

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011090.D
 Acq On : 01 Jul 2019 17:35
 Operator : SY/VA
 Sample : K3554-09RE
 Misc : 6.94G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-16

Quant Time: Jul 02 08:36:51 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	196904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120221	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	138107	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
35) Dibromofluoromethane	7.88	113	103507	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	10.32	98	424098	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.62	95	136619	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	

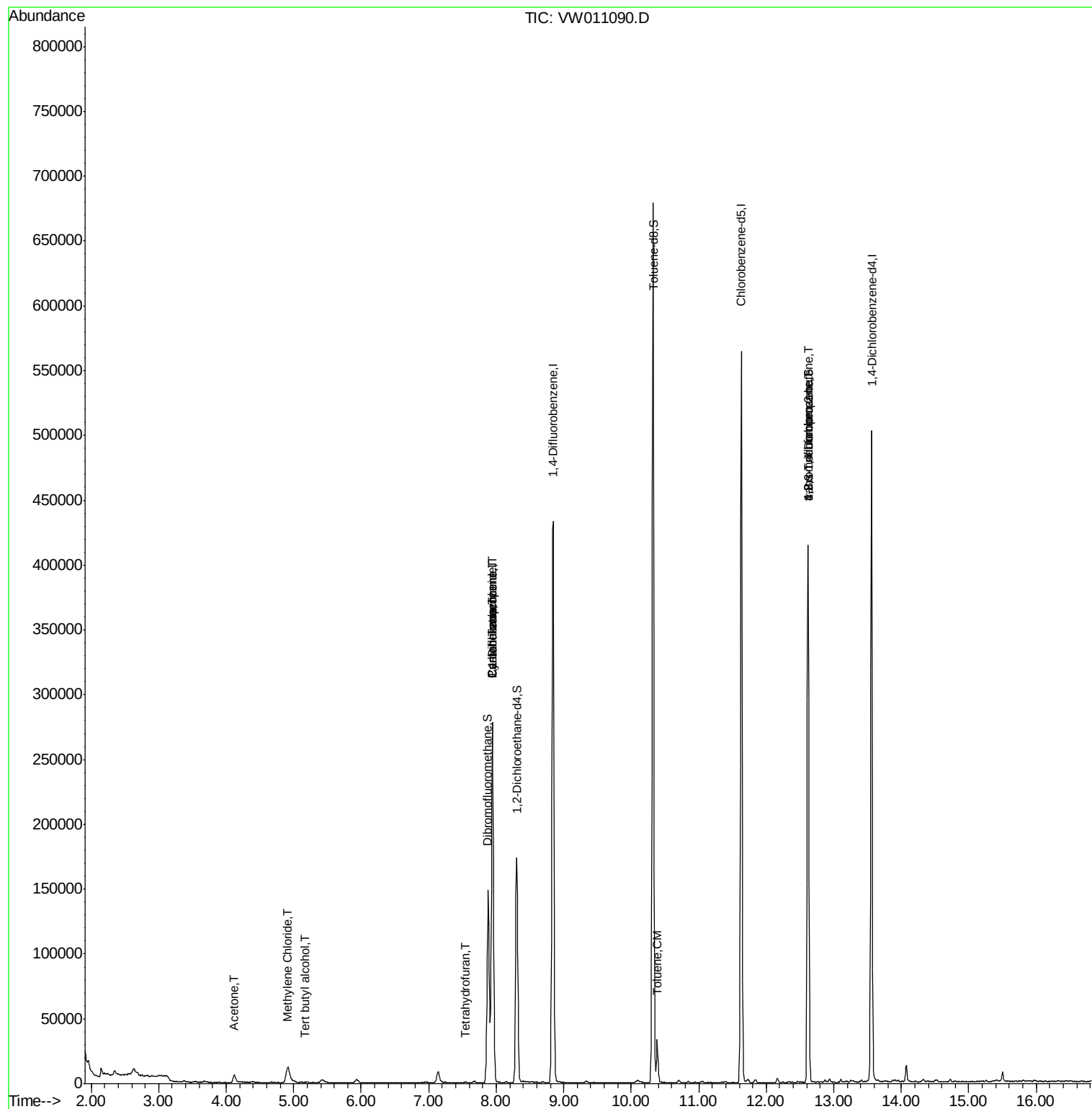
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	393	2.102	ug/l #	71
16) Acetone	4.12	43	11269	17.935	ug/l	95
20) Methylene Chloride	4.91	84	9927	3.889	ug/l	98
29) Tetrahydrofuran	7.54	42	692	1.164	ug/l #	67
31) Cyclohexane	7.95	56	5684	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18289	4.942	ug/l #	50
38) Carbon Tetrachloride	7.94	117	20480	6.720	ug/l #	14
52) Toluene	10.39	92	13264	2.128	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	74621	58.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74621	118.934	ug/l #	3

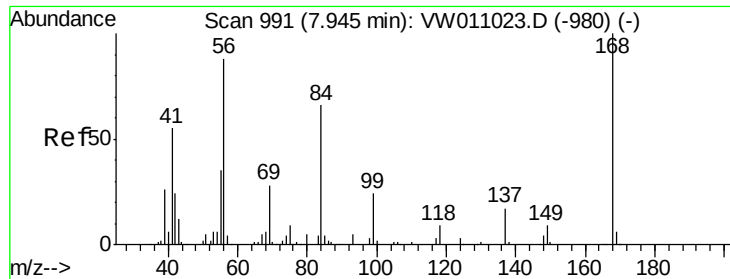
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

