

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012283.D
 Acq On : 29 Aug 2019 05:28
 Operator : SY/VA
 Sample : K4539-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

Quant Time: Aug 29 06:55:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120742	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	124539	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	104436	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.32	98	436923	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	162170	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	

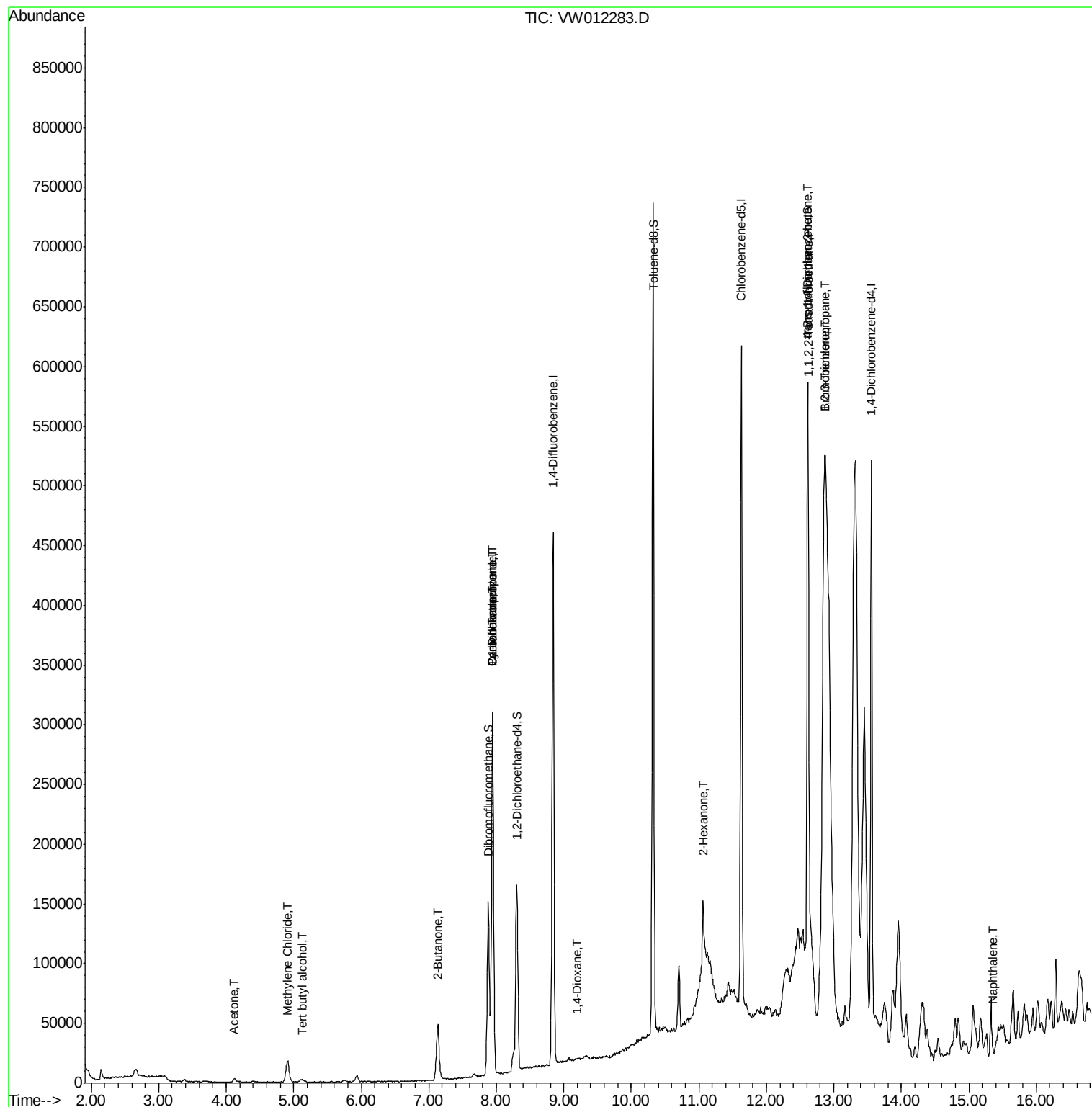
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2947	18.960	ug/l #	74
16) Acetone	4.12	43	5648	8.555	ug/l	95
20) Methylene Chloride	4.91	84	12366	4.955	ug/l	94
25) 2-Butanone	7.13	43	3213	3.581	ug/l #	81
31) Cyclohexane	7.94	56	5794	1.245	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19323	5.232	ug/l #	53
38) Carbon Tetrachloride	7.95	117	22627	7.079	ug/l #	17
49) 1,4-Dioxane	9.19	88	19	1.028	ug/l #	1
59) 2-Hexanone	11.07	43	1418	1.051	ug/l	66
75) 1,1,2,2-Tetrachloroethane	12.63	83	14816	8.933	ug/l #	28
76) 1,2,3-Trichloropropane	12.88	75	29422	25.020	ug/l #	100
77) Bromobenzene	12.87	156	754320	385.388	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	74781	139.429	ug/l #	6
95) Naphthalene	15.36	128	388	4.399	ug/l #	81

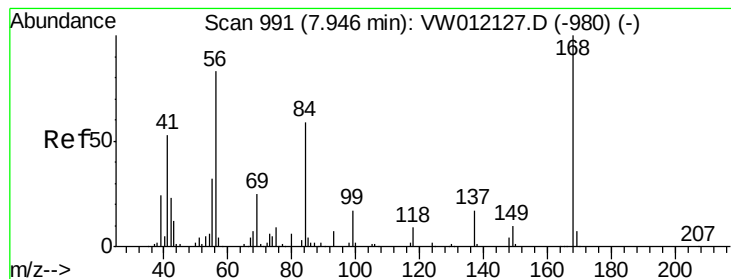
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampled :

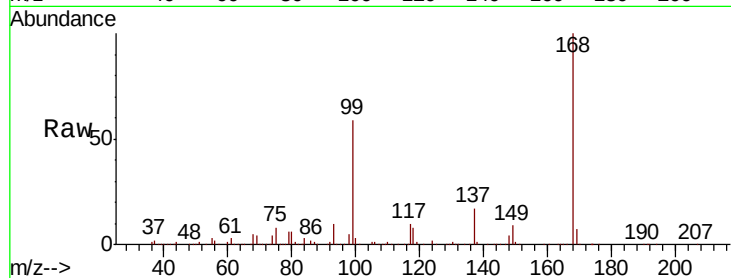
SB-1

Tgt Ion:168 Resp: 217271

Ion Ratio Lower Upper

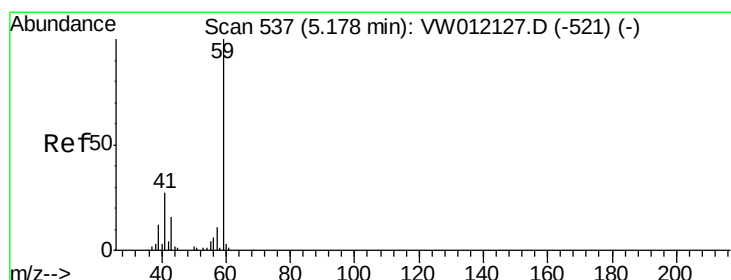
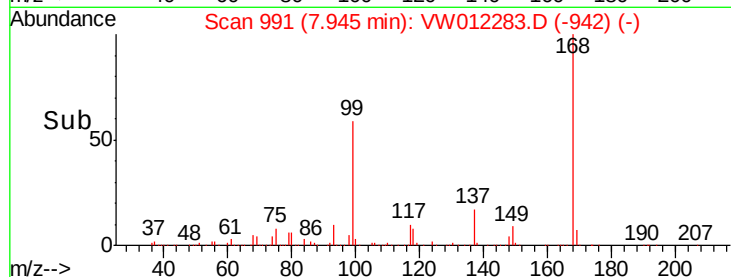
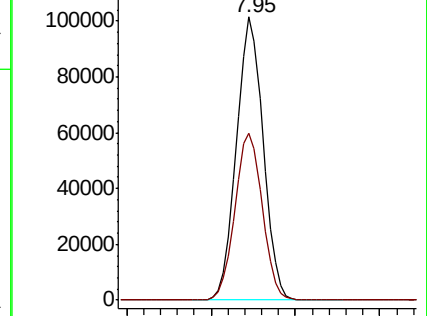
168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 18.960 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW012283.D

