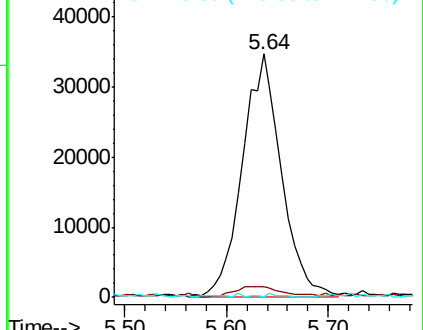
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.123 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

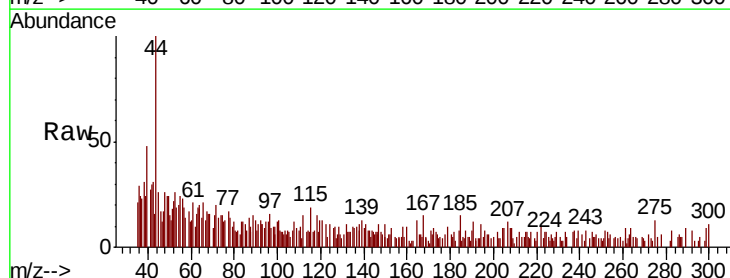
Tgt Ion: 88 Resp: 337

Ion Ratio Lower Upper

88 100

43 216.6 30.1 45.1#

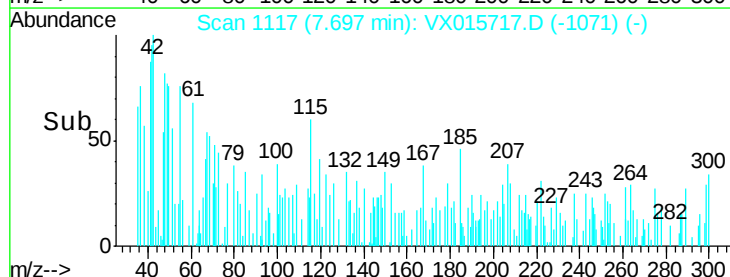
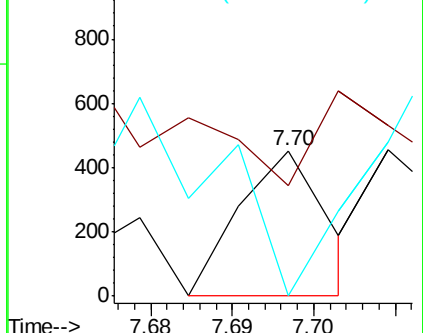
58 163.2 60.6 90.8#

