

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011725.D
 Acq On : 05 Aug 2019 22:06
 Operator : SY/VA
 Sample : K4154-09
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-9

Quant Time: Aug 06 08:07:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137571	58.39	ug/l	0.00
Spiked Amount			Recovery	=	116.78%	
35) Dibromofluoromethane	7.88	113	106777	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
50) Toluene-d8	10.32	98	415661	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	132553	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

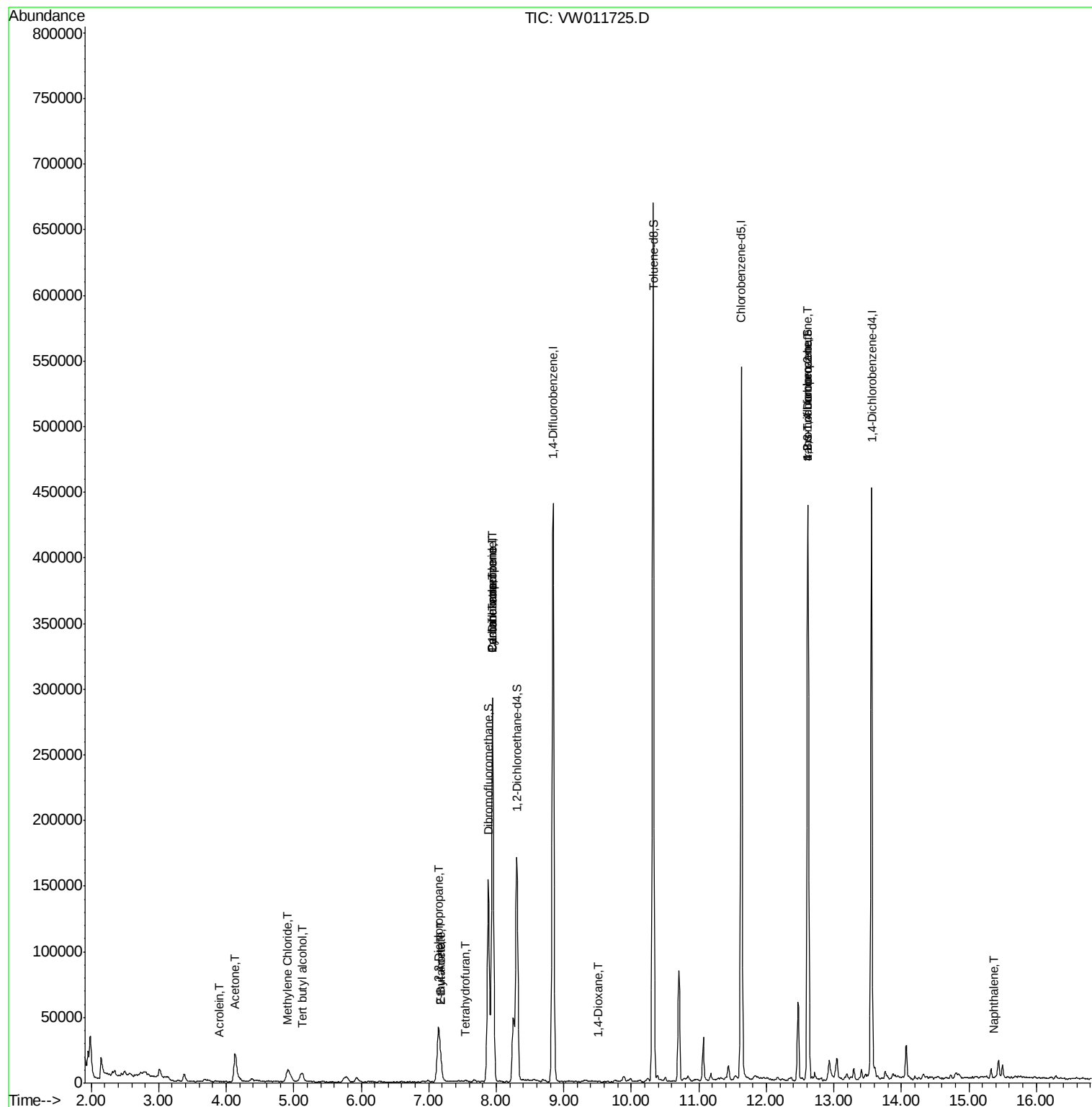
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	7054	24.484	ug/l #	75
13) Acrolein	3.90	56	217	1.284	ug/l #	15
16) Acetone	4.13	43	43505	58.049	ug/l	94
20) Methylene Chloride	4.90	84	2825	1.093	ug/l	92
25) 2-Butanone	7.18	43	22406	22.847	ug/l	96
26) 2,2-Dichloropropane	7.15	77	2942	1.042	ug/l #	54
29) Tetrahydrofuran	7.54	42	1072	1.912	ug/l #	85
31) Cyclohexane	7.95	56	5154	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18557	5.195	ug/l #	52
37) Ethyl Acetate	7.18	43	22406	10.903	ug/l #	73
38) Carbon Tetrachloride	7.95	117	20890	6.831	ug/l #	18
49) 1,4-Dioxane	9.51	88	23	1.300	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70890	61.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70890	141.011	ug/l #	6
95) Naphthalene	15.37	128	211	2.113	ug/l #	75

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

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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: VW011725.D

Acq: 05 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

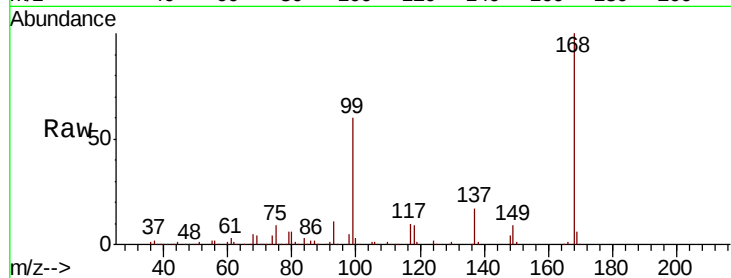
PS-9

Tgt Ion:168 Resp: 205182

Ion Ratio Lower Upper

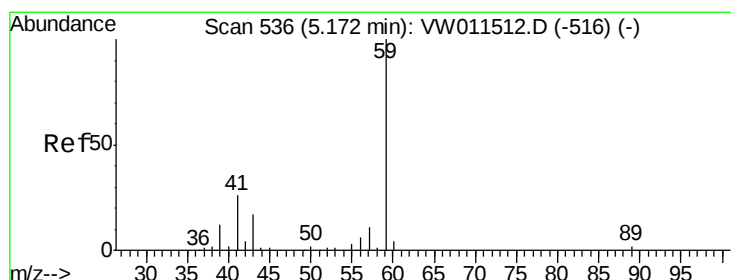
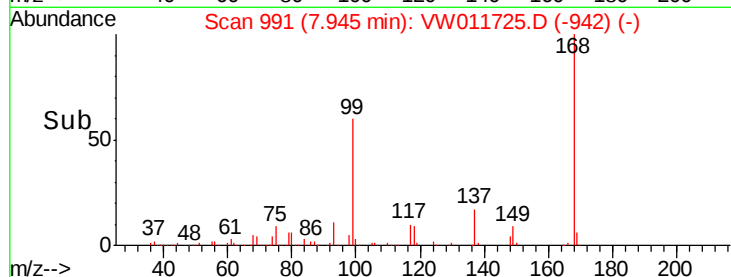
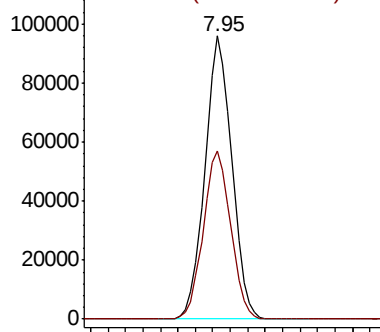
168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 24.484 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011725.D

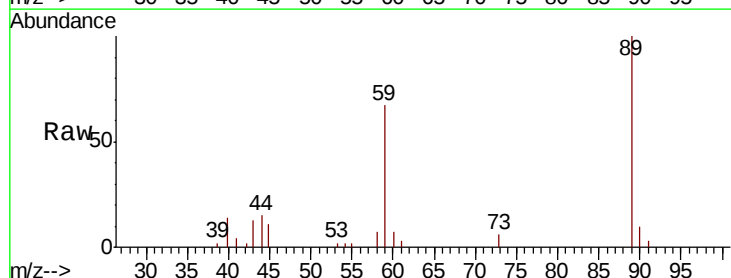
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Tgt Ion: 59 Resp: 7054

