

Data File : VW011146.D
Acq On : 03 Jul 2019 18:05
Operator : SY/VA
Sample : K3668-05
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SHORT-WALL-AREA

Quant Time: Jul 04 03:53:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	199391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134646	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.88	113	101512	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.32	98	423060	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.62	95	136485	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

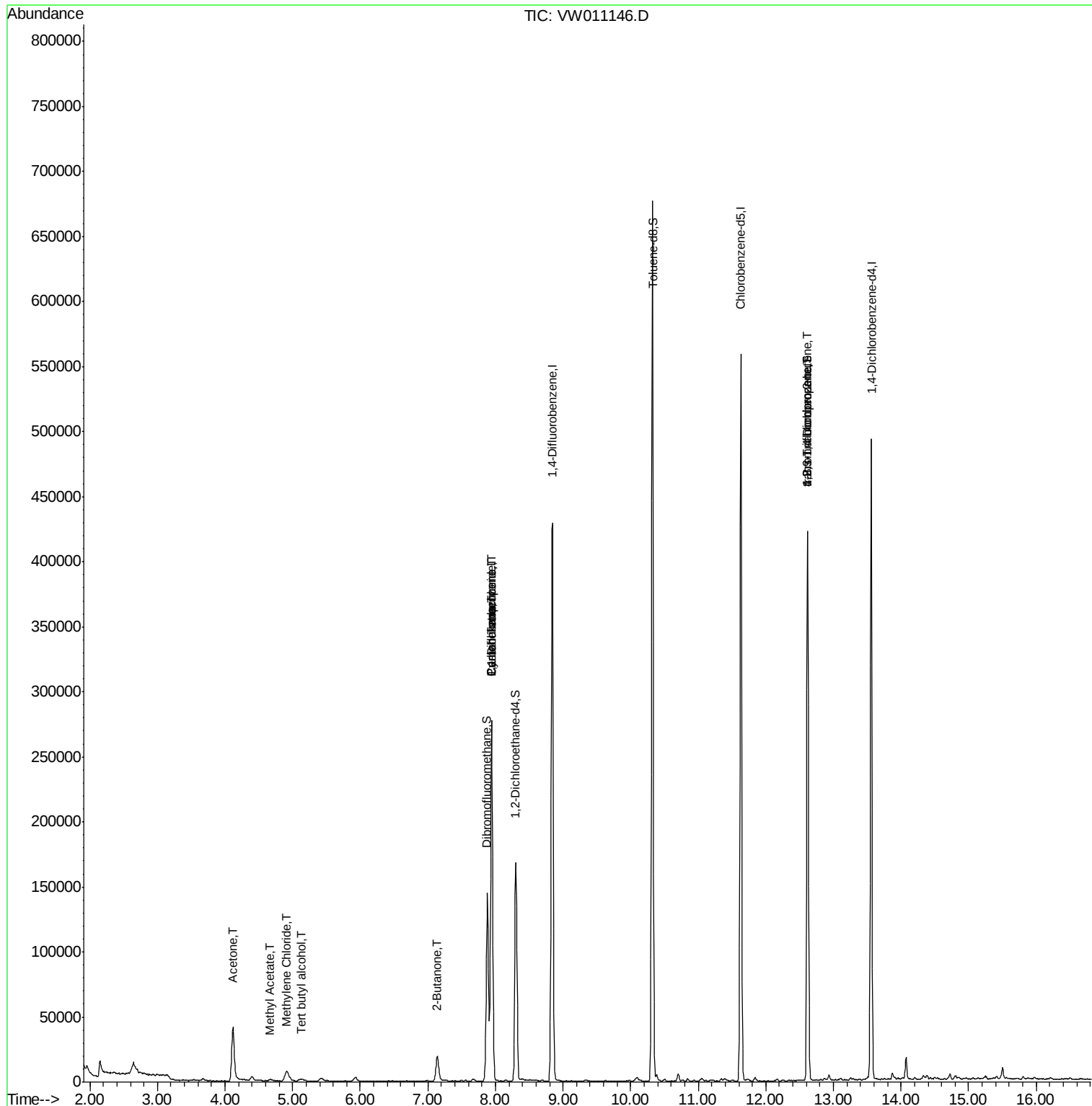
						Qvalue
11) Tert butyl alcohol	5.12	59	1681	8.880	ug/l #	71
16) Acetone	4.12	43	75952	119.375	ug/l	97
18) Methyl Acetate	4.67	43	2459	1.492	ug/l	92
20) Methylene Chloride	4.92	84	6310	2.441	ug/l	96
25) 2-Butanone	7.14	43	1548	1.601	ug/l #	75
31) Cyclohexane	7.95	56	5392	1.081	ug/l #	14
36) 1,1-Dichloropropene	7.94	75	18282	5.016	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20572	6.853	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	74726	59.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74726	119.702	ug/l #	3

(#) = 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

Lab File: VW011146.D

Acq: 03 Jul 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

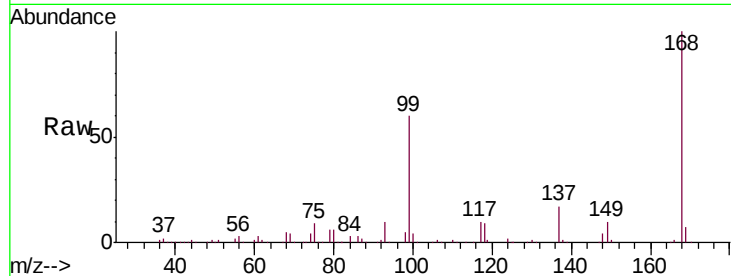
SHORT-WALL-AREA

Tgt Ion: 168 Resp: 199391

Ion Ratio Lower Upper

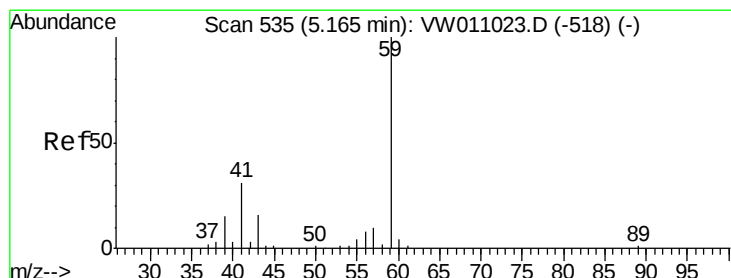
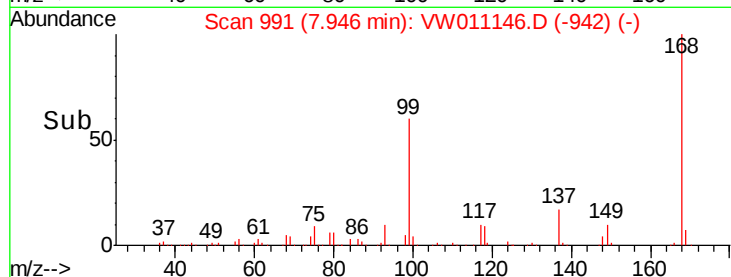
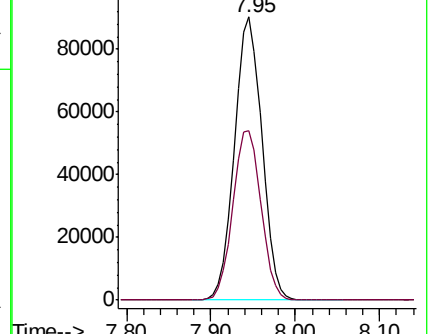
168 100

