

Data File : VW012688.D
Acq On : 06 Sep 2019 13:50
Operator : SY/VA
Sample : K4581-04RE
Misc : 3.65G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

Quant Time: Sep 07 04:38:44 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	234969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	95417	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	142457	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.88	113	107281	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.32	98	418387	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.62	95	117655	38.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.48%	

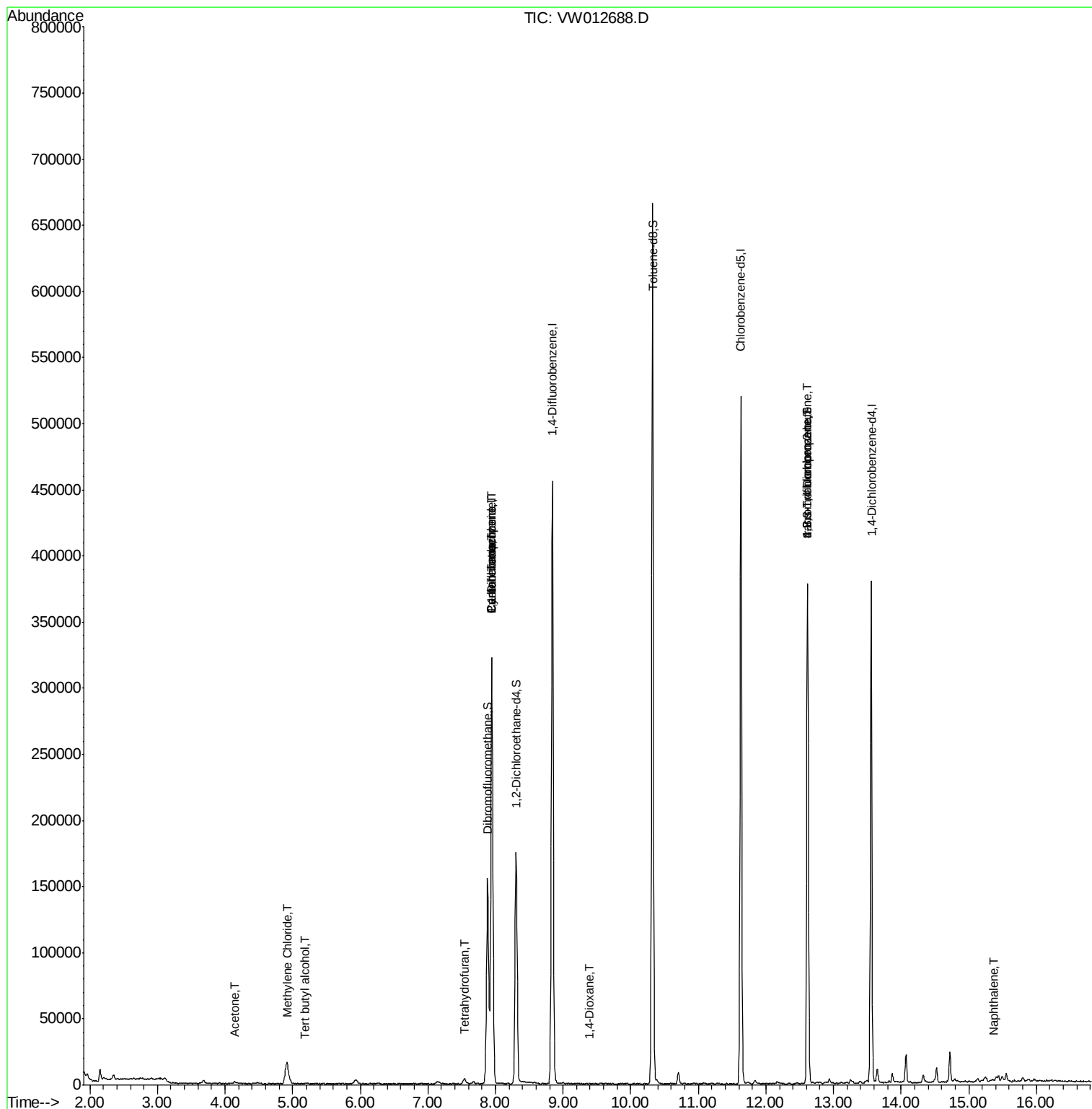
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.18	59	422	2.511	ug/l #	71
16) Acetone	4.15	43	2482	3.476	ug/l	95
20) Methylene Chloride	4.92	84	12312	4.561	ug/l	94
29) Tetrahydrofuran	7.54	42	4052	6.961	ug/l	98
31) Cyclohexane	7.94	56	5901	1.173	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	19440	5.216	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23411	7.257	ug/l #	17
49) 1,4-Dioxane	9.39	88	53	2.841	ug/l #	33
76) 1,2,3-Trichloropropane	12.62	75	64708	69.631	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64708	152.669	ug/l #	6
95) Naphthalene	15.37	128	1273	4.644	ug/l #	74

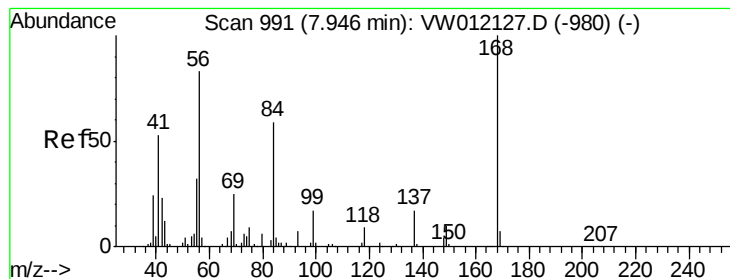
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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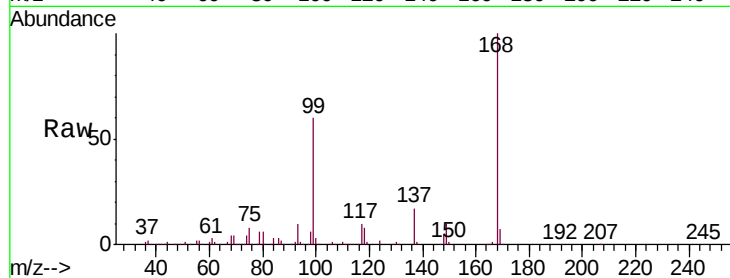
Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

