

Data File : VW012014.D
Acq On : 20 Aug 2019 02:05
Operator : SY/VA
Sample : K4095-09
Misc : 5.68G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-03-081919

Quant Time: Aug 20 05:17:04 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	300723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	181162	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	146824	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.32	98	594748	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.62	95	185382	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	

Target Compounds

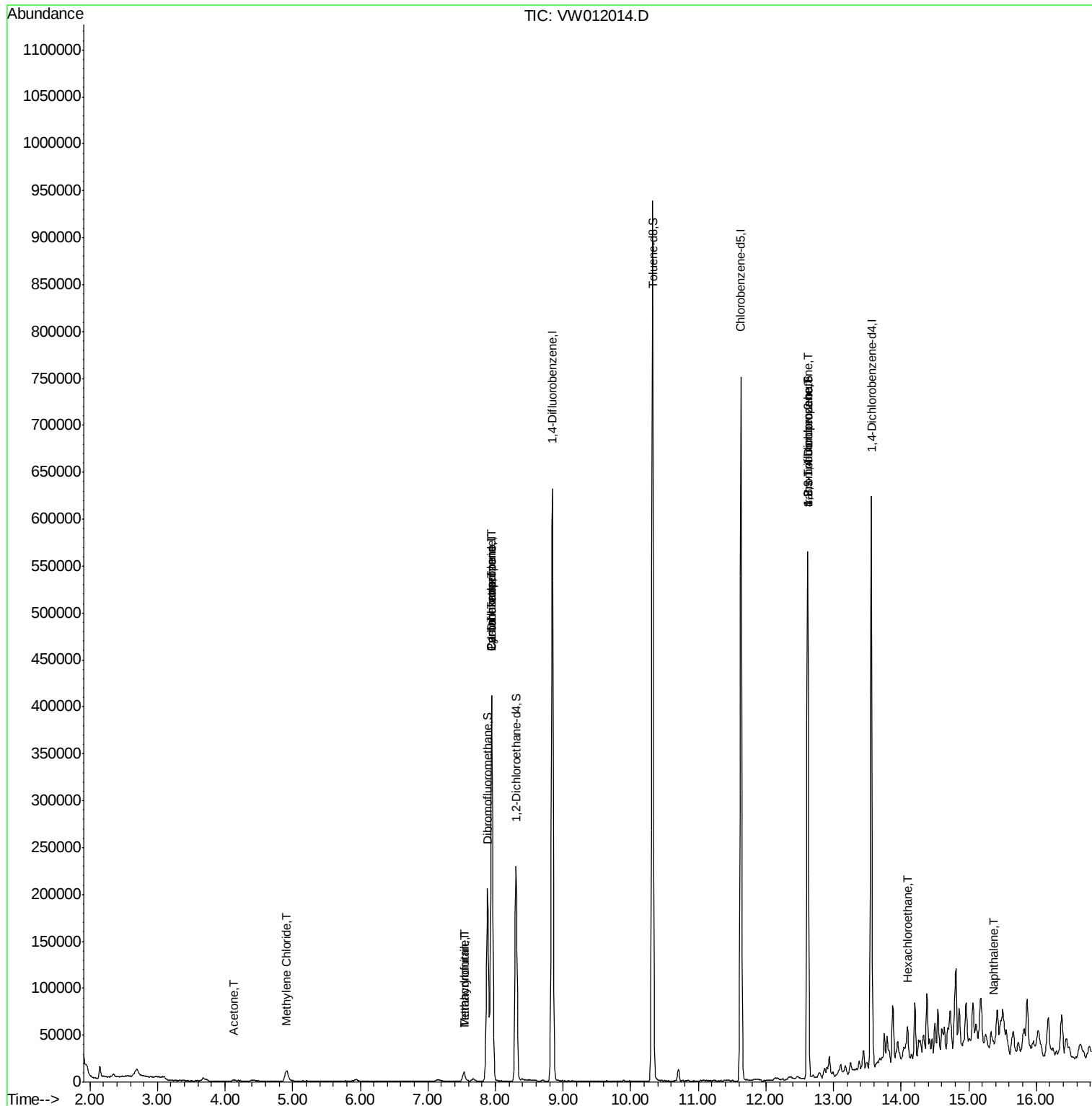
						Qvalue
11) Tert butyl alcohol	5.18	59	161	Below Cal	#	72
16) Acetone	4.14	43	3086	2.809	ug/l	96
20) Methylene Chloride	4.90	84	8497	2.243	ug/l	95
29) Tetrahydrofuran	7.54	42	8822	10.738	ug/l	98
31) Cyclohexane	7.94	56	7210	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24771	4.759	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29408	6.600	ug/l #	16
41) Methacrylonitrile	7.54	41	5416	3.026	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	96131	59.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96131	137.678	ug/l #	6
90) Hexachloroethane	14.10	117	1994	1.095	ug/l #	10
95) Naphthalene	15.36	128	572	2.157	ug/l #	69

(#) = 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: VW012014.D

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ClientSampleId :

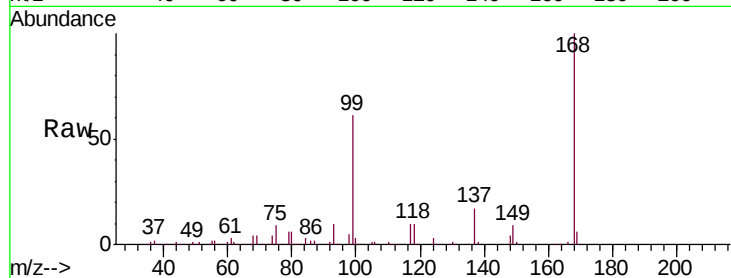
SU-03-081919

Tgt Ion:168 Resp: 300723

Ion Ratio Lower Upper

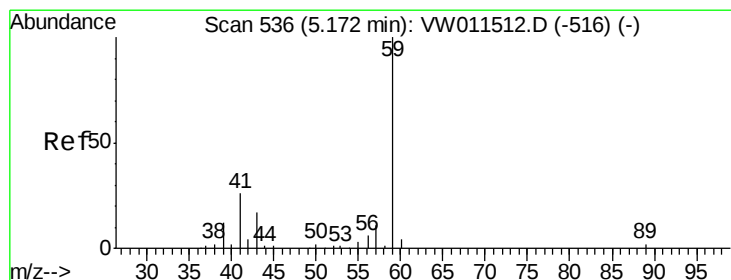
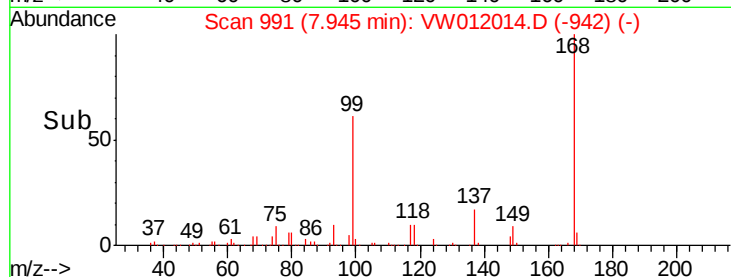
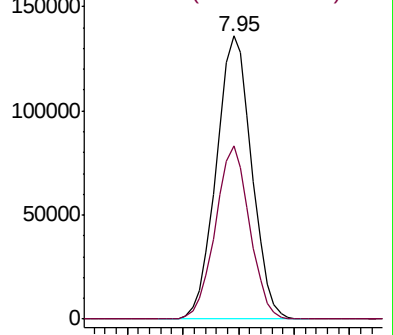
168 100

