

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012634.D
 Acq On : 05 Sep 2019 12:15
 Operator : SY/VA
 Sample : K4547-06RE
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 15:46:48 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	221417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146500	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
35) Dibromofluoromethane	7.88	113	112632	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.32	98	413947	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.62	95	108962	35.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.54%	

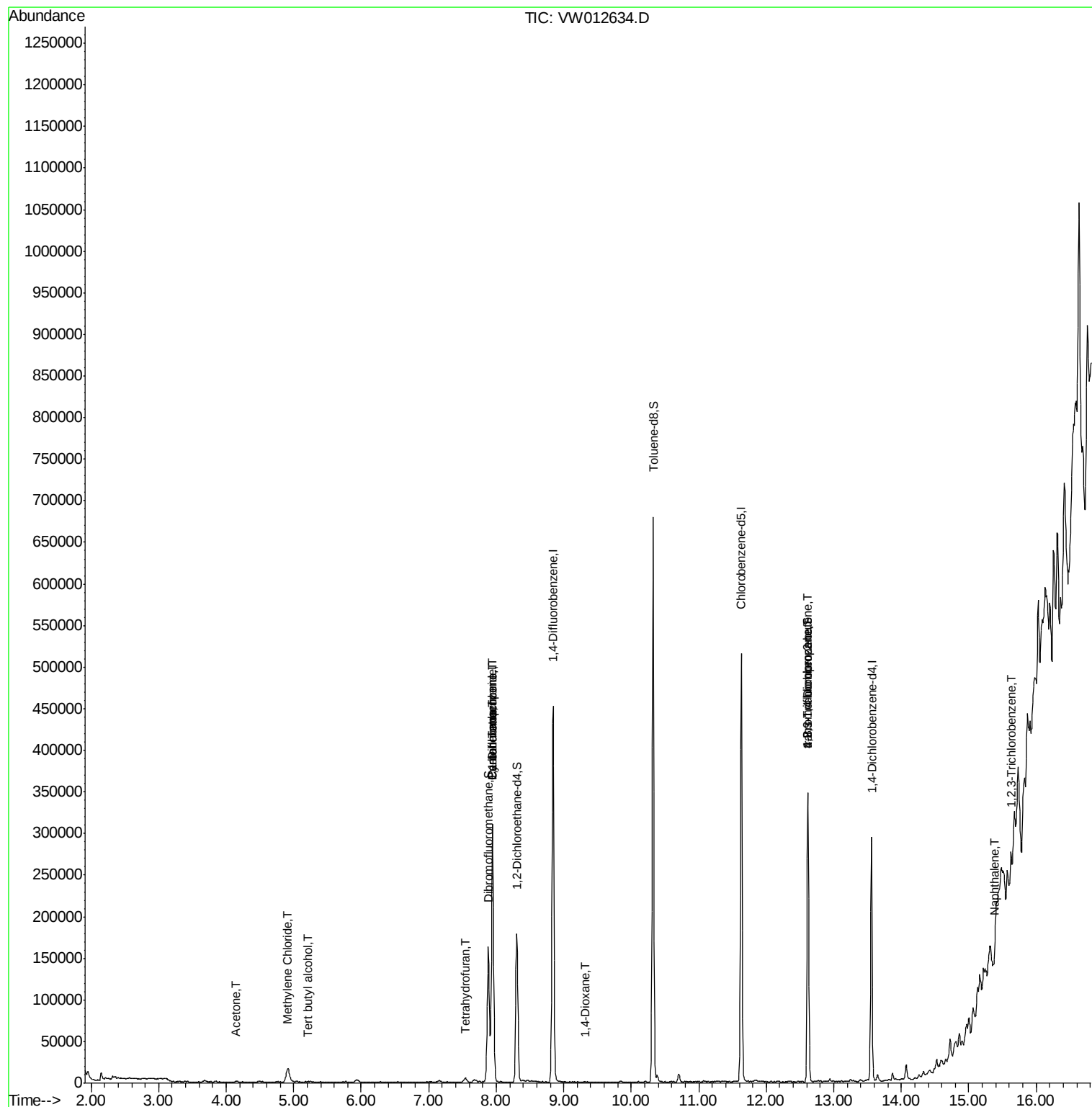
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.20	59	595	3.756	ug/l	96
16) Acetone	4.15	43	1701	2.528	ug/l	92
20) Methylene Chloride	4.91	84	12000	4.718	ug/l	95
29) Tetrahydrofuran	7.54	42	4612	8.408	ug/l	99
31) Cyclohexane	7.95	56	5743	1.211	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	18057	4.894	ug/l #	54
38) Carbon Tetrachloride	7.95	117	22507	7.049	ug/l #	16
49) 1,4-Dioxane	9.32	88	22	1.191	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	59981	83.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59981	182.880	ug/l #	6
95) Naphthalene	15.37	128	2056	4.996	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.63	180	1708	1.379	ug/l	66

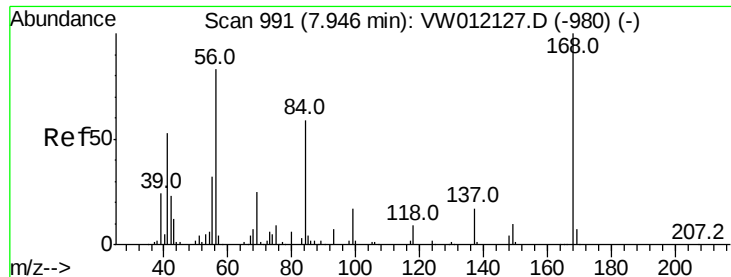
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\
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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: VW012634.D

Acq: 05 Sep 2019 12:15

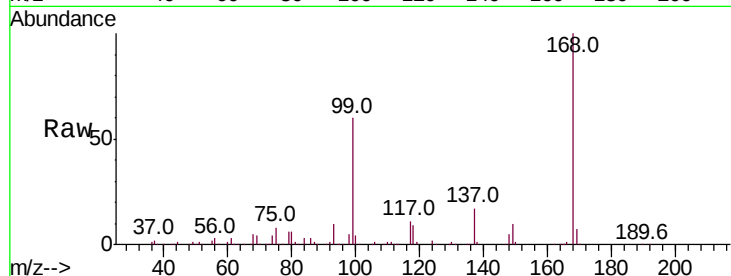
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 221417

Ion Ratio Lower Upper

168 100

99 60.4 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

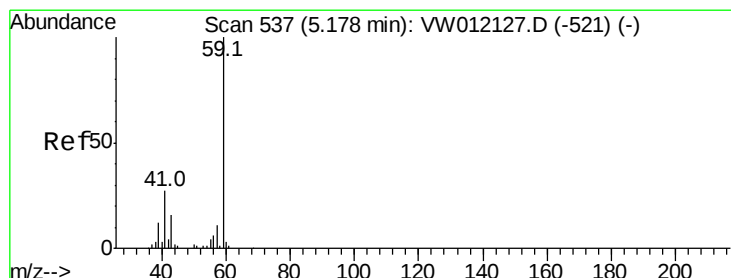
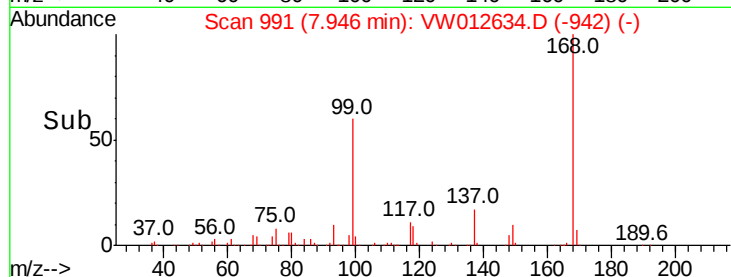
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.756 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012634.D

