

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015817.D
 Acq On : 22 Apr 2020 00:57
 Operator : JC/SP
 Sample : L2352-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-LAWNSIDE

Quant Time: Apr 22 04:26:02 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	1008650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1552241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1531767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	849115	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	539988	37.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.92%	
35) Dibromofluoromethane	5.47	113	432140	43.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.10%	
50) Toluene-d8	8.70	98	1860955	50.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.12	95	787175	53.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.04%	

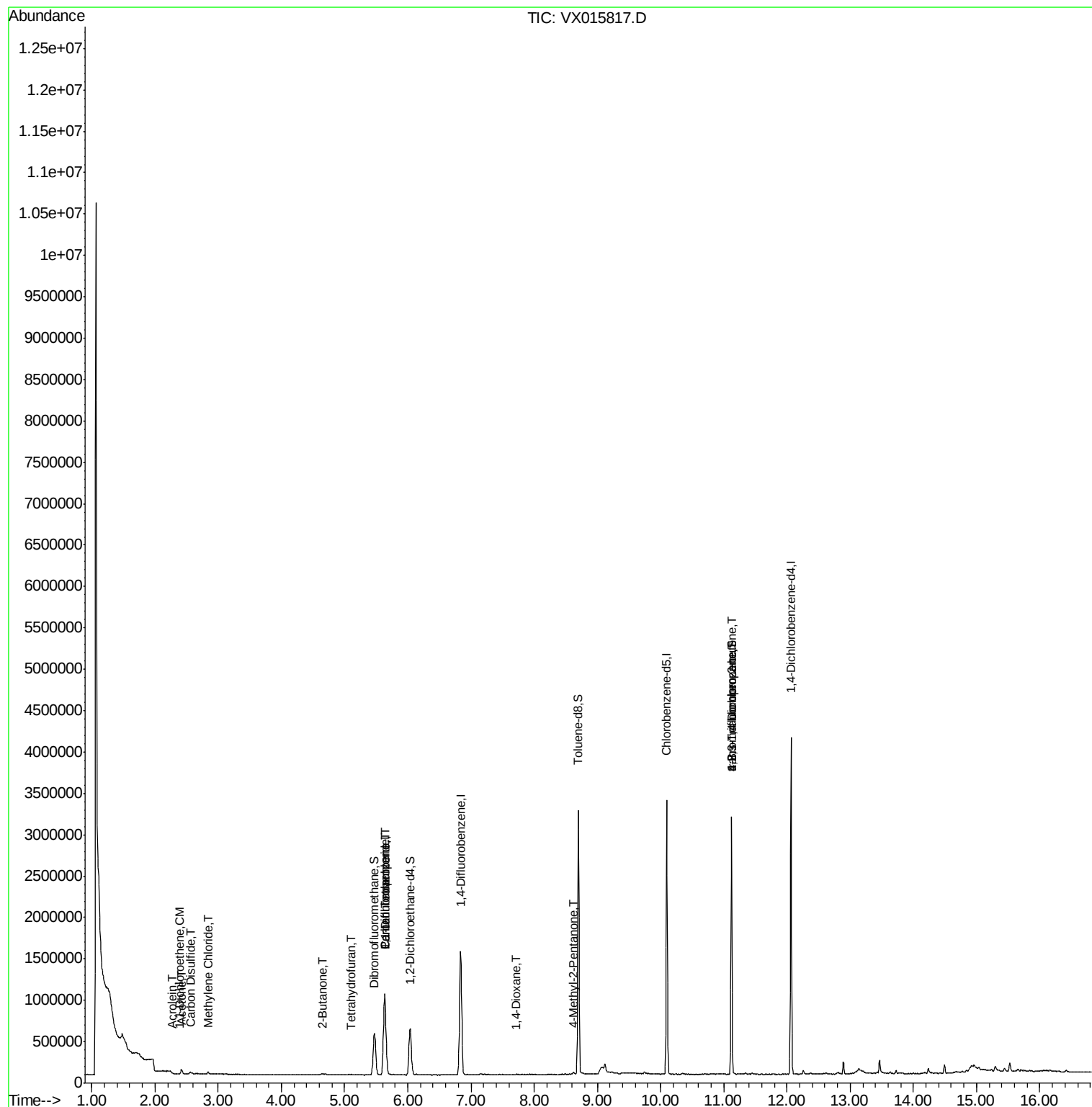
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	164	Below Cal	#	3
12) 1,1-Dichloroethene	2.38	96	2036	0.214	ug/l #	1
13) Acrolein	2.28	56	1289	0.665	ug/l #	59
16) Acetone	2.42	43	68638	11.230	ug/l	92
17) Carbon Disulfide	2.56	76	31821	1.095	ug/l	99
20) Methylene Chloride	2.84	84	10618	0.930	ug/l	91
25) 2-Butanone	4.64	43	12252	1.247	ug/l	93
29) Tetrahydrofuran	5.10	42	5652	0.894	ug/l #	65
36) 1,1-Dichloropropene	5.63	75	68182	4.767	ug/l #	53
38) Carbon Tetrachloride	5.64	117	88620	5.721	ug/l #	15
49) 1,4-Dioxane	7.71	88	3373	11.515	ug/l #	89
51) 4-Methyl-2-Pentanone	8.62	43	12958	0.727	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	386652	22.143	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	386652	53.132	ug/l #	10

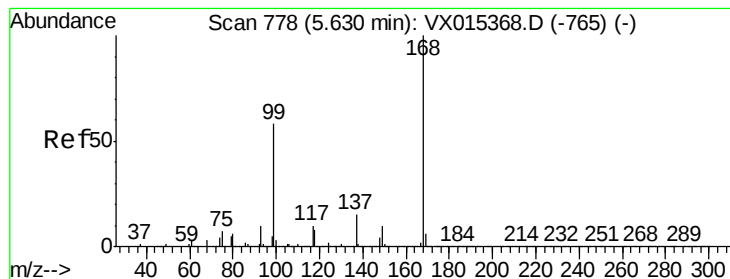
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

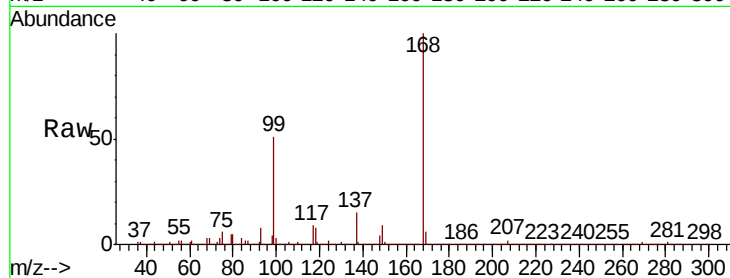
SP-LAWNSIDE

Tot Ion:168 Resp: 1008650

Ion Ratio Lower Upper

168 100

99 51.0 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

400000

300000

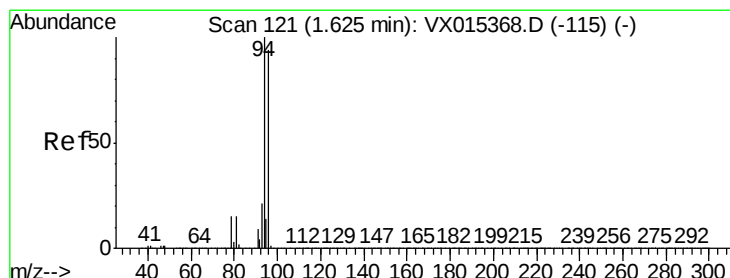
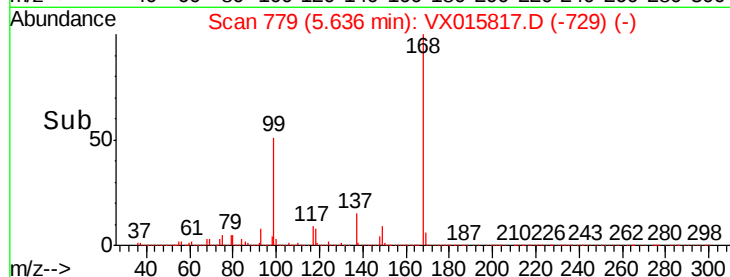
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015817.D