99 61.2 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: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012014.D

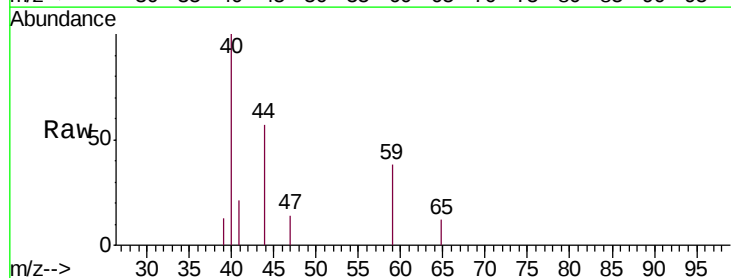
Acq: 20 Aug 2019 02:05

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

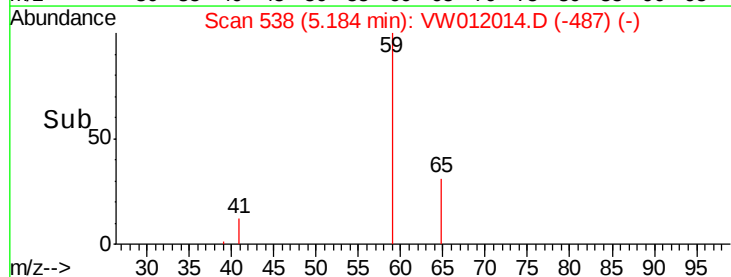
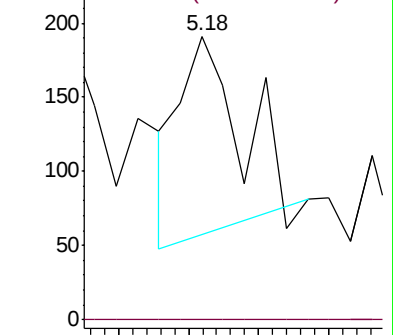
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.809 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012014.D

Acq: 20 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

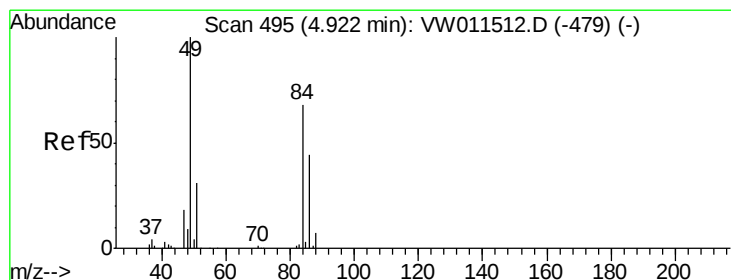
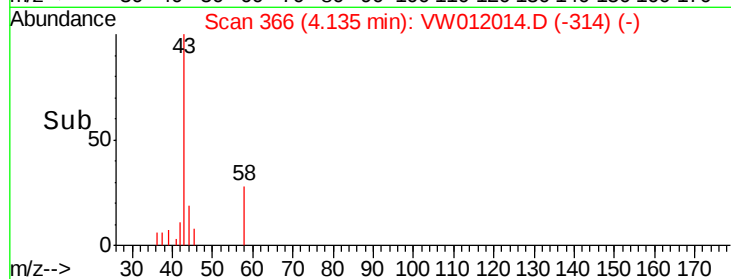
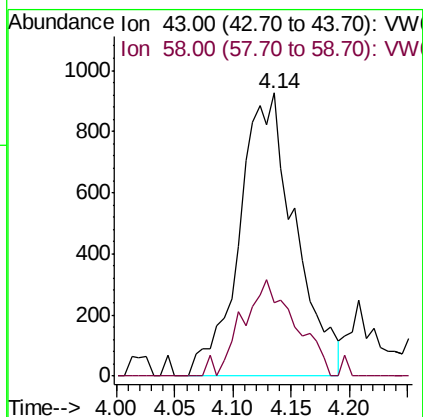
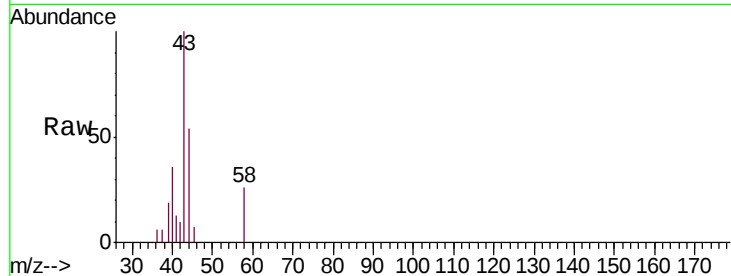
SU-03-081919

Tgt Ion: 43 Resp: 3086

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5



#20

Methylene Chloride

Concen: 2.243 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012014.D

Acq: 20 Aug 2019 02:05

Tgt Ion: 84 Resp: 8497

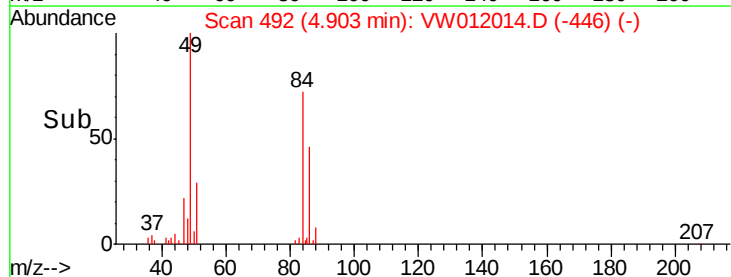
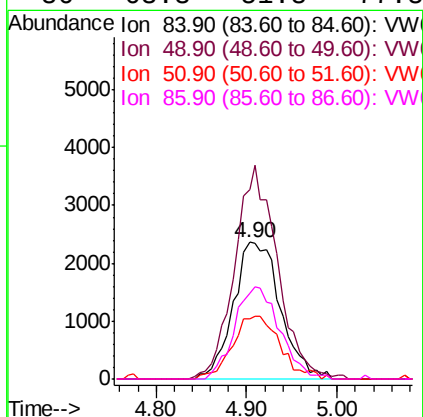
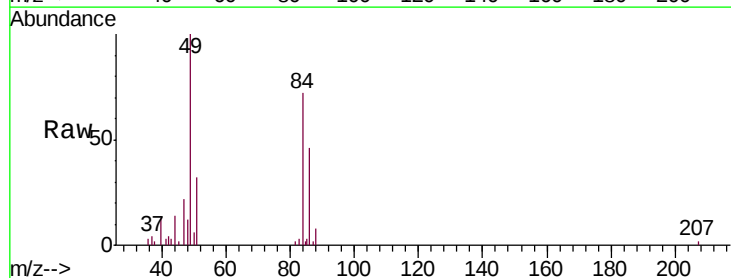
Ion Ratio Lower Upper