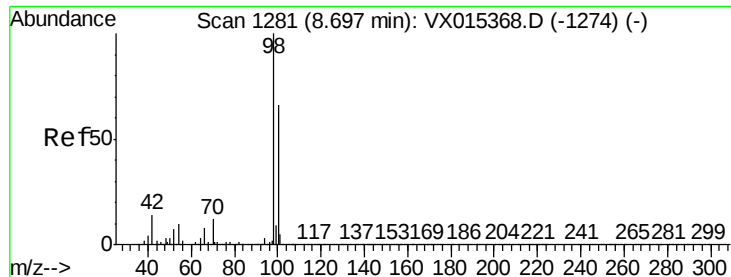


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

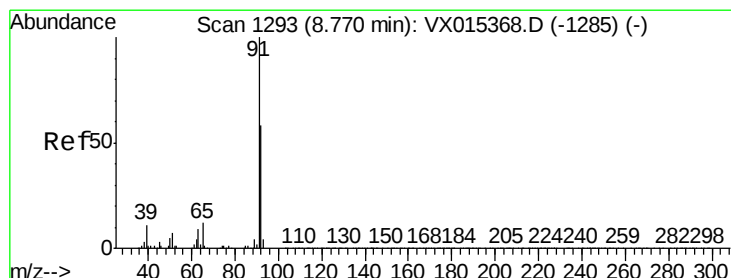
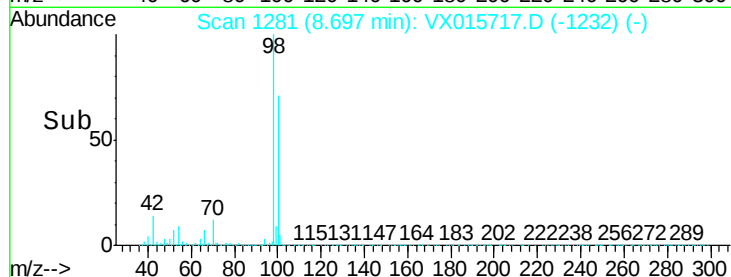
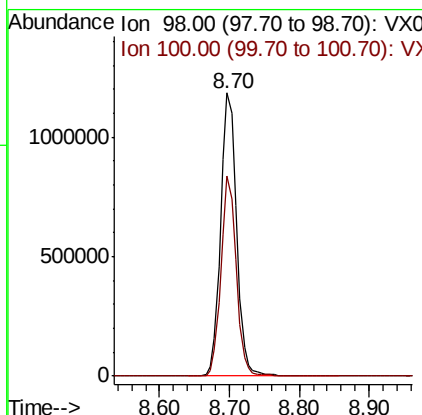
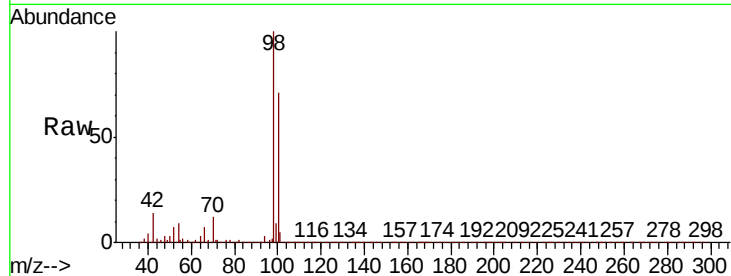




#50
Toluene-d8
Concen: 50.389 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

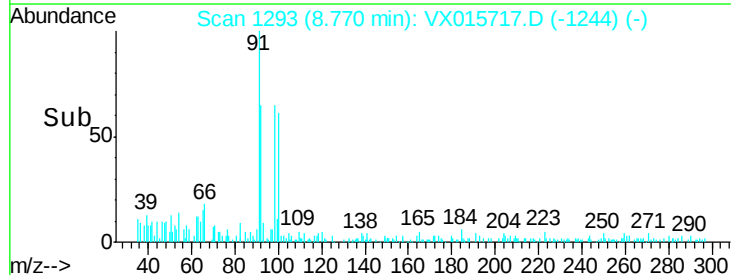
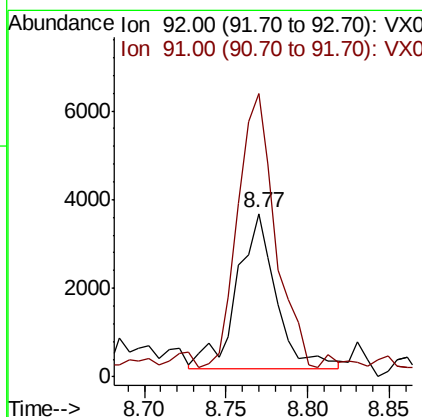
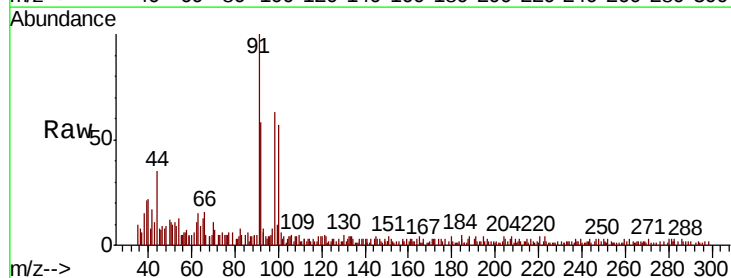
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-318-320