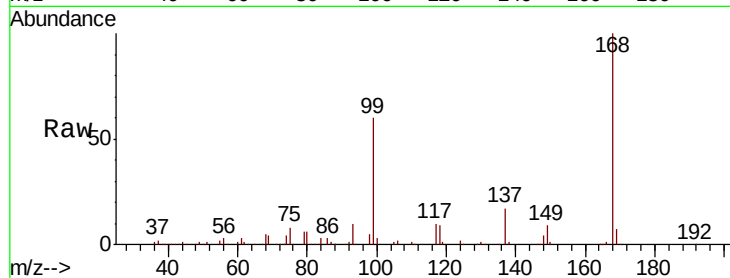
SAMPLE-16

Tot Ion:168 Resp: 196904

Ion Ratio Lower Upper

168 100

99 60.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

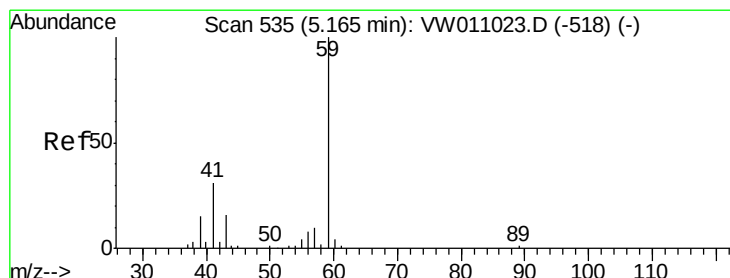
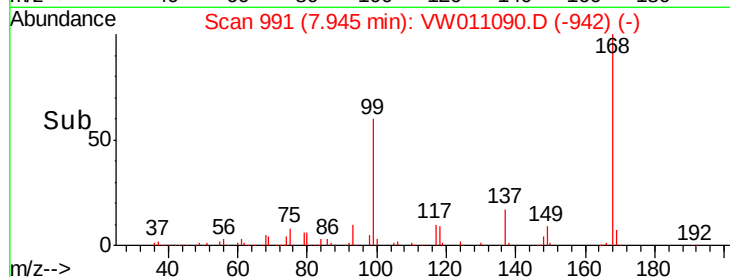
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011090.D

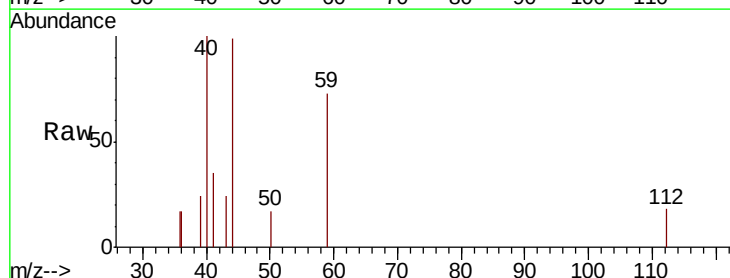
Acq: 01 Jul 2019 17:35

Tgt Ion: 59 Resp: 393

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

5.17

250

200

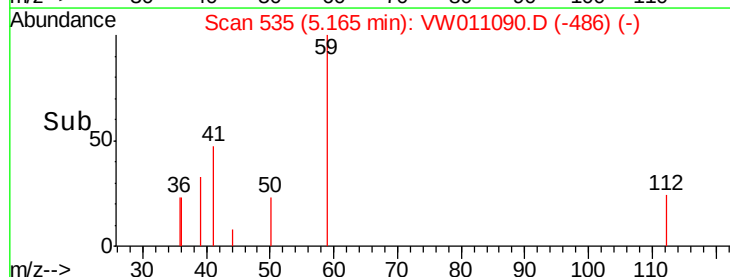
150

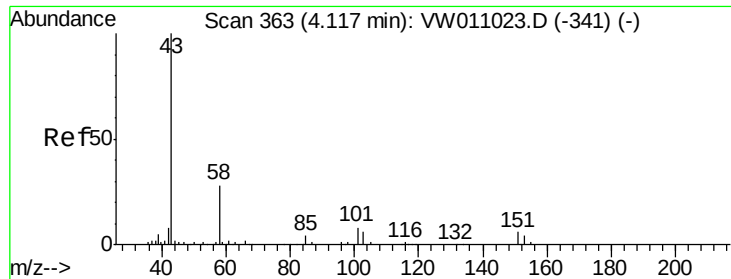
100

50

0

Time--> 5.15 5.20

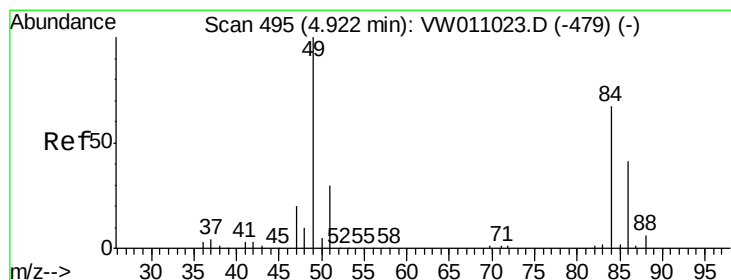
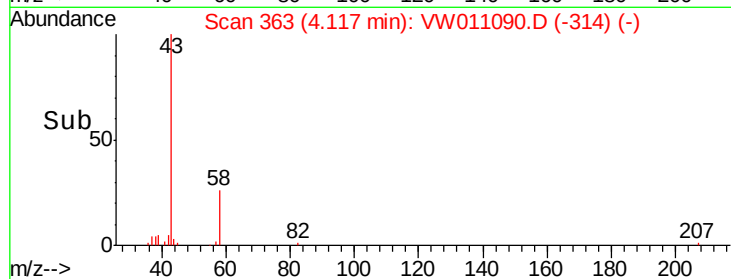
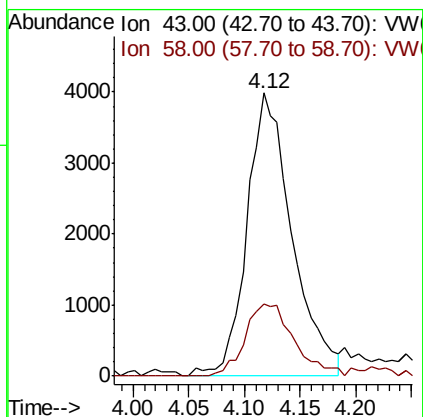
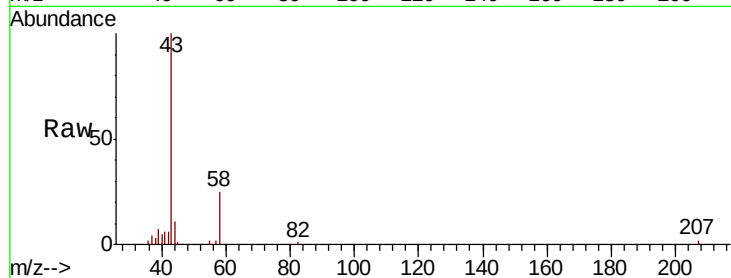