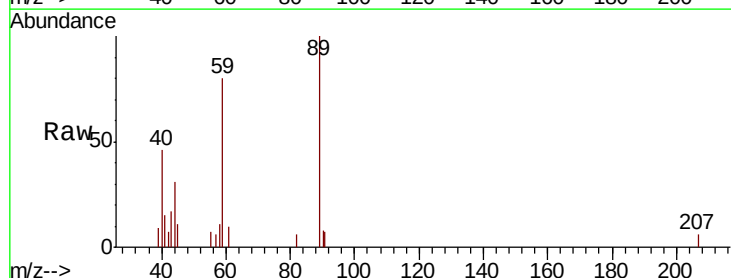
Acq: 29 Aug 2019 05:28

Tgt Ion: 59 Resp: 2947

Ion Ratio Lower Upper

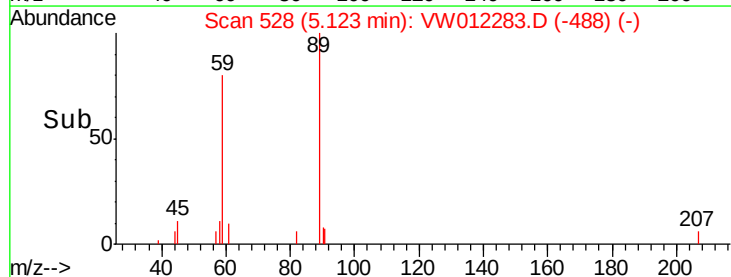
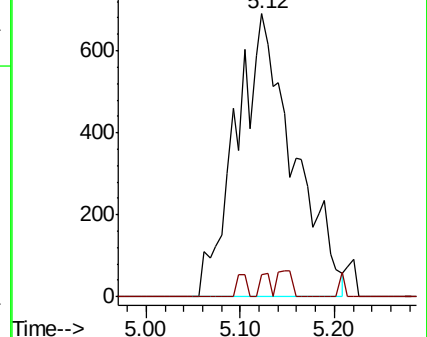
59 100

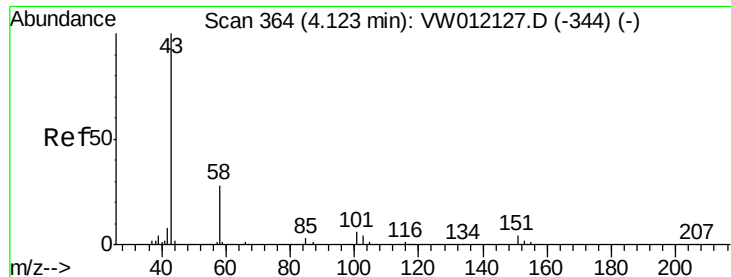
57 1.4 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.555 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampled :

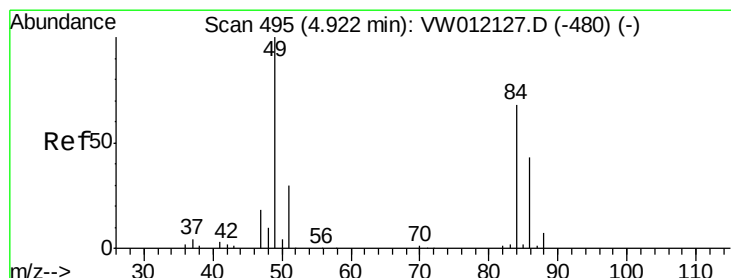
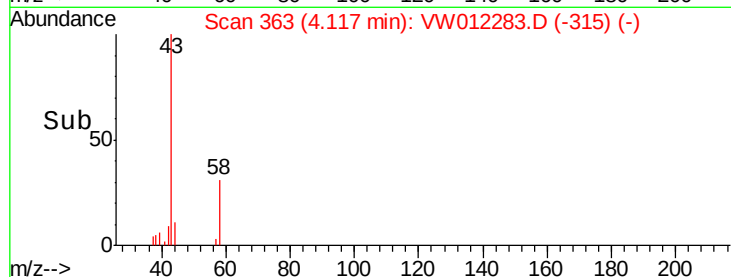
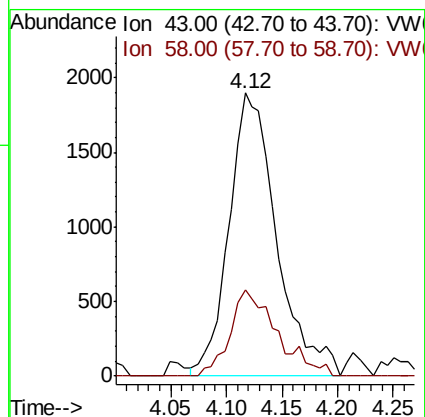
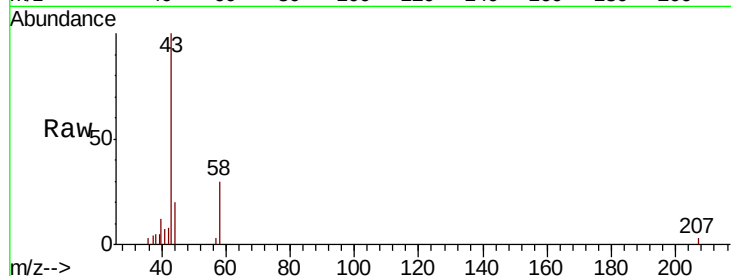
SB-1

Tgt Ion: 43 Resp: 5648

Ion Ratio Lower Upper

43 100

58 30.5 22.4 33.6



#20

Methylene Chloride

Concen: 4.955 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Tgt Ion: 84 Resp: 12366

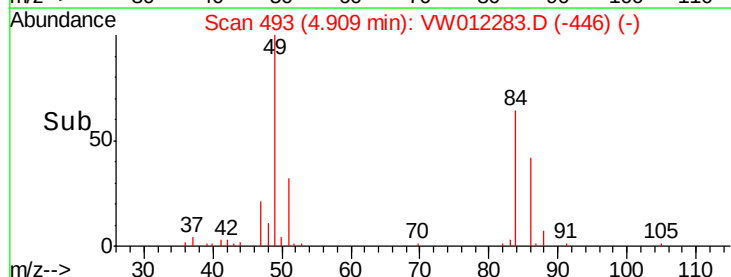
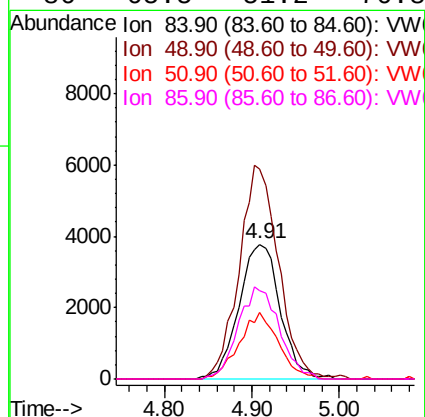
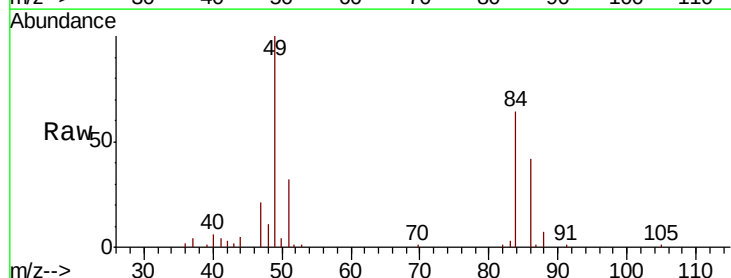
Ion Ratio Lower Upper