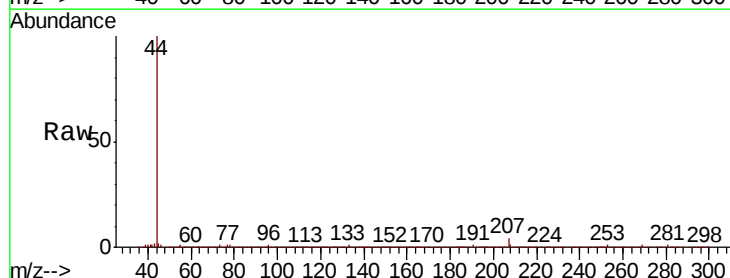
Acq: 22 Apr 2020 00:57

Tgt Ion: 94 Resp: 164

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

1500

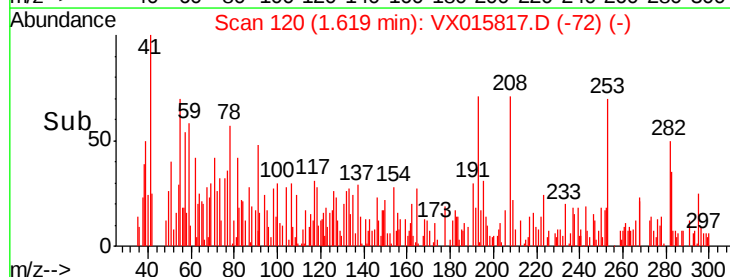
1000

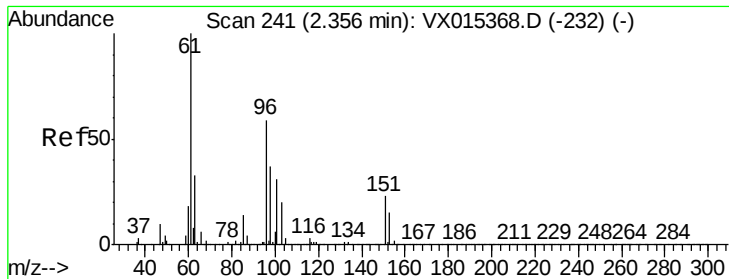
500

0

1.61 1.62 1.63

Time-->





#12

1,1-Dichloroethene

Concen: 0.214 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.02 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampled :

SP-LAWNSIDE

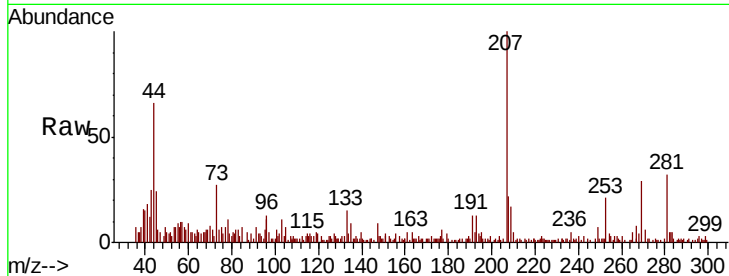
Tot Ion: 96 Resp: 2036

Ion Ratio Lower Upper

96 100

61 0.0 135.7 203.5#

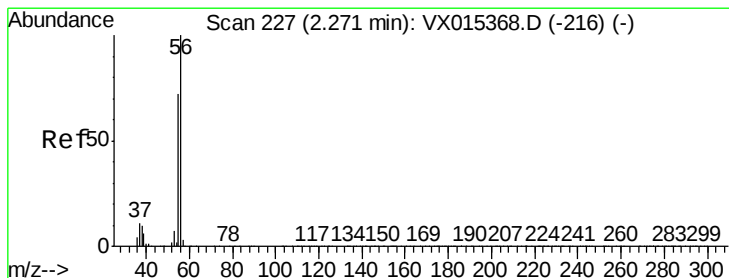
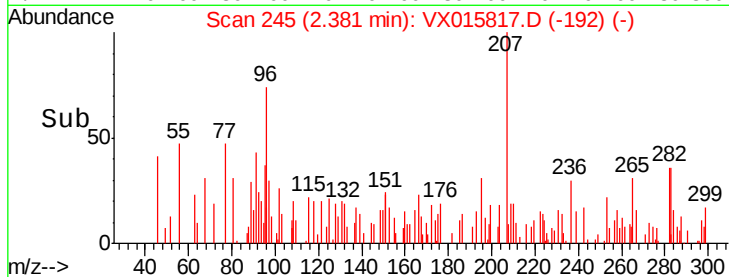
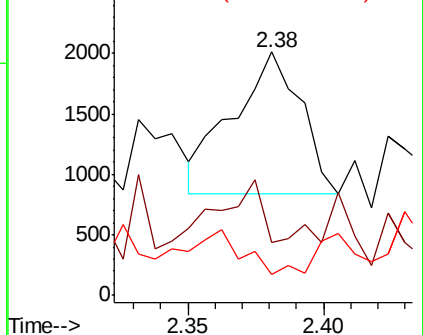
98 0.0 50.6 75.8#



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



#13

Acrolein

Concen: 0.665 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015817.D

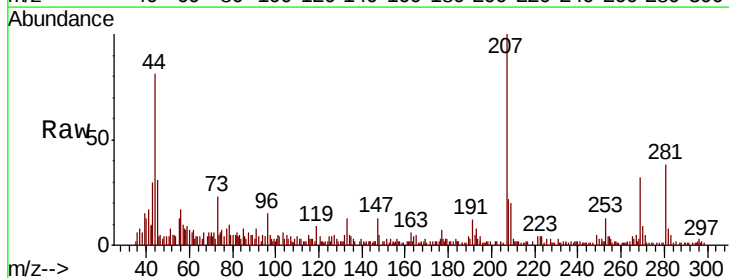
Acq: 22 Apr 2020 00:57

Tgt Ion: 56 Resp: 1289

Ion Ratio Lower Upper

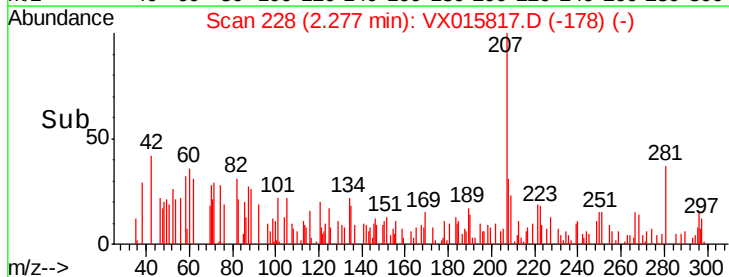
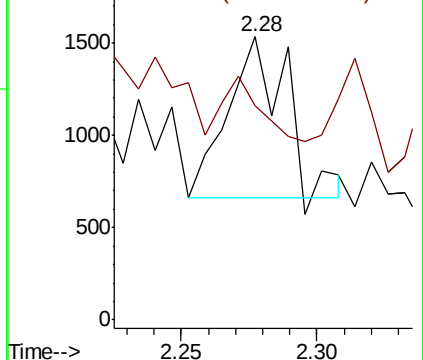
56 100

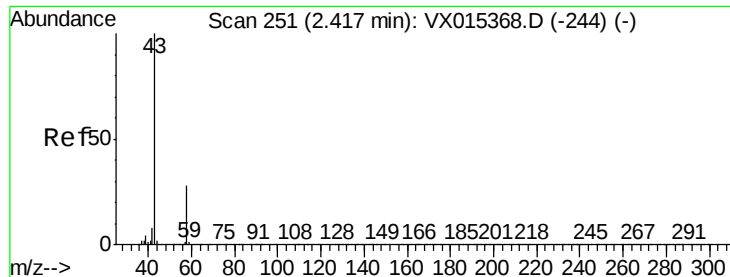
55 37.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 11.230 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

