

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011825.D
 Acq On : 09 Aug 2019 21:43
 Operator : SY/VA
 Sample : K4227-09
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-K-(1)

Quant Time: Aug 11 01:29:56 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

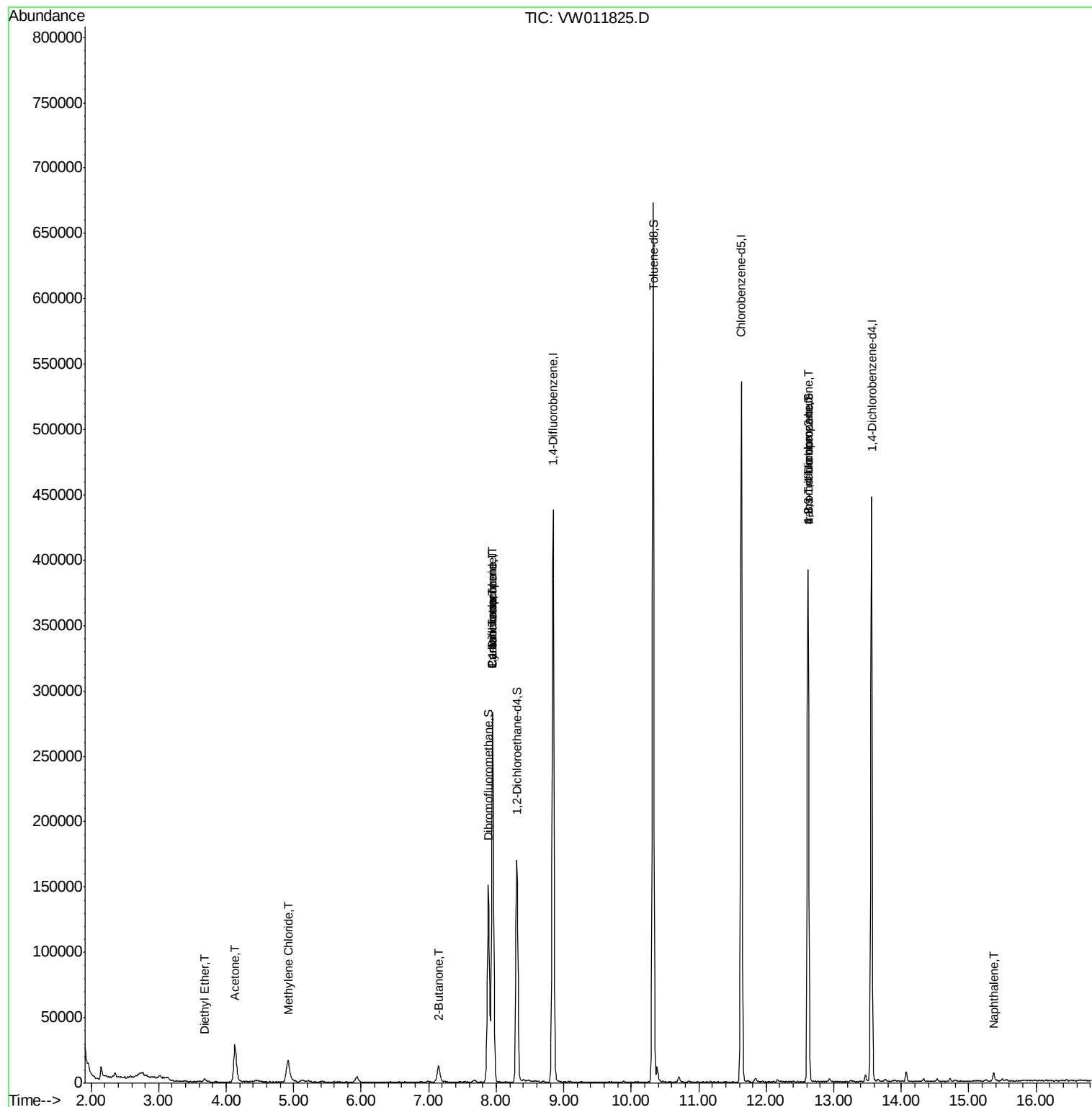
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	199820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135498	59.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.10%	
35) Dibromofluoromethane	7.88	113	103921	55.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.52%	
50) Toluene-d8	10.32	98	413014	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	128320	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1245	1.057	ug/l	81
11) Tert butyl alcohol	5.12	59	979	Below Cal	#	89
16) Acetone	4.13	43	55788	76.435	ug/l	100
20) Methylene Chloride	4.92	84	12771	5.074	ug/l	97
25) 2-Butanone	7.15	43	969	1.015	ug/l #	56
31) Cyclohexane	7.95	56	4998	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17586	5.046	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20415	6.842	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	69814	59.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69814	137.266	ug/l #	6
95) Naphthalene	15.37	128	4895	3.139	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011825.D

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Instrument :

MSVOA_W

ClientSampleId :

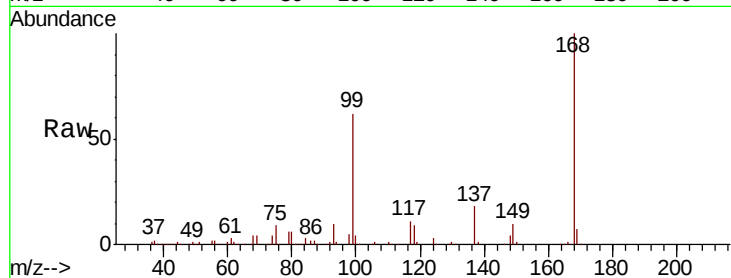
1S-K-(1)

Tgt Ion:168 Resp: 199820

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

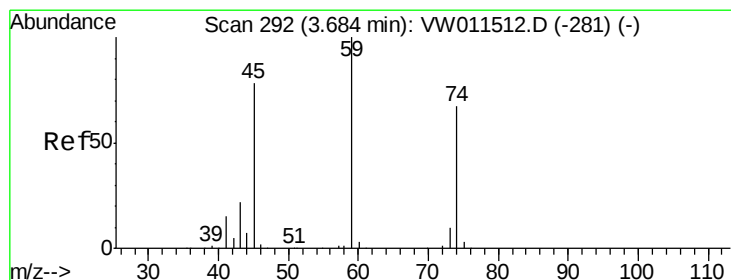
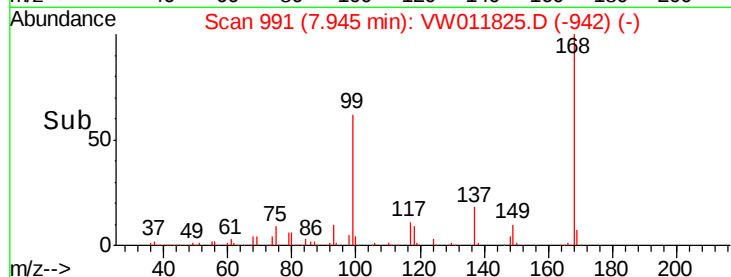
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.057 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011825.D