99 60.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 8.880 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011146.D

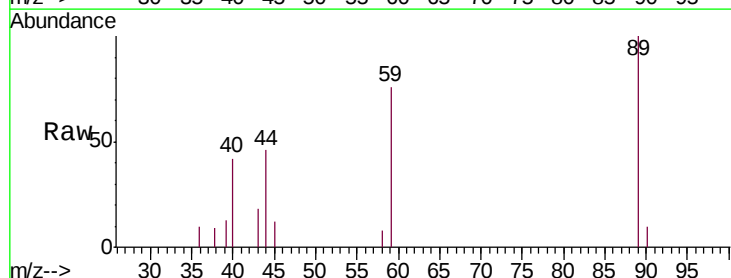
Acq: 03 Jul 2019 18:05

Tgt Ion: 59 Resp: 1681

Ion Ratio Lower Upper

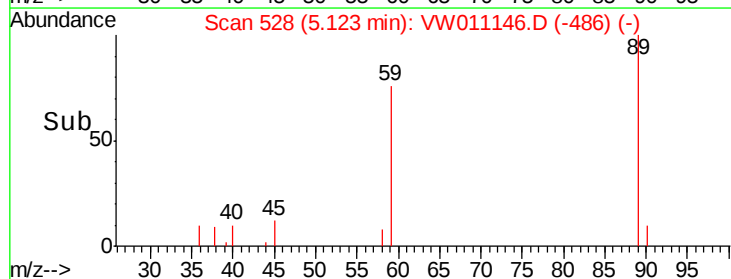
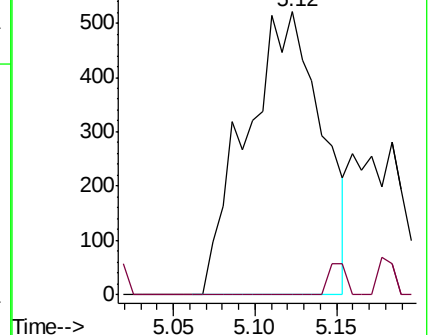
59 100

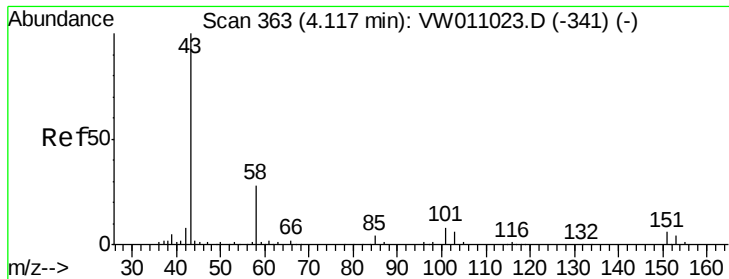
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 119.375 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011146.D

Acq: 03 Jul 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

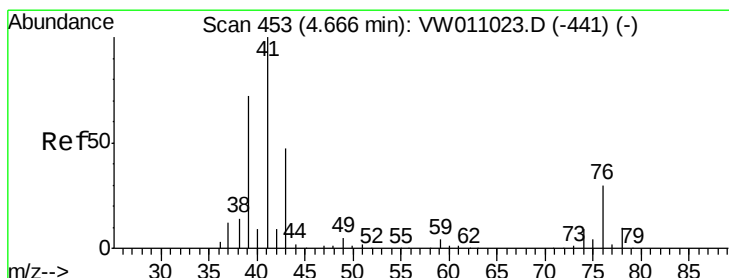
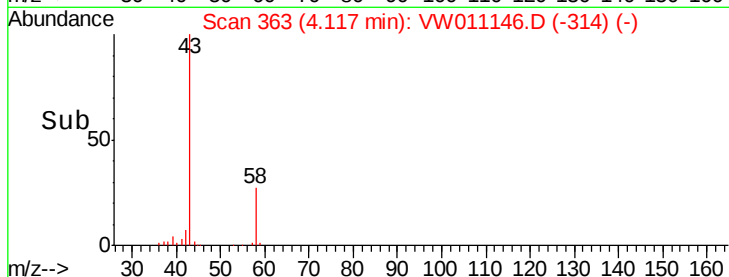
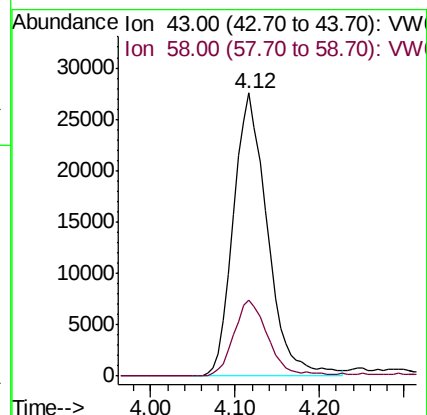
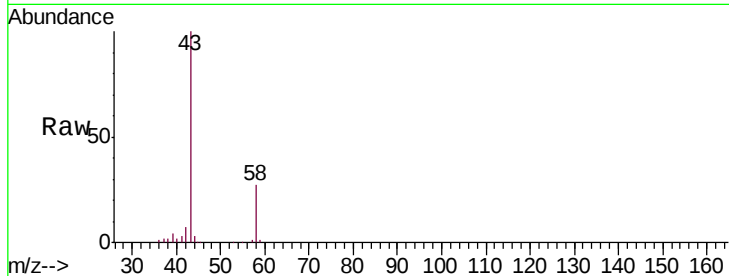
SHORT-WALL-AREA