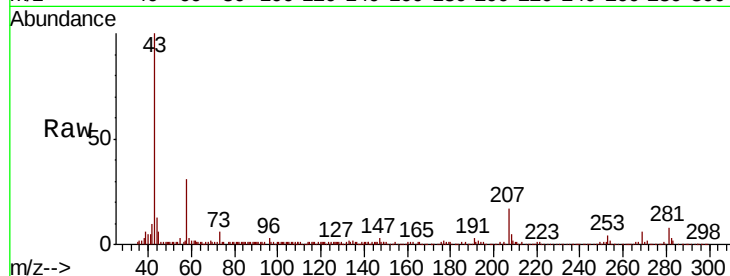
SP-LAWNSIDE

Tot Ion: 43 Resp: 68638

Ion Ratio Lower Upper

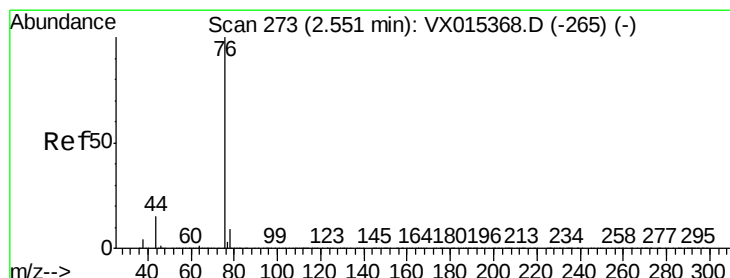
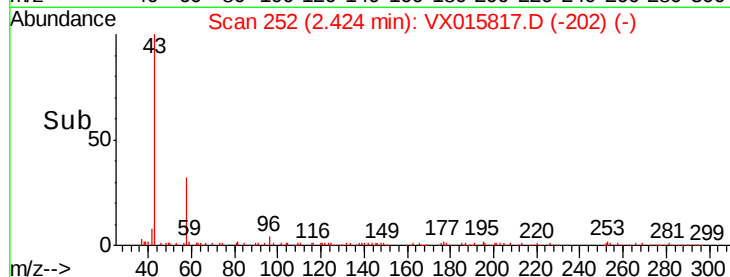
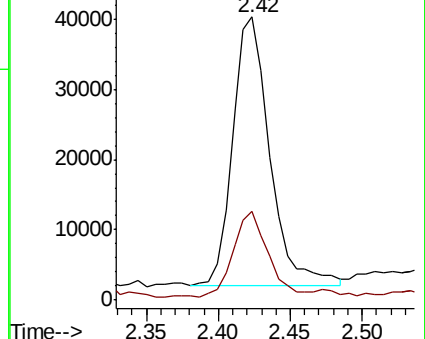
43 100

58 31.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.095 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015817.D

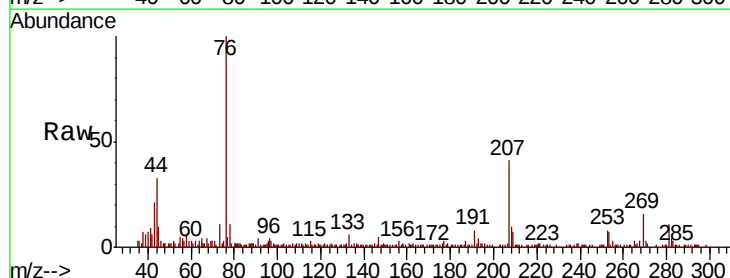
Acq: 22 Apr 2020 00:57

Tgt Ion: 76 Resp: 31821

Ion Ratio Lower Upper

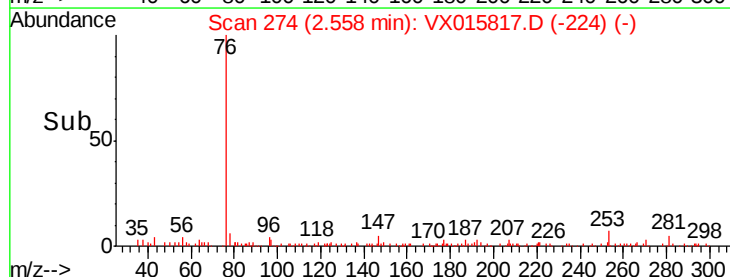
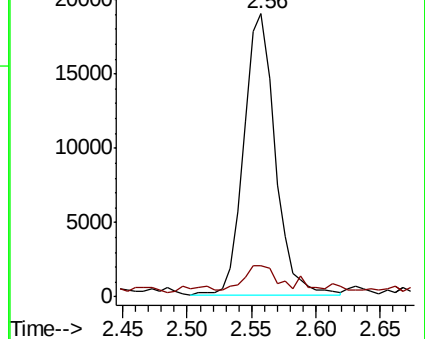
76 100

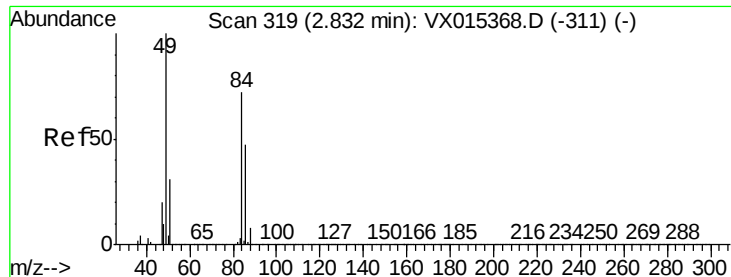
78 8.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

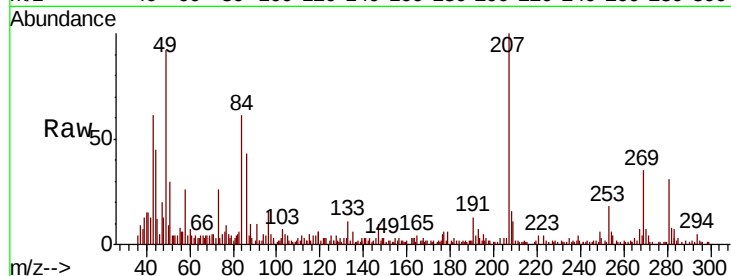




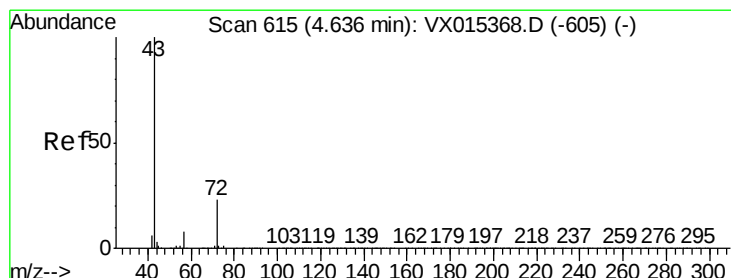
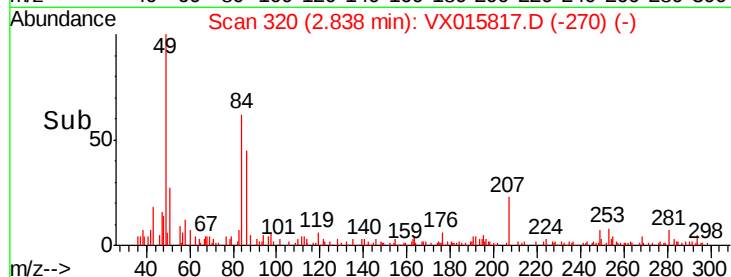
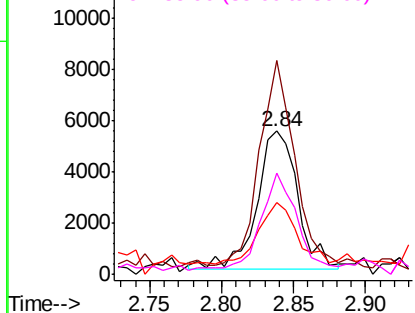
#20
Methvlene Chloride
Concen: 0.930 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015817.D
Acq: 22 Apr 2020 00:57