#16
Acetone
Concen: 17.935 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

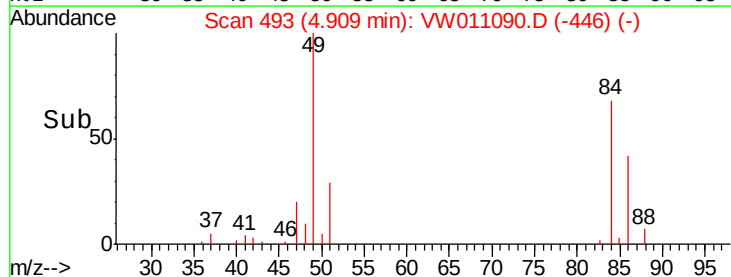
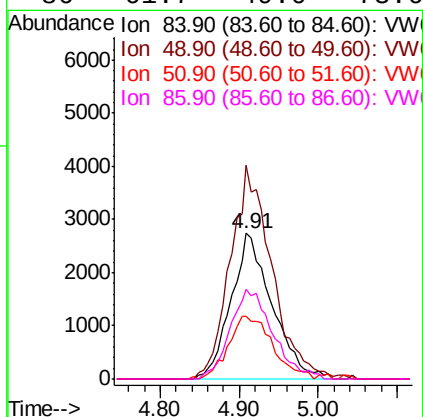
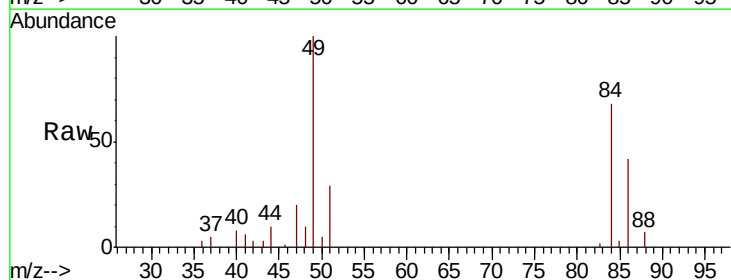
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-16

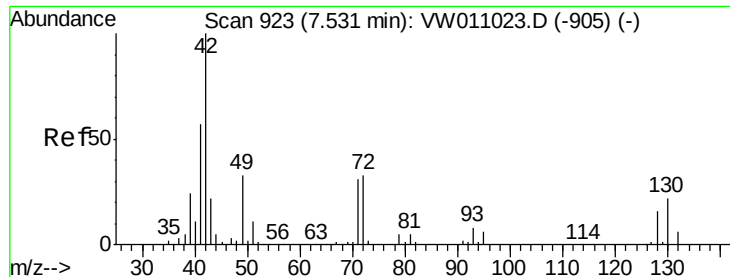
Tot Ion: 43 Resp: 11269
Ion Ratio Lower Upper
43 100
58 25.3 22.5 33.7



#20
Methylene Chloride
Concen: 3.889 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

Tgt Ion: 84 Resp: 9927
Ion Ratio Lower Upper
84 100
49 146.8 119.6 179.4
51 42.9 35.6 53.4
86 61.7 49.0 73.6





#29

Tetrahydrofuran

Concen: 1.164 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA_W

ClientSampled :

SAMPLE-16

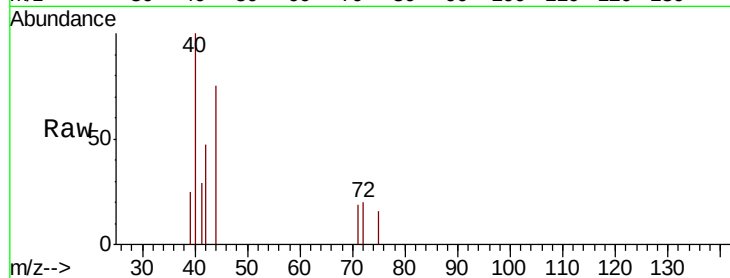
Tot Ion: 42 Resp: 692

Ion Ratio Lower Upper

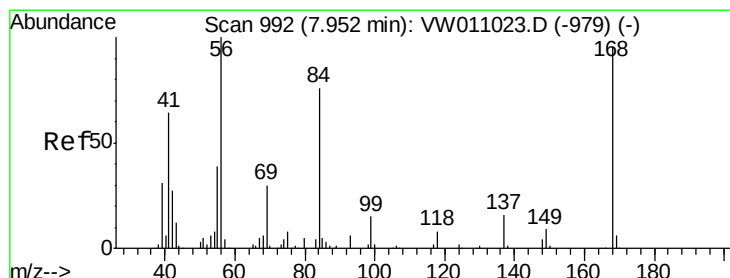
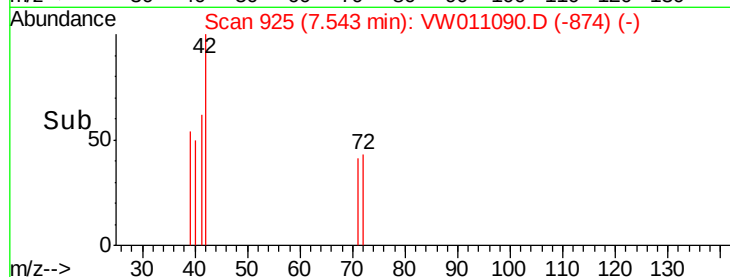
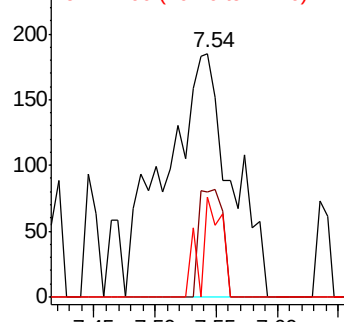
42 100

72 16.3 27.4 41.0#

71 13.0 25.6 38.4#



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: 1.154 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

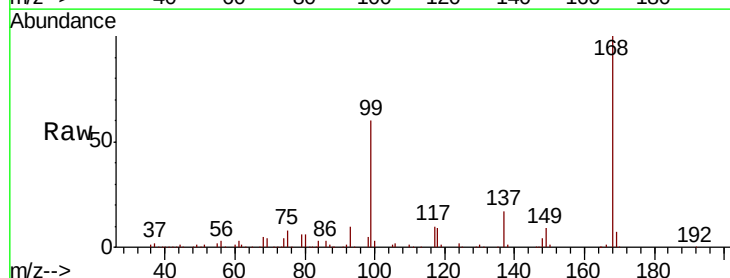
Tgt Ion: 56 Resp: 5684

Ion Ratio Lower Upper

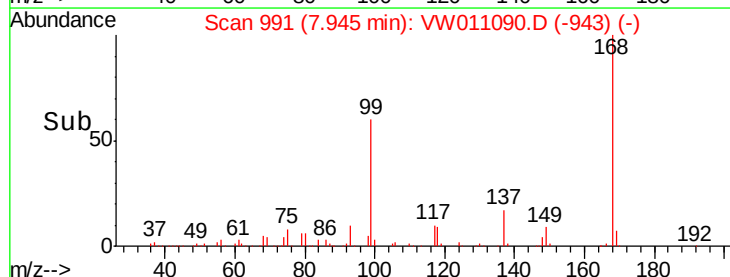
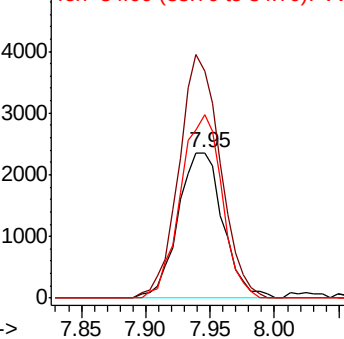
56 100