Tgt Ion: 43 Resp: 75952

Ion Ratio Lower Upper

43 100

58 26.7 22.5 33.7



#18

Methyl Acetate

Concen: 1.492 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011146.D

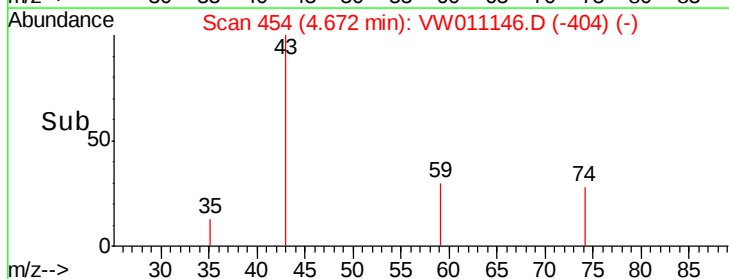
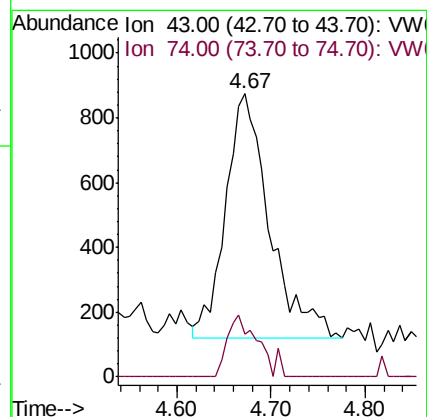
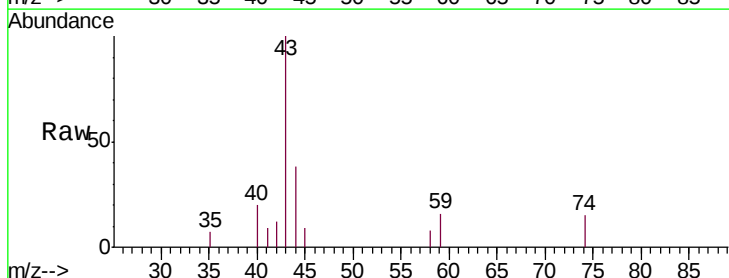
Acq: 03 Jul 2019 18:05

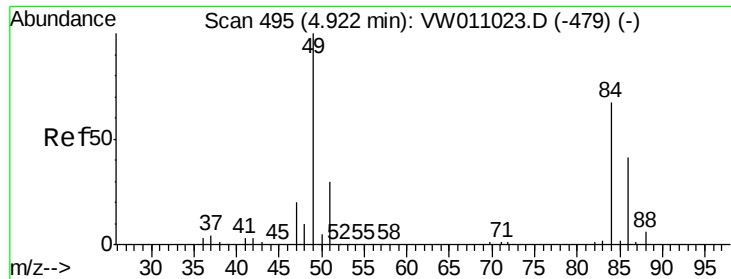
Tgt Ion: 43 Resp: 2459

Ion Ratio Lower Upper

43 100

74 16.3 15.8 23.8

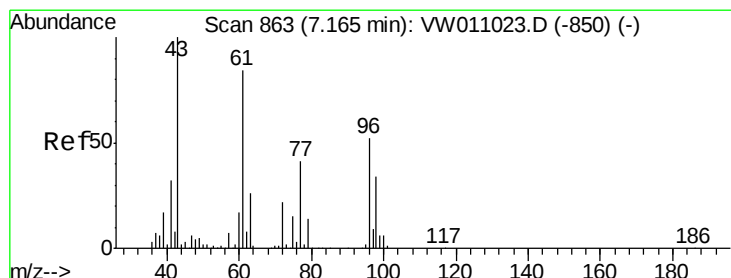
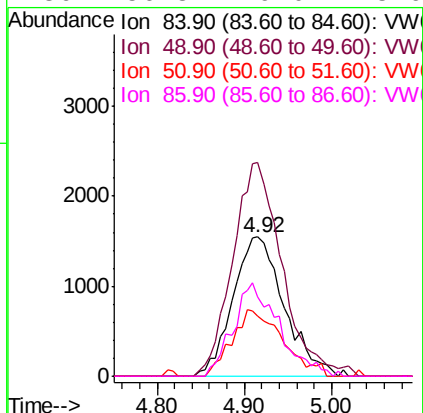
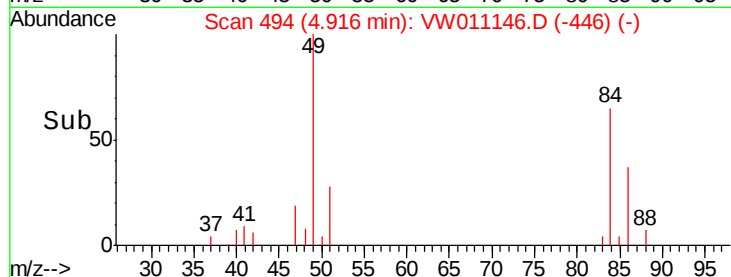
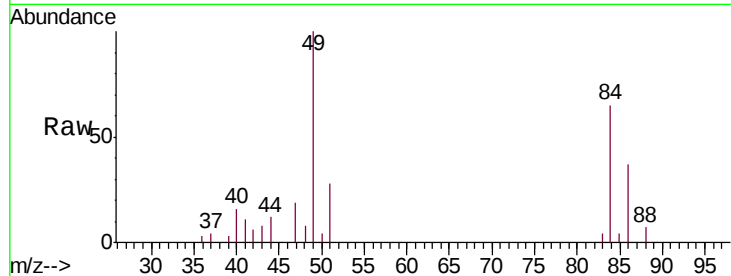




#20
Methylene Chloride
Concen: 2.441 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

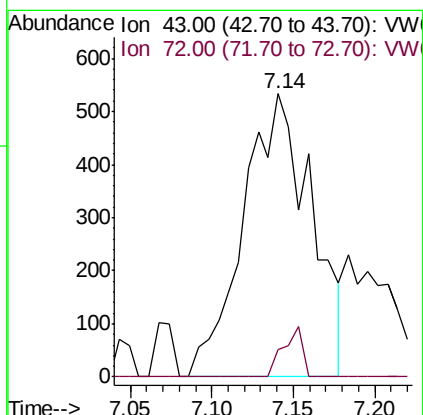
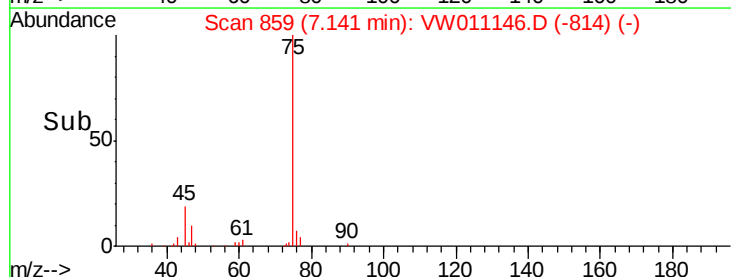
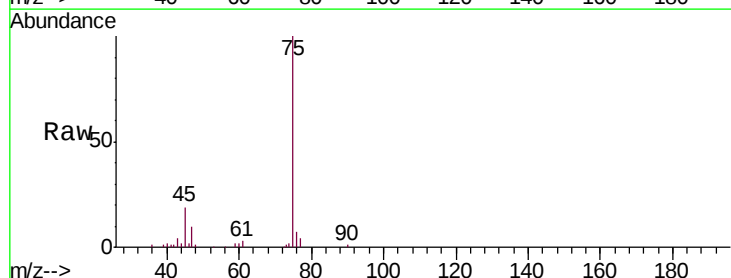
Instrument :
MSVOA_W
ClientSampleId :
SHORT-WALL-AREA