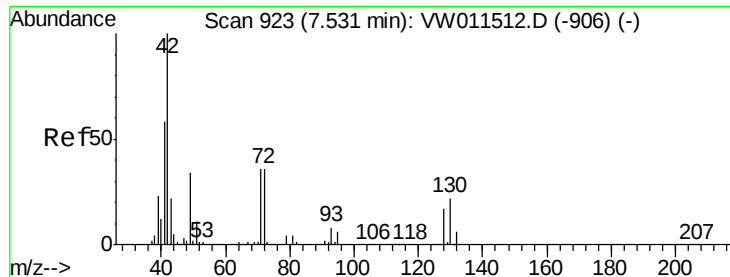
84 100

49 139.0 117.8 176.6

51 43.8 37.0 55.4

86 63.3 51.8 77.8

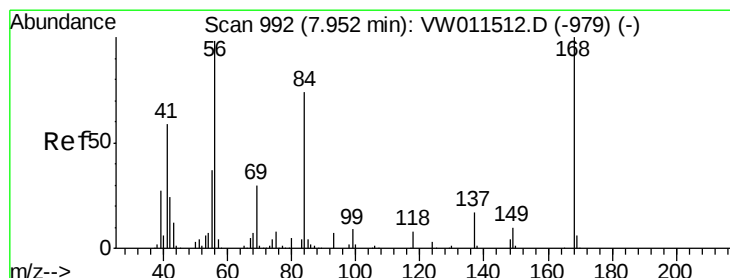
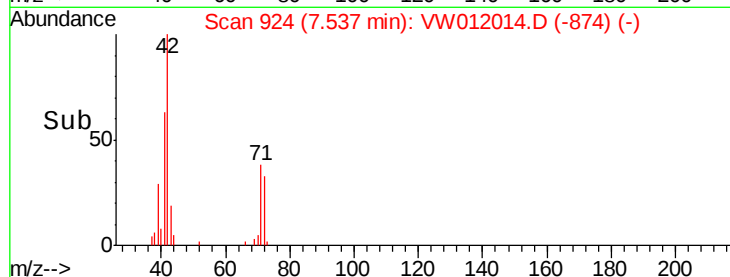
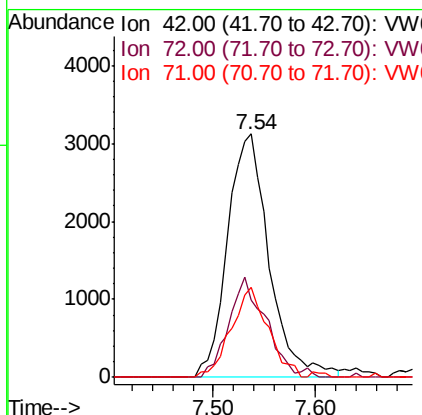
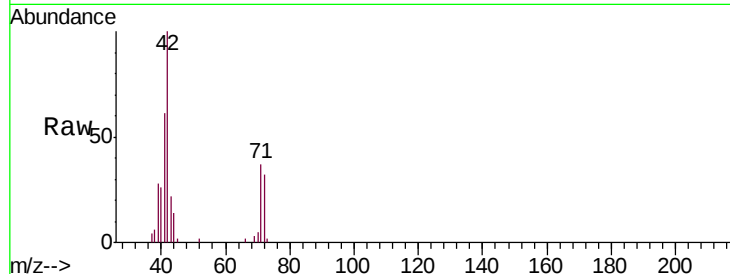




#29
Tetrahydrofuran
Concen: 10.738 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

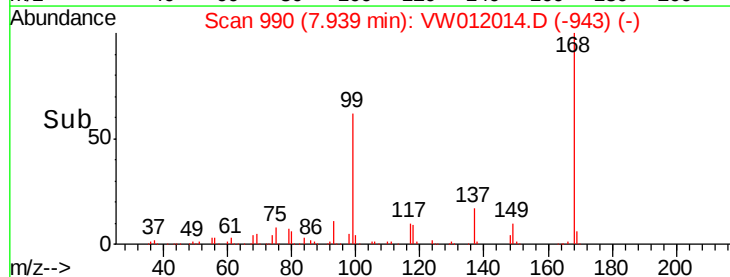
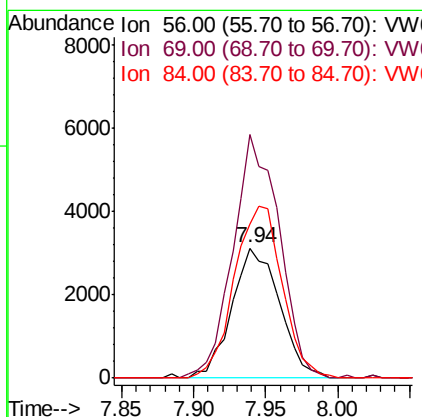
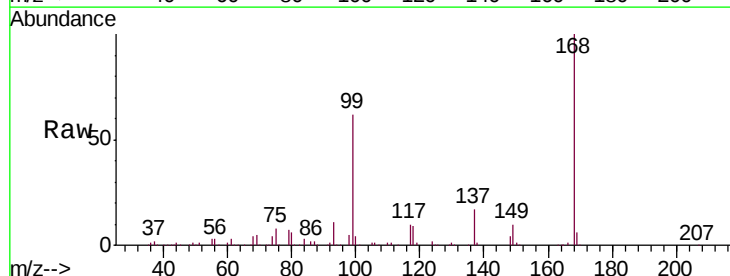
Instrument :
MSVOA_W
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SU-03-081919

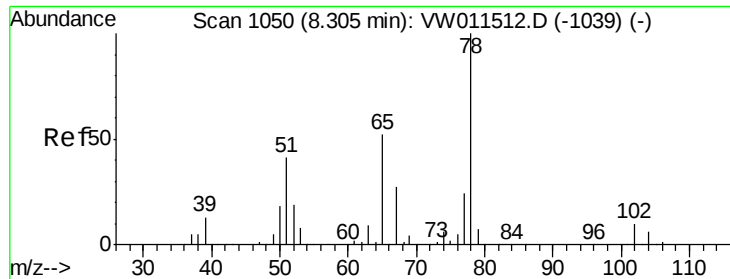
Tgt Ion: 42 Resp: 8822
Ion Ratio Lower Upper
42 100
72 36.6 27.1 40.7
71 32.8 26.2 39.4



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

Tgt Ion: 56 Resp: 7210
Ion Ratio Lower Upper
56 100
69 187.7 24.3 36.5#
84 119.0 60.4 90.6#