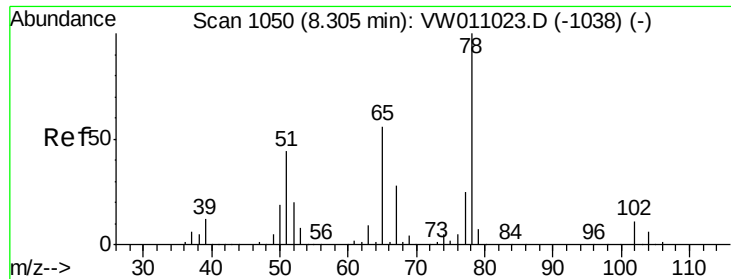
69 156.0 24.2 36.2#

84 125.9 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: 53.653 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

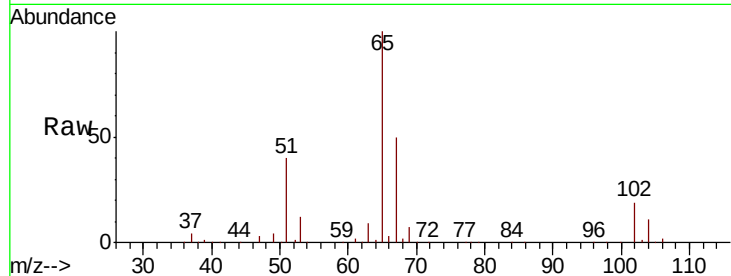
SAMPLE-16

Tot Ion: 65 Resp: 138107

Ion Ratio Lower Upper

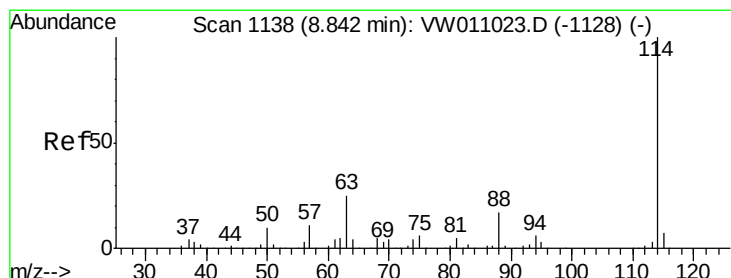
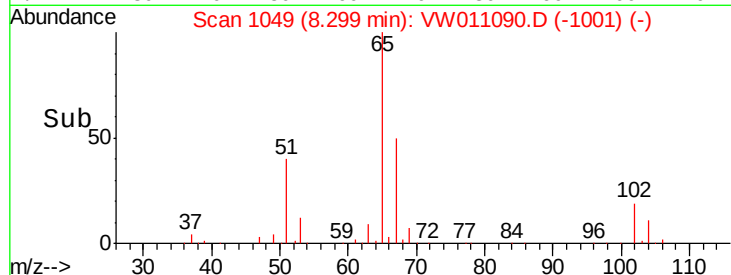
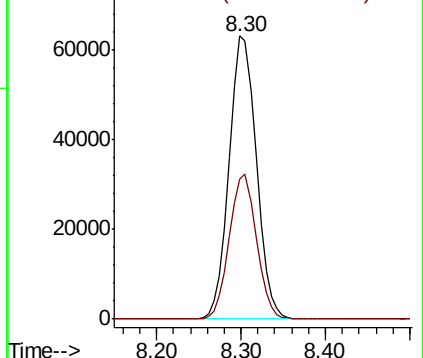
65 100

67 51.0 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: VW011090.D

Acq: 01 Jul 2019 17:35

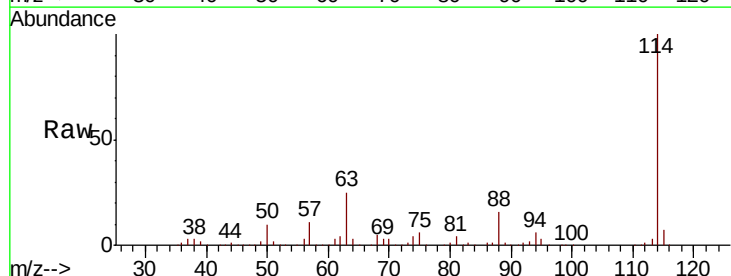
Tgt Ion: 114 Resp: 344323

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.6

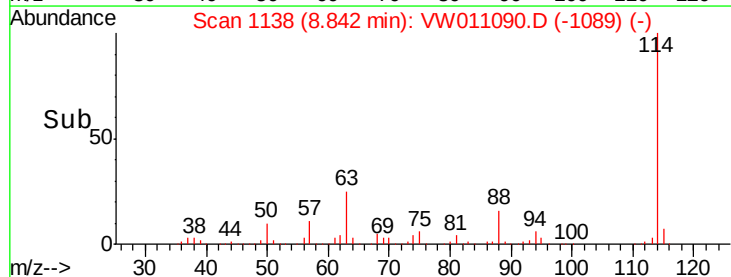
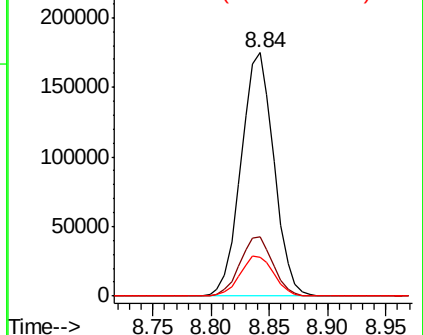
88 15.9 0.0 34.0

