

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012285.D
 Acq On : 29 Aug 2019 06:20
 Operator : SY/VA
 Sample : K4536-04
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-20-22

Quant Time: Aug 29 06:55:39 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	268424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98225	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	155624	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
35) Dibromofluoromethane	7.88	113	129661	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.32	98	520010	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	141521	38.34	ug/l	0.00
Spiked Amount			Recovery	=	76.68%	

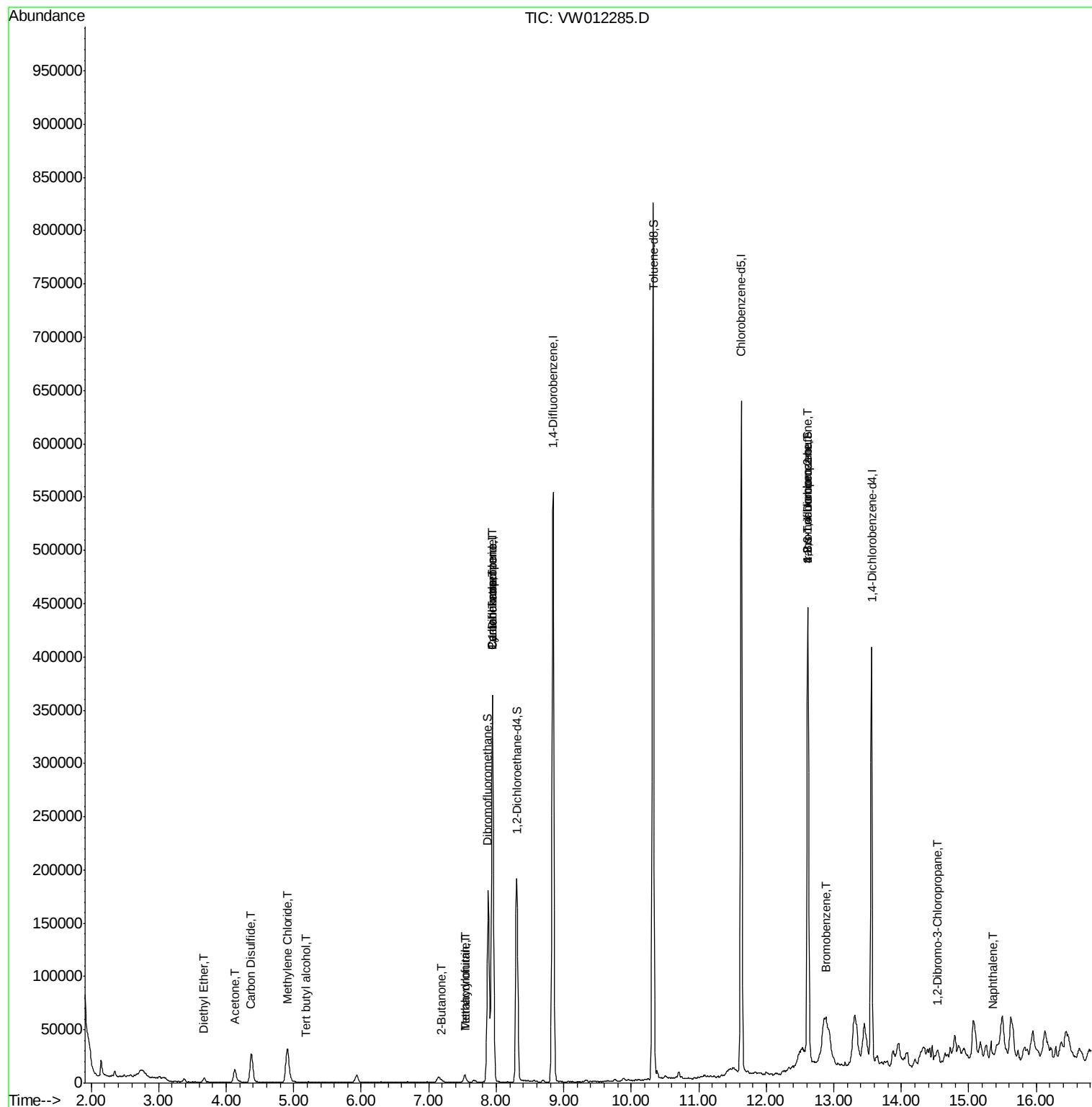
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1957	1.310	ug/l	66
11) Tert butyl alcohol	5.18	59	600	3.125	ug/l #	79
16) Acetone	4.12	43	24525	30.068	ug/l	95
17) Carbon Disulfide	4.37	76	59029	7.254	ug/l	100
20) Methylene Chloride	4.91	84	22793	7.392	ug/l	95
25) 2-Butanone	7.18	43	3005	2.711	ug/l	94
29) Tetrahydrofuran	7.53	42	6345	9.542	ug/l	99
31) Cyclohexane	7.94	56	6678	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22688	5.074	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26357	6.811	ug/l #	15
41) Methacrylonitrile	7.54	41	3576	2.483	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	73897	77.246	ug/l #	100
77) Bromobenzene	12.88	156	56426	35.437	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	73897	169.365	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.53	75	367	1.613	ug/l #	23
95) Naphthalene	15.36	128	3038	5.070	ug/l #	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
Data File : VW012285.D
Acq On : 29 Aug 2019 06:20
Operator : SY/VA
Sample : K4536-04
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-1-20-22

Quant Time: Aug 29 06:55:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampleId :

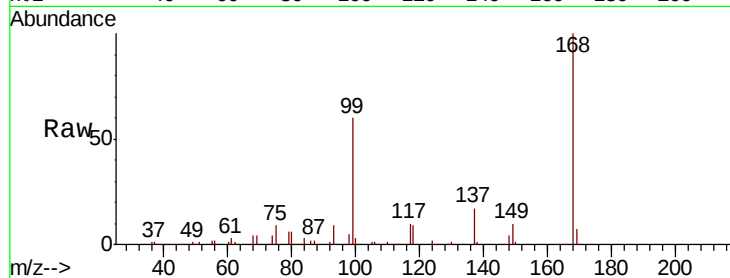
SB-1-20-22

Tgt Ion:168 Resp: 268424

Ion Ratio Lower Upper

168 100

99 59.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

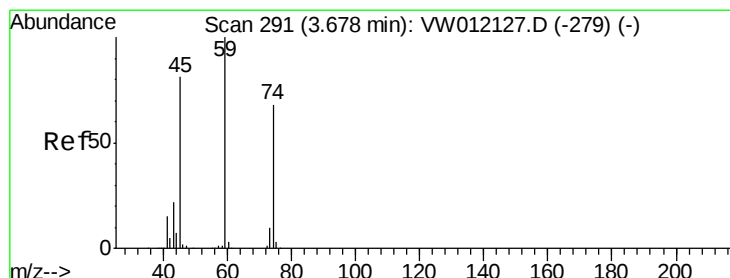
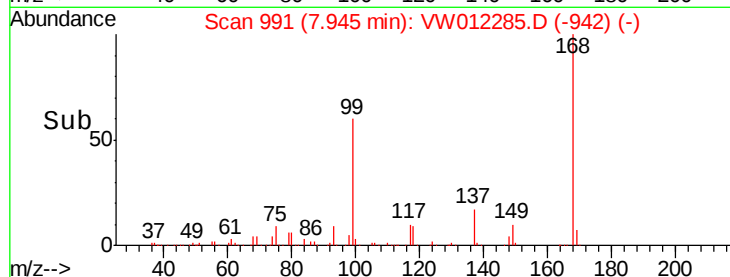
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.310 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012285.D

