

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012402.D
 Acq On : 31 Aug 2019 16:01
 Operator : SY/VA
 Sample : K4472-15
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:19:48 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	204825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111268	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	136250	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
35) Dibromofluoromethane	7.88	113	107131	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.32	98	419325	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.62	95	130181	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

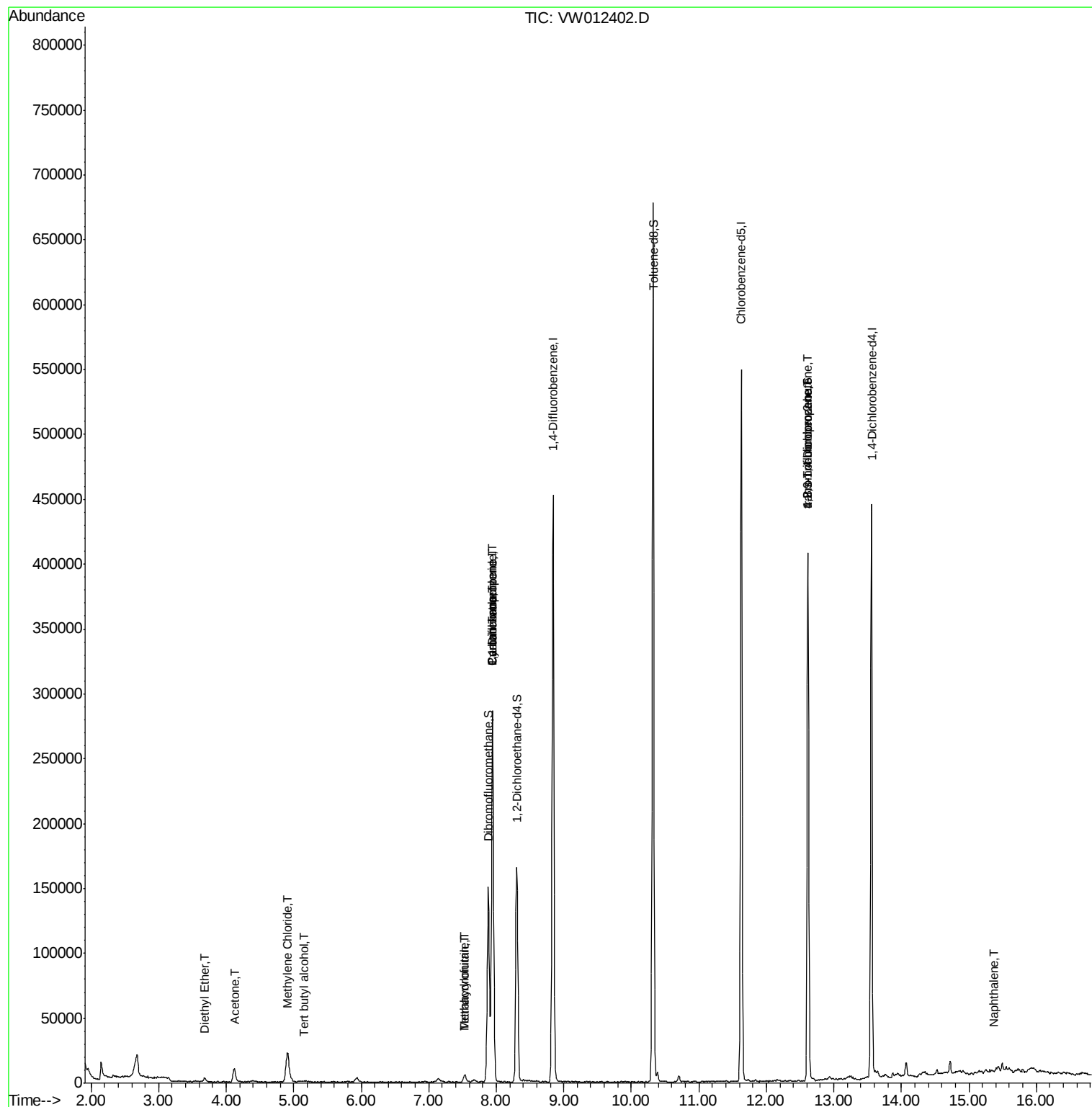
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1308	1.148	ug/l	78
11) Tert butyl alcohol	5.16	59	1181	8.060	ug/l #	71
16) Acetone	4.12	43	19050	30.607	ug/l	97
20) Methylene Chloride	4.90	84	16953	7.205	ug/l	96
29) Tetrahydrofuran	7.53	42	4931	9.718	ug/l	97
31) Cyclohexane	7.95	56	5341	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17798	5.017	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21440	6.983	ug/l #	16
41) Methacrylonitrile	7.52	41	3117	2.728	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	70973	65.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70973	143.596	ug/l #	6
95) Naphthalene	15.37	128	204	4.365	ug/l #	69

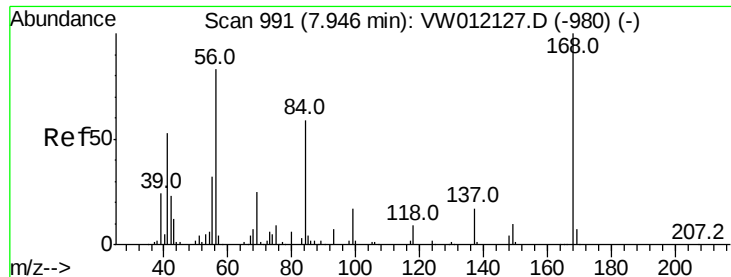
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\
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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: VW012402.D

Acq: 31 Aug 2019 16:01

Instrument :

MSVOA_W

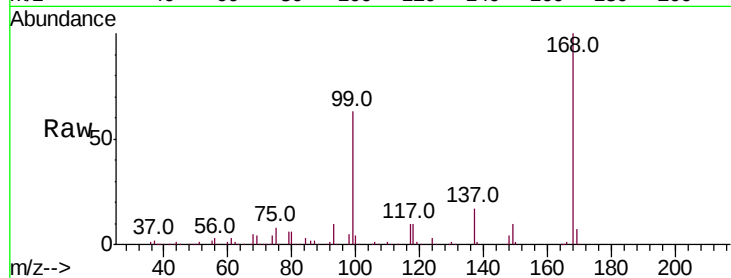
ClientSampled :

Tot Ion:168 Resp: 204825

Ion Ratio Lower Upper

168 100

99 62.5 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

80000

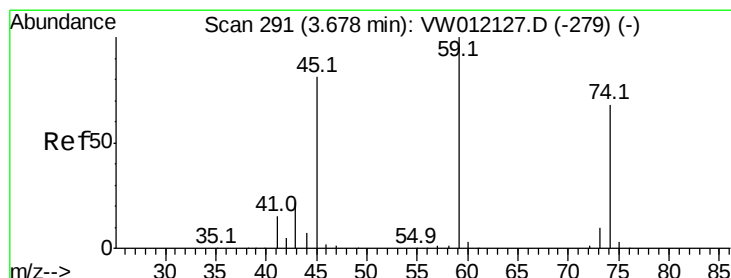
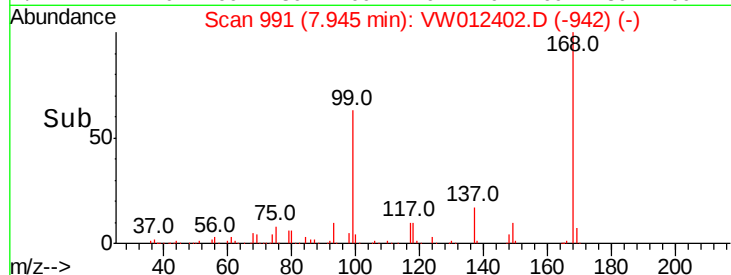
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.148 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012402.D

