

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012216.D
 Acq On : 27 Aug 2019 16:52
 Operator : SY/VA
 Sample : K4551-17
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619

Quant Time: Aug 28 04:58:02 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	247014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145424	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	152350	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
35) Dibromofluoromethane	7.88	113	122514	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.32	98	507361	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.62	95	171253	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	

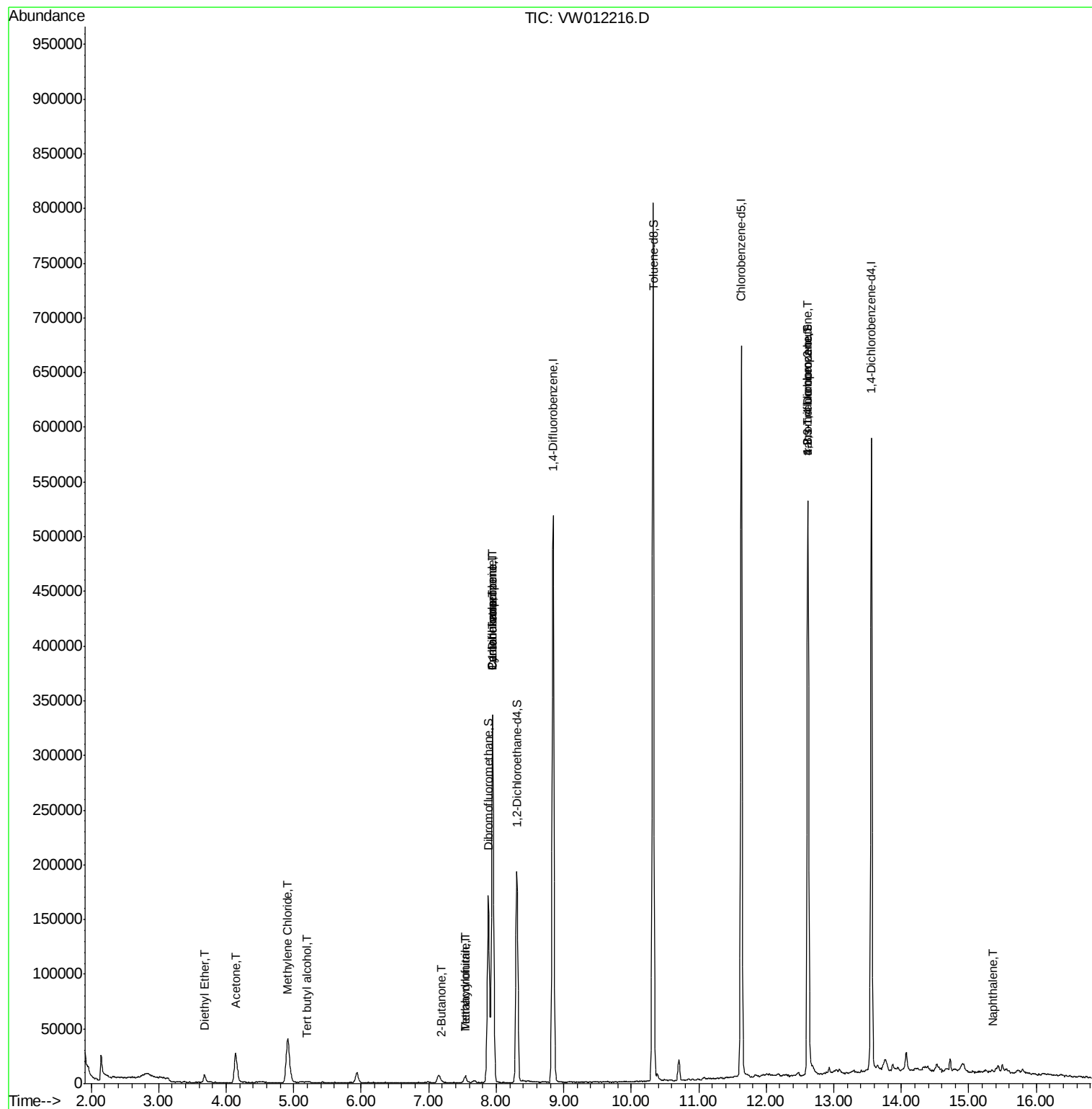
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3141	2.285	ug/l	65
11) Tert butyl alcohol	5.18	59	259	1.466	ug/l #	94
16) Acetone	4.14	43	56416	75.161	ug/l	99
20) Methylene Chloride	4.92	84	31445	11.082	ug/l	98
25) 2-Butanone	7.20	43	1238	1.214	ug/l	94
29) Tetrahydrofuran	7.54	42	5881	9.610	ug/l	99
31) Cyclohexane	7.94	56	5763	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20922	4.911	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24720	6.704	ug/l #	16
41) Methacrylonitrile	7.54	41	3426	2.497	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	88646	62.589	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88646	137.228	ug/l #	6
95) Naphthalene	15.36	128	116	4.340	ug/l #	1

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

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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: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

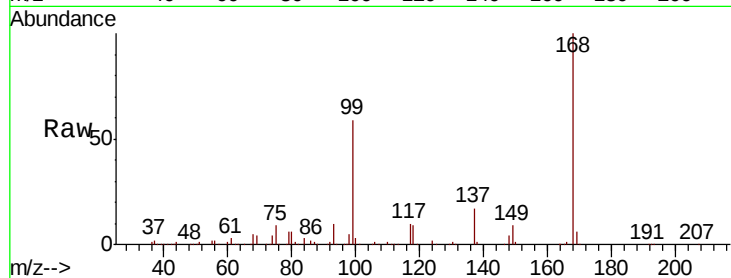
S402-K1-1.0-1.5-082619

Tgt Ion:168 Resp: 247014

Ion Ratio Lower Upper

168 100

99 58.8 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

120000

100000

80000

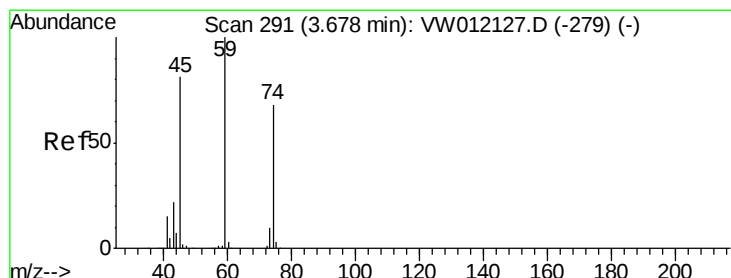
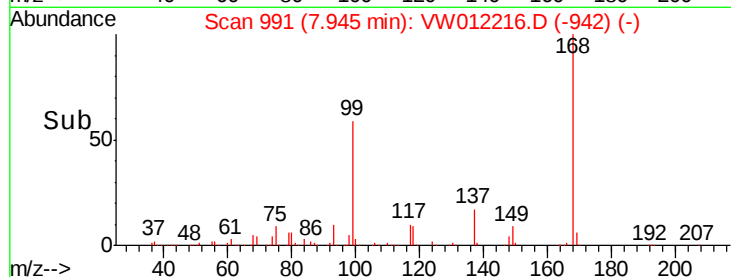
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.285 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012216.D