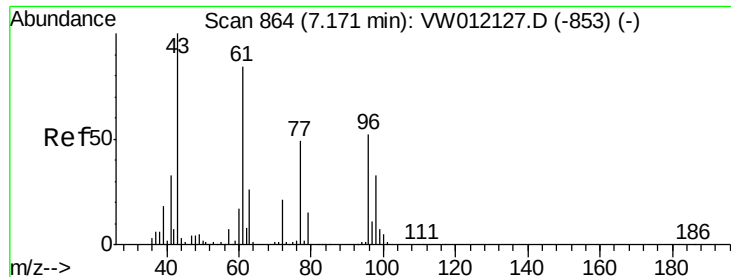
84 100

49 155.9 117.8 176.8

51 49.2 35.6 53.4

86 65.5 51.2 76.8





#25

2-Butanone

Concen: 3.581 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampled :

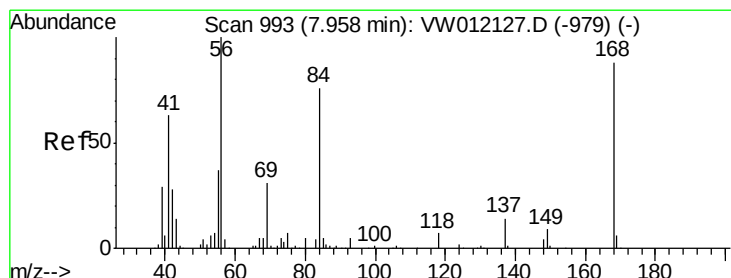
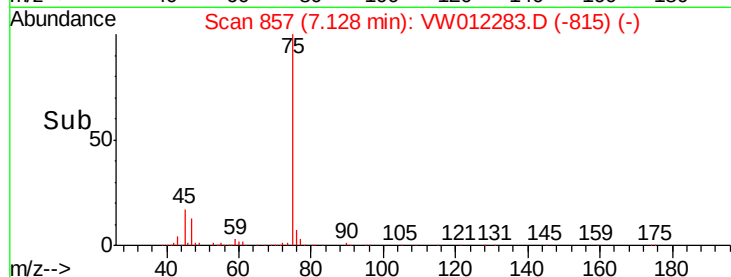
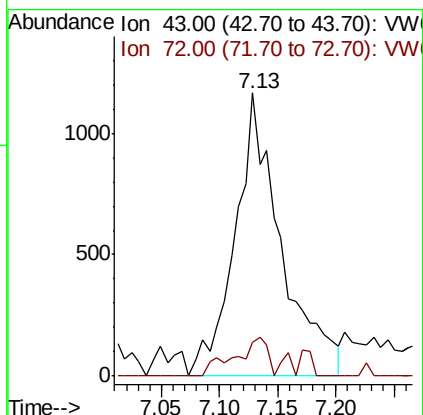
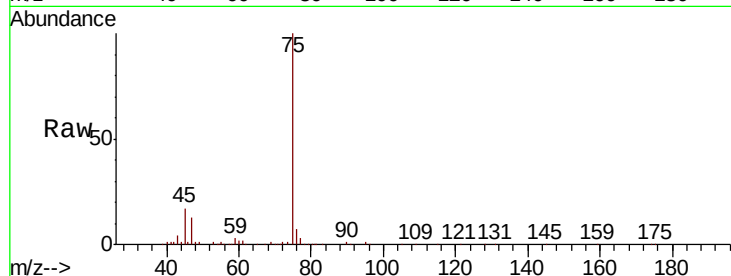
SB-1

Tgt Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

72 11.8 16.6 24.8#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

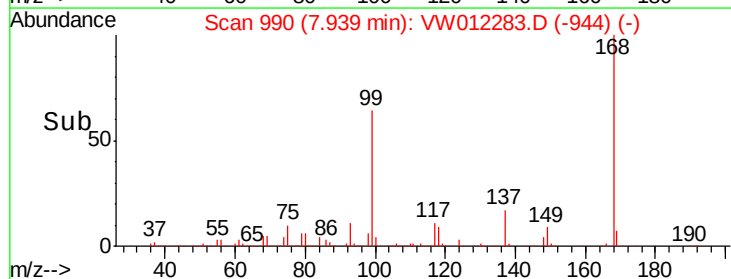
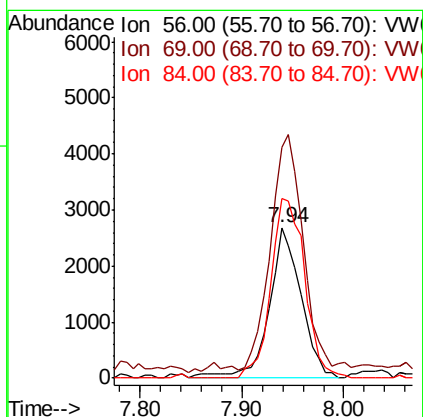
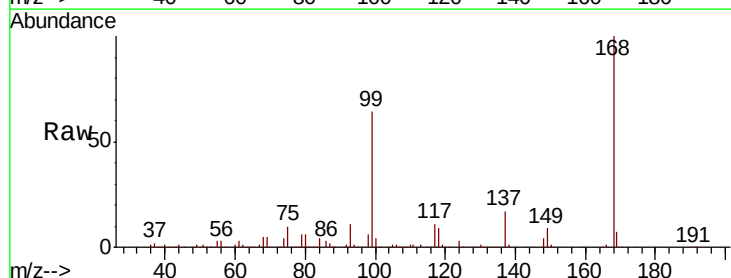
Tgt Ion: 56 Resp: 5794

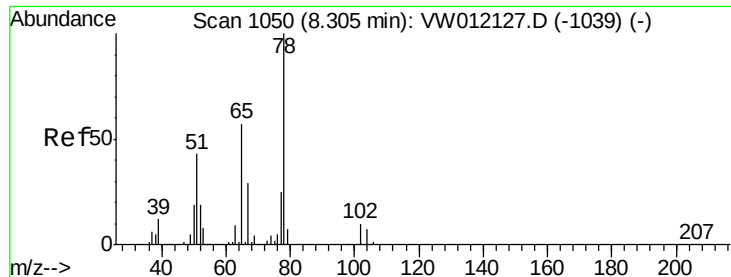
Ion Ratio Lower Upper

56 100

69 149.6 24.9 37.3#

84 119.1 60.6 90.8#

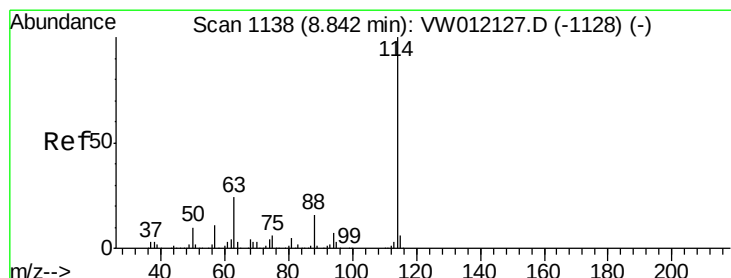
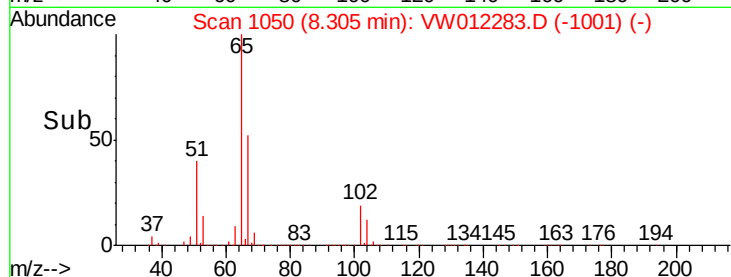
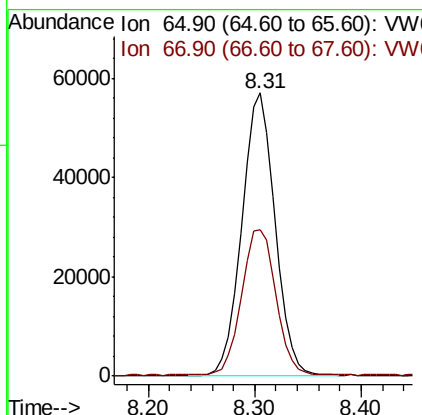
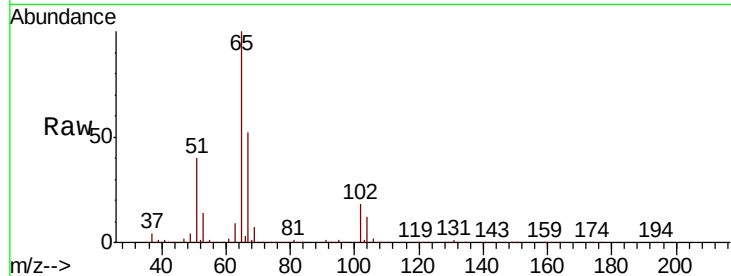