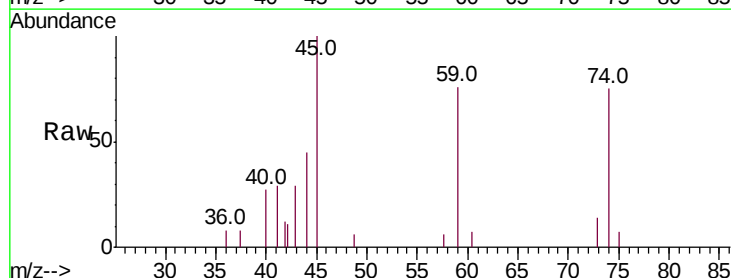
Acq: 31 Aug 2019 16:01

Tgt Ion: 74 Resp: 1308

Ion Ratio Lower Upper

74 100

45 142.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

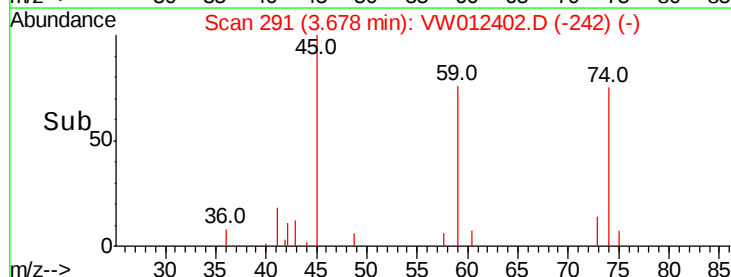
600

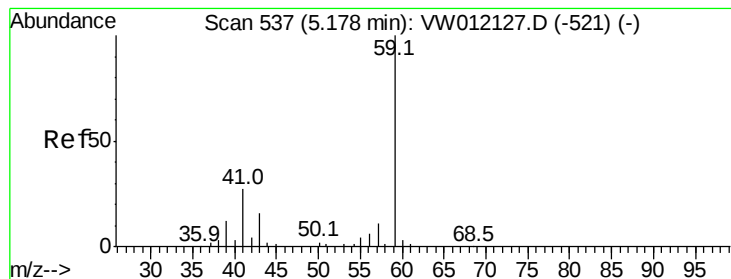
400

200

0

Time--> 3.60 3.65 3.70 3.75



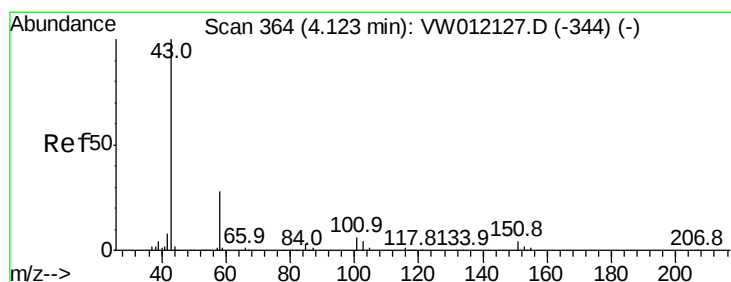
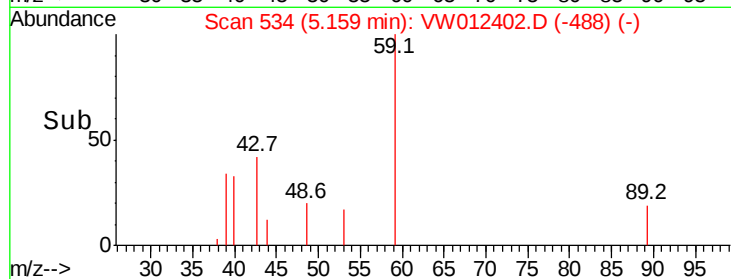
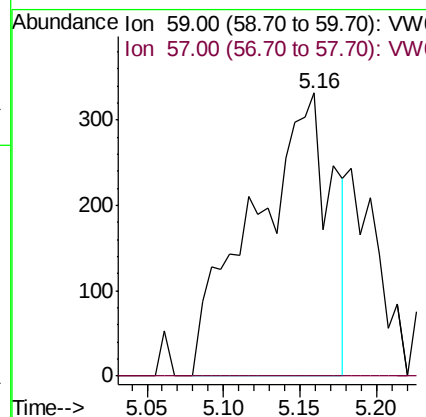
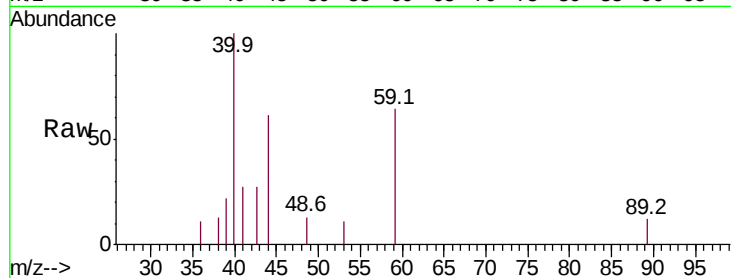


#11

Tert butyl alcohol
 Concen: 8.060 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

Instrument :
 MSVOA_W
 ClientSampled :

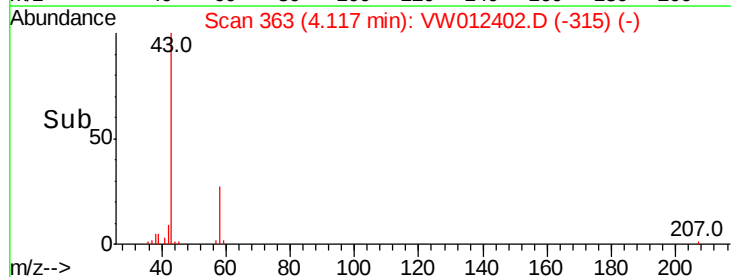
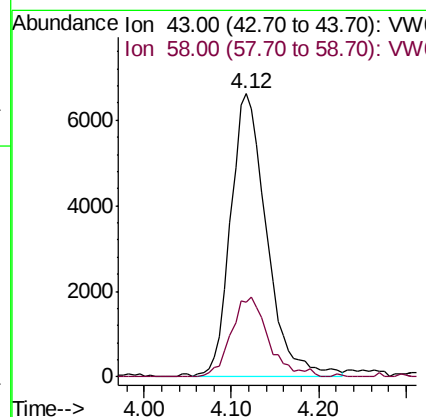
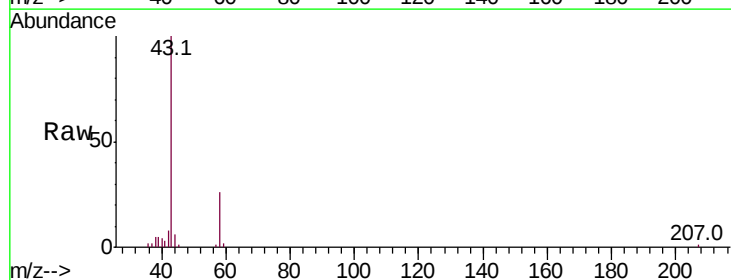
Tot Ion: 59 Resp: 1181
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