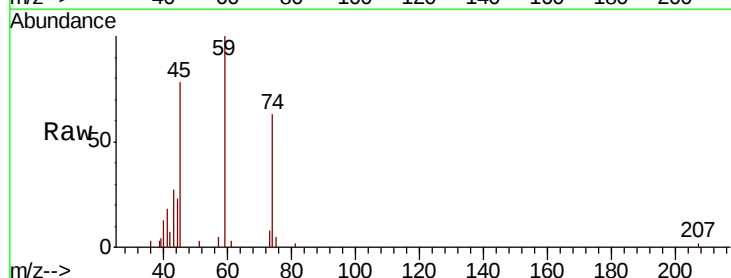
Acq: 27 Aug 2019 16:52

Tgt Ion: 74 Resp: 3141

Ion Ratio Lower Upper

74 100

45 157.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

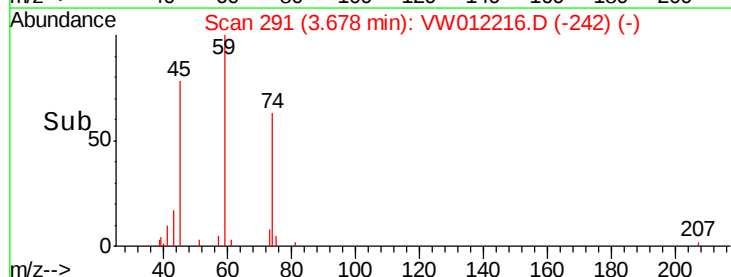
1500

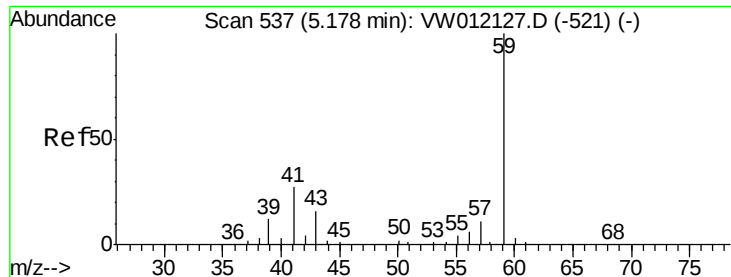
1000

500

0

Time--> 3.60 3.65 3.70 3.75

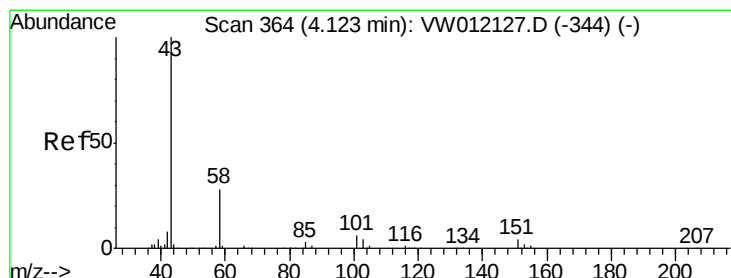
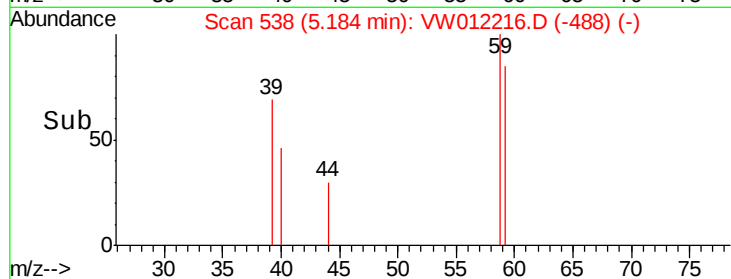
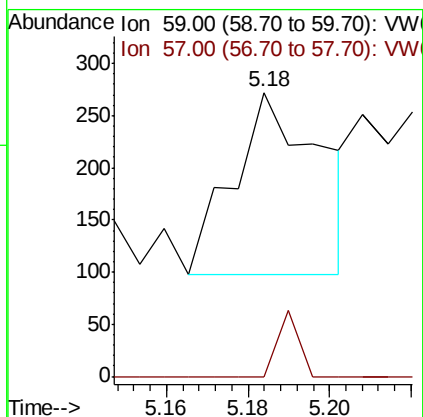
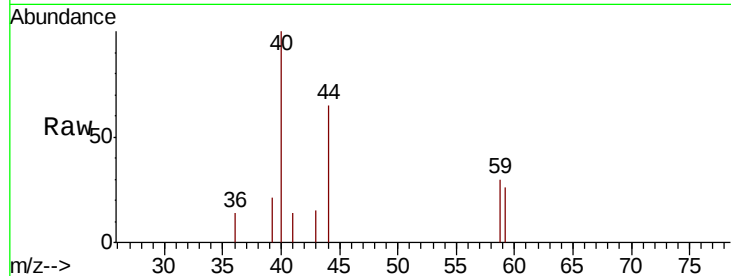




#11
Tert butyl alcohol
Concen: 1.466 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

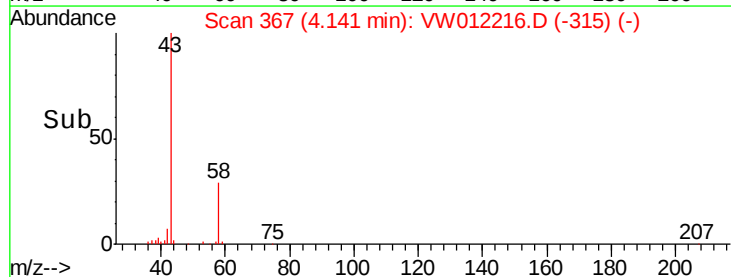
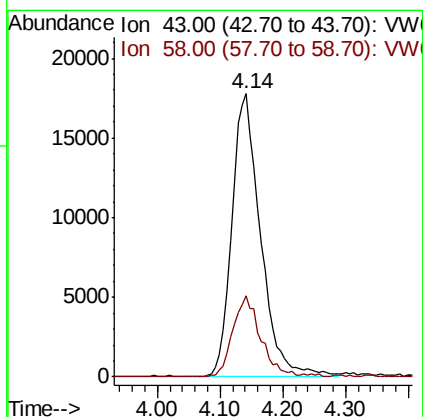
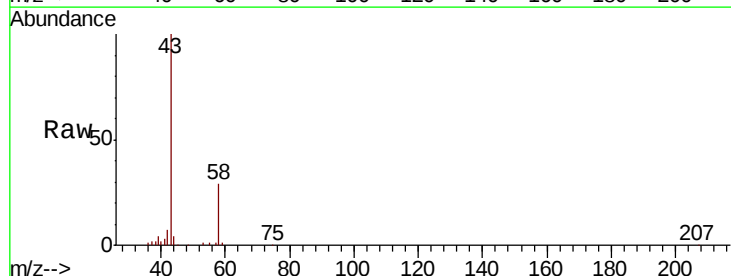
Instrument :
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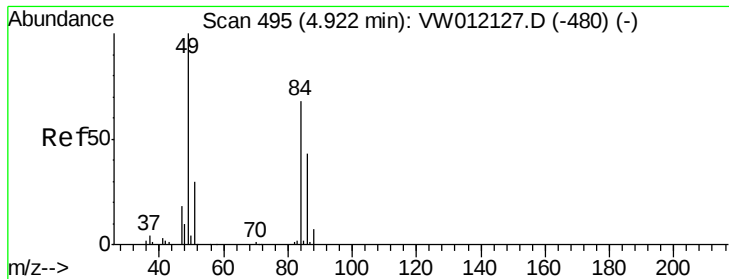
Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 8.9 9.0 13.4#