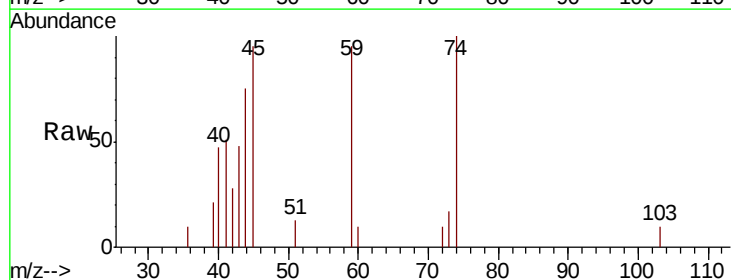
Acq: 09 Aug 2019 21:43

Tgt Ion: 74 Resp: 1245

Ion Ratio Lower Upper

74 100

45 140.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

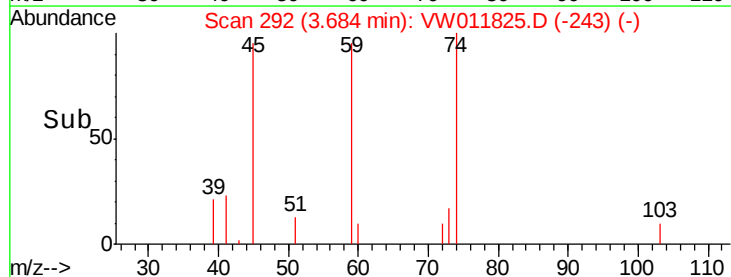
600

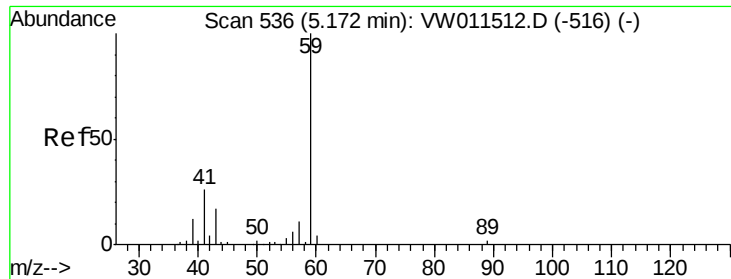
400

200

0

Time-->

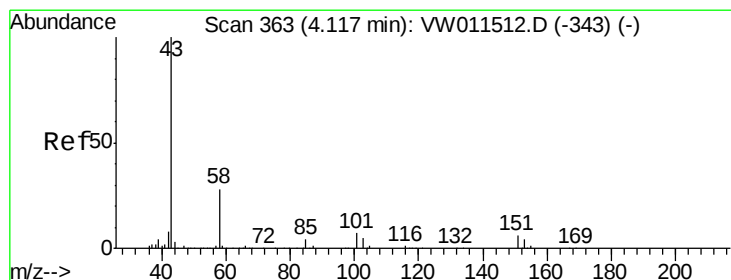
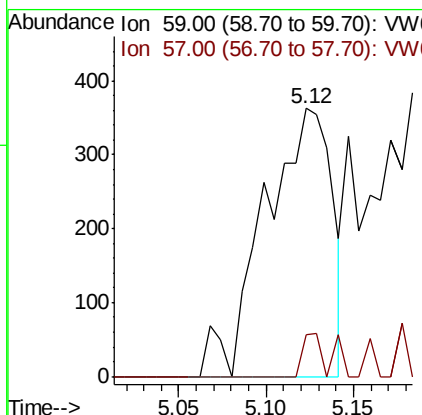
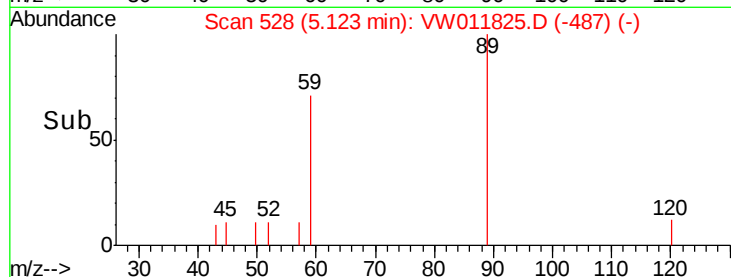
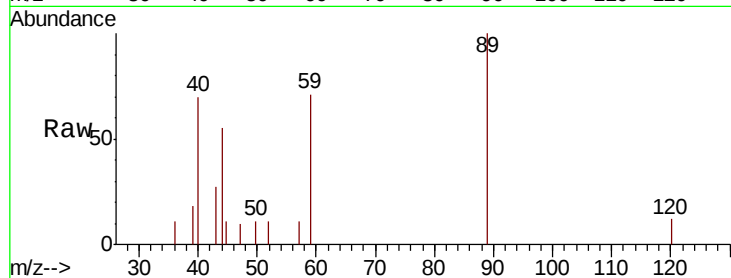




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

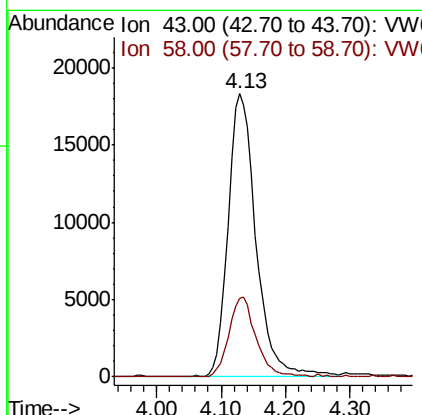
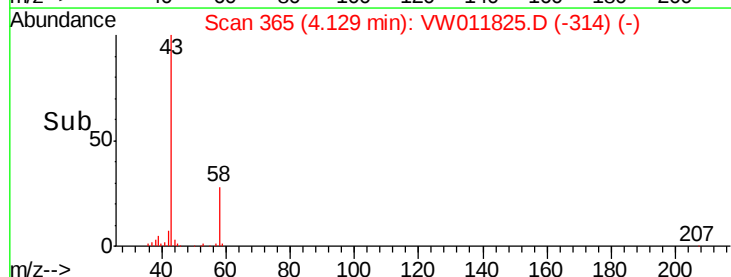
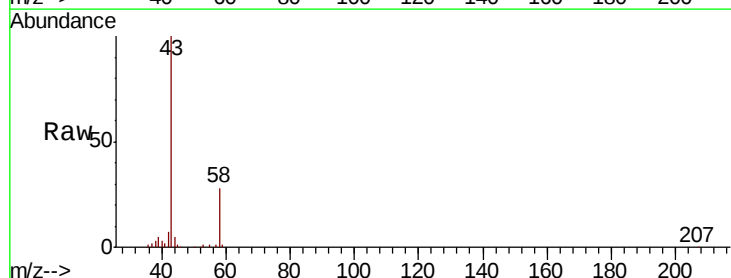
Instrument :
MSVOA_W
ClientSampleId :
1S-K-(1)