Tgt Ion:168 Resp: 234969

Ion Ratio Lower Upper

168 100

99 60.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

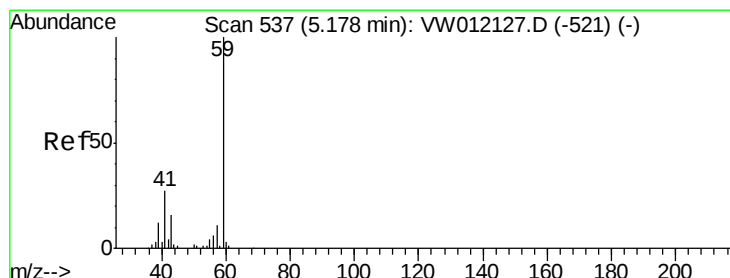
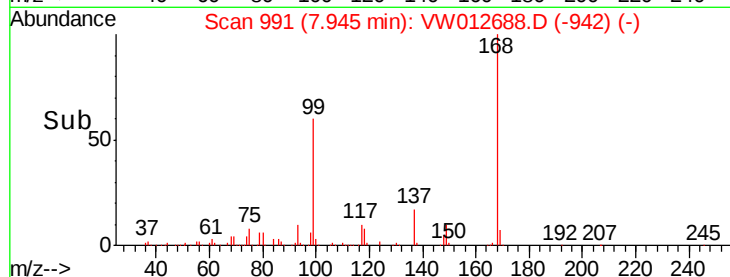
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.511 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012688.D

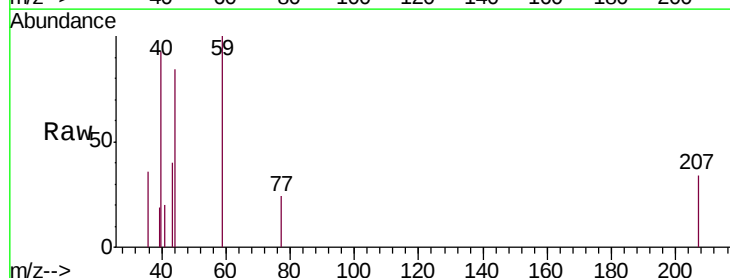
Acq: 06 Sep 2019 13:50

Tgt Ion: 59 Resp: 422

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

5.18

300

250

200

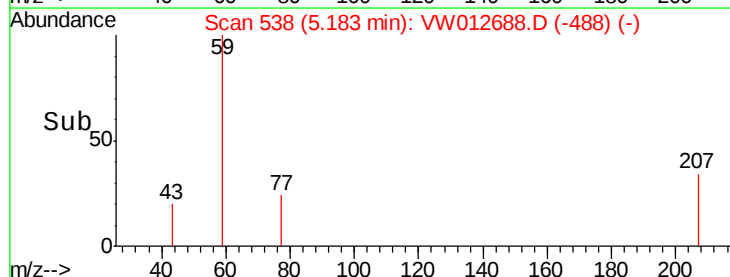
150

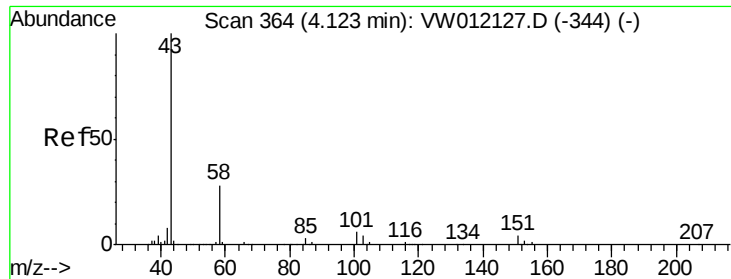
100

50

0

Time--> 5.16 5.18 5.20 5.22





#16

Acetone

Concen: 3.476 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

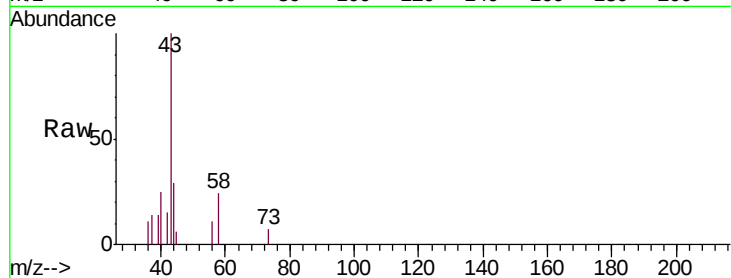
T12-C2-(0)

Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

43 100

58 25.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

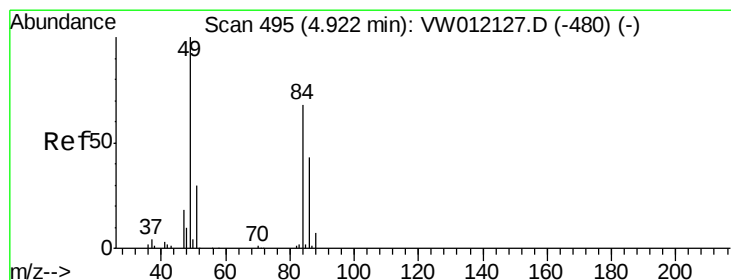
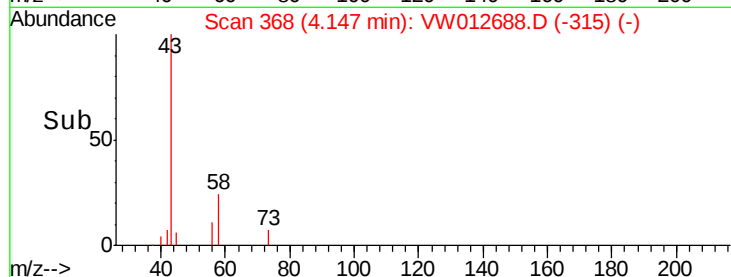
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 4.561 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

