

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011929.D
 Acq On : 15 Aug 2019 15:44
 Operator : SY/VA
 Sample : K4254-01
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 15 16:38:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116074	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	131694	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
35) Dibromofluoromethane	7.88	113	107312	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
50) Toluene-d8	10.32	98	419874	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.62	95	133250	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	

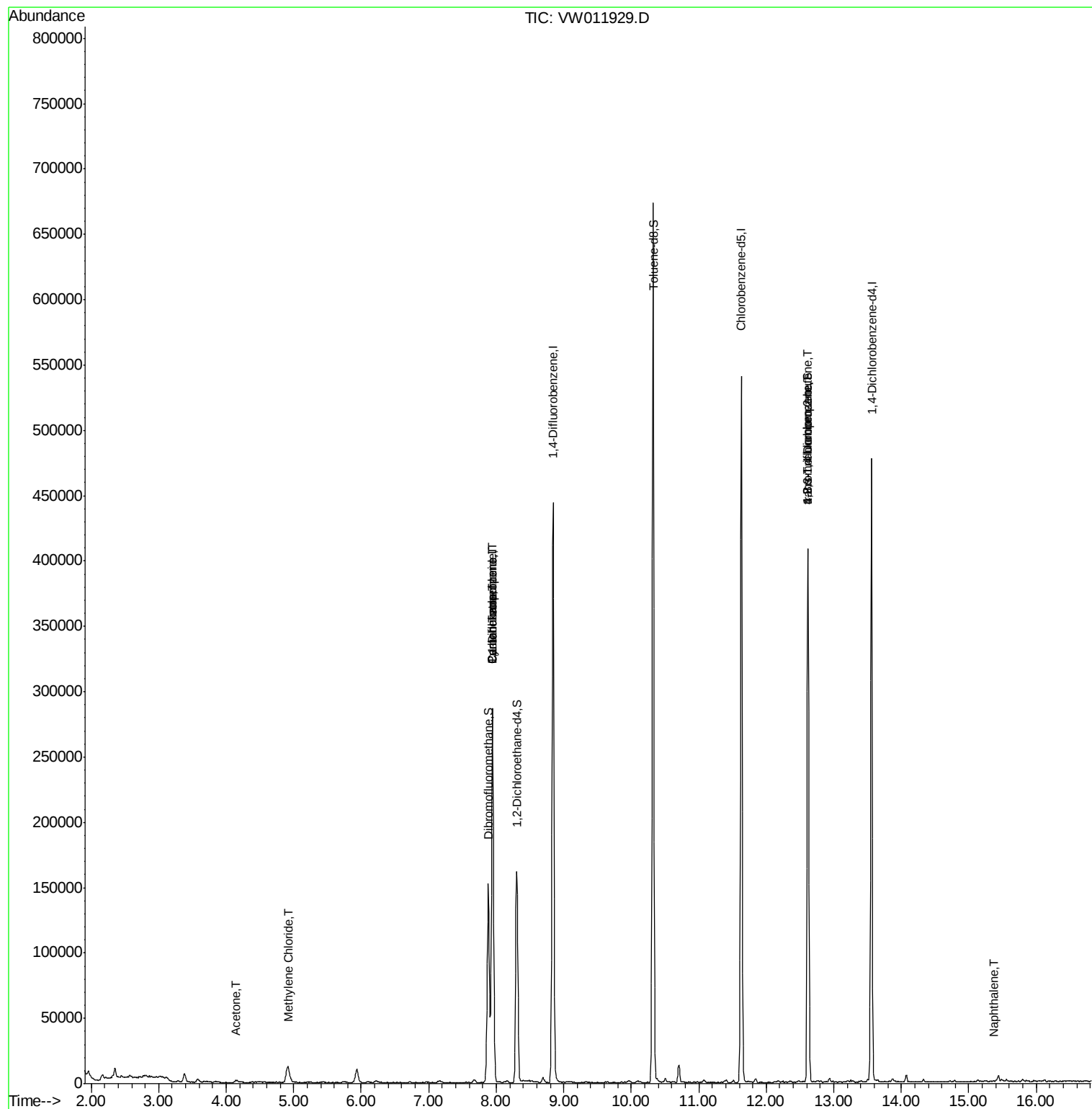
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	198	Below Cal	#	72
16) Acetone	4.14	43	4034	5.442	ug/l	94
20) Methylene Chloride	4.92	84	9151	3.580	ug/l	94
31) Cyclohexane	7.95	56	5653	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17948	5.071	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21361	7.051	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	72348	58.906	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72348	135.758	ug/l #	6
95) Naphthalene	15.37	128	798	2.233	ug/l #	72

(#) = 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: VW011929.D

Acq: 15 Aug 2019 15:44

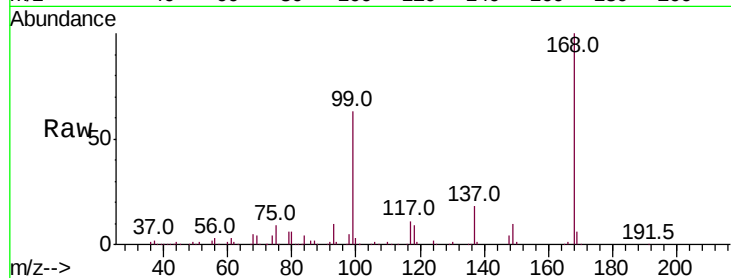
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 202923