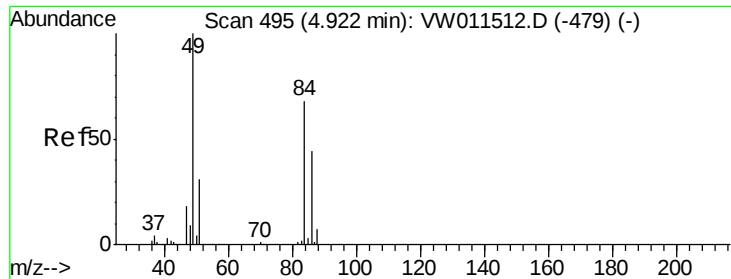
Tgt Ion: 59 Resp: 979
Ion Ratio Lower Upper
59 100
57 6.4 8.5 12.7#



#16
Acetone
Concen: 76.435 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

Tgt Ion: 43 Resp: 55788
Ion Ratio Lower Upper
43 100
58 27.7 22.3 33.5

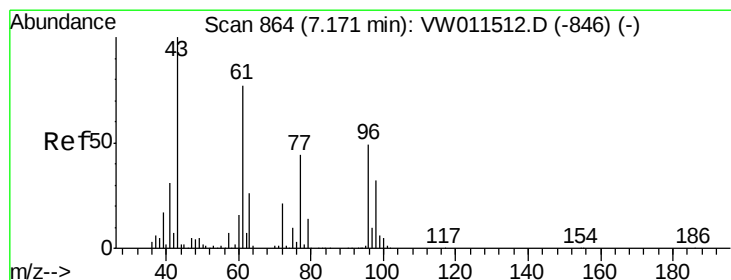
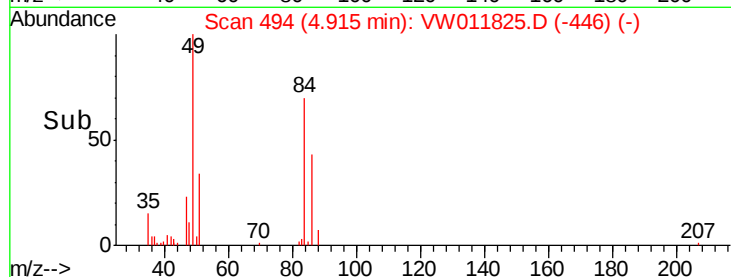
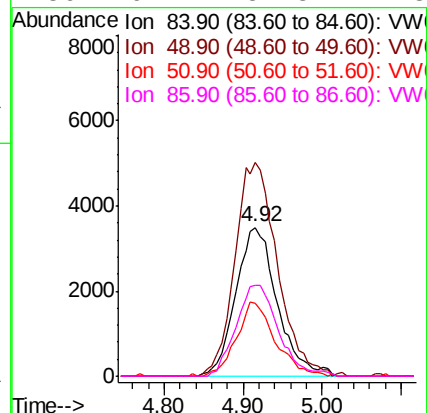
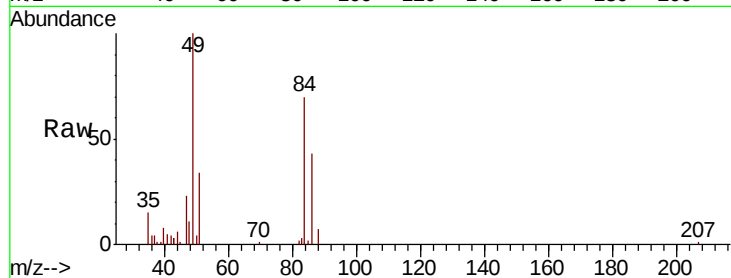




#20
Methylene Chloride
Concen: 5.074 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

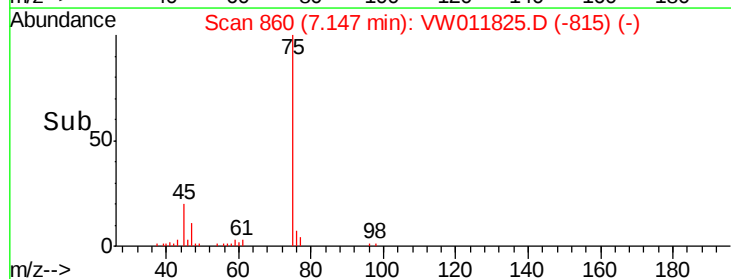
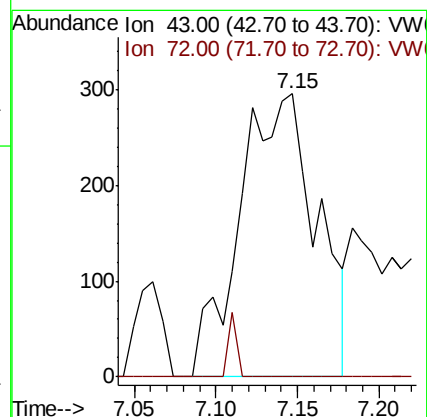
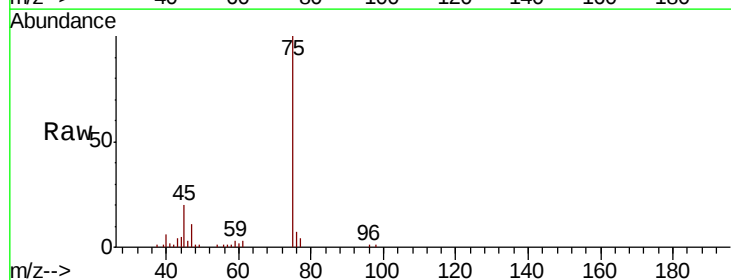
Instrument :
MSVOA_W
ClientSampleId :
1S-K-(1)

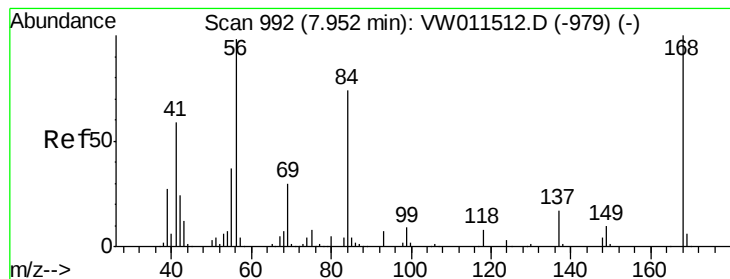
Tgt Ion:	84	Resp:	12771
Ion	Ratio	Lower	Upper
84	100		
49	143.5	117.8	176.6
51	47.1	37.0	55.4
86	61.4	51.8	77.8