Tgt Ion: 84 Resp: 12312

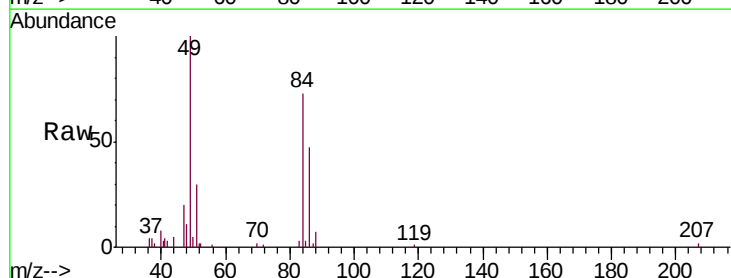
Ion Ratio Lower Upper

84 100

49 136.8 117.8 176.8

51 40.9 35.6 53.4

86 65.0 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

8000

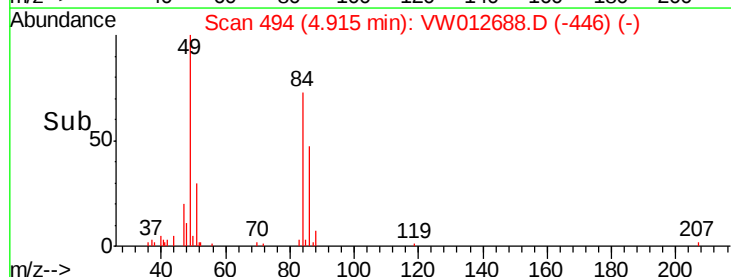
6000

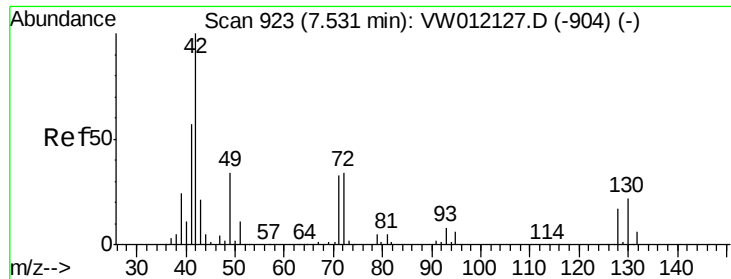
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 6.961 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

T12-C2-(0)

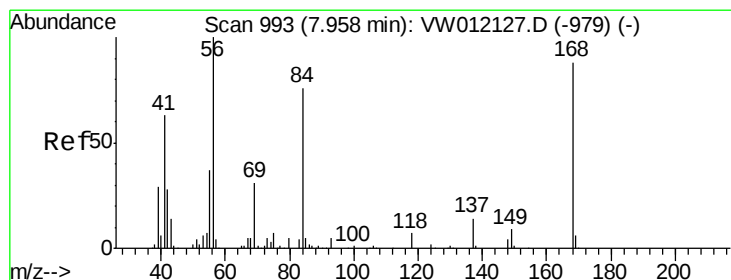
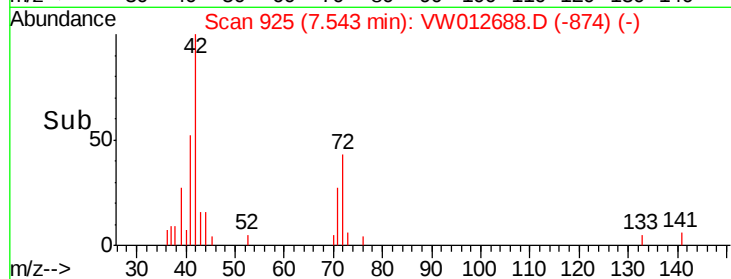
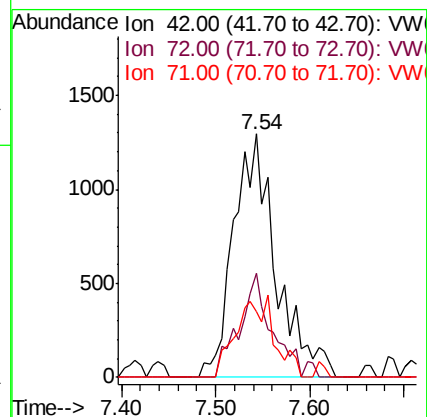
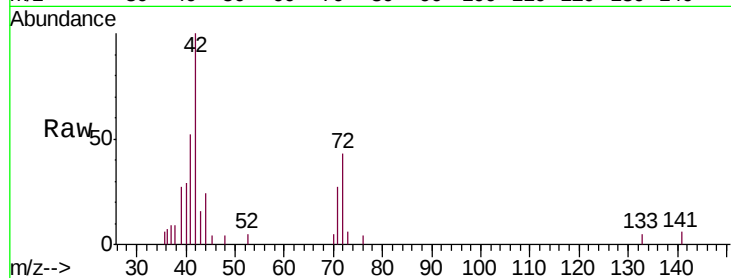
Tgt Ion: 42 Resp: 4052

Ion Ratio Lower Upper

42 100

72 33.8 27.3 40.9

71 29.6 25.5 38.3



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

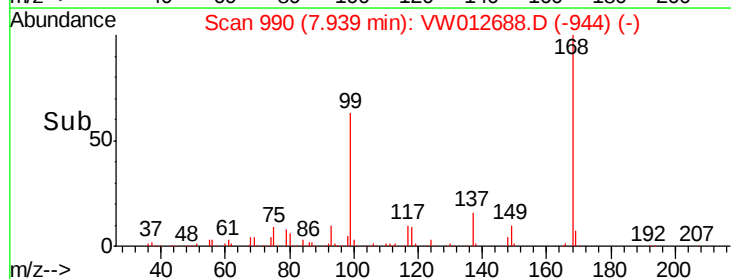
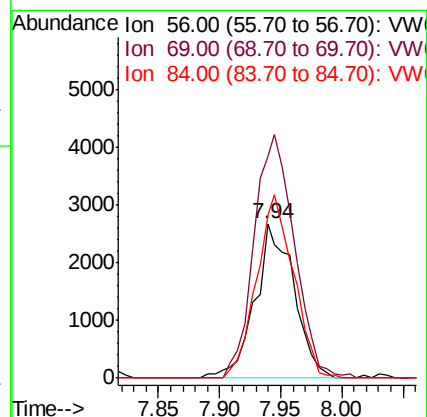
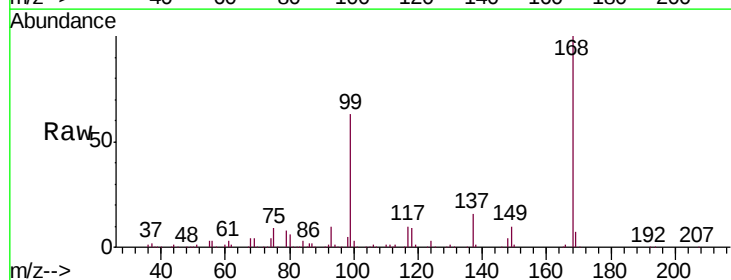
Tgt Ion: 56 Resp: 5901