#16
Acetone
Concen: 75.161 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

Tgt Ion: 43 Resp: 56416
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6





#20

Methylene Chloride

Concen: 11.082 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619

Tgt Ion: 84 Resp: 31445

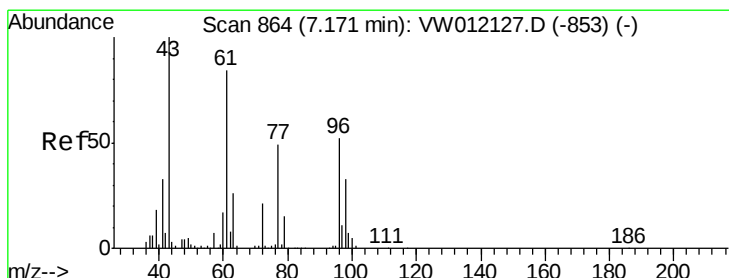
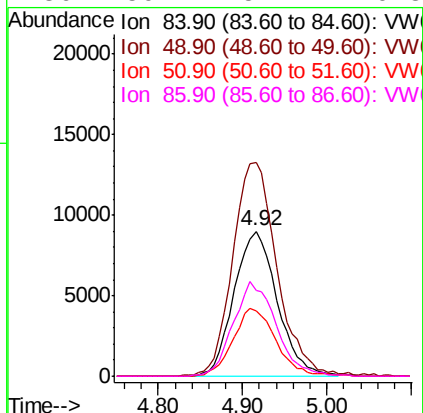
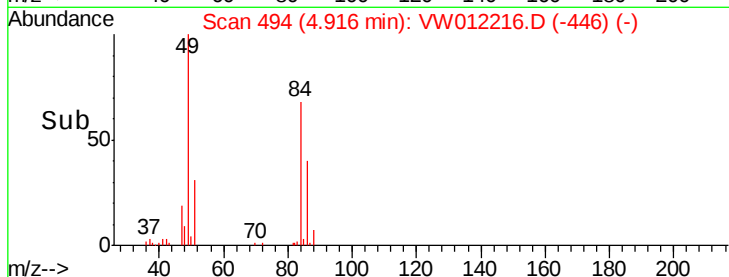
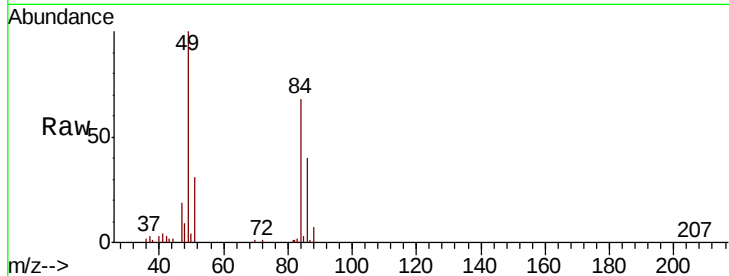
Ion Ratio Lower Upper

84 100

49 147.0 117.8 176.8

51 45.5 35.6 53.4

86 59.4 51.2 76.8



#25

2-Butanone

Concen: 1.214 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW012216.D

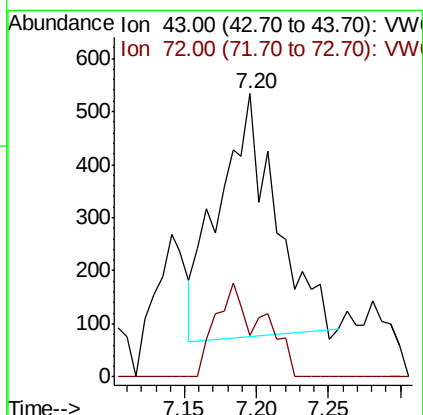
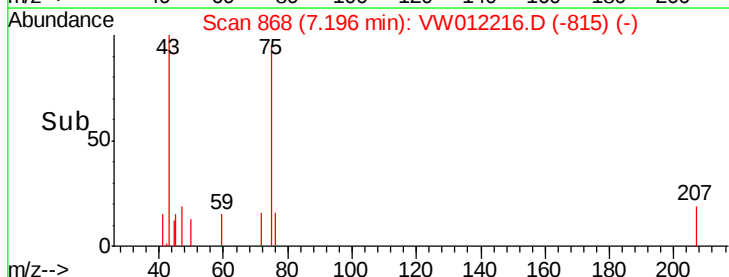
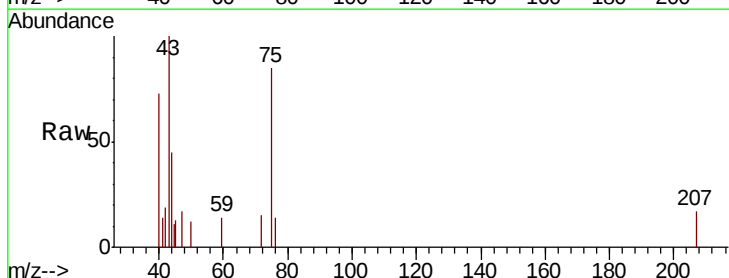
Acq: 27 Aug 2019 16:52

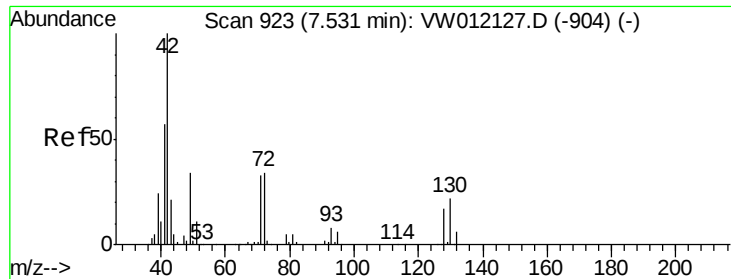
Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

72 17.9 16.6 24.8

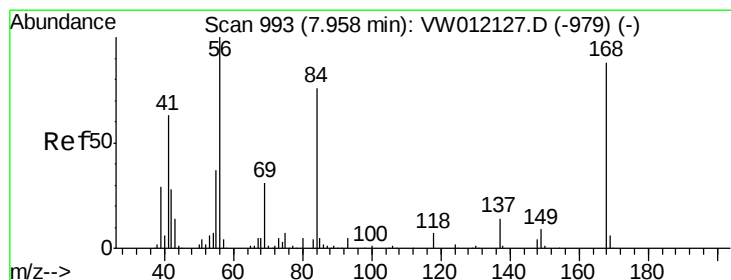
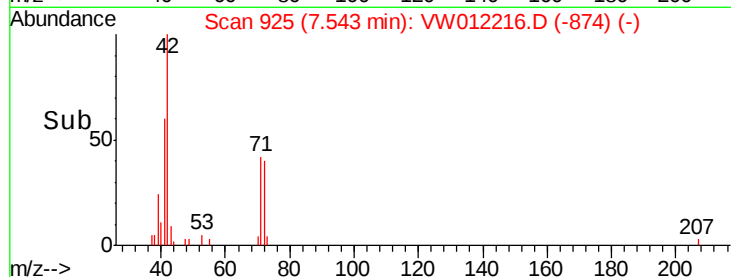
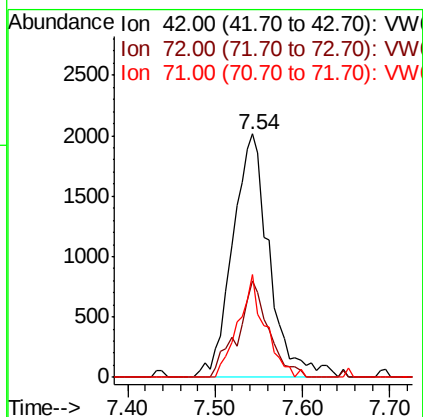
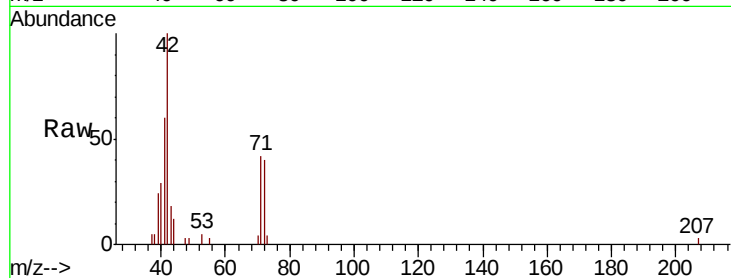