#25
2-Butanone
Concen: 1.015 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

Tgt Ion:	43	Resp:	969
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.6	24.8#





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011825.D

Acq: 09 Aug 2019 21:43

Instrument :
MSVOA_W
ClientSampled :
1S-K-(1)

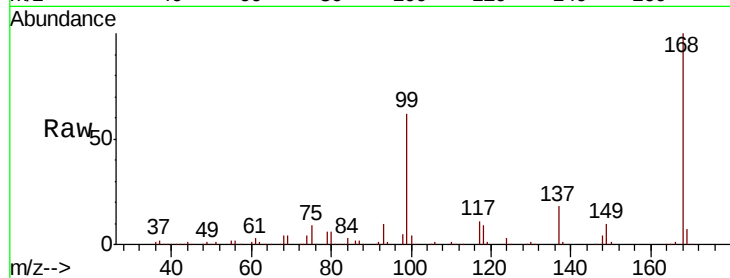
Tgt Ion: 56 Resp: 4998

Ion Ratio Lower Upper

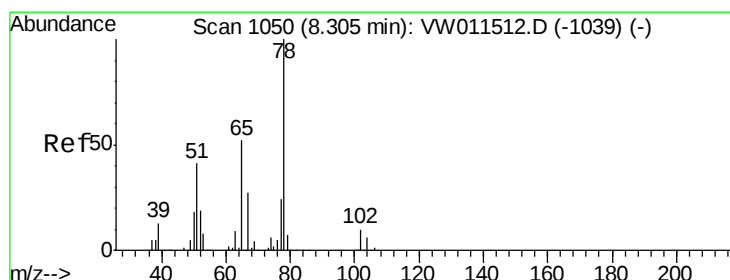
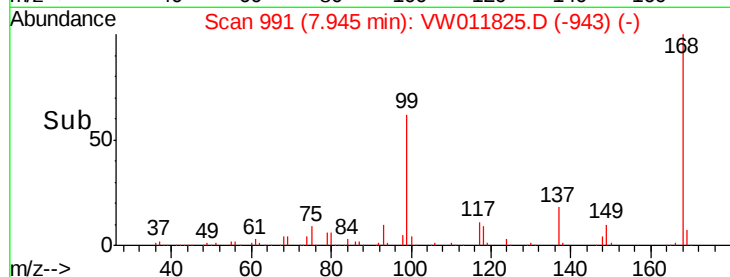
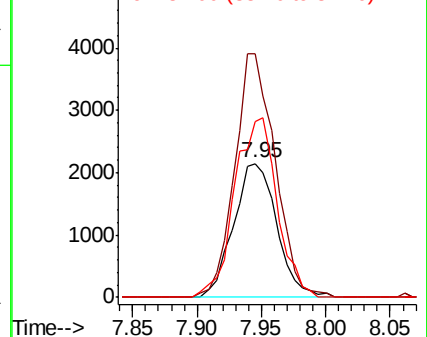
56 100

69 181.6 24.3 36.5#

84 131.4 60.4 90.6#



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: 59.054 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011825.D

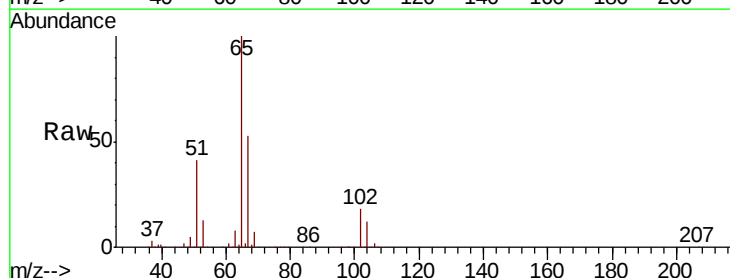
Acq: 09 Aug 2019 21:43

Tgt Ion: 65 Resp: 135498

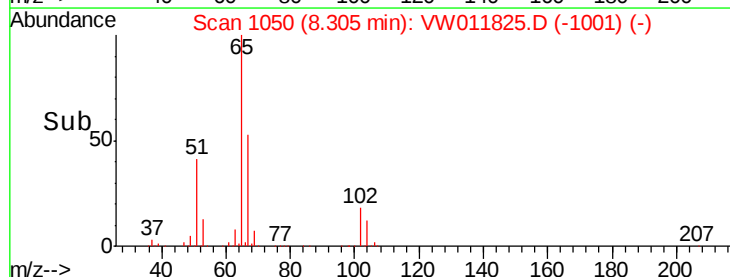
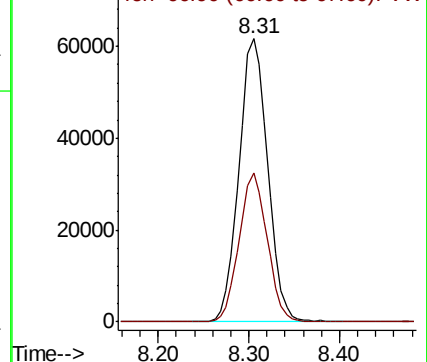
Ion Ratio Lower Upper