Ion Ratio Lower Upper

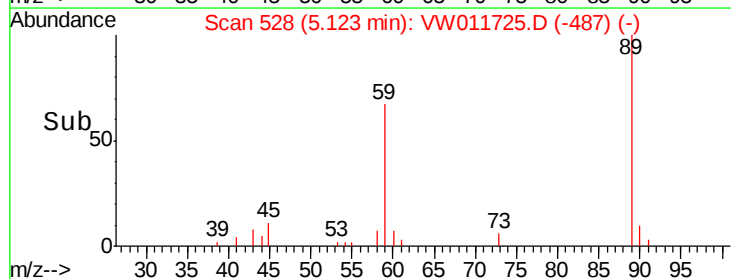
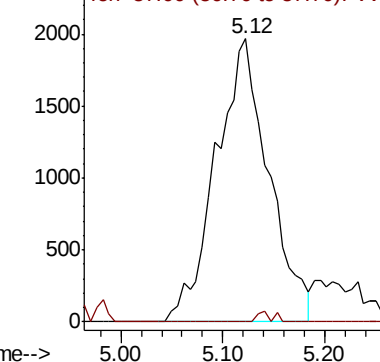
59 100

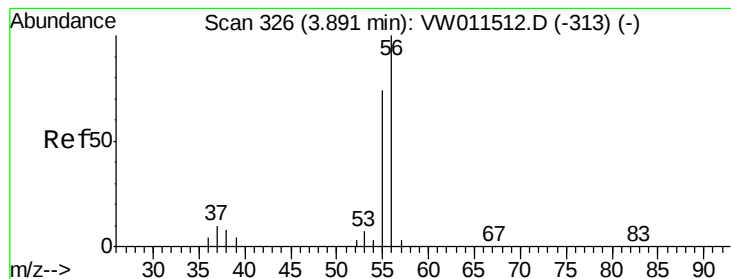
57 1.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.284 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW011725.D

Acq: 05 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampled :

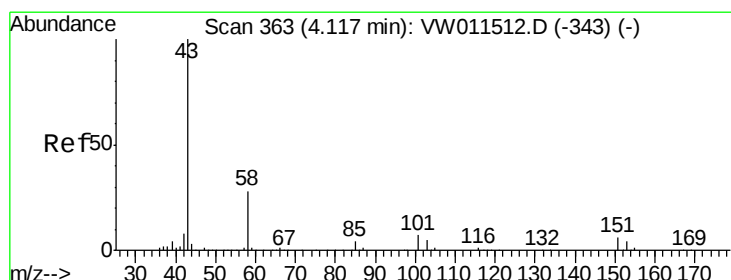
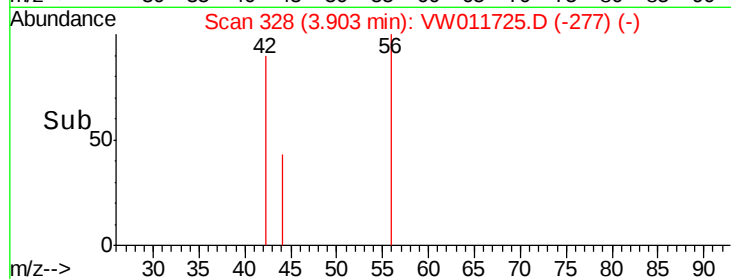
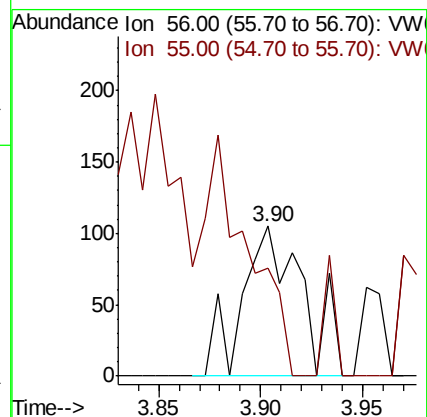
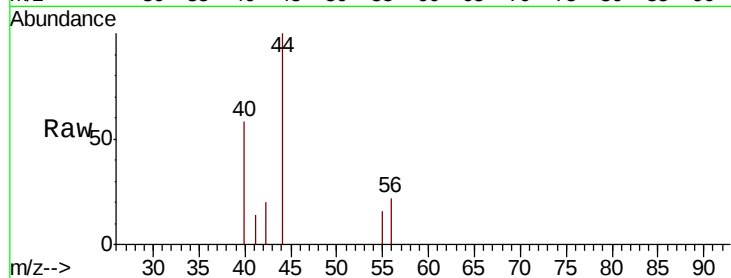
PS-9

Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#16

Acetone

Concen: 58.049 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011725.D

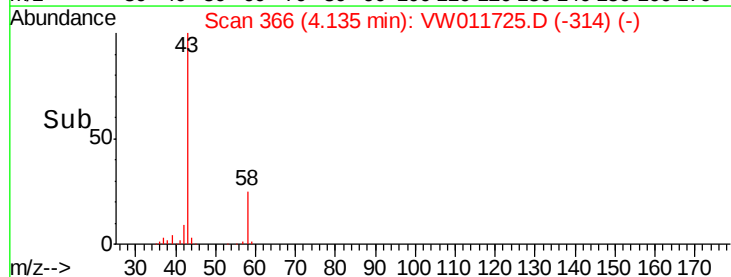
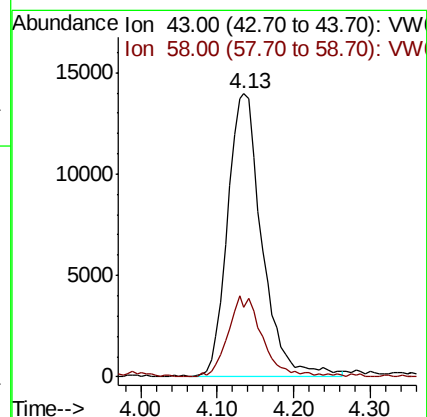
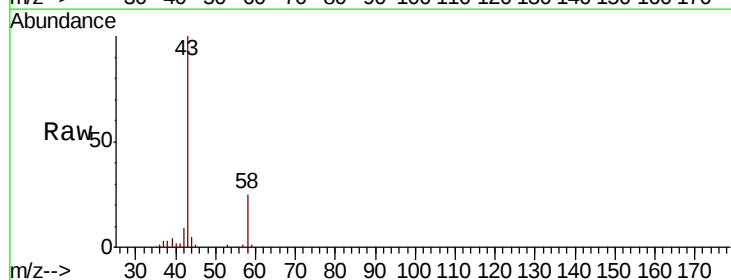
Acq: 05 Aug 2019 22:06

