

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012244.D
 Acq On : 28 Aug 2019 10:47
 Operator : SY/VA
 Sample : VW0828SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:24:12 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	235703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135785	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	134110	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
35) Dibromofluoromethane	7.88	113	113022	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.32	98	469734	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	156488	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

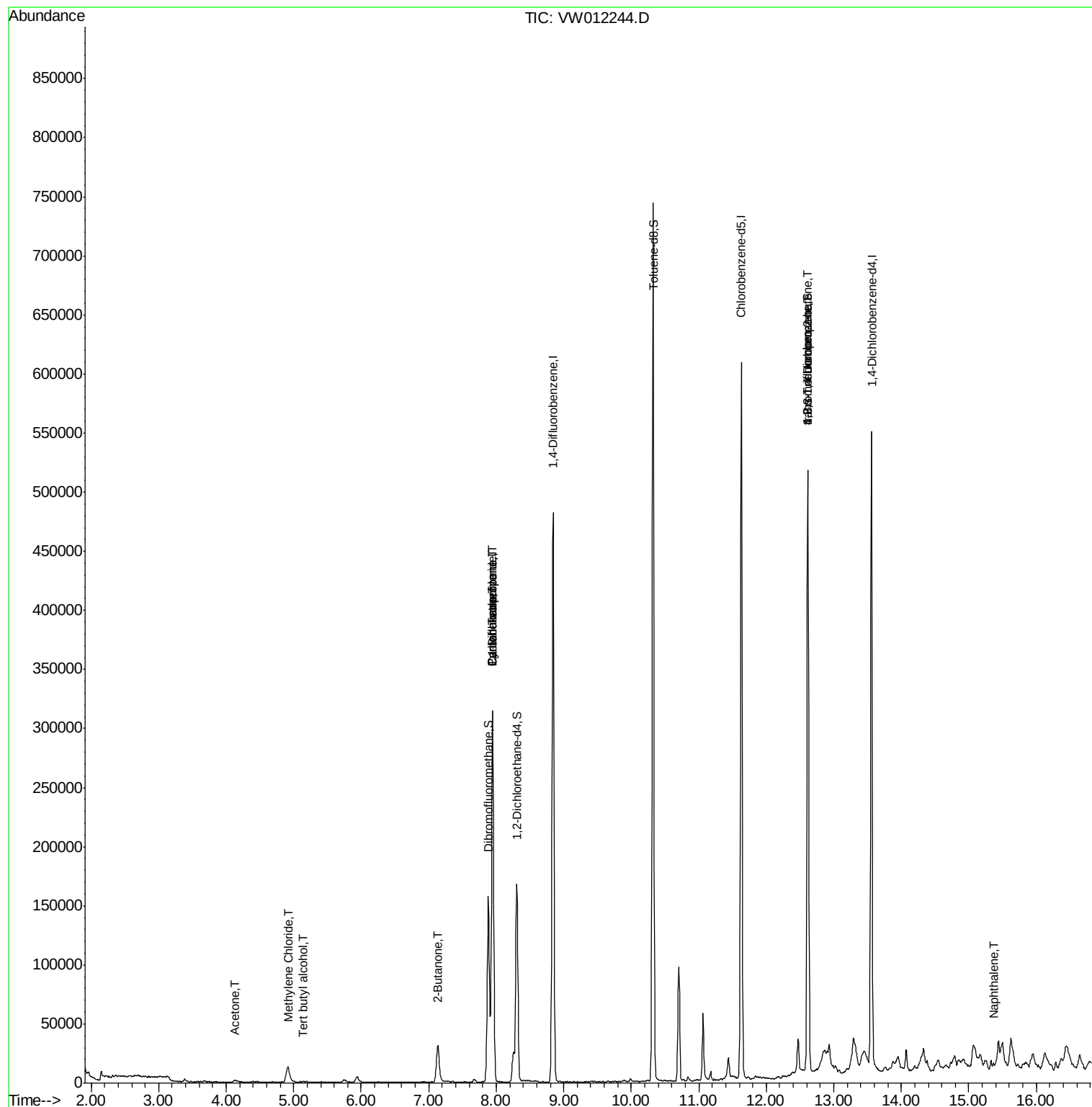
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	176	1.044	ug/l #	71
16) Acetone	4.13	43	3816	5.328	ug/l	99
20) Methylene Chloride	4.92	84	9664	3.569	ug/l	96
25) 2-Butanone	7.12	43	2286	2.349	ug/l #	80
31) Cyclohexane	7.95	56	5794	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20202	5.094	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22933	6.682	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	83413	63.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83413	138.293	ug/l #	6
95) Naphthalene	15.36	128	2505	4.768	ug/l #	84

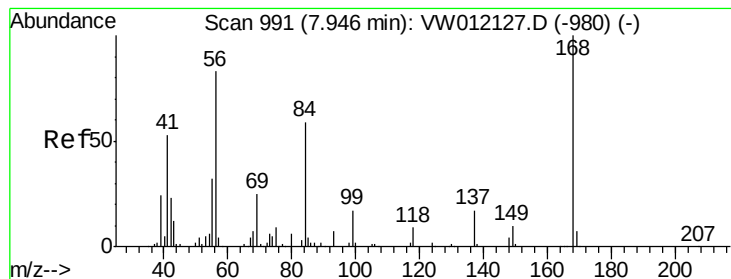
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012244.D

Acq: 28 Aug 2019 10:47

Instrument :

MSVOA_W

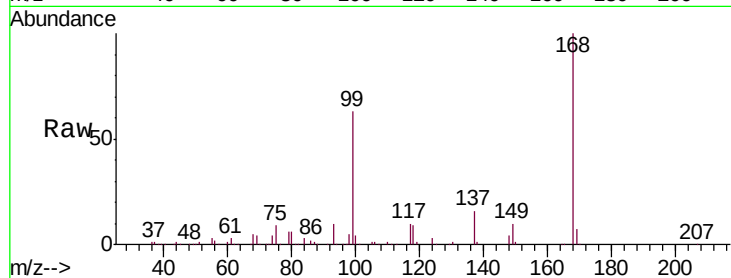
ClientSampleId :