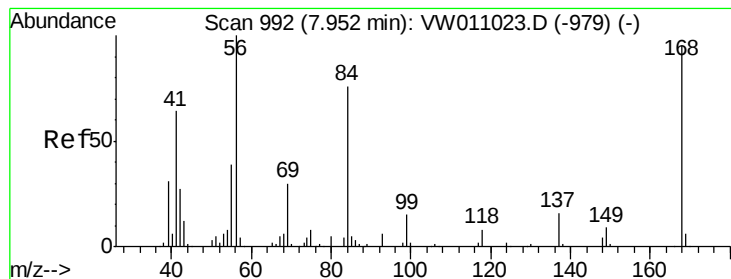
Tgt Ion:	84	Resp:	6310
Ion	Ratio	Lower	Upper
84	100		
49	153.6	119.6	179.4
51	43.0	35.6	53.4
86	56.8	49.0	73.6



#25
2-Butanone
Concen: 1.601 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

Tgt Ion:	43	Resp:	1548
Ion	Ratio	Lower	Upper
43	100		
72	9.8	17.2	25.8#





#31

Cyclohexane

Concen: 1.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011146.D

Acq: 03 Jul 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

SHORT-WALL-AREA

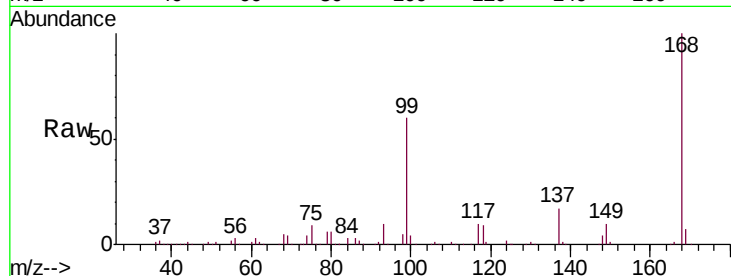
Tgt Ion: 56 Resp: 5392

Ion Ratio Lower Upper

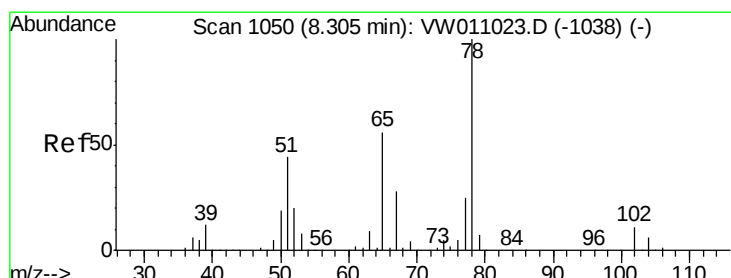
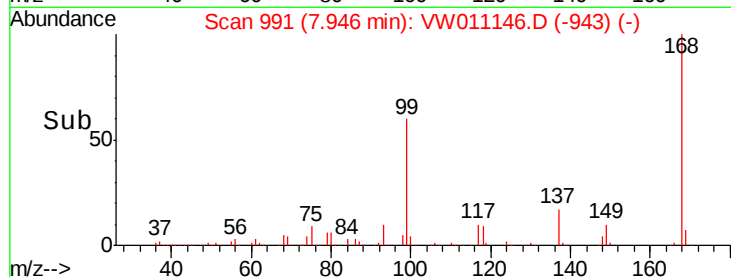
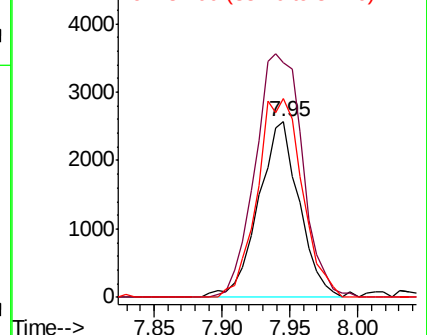
56 100

69 133.6 24.2 36.2#

84 113.4 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.656 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011146.D

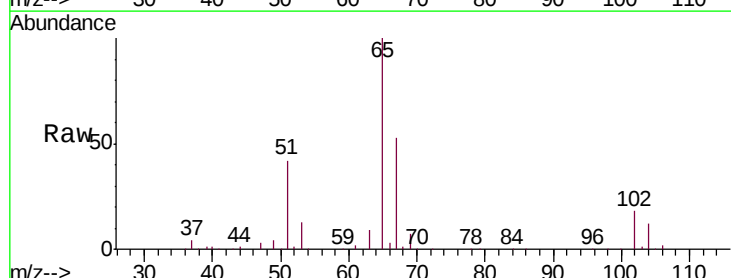
Acq: 03 Jul 2019 18:05

Tgt Ion: 65 Resp: 134646

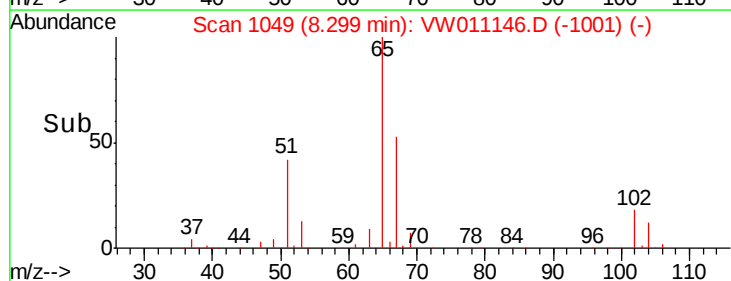
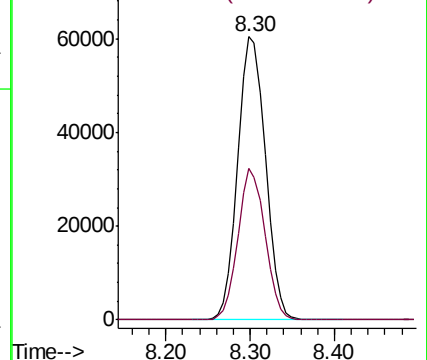
Ion Ratio Lower Upper