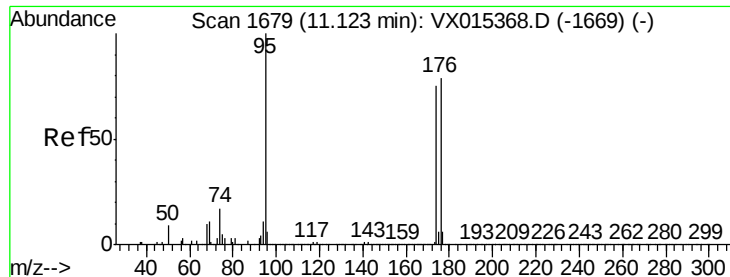
Tot Ion: 98 Resp: 1885178
Ion Ratio Lower Upper
98 100
100 67.7 53.5 80.3



#52
Toluene
Concen: 0.223 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

Tgt Ion: 92 Resp: 5897
Ion Ratio Lower Upper
92 100
91 168.7 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 51.105 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-318-320

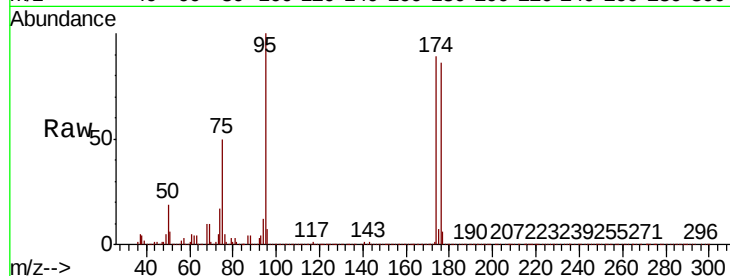
Tot Ion: 95 Resp: 777026

Ion Ratio Lower Upper

95 100

174 88.1 0.0 158.6

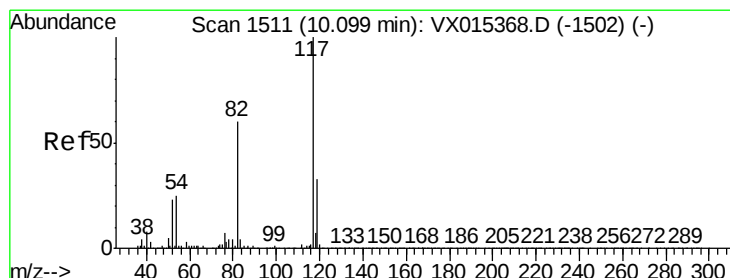
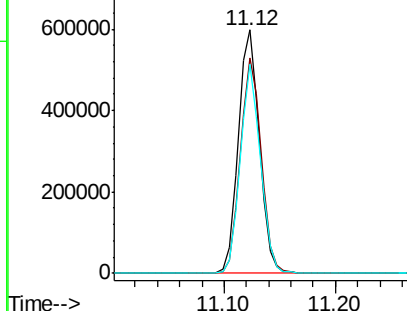
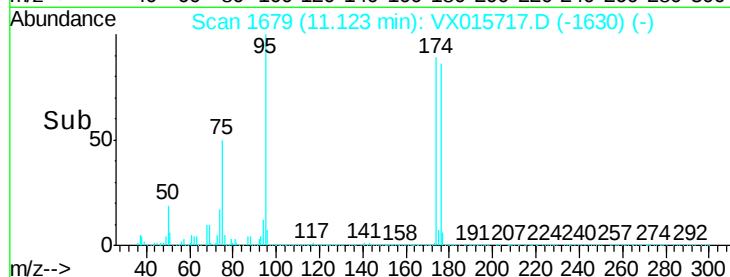
176 82.8 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015717.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015717.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015717.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015717.D