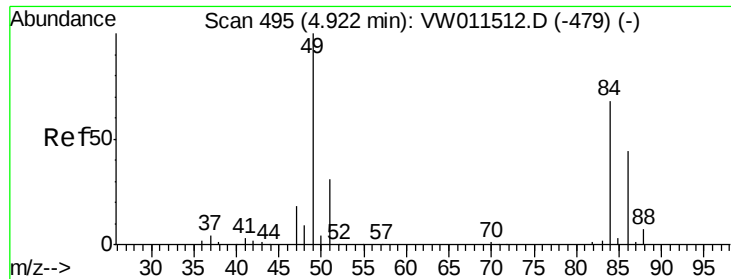
Tgt Ion: 43 Resp: 43505

Ion Ratio Lower Upper

43 100

58 24.8 22.3 33.5

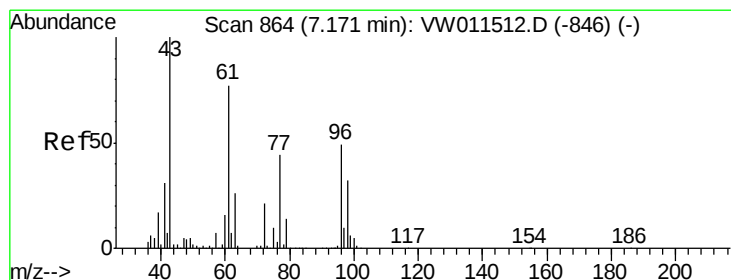
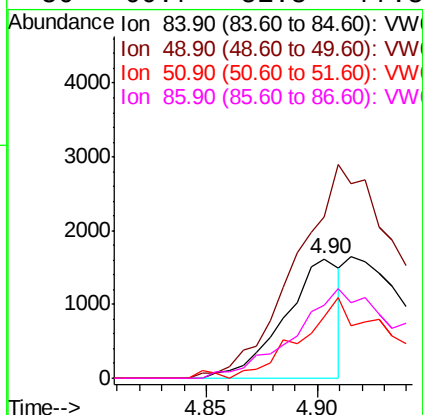
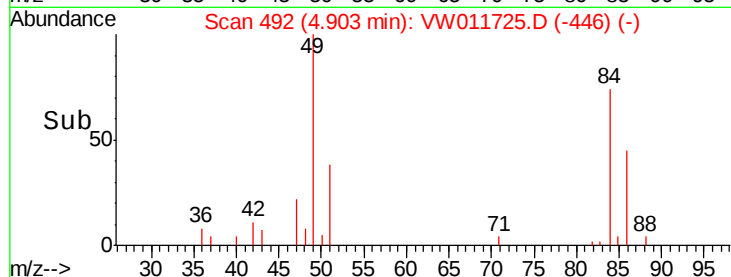
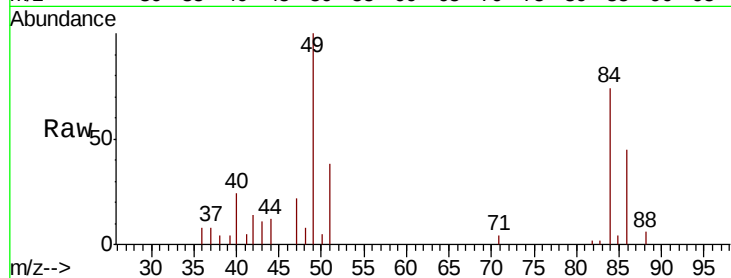




#20
Methylene Chloride
Concen: 1.093 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

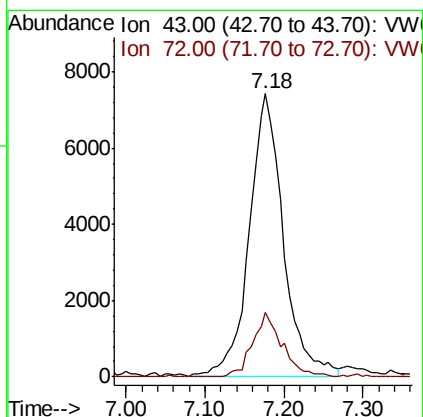
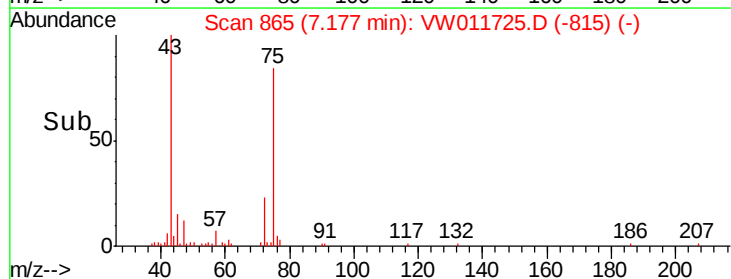
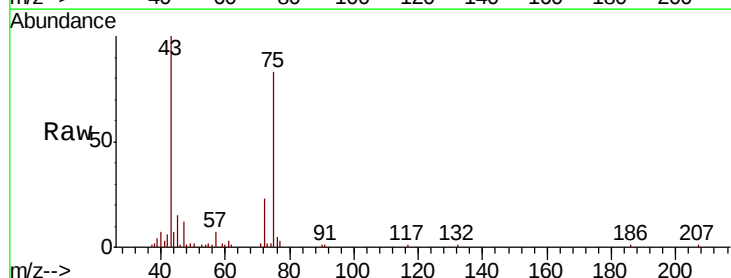
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MSVOA_W
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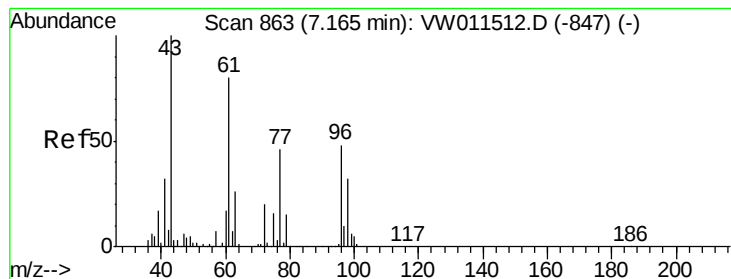
Tgt Ion: 84 Resp: 2825
Ion Ratio Lower Upper
84 100
49 134.8 117.8 176.6
51 51.2 37.0 55.4
86 60.7 51.8 77.8



#25
2-Butanone
Concen: 22.847 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Tgt Ion: 43 Resp: 22406
Ion Ratio Lower Upper
43 100
72 22.8 16.6 24.8





#26

2,2-Dichloropropane

Concen: 1.042 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011725.D

Acq: 05 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampled :

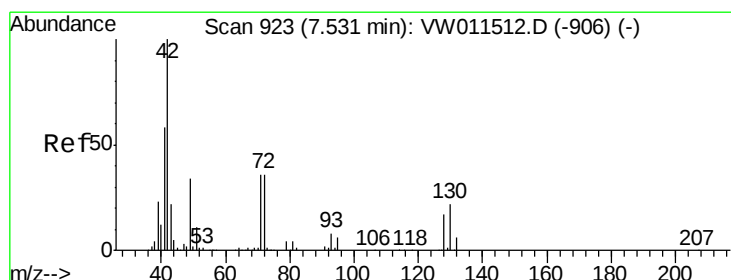
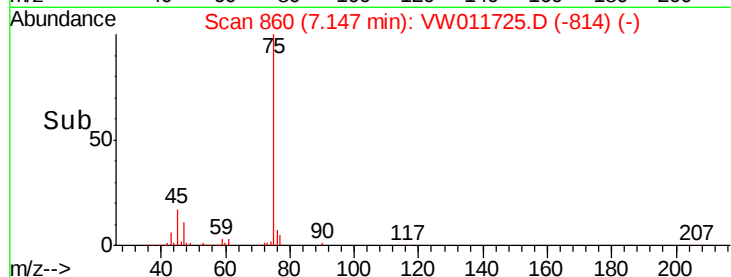
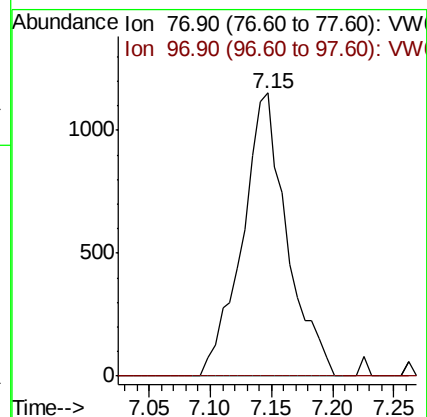
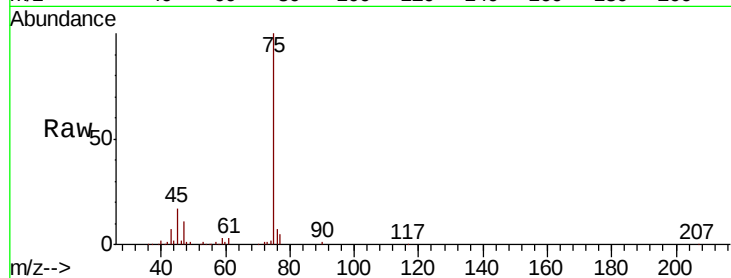
PS-9

Tgt Ion: 77 Resp: 2942

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 1.912 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011725.D