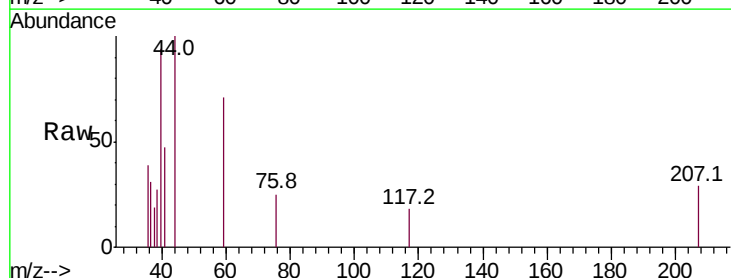
Acq: 05 Sep 2019 12:15

Tgt Ion: 59 Resp: 595

Ion Ratio Lower Upper

59 100

57 9.7 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

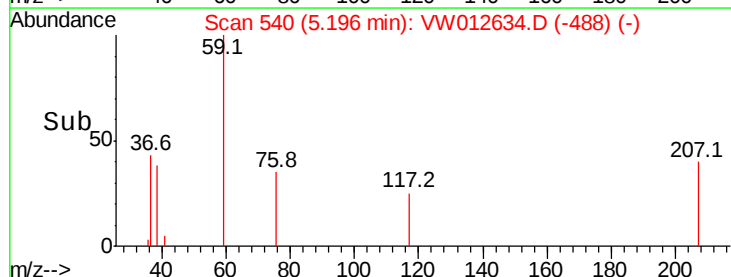
300

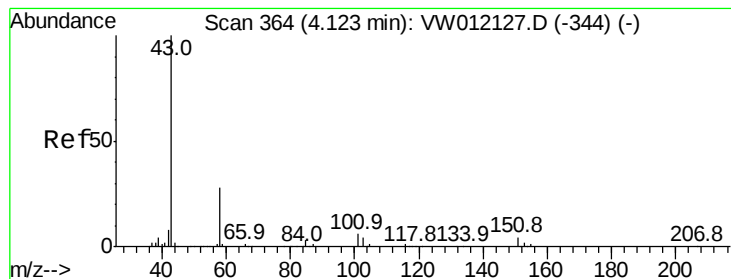
200

100

0

Time--> 5.15 5.20





#16

Acetone

Concen: 2.528 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

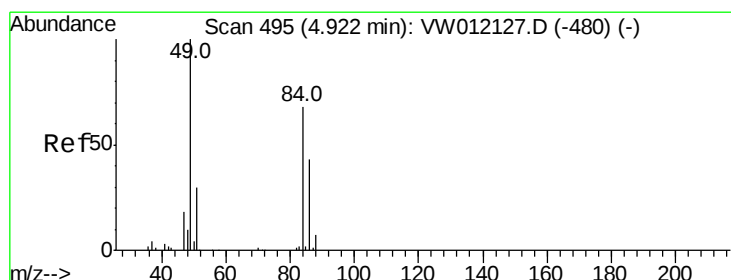
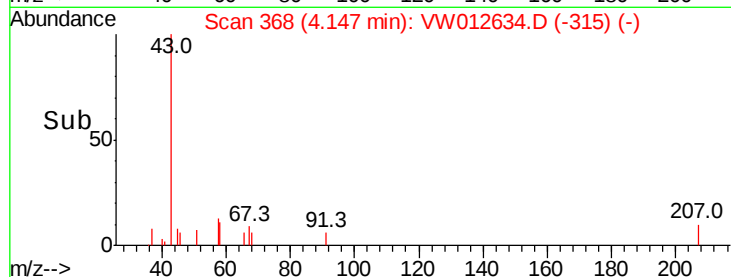
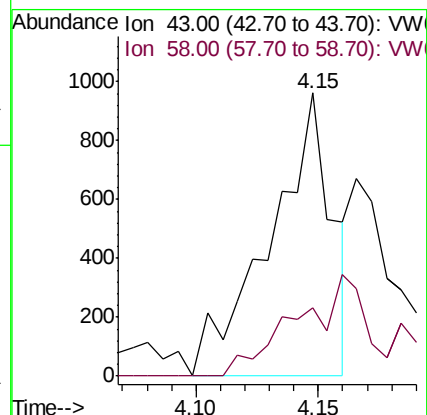
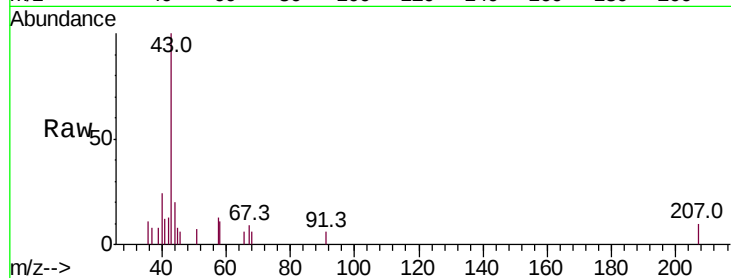
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

58 23.9 22.4 33.6



#20

Methylene Chloride

Concen: 4.718 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

Tgt Ion: 84 Resp: 12000

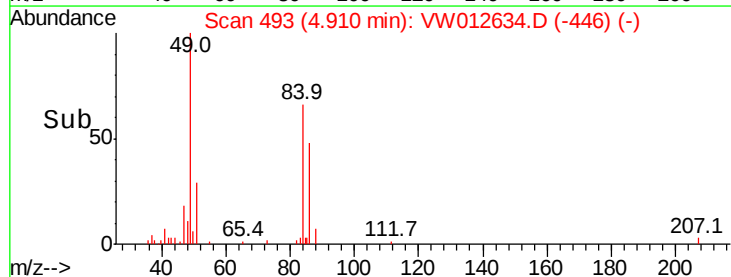
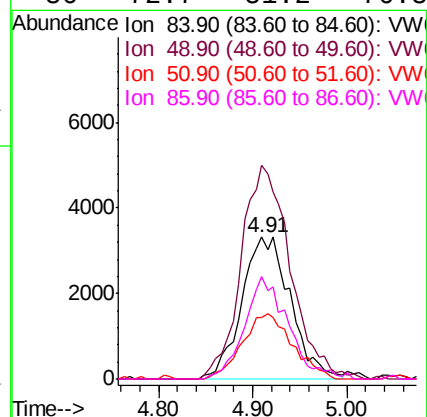
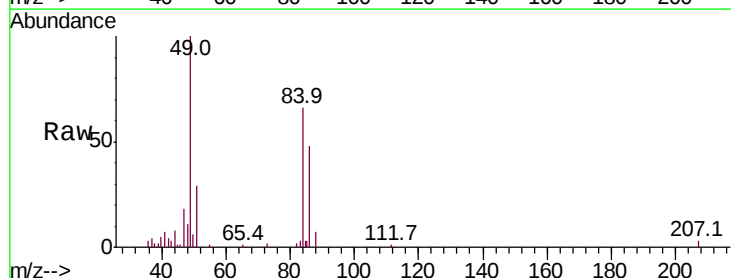
Ion Ratio Lower Upper