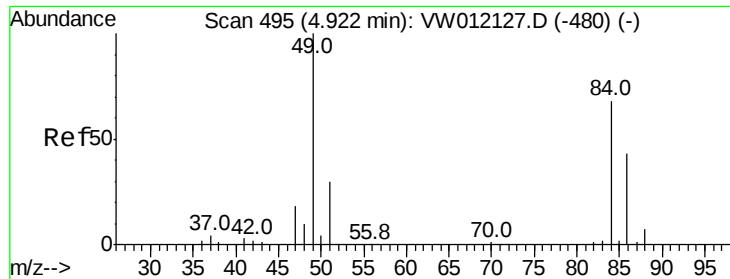


#16

Acetone
 Concen: 30.607 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

Tgt Ion: 43 Resp: 19050
 Ion Ratio Lower Upper
 43 100
 58 26.3 22.4 33.6

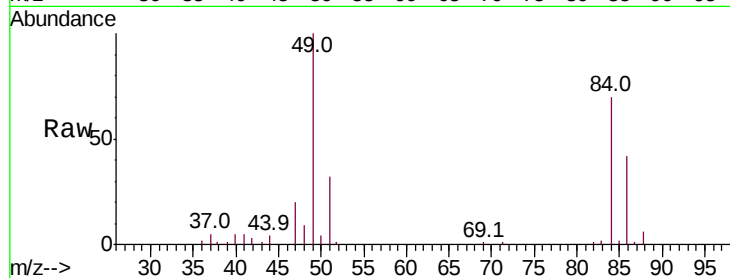




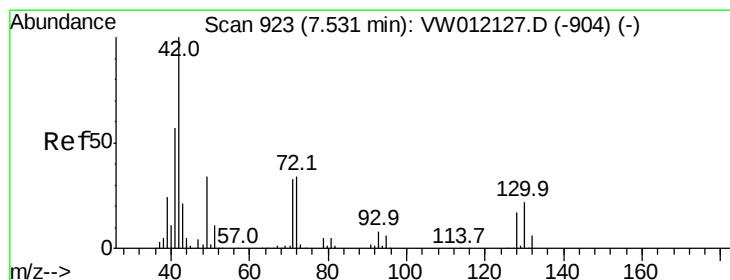
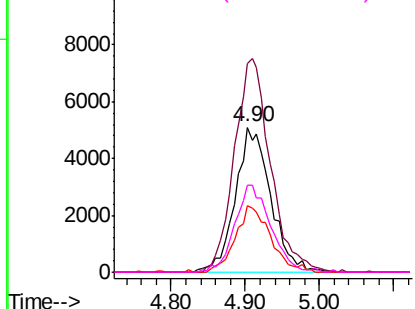
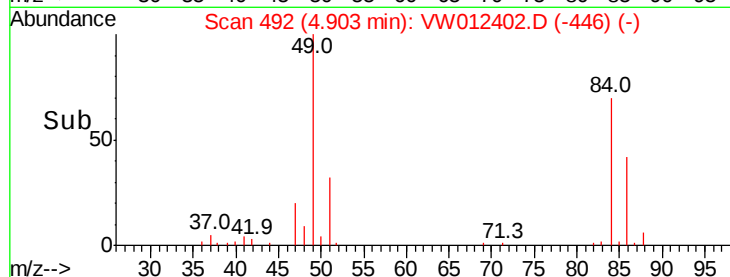
#20
Methvlene Chloride
Concen: 7.205 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	16953
Ion	Ratio	Lower	Upper
84	100		
49	143.2	117.8	176.8
51	46.2	35.6	53.4
86	59.9	51.2	76.8

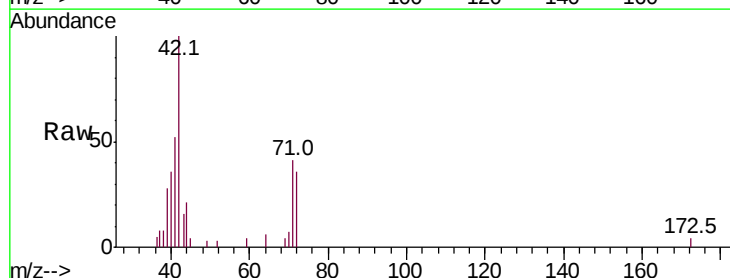


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

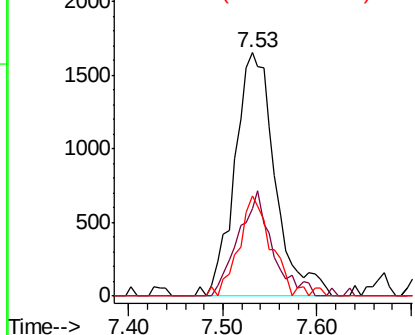
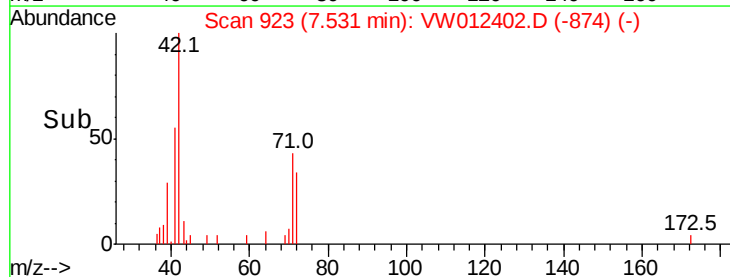


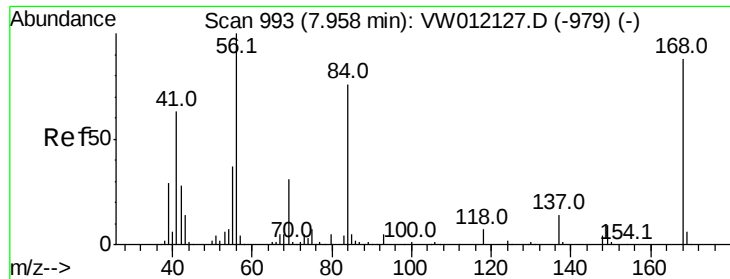
#29
Tetrahydrofuran
Concen: 9.718 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Tgt Ion:	42	Resp:	4931
Ion	Ratio	Lower	Upper
42	100		
72	36.5	27.3	40.9
71	32.8	25.5	38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