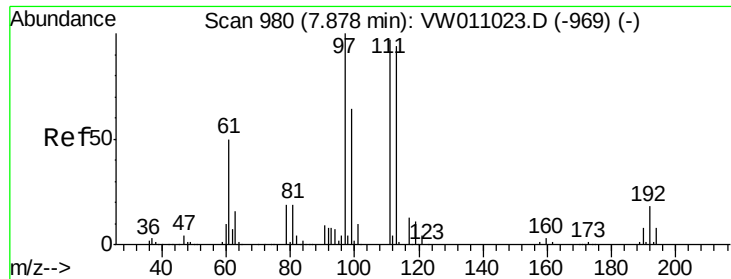


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

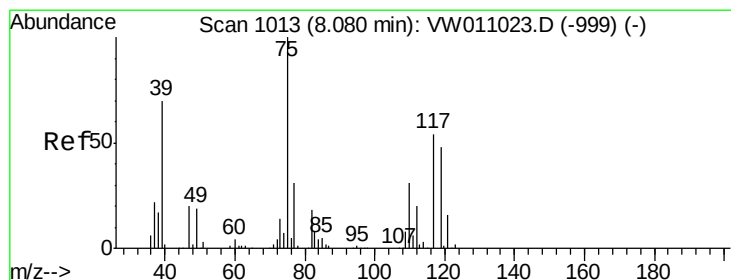
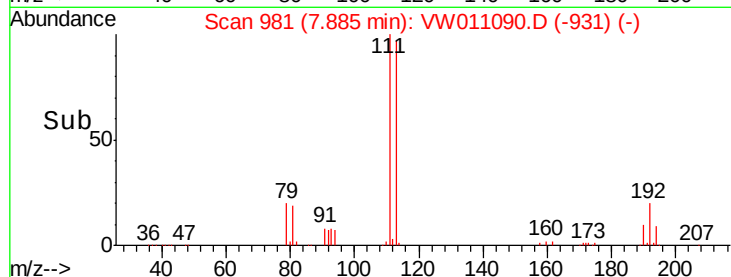
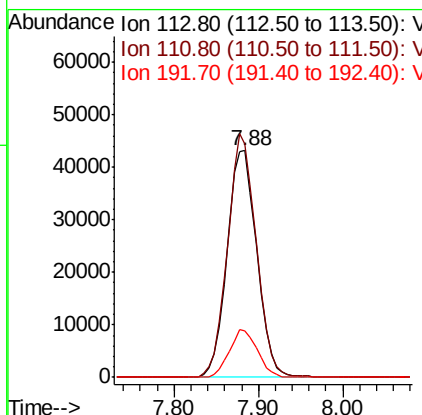
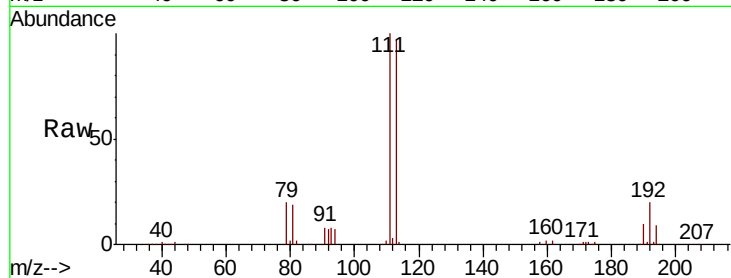




#35
 Dibromofluoromethane
 Concen: 49.229 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011090.D
 Acq: 01 Jul 2019 17:35

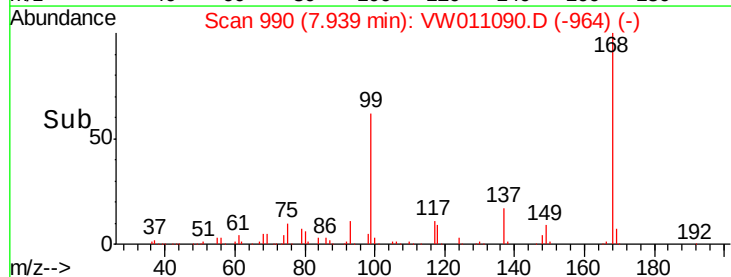
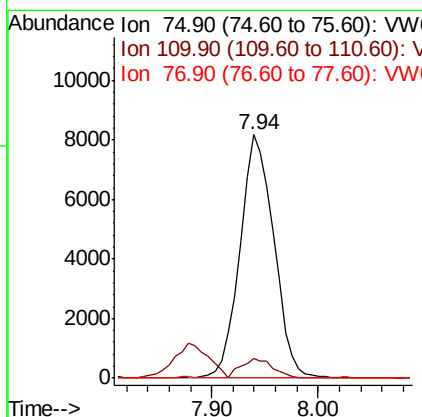
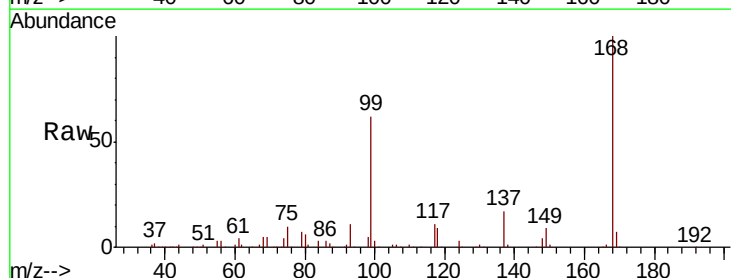
Instrument :
 MSVOA_W
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 SAMPLE-16

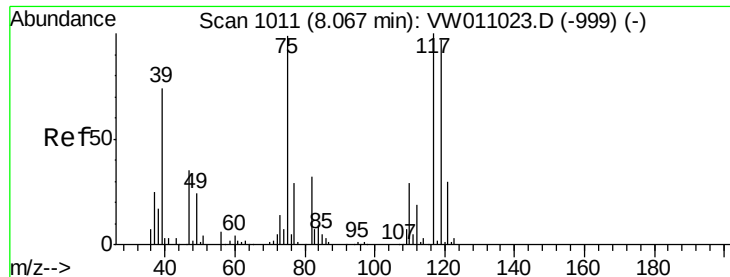
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	19.8	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011090.D
 Acq: 01 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.5	46.5#
77	0.0	24.9	37.3#