Acq: 16 Apr 2020 17:08

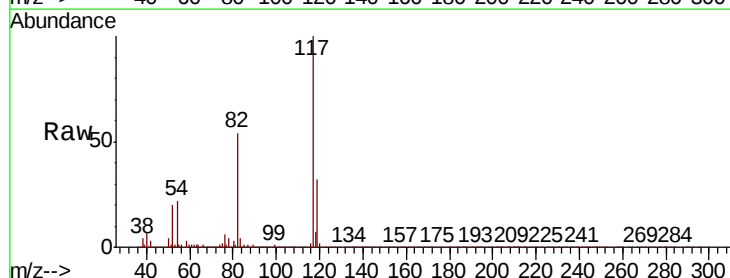
Tgt Ion: 117 Resp: 1525948

Ion Ratio Lower Upper

117 100

82 54.3 47.8 71.8

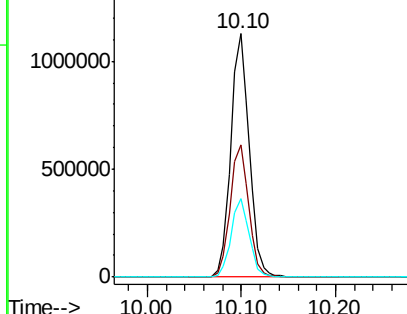
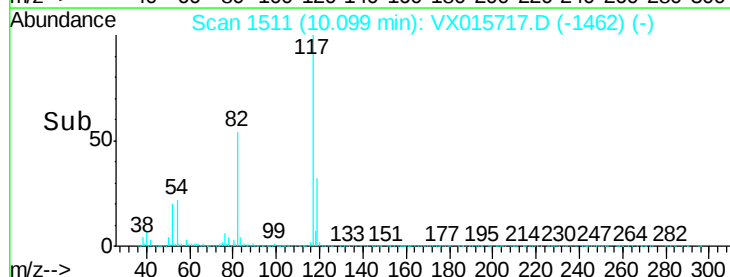
119 32.1 26.8 40.2

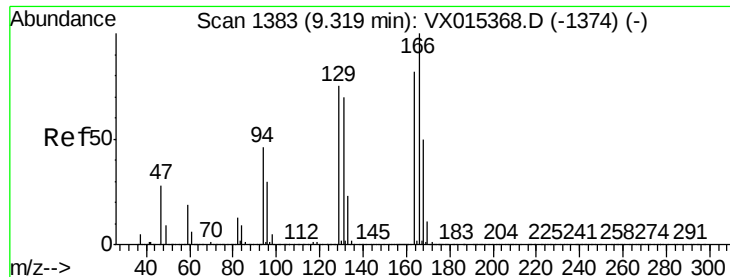


Abundance Ion 116.90 (116.60 to 117.60): VX015717.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015717.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015717.D (-1462) (-)