#29
Tetrahydrofuran
Concen: 9.610 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

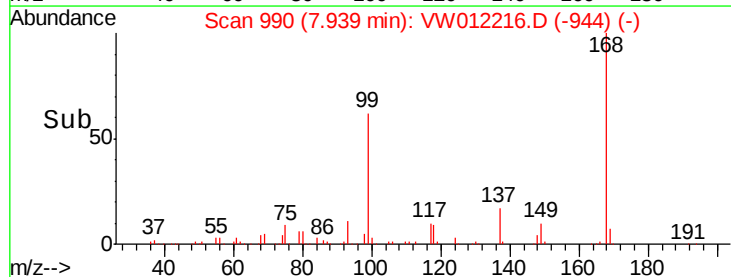
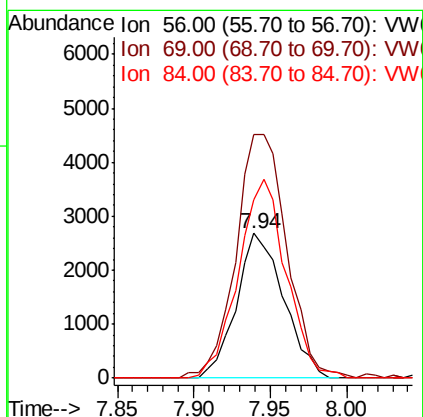
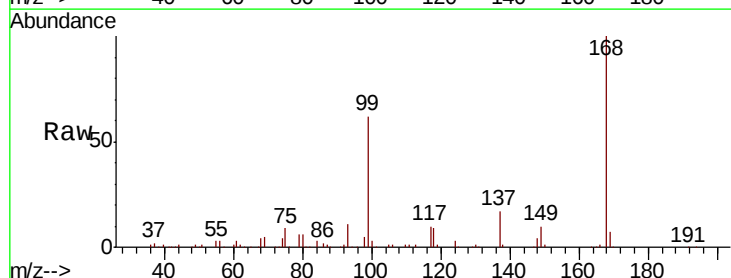
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619

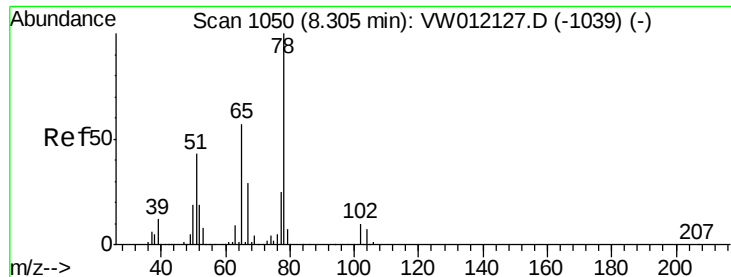
Tgt Ion: 42 Resp: 5881
Ion Ratio Lower Upper
42 100
72 33.6 27.3 40.9
71 31.0 25.5 38.3



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

Tgt Ion: 56 Resp: 5763
Ion Ratio Lower Upper
56 100
69 164.7 24.9 37.3#
84 123.4 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 51.883 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

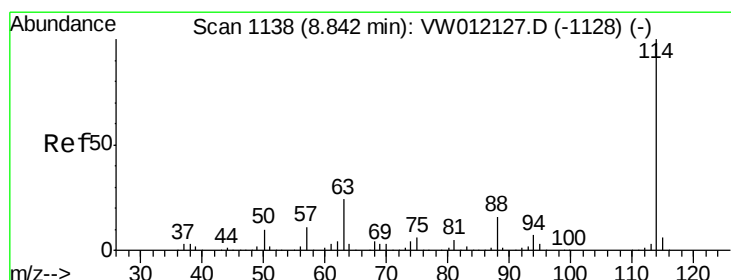
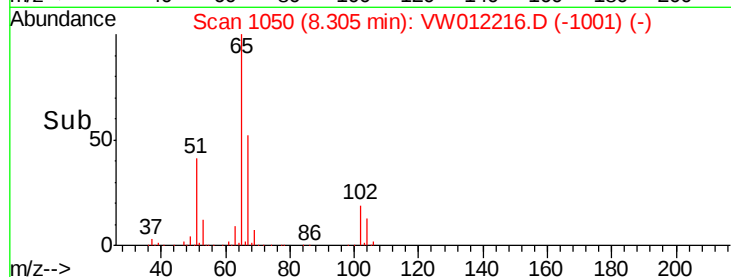
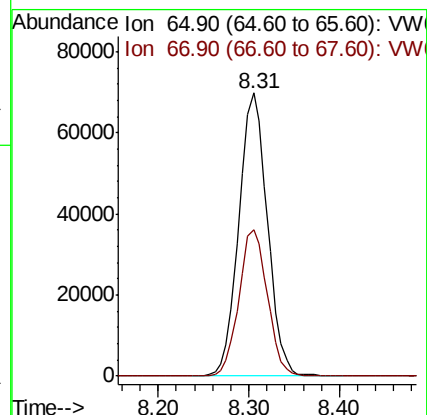
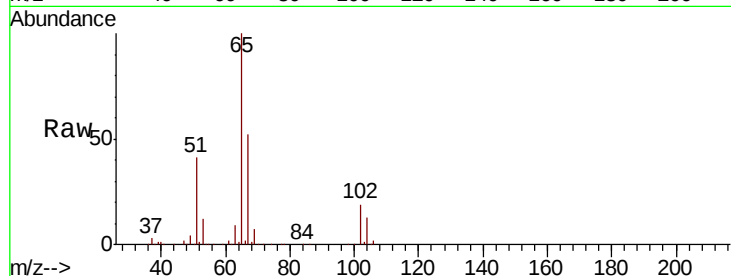
S402-K1-1.0-1.5-082619