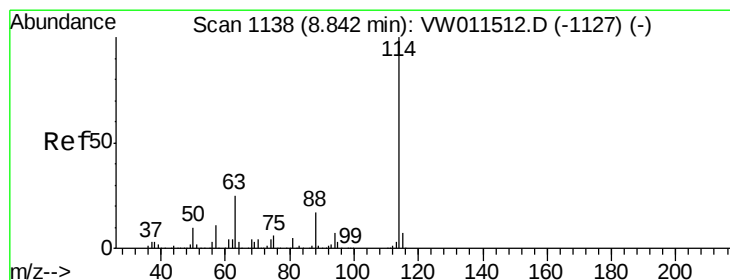
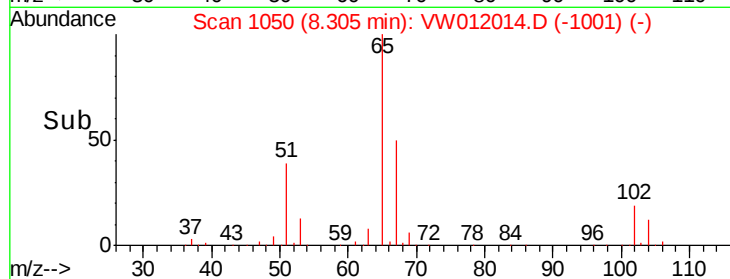
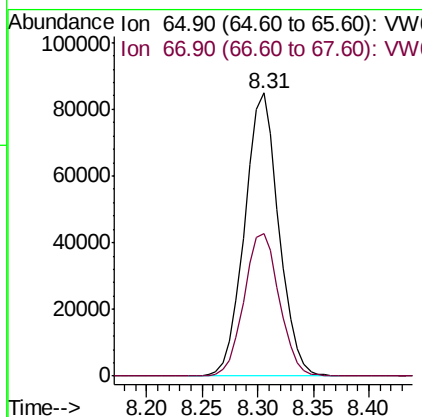
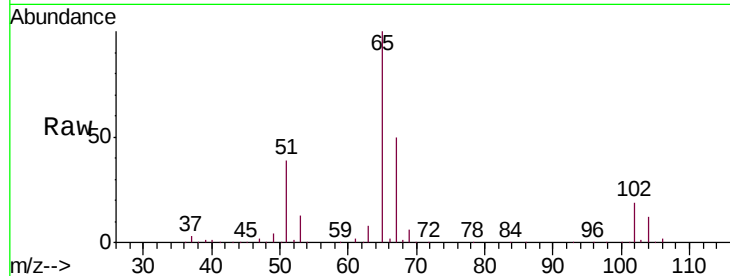




#33
 1,2-Dichloroethane-d4
 Concen: 52.463 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

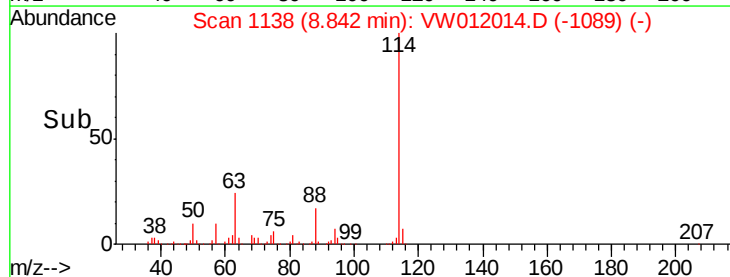
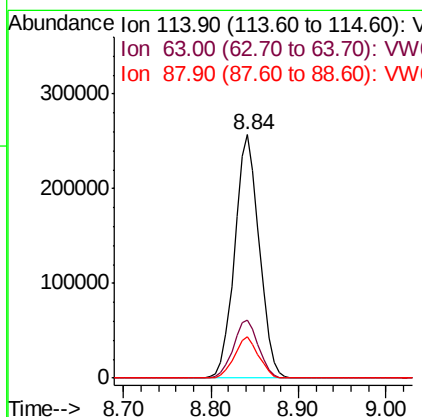
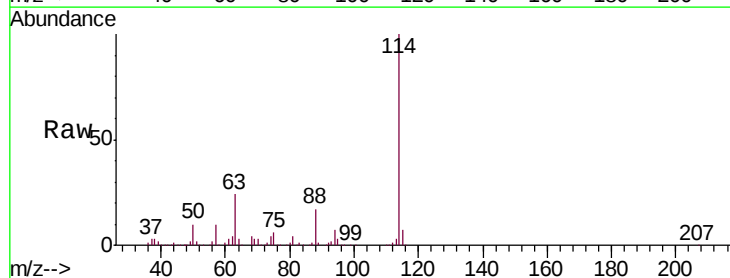
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-081919

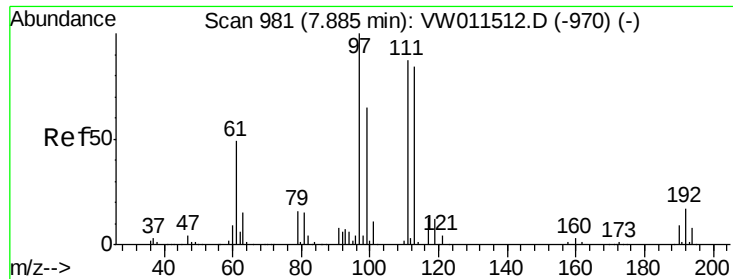
Tgt Ion: 65 Resp: 181162
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

Tgt Ion: 114 Resp: 500558
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.0 0.0 33.8

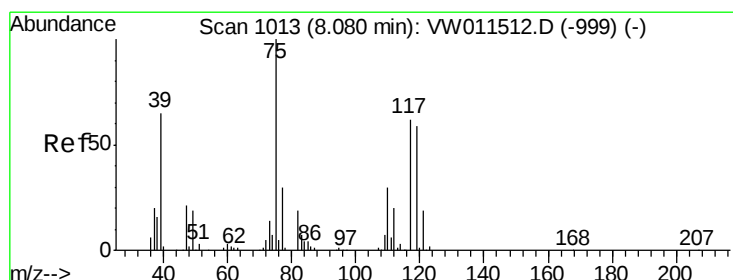
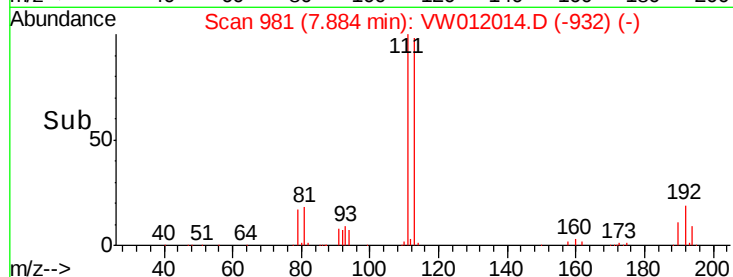
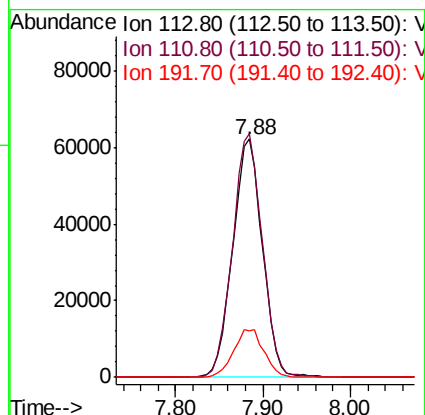
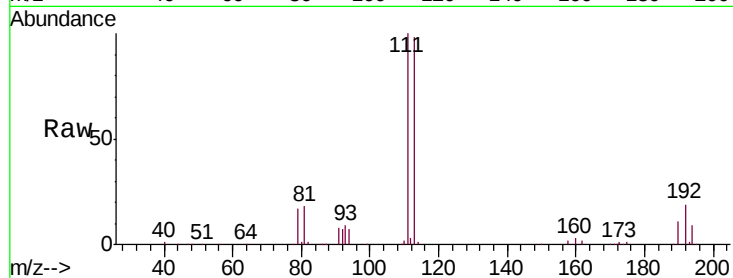