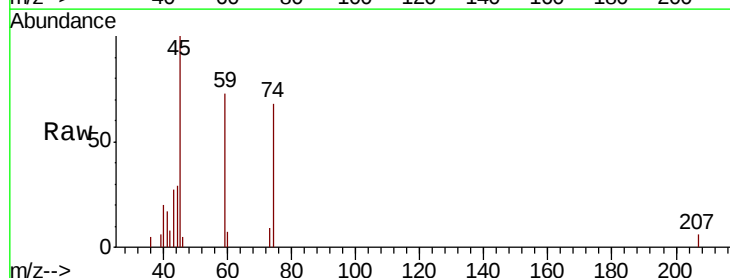
Acq: 29 Aug 2019 06:20

Tgt Ion: 74 Resp: 1957

Ion Ratio Lower Upper

74 100

45 155.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

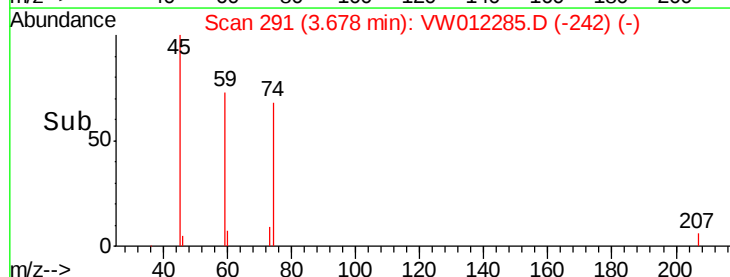
1500

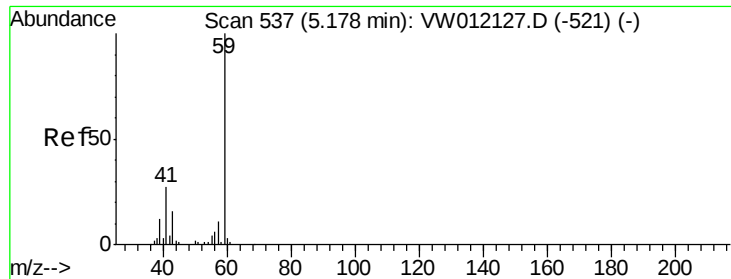
1000

500

0

Time-->

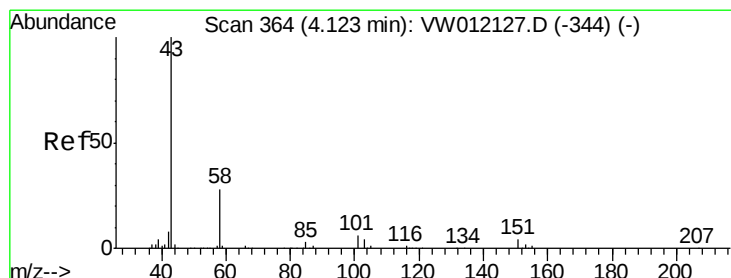
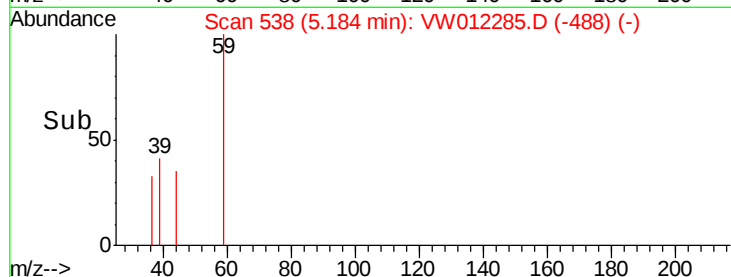
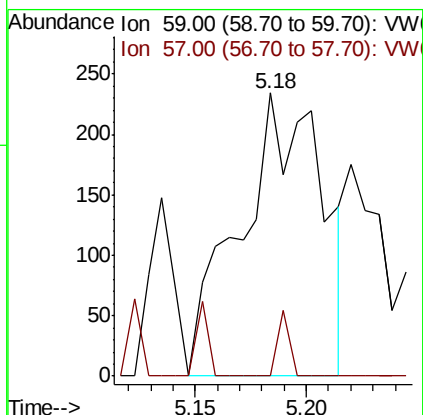
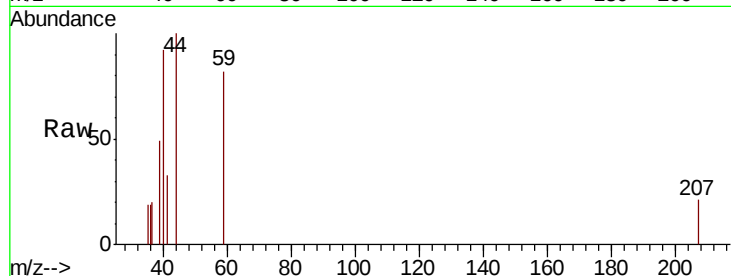




#11
Tert butyl alcohol
Concen: 3.125 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

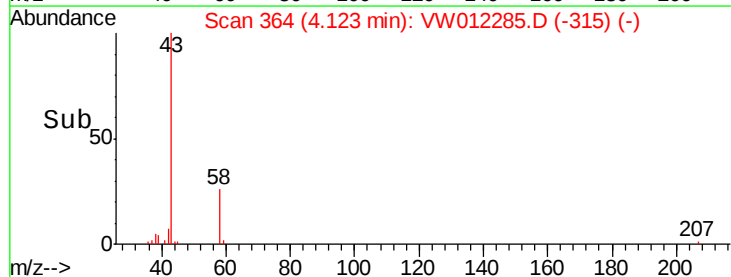
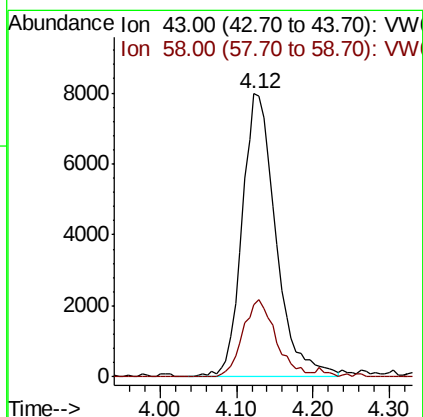
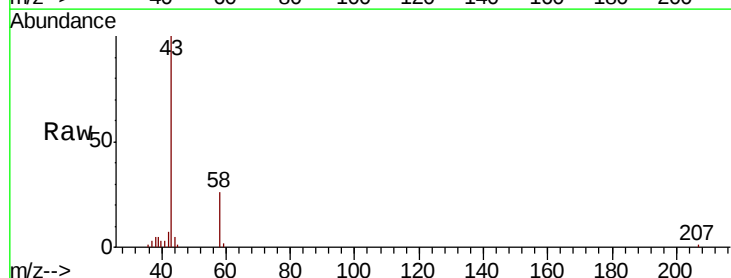
Instrument :
MSVOA_W
ClientSampleId :
SB-1-20-22

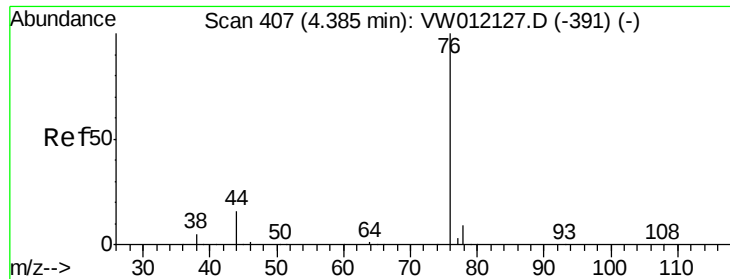
Tgt Ion: 59 Resp: 600
Ion Ratio Lower Upper
59 100
57 3.3 9.0 13.4#



#16
Acetone
Concen: 30.068 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

Tgt Ion: 43 Resp: 24525
Ion Ratio Lower Upper
43 100
58 25.6 22.4 33.6





#17

Carbon Disulfide

Concen: 7.254 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.02 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampleId :

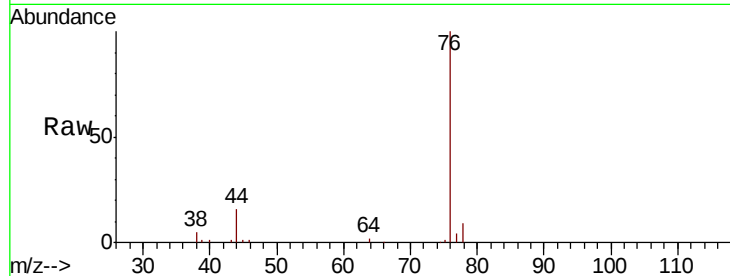
SB-1-20-22

Tgt Ion: 76 Resp: 59029

Ion Ratio Lower Upper

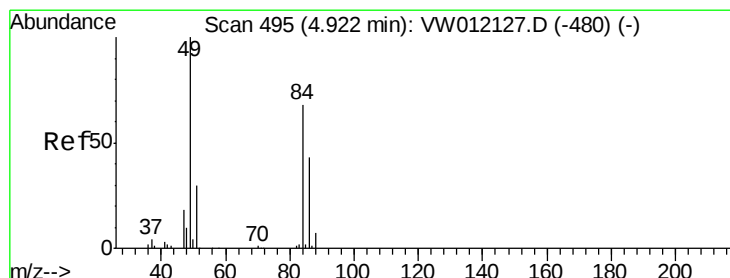
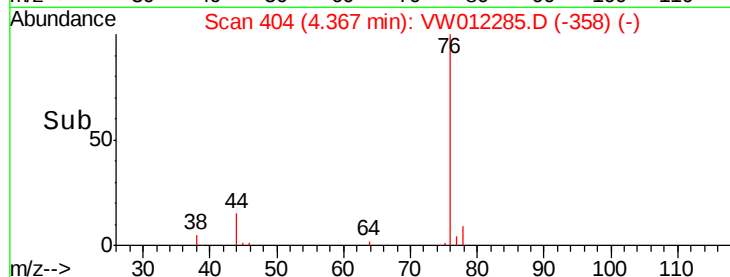
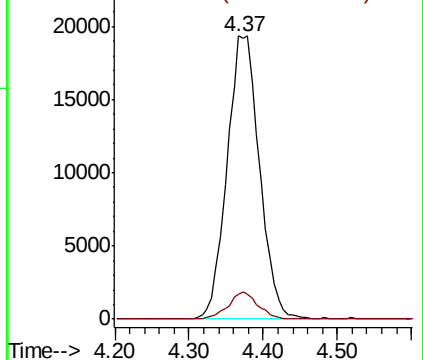
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 7.392 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Tgt Ion: 84 Resp: 22793

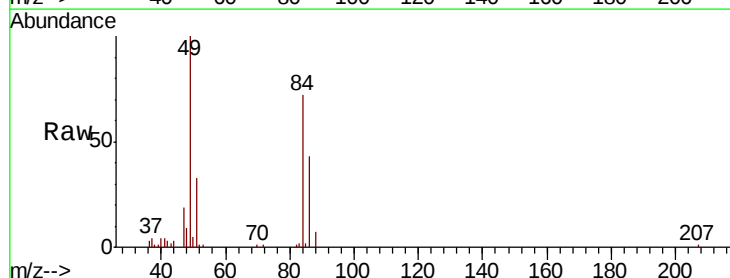
Ion Ratio Lower Upper

84 100

49 139.7 117.8 176.8

51 45.4 35.6 53.4

86 60.6 51.2 76.8

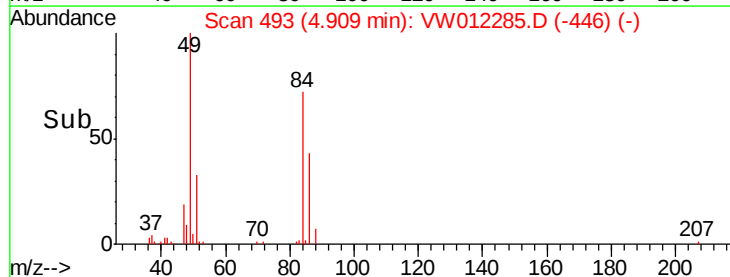
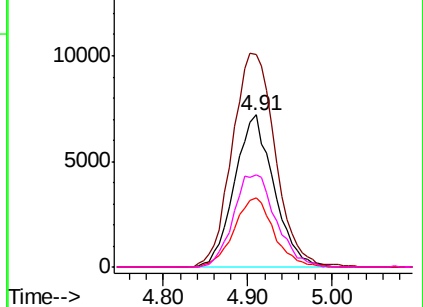


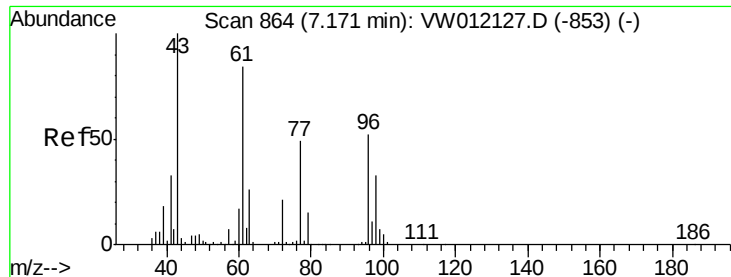
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

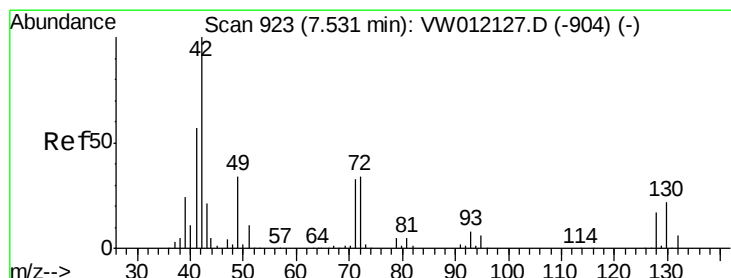
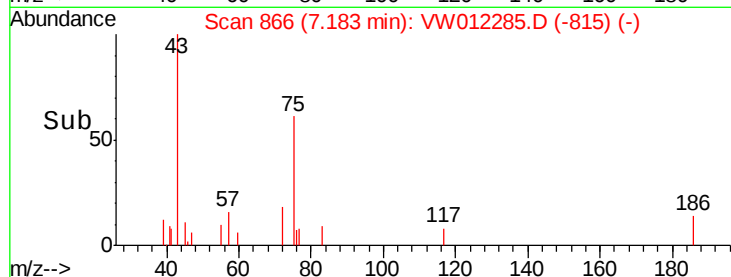
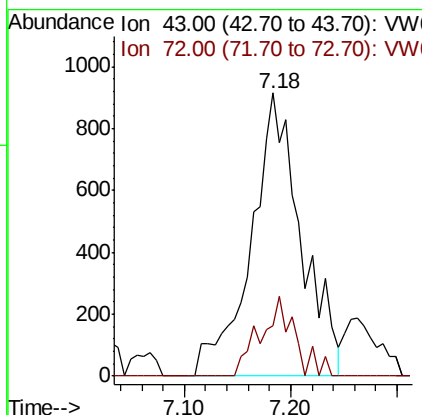
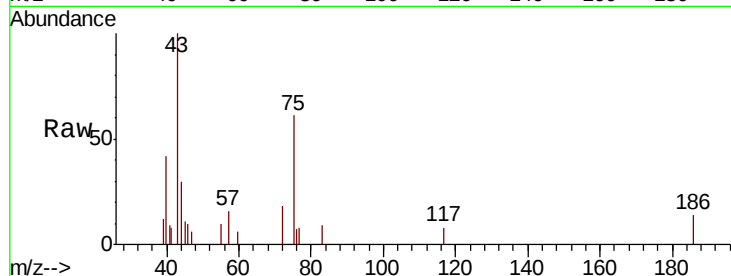




#25
2-Butanone
Concen: 2.711 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

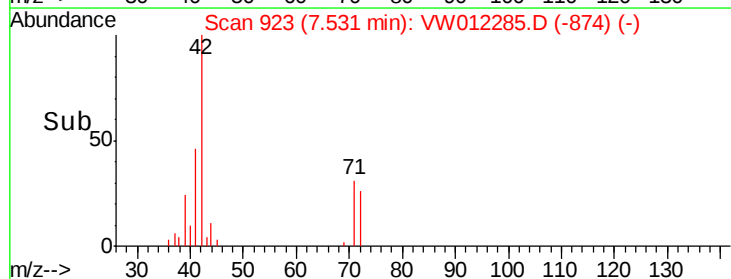
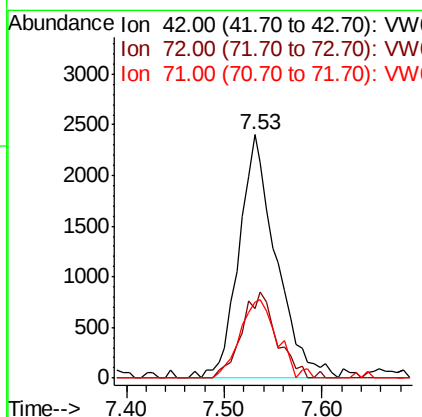
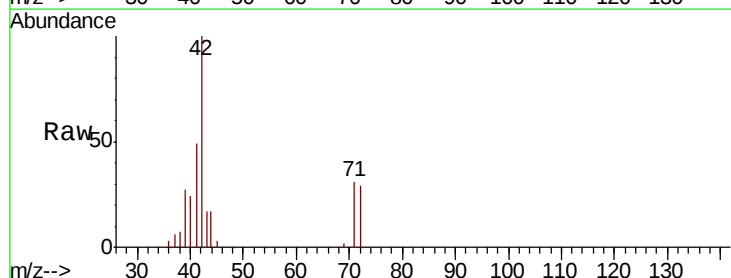
Instrument :
MSVOA_W
ClientSampled :
SB-1-20-22