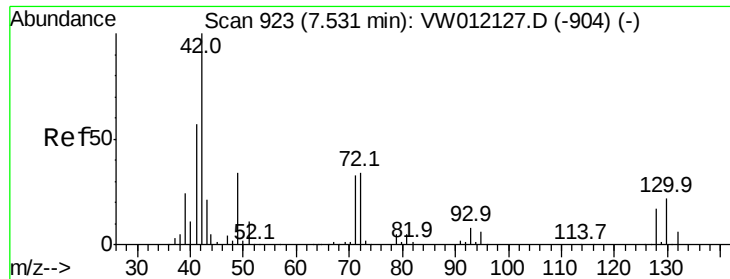
84 100

49 150.7 117.8 176.8

51 43.0 35.6 53.4

86 72.7 51.2 76.8

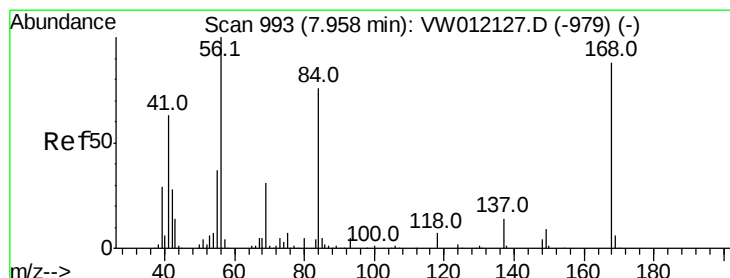
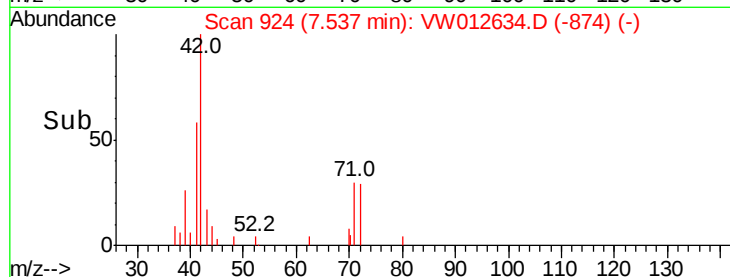
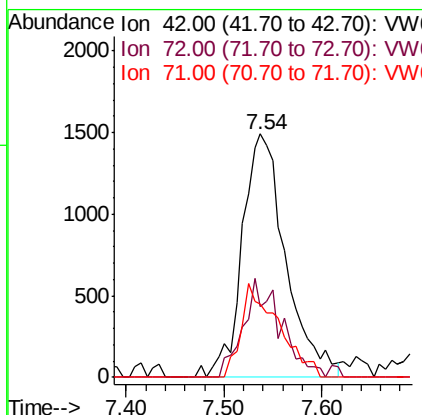
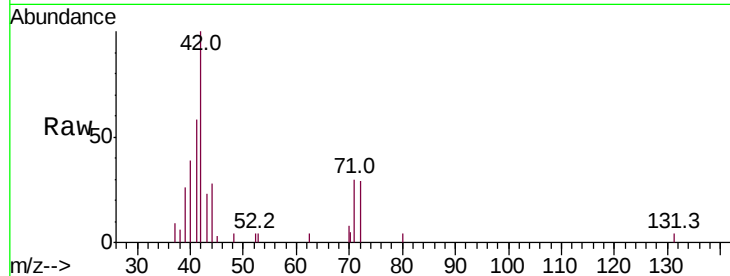




#29
Tetrahydrofuran
Concen: 8.408 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

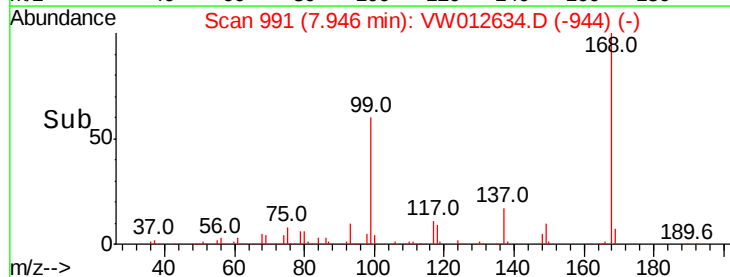
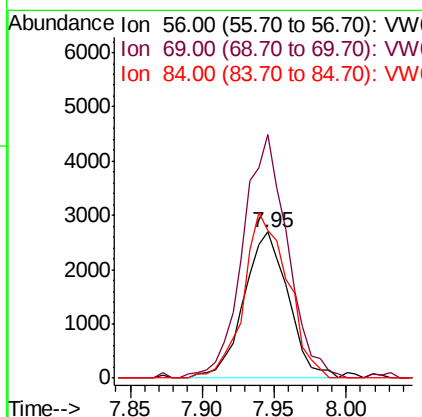
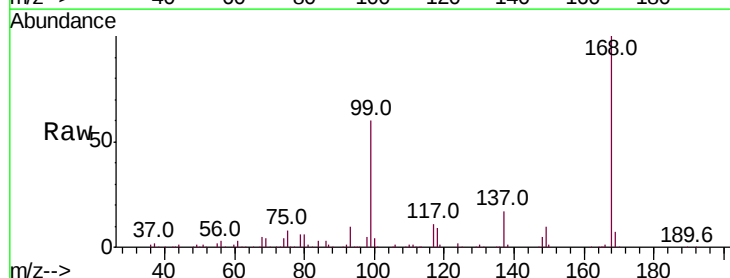
Instrument :
MSVOA_W
ClientSampleId :

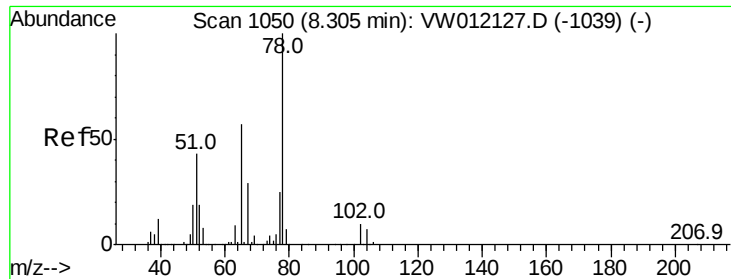
Tot Ion: 42 Resp: 4612
Ion Ratio Lower Upper
42 100
72 34.8 27.3 40.9
71 32.9 25.5 38.3



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Tgt Ion: 56 Resp: 5743
Ion Ratio Lower Upper
56 100
69 164.5 24.9 37.3#
84 101.6 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 55.659 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