#35
 Dibromofluoromethane
 Concen: 52.284 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

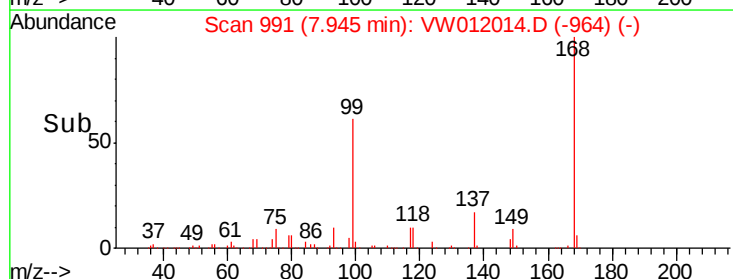
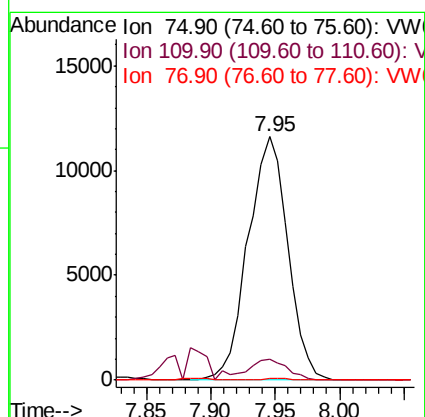
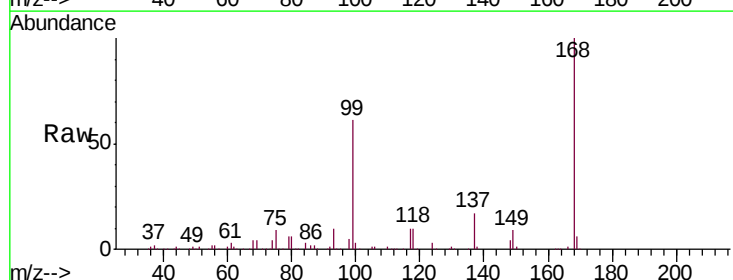
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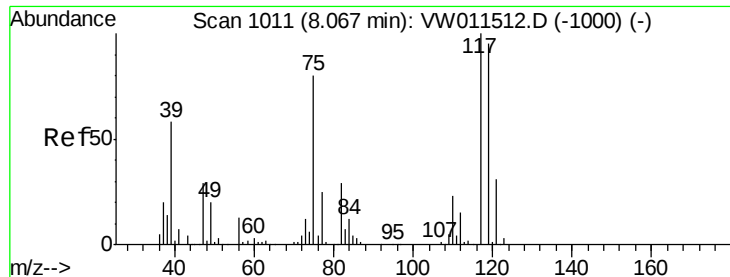
Tgt Ion:113 Resp: 146824
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 20.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

Tgt Ion: 75 Resp: 24771
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.3 24.3 36.5#

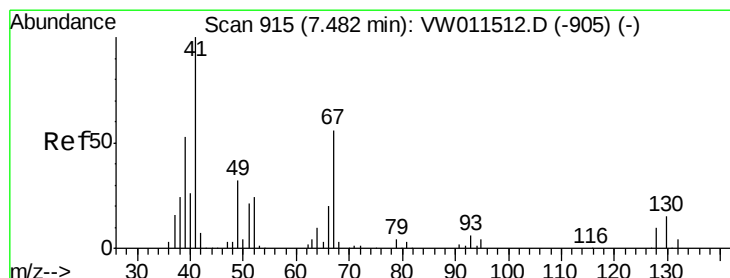
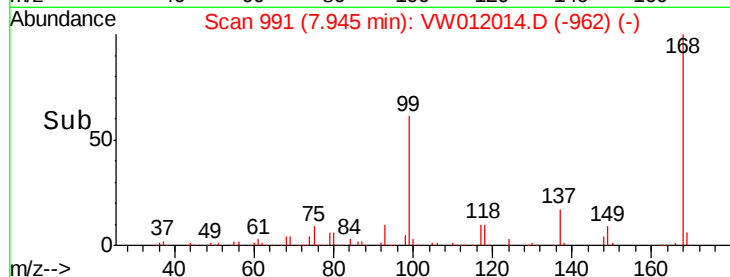
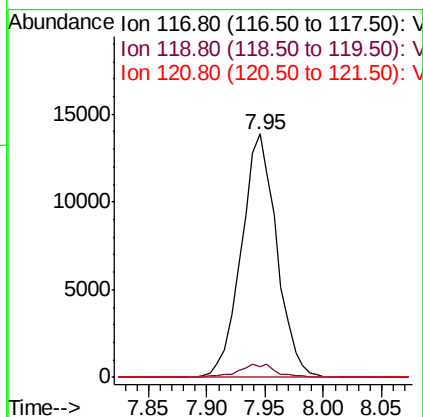
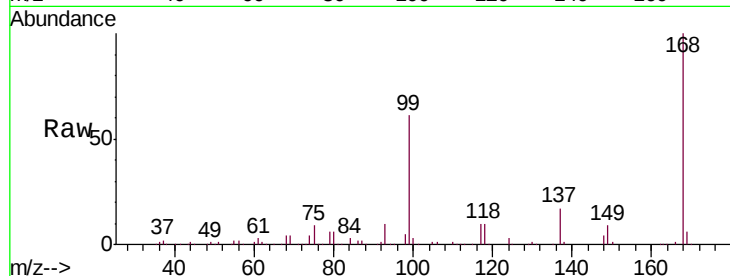




#38
Carbon Tetrachloride
Concen: 6.600 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

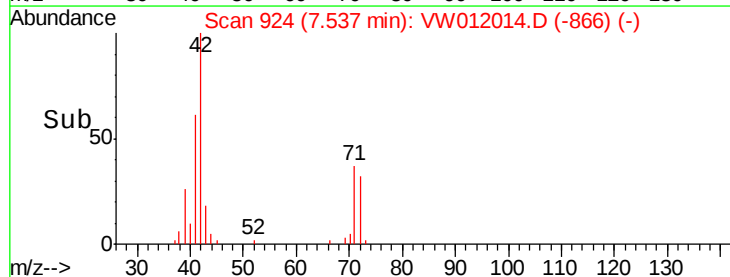
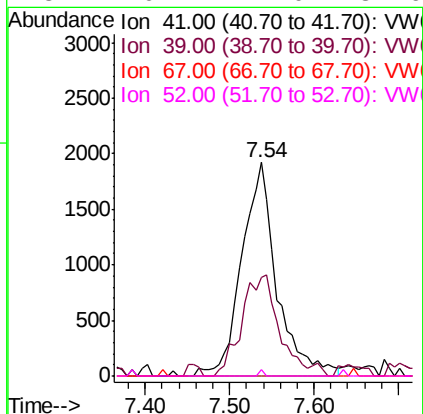
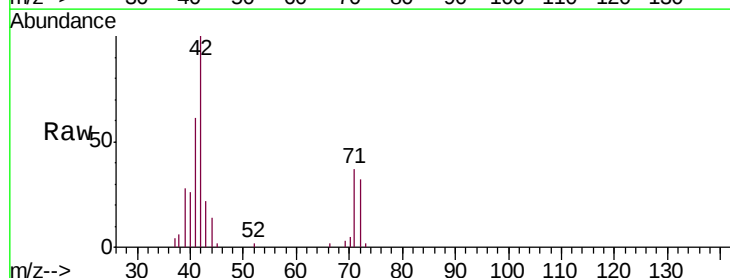
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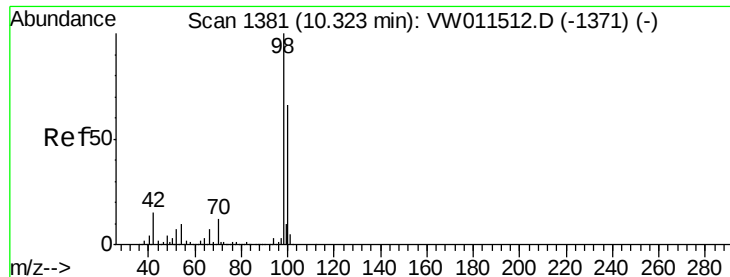
Tgt Ion: 117 Resp: 29408
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 3.026 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