Tot Ion:168 Resp: 235703

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

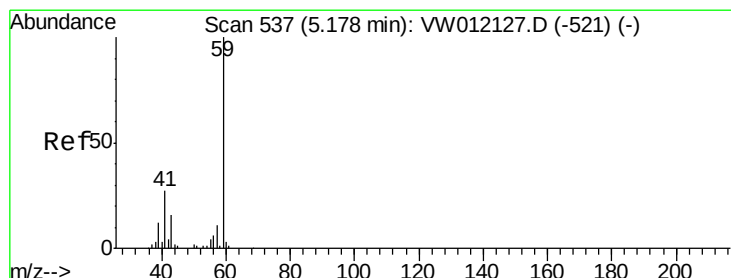
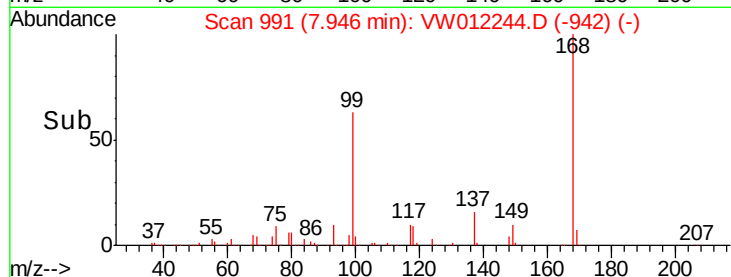
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.044 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW012244.D

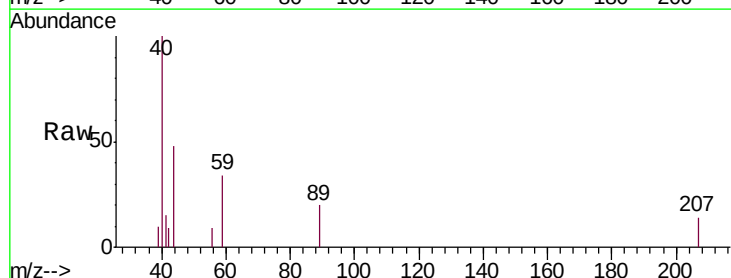
Acq: 28 Aug 2019 10:47

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

200

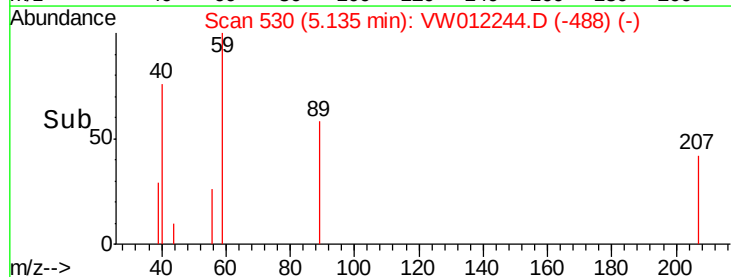
150

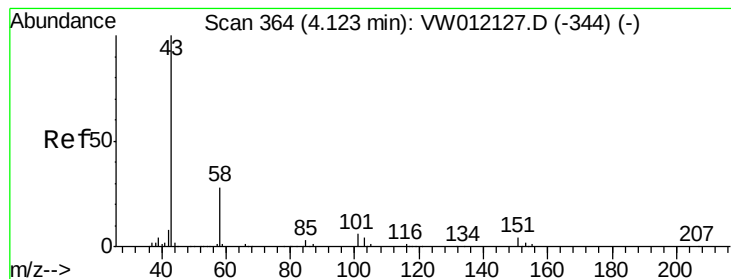
100

50

0

Time--> 5.11 5.12 5.13 5.14





#16

Acetone

Concen: 5.328 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012244.D

Acq: 28 Aug 2019 10:47

Instrument :

MSVOA_W

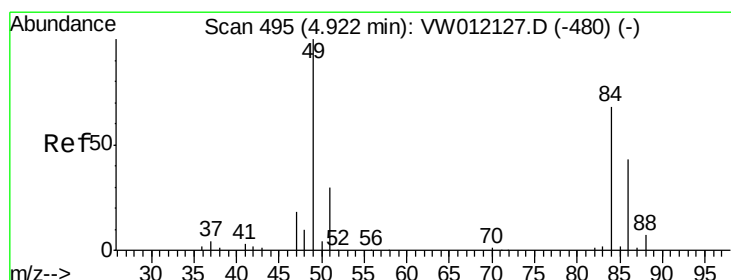
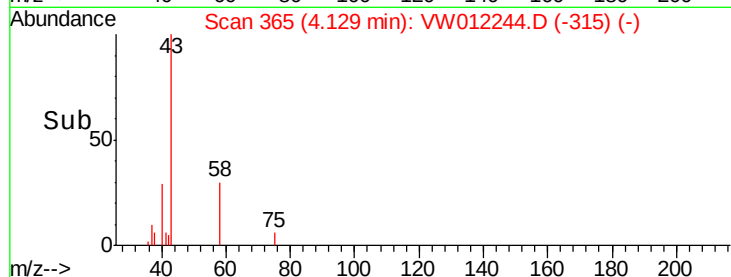
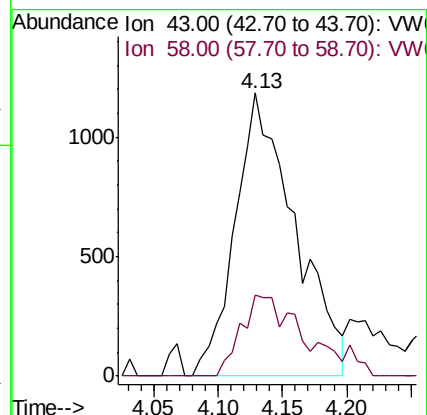
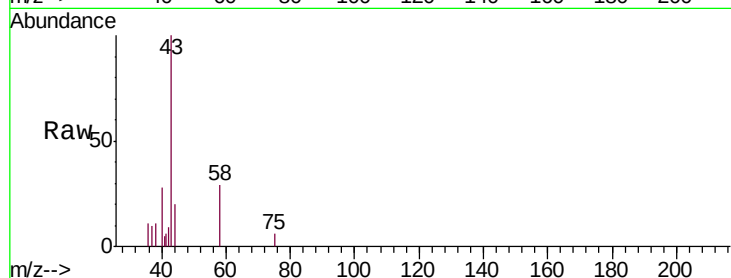
ClientSampled :