Acq: 05 Aug 2019 22:06

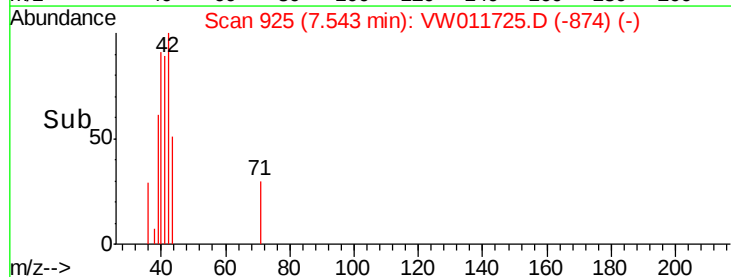
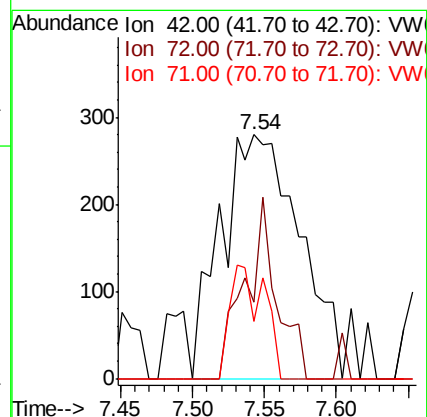
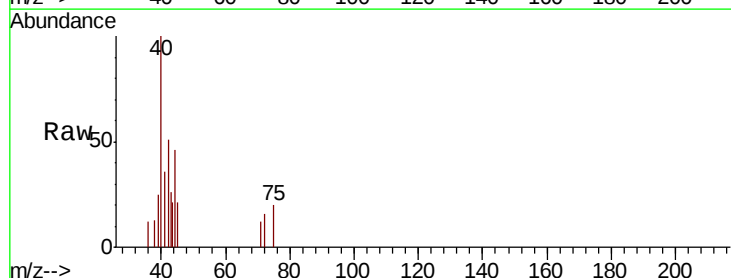
Tgt Ion: 42 Resp: 1072

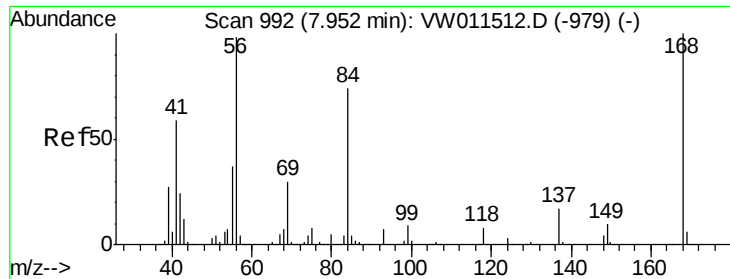
Ion Ratio Lower Upper

42 100

72 29.8 27.1 40.7

71 20.2 26.2 39.4#

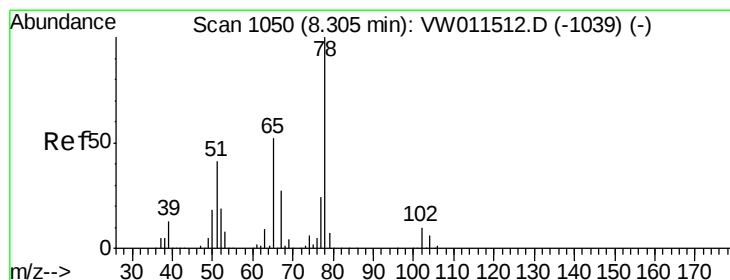
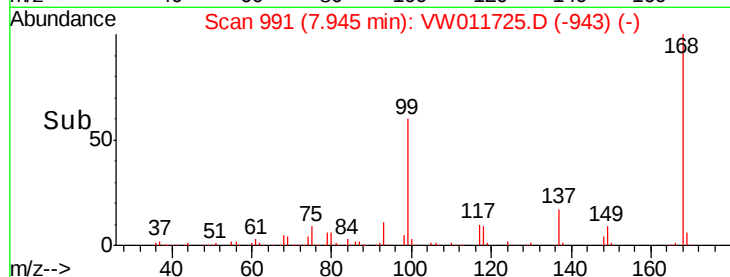
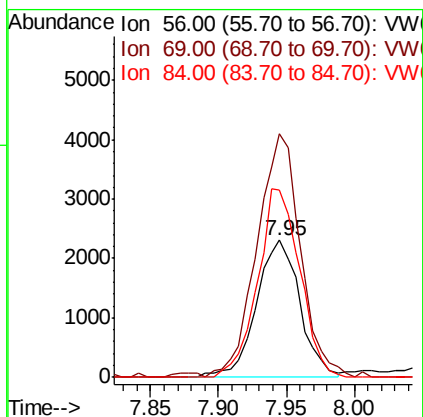
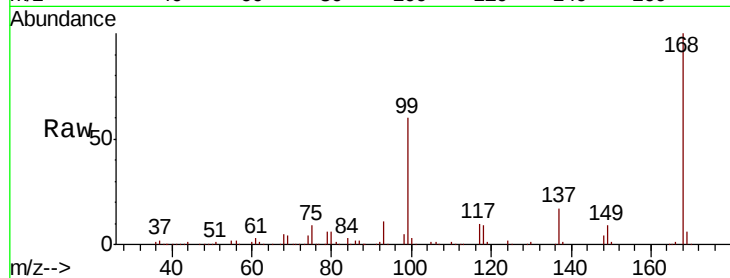




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

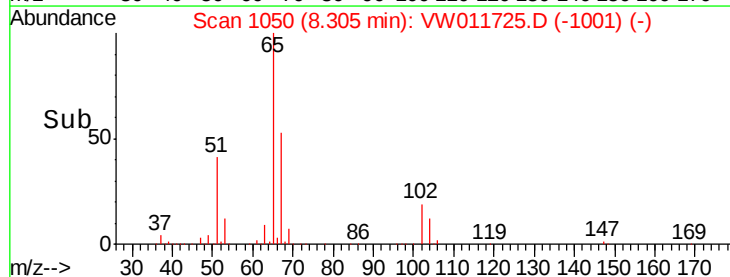
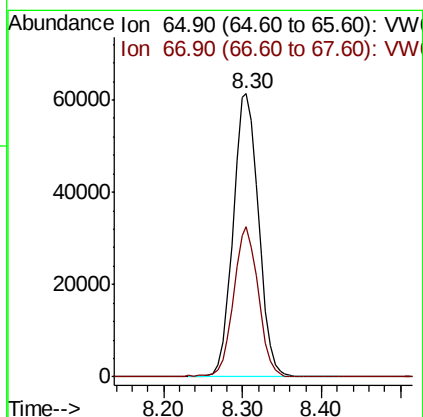
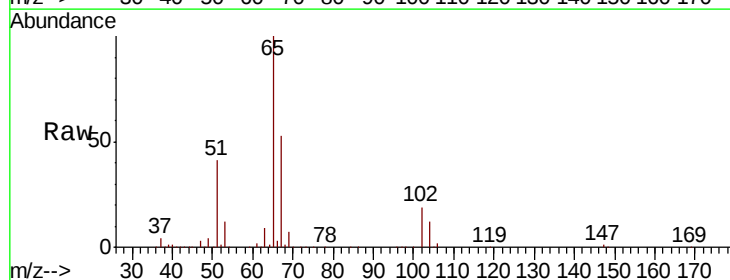
Instrument :
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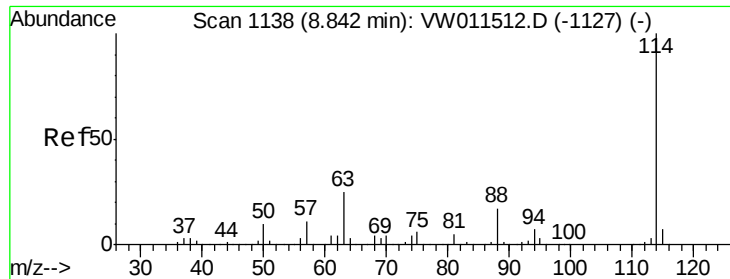
Tgt Ion: 56 Resp: 5154
Ion Ratio Lower Upper
56 100
69 174.3 24.3 36.5#
84 136.8 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 58.390 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Tgt Ion: 65 Resp: 137571
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2