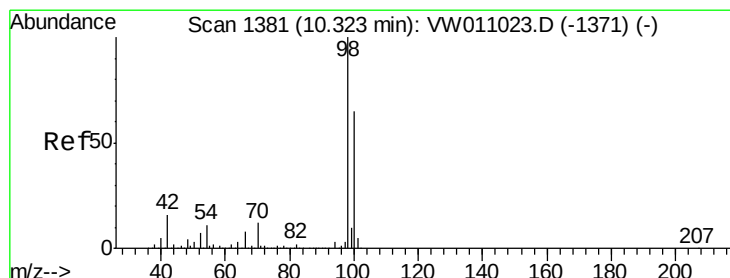
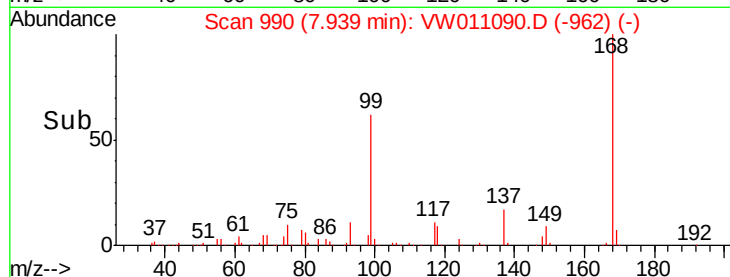
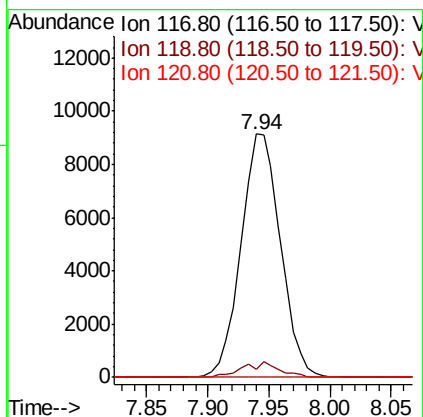
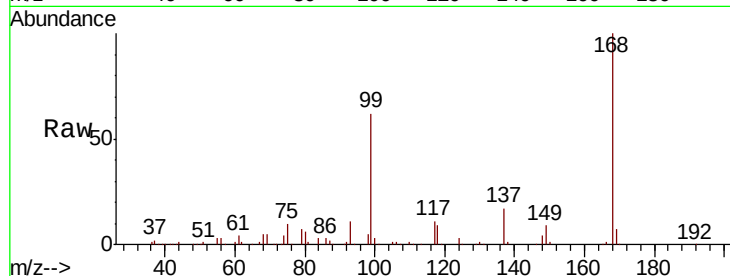




#38
Carbon Tetrachloride
Concen: 6.720 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

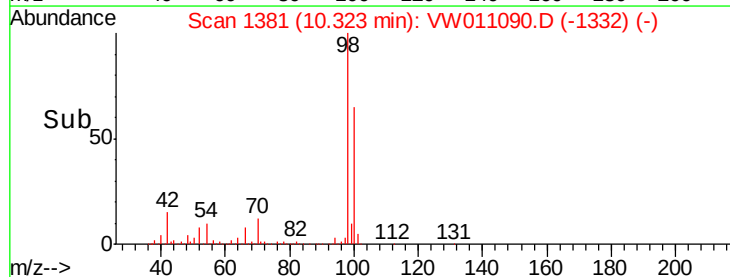
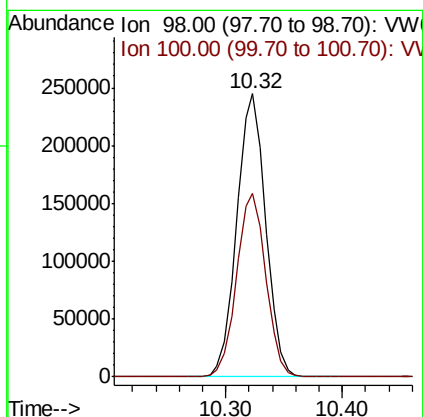
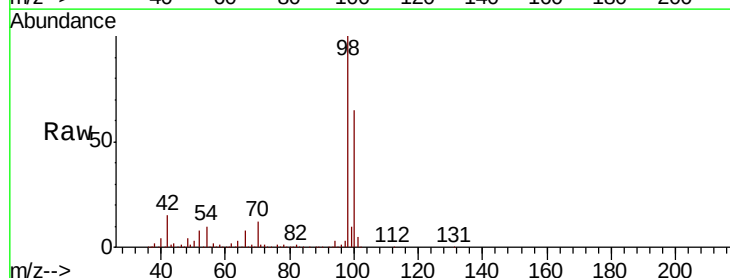
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-16

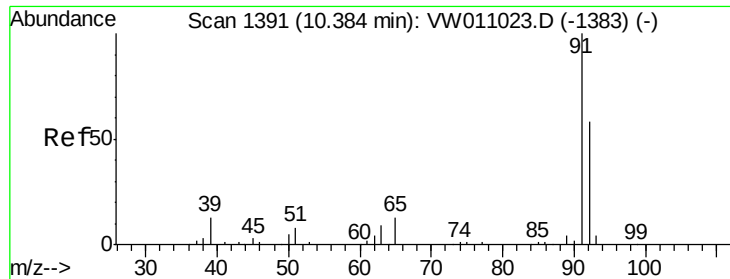
Tot Ion:117 Resp: 20480
Ion Ratio Lower Upper
117 100
119 3.5 77.7 116.5#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.002 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

Tgt Ion: 98 Resp: 424098
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#52