Tgt Ion: 41 Resp: 5416
Ion Ratio Lower Upper
41 100
39 49.6 43.0 64.4
67 0.0 47.5 71.3#
52 0.4 21.0 31.6#

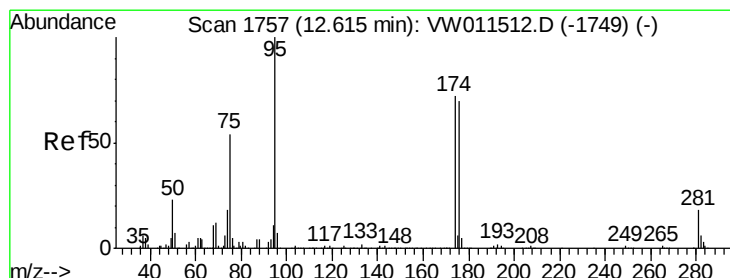
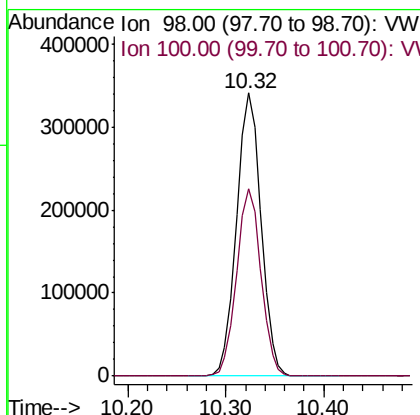
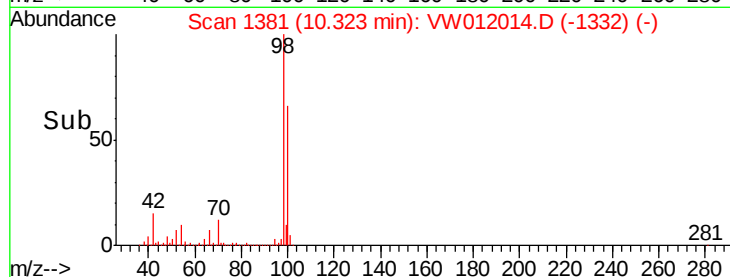
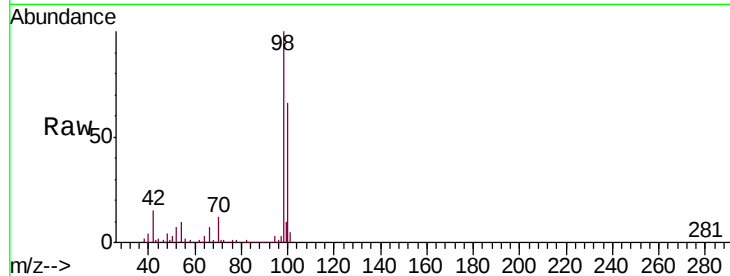




#50
Toluene-d8
Concen: 51.728 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

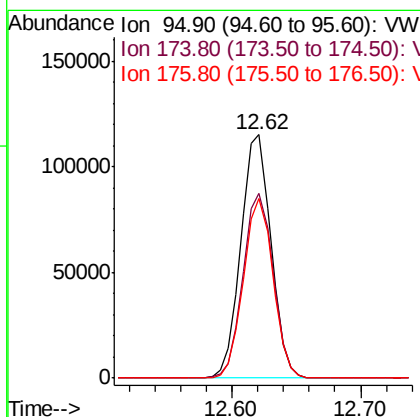
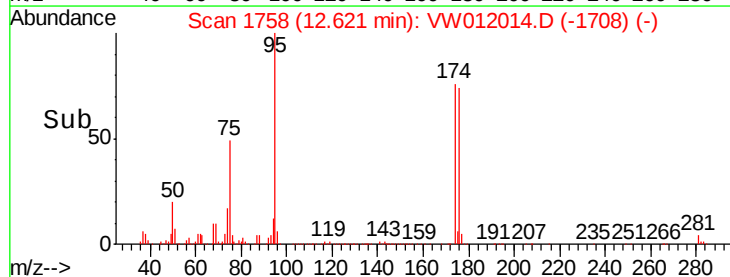
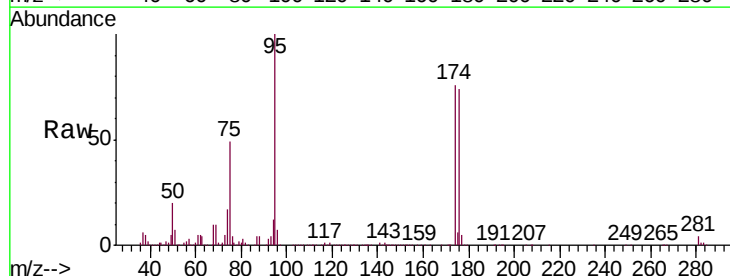
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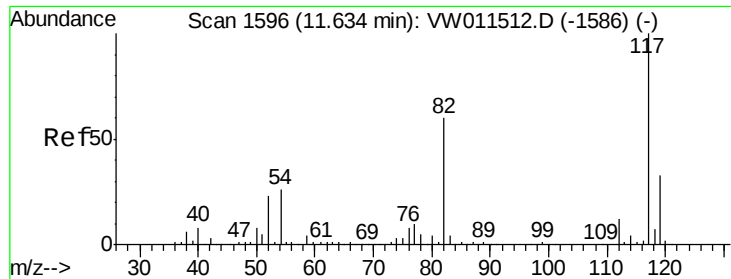
Tgt Ion: 98 Resp: 594748
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.224 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

Tgt Ion: 95 Resp: 185382
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.2
176 73.0 0.0 144.4