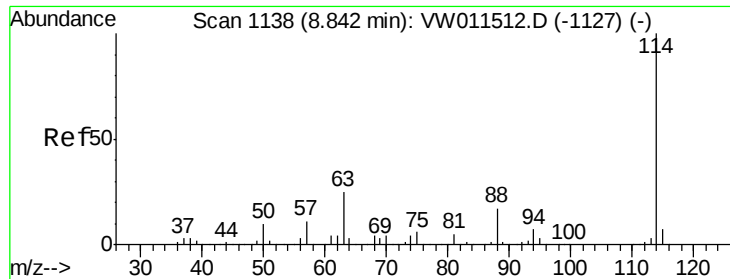
65 100

67 51.4 0.0 105.2



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

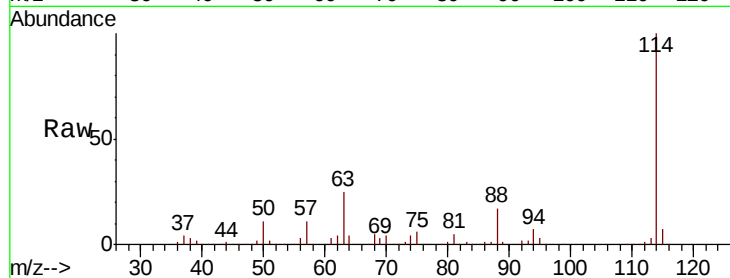




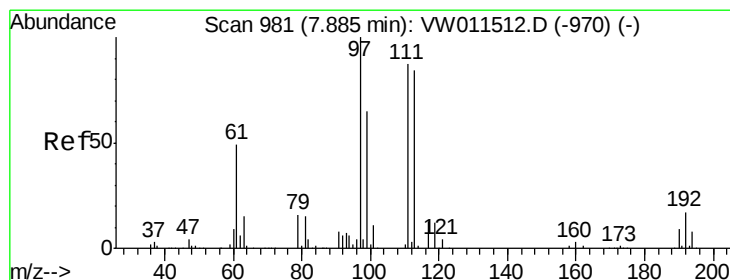
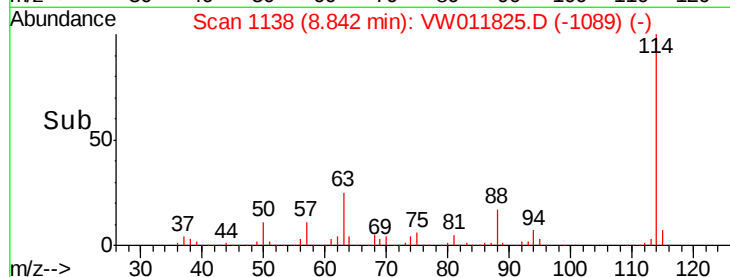
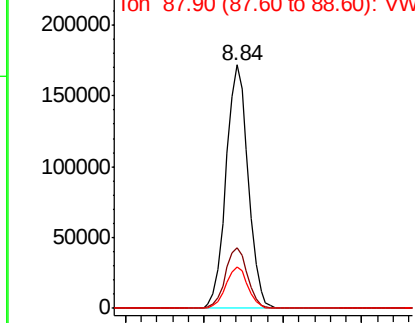
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011825.D
 Acq: 09 Aug 2019 21:43

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-K-(1)

Tgt Ion:114 Resp: 335198
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.8 0.0 33.8

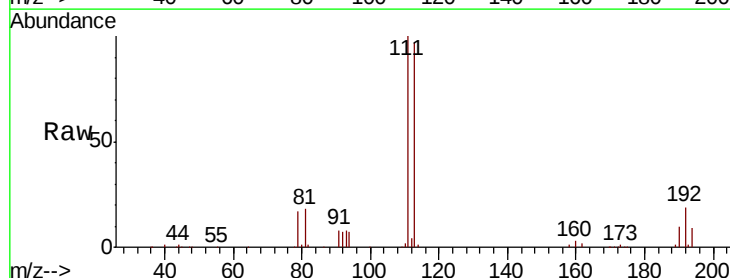


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

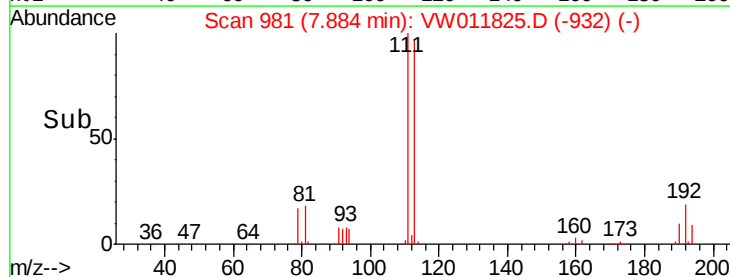
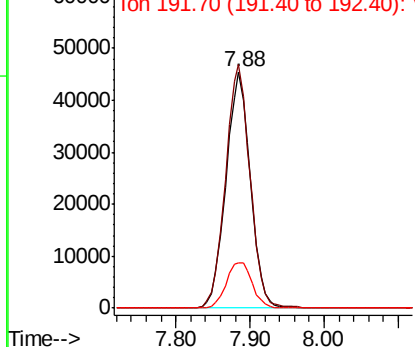


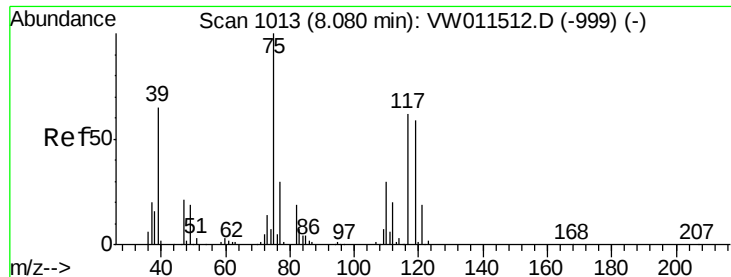
#35
 Dibromofluoromethane
 Concen: 55.262 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011825.D
 Acq: 09 Aug 2019 21:43

Tgt Ion:113 Resp: 103921
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.4 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

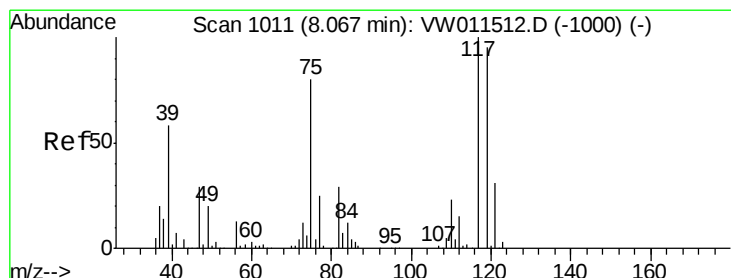
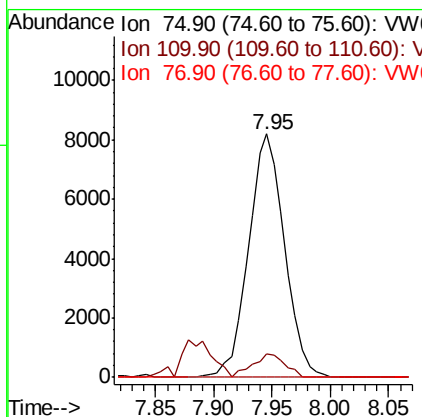
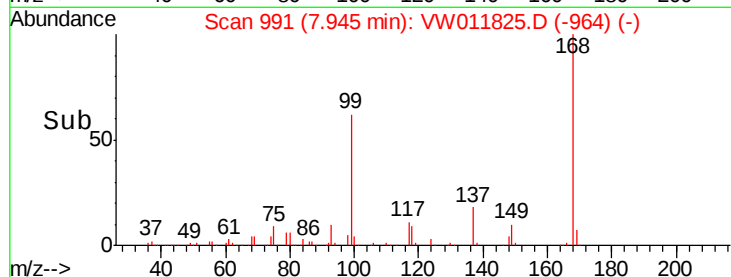
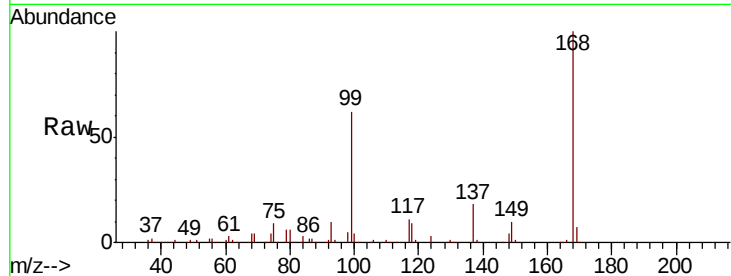