Tgt Ion: 65 Resp: 152350

Ion Ratio Lower Upper

65 100

67 51.8 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: VW012216.D

Acq: 27 Aug 2019 16:52

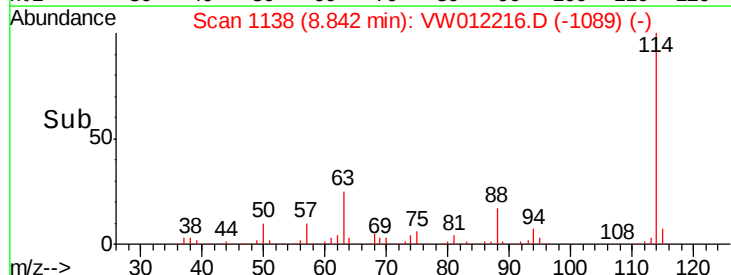
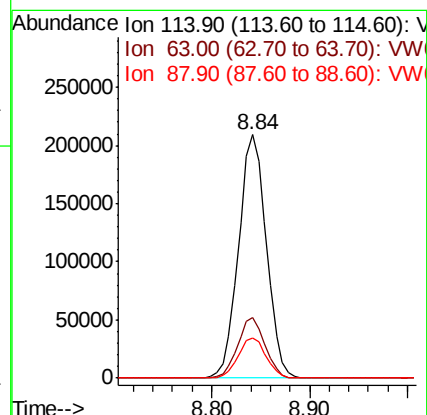
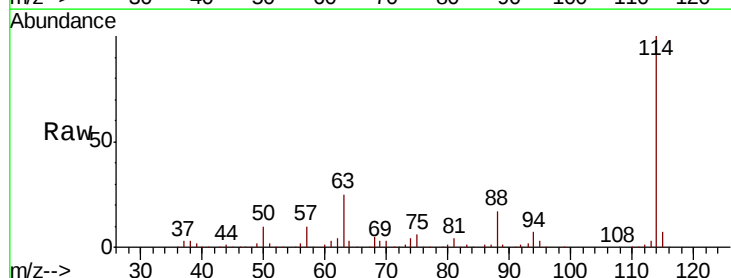
Tgt Ion: 114 Resp: 412266

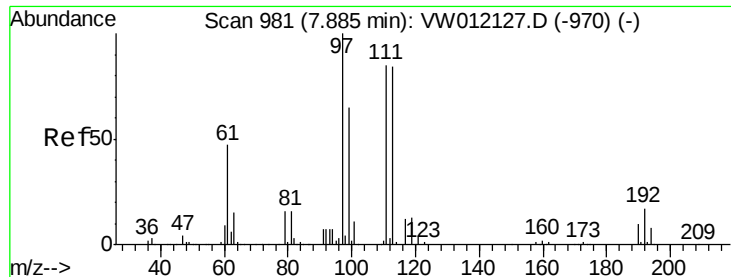
Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

88 16.6 0.0 32.2

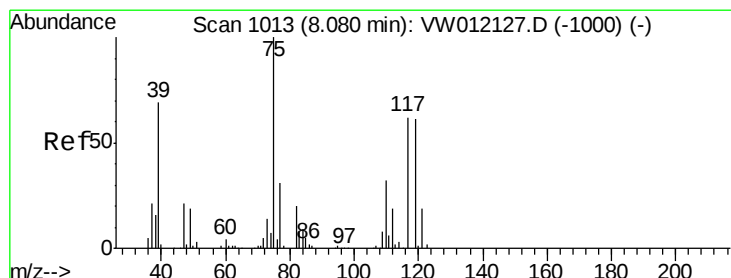
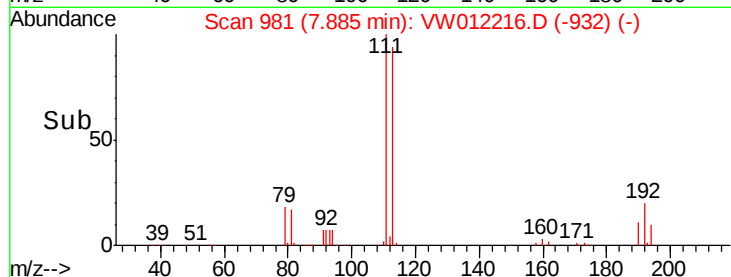
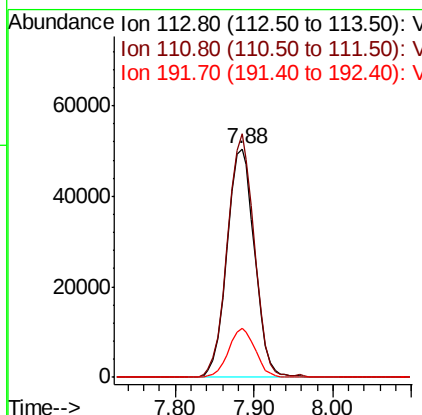
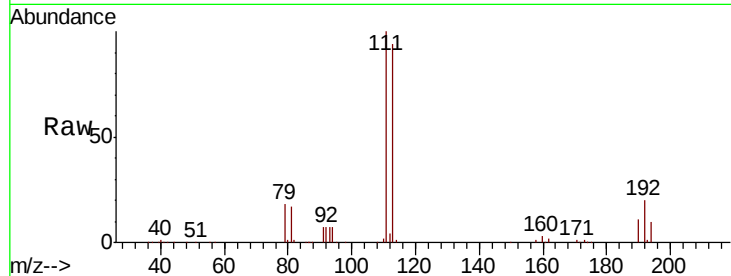




#35
 Dibromofluoromethane
 Concen: 49.786 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012216.D
 Acq: 27 Aug 2019 16:52

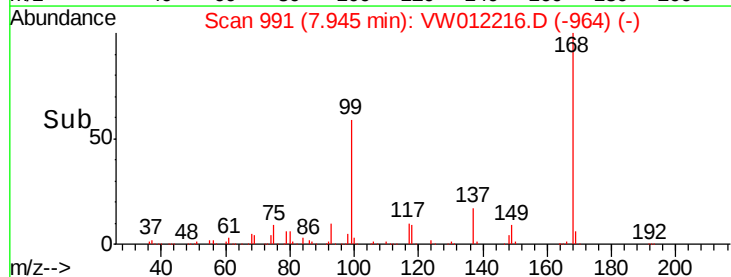
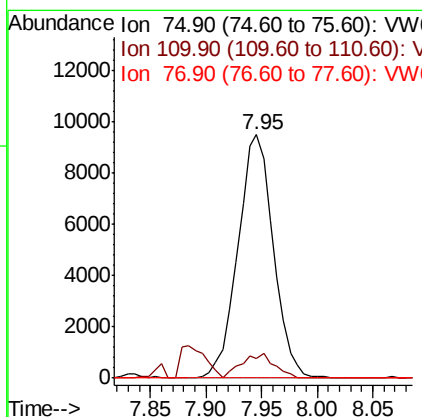
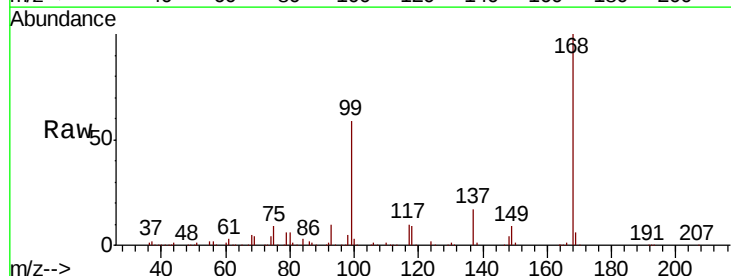
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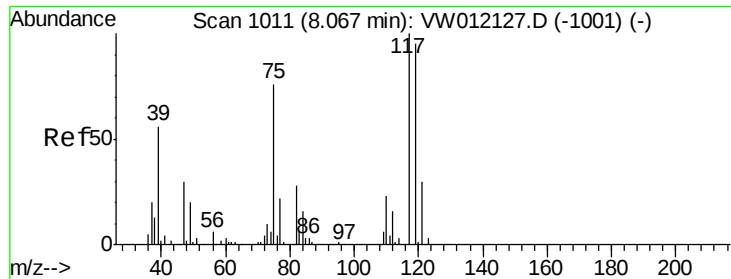
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012216.D
 Acq: 27 Aug 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.6	46.8#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619