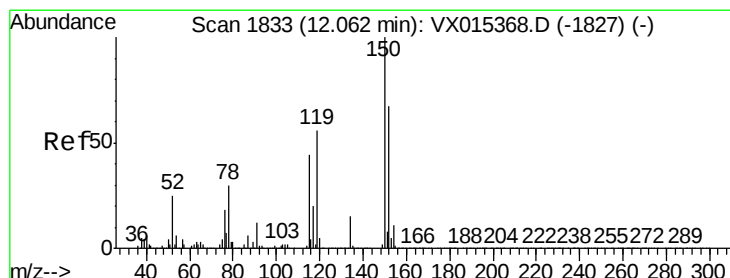
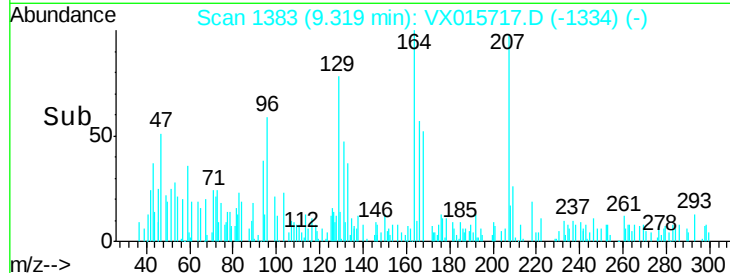
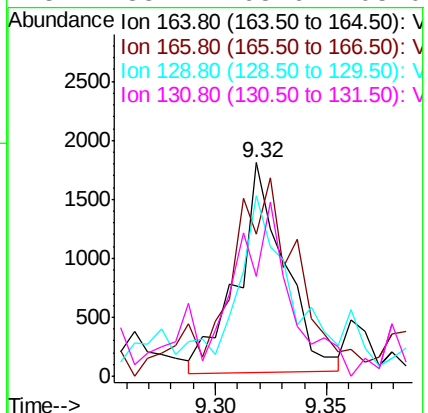
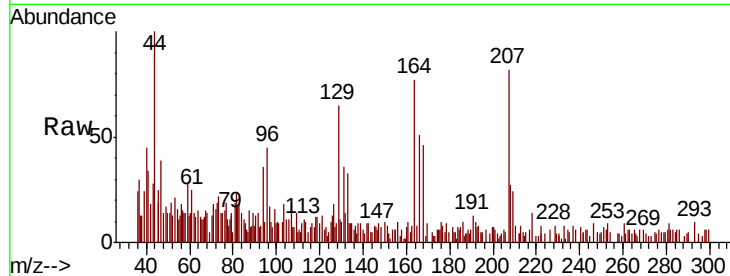




#64
Tetrachloroethene
Concen: 0.230 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

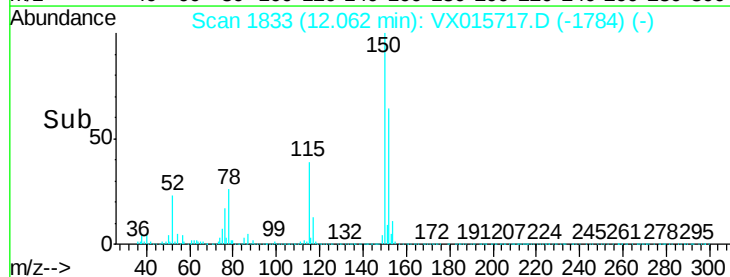
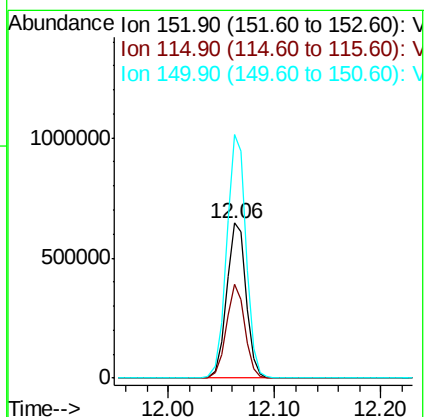
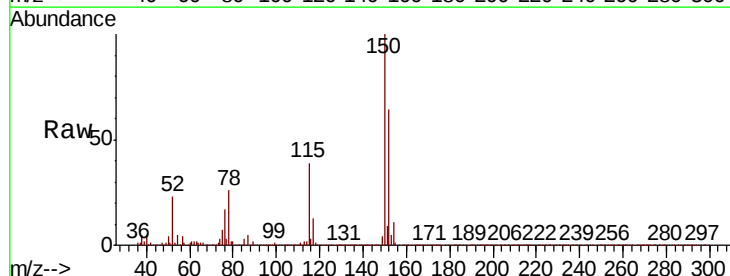
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-318-320