#33
 1,2-Dichloroethane-d4
 Concen: 48.218 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

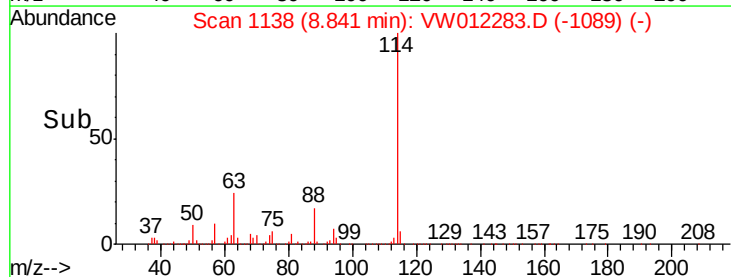
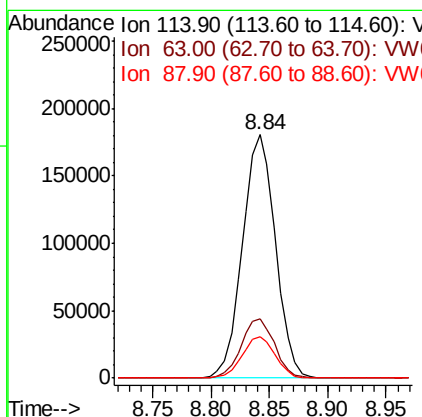
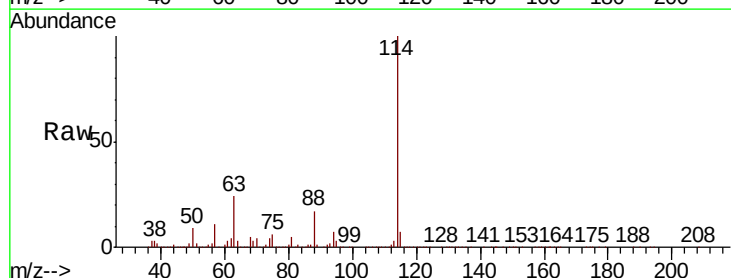
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

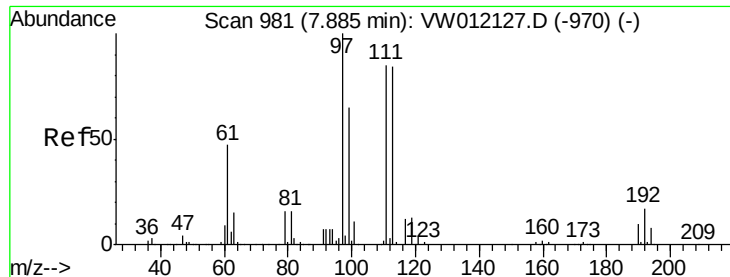
Tgt Ion: 65 Resp: 124539
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

Tgt Ion: 114 Resp: 357362
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.8 0.0 32.2

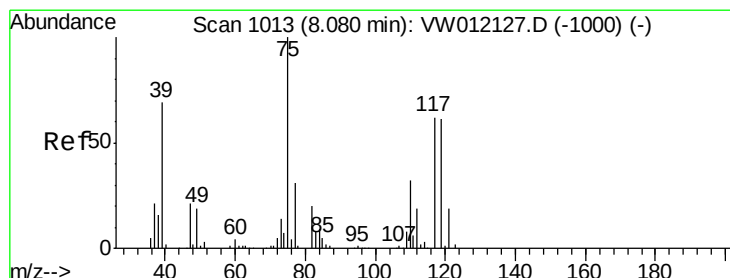
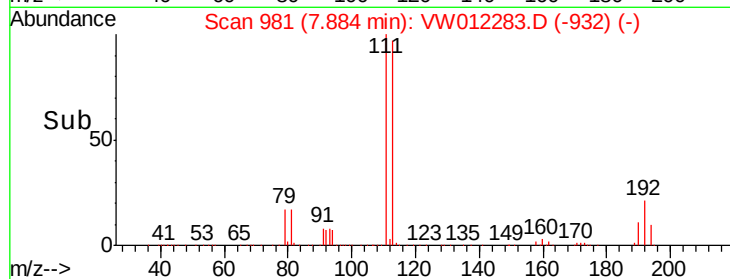
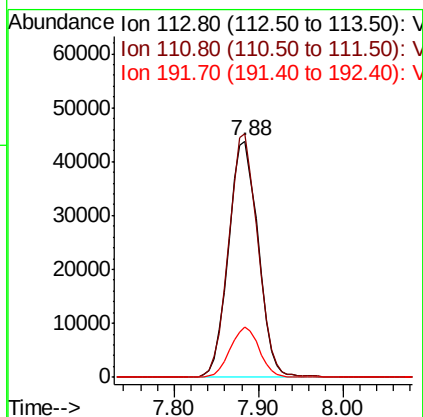
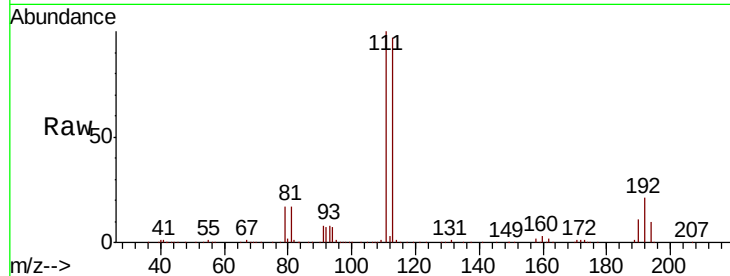




#35
 Dibromofluoromethane
 Concen: 48.960 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

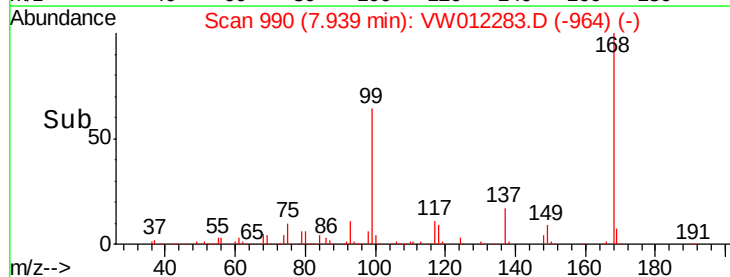
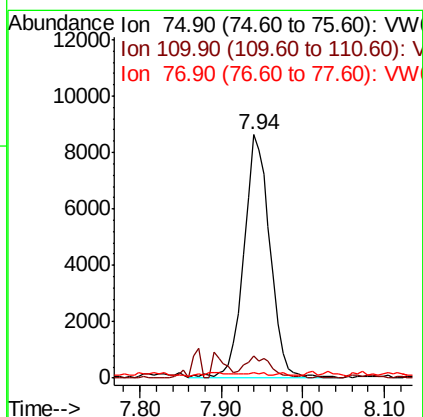
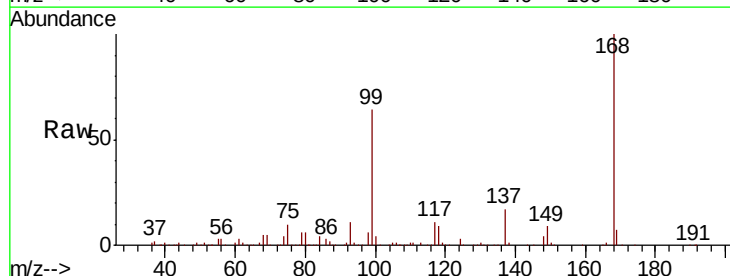
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