Tot Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

58 28.5 22.4 33.6



#20

Methylene Chloride

Concen: 3.569 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012244.D

Acq: 28 Aug 2019 10:47

Tgt Ion: 84 Resp: 9664

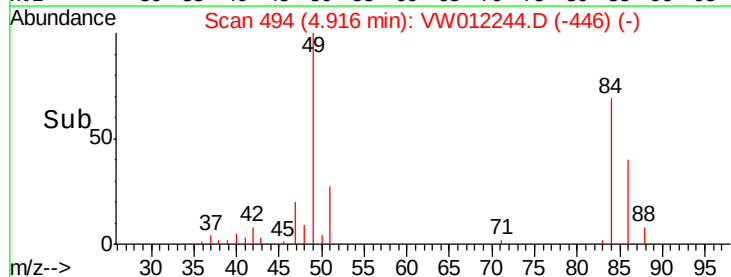
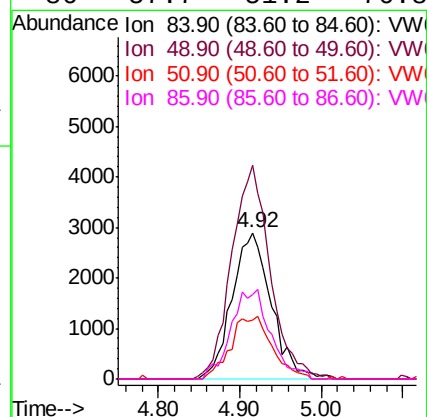
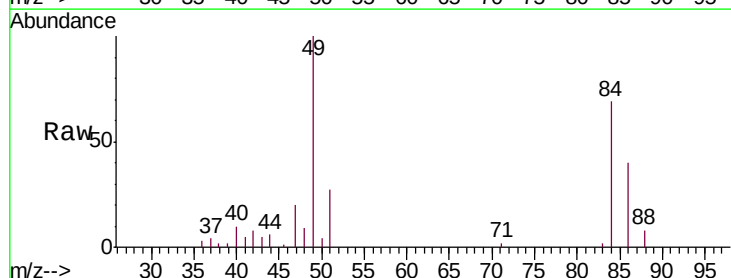
Ion Ratio Lower Upper

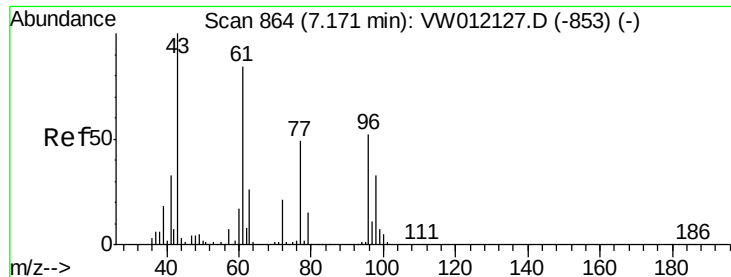
84 100

49 145.9 117.8 176.8

51 40.1 35.6 53.4

86 57.7 51.2 76.8





#25

2-Butanone

Concen: 2.349 ug/l

RT: 7.12 min Scan# 856

Delta R.T. -0.05 min

Lab File: VW012244.D

Acq: 28 Aug 2019 10:47

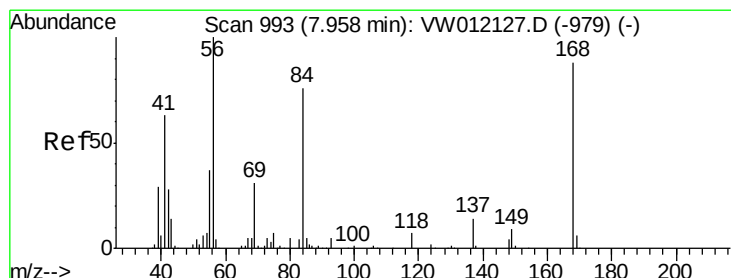
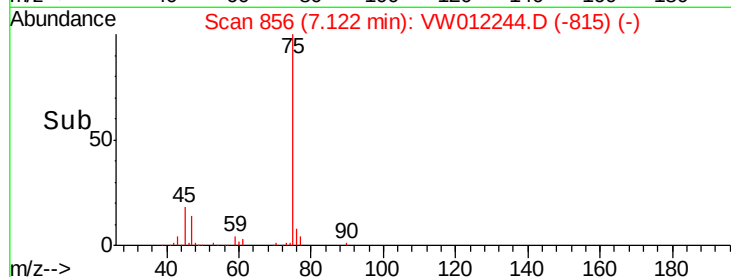
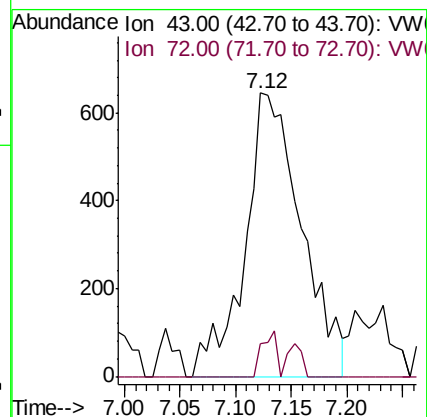
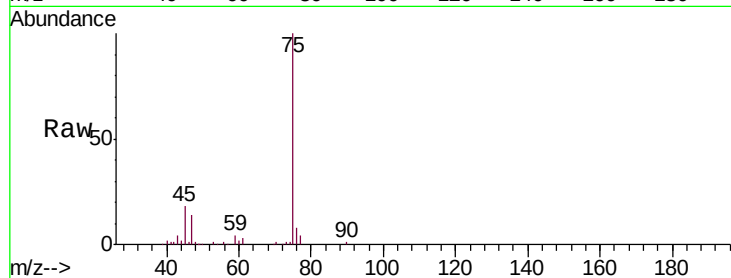
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2286