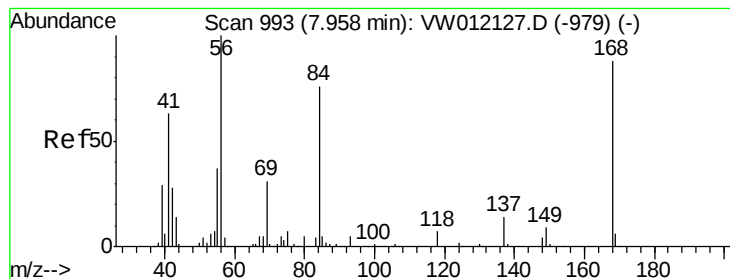
Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
72 17.8 16.6 24.8



#29
Tetrahydrofuran
Concen: 9.542 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

Tgt Ion: 42 Resp: 6345
Ion Ratio Lower Upper
42 100
72 32.9 27.3 40.9
71 32.0 25.5 38.3





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampled :

SB-1-20-22

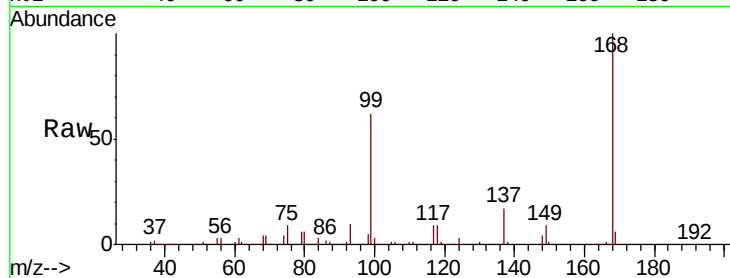
Tgt Ion: 56 Resp: 6678

Ion Ratio Lower Upper

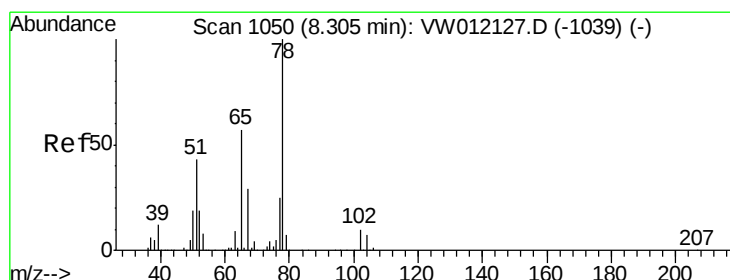
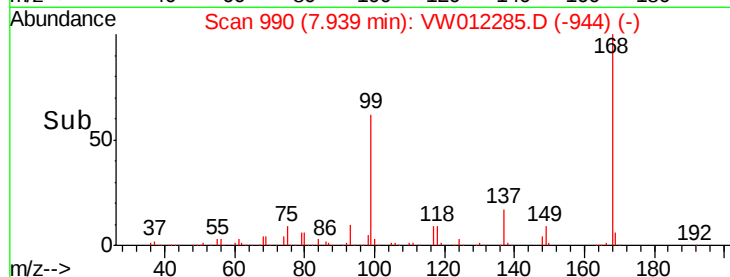
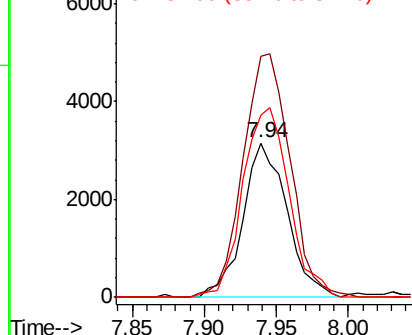
56 100

69 156.6 24.9 37.3#

84 117.7 60.6 90.8#



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



#33

1,2-Dichloroethane-d4

Concen: 48.771 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012285.D

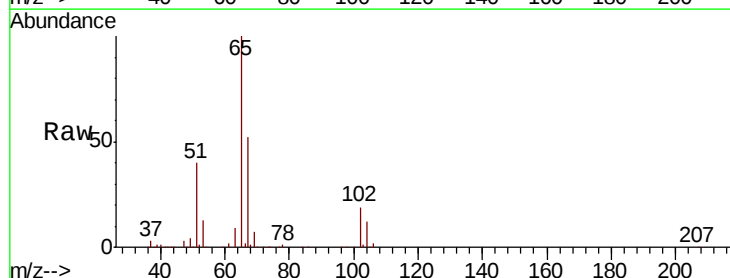
Acq: 29 Aug 2019 06:20

Tgt Ion: 65 Resp: 155624

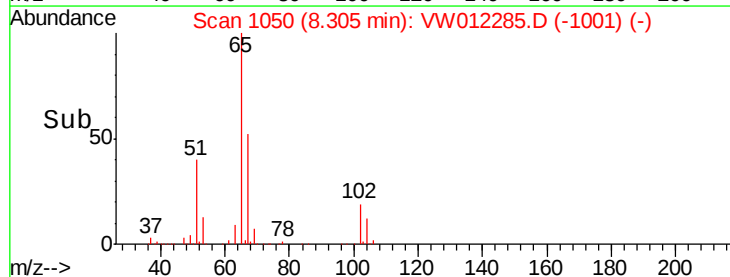
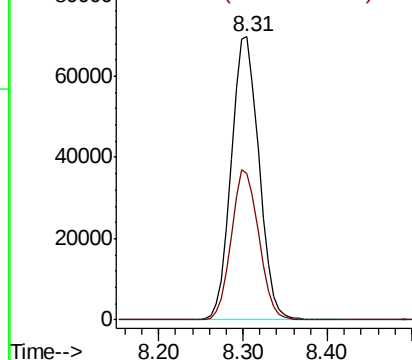
Ion Ratio Lower Upper

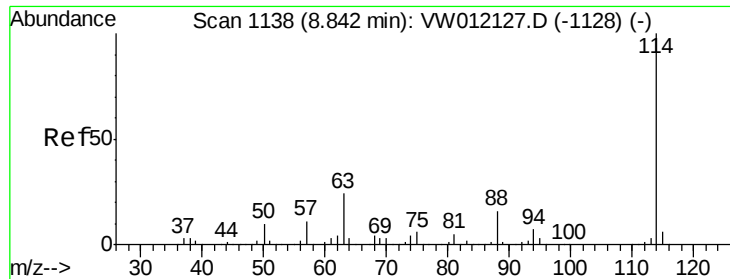
65 100

67 52.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

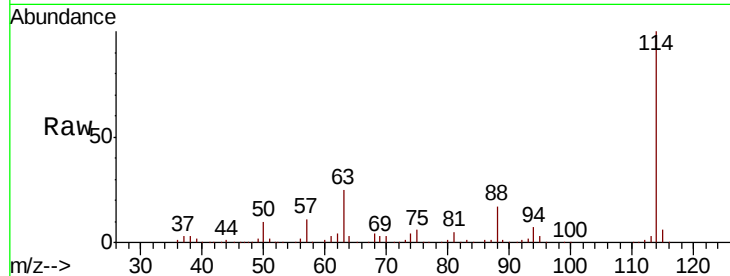




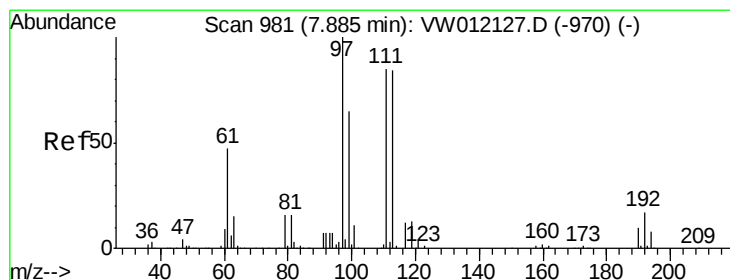
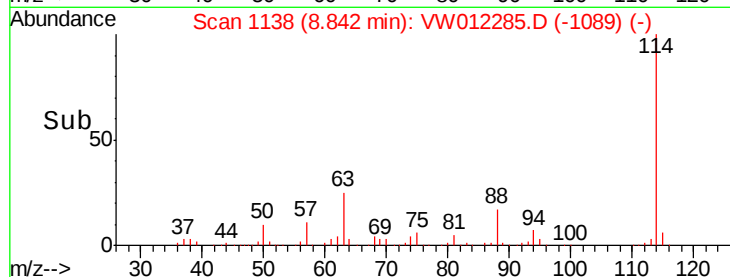
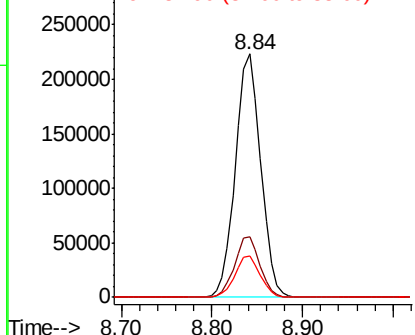
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-20-22