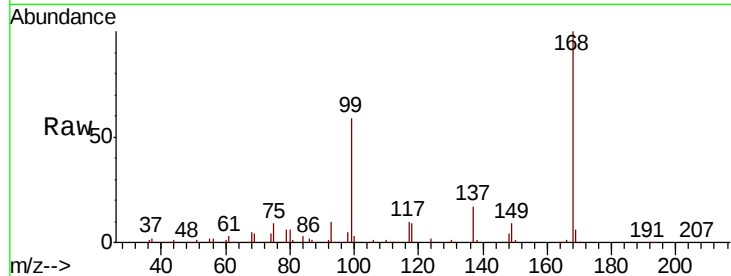
Tgt Ion:117 Resp: 24720

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

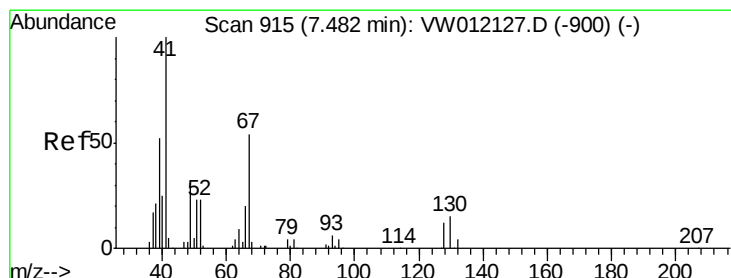
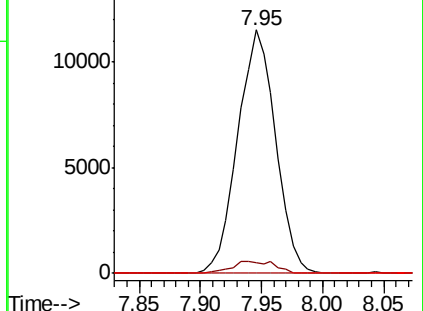
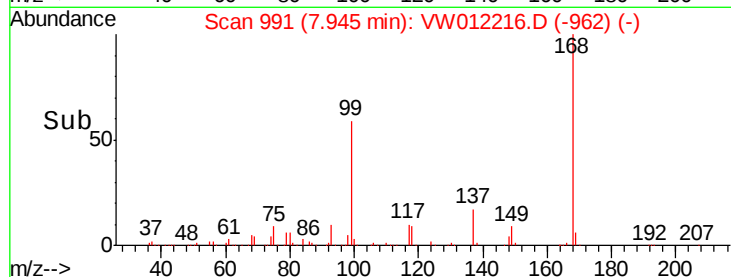
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.497 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Tgt Ion: 41 Resp: 3426

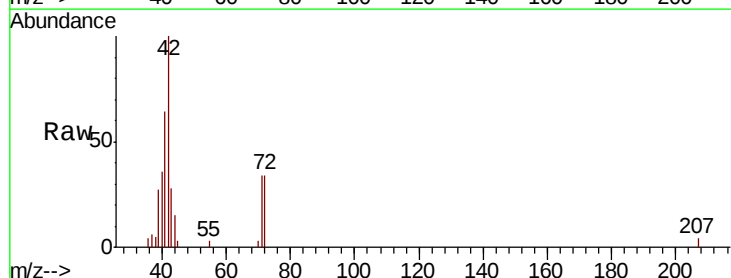
Ion Ratio Lower Upper

41 100

39 45.8 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

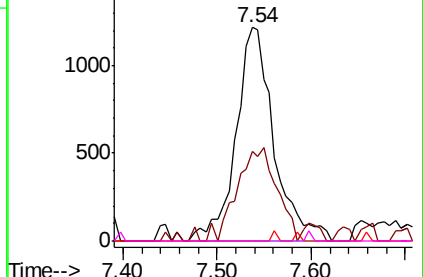
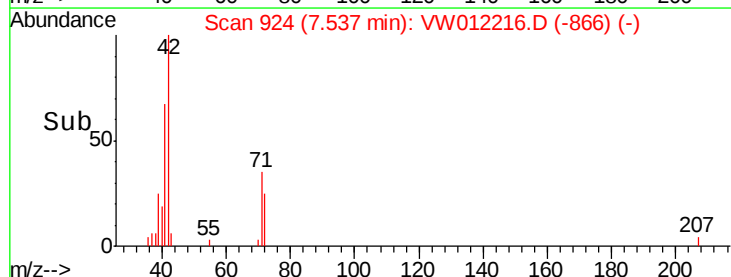


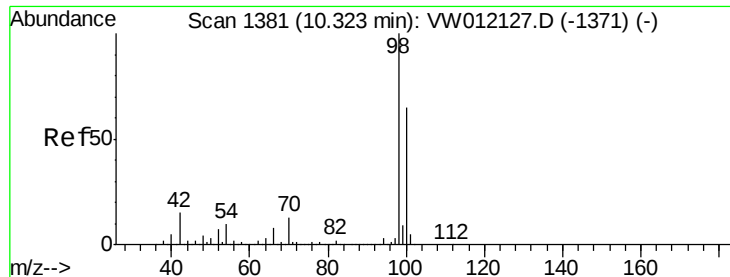
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.848 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

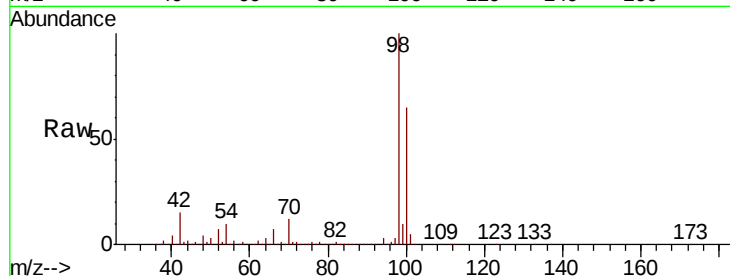
S402-K1-1.0-1.5-082619

Tgt Ion: 98 Resp: 507361

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

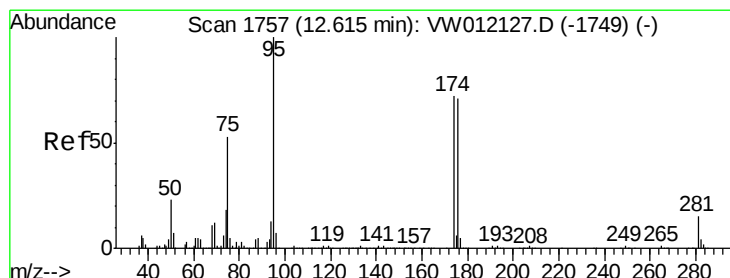
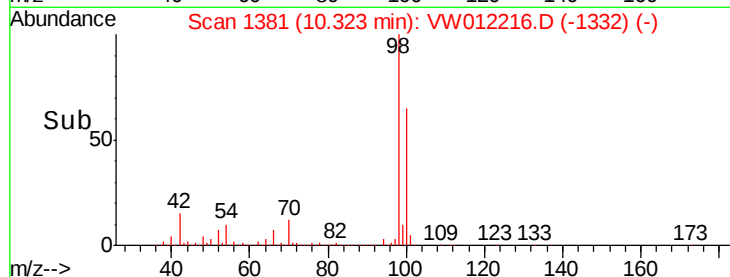
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 48.690 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