Ion Ratio Lower Upper

43 100

72 11.3 16.6 24.8#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012244.D

Acq: 28 Aug 2019 10:47

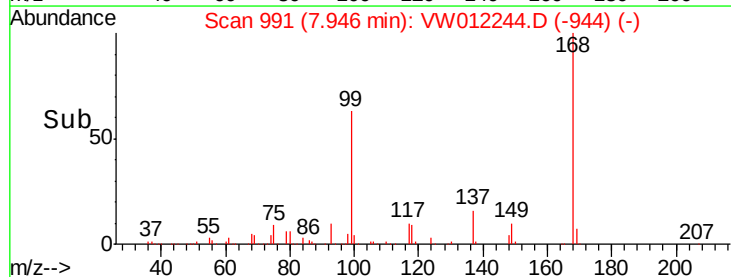
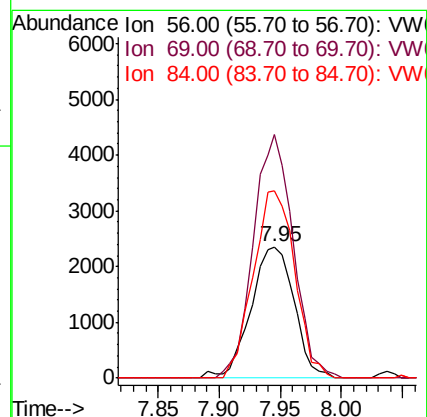
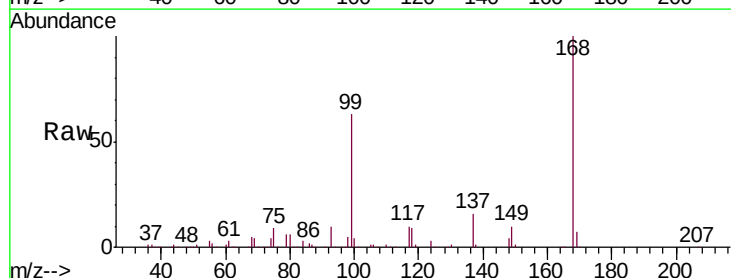
Tgt Ion: 56 Resp: 5794

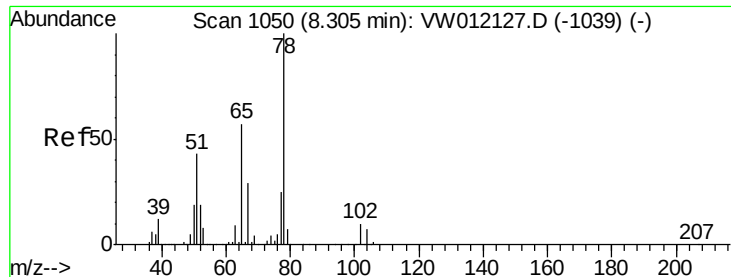
Ion Ratio Lower Upper

56 100

69 185.6 24.9 37.3#

84 143.0 60.6 90.8#

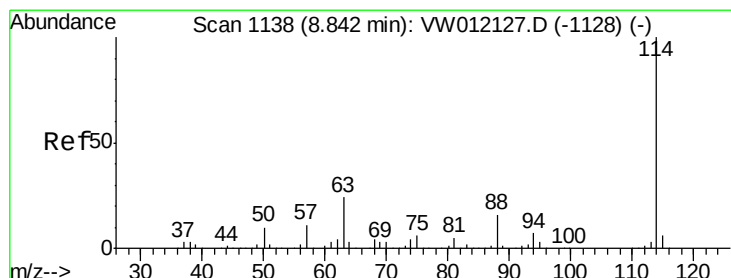
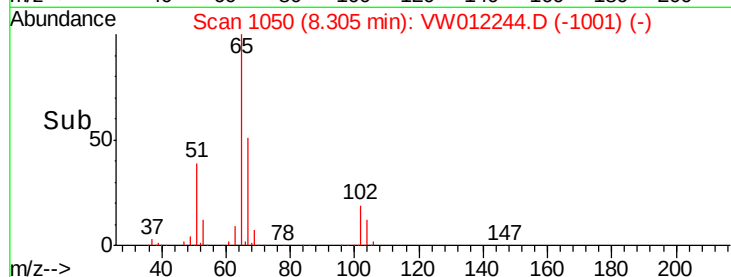
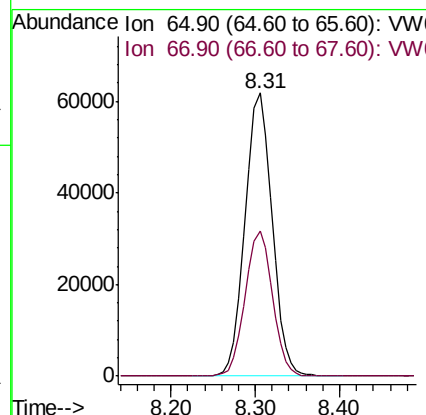
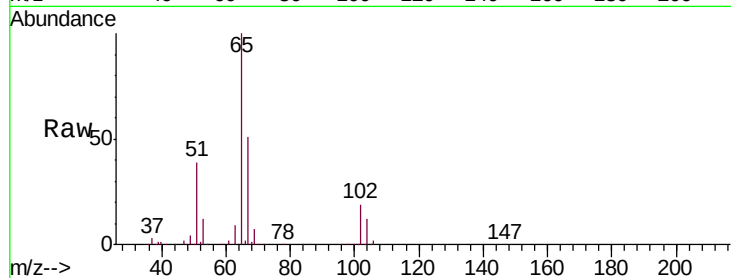




#33
 1,2-Dichloroethane-d4
 Concen: 47.863 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012244.D
 Acq: 28 Aug 2019 10:47

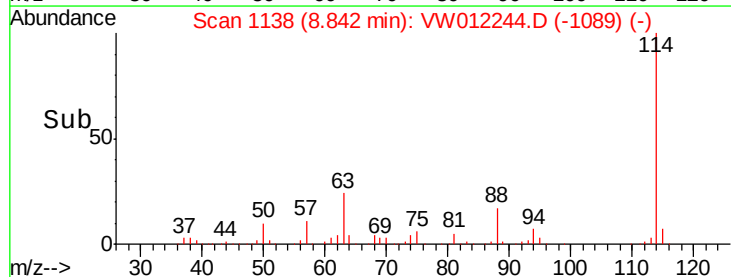
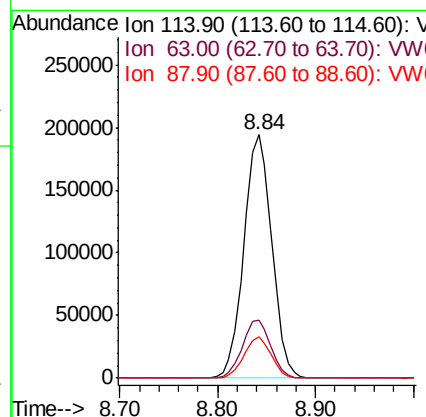
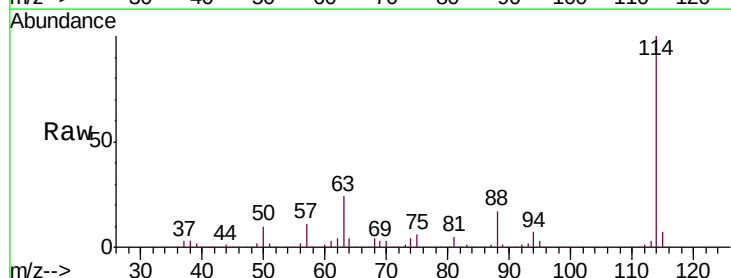
Instrument :
 MSVOA_W
 ClientSampleId :