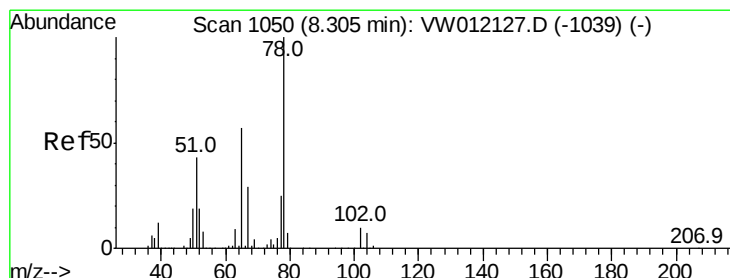
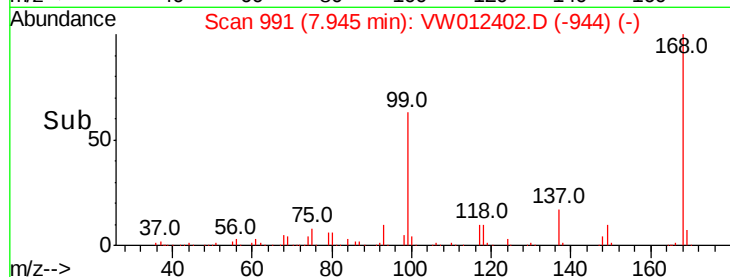
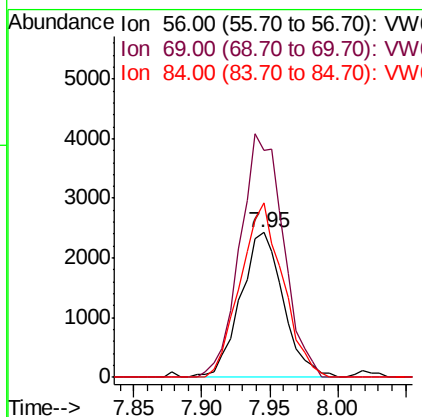
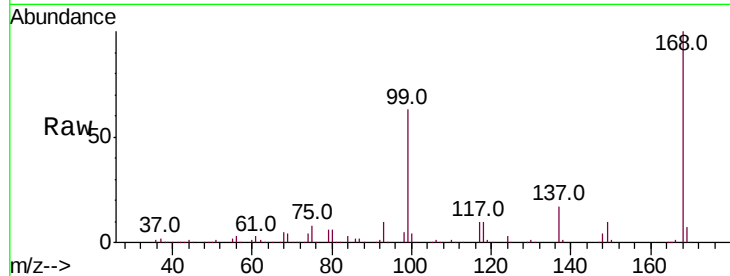




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

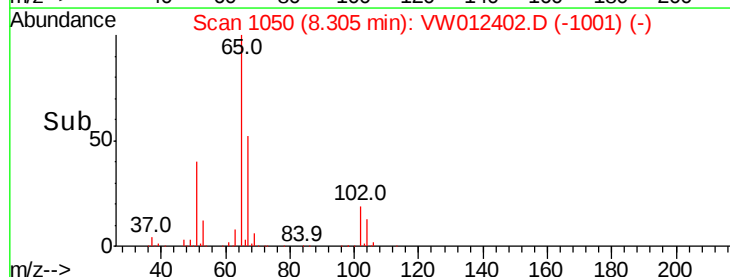
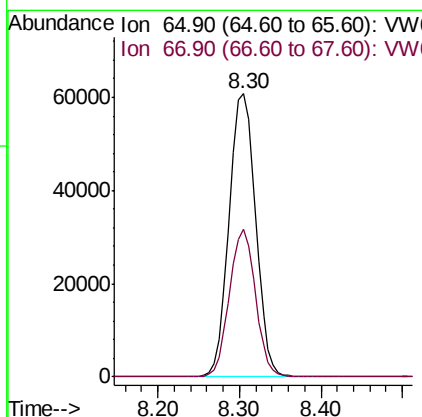
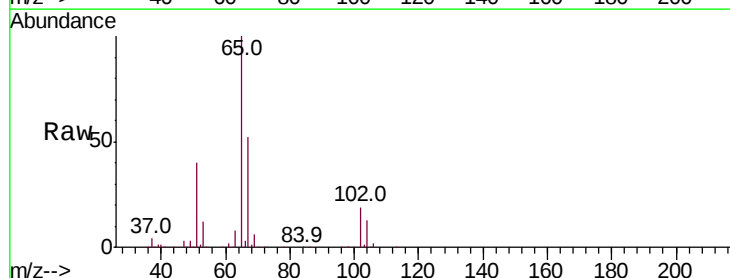
Instrument :
MSVOA_W
ClientSampled :

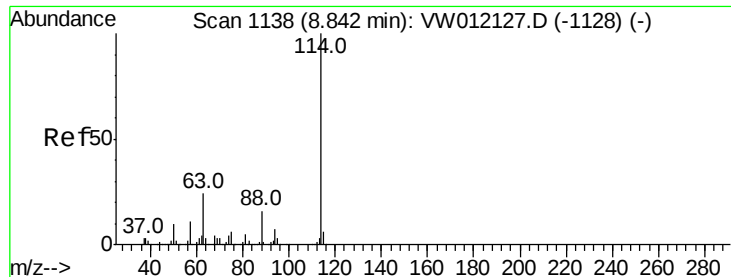
Tot Ion: 56 Resp: 5341
Ion Ratio Lower Upper
56 100
69 156.9 24.9 37.3#
84 120.2 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 55.958 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Tgt Ion: 65 Resp: 136250
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6

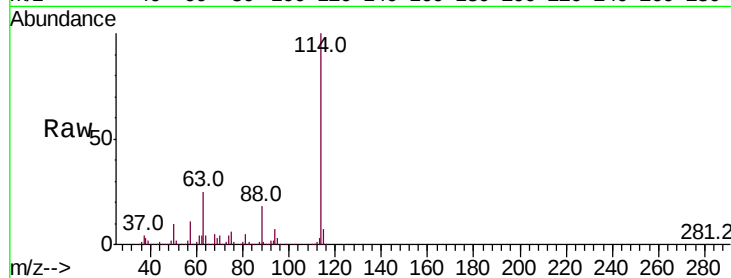




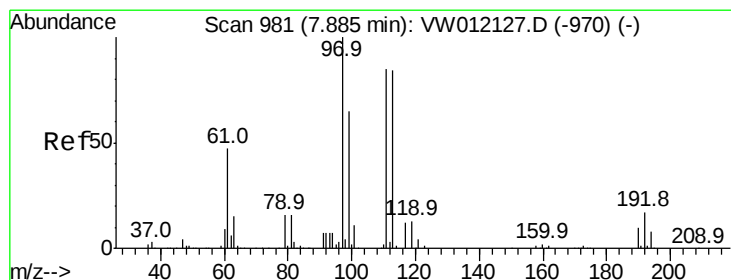
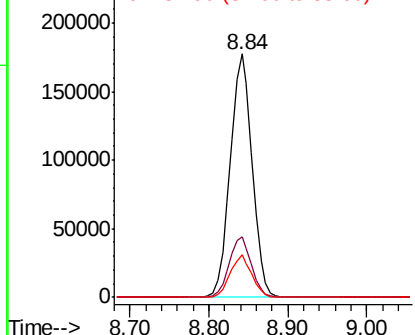
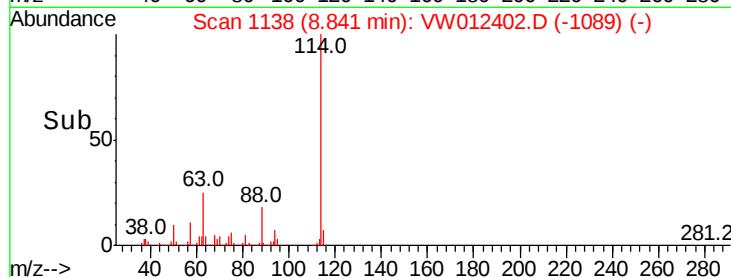
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 343260
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 17.8 0.0 32.2