Instrument :
MSVOA_X
ClientSampleId :
SP-LAWNSIDE

Tot Ion:	84	Resp:	10618
Ion	Ratio	Lower	Upper
84	100		
49	150.9	111.3	166.9
51	45.0	34.0	51.0
86	72.8	52.5	78.7

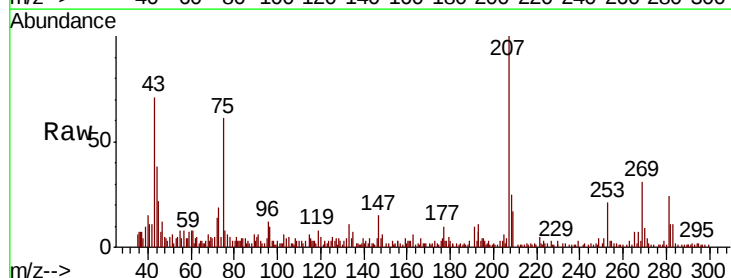


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

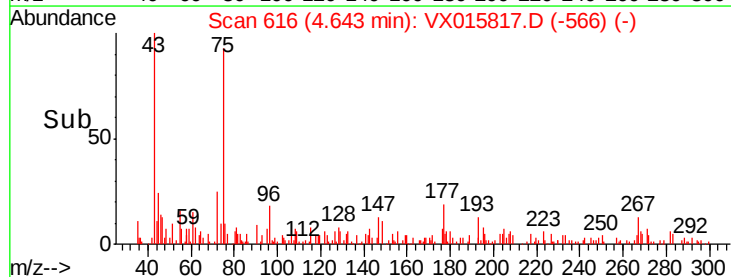
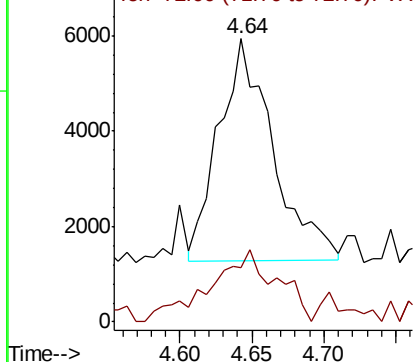


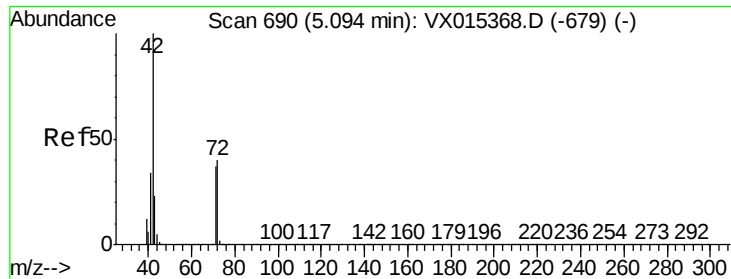
#25
2-Butanone
Concen: 1.247 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015817.D
Acq: 22 Apr 2020 00:57

Tgt Ion:	43	Resp:	12252
Ion	Ratio	Lower	Upper
43	100		
72	20.3	19.0	28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.894 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

SP-LAWNSIDE

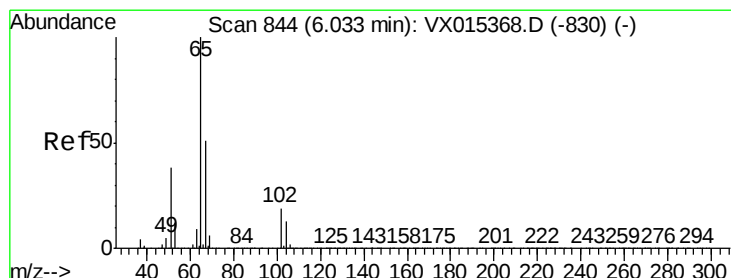
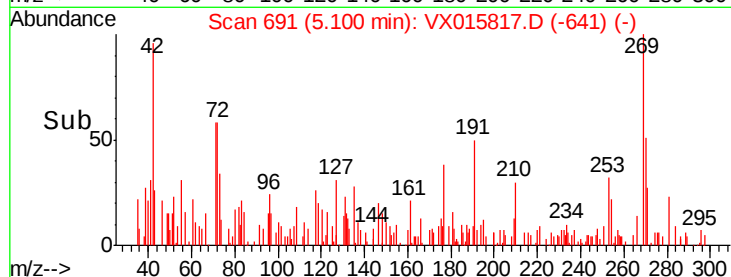
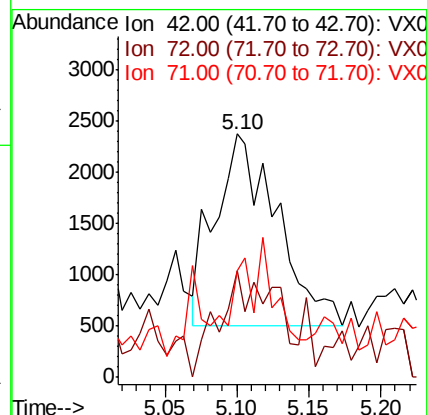
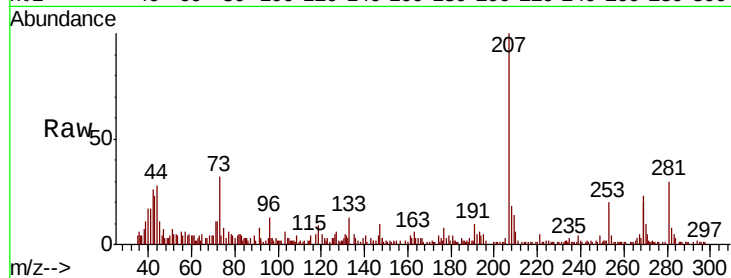
Tot Ion: 42 Resp: 5652

Ion Ratio Lower Upper

42 100

72 24.7 31.7 47.5#

71 9.2 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 37.958 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015817.D

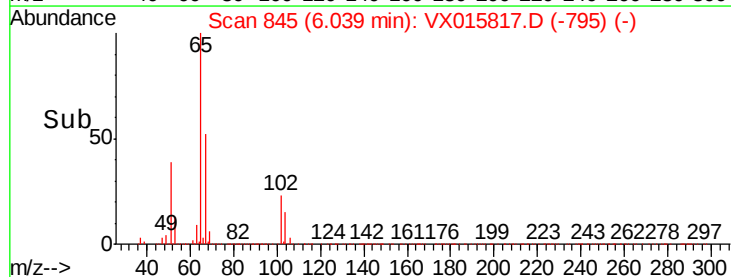
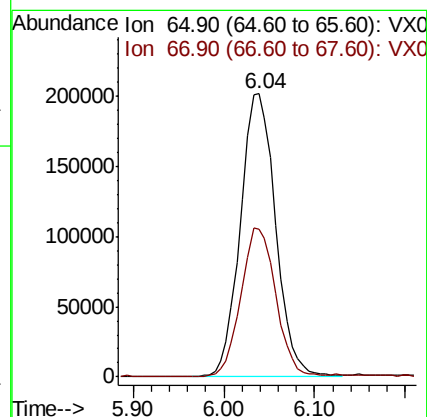
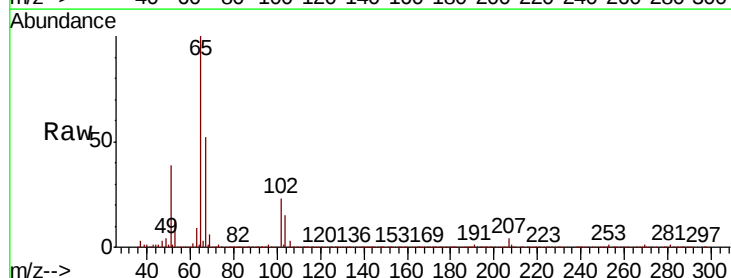
Acq: 22 Apr 2020 00:57