Ion Ratio Lower Upper

168 100

99 63.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

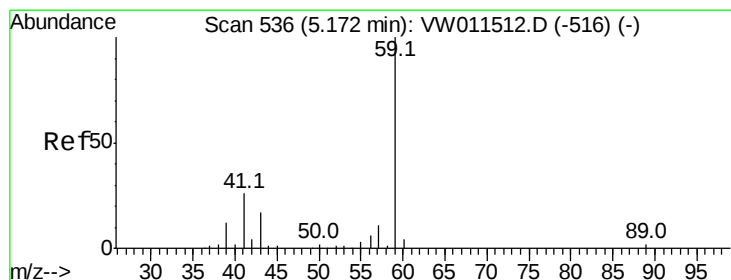
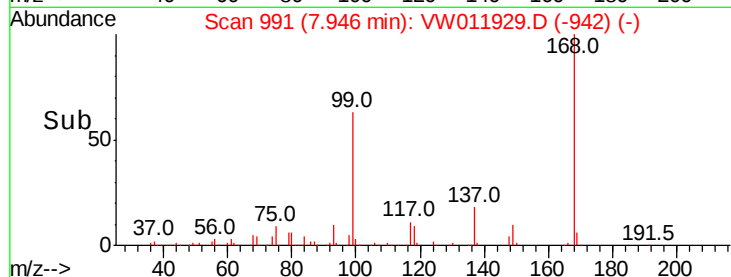
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011929.D