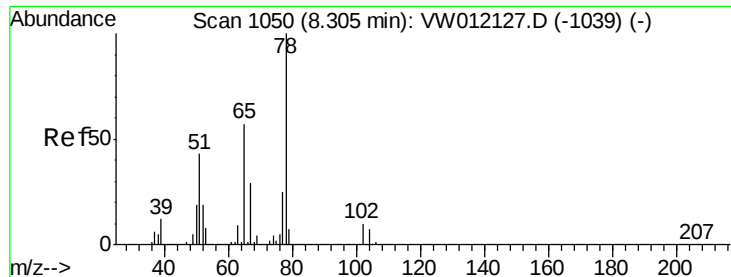
Ion Ratio Lower Upper

56 100

69 143.2 24.9 37.3#

84 105.4 60.6 90.8#

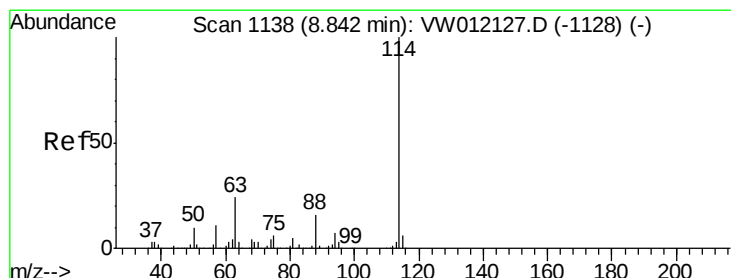
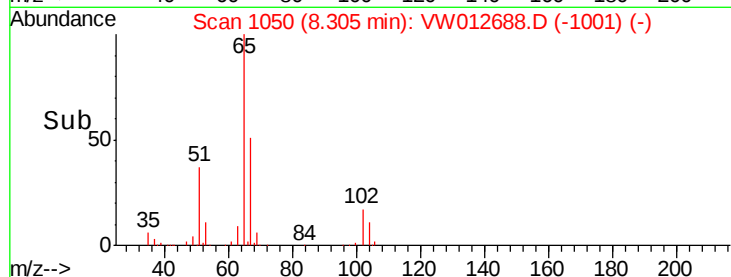
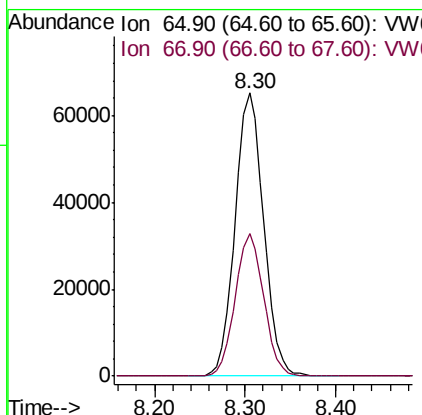
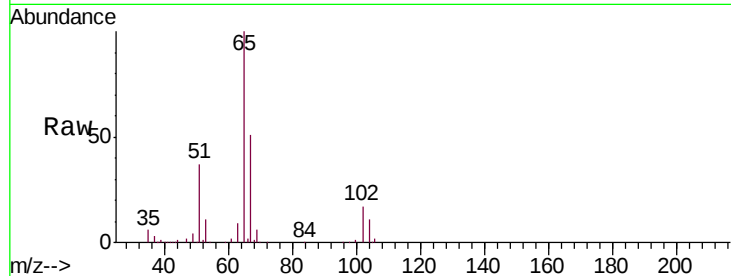




#33
 1,2-Dichloroethane-d4
 Concen: 51.001 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

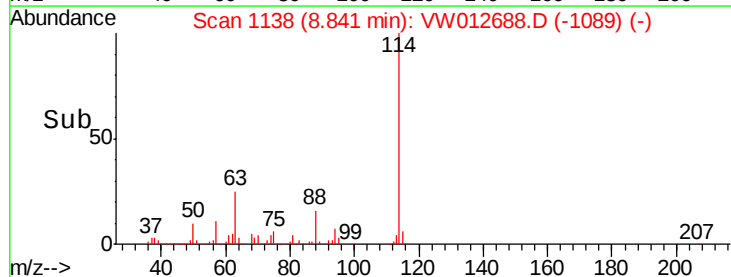
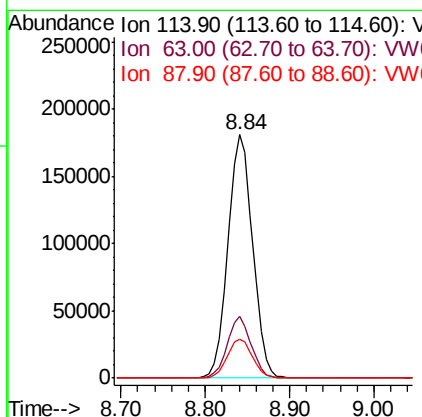
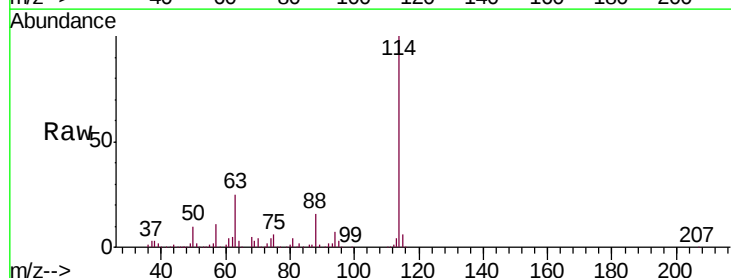
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C2-(0)

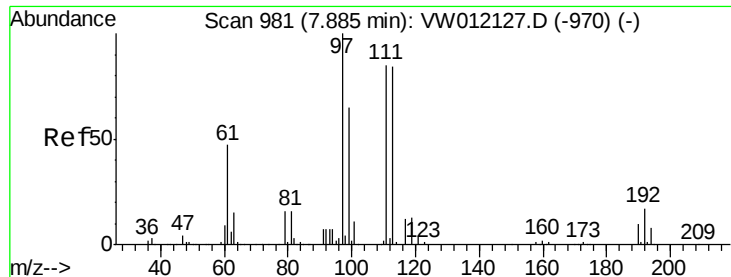
Tgt Ion: 65 Resp: 142457
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

Tgt Ion: 114 Resp: 360682
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 16.2 0.0 32.2