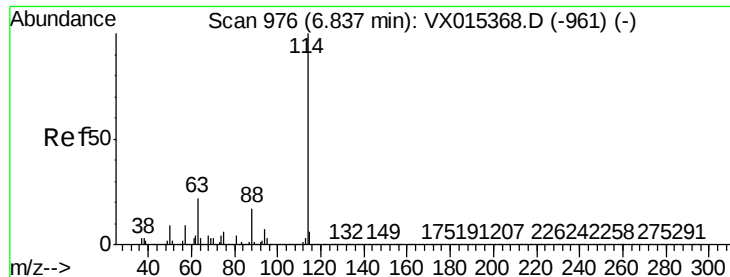
Tgt Ion: 65 Resp: 539988

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.6

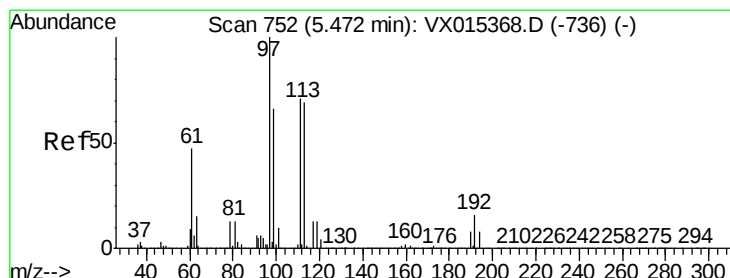
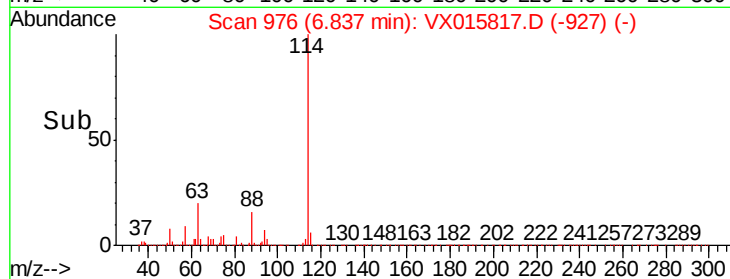
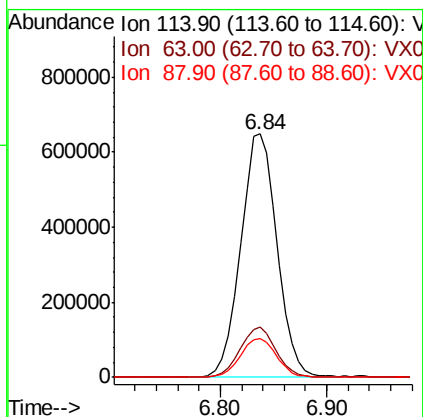
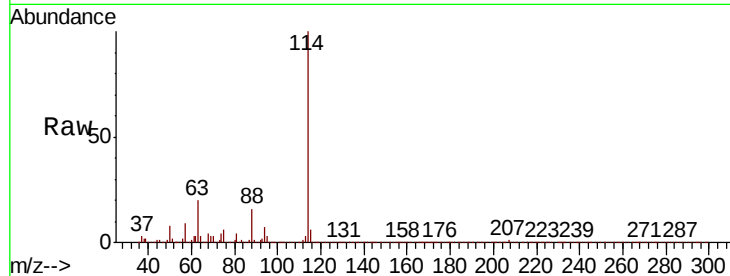




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015817.D
 Acq: 22 Apr 2020 00:57

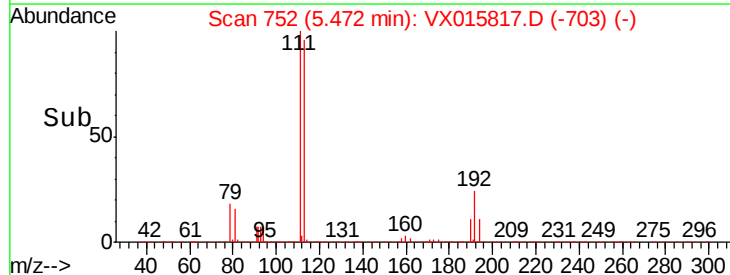
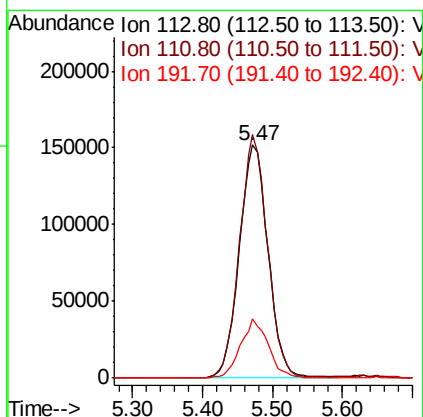
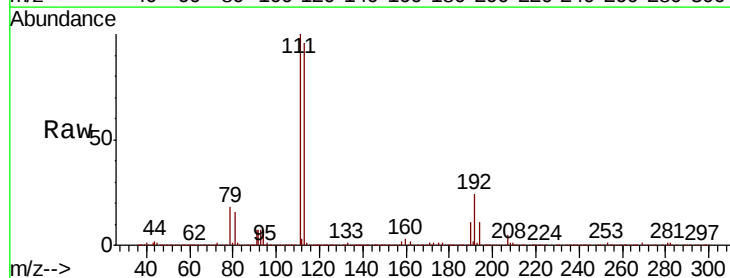
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-LAWNSIDE

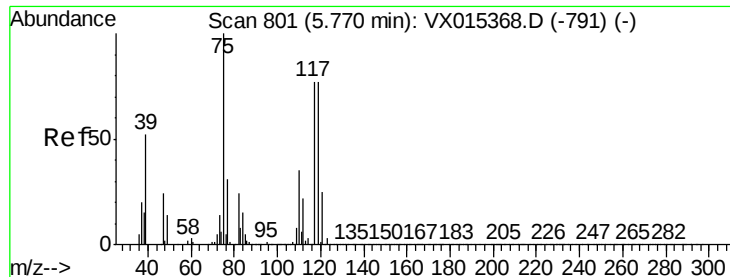
Tot Ion:114 Resp: 1552241
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 44.2
 88 16.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 43.552 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015817.D
 Acq: 22 Apr 2020 00:57

Tgt Ion:113 Resp: 432140
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 24.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

SP-LAWNSIDE

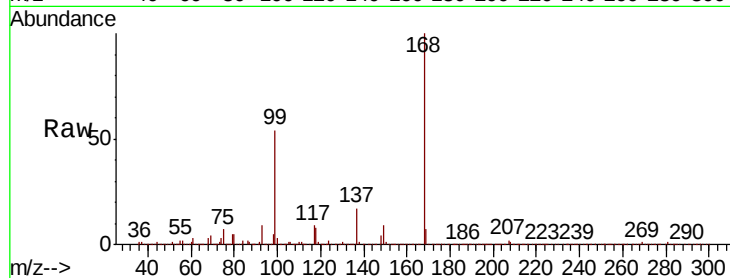
Tot Ion: 75 Resp: 68182

Ion Ratio Lower Upper

75 100

110 11.4 17.1 51.3#

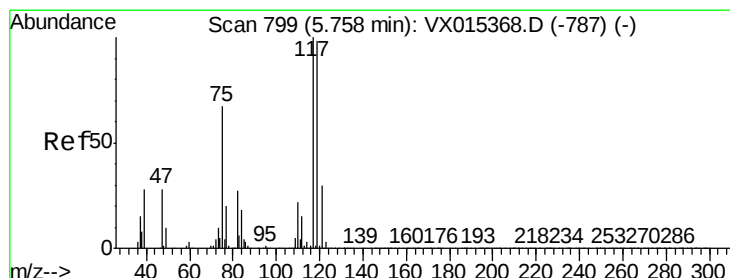
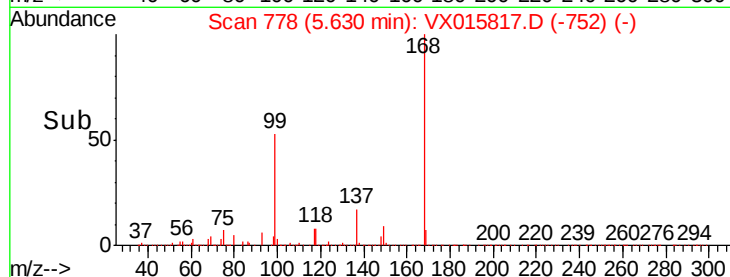
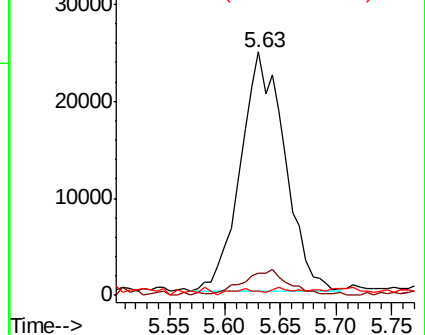
77 0.6 24.6 36.8#