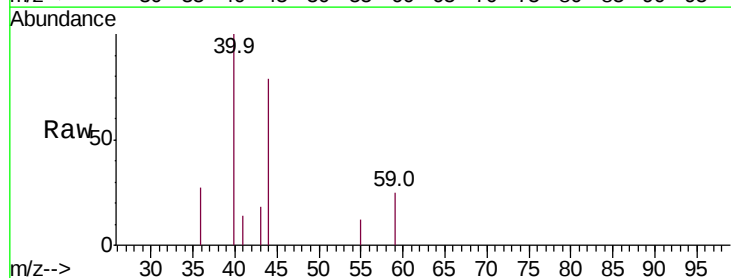
Acq: 15 Aug 2019 15:44

Tgt Ion: 59 Resp: 198

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

120

100

80

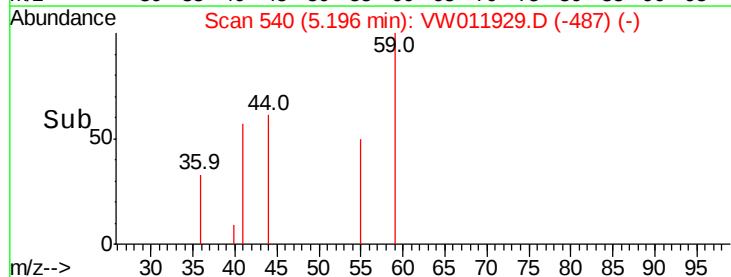
60

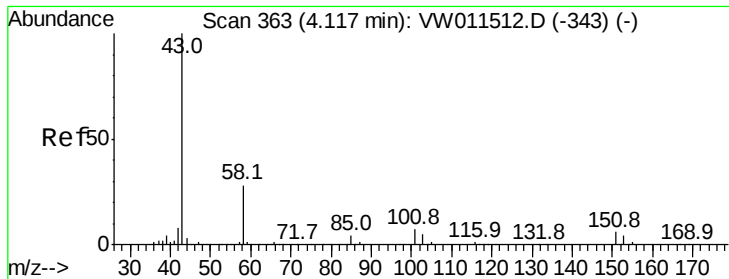
40

20

0

Time--> 5.16 5.18 5.20 5.22





#16

Acetone

Concen: 5.442 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

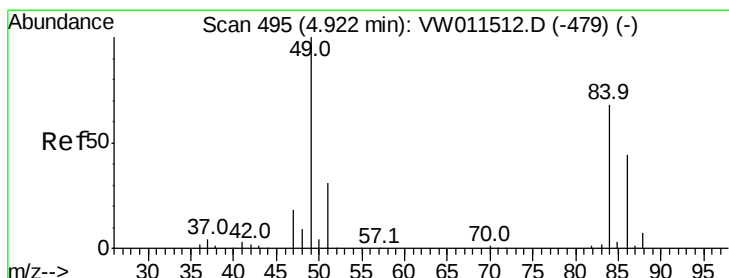
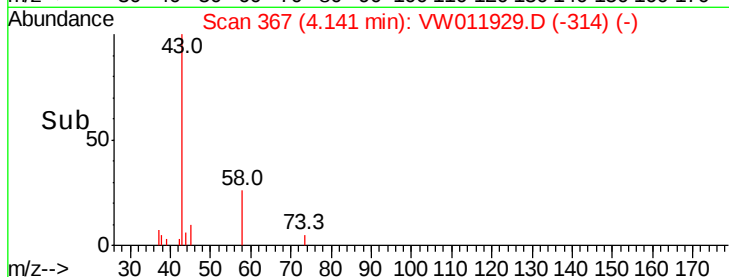
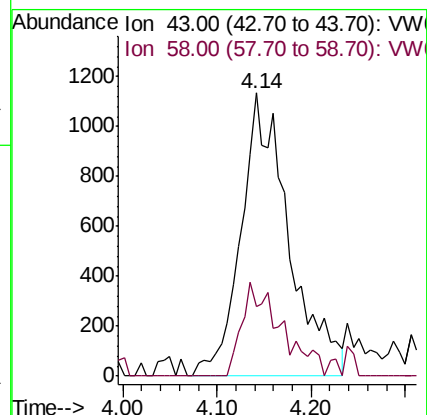
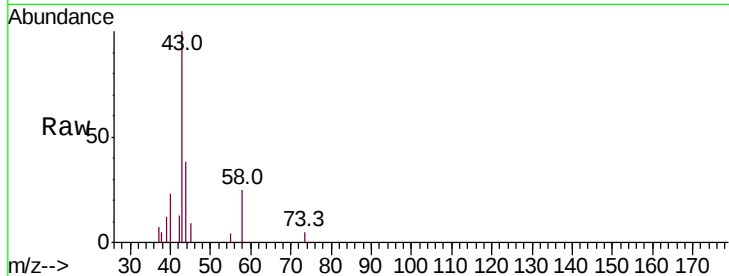
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4034

Ion Ratio Lower Upper

43 100

58 24.5 22.3 33.5



#20

Methylene Chloride

Concen: 3.580 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Tgt Ion: 84 Resp: 9151

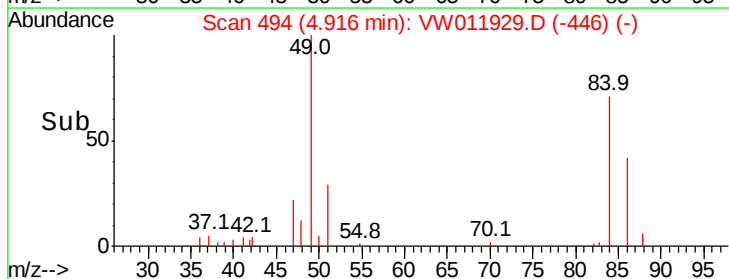
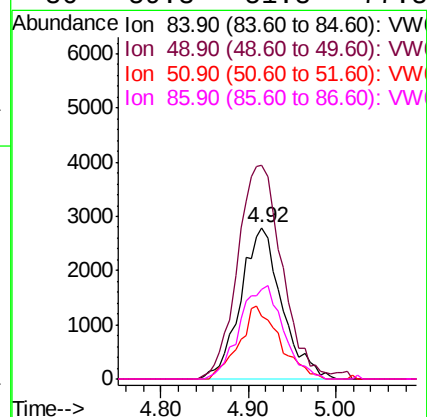
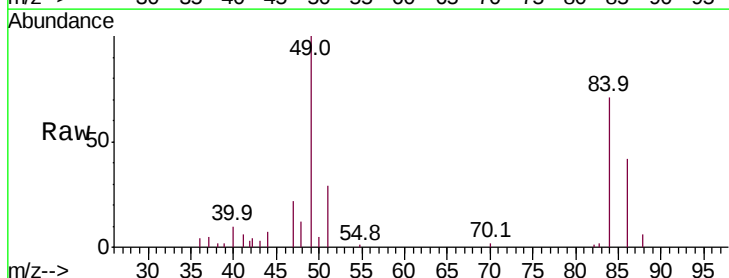
Ion Ratio Lower Upper

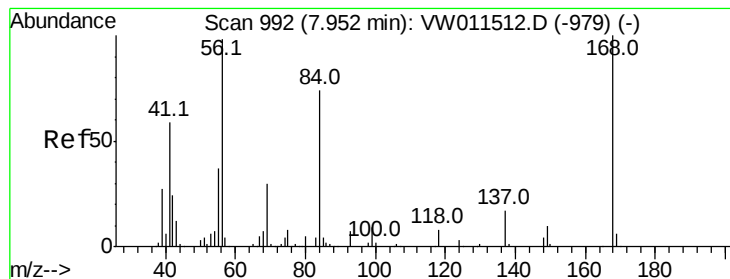
84 100

49 141.1 117.8 176.6

51 41.1 37.0 55.4

86 59.3 51.8 77.8





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

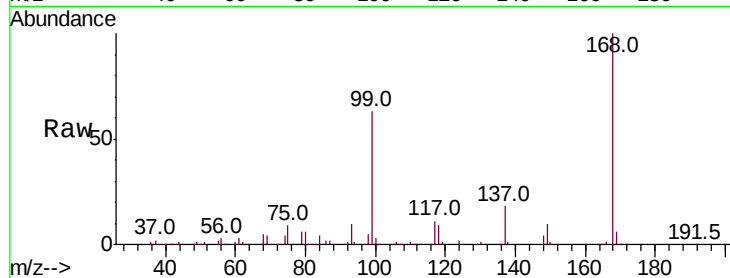
Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