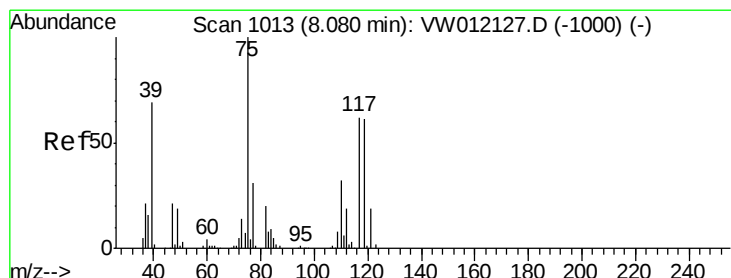
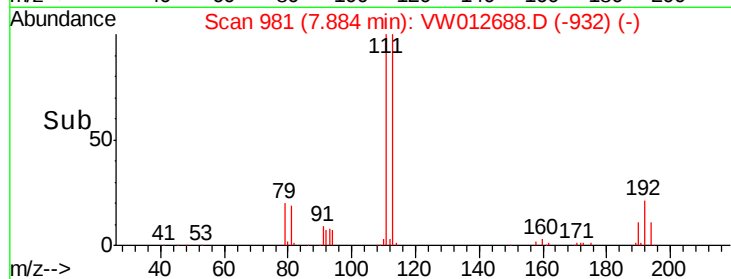
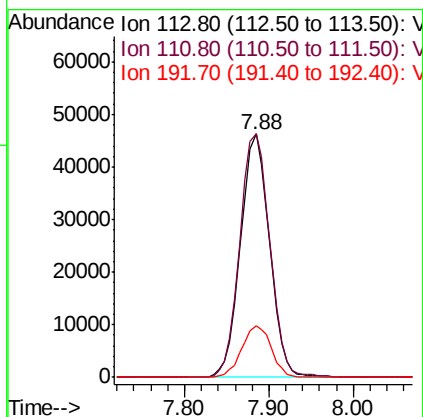
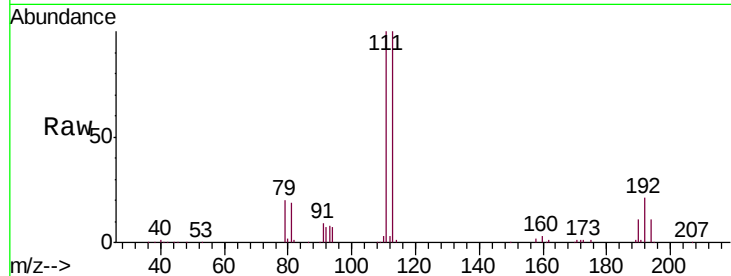




#35
 Dibromofluoromethane
 Concen: 49.830 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

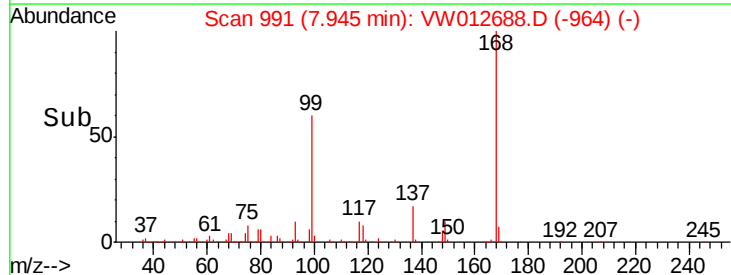
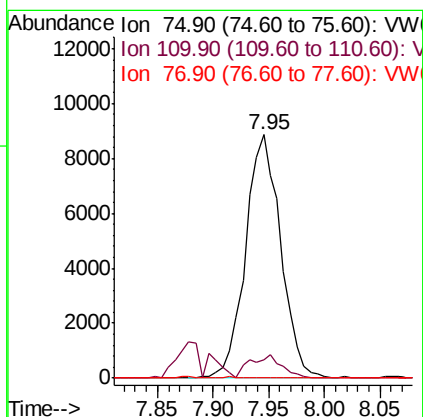
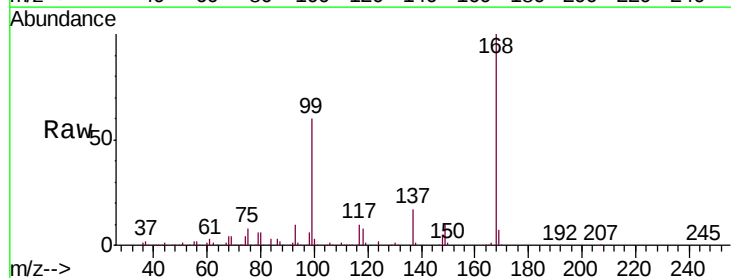
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C2-(0)

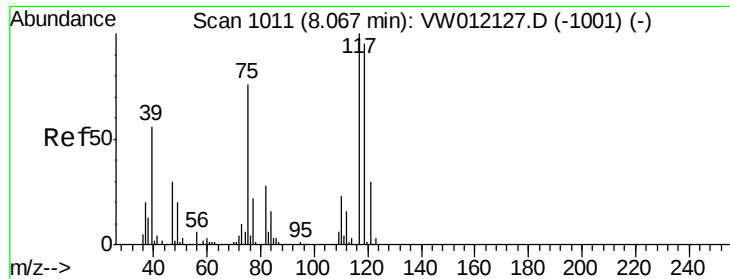
Tgt Ion: 113 Resp: 107281
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 21.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.216 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

Tgt Ion: 75 Resp: 19440
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.257 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

T12-C2-(0)

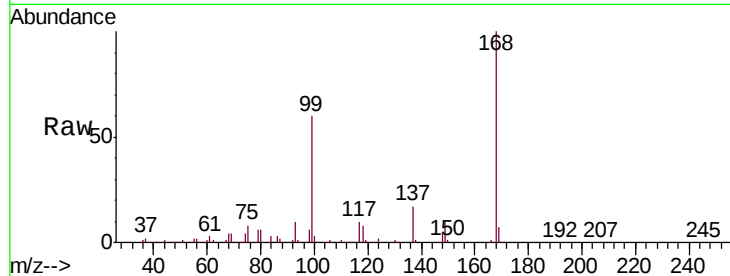
Tgt Ion:117 Resp: 23411

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

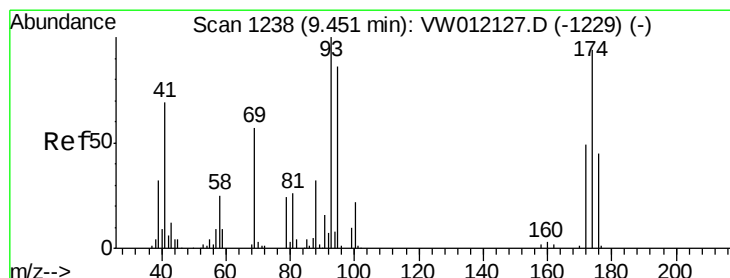
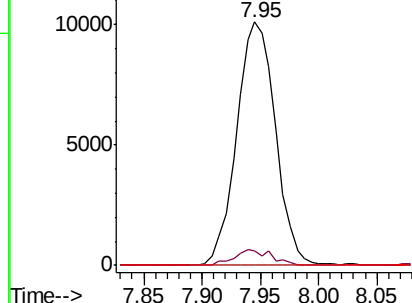
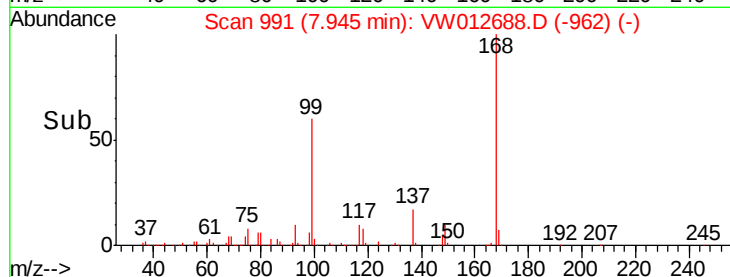
121 0.0 23.8 35.8#