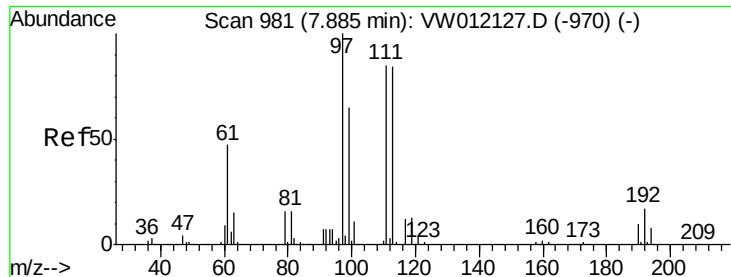
Tot Ion: 65 Resp: 134110
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012244.D
 Acq: 28 Aug 2019 10:47

Tgt Ion: 114 Resp: 383735
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 17.0 0.0 32.2

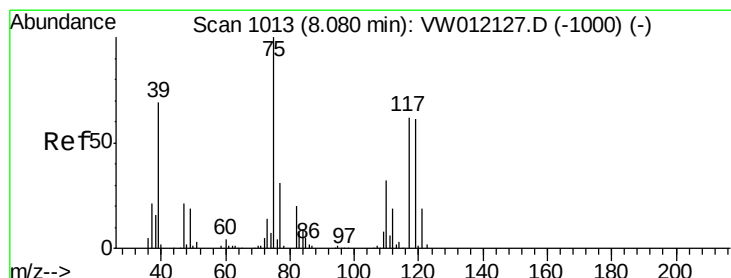
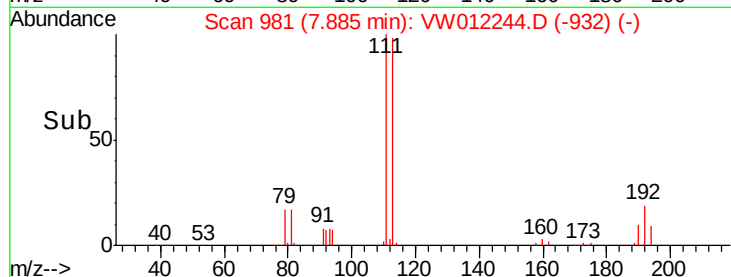
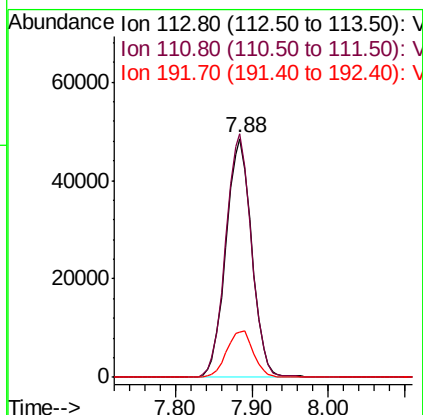
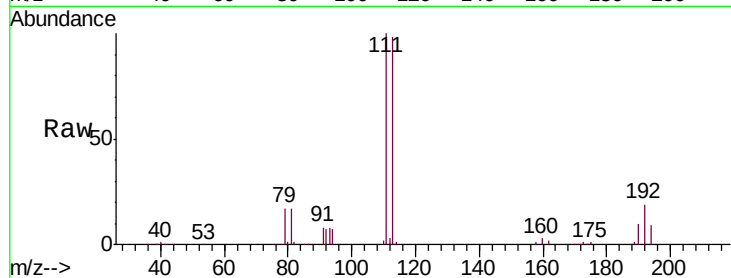




#35
 Dibromofluoromethane
 Concen: 49.343 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012244.D
 Acq: 28 Aug 2019 10:47

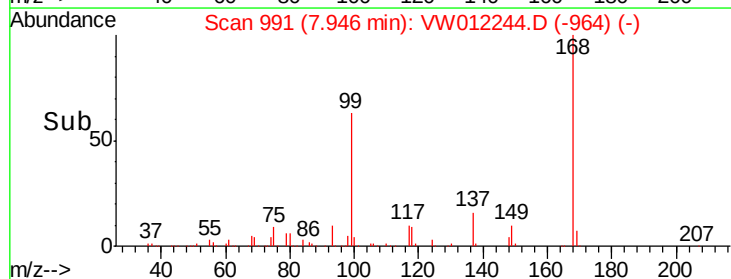
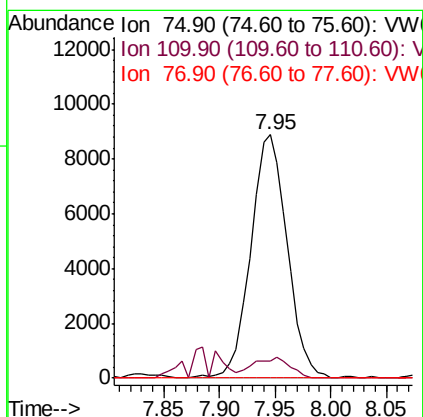
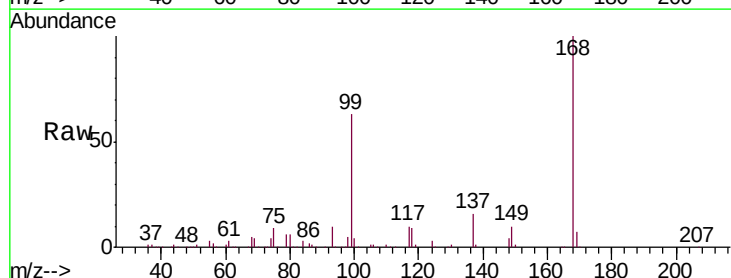
Instrument :
 MSVOA_W
 ClientSampleId :