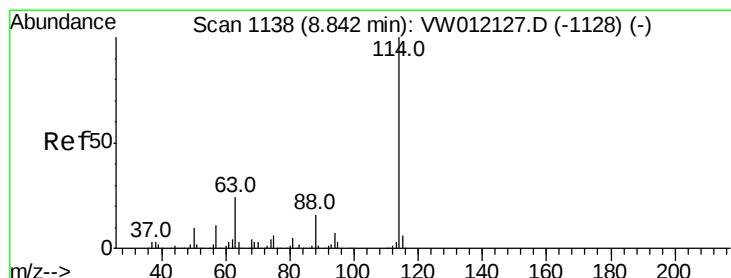
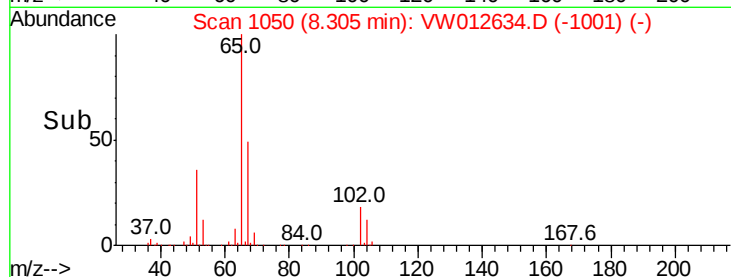
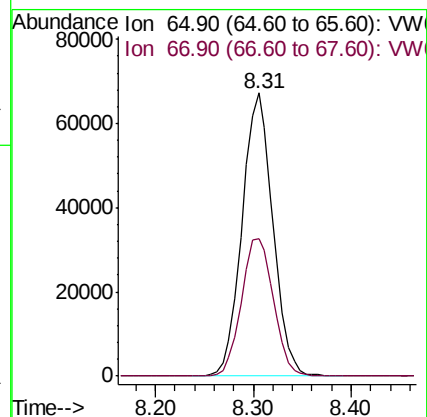
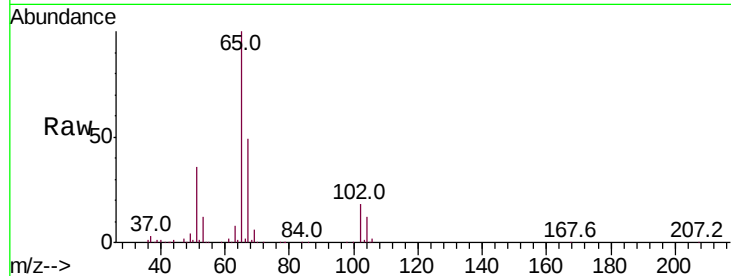
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 146500

Ion Ratio Lower Upper

65 100

67 50.8 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: VW012634.D

Acq: 05 Sep 2019 12:15

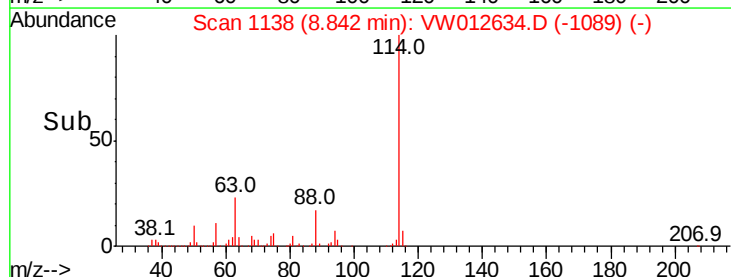
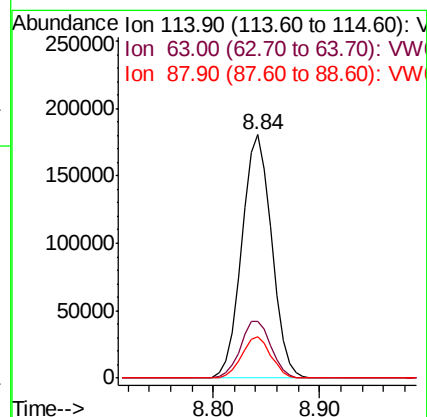
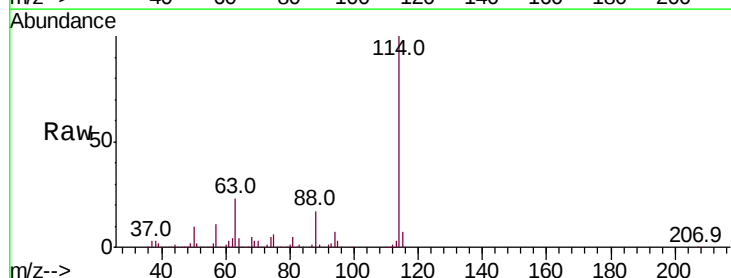
Tgt Ion: 114 Resp: 357006

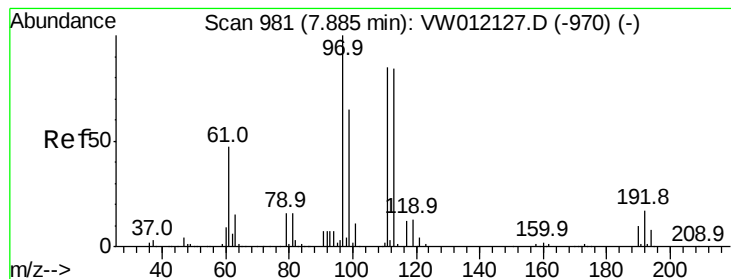
Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.6

88 17.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.855 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

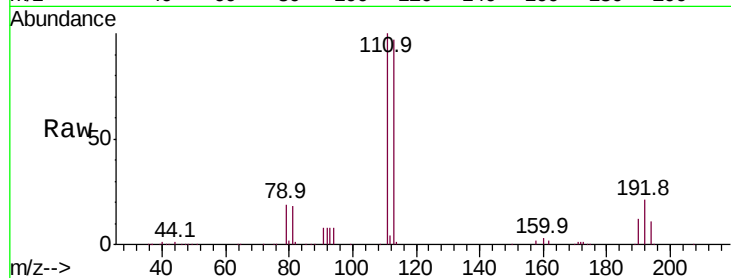
Tot Ion:113 Resp: 112632

Ion Ratio Lower Upper

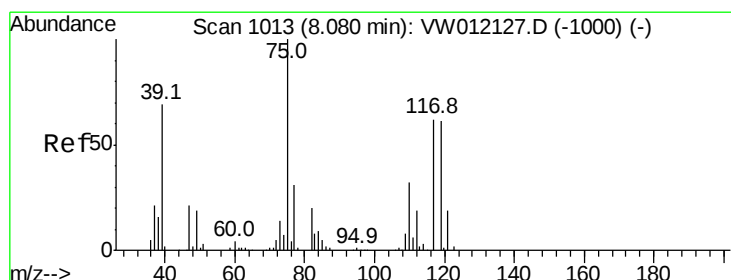
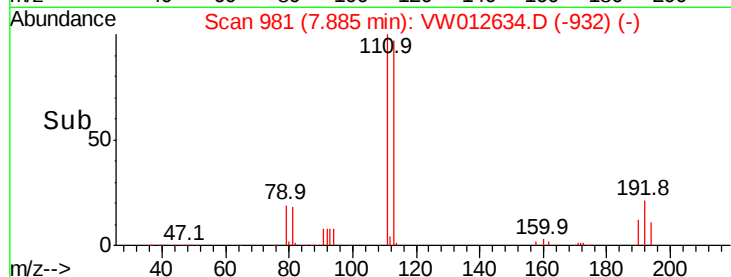
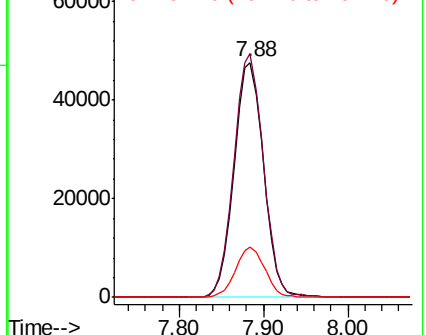
113 100