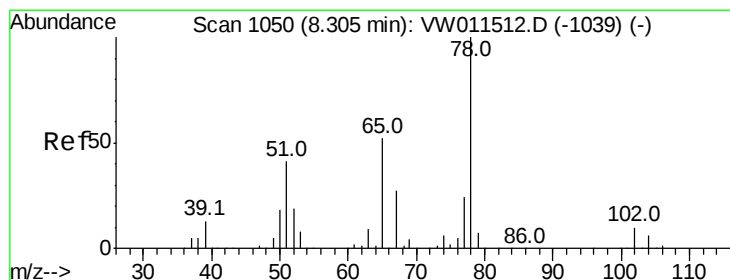
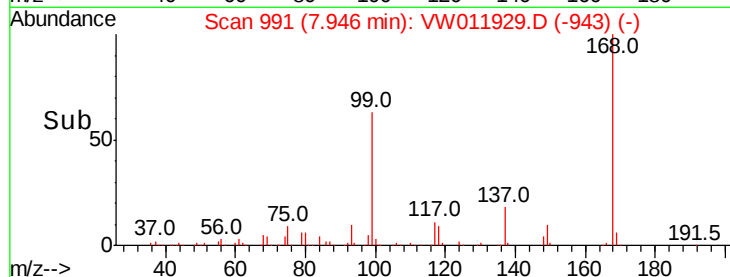
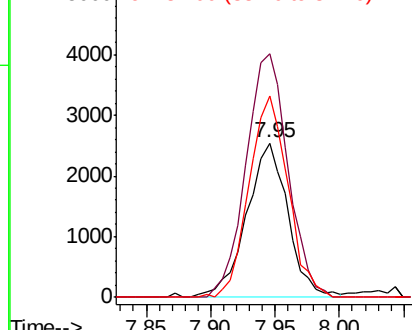
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5653

Ion	Ratio	Lower	Upper
56	100		
69	157.9	24.3	36.5#
84	130.6	60.4	90.6#



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: 56.518 ug/l

RT: 8.31 min Scan# 1050

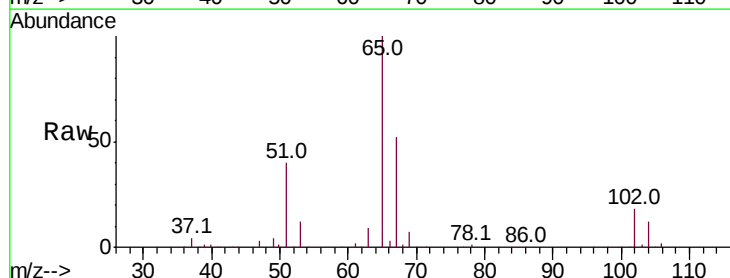
Delta R.T. 0.00 min

Lab File: VW011929.D

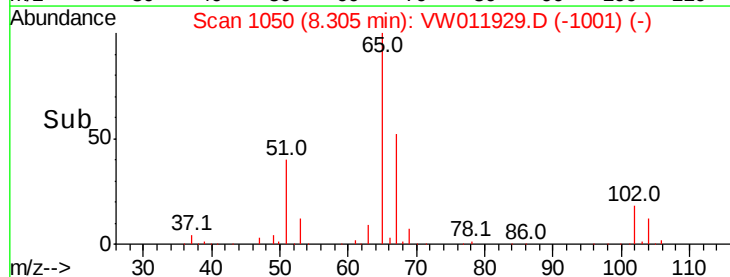
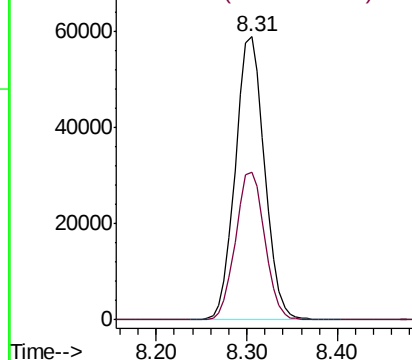
Acq: 15 Aug 2019 15:44