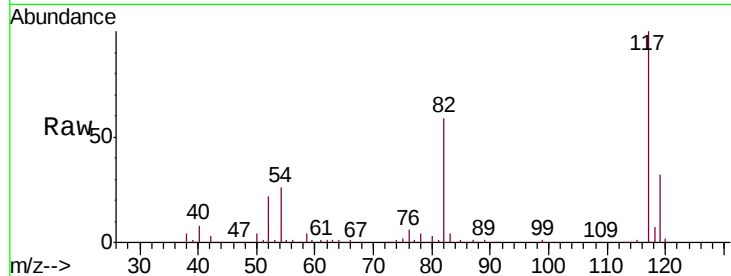




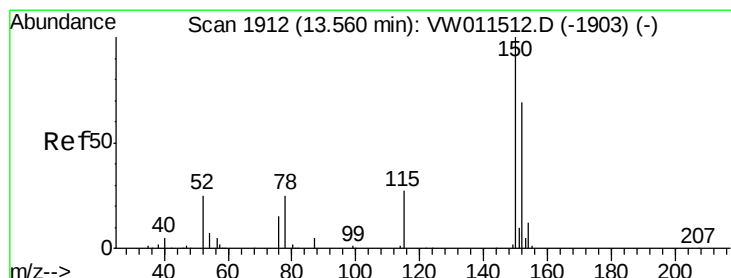
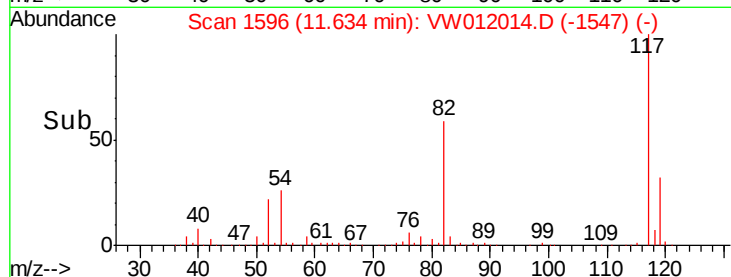
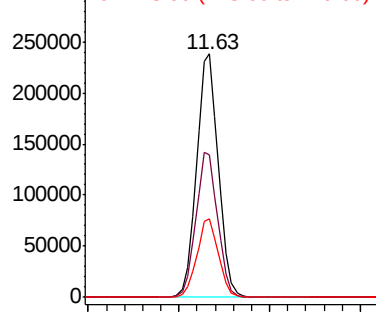
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

Instrument :
MSVOA_W
ClientSampleId :
SU-03-081919

Tgt Ion:117 Resp: 399254
Ion Ratio Lower Upper
117 100
82 58.5 47.9 71.9
119 32.0 26.2 39.2

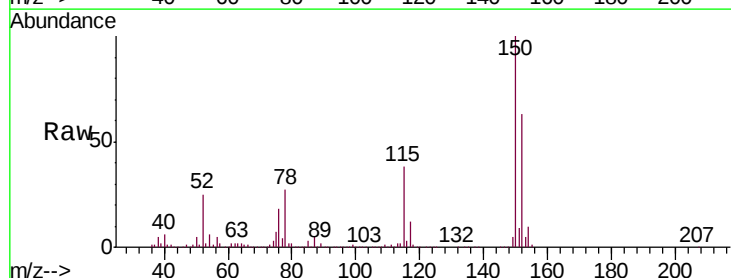


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

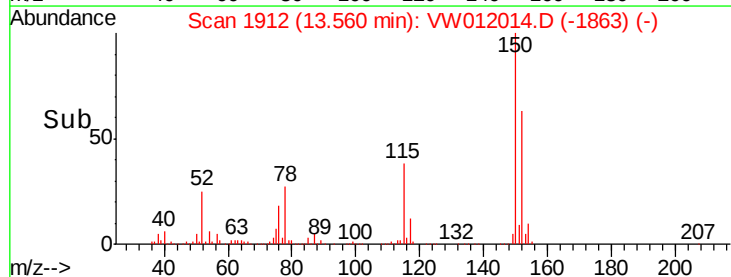
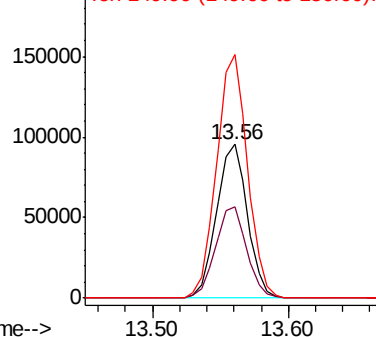


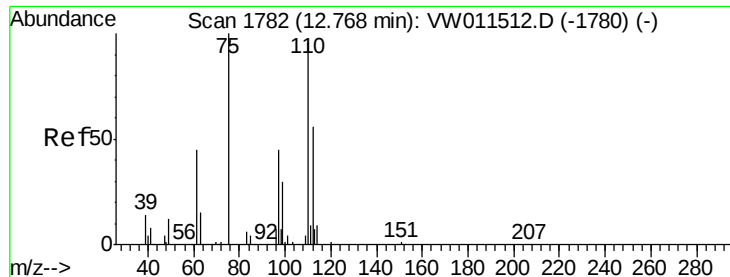
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012014.D
Acq: 20 Aug 2019 02:05

Tgt Ion:152 Resp: 152080
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 158.0 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

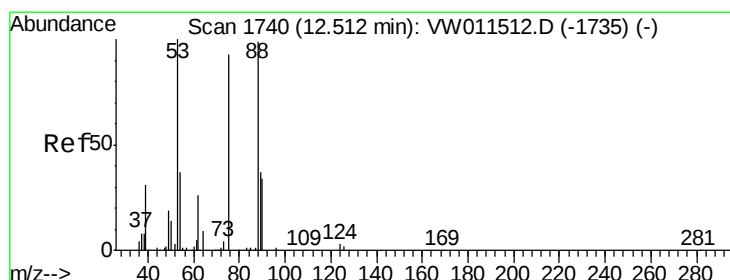
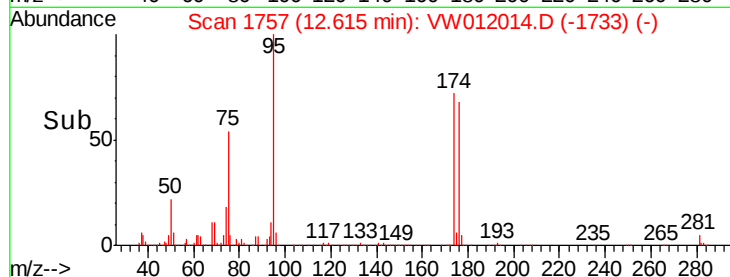
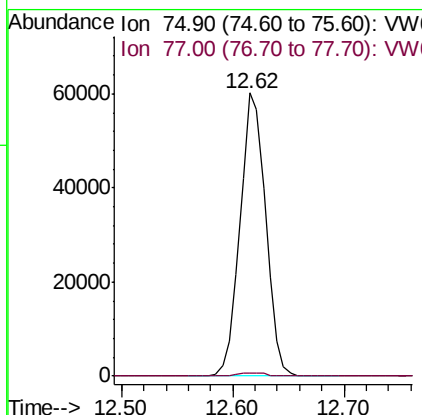
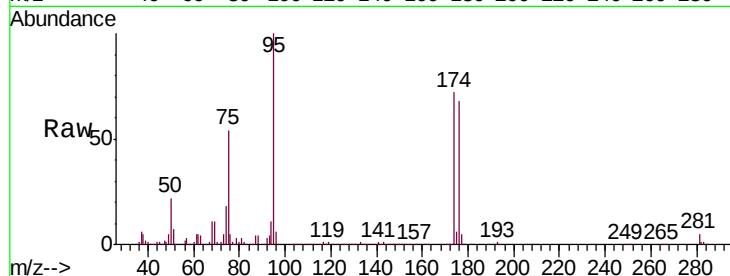