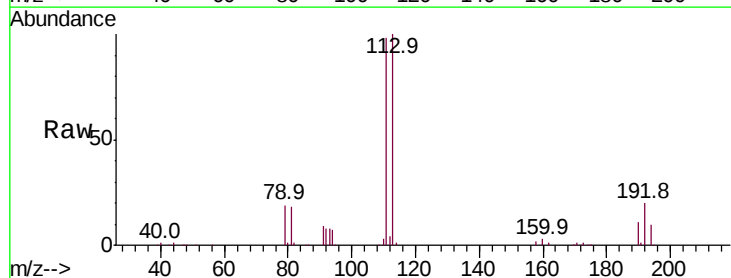


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

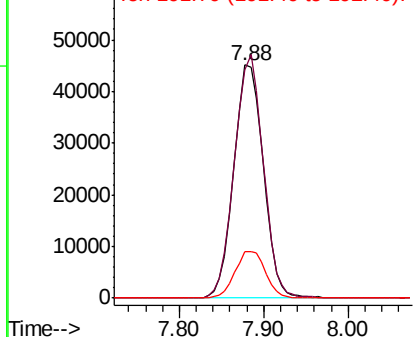
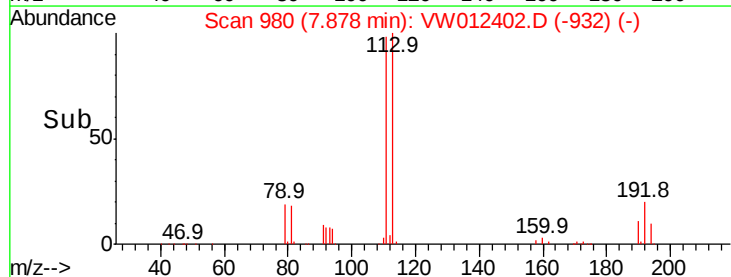


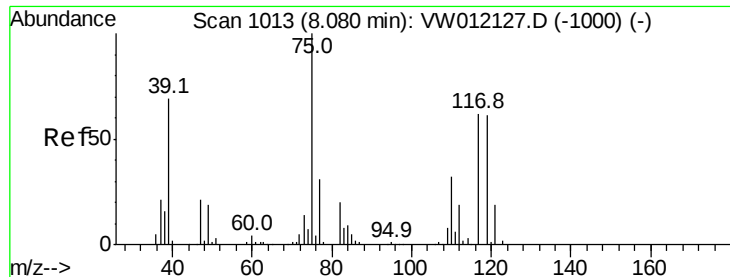
#35
 Dibromofluoromethane
 Concen: 52.286 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

Tgt Ion:113 Resp: 107131
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 20.6 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

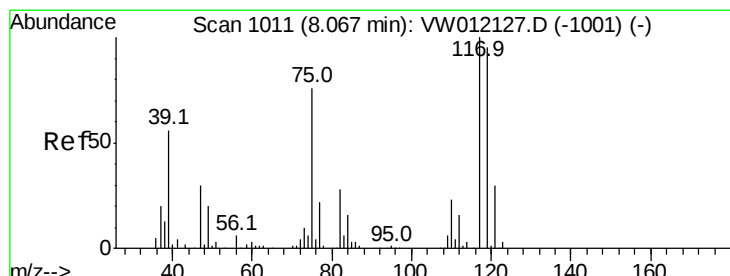
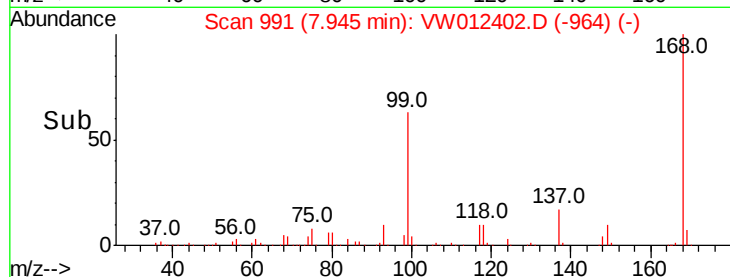
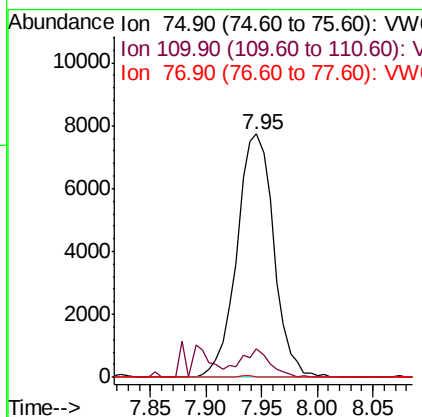
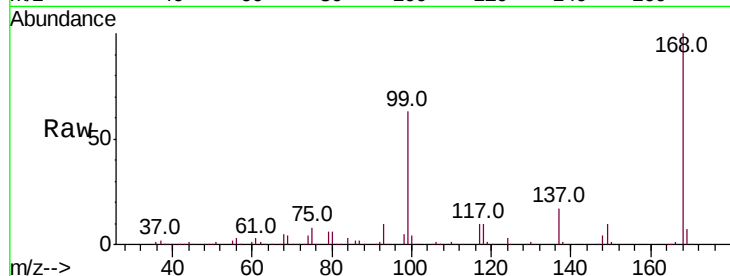