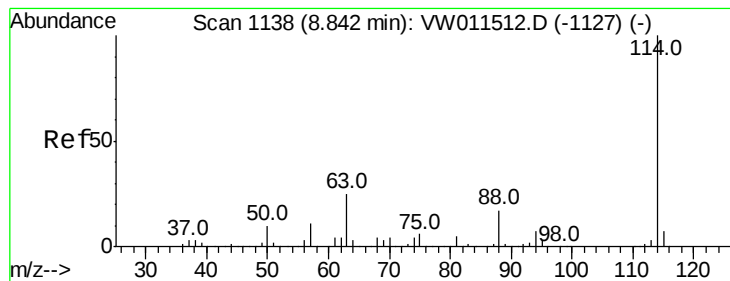
Tgt Ion: 65 Resp: 131694

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.2



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: VW011929.D

Acq: 15 Aug 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

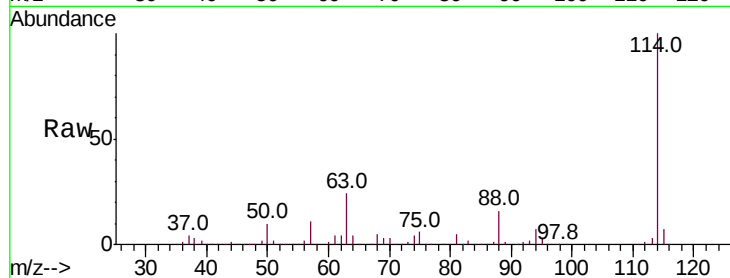
Tot Ion:114 Resp: 340353

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

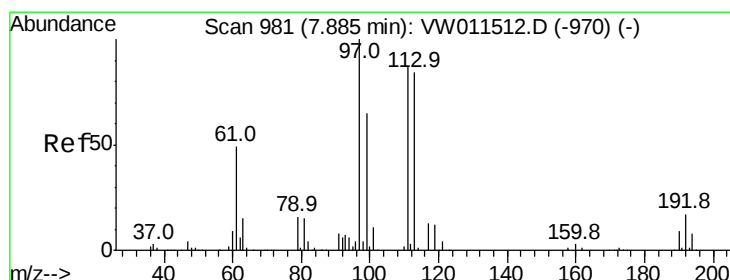
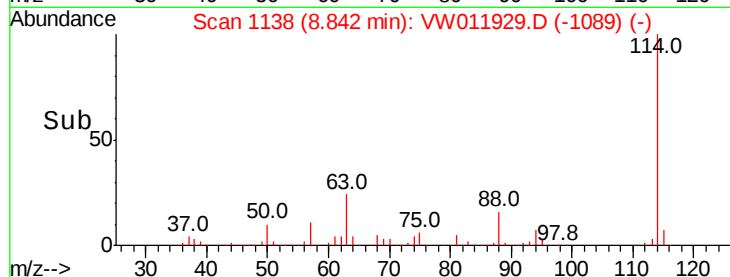
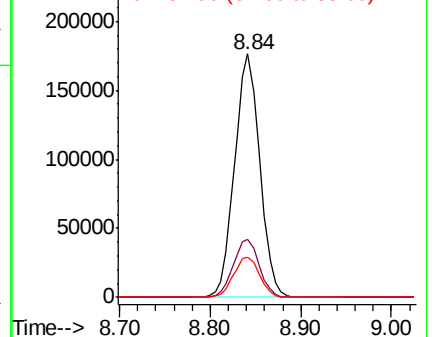
88 16.4 0.0 33.8



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: 56.201 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

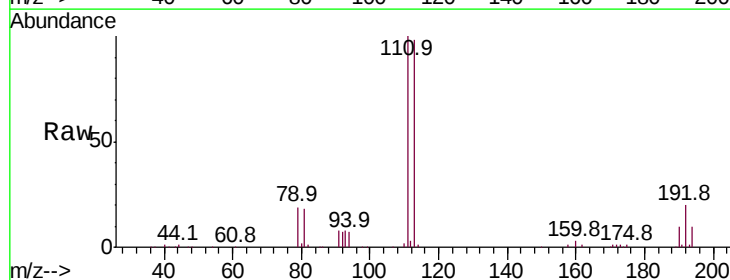
Tgt Ion:113 Resp: 107312

Ion Ratio Lower Upper

113 100

111 101.6 82.7 124.1

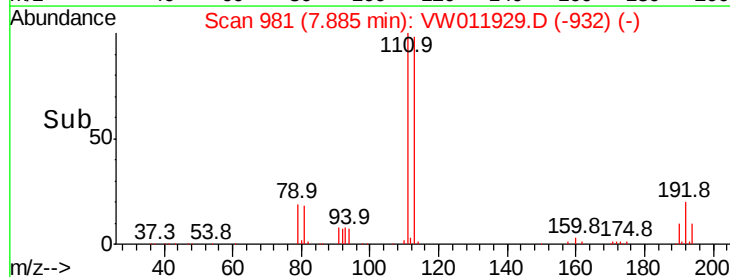
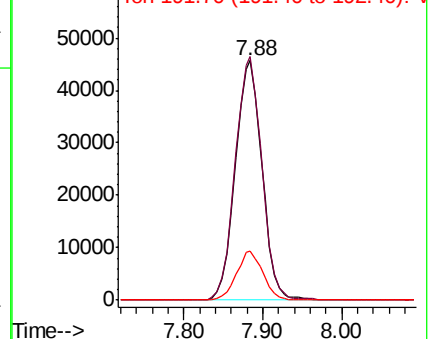
192 20.0 16.1 24.1