111 103.9 82.7 124.1

192 21.2 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: 4.894 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

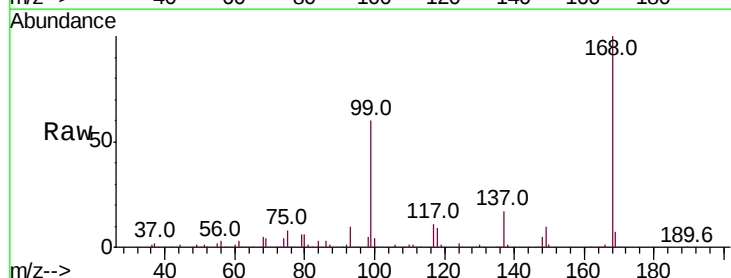
Tgt Ion: 75 Resp: 18057

Ion Ratio Lower Upper

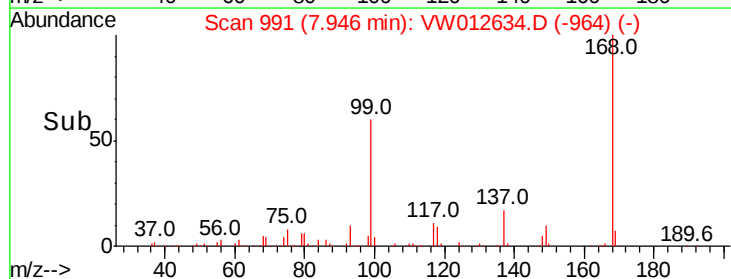
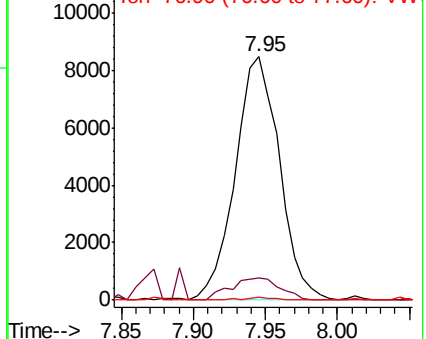
75 100

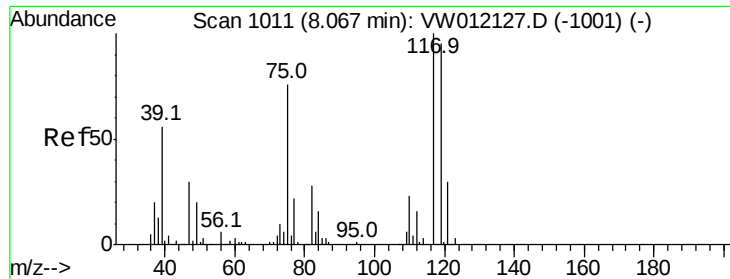
110 10.4 15.6 46.8#

77 0.7 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

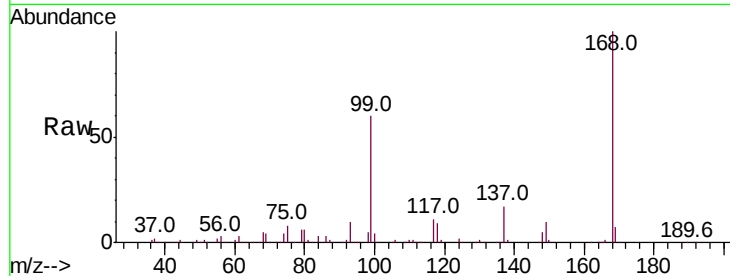
Tot Ion:117 Resp: 22507

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

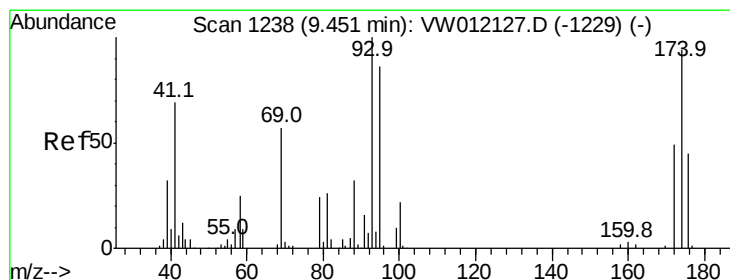
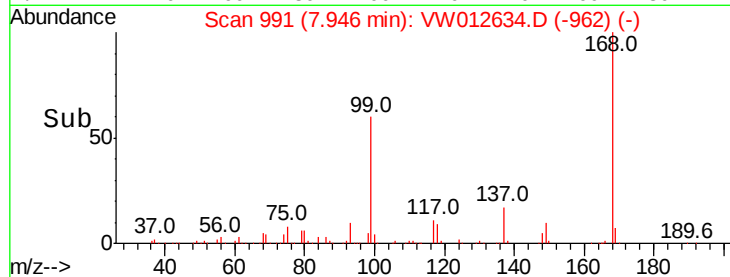
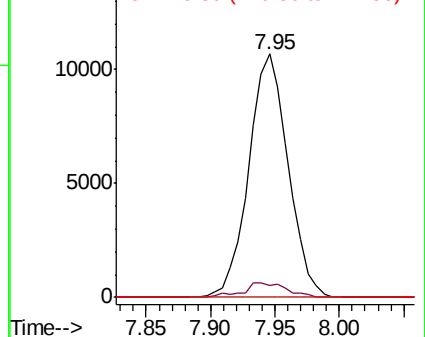
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.191 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.13 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

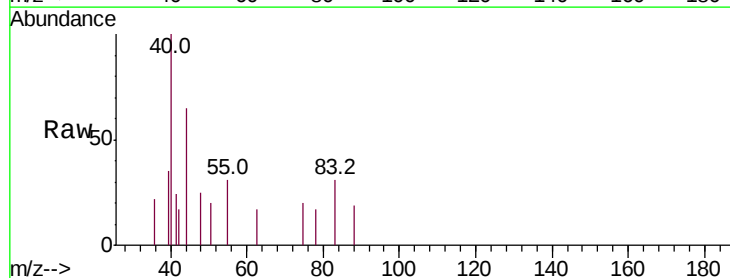
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 427.3 32.9 49.3#