#76
 1,2,3-Trichloropropane
 Concen: 59.739 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

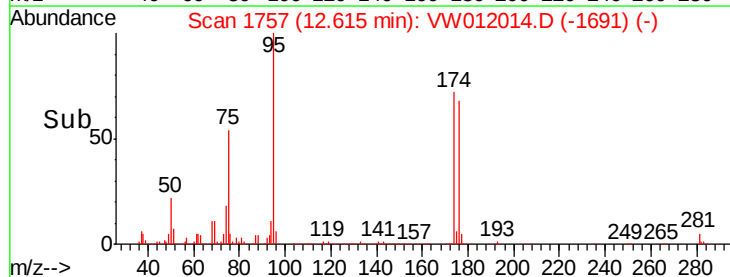
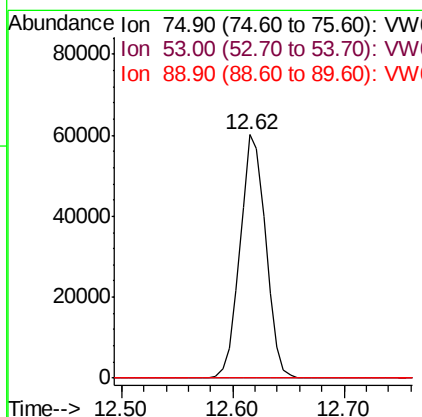
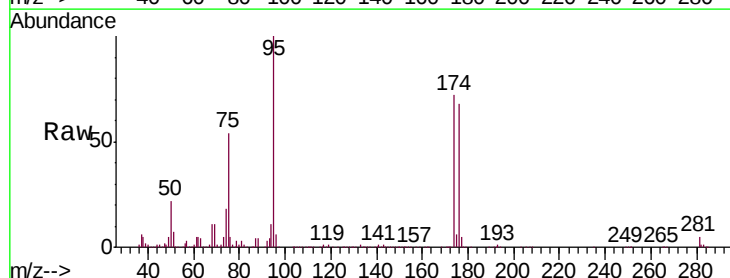
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-081919

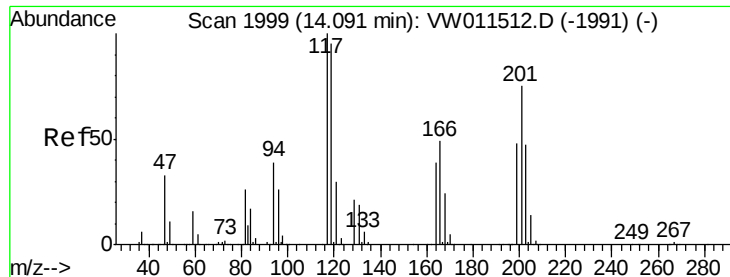
Tgt Ion: 75 Resp: 96131
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.678 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012014.D
 Acq: 20 Aug 2019 02:05

Tgt Ion: 75 Resp: 96131
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.1 35.3 52.9#





#90

Hexachloroethane

Concen: 1.095 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012014.D

Acq: 20 Aug 2019 02:05

Instrument :

MSVOA_W

ClientSampleId :

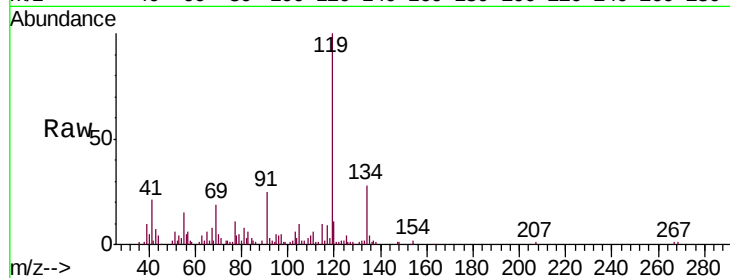
SU-03-081919

Tgt Ion:117 Resp: 1994

Ion Ratio Lower Upper

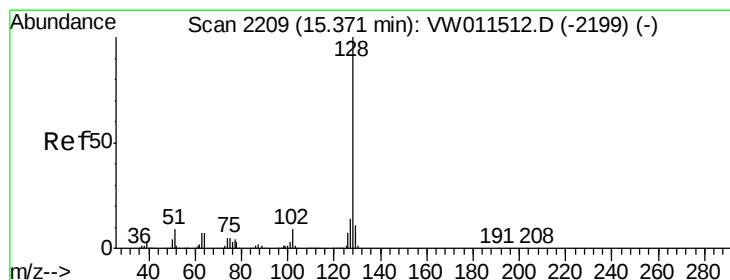
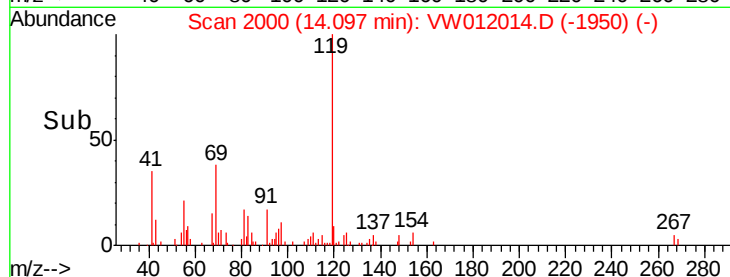
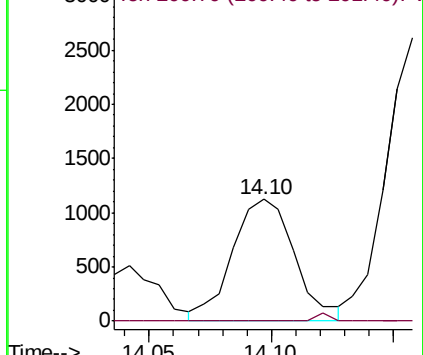
117 100

201 0.0 39.4 118.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.157 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012014.D

Acq: 20 Aug 2019 02:05

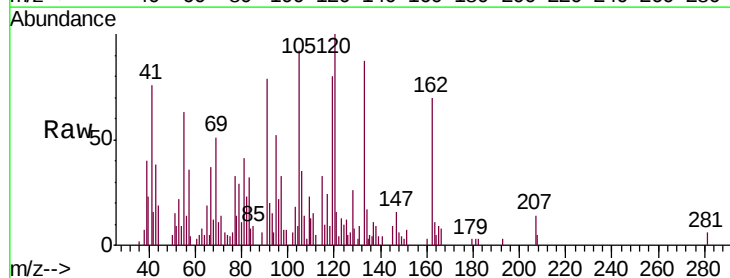
Tgt Ion:128 Resp: 572

Ion Ratio Lower Upper

128 100

127 0.0 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