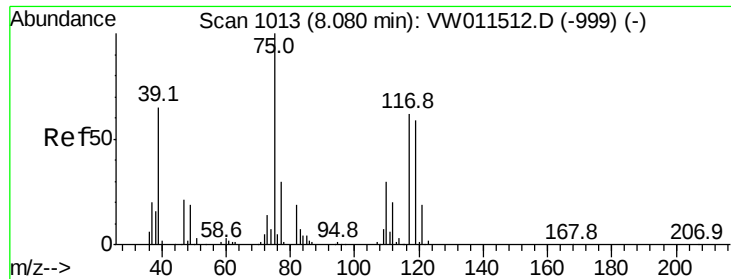


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.071 ug/l

RT: 7.95 min Scan# 991

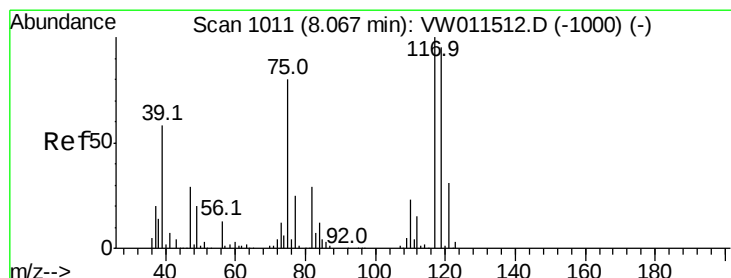
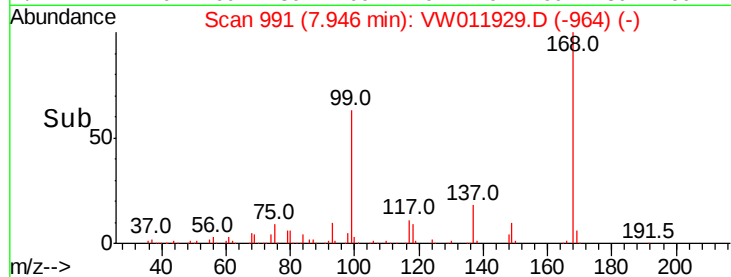
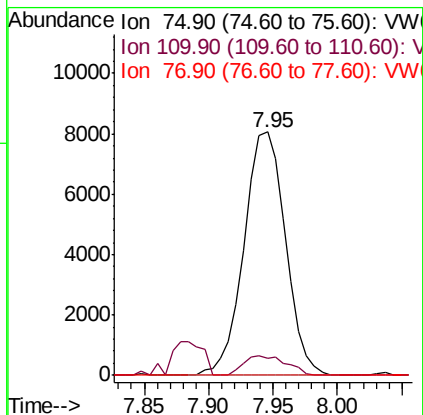
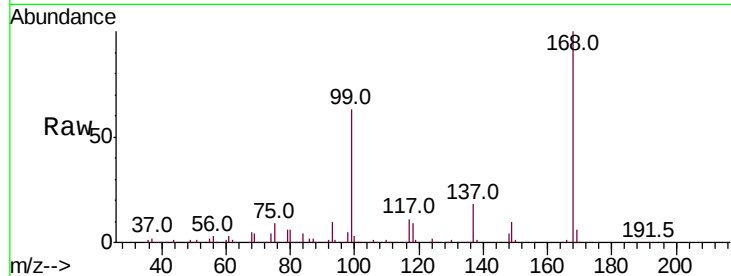
Delta R.T. -0.13 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	17948
Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 7.051 ug/l

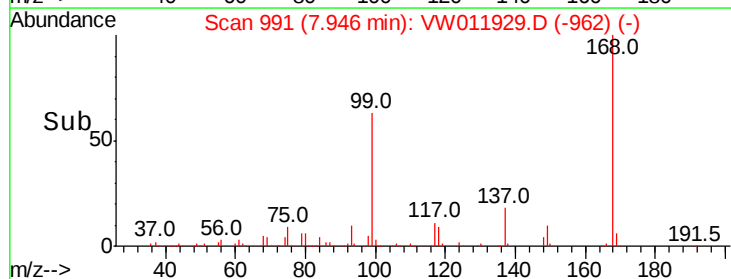
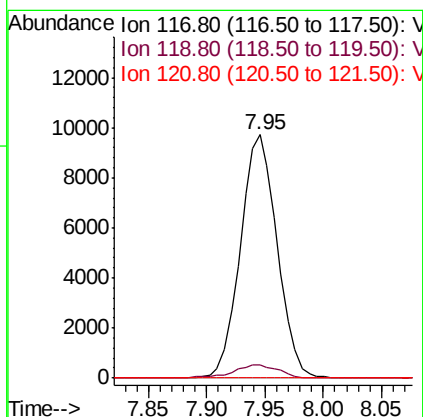
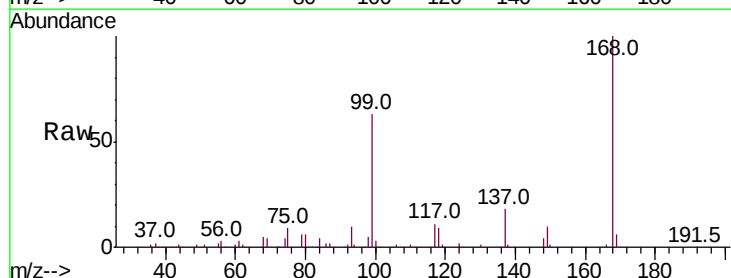
RT: 7.95 min Scan# 991