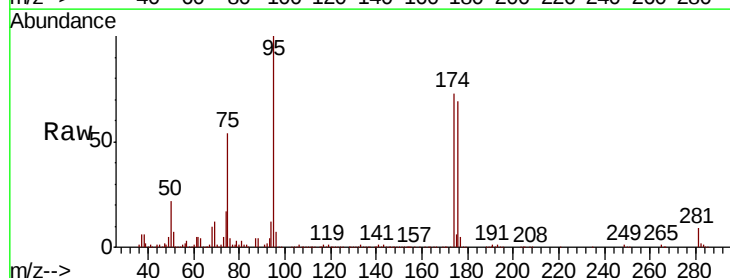
Tgt Ion: 95 Resp: 171253

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.8

176 72.5 0.0 148.6



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

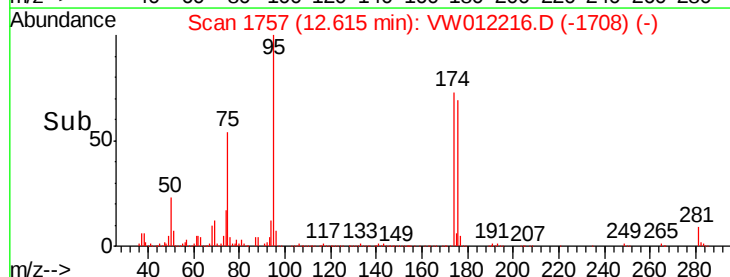
12.62

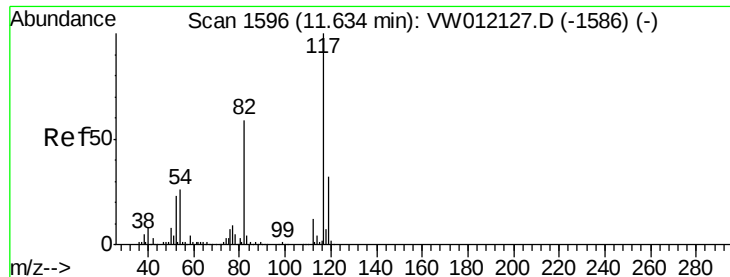
100000

50000

0

Time--> 12.50 12.60 12.70 12.80

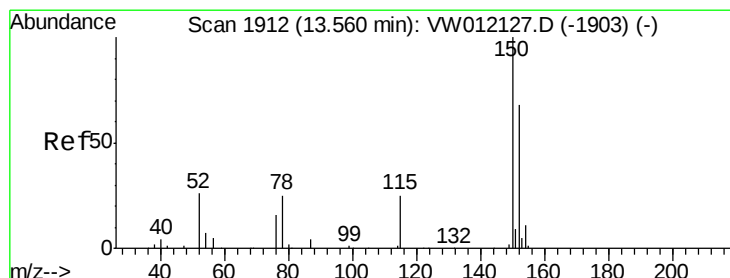
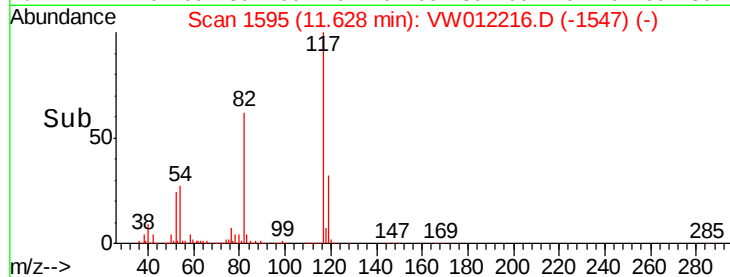
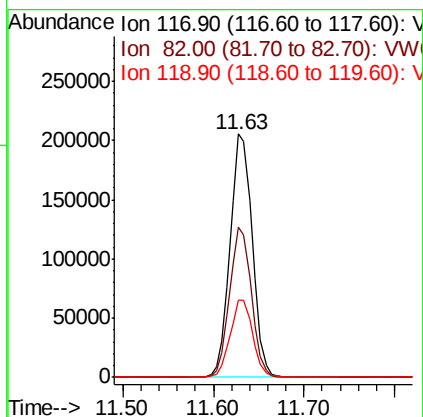
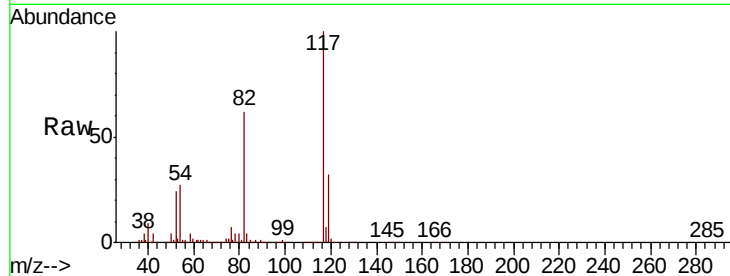




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

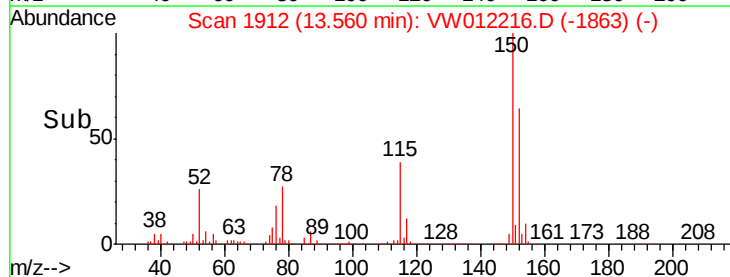
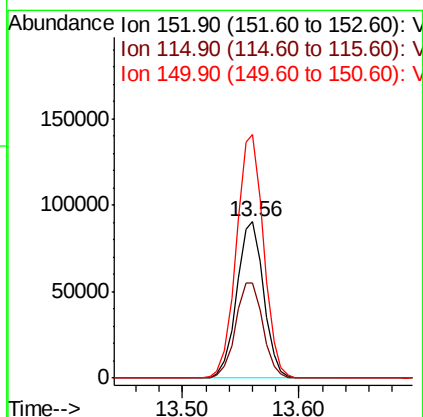
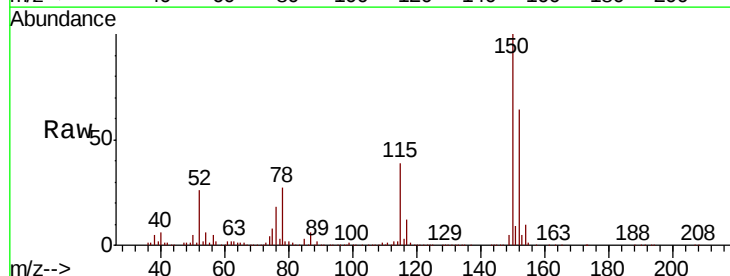
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619