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: 2.841 ug/l

RT: 9.39 min Scan# 1228

Delta R.T. -0.06 min

Lab File: VW012688.D

Acq: 06 Sep 2019 13:50

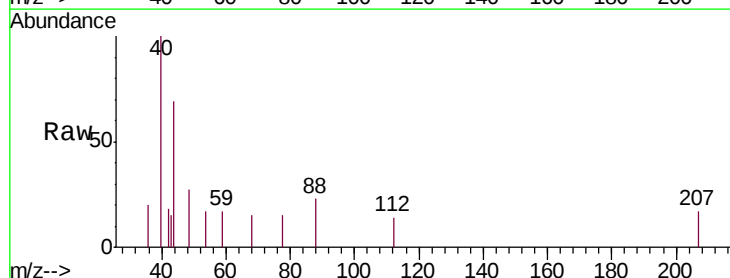
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 37.7 32.9 49.3

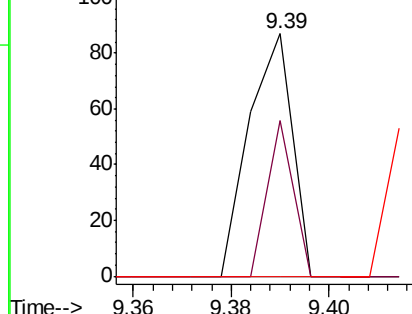
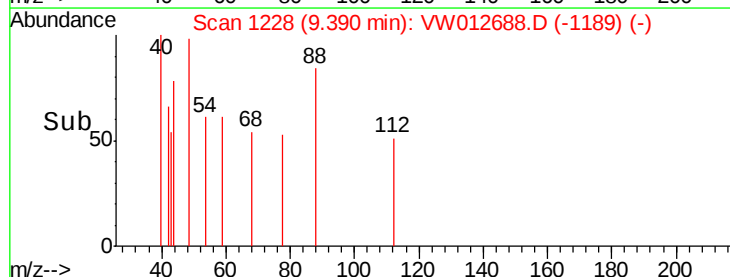
58 0.0 71.0 106.4#

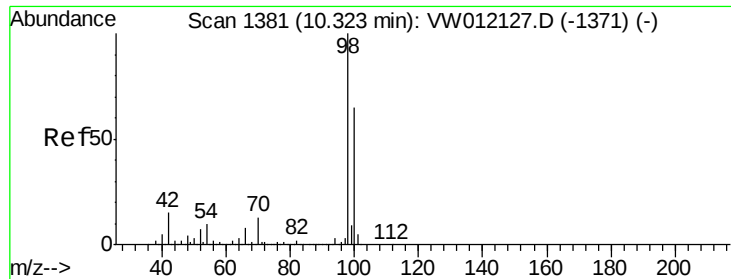


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

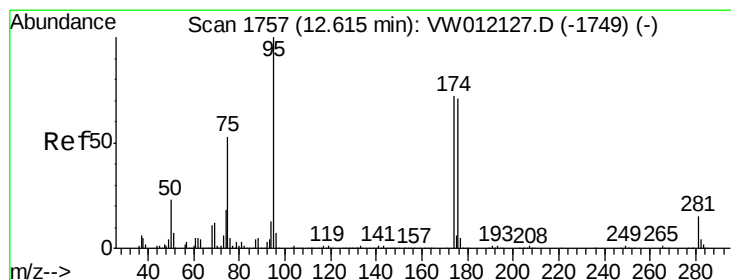
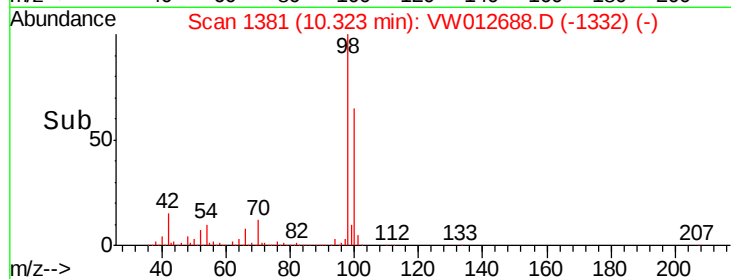
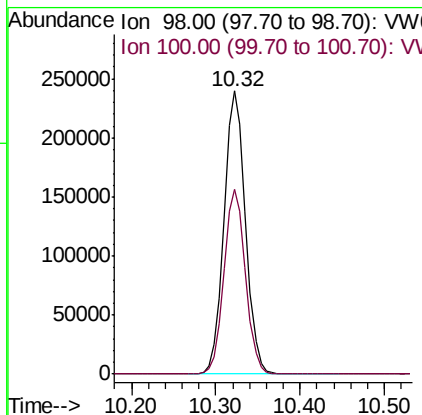
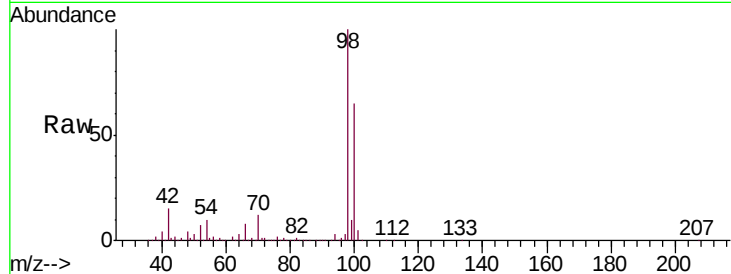




#50
Toluene-d8
Concen: 47.928 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012688.D
Acq: 06 Sep 2019 13:50