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: 5.721 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

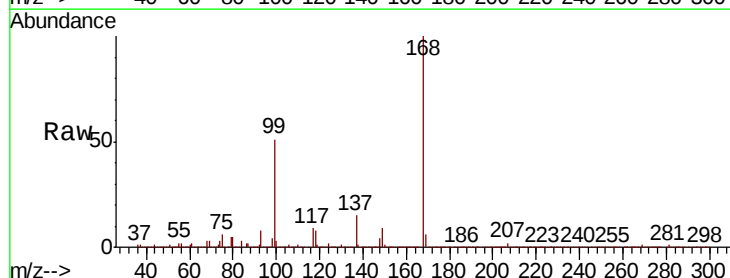
Tgt Ion:117 Resp: 88620

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

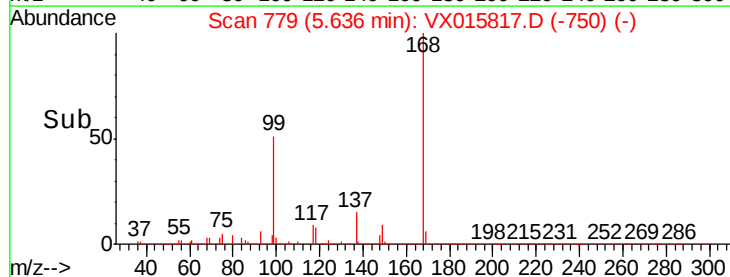
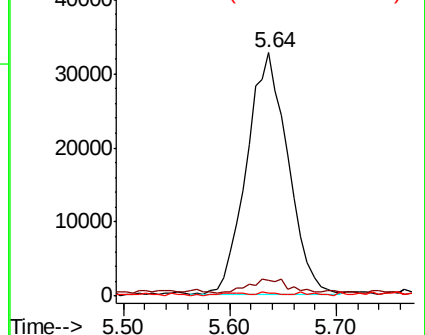
121 1.1 23.8 35.8#

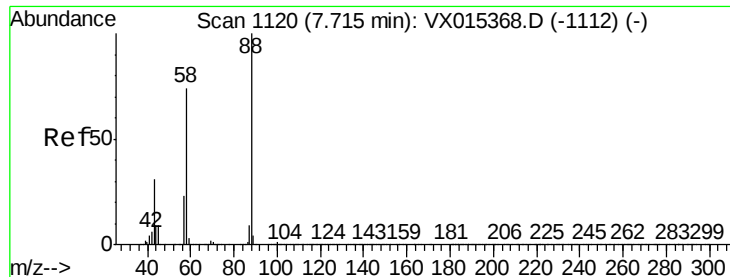


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 11.515 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

SP-LAWNSIDE

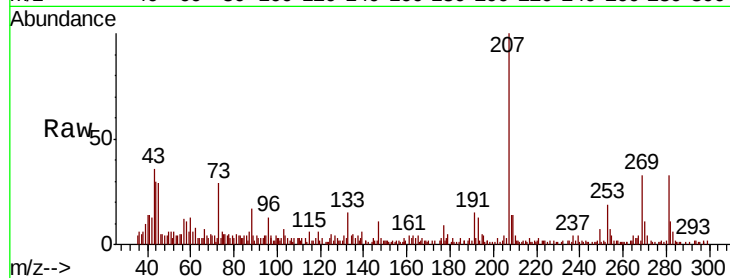
Tot Ion: 88 Resp: 3373

Ion Ratio Lower Upper

88 100

43 26.7 30.1 45.1#

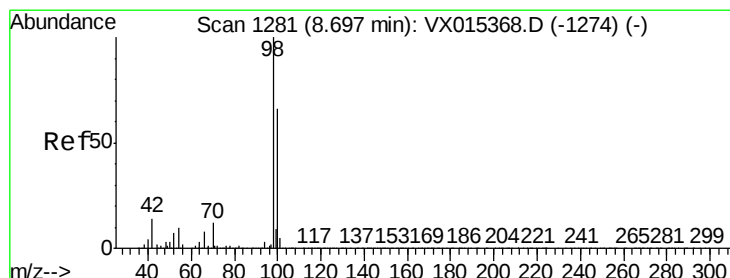
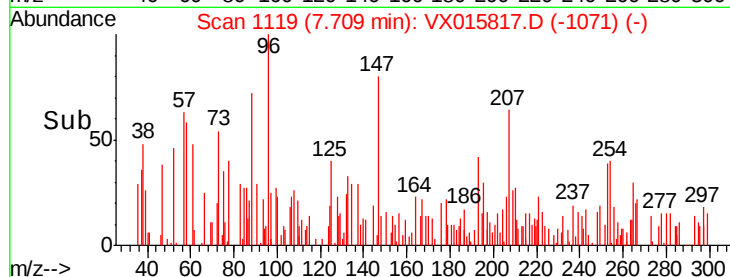
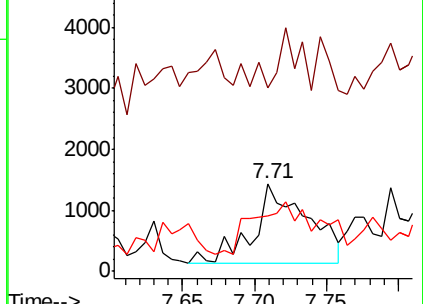
58 81.8 60.6 90.8



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: 50.941 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015817.D

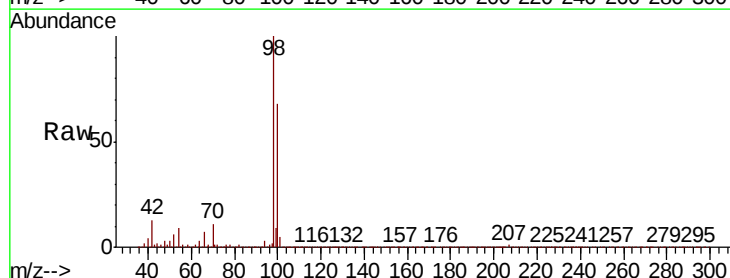
Acq: 22 Apr 2020 00:57

Tgt Ion: 98 Resp: 1860955

Ion Ratio Lower Upper

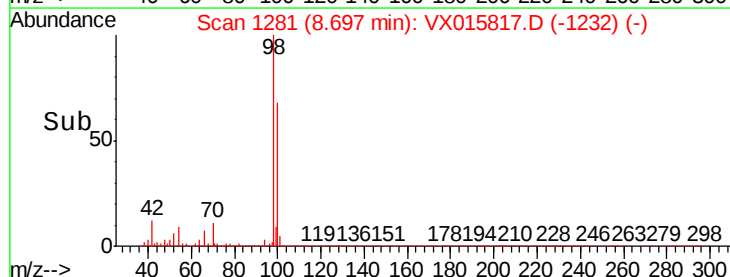
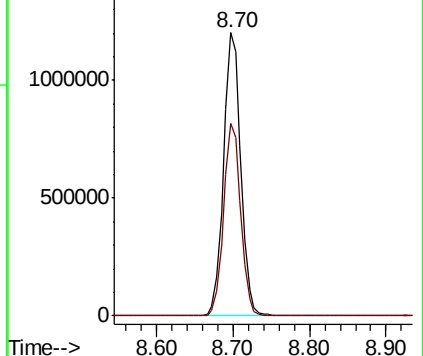
98 100