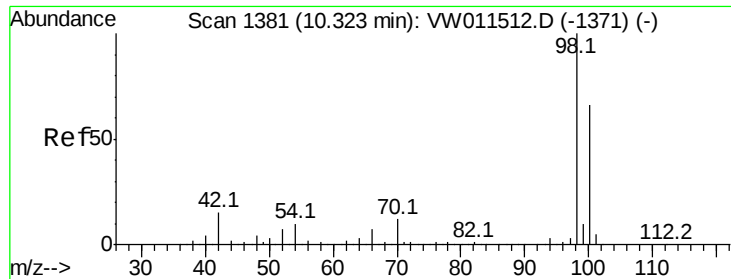
Delta R.T. -0.12 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Tgt Ion:	117	Resp:	21361
Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.707 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Instrument :

MSVOA_W

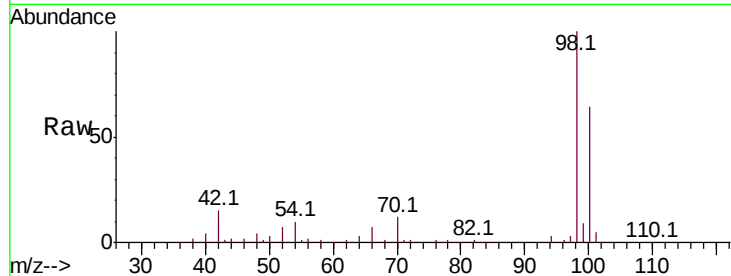
ClientSampled :

Tot Ion: 98 Resp: 419874

Ion Ratio Lower Upper

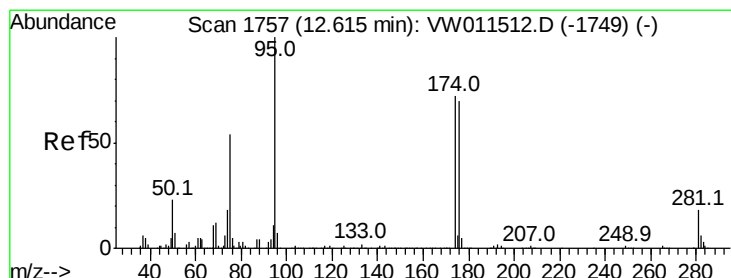
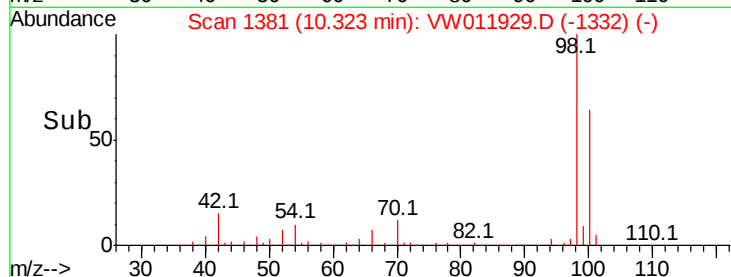
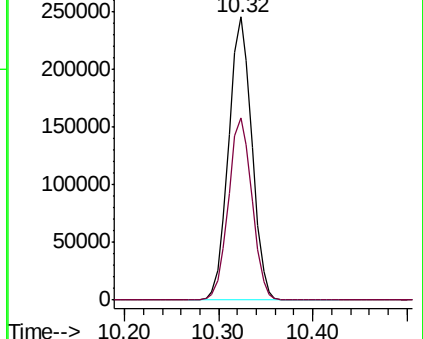
98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

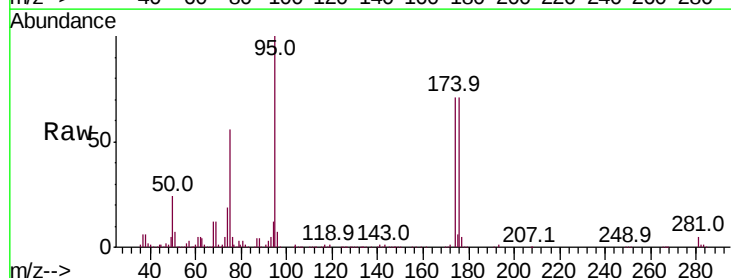
Tgt Ion: 95 Resp: 133250

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

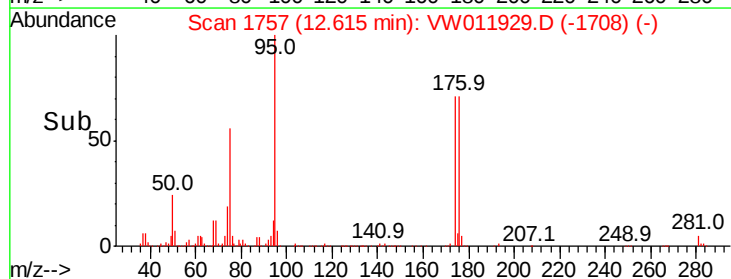
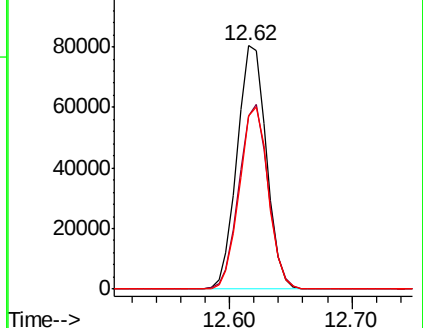
176 73.9 0.0 144.4