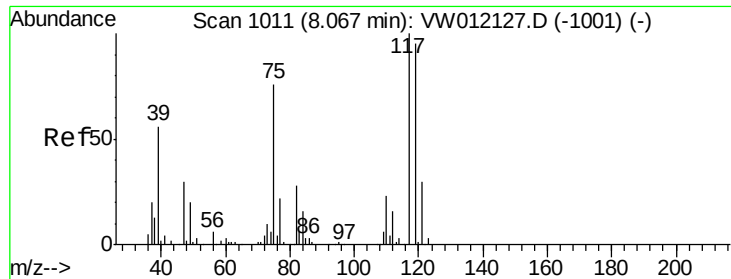
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.7	124.1
192	20.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012244.D
 Acq: 28 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.0	24.6	36.8#

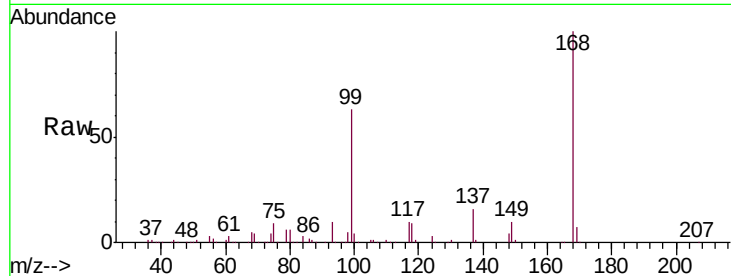




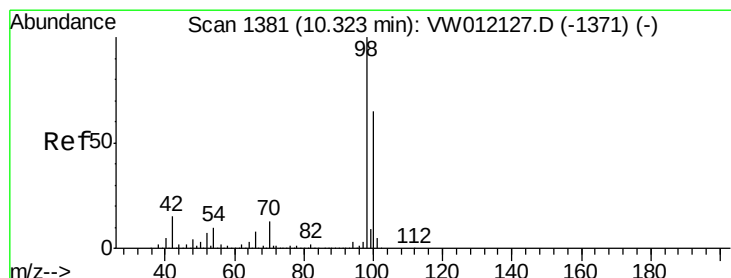
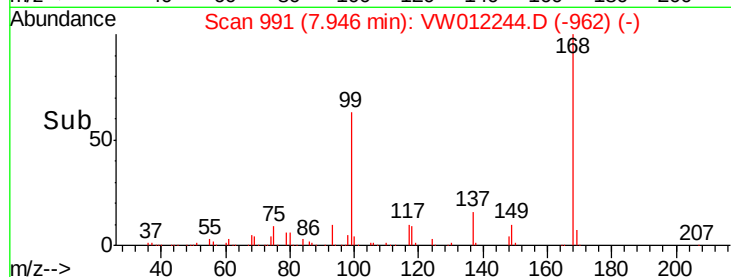
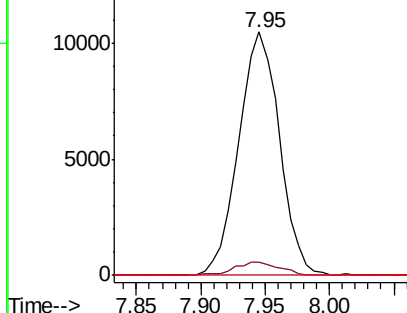
#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 22933
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 23.8 35.8#

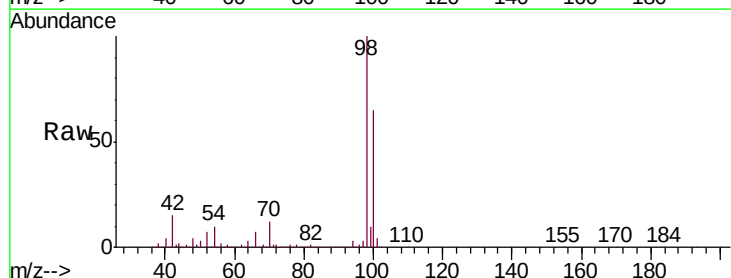


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

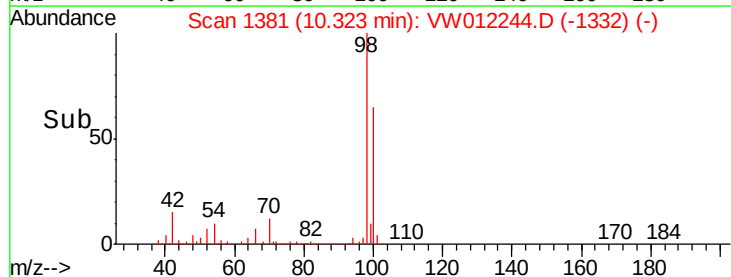
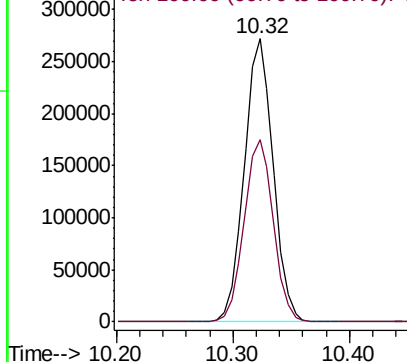


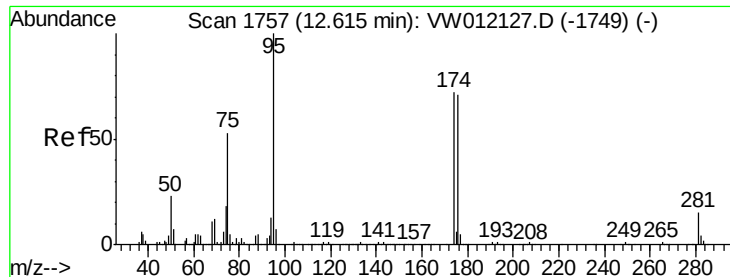
#50
Toluene-d8
Concen: 50.577 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Tgt Ion: 98 Resp: 469734
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