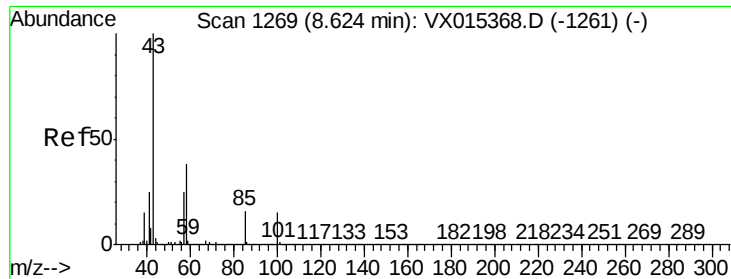
100 67.8 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

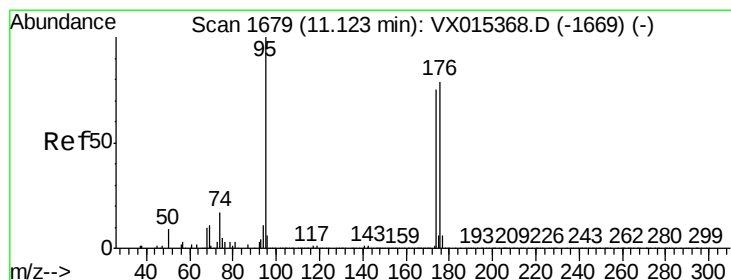
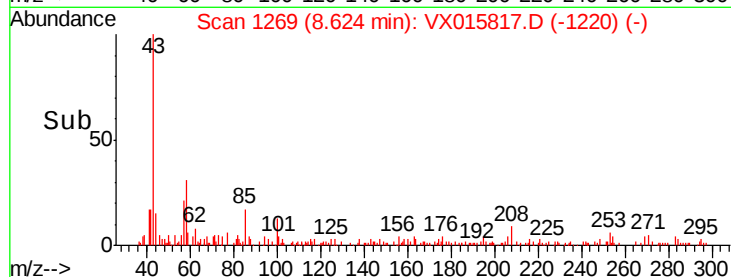
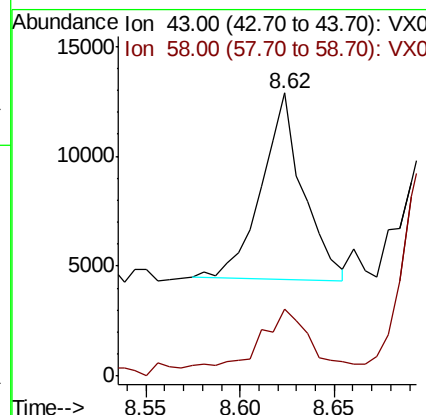
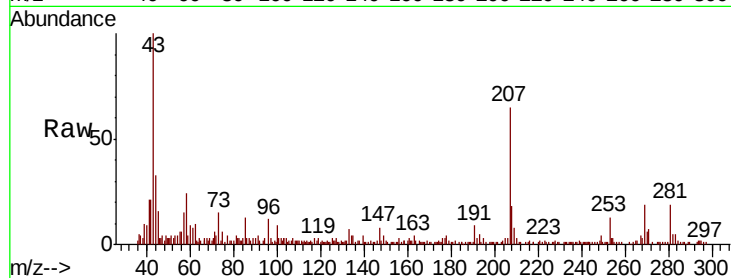




#51
 4-Methyl-2-Pentanone
 Concen: 0.727 ug/l
 RT: 8.62 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX015817.D
 Acq: 22 Apr 2020 00:57

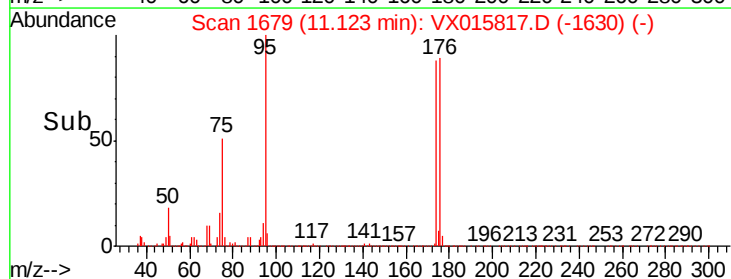
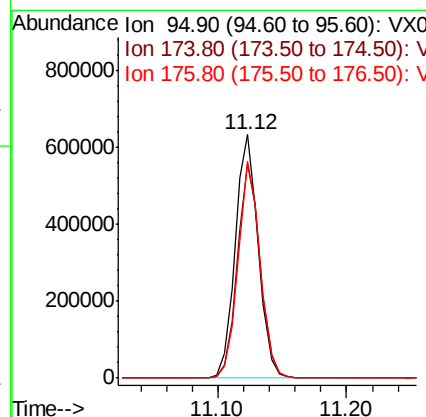
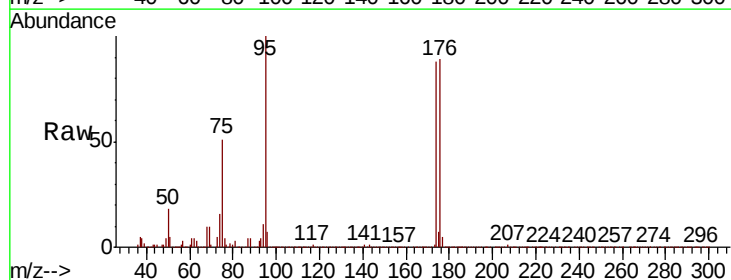
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-LAWNSIDE

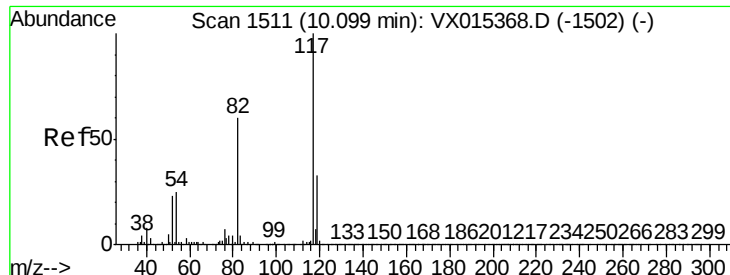
Tot Ion: 43 Resp: 12958
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.7 44.5



#62
 4-Bromofluorobenzene
 Concen: 53.021 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VX015817.D
 Acq: 22 Apr 2020 00:57

Tgt Ion: 95 Resp: 787175
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 158.6
 176 85.4 0.0 159.0