Toluene

Concen: 2.128 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

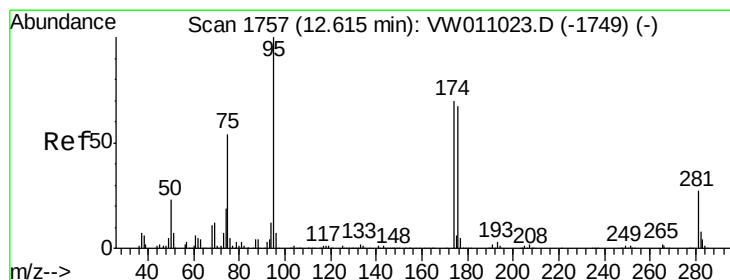
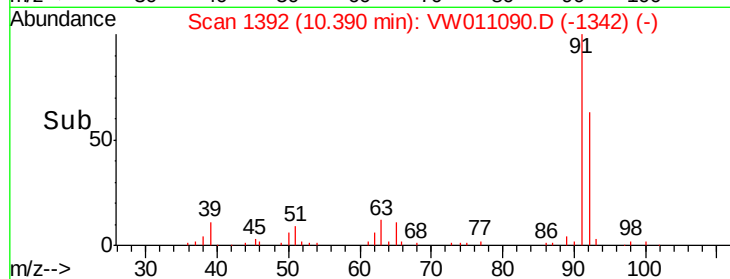
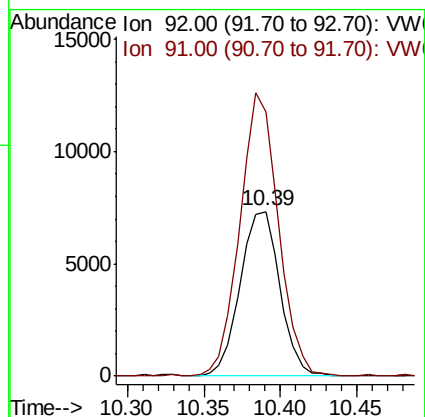
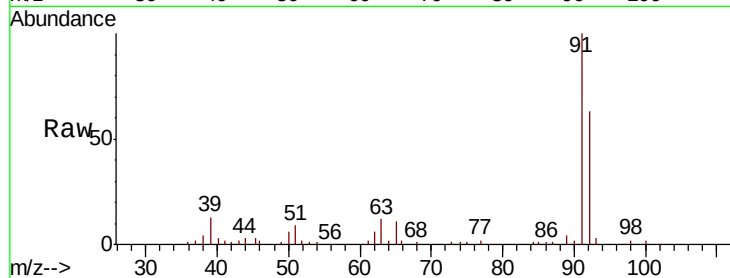
SAMPLE-16

Tot Ion: 92 Resp: 13264

Ion Ratio Lower Upper

92 100

91 166.1 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 43.159 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

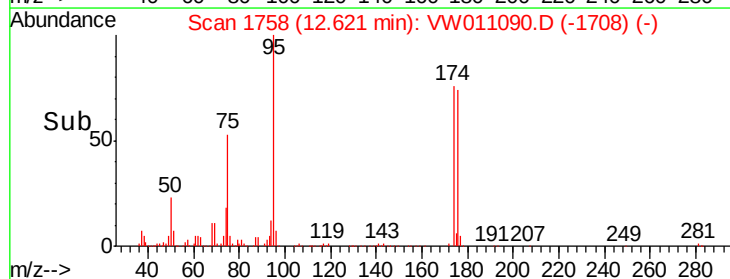
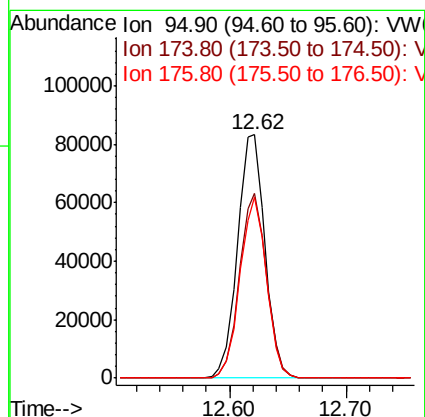
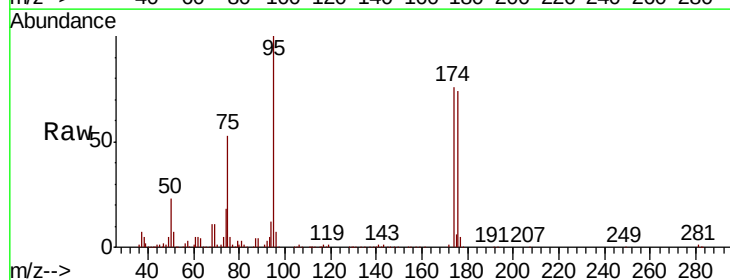
Tgt Ion: 95 Resp: 136619

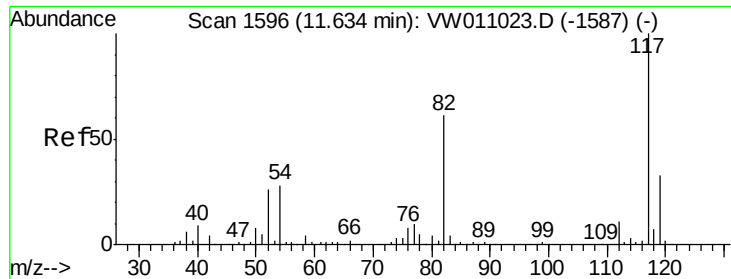
Ion Ratio Lower Upper

95 100

174 75.0 0.0 149.2

176 72.0 0.0 143.6

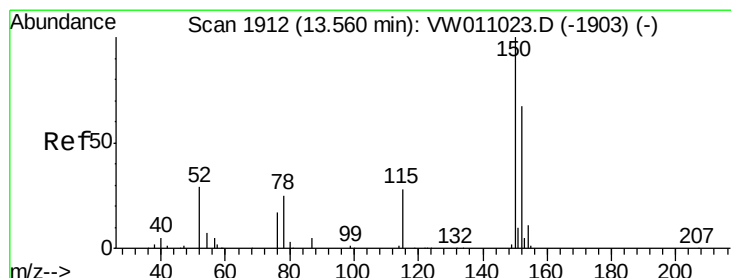
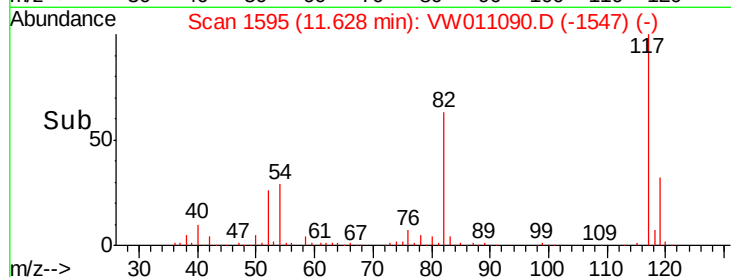
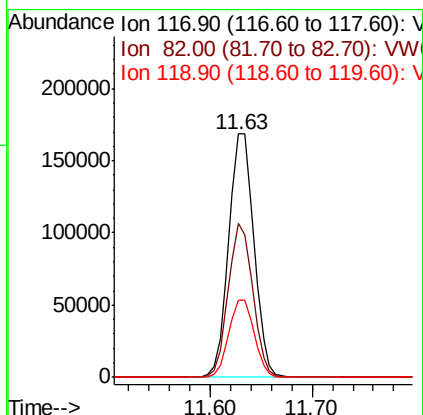
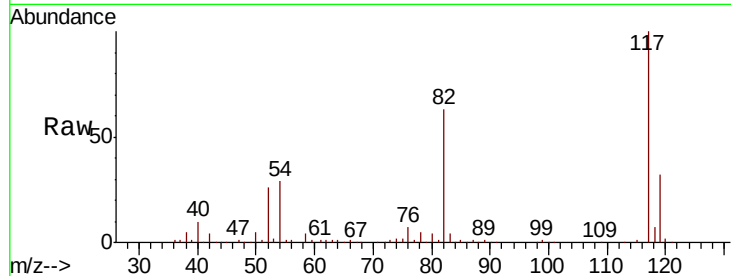