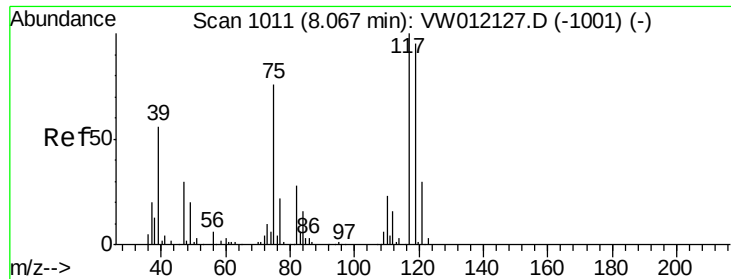
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.7	124.1
192	20.9	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.232 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.9	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.079 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampled :

SB-1

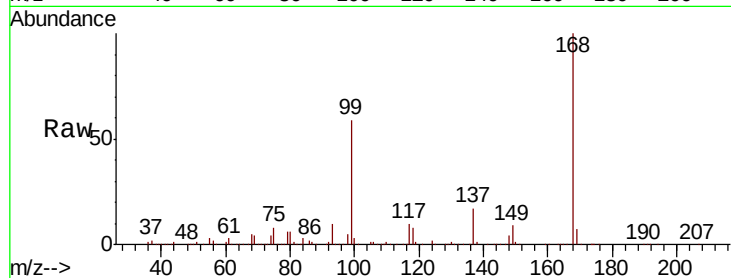
Tgt Ion:117 Resp: 22627

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

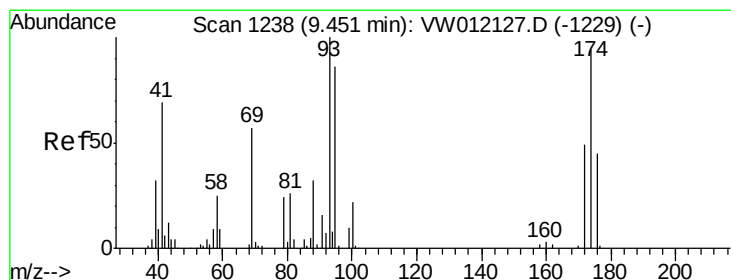
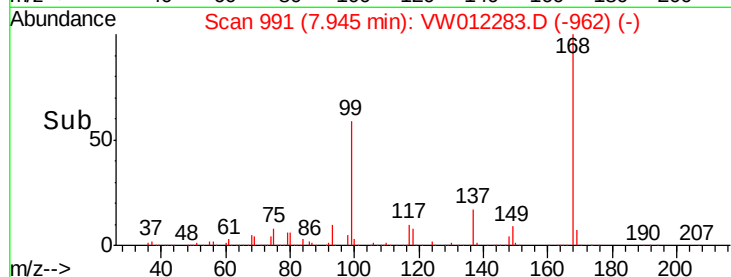
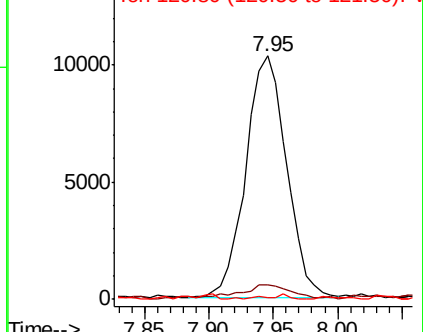
121 0.3 23.8 35.8#



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: 1.028 ug/l

RT: 9.19 min Scan# 1195

Delta R.T. -0.26 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

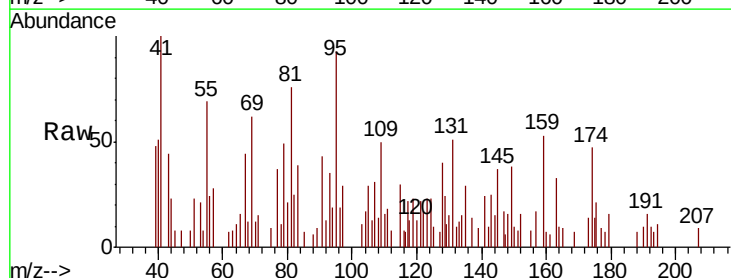
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1047.4 32.9 49.3#

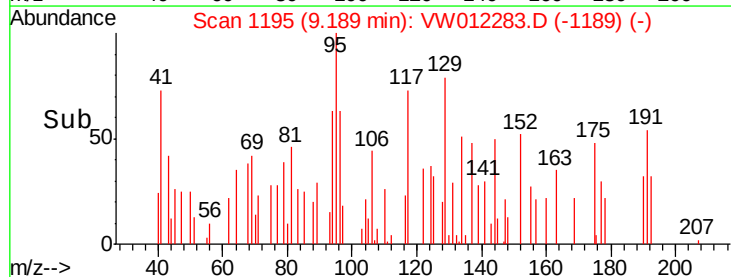
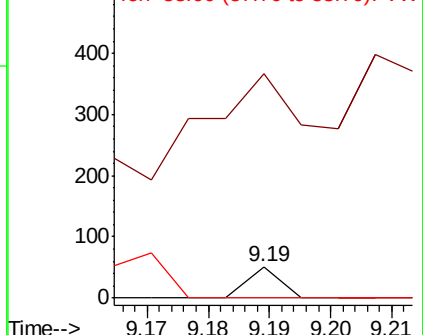
58 0.0 71.0 106.4#

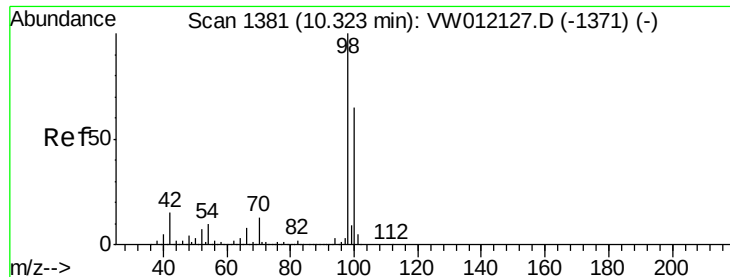


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

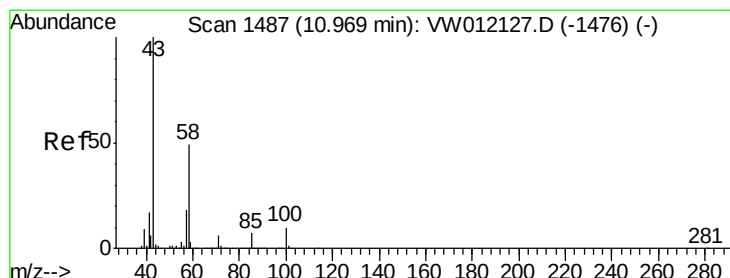
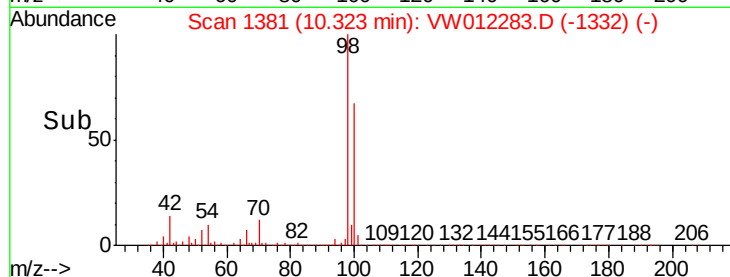
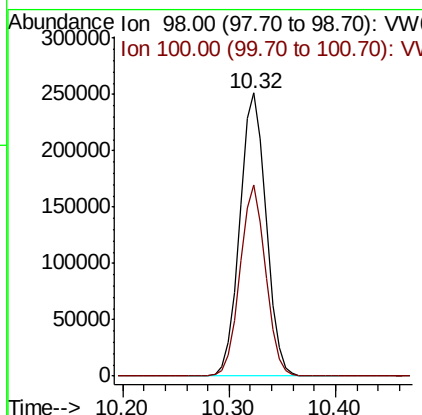
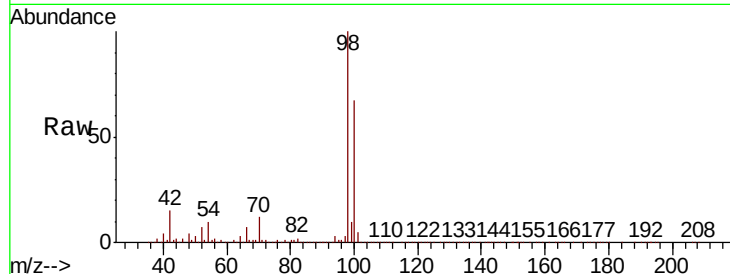