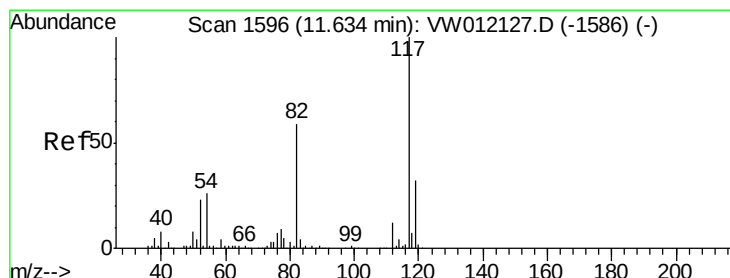
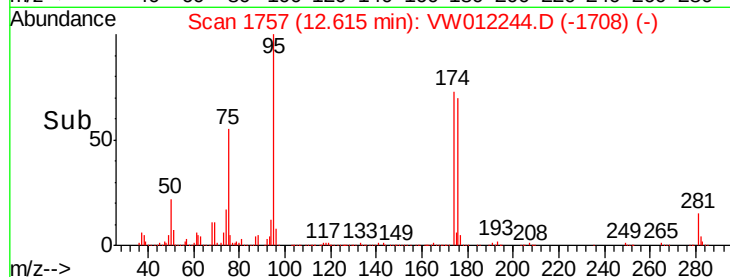
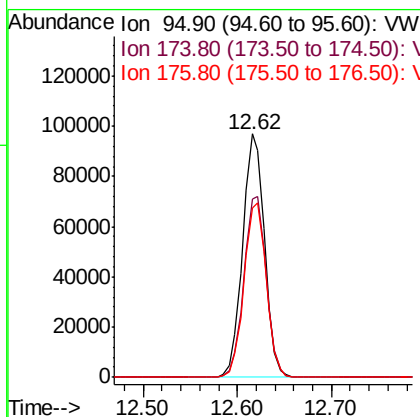
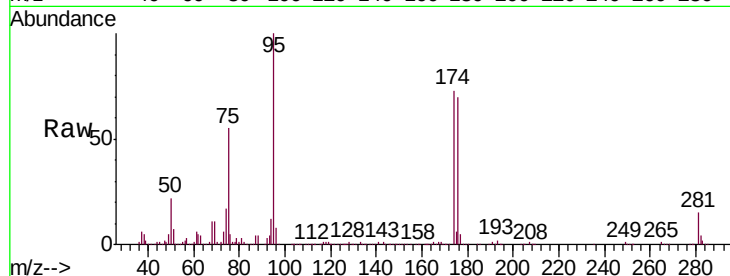




#62
4-Bromofluorobenzene
Concen: 47.800 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

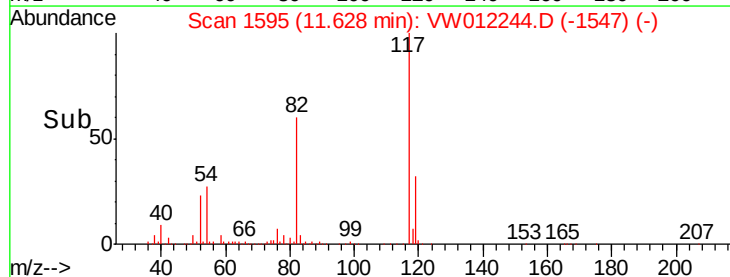
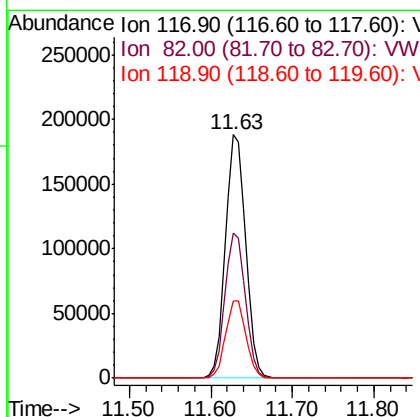
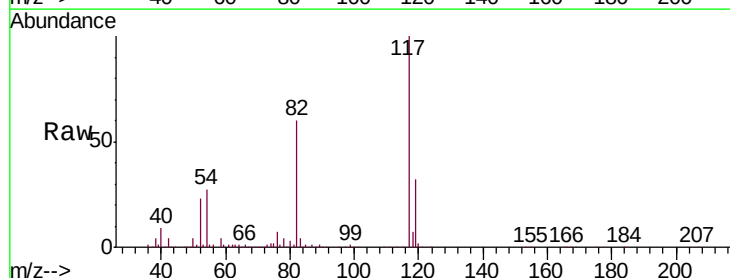
Instrument :
MSVOA_W
ClientSampleId :

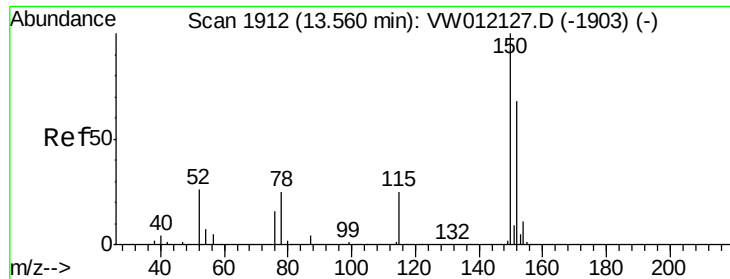
Tot Ion: 95 Resp: 156488
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.8
176 73.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Tgt Ion: 117 Resp: 320568
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.7 25.4 38.2



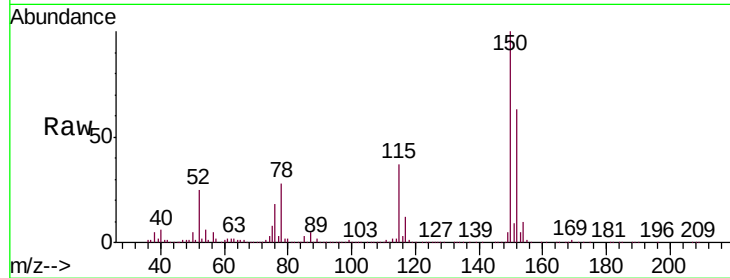


#72

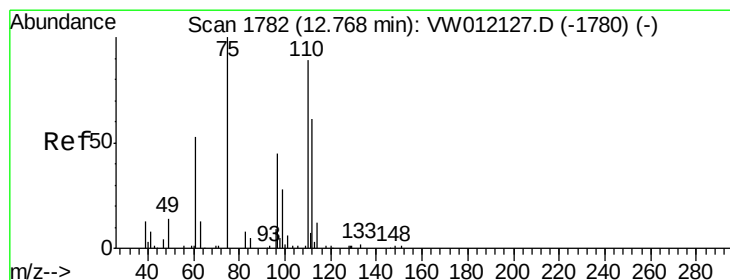
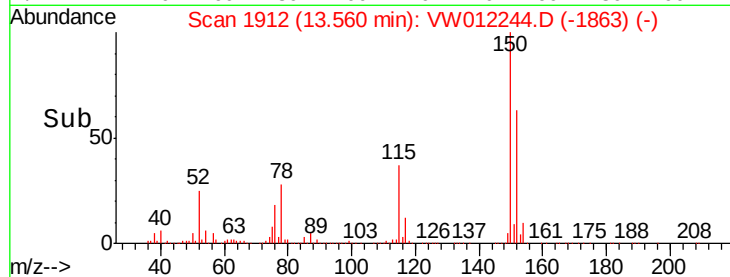
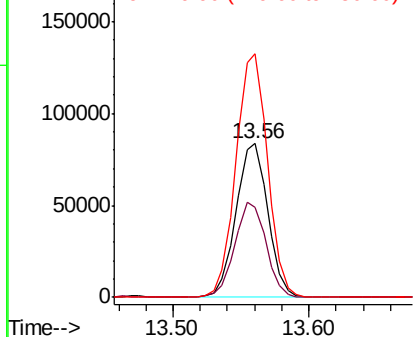
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.3
150	157.8	0.0	345.8