#36
 1,1-Dichloropropene
 Concen: 5.046 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011825.D
 Acq: 09 Aug 2019 21:43

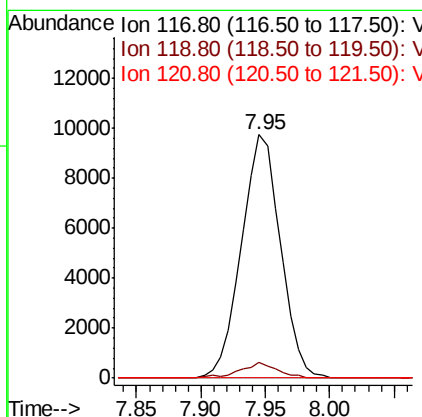
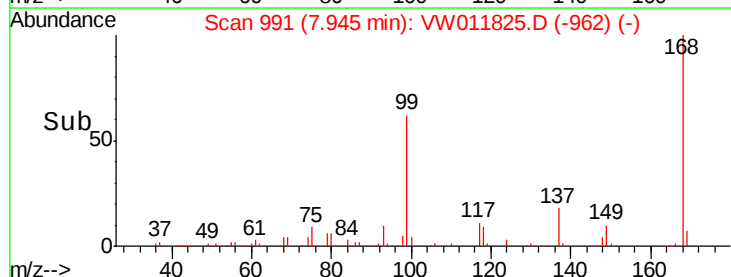
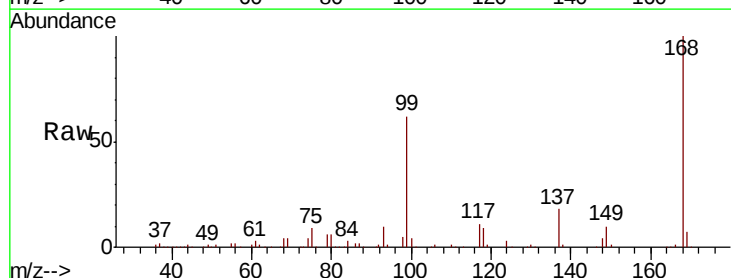
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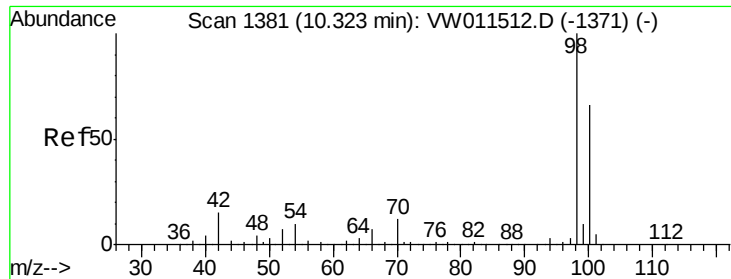
Tgt Ion: 75 Resp: 17586
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.842 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011825.D
 Acq: 09 Aug 2019 21:43

Tgt Ion: 117 Resp: 20415
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.642 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011825.D

Acq: 09 Aug 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

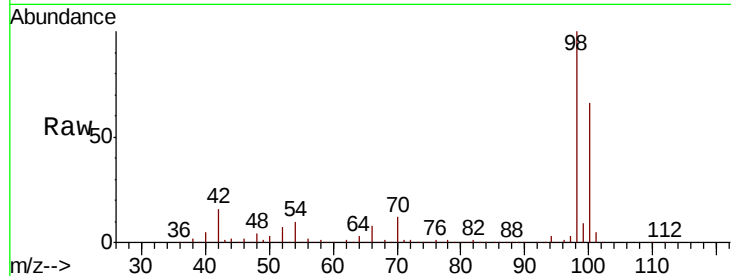
1S-K-(1)

Tgt Ion: 98 Resp: 413014

Ion Ratio Lower Upper

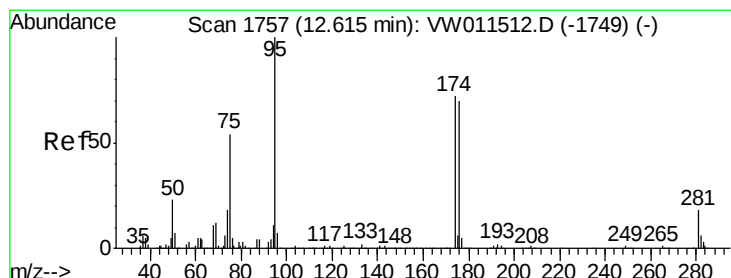
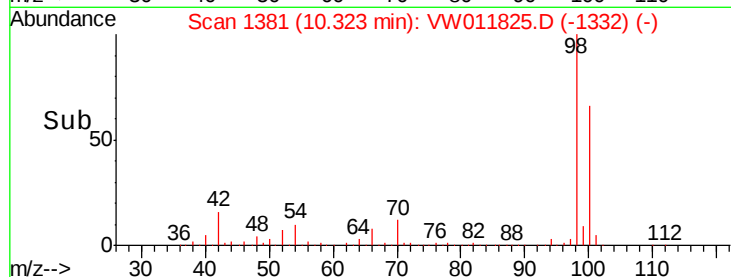
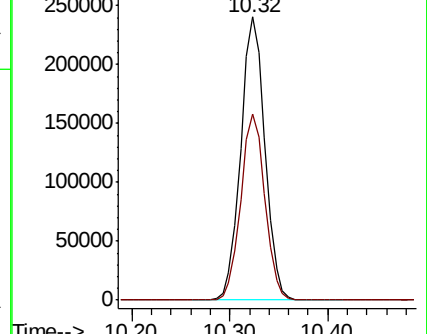
98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 46.747 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011825.D