#50
Toluene-d8
Concen: 50.517 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012283.D
Acq: 29 Aug 2019 05:28

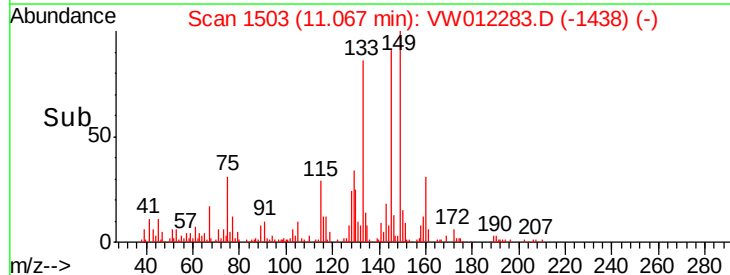
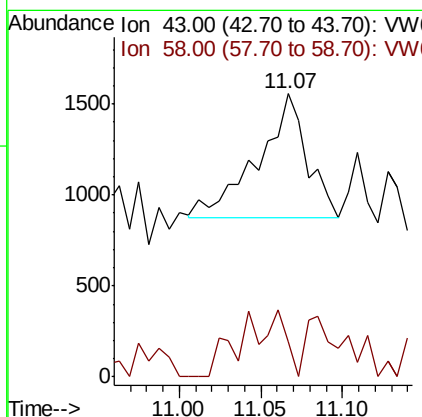
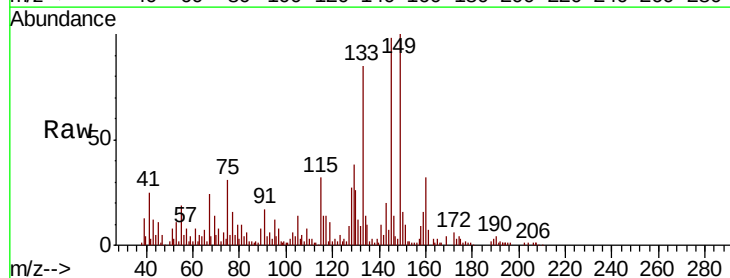
Instrument :
MSVOA_W
ClientSampled :
SB-1

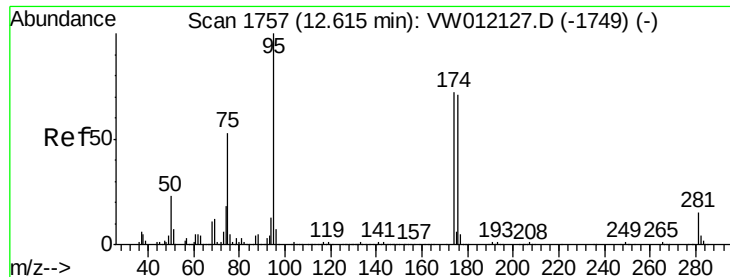
Tgt Ion: 98 Resp: 436923
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#59
2-Hexanone
Concen: 1.051 ug/l
RT: 11.07 min Scan# 1503
Delta R.T. 0.10 min
Lab File: VW012283.D
Acq: 29 Aug 2019 05:28

Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 25.6 24.3 72.9





#62

4-Bromofluorobenzene

Concen: 53.191 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampleId :

SB-1

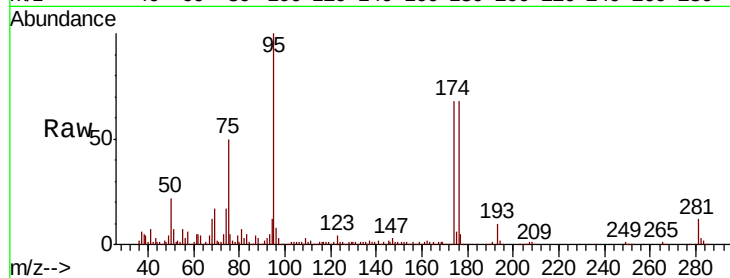
Tgt Ion: 95 Resp: 162170

Ion Ratio Lower Upper

95 100

174 66.5 0.0 150.8

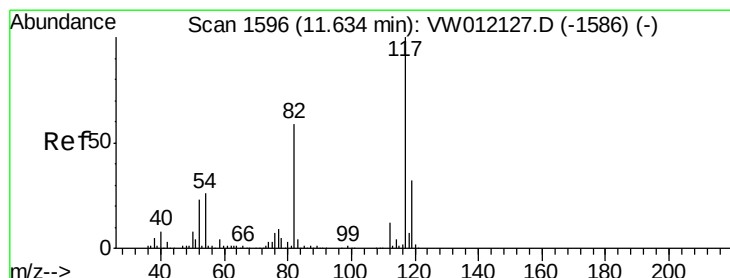
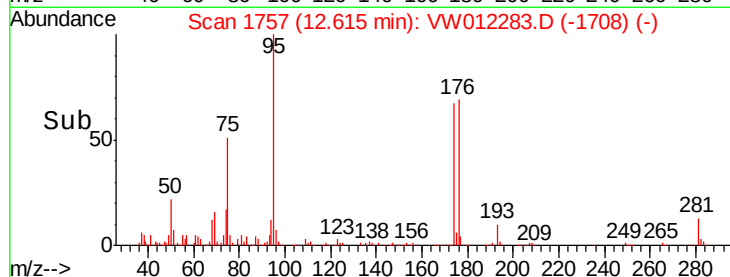
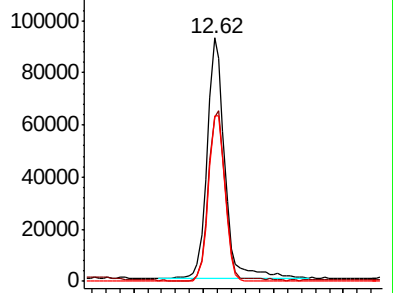
176 64.5 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW012127.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW012127.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW012127.D (-1749) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

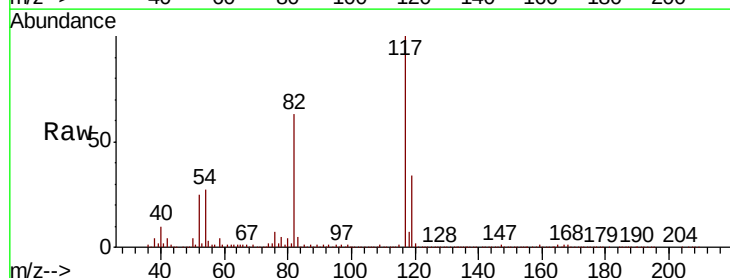
Tgt Ion: 117 Resp: 290378

Ion Ratio Lower Upper

117 100

82 63.0 47.4 71.2

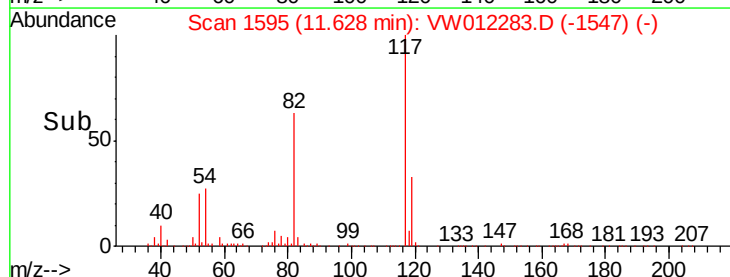
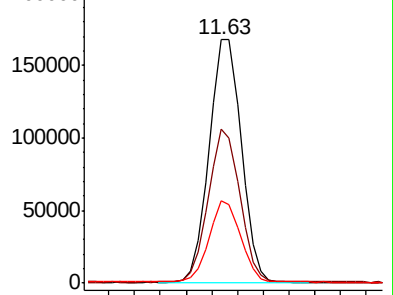
119 33.4 25.4 38.2