#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

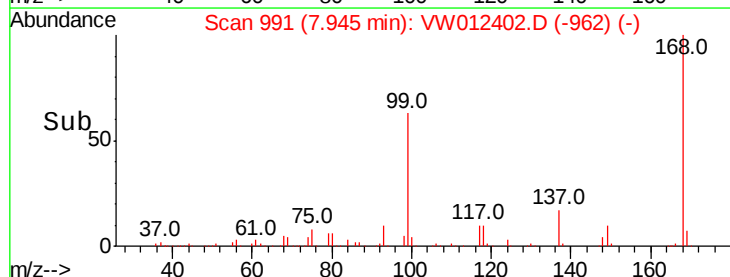
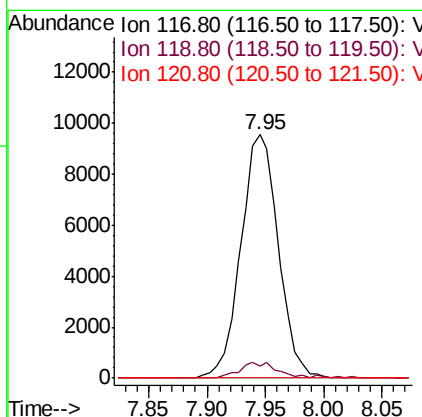
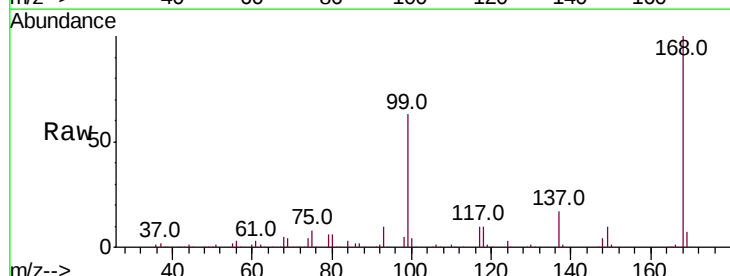
Instrument :
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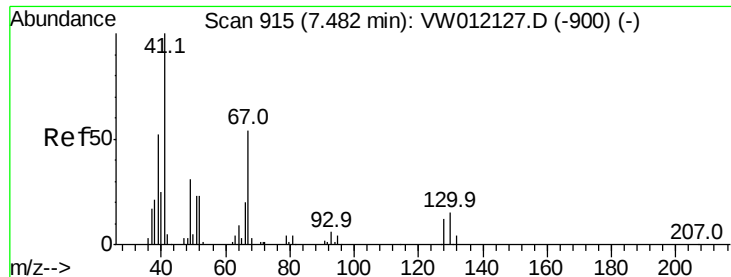
Tot Ion: 75 Resp: 17798
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.3 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012402.D
 Acq: 31 Aug 2019 16:01

Tgt Ion: 117 Resp: 21440
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.2 114.2#
 121 0.0 23.8 35.8#

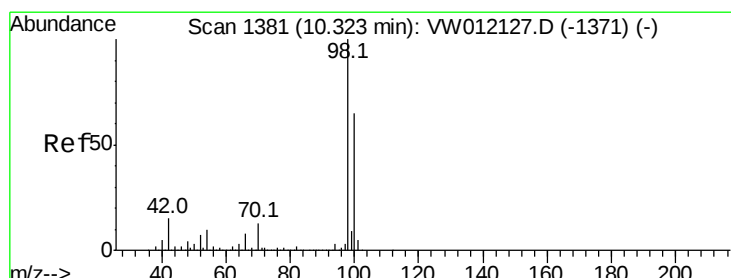
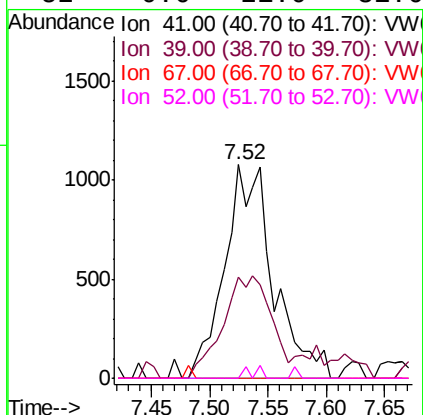
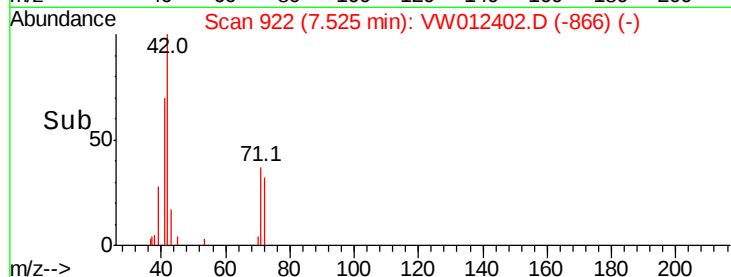
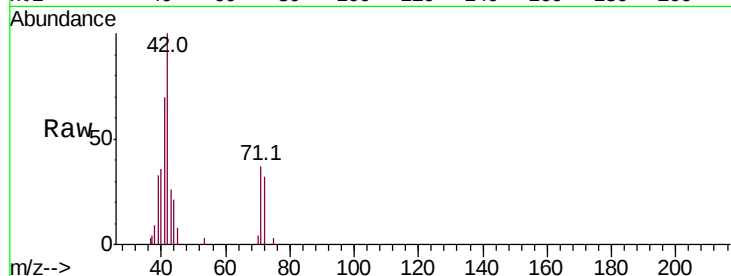




#41
Methacrylonitrile
Concen: 2.728 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

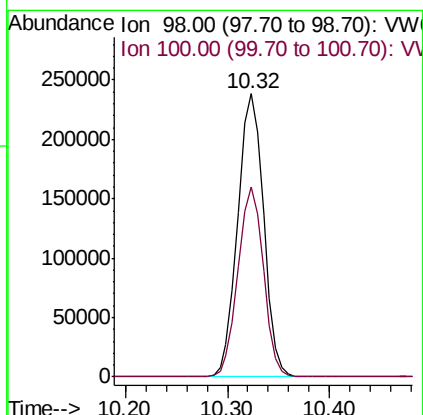
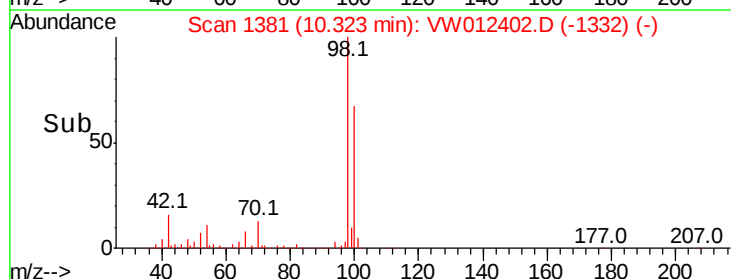
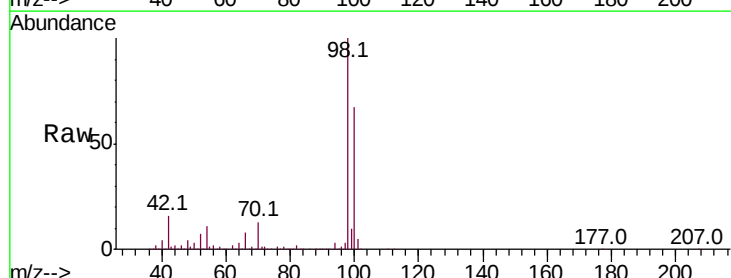
Instrument :
MSVOA_W
ClientSampleId :

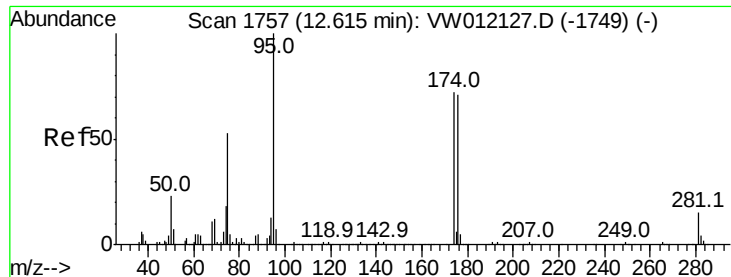
Tot Ion: 41 Resp: 3117
Ion Ratio Lower Upper
41 100
39 49.0 45.8 68.8
67 0.0 46.2 69.4#
52 0.6 21.0 31.6#