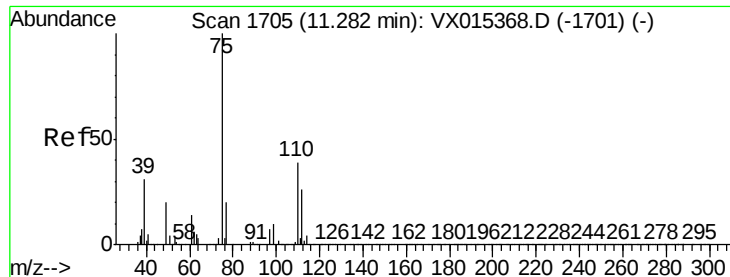
Tot Ion:164 Resp: 2644
Ion Ratio Lower Upper
164 100
166 59.5 97.8 146.6#
129 75.3 73.0 109.4
131 35.7 68.6 103.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015717.D
Acq: 16 Apr 2020 17:08

Tgt Ion:152 Resp: 825013
Ion Ratio Lower Upper
152 100
115 58.0 39.0 116.9
150 155.4 0.0 340.8

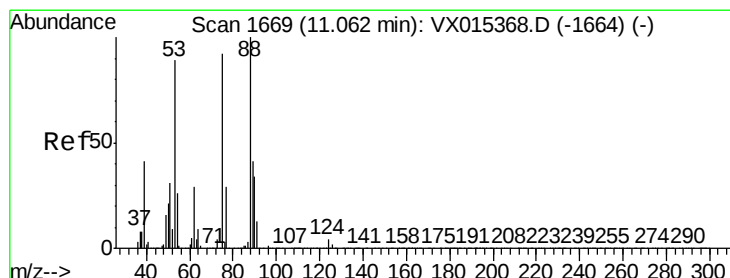
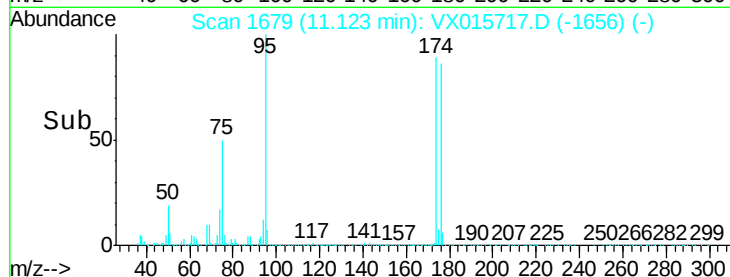
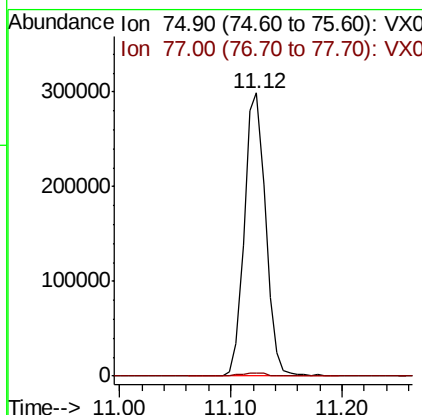
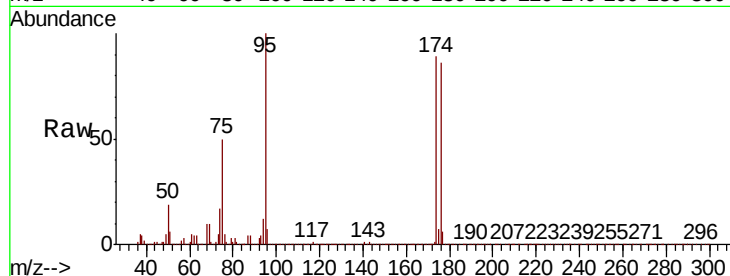




#76
 1,2,3-Trichloropropane
 Concen: 23.247 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015717.D
 Acq: 16 Apr 2020 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-318-320

Tot Ion: 75 Resp: 394408
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.781 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015717.D
 Acq: 16 Apr 2020 17:08

Tgt Ion: 75 Resp: 394408
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.1 36.1 54.1#