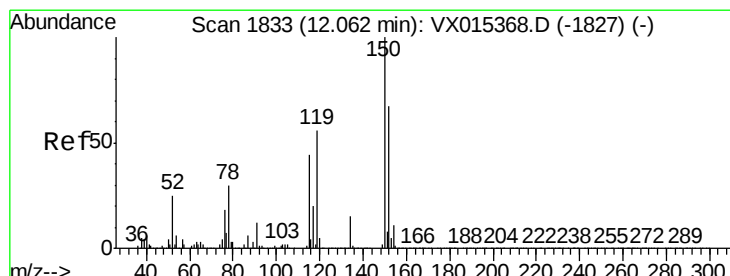
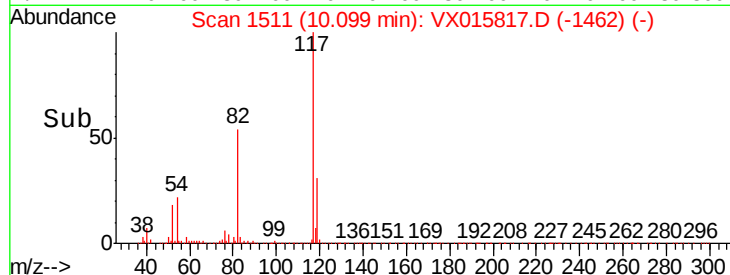
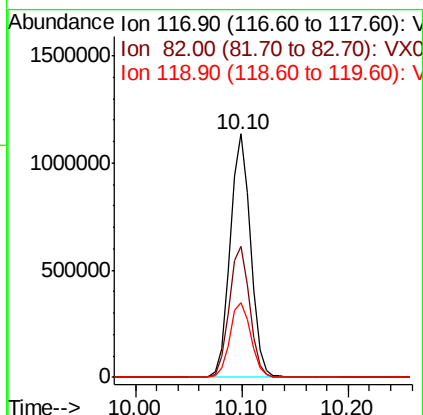
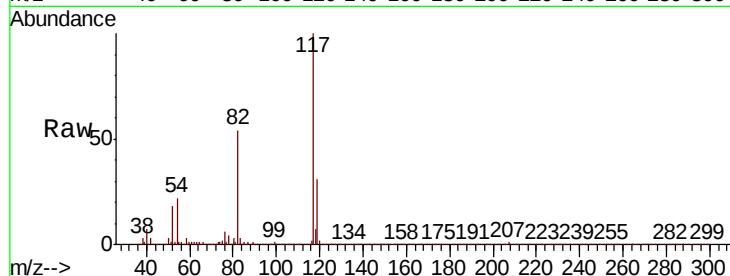




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015817.D
Acq: 22 Apr 2020 00:57

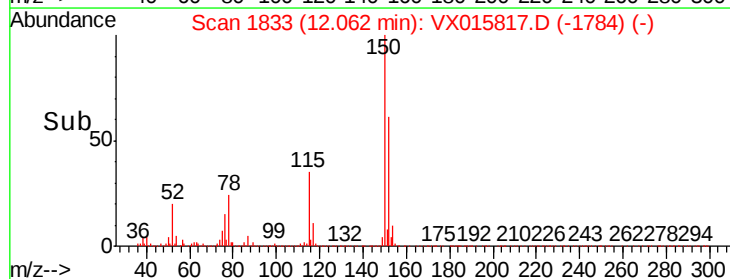
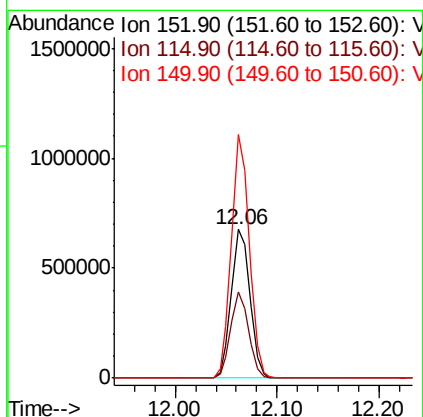
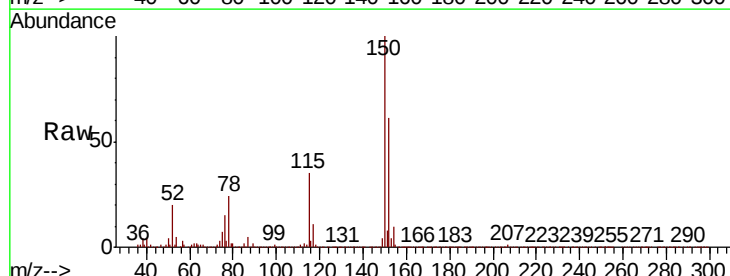
Instrument :
MSVOA_X
ClientSampleId :
SP-LAWNSIDE

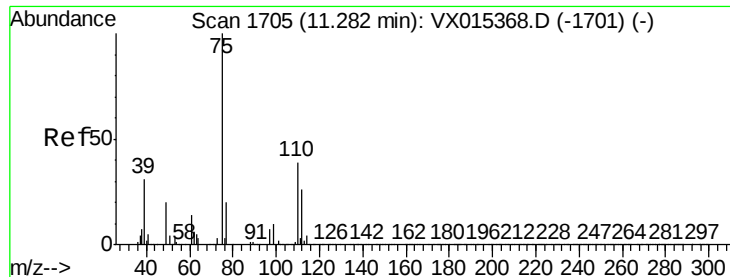
Tot Ion:117 Resp: 1531767
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.8
119 30.9 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015817.D
Acq: 22 Apr 2020 00:57

Tgt Ion:152 Resp: 849115
Ion Ratio Lower Upper
152 100
115 55.6 39.0 116.9
150 157.3 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 22.143 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

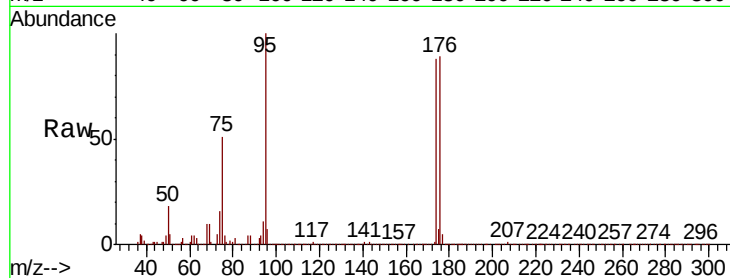
SP-LAWNSIDE

Tot Ion: 75 Resp: 386652

Ion Ratio Lower Upper

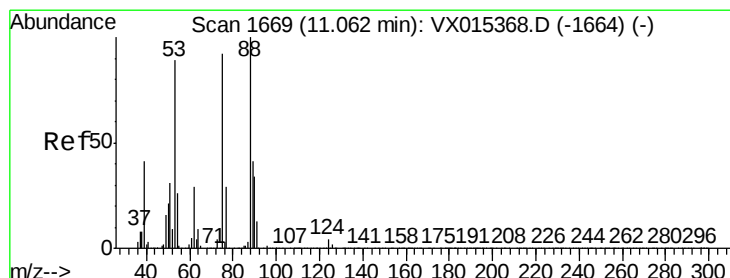
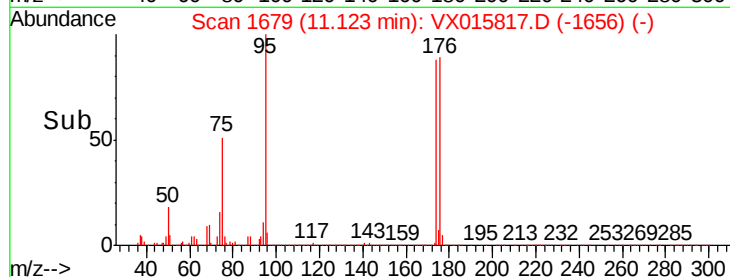
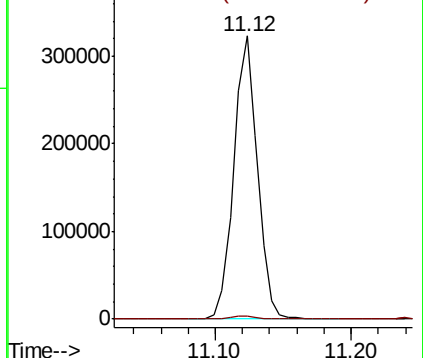
75 100

77 1.2 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: 53.132 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015817.D

Acq: 22 Apr 2020 00:57

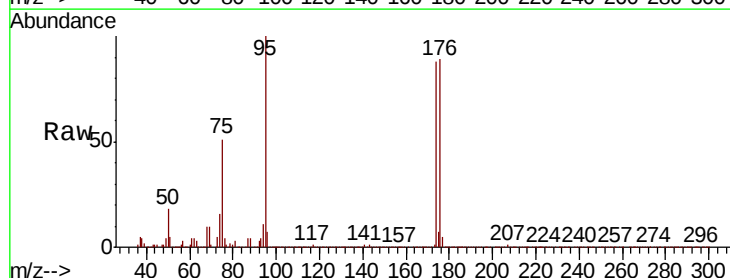
Tgt Ion: 75 Resp: 386652

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.0 36.1 54.1#



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