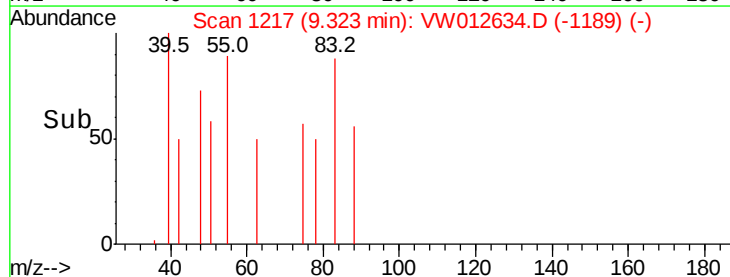
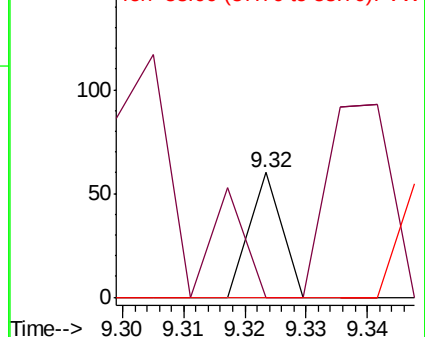
58 0.0 71.0 106.4#

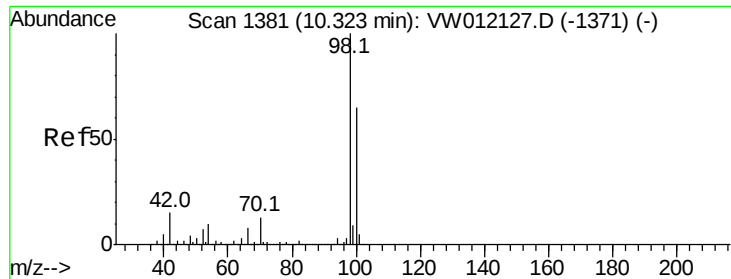


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

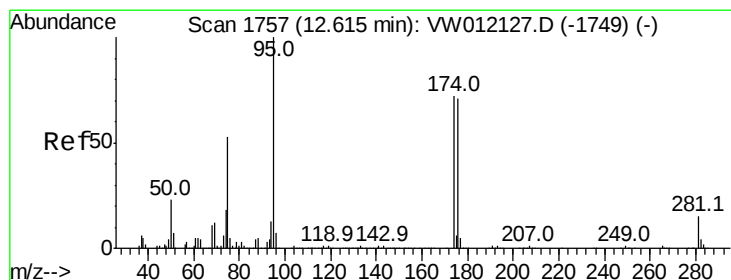
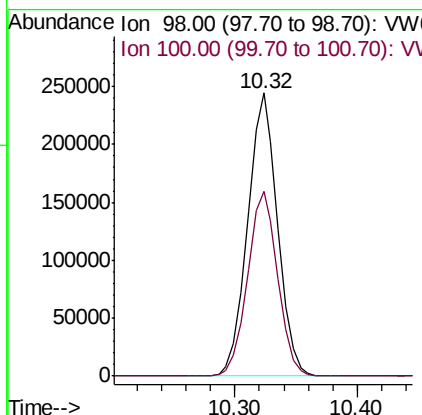
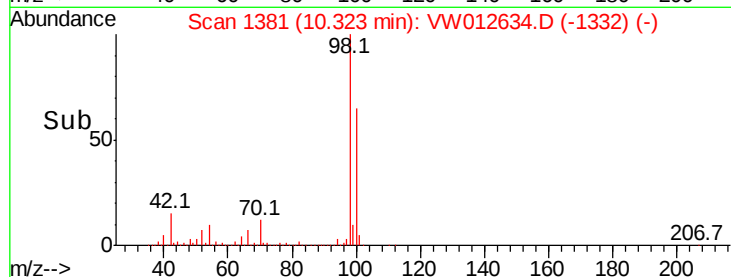
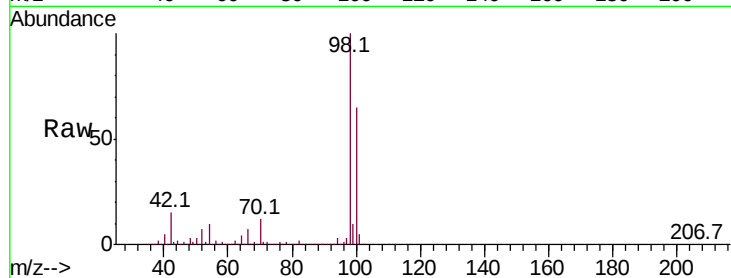




#50
Toluene-d8
Concen: 47.908 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

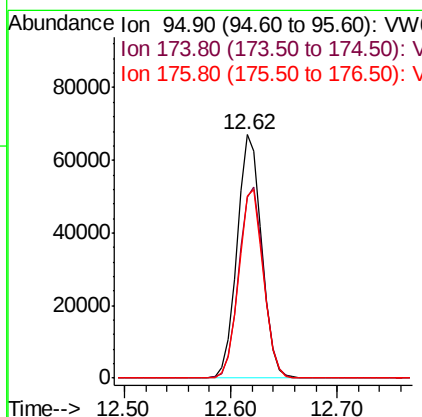
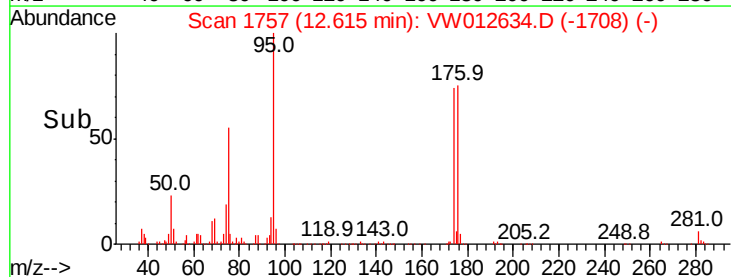
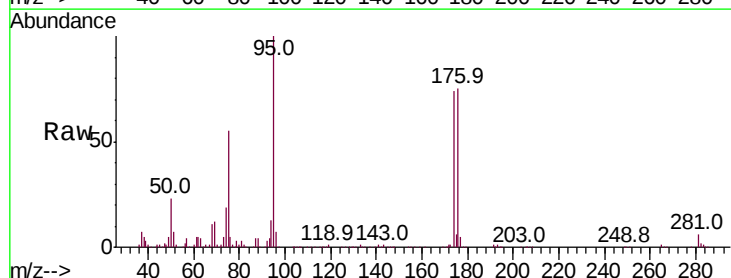
Instrument :
MSVOA_W
ClientSampled :

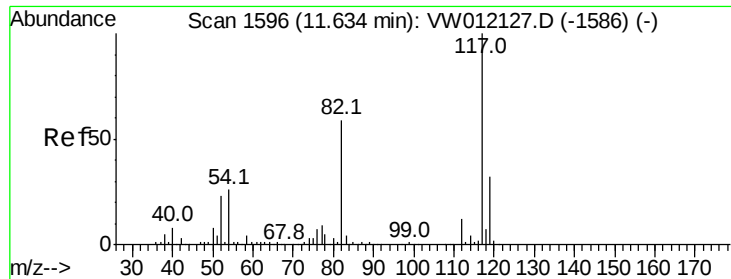
Tot Ion: 98 Resp: 413947
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 35.775 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Tgt Ion: 95 Resp: 108962
Ion Ratio Lower Upper
95 100
174 79.1 0.0 150.8
176 77.3 0.0 148.6