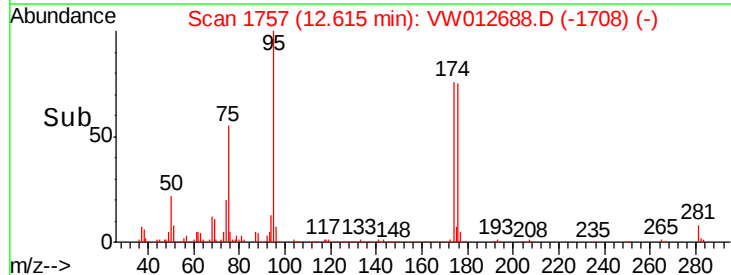
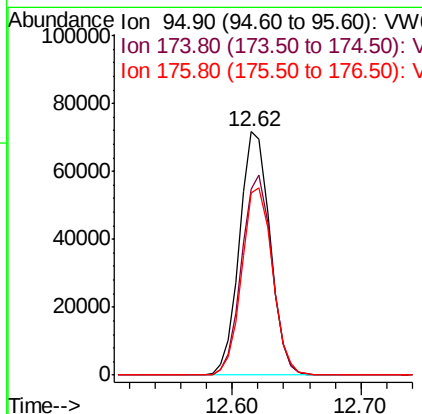
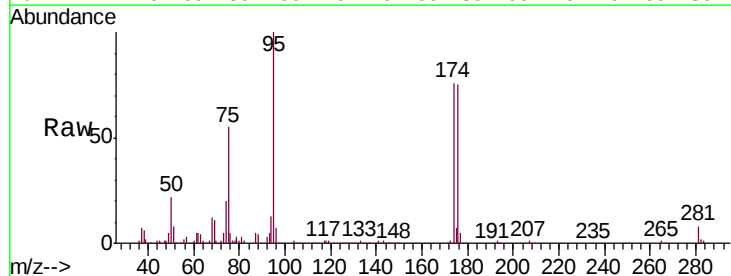
Instrument :
MSVOA_W
ClientSampled :
T12-C2-(0)

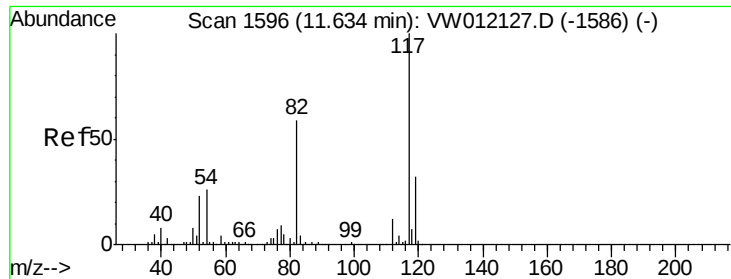
Tgt Ion: 98 Resp: 418387
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.235 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012688.D
Acq: 06 Sep 2019 13:50

Tgt Ion: 95 Resp: 117655
Ion Ratio Lower Upper
95 100
174 81.1 0.0 150.8
176 77.2 0.0 148.6

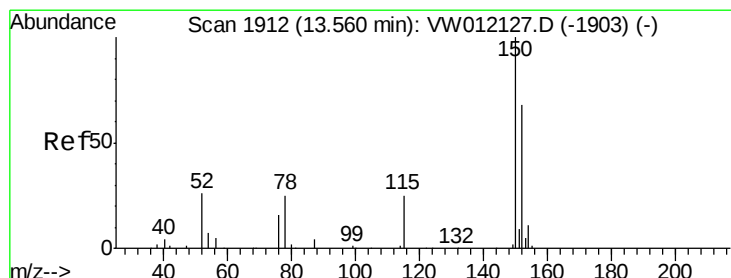
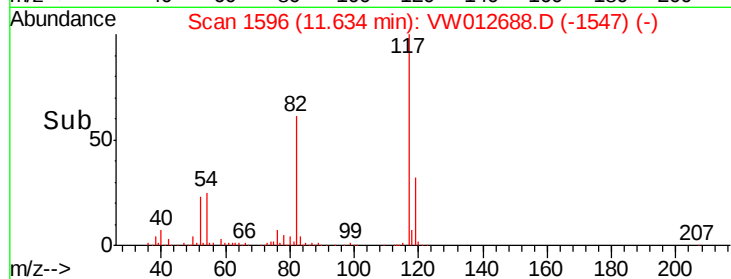
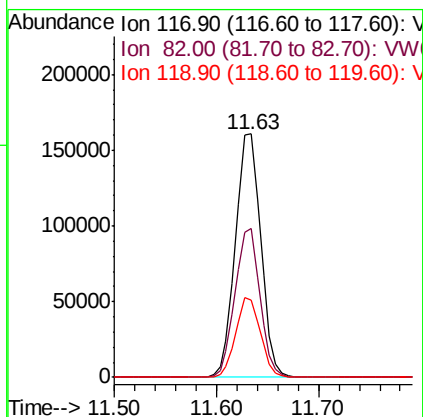
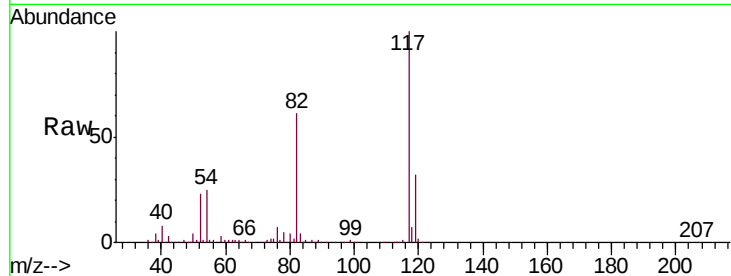




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012688.D
Acq: 06 Sep 2019 13:50

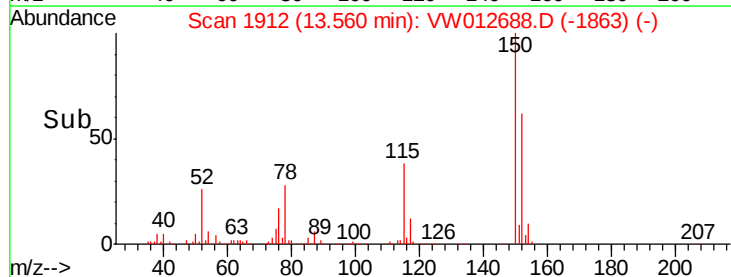
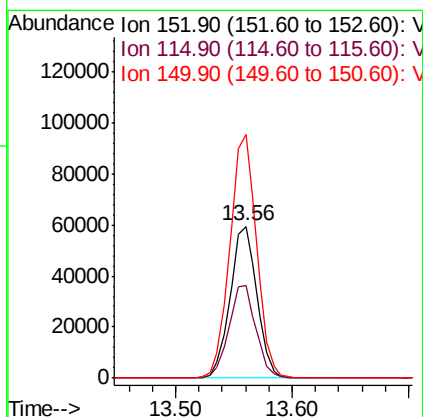
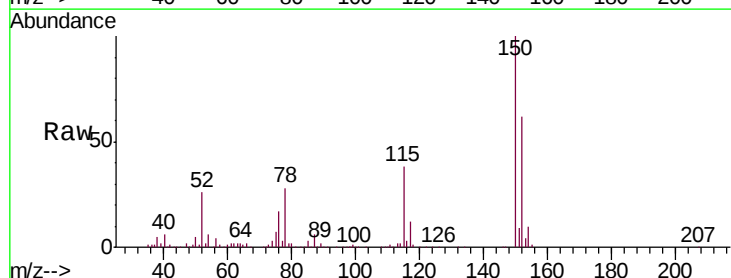
Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