Tgt Ion:114 Resp: 432668
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.1 0.0 32.2

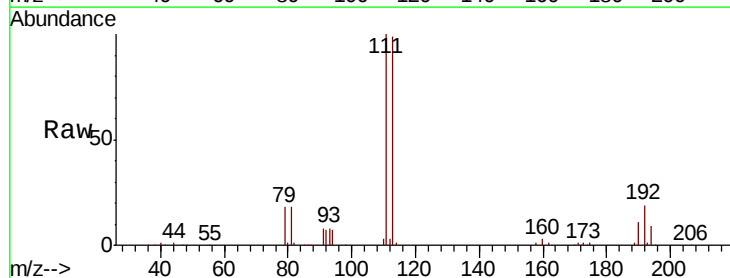


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

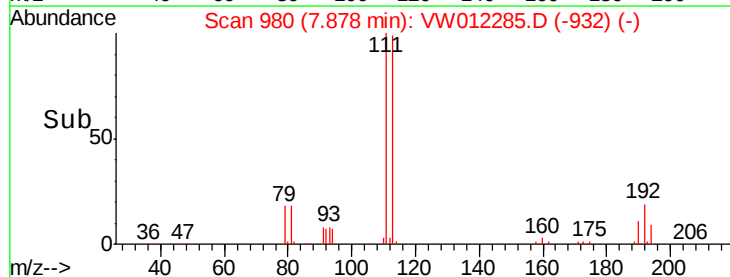
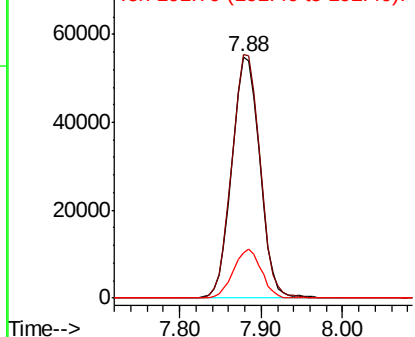


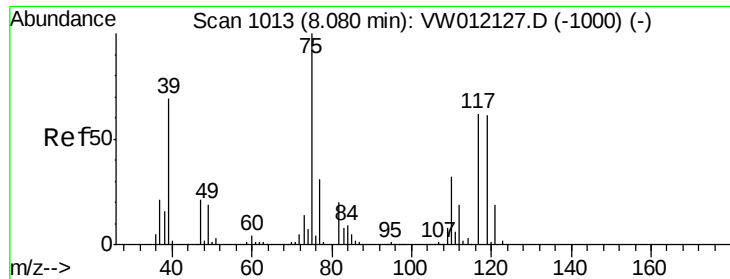
#35
 Dibromofluoromethane
 Concen: 50.205 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

Tgt Ion:113 Resp: 129661
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.7 124.1
 192 20.4 16.2 24.2



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

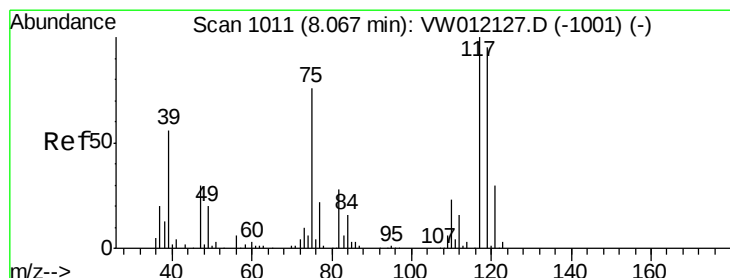
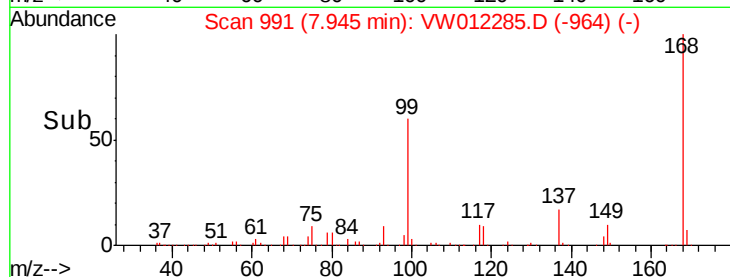
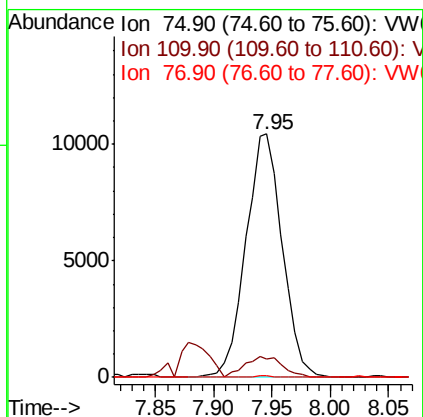
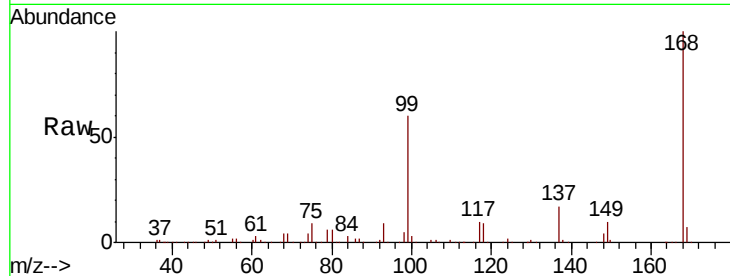




#36
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

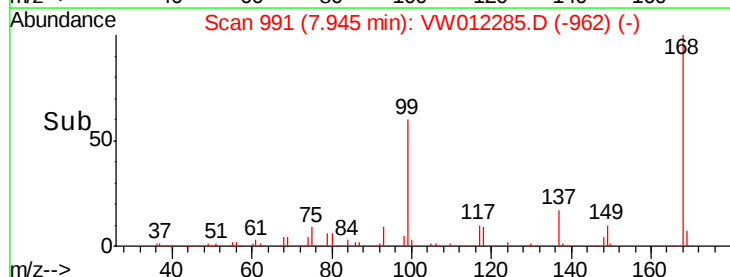
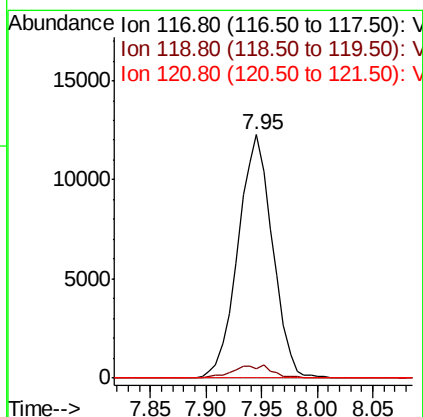
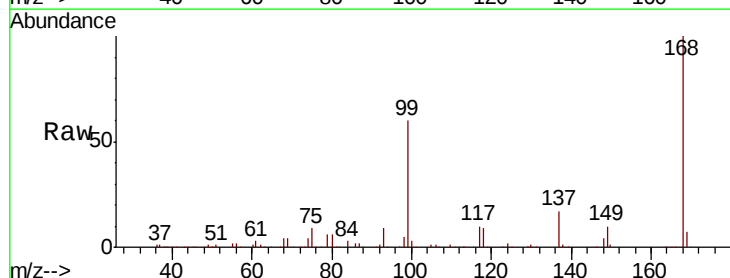
Instrument :
 MSVOA_W
 ClientSampled :
 SB-1-20-22

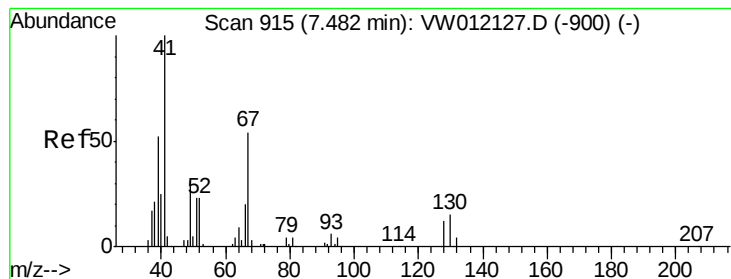
Tgt Ion: 75 Resp: 22688
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.811 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