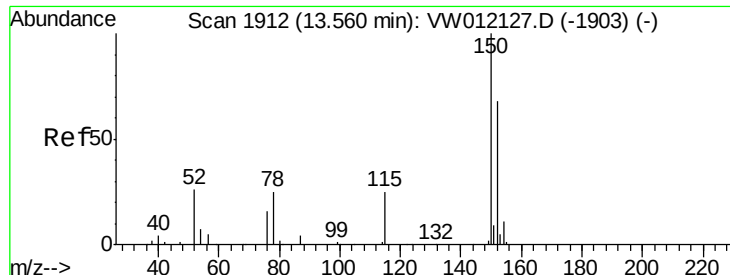


Abundance Ion 116.90 (116.60 to 117.60): VW012127.D (-1586) (-)

Ion 82.00 (81.70 to 82.70): VW012127.D (-1586) (-)

Ion 118.90 (118.60 to 119.60): VW012127.D (-1586) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

Instrument :

MSVOA_W

ClientSampleId :

SB-1

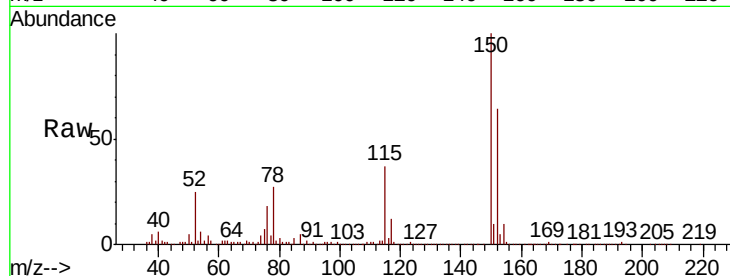
Tgt Ion:152 Resp: 120742

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

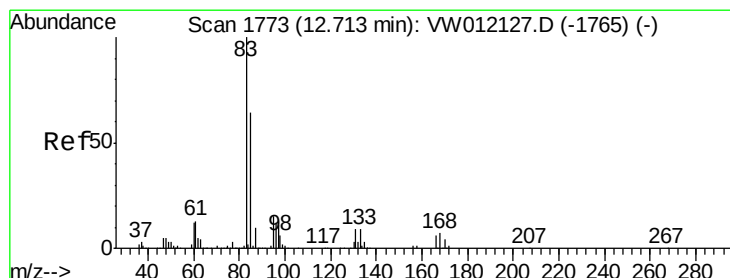
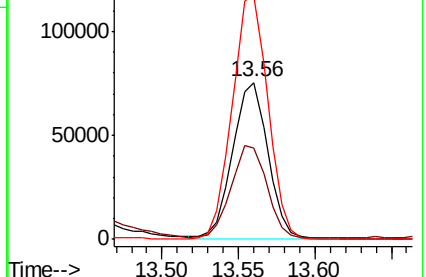
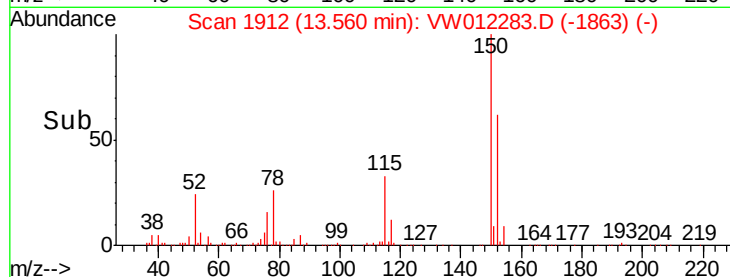
150 157.0 0.0 345.8



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: 8.933 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.09 min

Lab File: VW012283.D

Acq: 29 Aug 2019 05:28

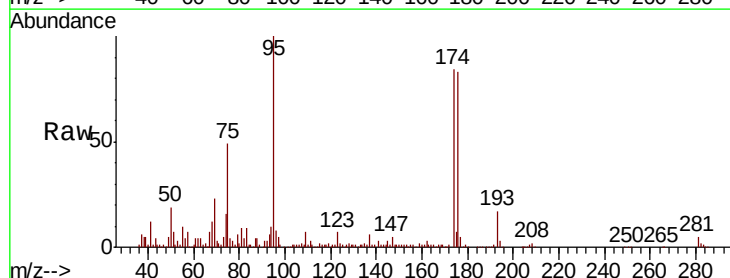
Tgt Ion: 83 Resp: 14816

Ion Ratio Lower Upper

83 100

131 6.5 4.9 14.7

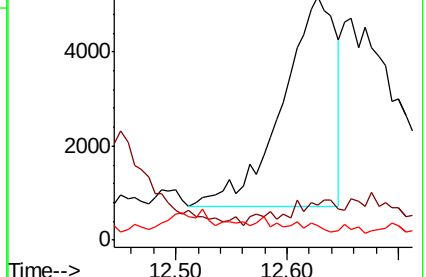
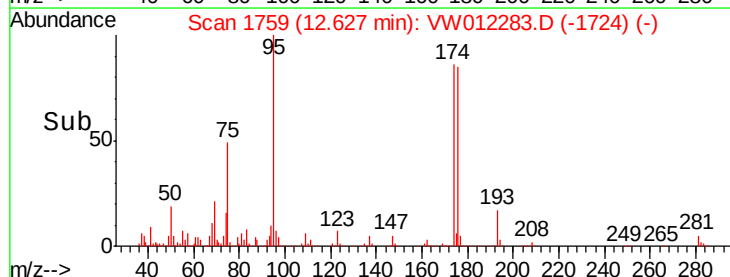
85 0.0 31.9 95.7#