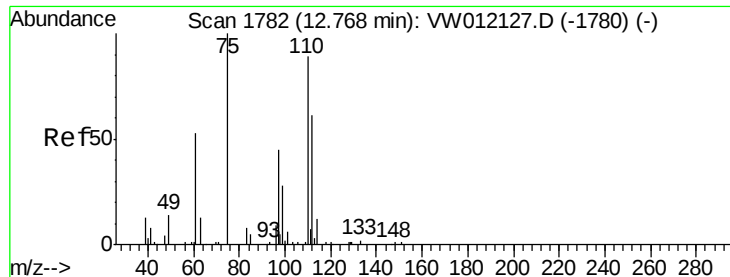
Tgt Ion:117 Resp: 276594
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012688.D
Acq: 06 Sep 2019 13:50

Tgt Ion:152 Resp: 95417
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 159.8 0.0 345.8

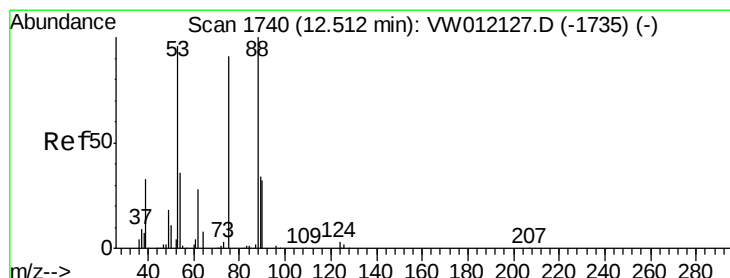
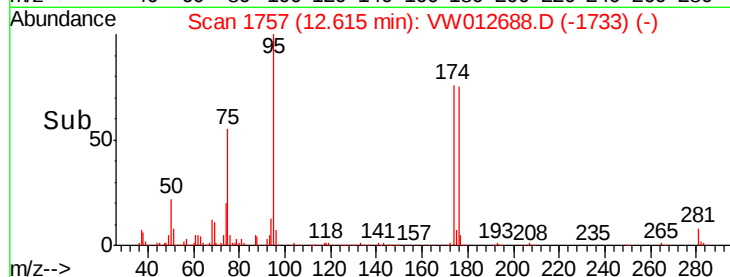
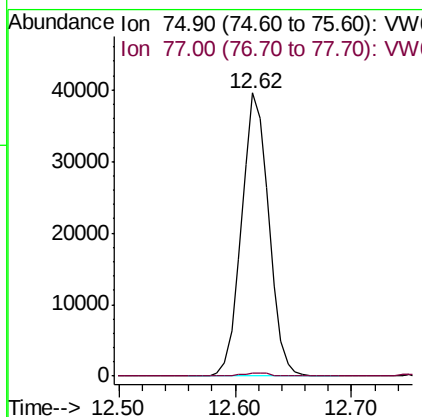
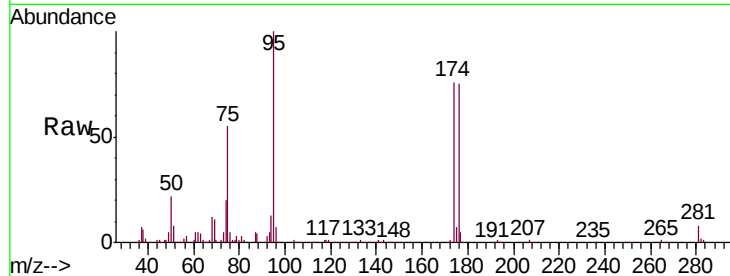




#76
 1,2,3-Trichloropropane
 Concen: 69.631 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

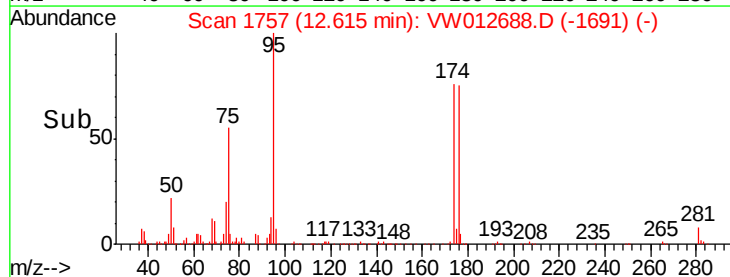
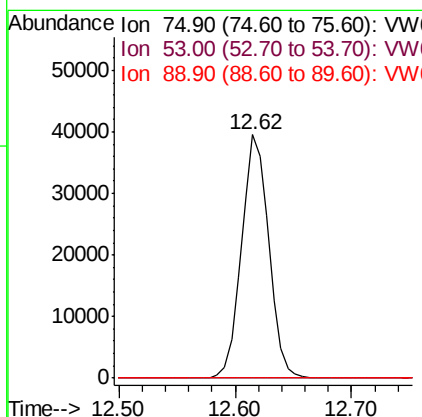
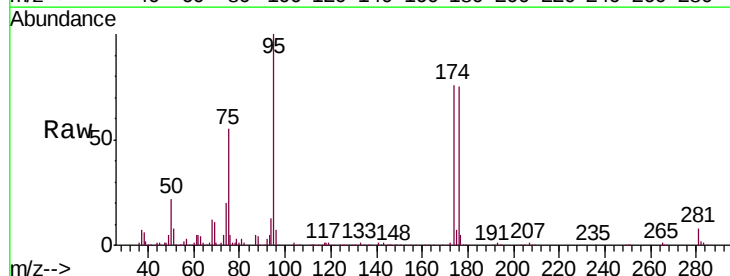
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C2-(0)

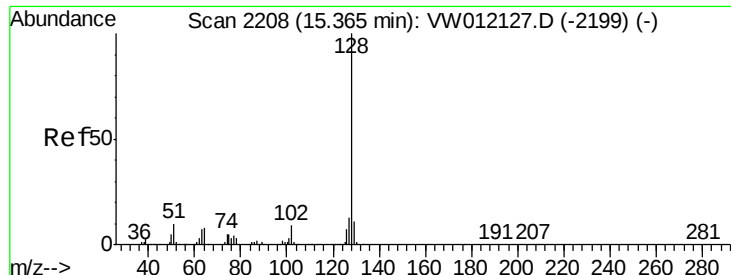
Tgt Ion: 75 Resp: 64708
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.669 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012688.D
 Acq: 06 Sep 2019 13:50

Tgt Ion: 75 Resp: 64708
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.2 34.5 51.7#





#95
Naphthalene
Concen: 4.644 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012688.D
Acq: 06 Sep 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

Tgt Ion:128 Resp: 1273
Ion Ratio Lower Upper
128 100
127 3.8 10.7 16.1#
129 0.0 8.7 13.1#