#50
Toluene-d8
Concen: 50.474 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Tgt Ion: 98 Resp: 419325
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

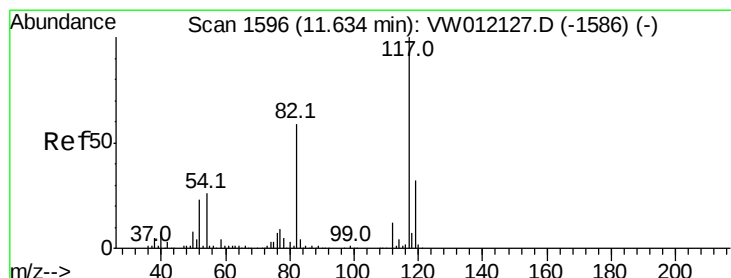
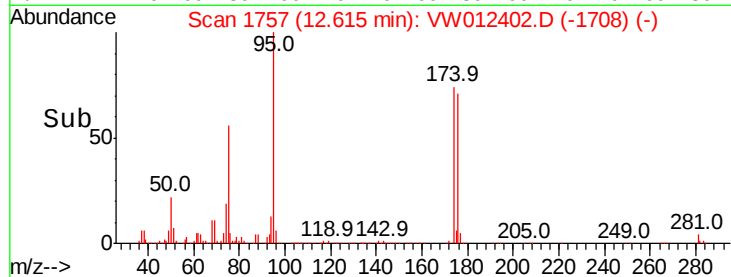
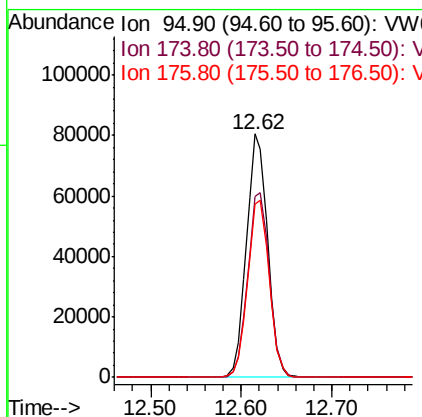
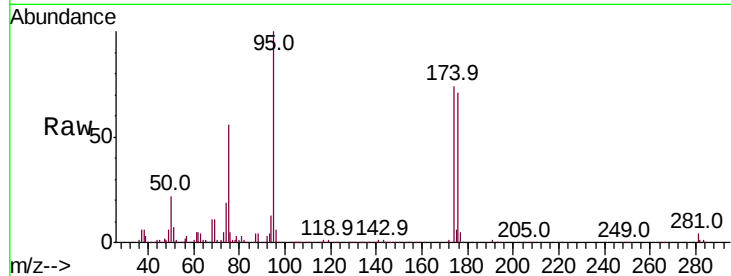




#62
4-Bromofluorobenzene
Concen: 44.453 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

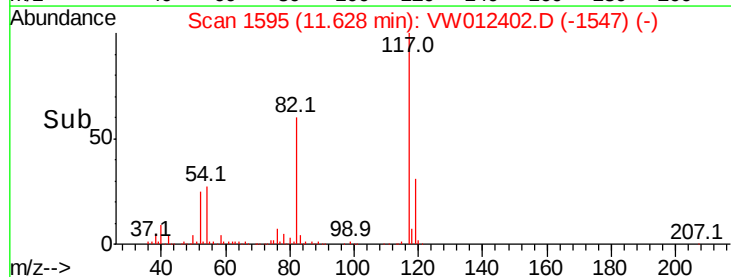
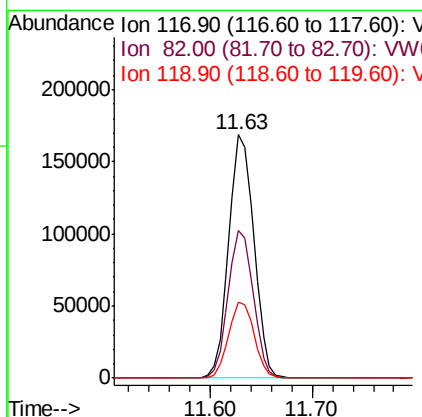
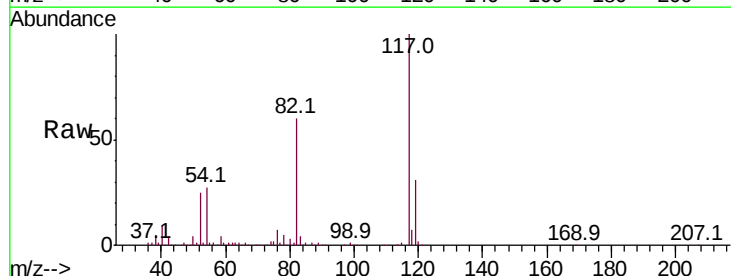
Instrument :
MSVOA_W
ClientSampleId :

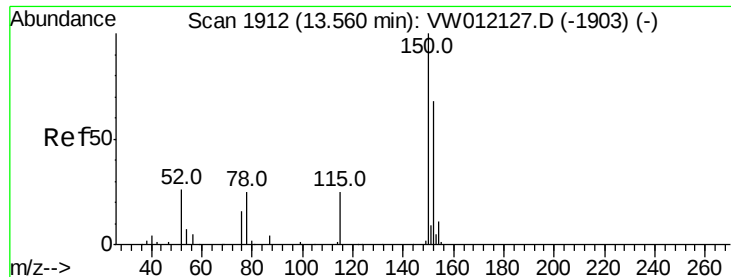
Tot Ion	95	Resp	130181
Ion Ratio	Lower	Upper	
95	100		
174	77.5	0.0	150.8
176	73.9	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Tgt Ion	117	Resp	287558
Ion Ratio	Lower	Upper	
117	100		
82	60.5	47.4	71.2
119	30.9	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: VW012402.D

Acq: 31 Aug 2019 16:01

Instrument :

MSVOA_W

ClientSampled :