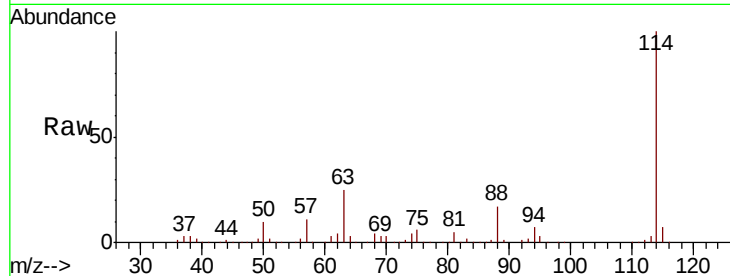




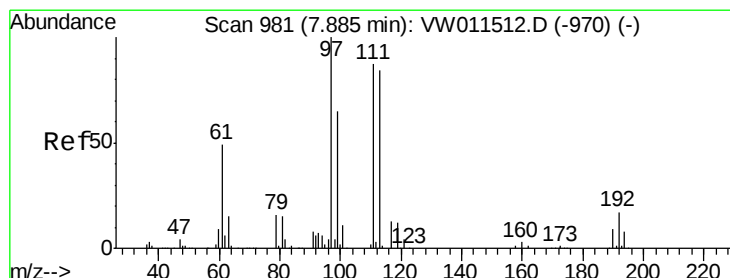
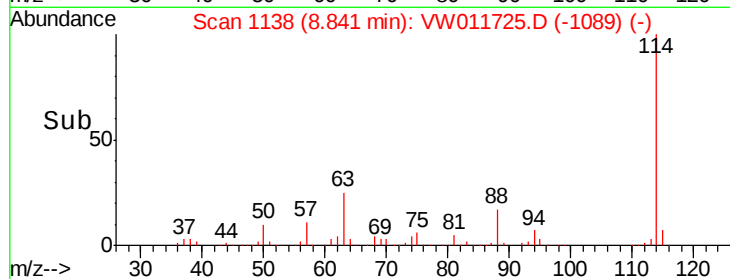
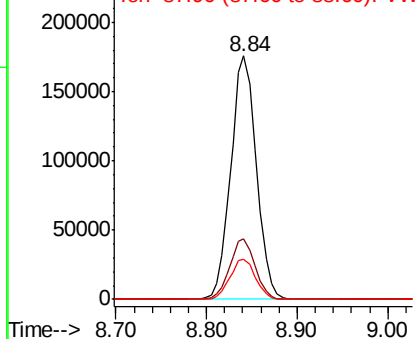
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-9

Tgt Ion:114 Resp: 343528
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.7 0.0 33.8

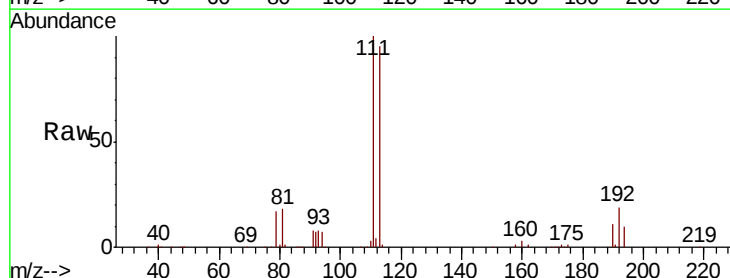


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

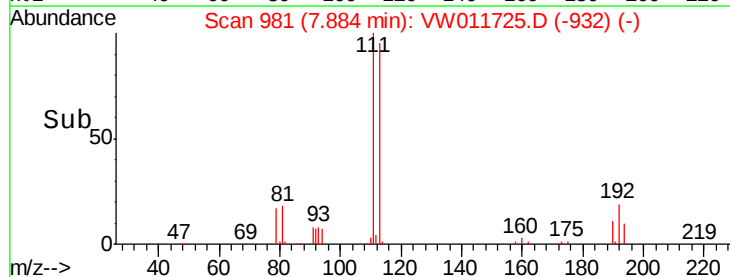
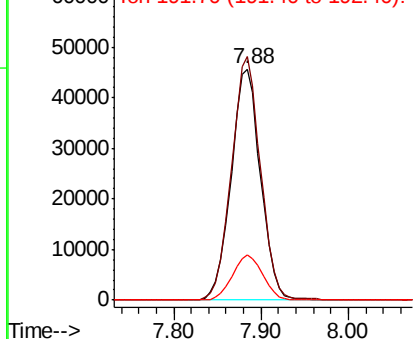


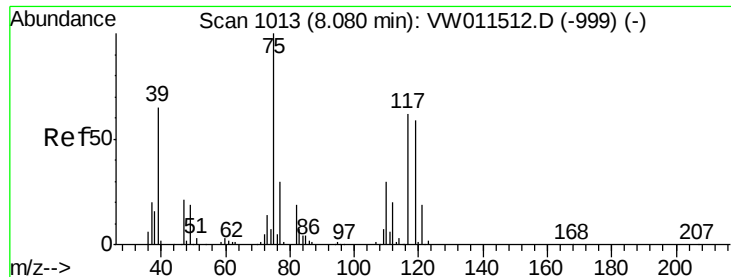
#35
 Dibromofluoromethane
 Concen: 55.404 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

Tgt Ion:113 Resp: 106777
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 19.9 16.1 24.1



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

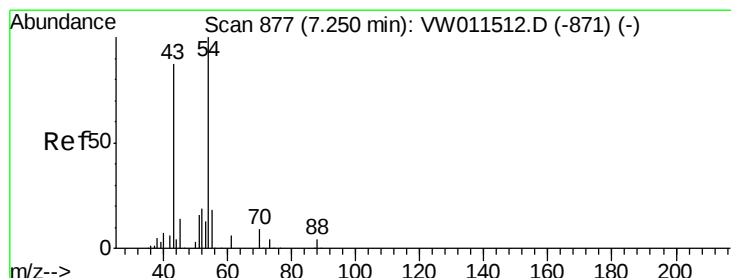
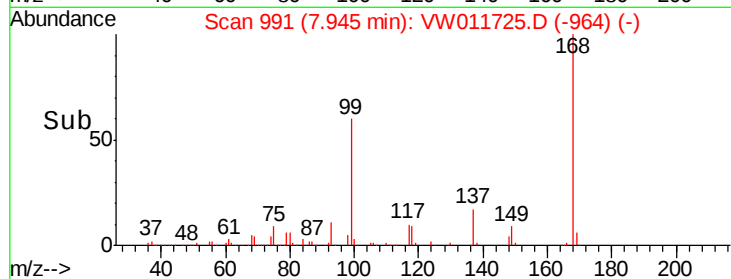
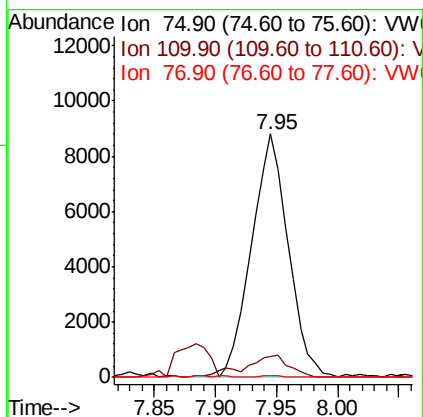
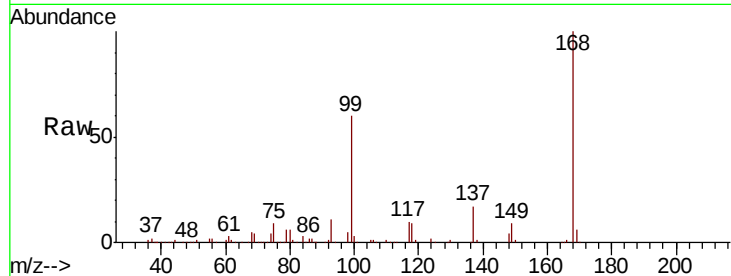




#36
 1,1-Dichloropropene
 Concen: 5.195 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