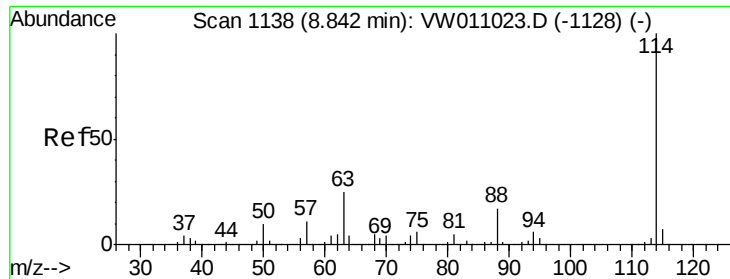
65 100

67 51.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

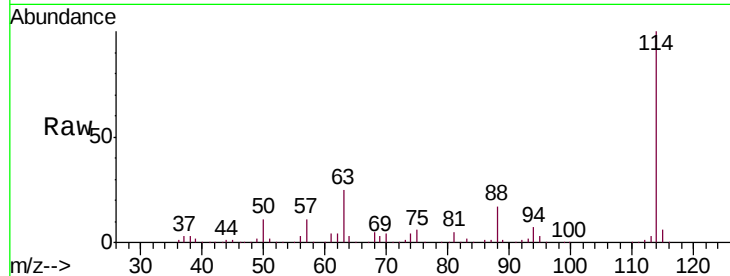




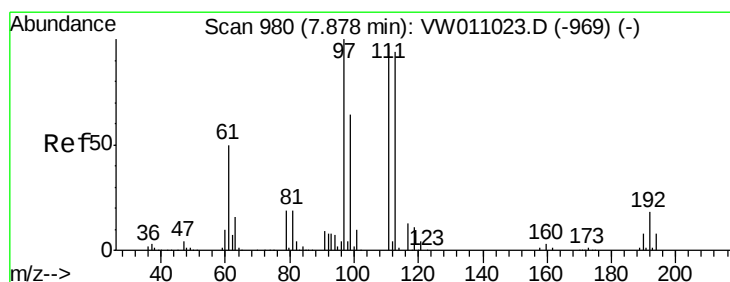
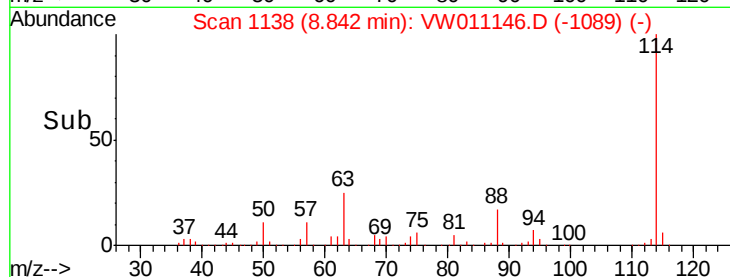
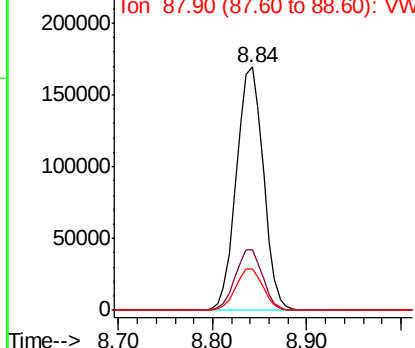
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

Instrument :
MSVOA_W
ClientSampleId :
SHORT-WALL-AREA

Tgt Ion:114 Resp: 339126
Ion Ratio Lower Upper
114 100
63 25.0 0.0 50.6
88 17.0 0.0 34.0

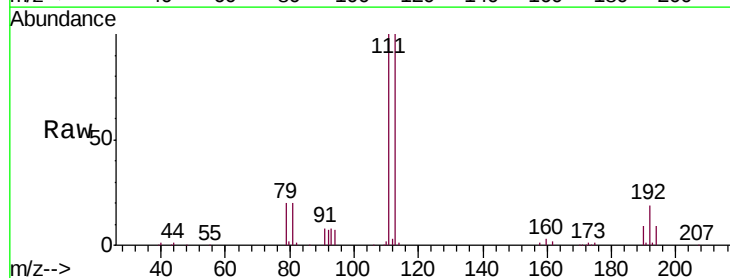


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

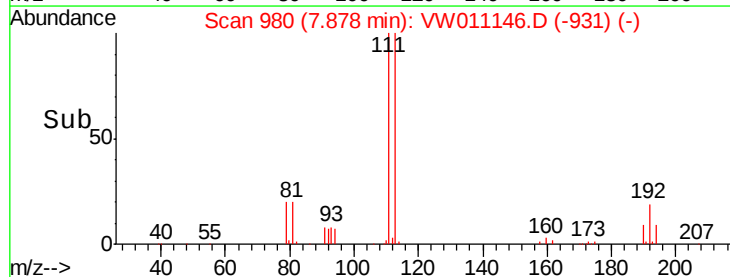
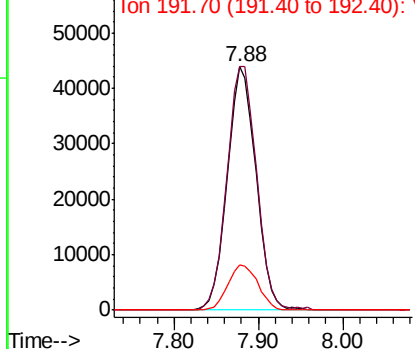


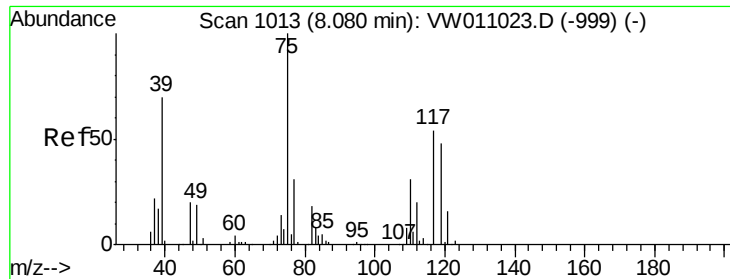
#35
Dibromofluoromethane
Concen: 49.020 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

Tgt Ion:113 Resp: 101512
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.5 16.0 24.0