Acq: 09 Aug 2019 21:43

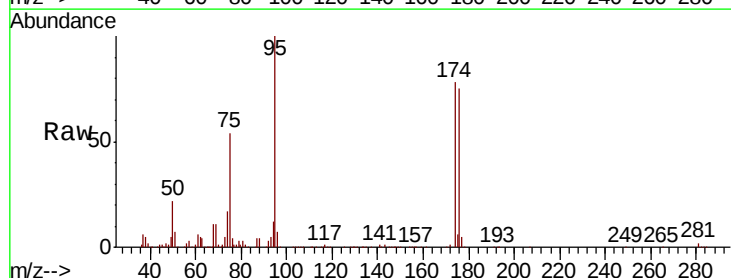
Tgt Ion: 95 Resp: 128320

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

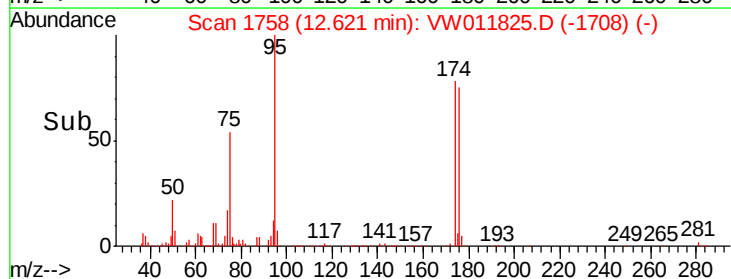
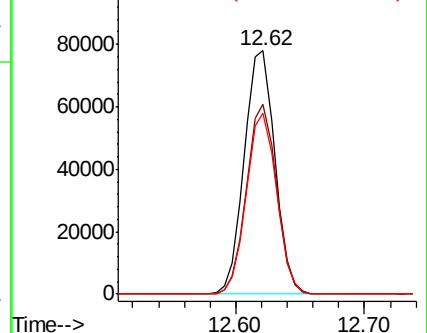
176 73.3 0.0 144.4

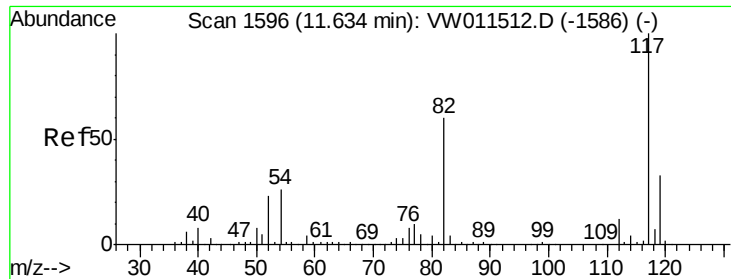


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

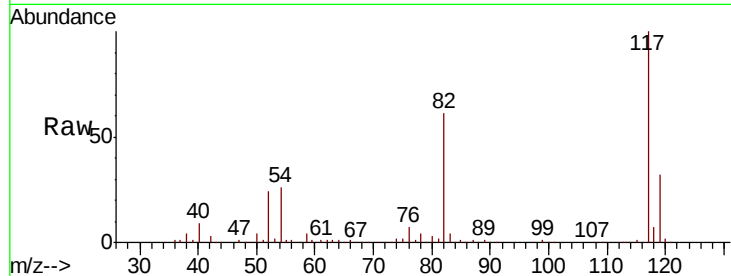




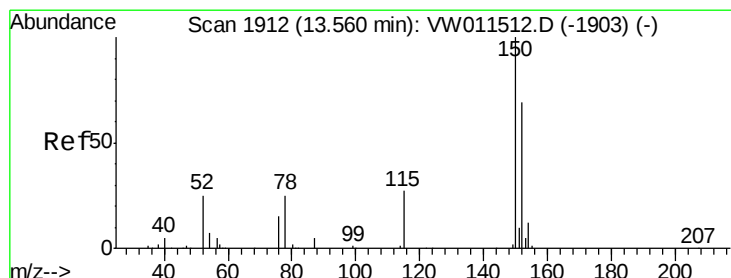
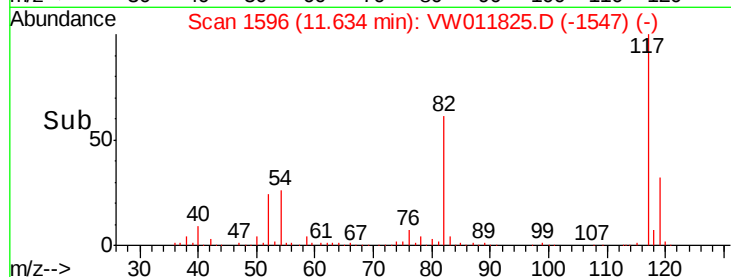
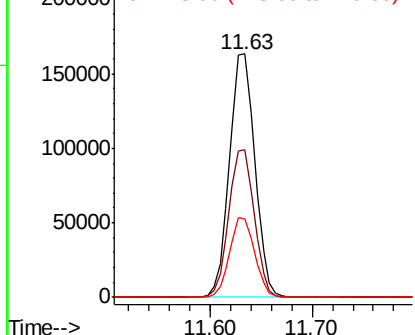
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

Instrument :
MSVOA_W
ClientSampleId :
1S-K-(1)

Tgt Ion:117 Resp: 280690
Ion Ratio Lower Upper
117 100
82 60.7 47.9 71.9
119 32.5 26.2 39.2

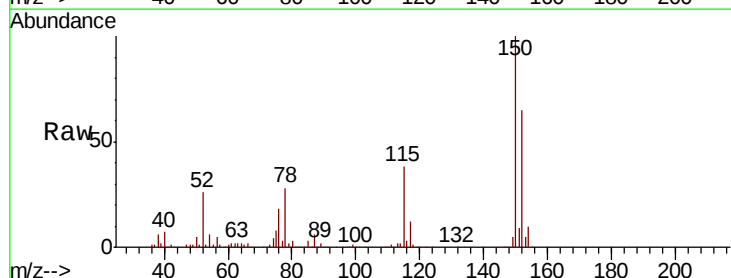


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

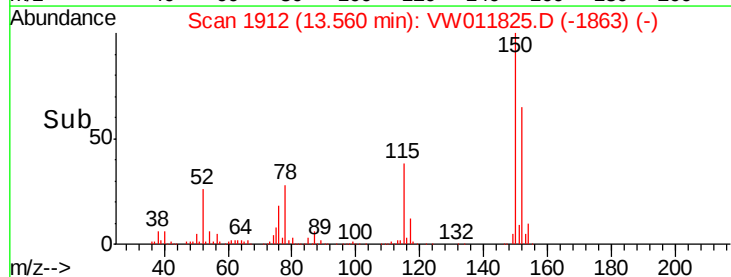
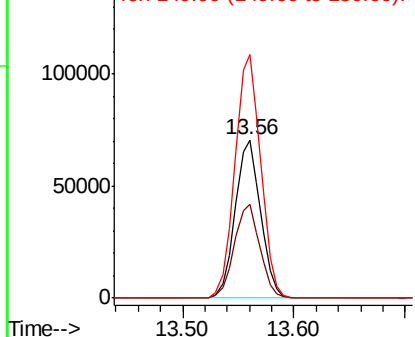


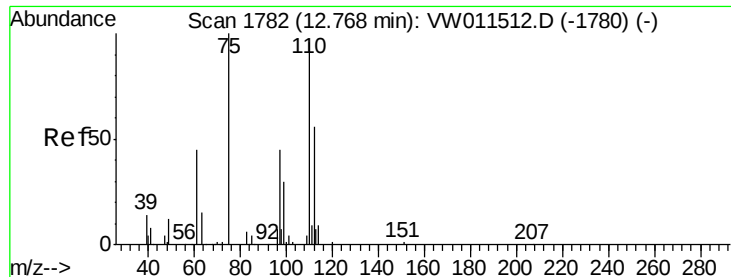
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