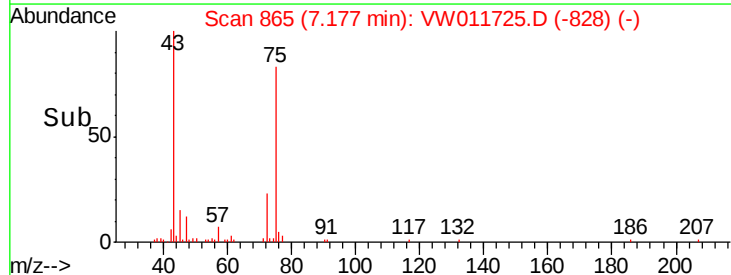
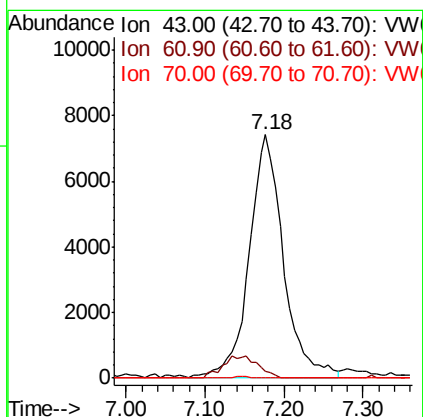
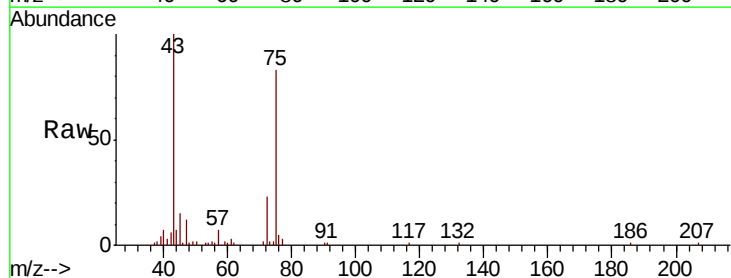
Instrument :
 MSVOA_W
 ClientSampled :
 PS-9

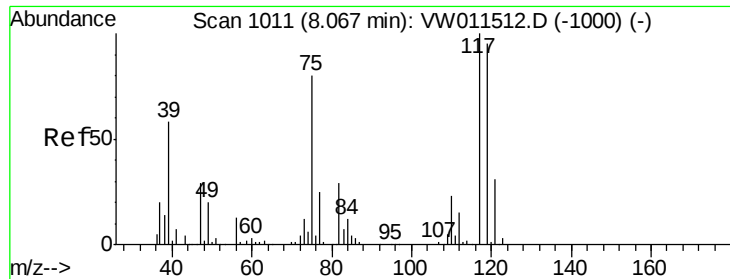
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.4	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 10.903 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.8	13.2#
70	0.0	7.1	10.7#

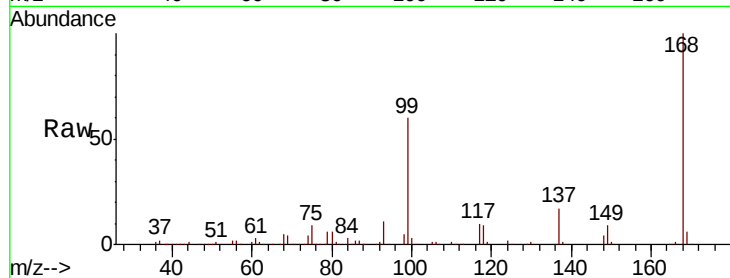




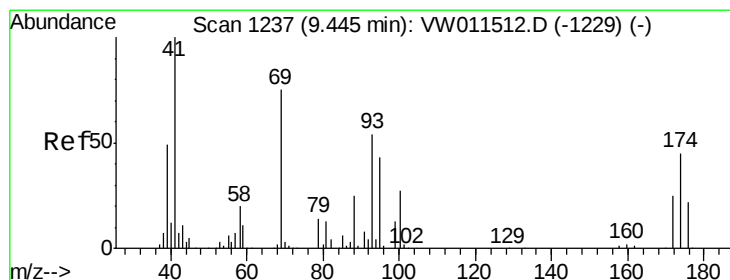
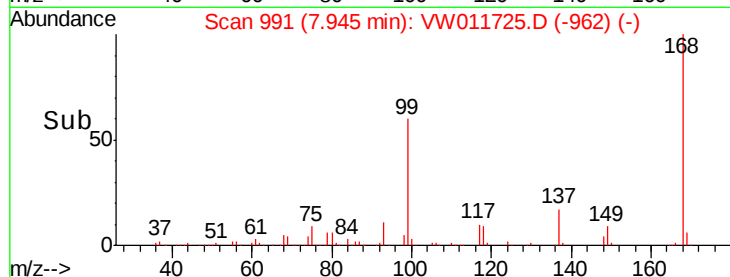
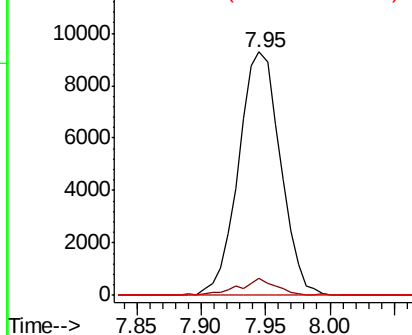
#38
Carbon Tetrachloride
Concen: 6.831 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Instrument :
MSVOA_W
ClientSampled :
PS-9

Tgt Ion: 117 Resp: 20890
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.7 37.1#

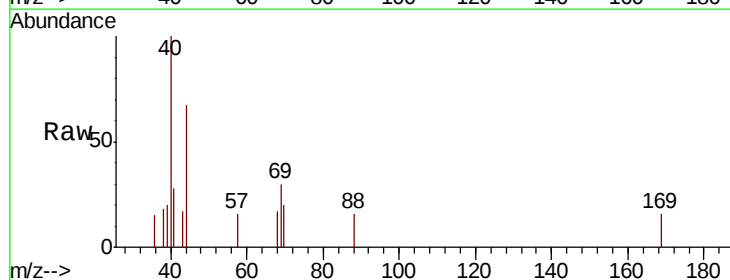


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

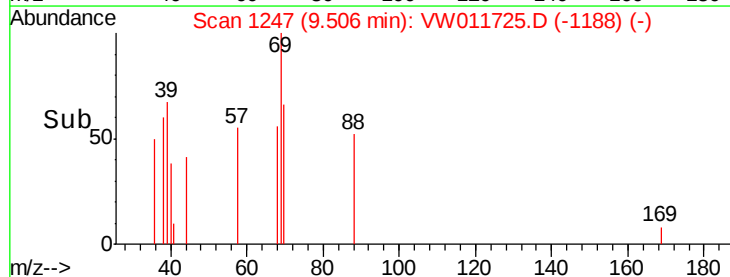
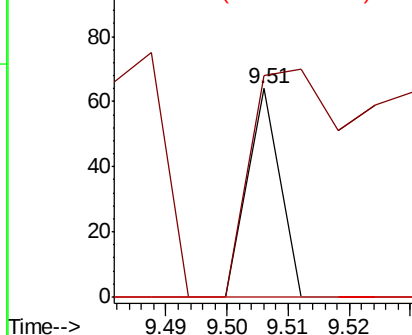


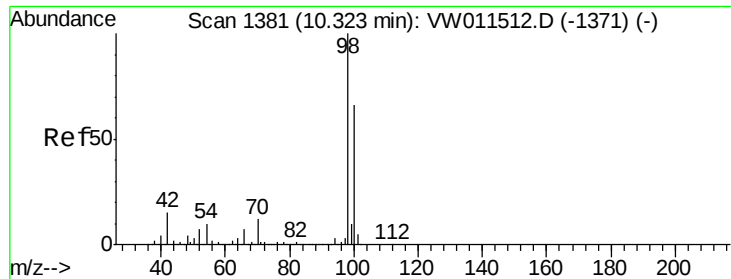
#49
1,4-Dioxane
Concen: 1.300 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 300.0 34.0 51.0#
58 0.0 69.7 104.5#