Tgt Ion: 117 Resp: 26357
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.483 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampled :

SB-1-20-22

Tgt Ion: 41 Resp: 3576

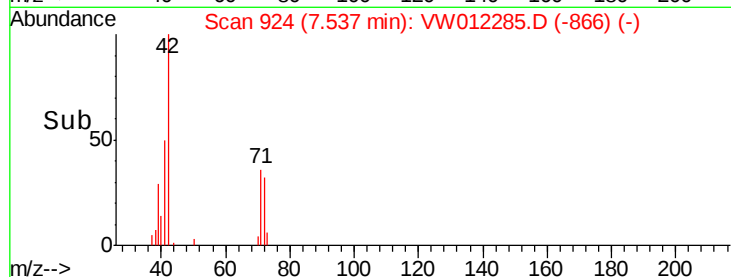
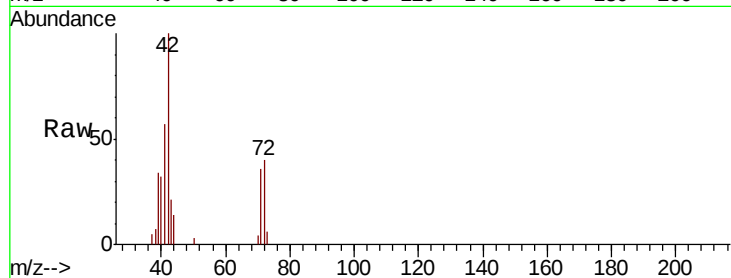
Ion Ratio Lower Upper

41 100

39 55.9 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

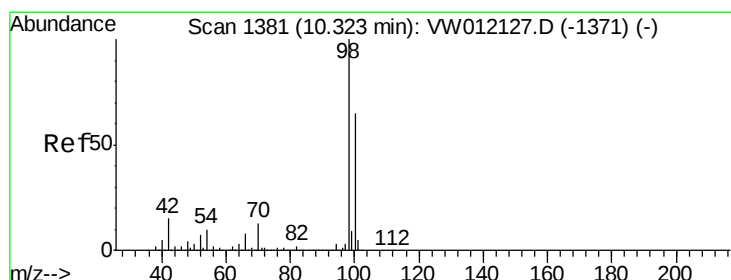
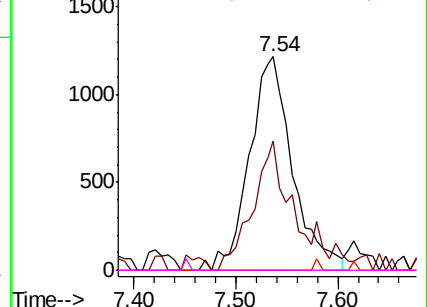


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 49.659 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012285.D

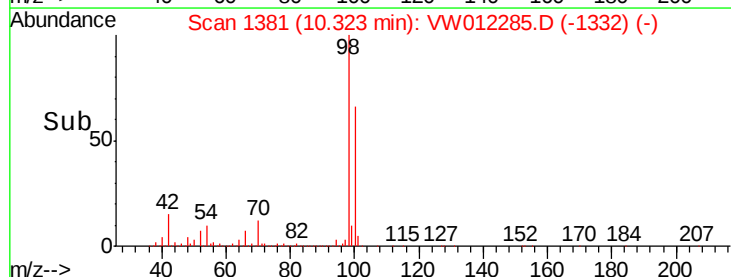
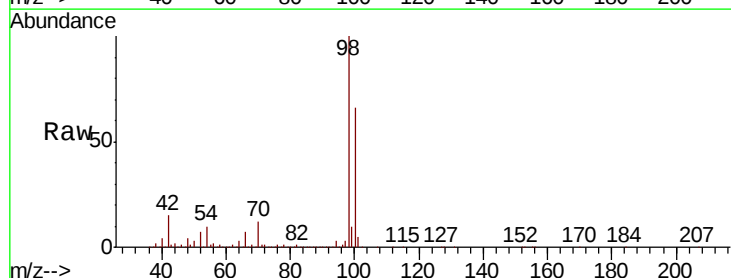
Acq: 29 Aug 2019 06:20

Tgt Ion: 98 Resp: 520010

Ion Ratio Lower Upper

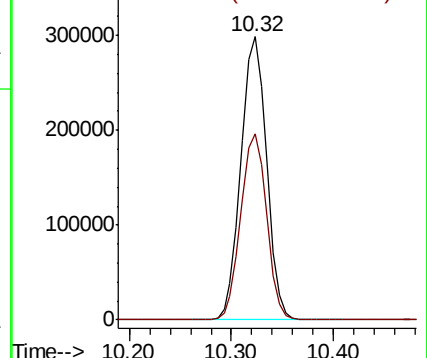
98 100

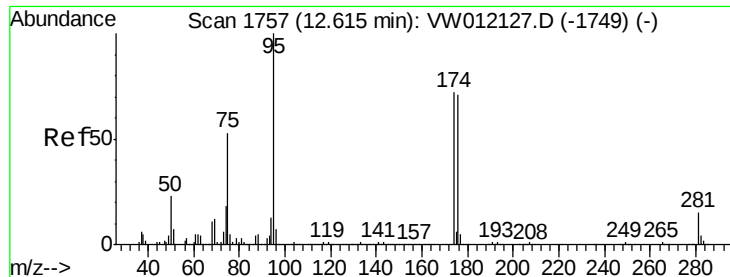
100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

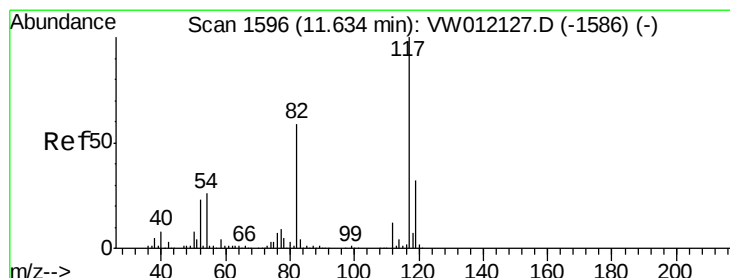
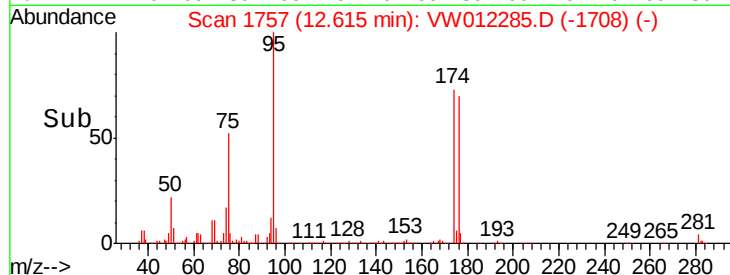
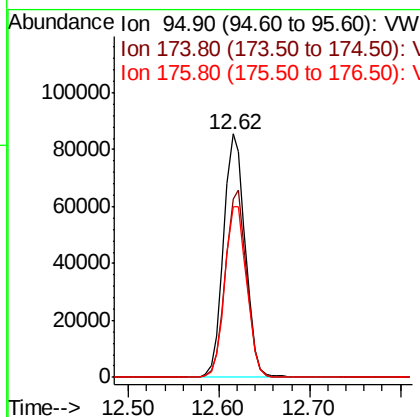
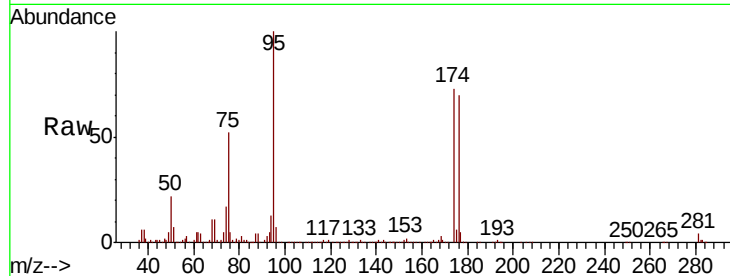




#62
4-Bromofluorobenzene
Concen: 38.339 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