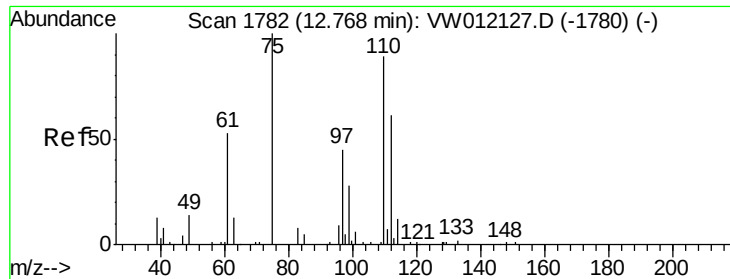


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

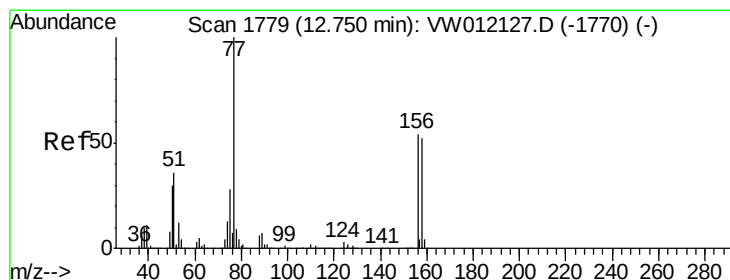
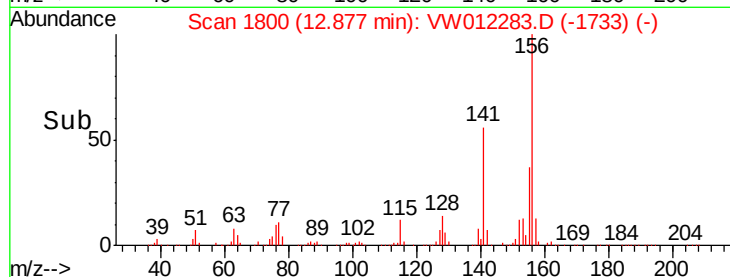
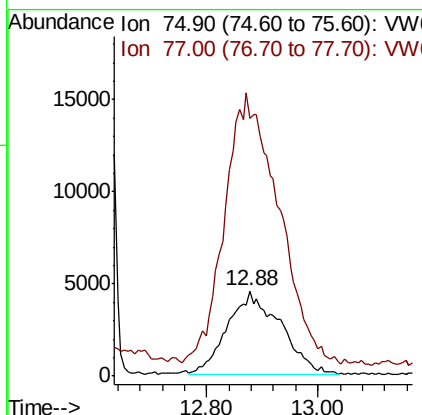
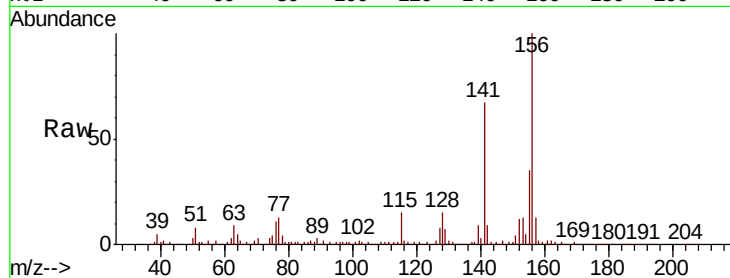




#76
 1,2,3-Trichloropropane
 Concen: 25.020 ug/l
 RT: 12.88 min Scan# 1800
 Delta R.T. 0.11 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

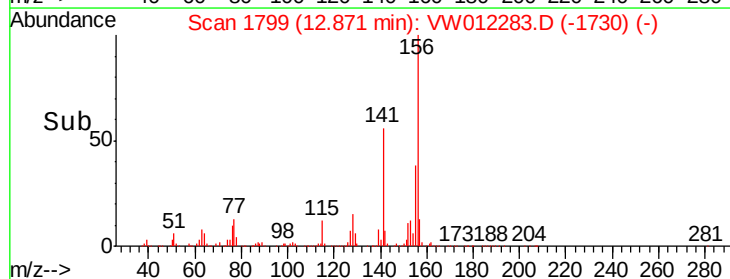
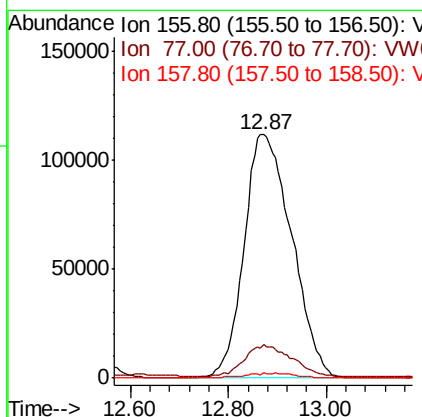
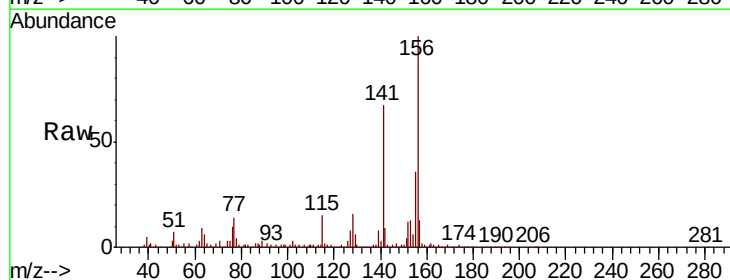
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

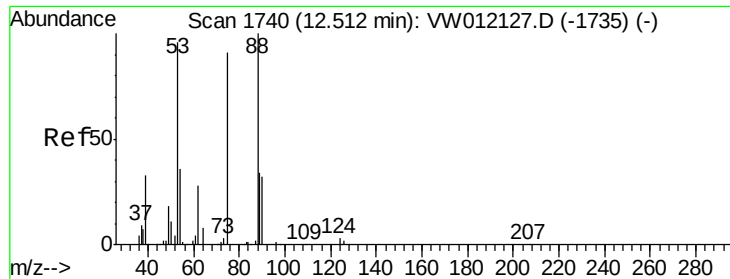
Tgt Ion: 75 Resp: 29422
 Ion Ratio Lower Upper
 75 100
 77 336.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 385.388 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.12 min
 Lab File: VW012283.D
 Acq: 29 Aug 2019 05:28

Tgt Ion: 156 Resp: 754320
 Ion Ratio Lower Upper
 156 100
 77 12.9 107.3 321.8#
 158 0.9 49.0 147.0#

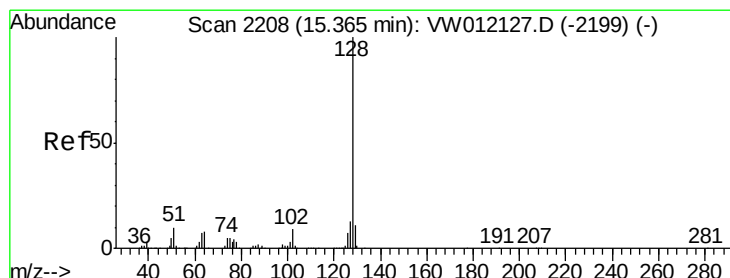
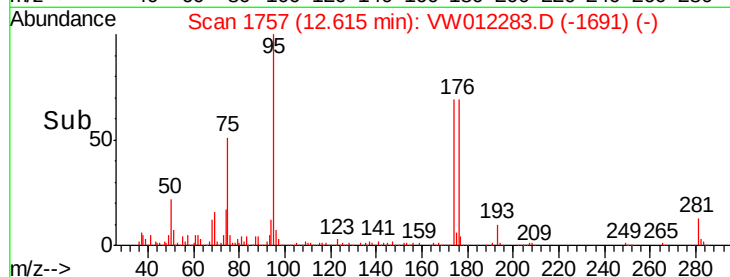
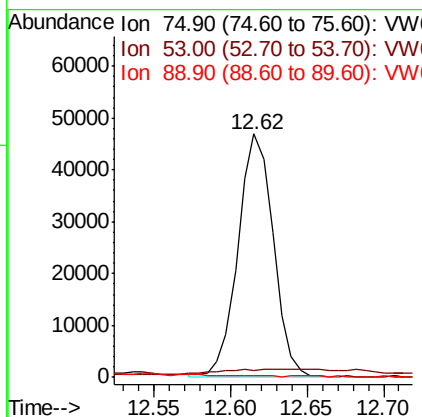
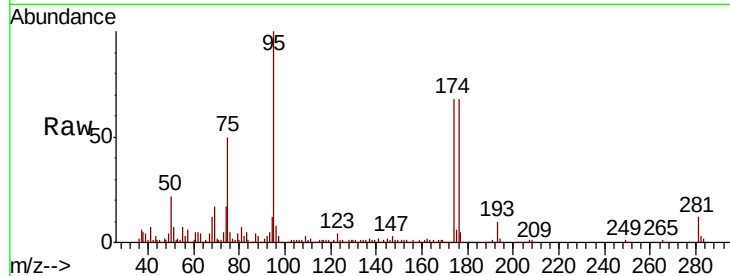




#81
trans-1,4-Dichloro-2-butene
Concen: 139.429 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012283.D
Acq: 29 Aug 2019 05:28

Instrument :
MSVOA_W
ClientSampleId :
SB-1

Tgt Ion: 75 Resp: 74781
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.399 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012283.D
Acq: 29 Aug 2019 05:28

Tgt Ion: 128 Resp: 388
Ion Ratio Lower Upper
128 100
127 7.0 10.7 16.1#
129 19.6 8.7 13.1#