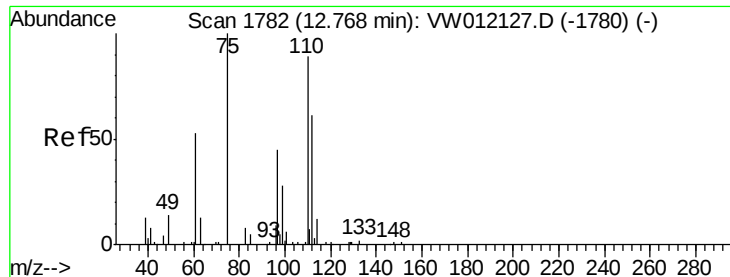
Tgt Ion:117 Resp: 348461
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

Tgt Ion:152 Resp: 145424
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.3
150 157.4 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.589 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

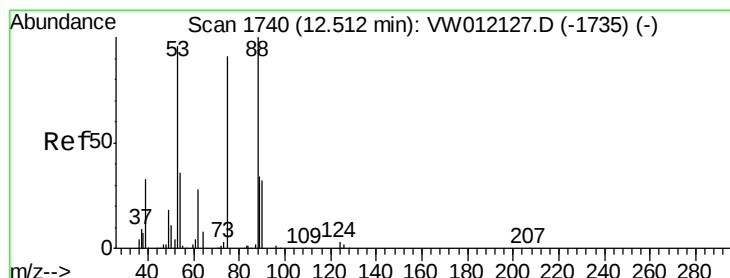
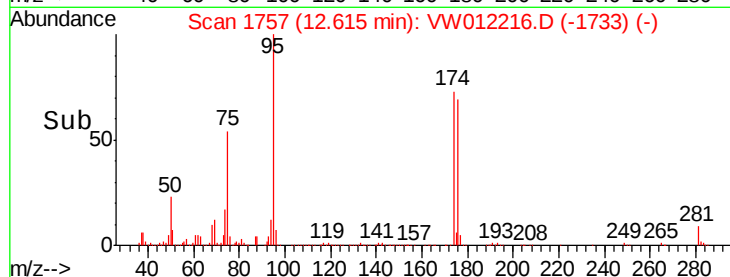
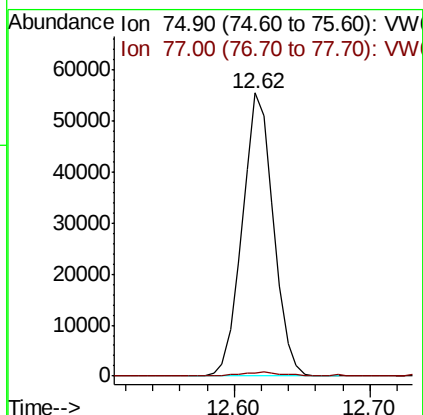
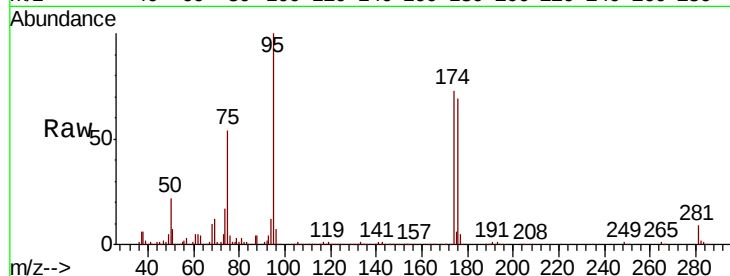
S402-K1-1.0-1.5-082619

Tgt Ion: 75 Resp: 88646

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012216.D

Acq: 27 Aug 2019 16:52

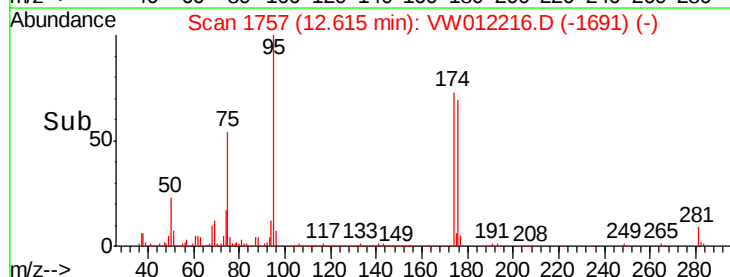
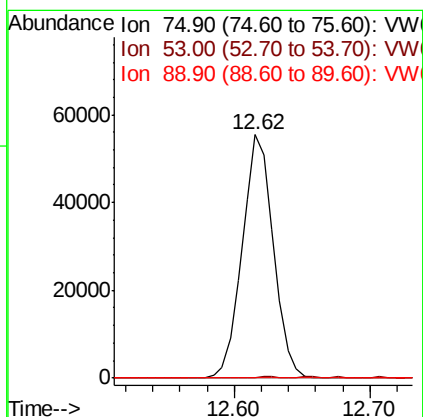
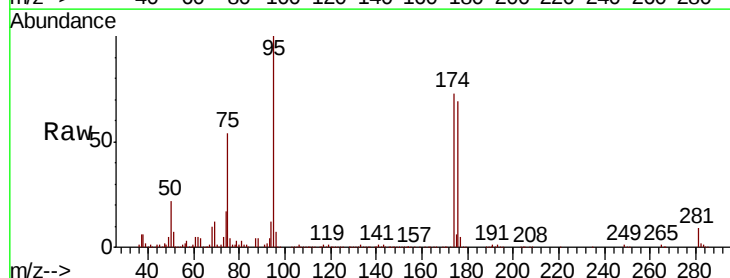
Tgt Ion: 75 Resp: 88646

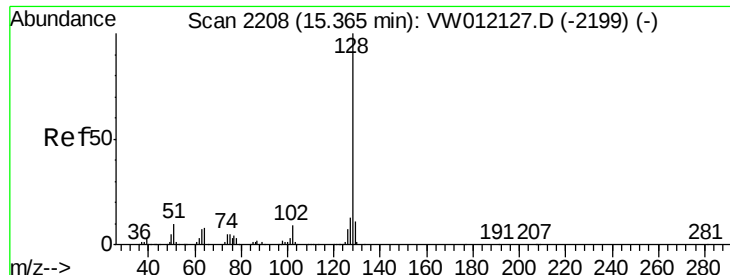
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#

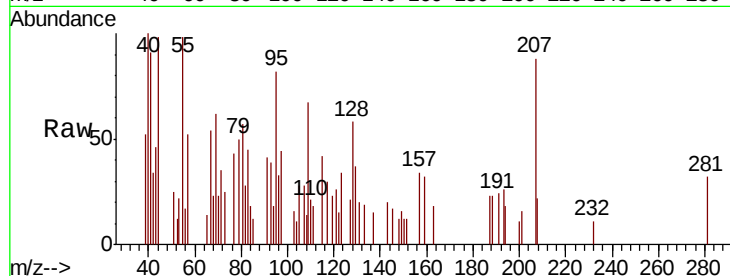




#95
Naphthalene
Concen: 4.340 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012216.D
Acq: 27 Aug 2019 16:52

Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619

Tgt Ion	Ratio	Lower	Upper
128	100		
127	109.5	10.7	16.1#
129	115.5	8.7	13.1#



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