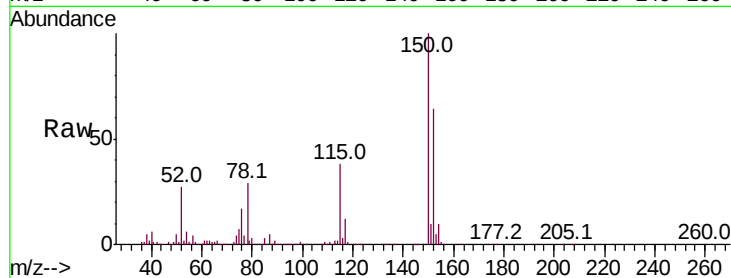
Tot Ion:152 Resp: 111268

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

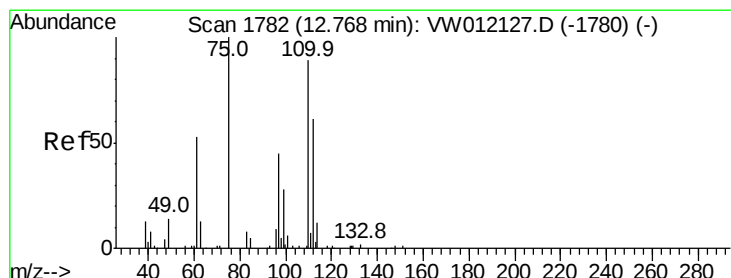
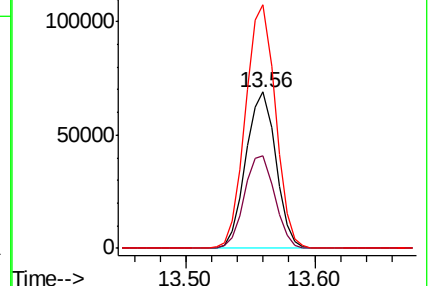
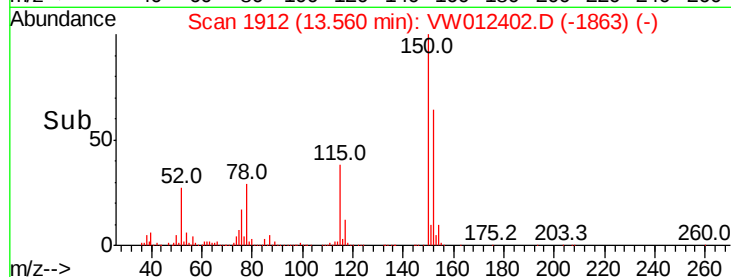
150 155.4 0.0 345.8



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: 65.493 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012402.D

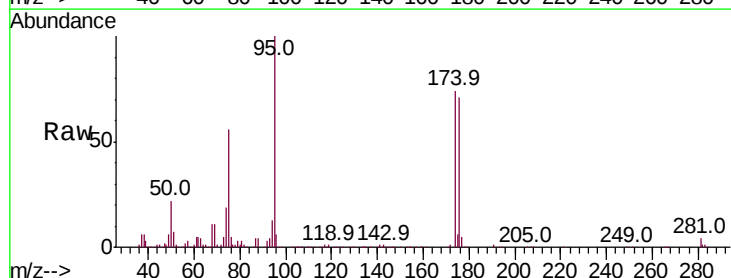
Acq: 31 Aug 2019 16:01

Tgt Ion: 75 Resp: 70973

Ion Ratio Lower Upper

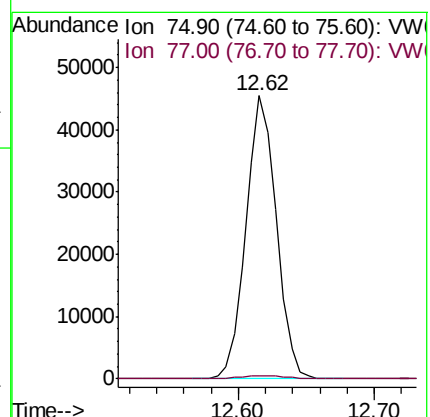
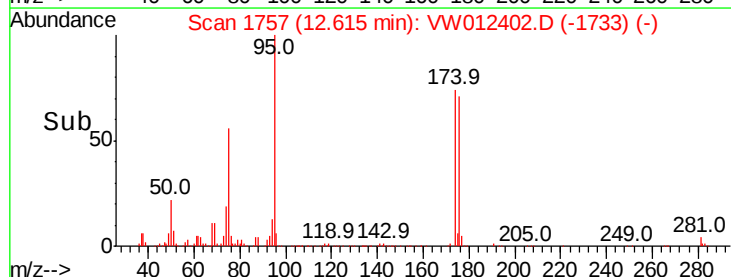
75 100

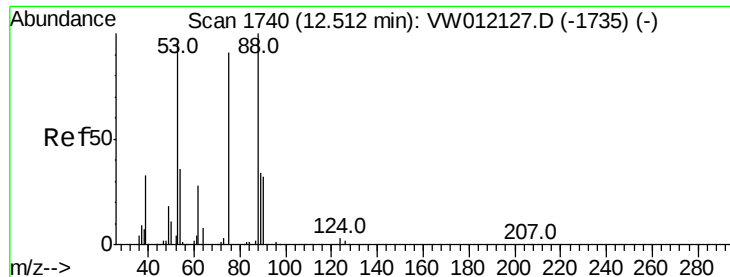
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

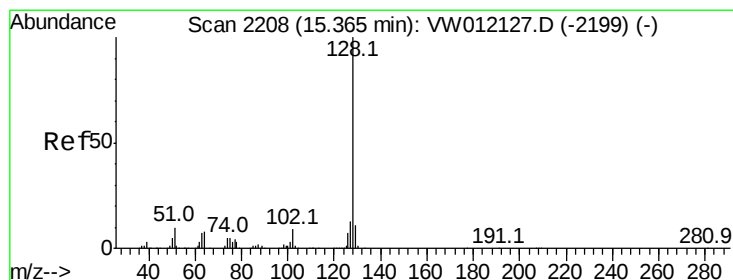
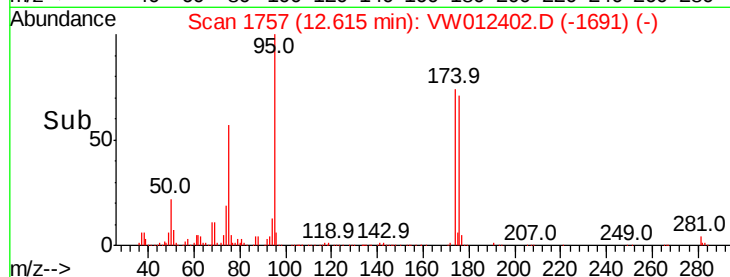
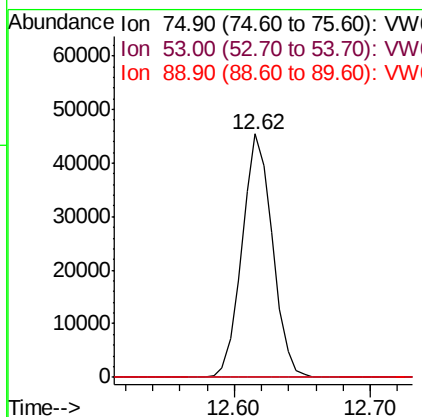
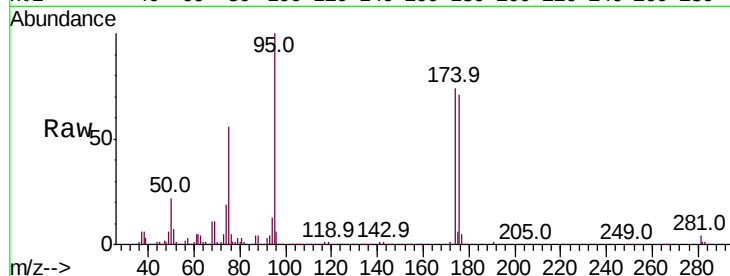




#81
trans-1,4-Dichloro-2-butene
Concen: 143.596 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 70973
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.365 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012402.D
Acq: 31 Aug 2019 16:01

Tgt Ion: 128 Resp: 204
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