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

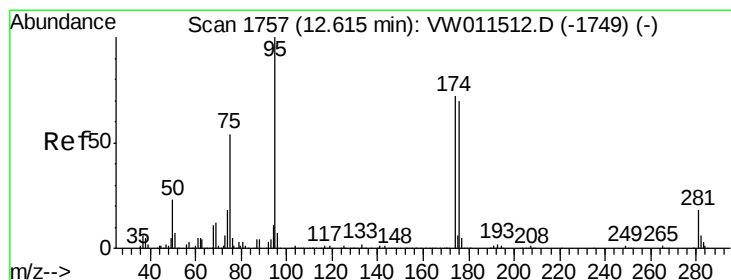
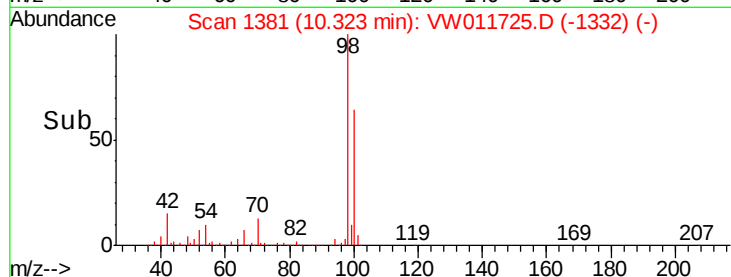
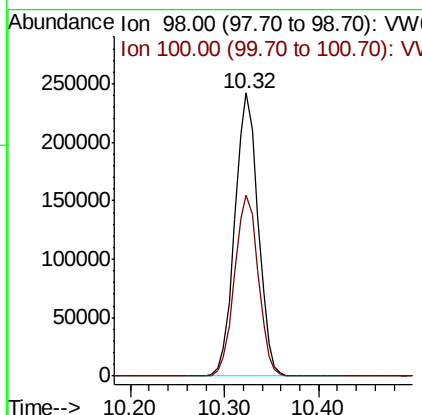
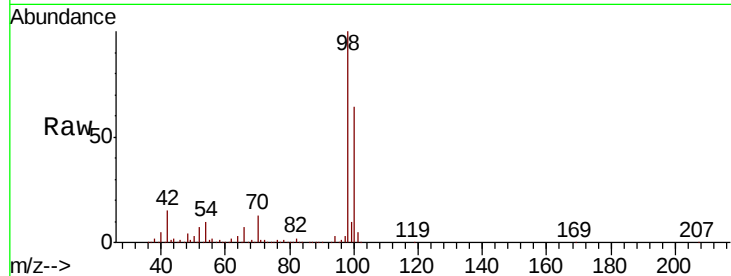




#50
Toluene-d8
Concen: 52.677 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

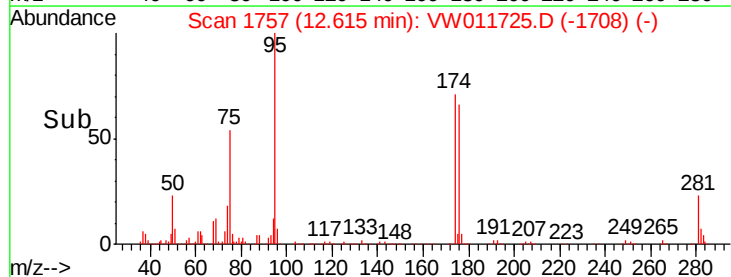
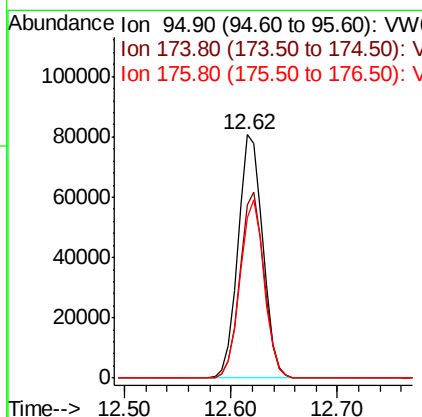
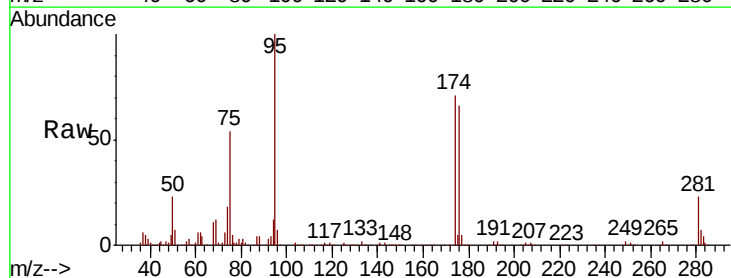
Instrument :
MSVOA_W
ClientSampled :
PS-9

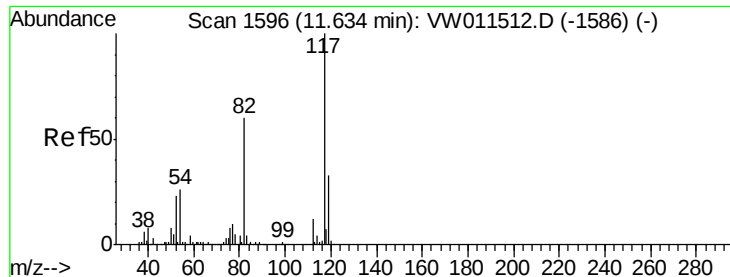
Tgt Ion: 98 Resp: 415661
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.118 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Tgt Ion: 95 Resp: 132553
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.2
176 71.4 0.0 144.4

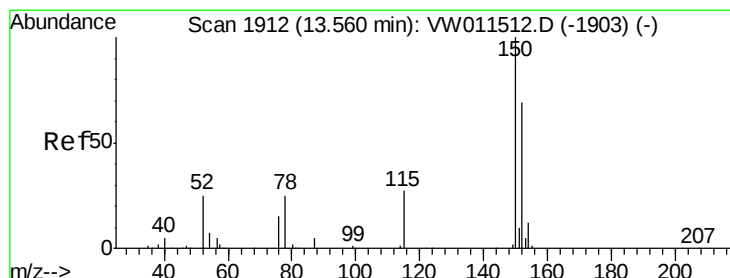
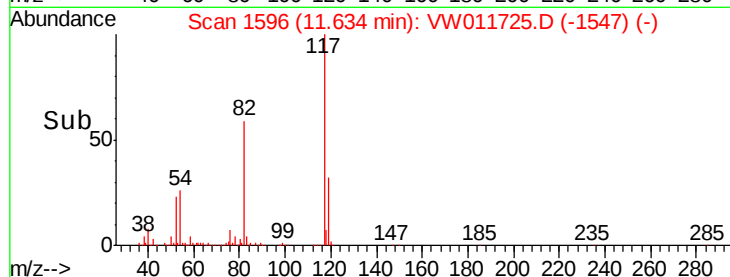
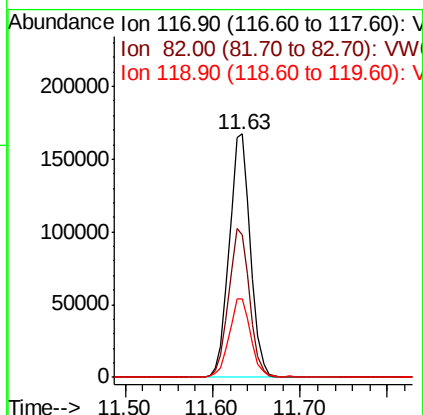
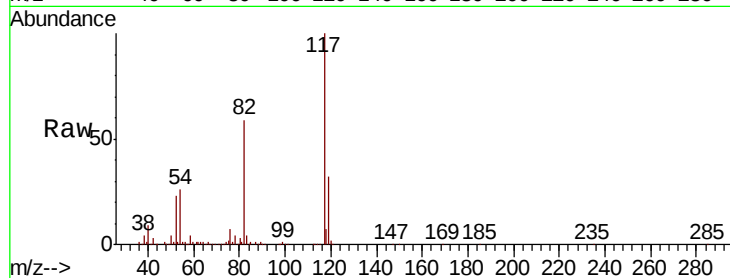