Tgt Ion:152 Resp: 110778
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 156.4 0.0 352.6



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





#76

1,2,3-Trichloropropane

Concen: 59.560 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011825.D

Acq: 09 Aug 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

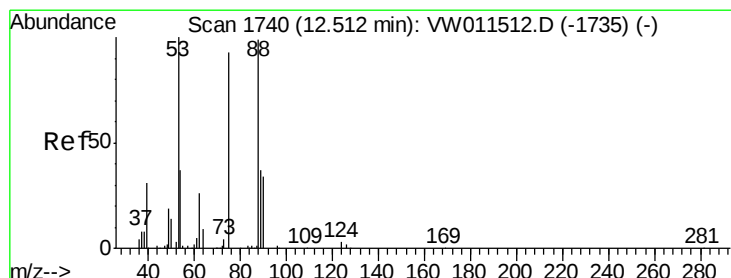
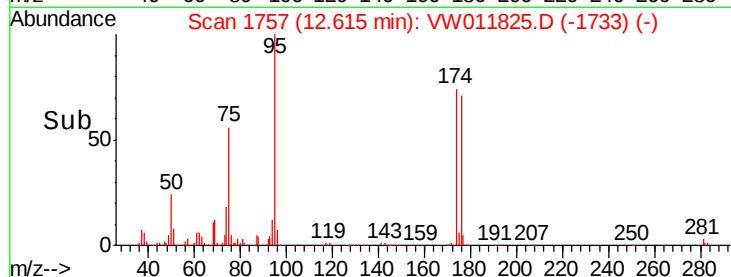
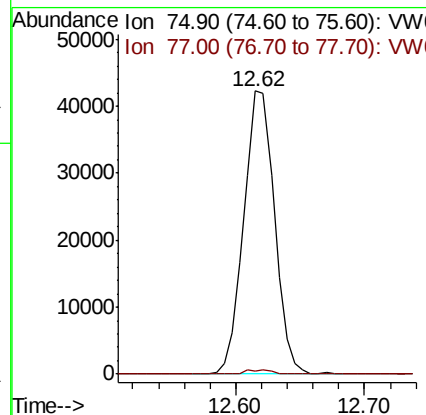
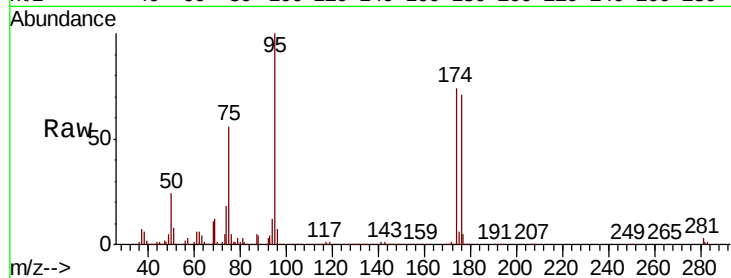
1S-K-(1)

Tgt Ion: 75 Resp: 69814

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.266 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011825.D

Acq: 09 Aug 2019 21:43

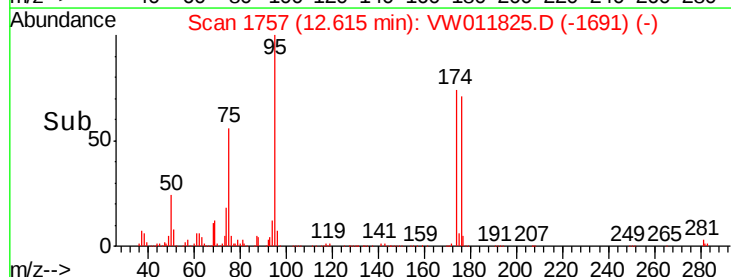
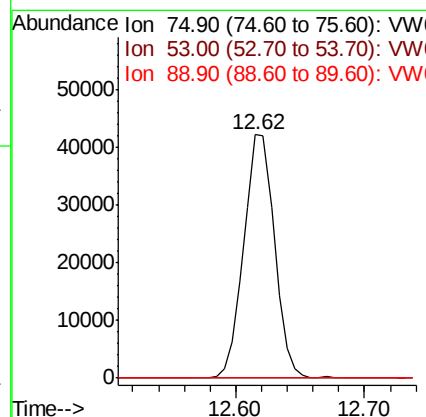
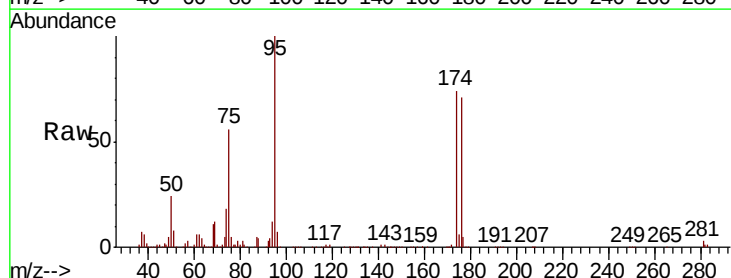
Tgt Ion: 75 Resp: 69814

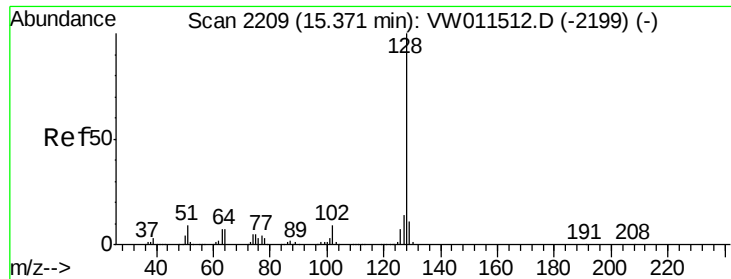
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#

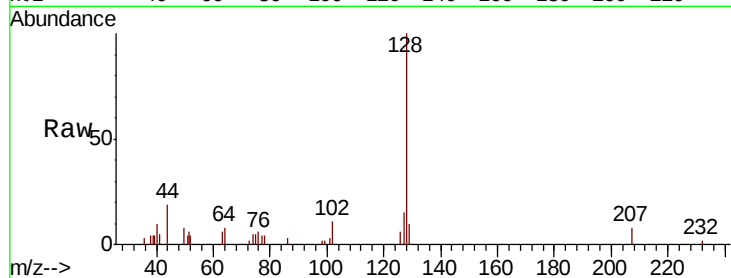




#95
Naphthalene
Concen: 3.139 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011825.D
Acq: 09 Aug 2019 21:43

Instrument :
MSVOA_W
ClientSampleId :
1S-K-(1)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	10.6	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