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

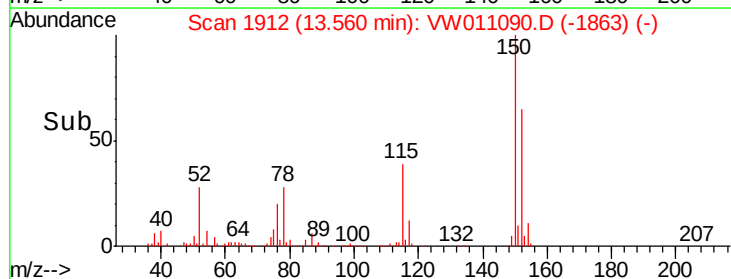
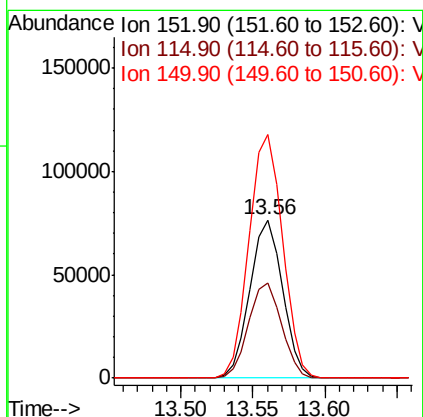
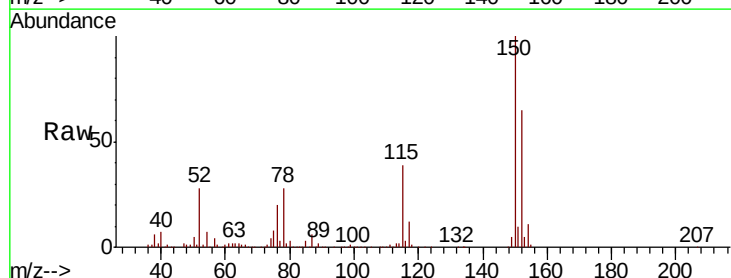
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-16

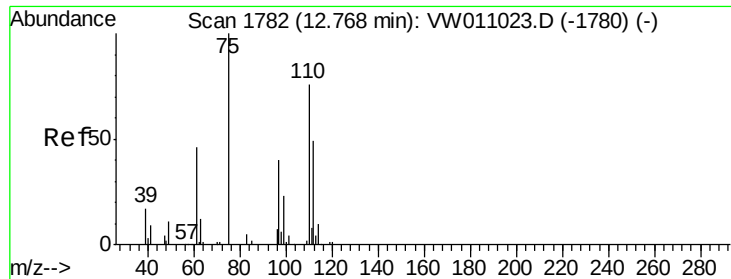
Tot Ion:117 Resp: 287607
Ion Ratio Lower Upper
117 100
82 63.2 48.6 73.0
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011090.D
Acq: 01 Jul 2019 17:35

Tgt Ion:152 Resp: 120221
Ion Ratio Lower Upper
152 100
115 60.7 30.7 92.1
150 158.5 0.0 341.8





#76

1,2,3-Trichloropropane

Concen: 58.793 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA_W

ClientSampled :

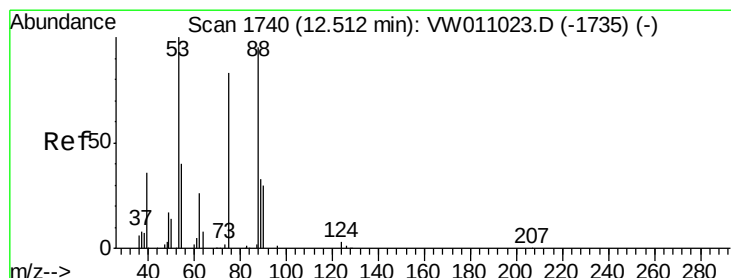
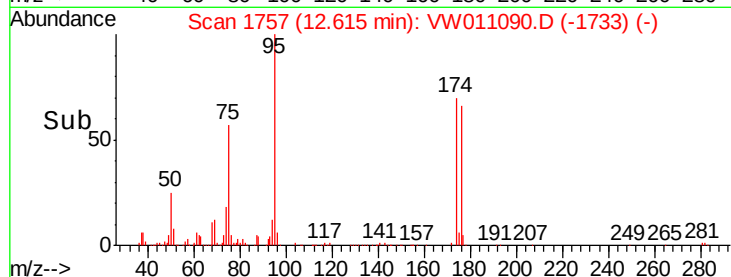
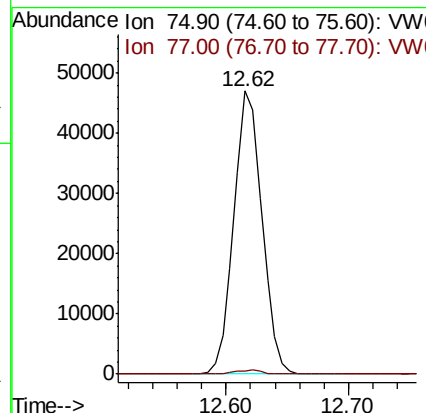
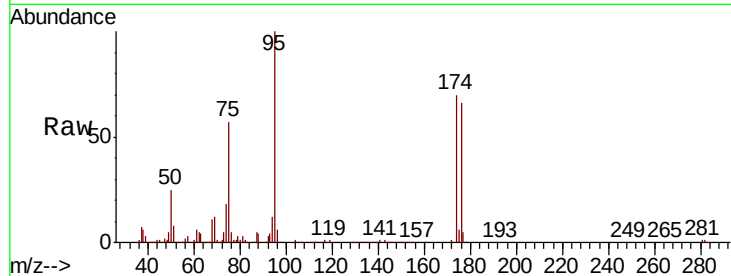
SAMPLE-16

Tot Ion: 75 Resp: 74621

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.934 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Tgt Ion: 75 Resp: 74621

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#