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

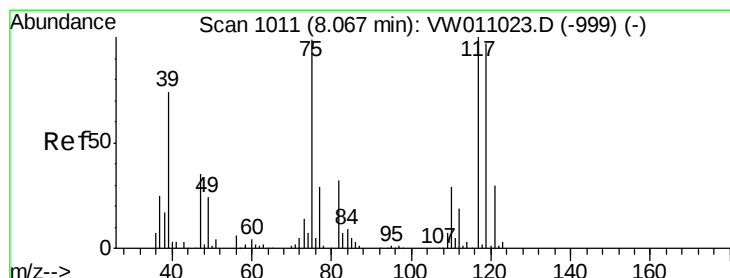
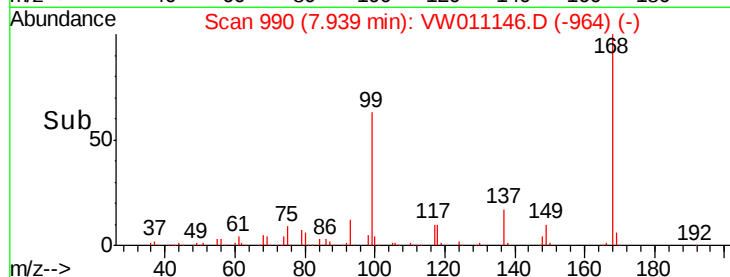
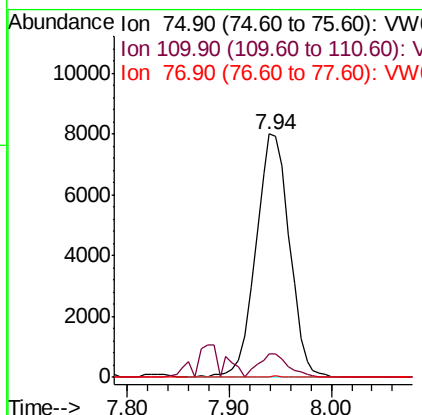
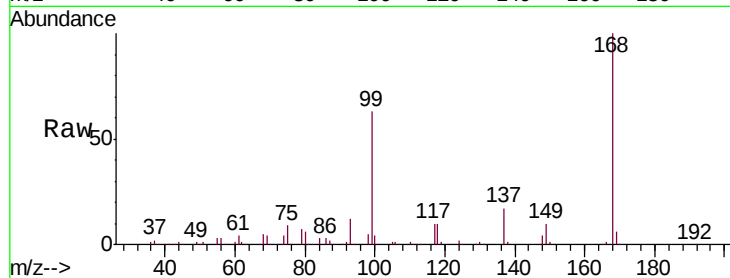




#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011146.D
 Acq: 03 Jul 2019 18:05

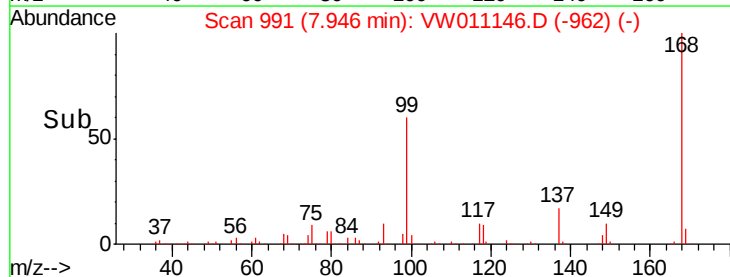
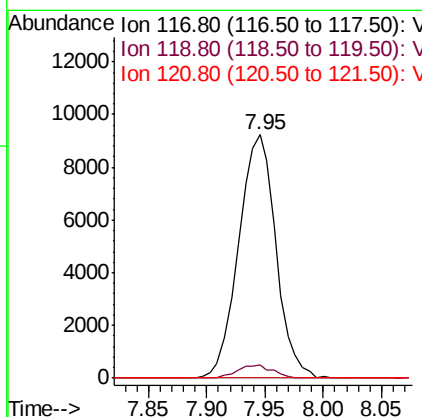
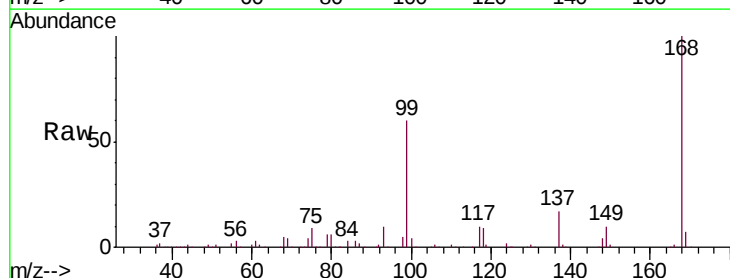
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 SHORT-WALL-AREA

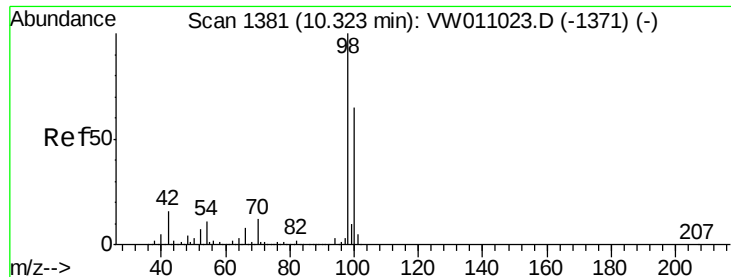
Tgt Ion: 75 Resp: 18282
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.5 46.5#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.853 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011146.D
 Acq: 03 Jul 2019 18:05

Tgt Ion: 117 Resp: 20572
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.7 116.5#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.631 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011146.D