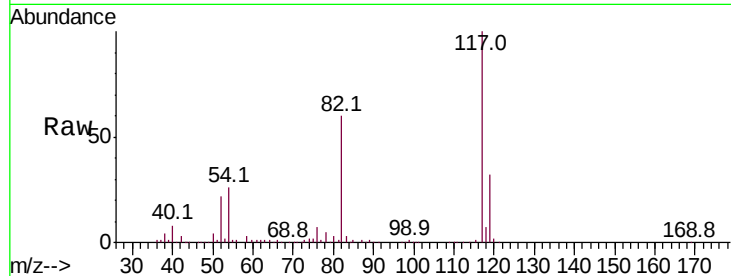




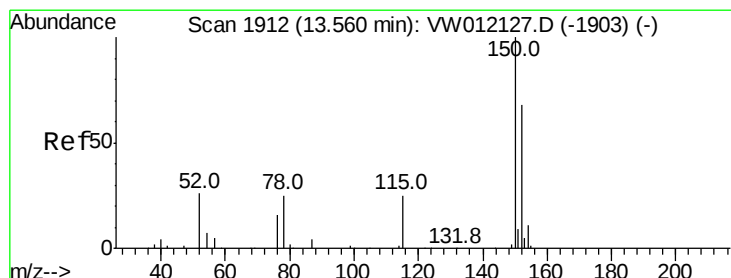
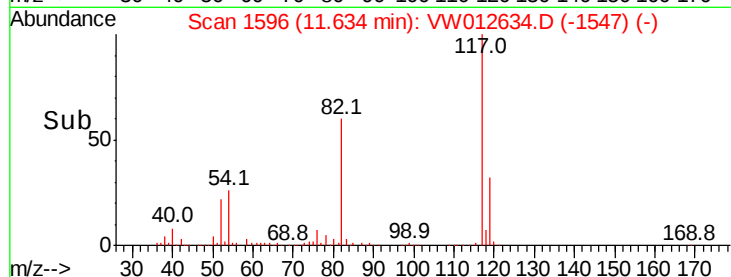
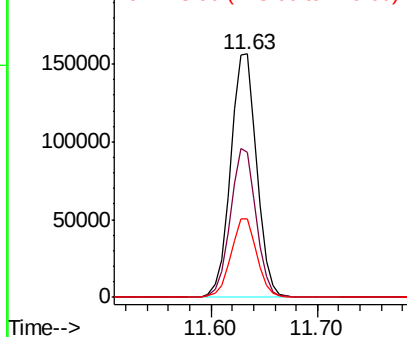
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 269301
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.3 25.4 38.2

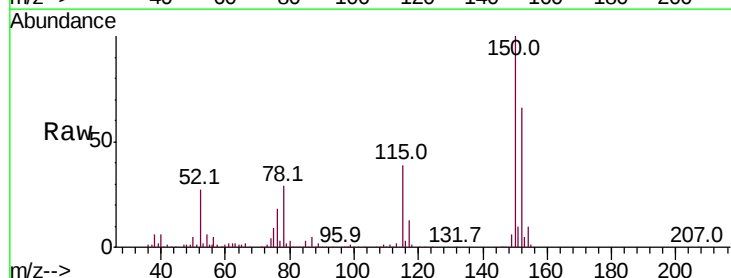


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

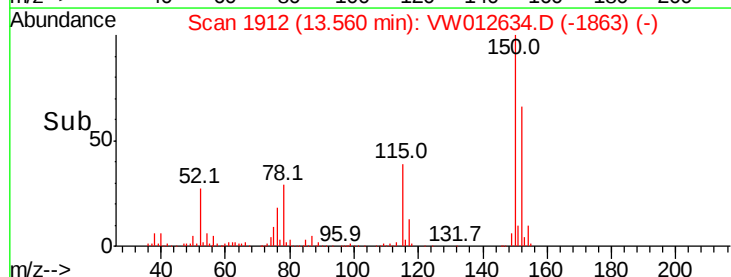
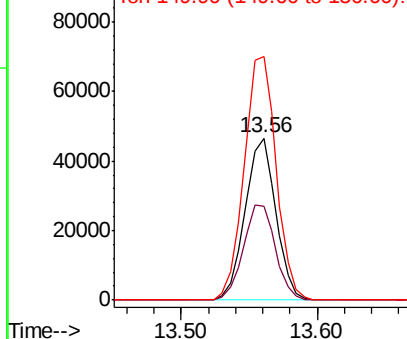


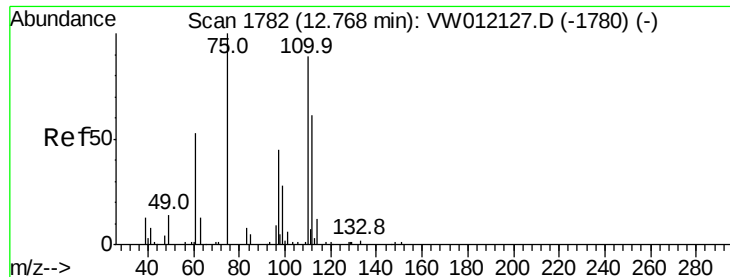
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Tgt Ion:152 Resp: 73836
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 156.9 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: 83.410 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

Instrument :

MSVOA_W

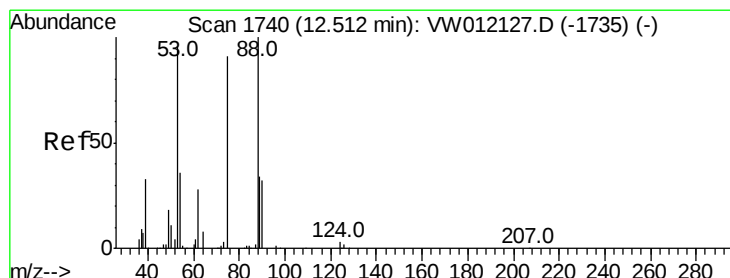
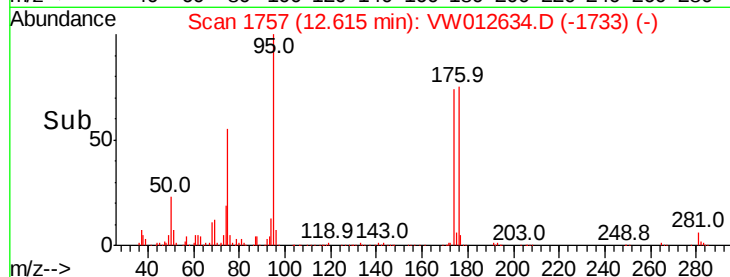
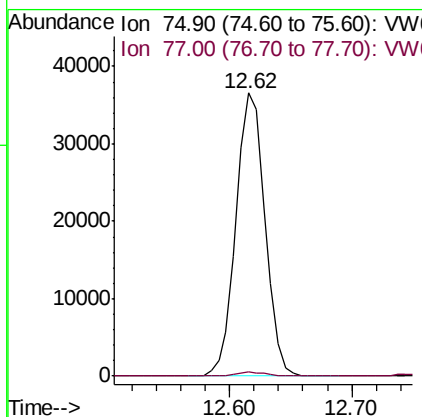
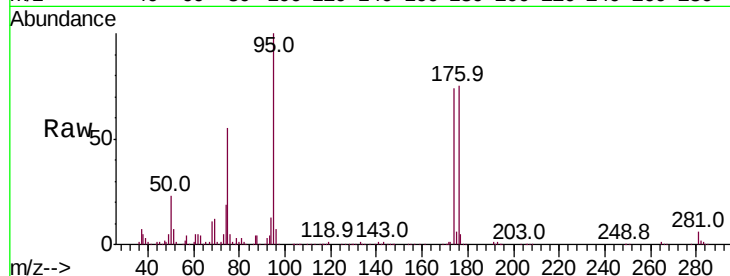
ClientSampleId :