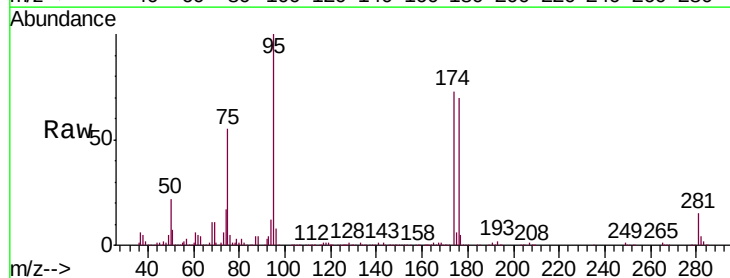
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



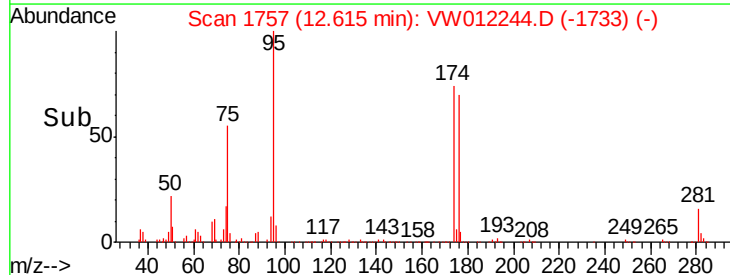
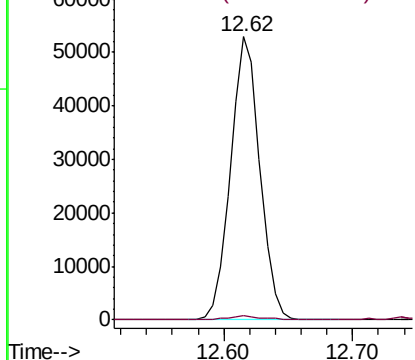
#76

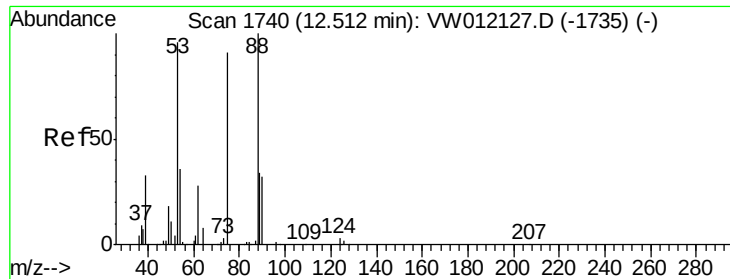
1,2,3-Trichloropropane
Concen: 63.075 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Tgt 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

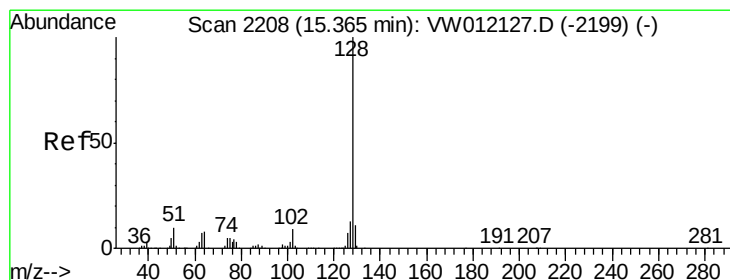
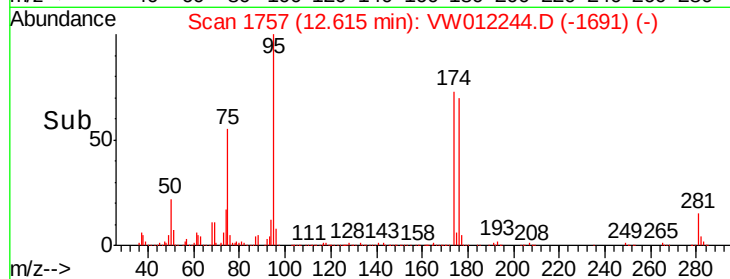
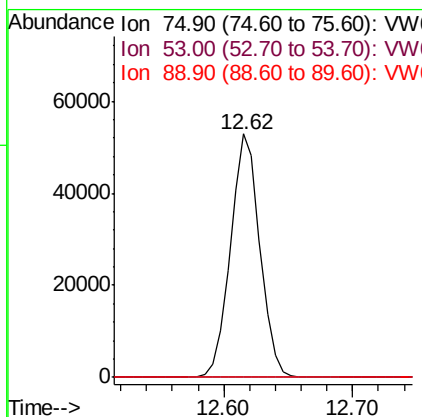
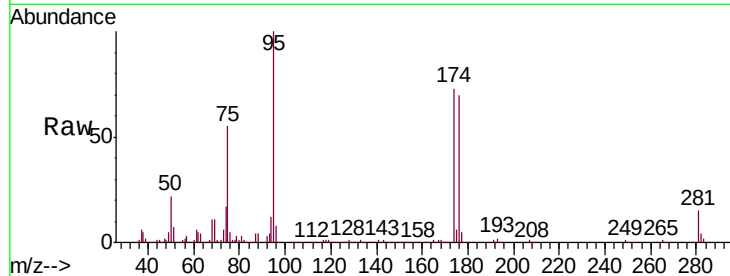




#81
trans-1,4-Dichloro-2-butene
Concen: 138.293 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 83413
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.4 34.5 51.7#



#95
Naphthalene
Concen: 4.768 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012244.D
Acq: 28 Aug 2019 10:47

Tgt Ion: 128 Resp: 2505
Ion Ratio Lower Upper
128 100
127 15.4 10.7 16.1
129 0.0 8.7 13.1#