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

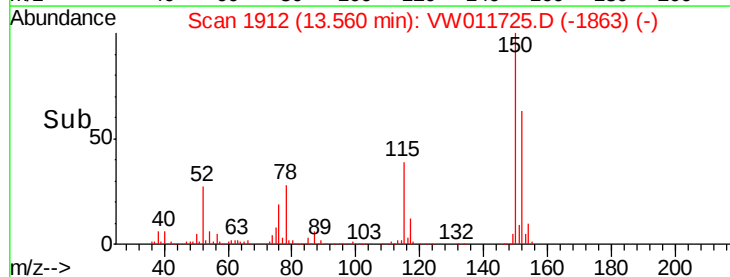
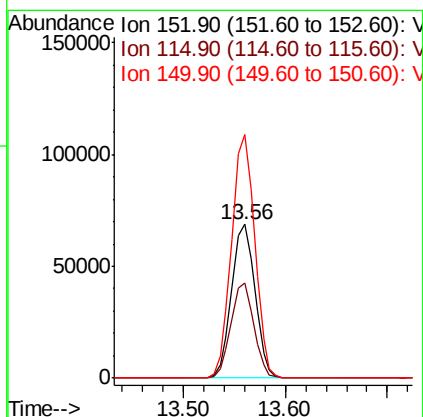
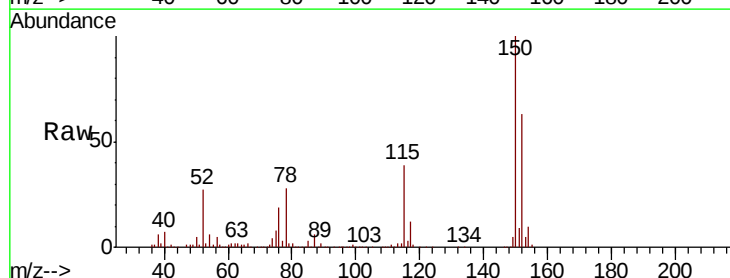
Instrument :
MSVOA_W
ClientSampleId :
PS-9

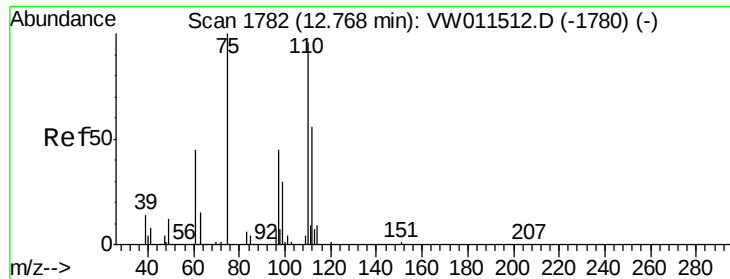
Tgt Ion:117 Resp: 281031
Ion Ratio Lower Upper
117 100
82 58.5 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011725.D
Acq: 05 Aug 2019 22:06

Tgt Ion:152 Resp: 109498
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 156.1 0.0 352.6

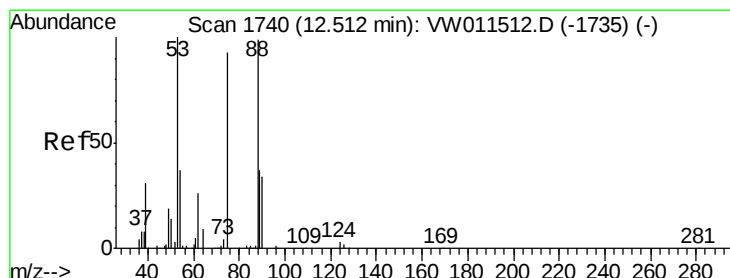
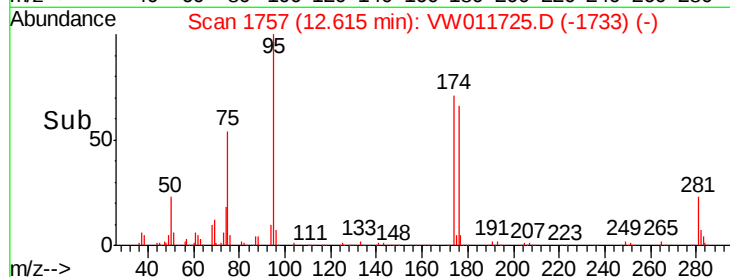
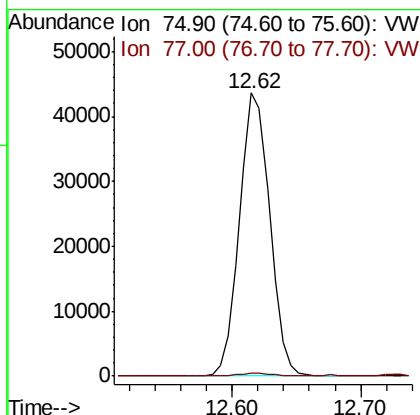
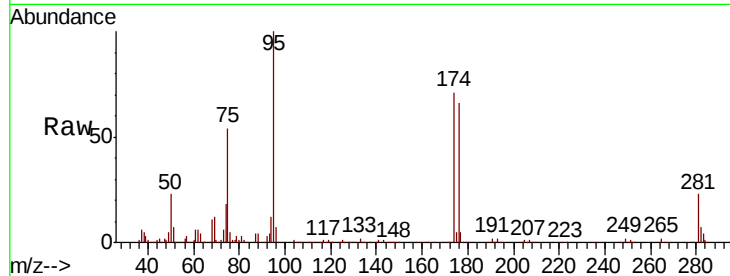




#76
 1,2,3-Trichloropropane
 Concen: 61.185 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

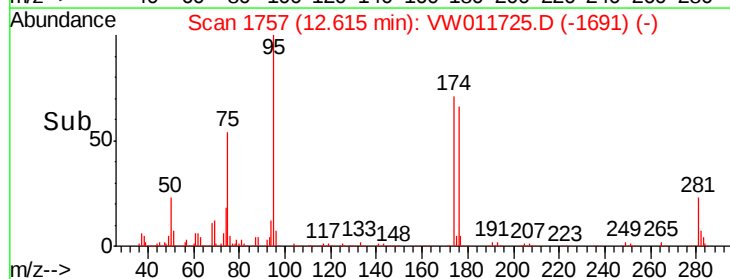
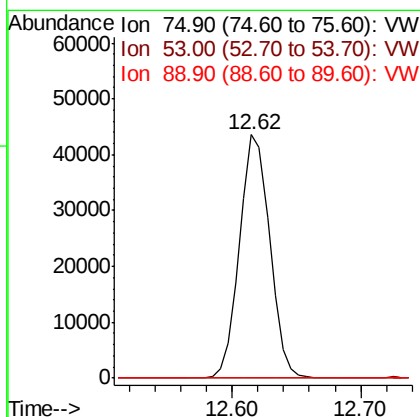
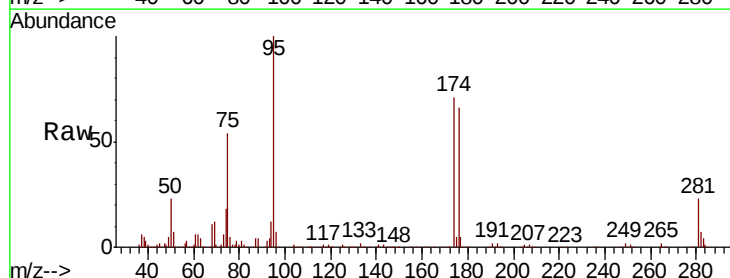
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-9

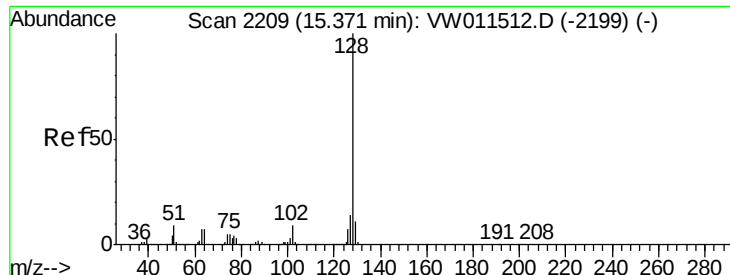
Tgt Ion: 75 Resp: 70890
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.011 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011725.D
 Acq: 05 Aug 2019 22:06

Tgt Ion: 75 Resp: 70890
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.113 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011725.D

Acq: 05 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

PS-9

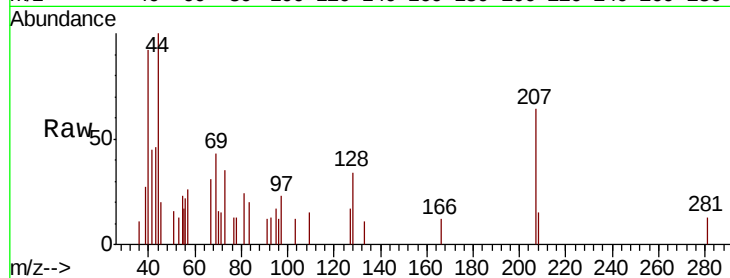
Tgt Ion:128 Resp: 211

Ion Ratio Lower Upper

128 100

127 22.3 10.6 16.0#

129 0.0 8.6 13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