Acq: 03 Jul 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

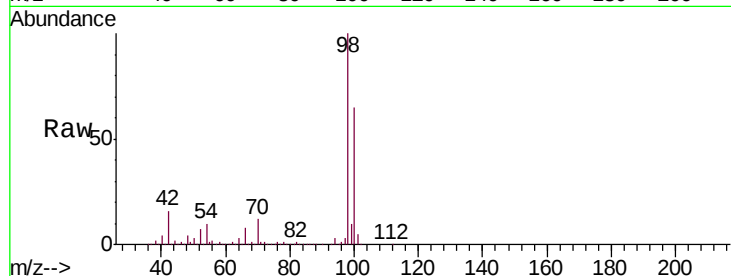
SHORT-WALL-AREA

Tgt Ion: 98 Resp: 423060

Ion Ratio Lower Upper

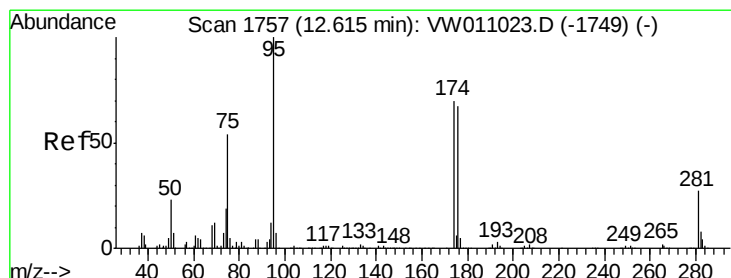
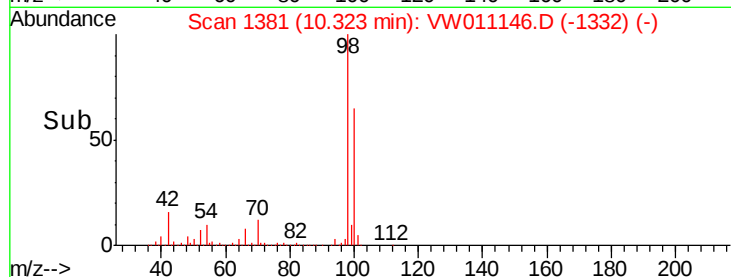
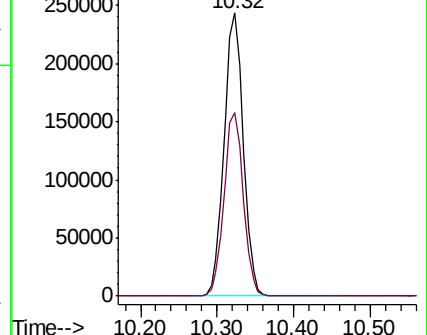
98 100

100 65.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 43.777 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011146.D

Acq: 03 Jul 2019 18:05

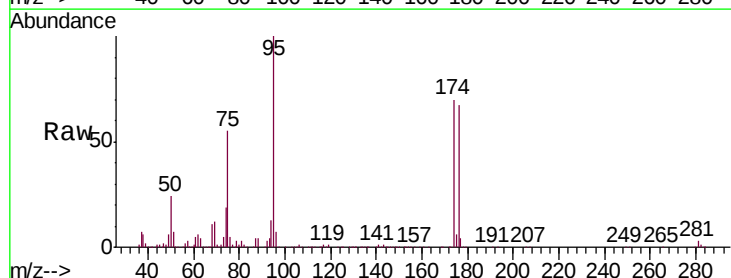
Tgt Ion: 95 Resp: 136485

Ion Ratio Lower Upper

95 100

174 74.4 0.0 149.2

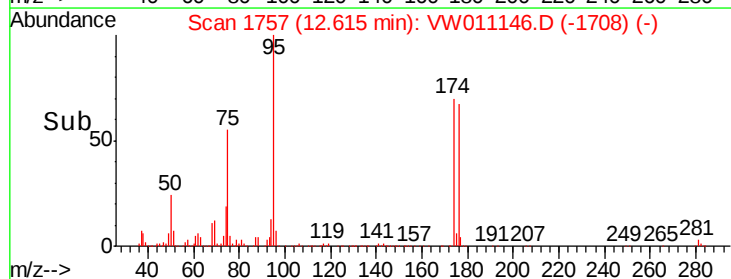
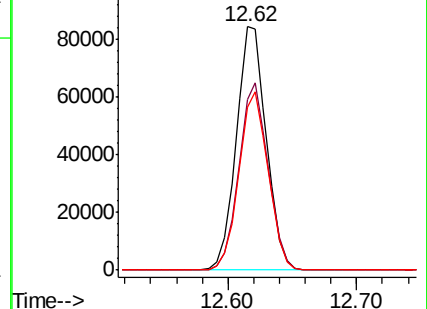
176 71.3 0.0 143.6

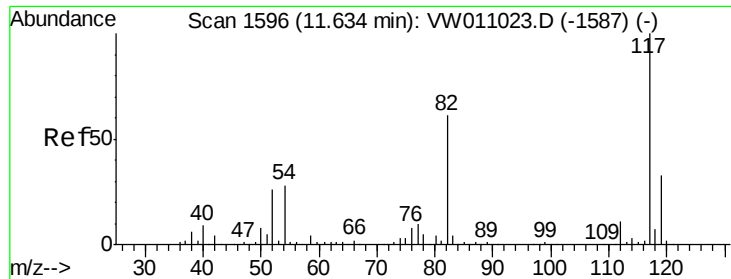


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

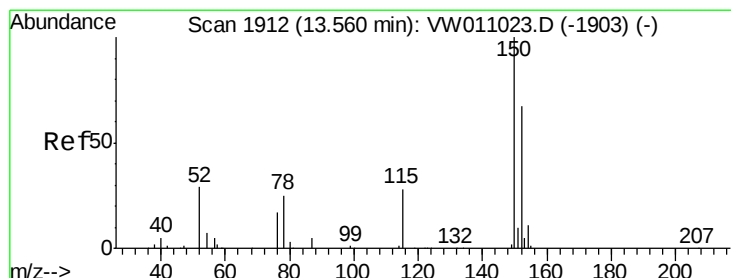
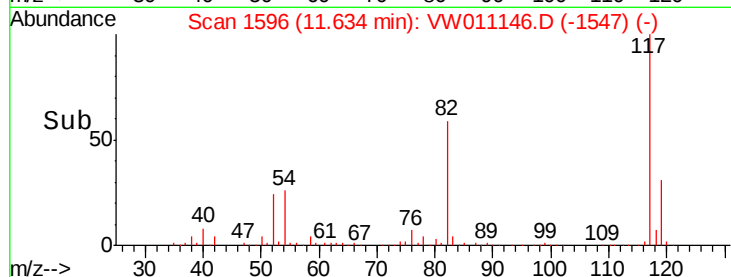
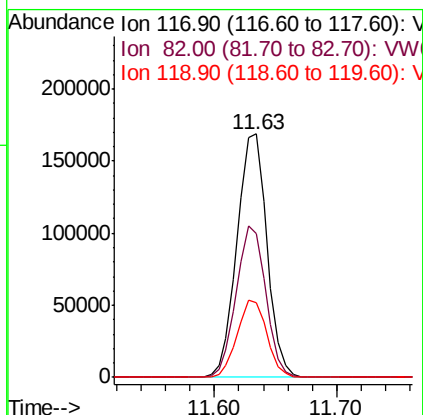
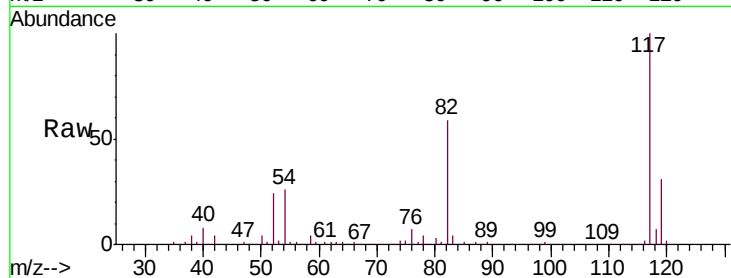