Tot Ion: 75 Resp: 59981

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 182.880 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012634.D

Acq: 05 Sep 2019 12:15

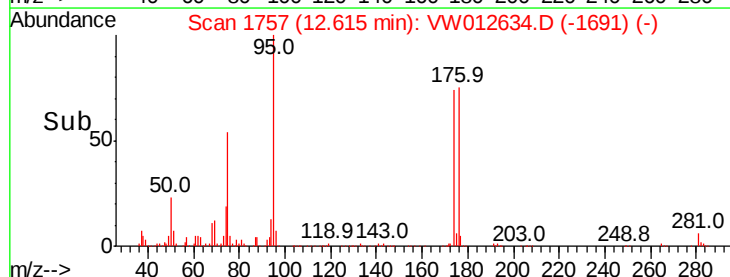
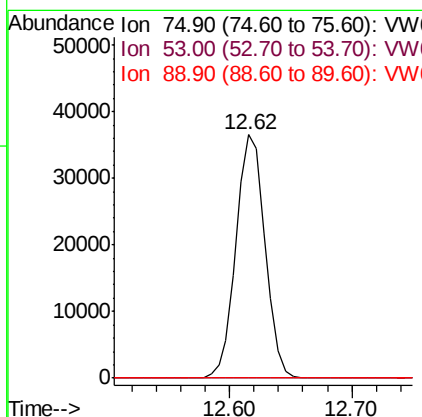
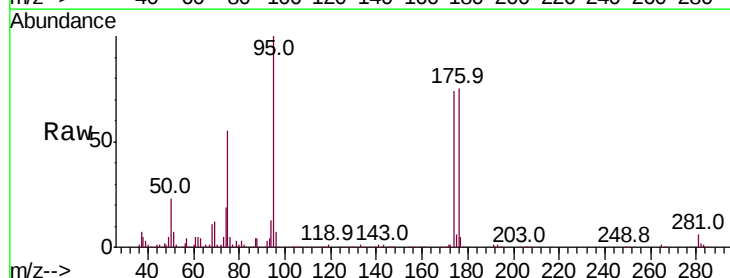
Tgt Ion: 75 Resp: 59981

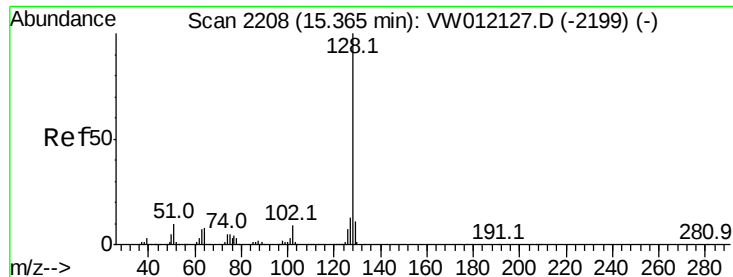
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#

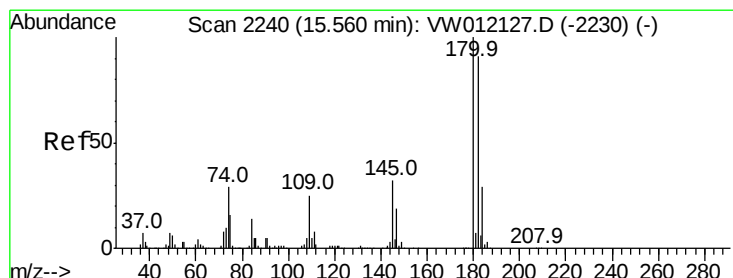
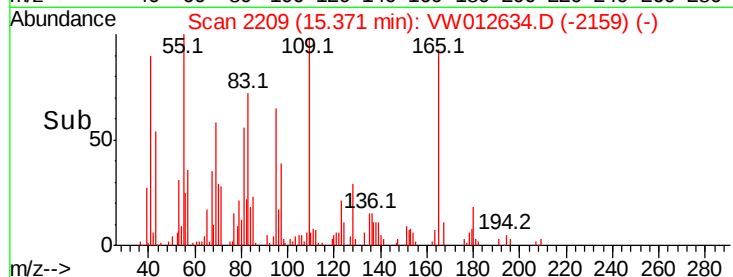
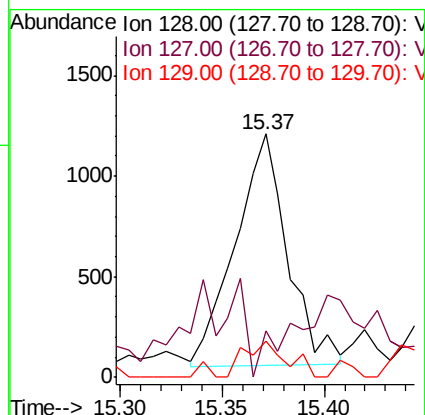
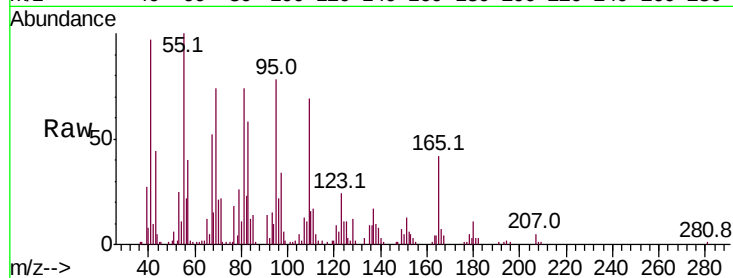




#95
Naphthalene
Concen: 4.996 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 2056
Ion Ratio Lower Upper
128 100
127 31.6 10.7 16.1#
129 12.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.379 ug/l
RT: 15.63 min Scan# 2251
Delta R.T. 0.07 min
Lab File: VW012634.D
Acq: 05 Sep 2019 12:15

Tgt Ion:180 Resp: 1708
Ion Ratio Lower Upper
180 100
182 51.6 47.1 141.3
145 35.1 16.2 48.5