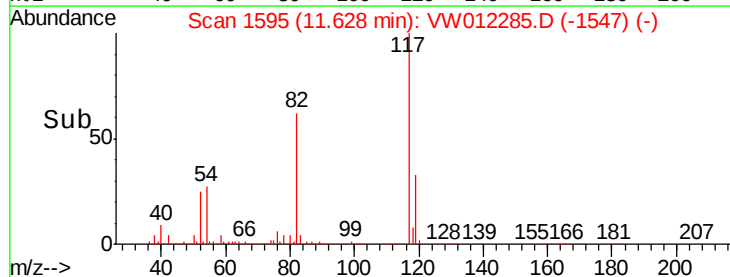
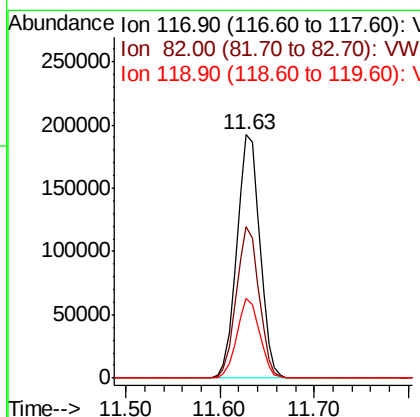
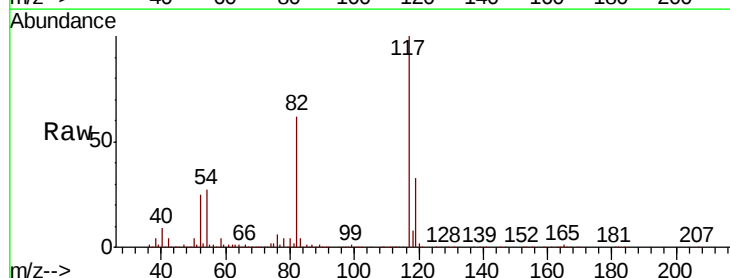
Instrument :
MSVOA_W
ClientSampled :
SB-1-20-22

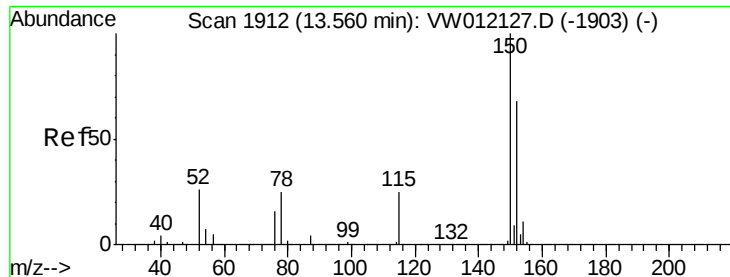
Tgt Ion: 95 Resp: 141521
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 71.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

Tgt Ion: 117 Resp: 326783
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 32.6 25.4 38.2



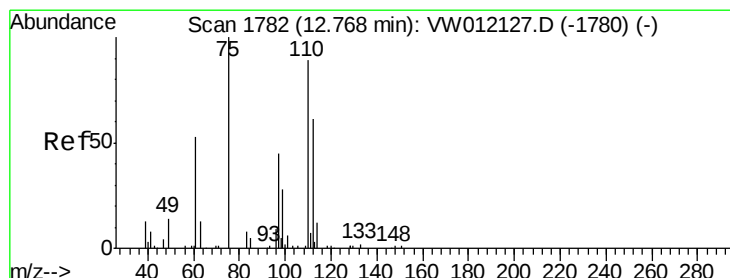
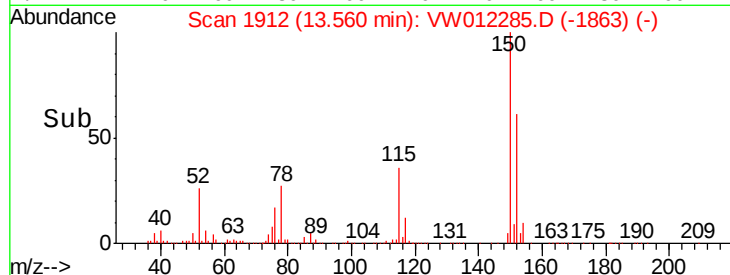
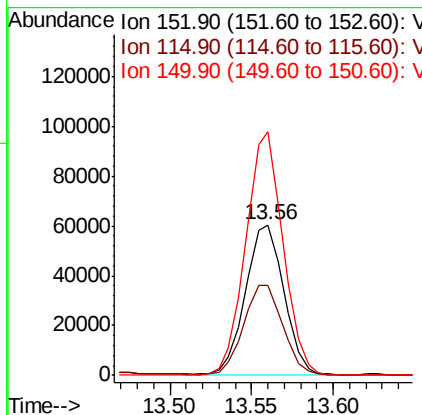
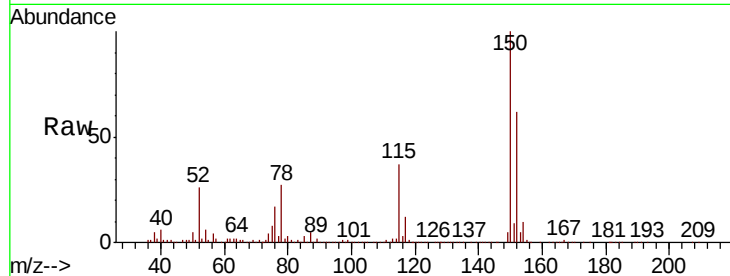


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

Instrument :
MSVOA_W
ClientSampleId :
SB-1-20-22

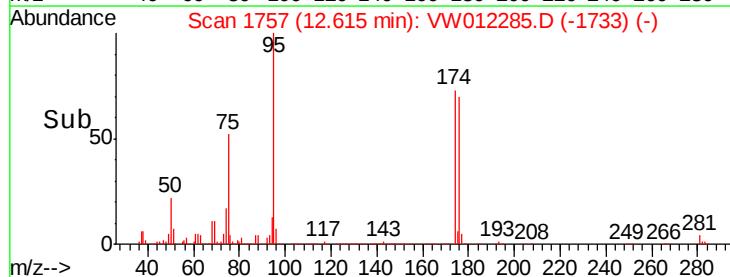
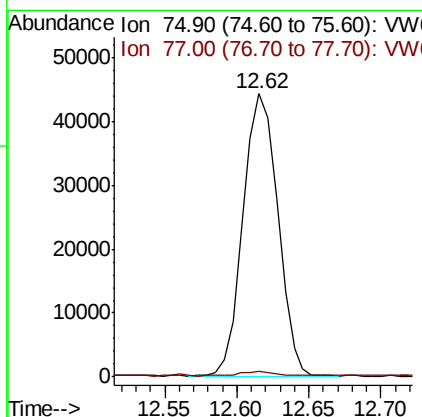
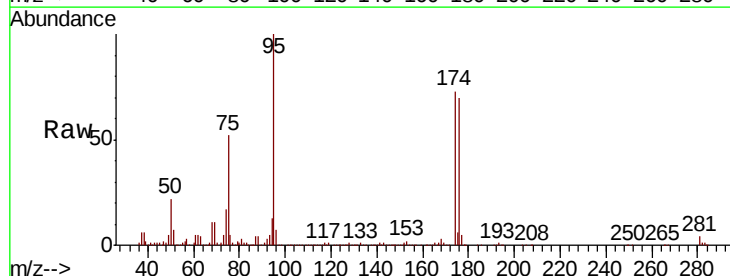
Tgt Ion:152 Resp: 98225
Ion Ratio Lower Upper
152 100
115 61.3 30.1 90.3
150 158.1 0.0 345.8

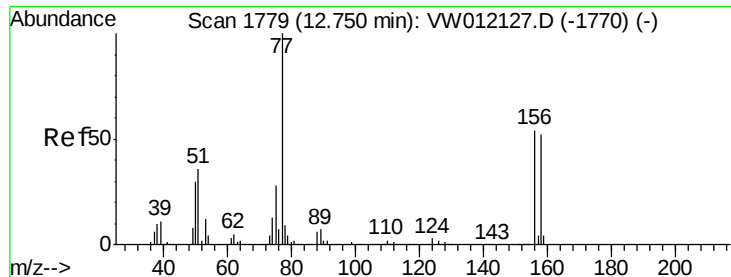


#76

1,2,3-Trichloropropane
Concen: 77.246 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012285.D
Acq: 29 Aug 2019 06:20

Tgt Ion: 75 Resp: 73897
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#77

Bromobenzene

Concen: 35.437 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampleId :

SB-1-20-22

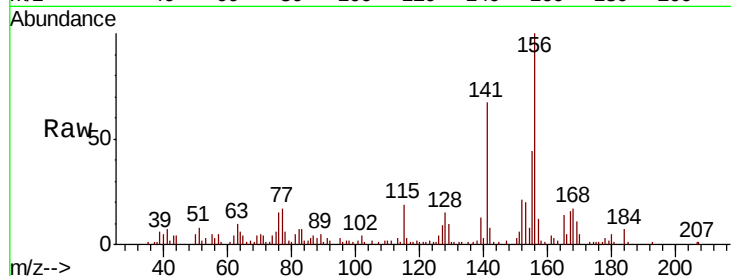
Tgt Ion:156 Resp: 56426

Ion Ratio Lower Upper

156 100

77 0.0 107.3 321.8#

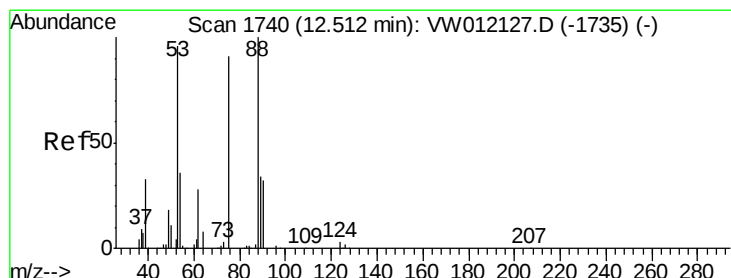
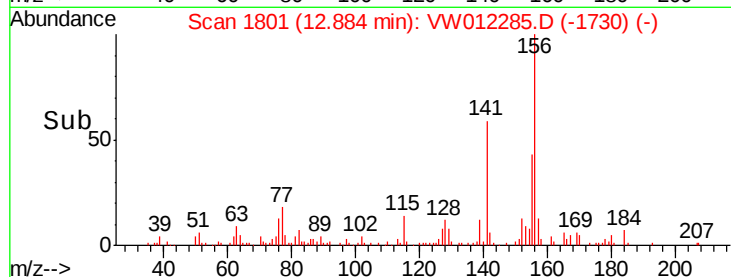
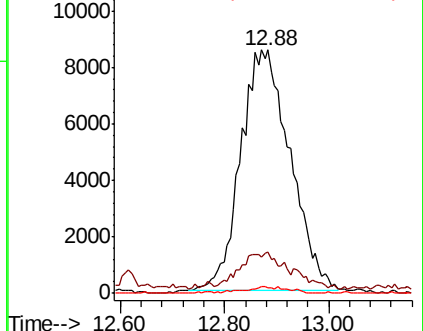
158 0.5 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 169.365 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012285.D

Acq: 29 Aug 2019 06:20

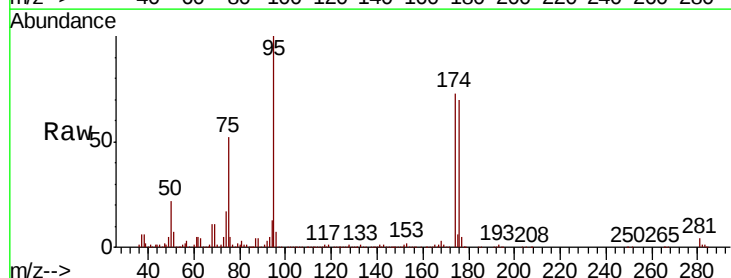
Tgt Ion: 75 Resp: 73897

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

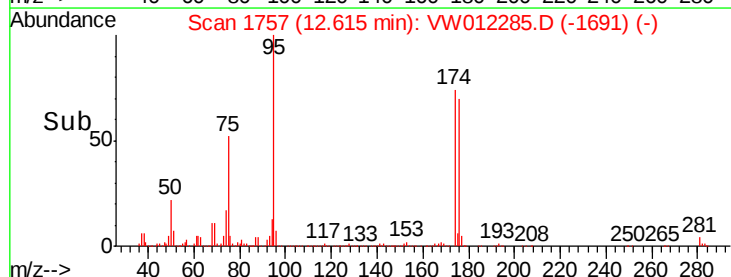
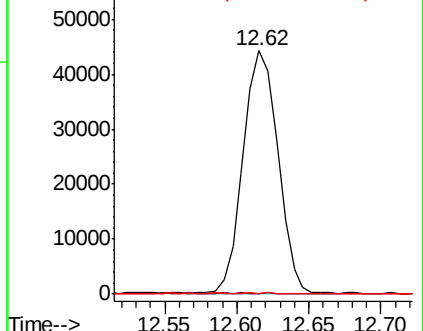
89 0.3 34.5 51.7#

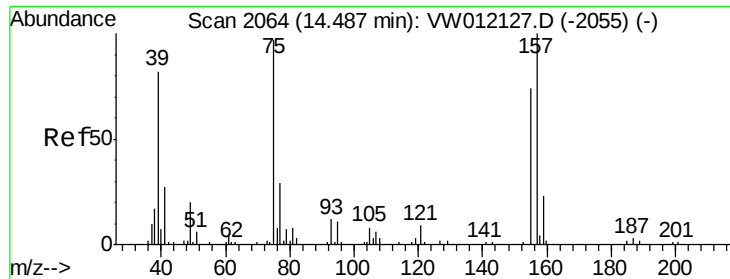


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

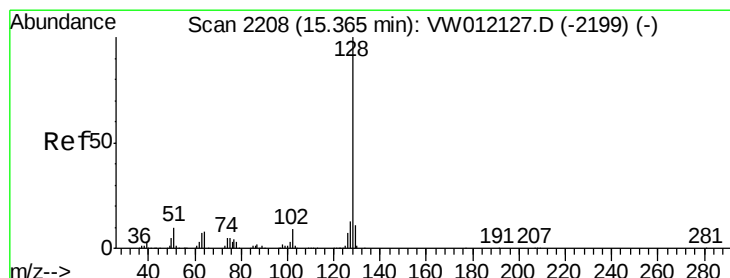
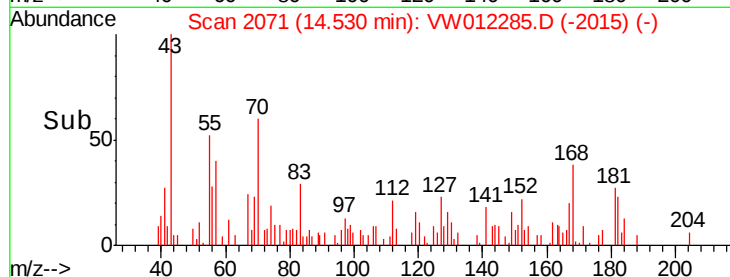
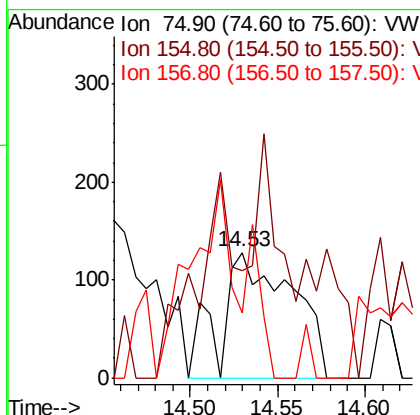
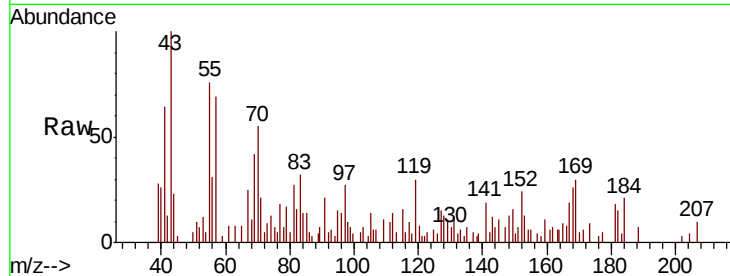




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.613 ug/l
 RT: 14.53 min Scan# 2071
 Delta R.T. 0.04 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-20-22

Tgt Ion: 75 Resp: 367
 Ion Ratio Lower Upper
 75 100
 155 37.1 37.5 112.3#
 157 0.0 50.5 151.5#



#95
 Naphthalene
 Concen: 5.070 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012285.D
 Acq: 29 Aug 2019 06:20

Tgt Ion: 128 Resp: 3038
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.7 16.1
 129 13.8 8.7 13.1#