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

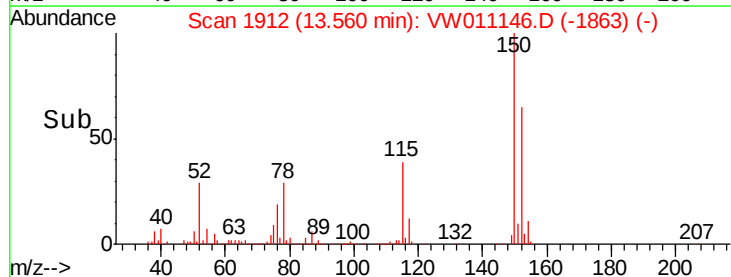
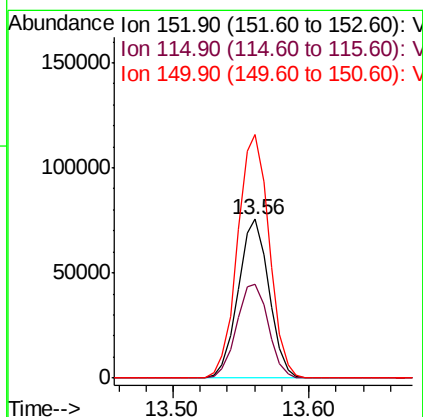
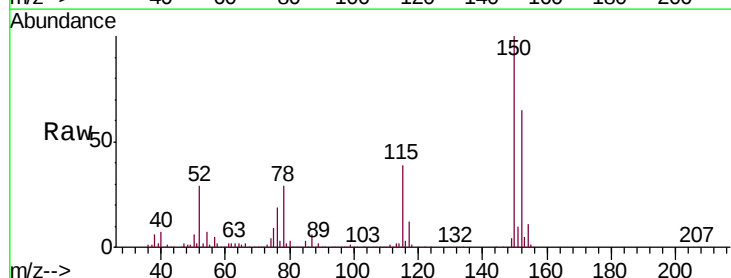
Instrument :
MSVOA_W
ClientSampleId :
SHORT-WALL-AREA

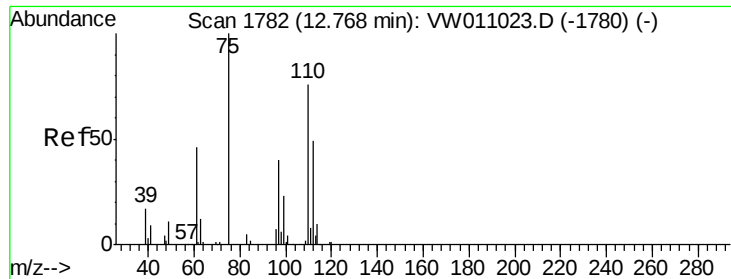
Tgt Ion:117 Resp: 287147
Ion Ratio Lower Upper
117 100
82 59.0 48.6 73.0
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011146.D
Acq: 03 Jul 2019 18:05

Tgt Ion:152 Resp: 119590
Ion Ratio Lower Upper
152 100
115 61.2 30.7 92.1
150 156.9 0.0 341.8

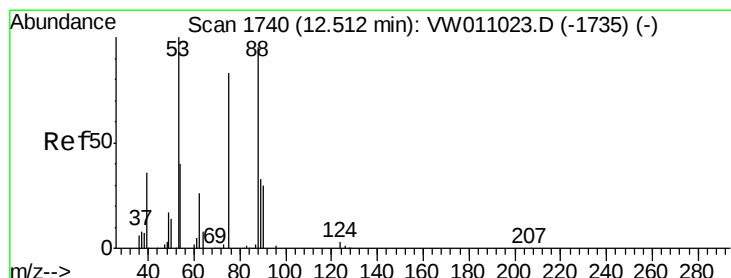
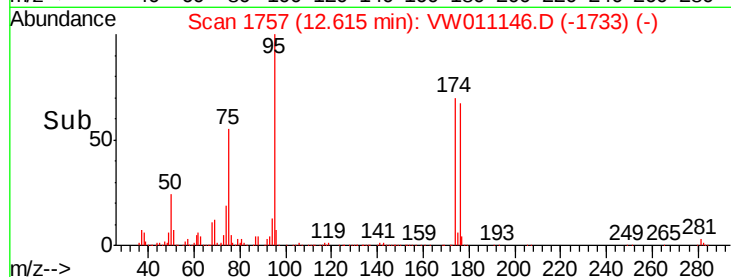
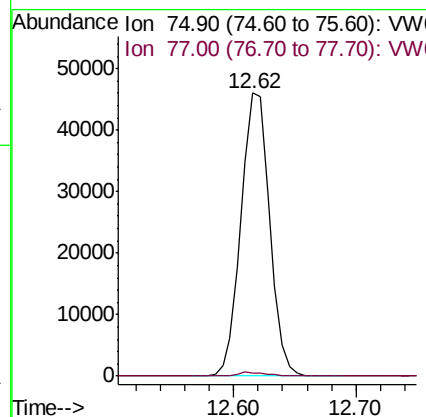
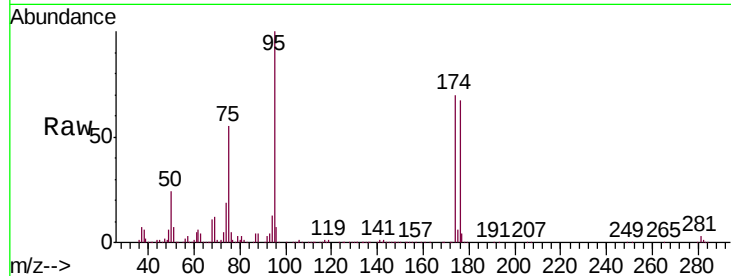




#76
 1,2,3-Trichloropropane
 Concen: 59.186 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011146.D
 Acq: 03 Jul 2019 18:05

Instrument :
 MSVOA_W
 ClientSampleId :
 SHORT-WALL-AREA

Tgt Ion: 75 Resp: 74726
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.702 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011146.D
 Acq: 03 Jul 2019 18:05

Tgt Ion: 75 Resp: 74726
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 34.4 51.6#