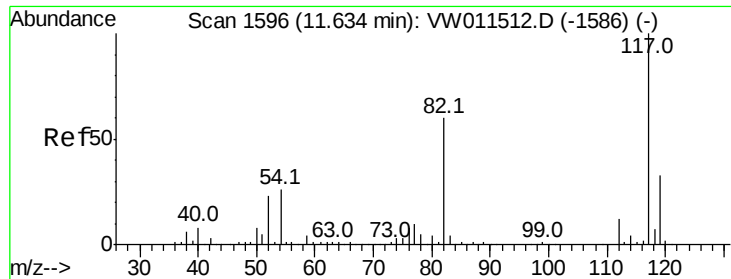


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

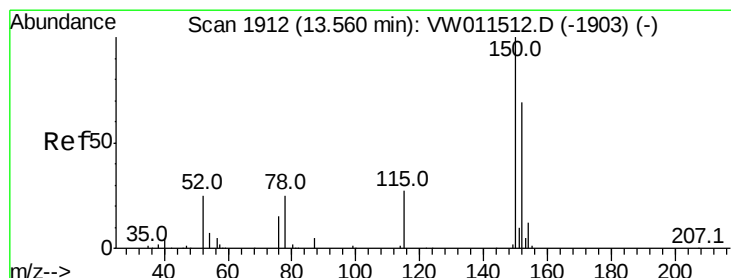
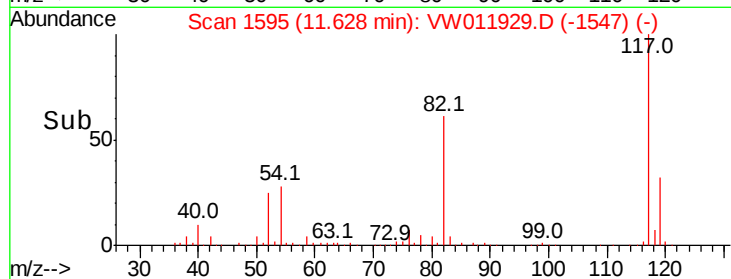
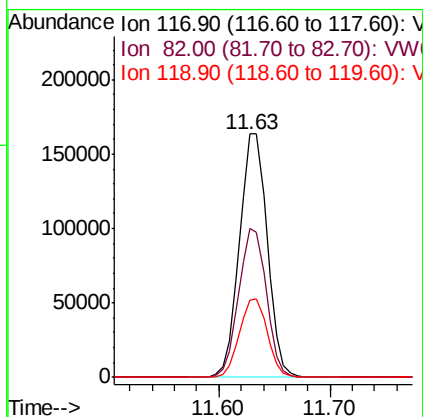
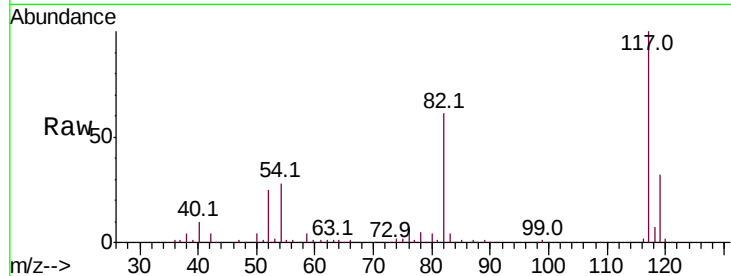




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011929.D
Acq: 15 Aug 2019 15:44

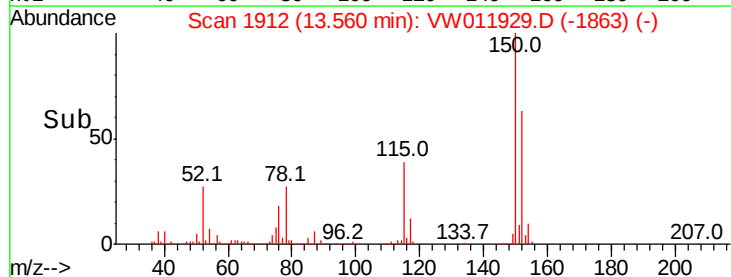
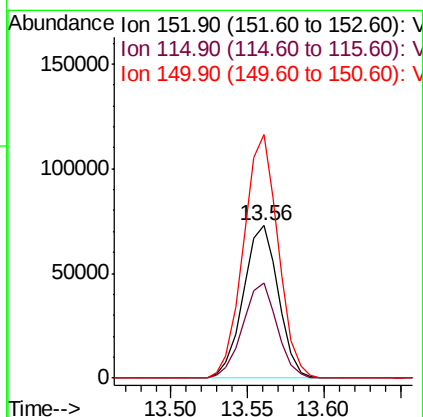
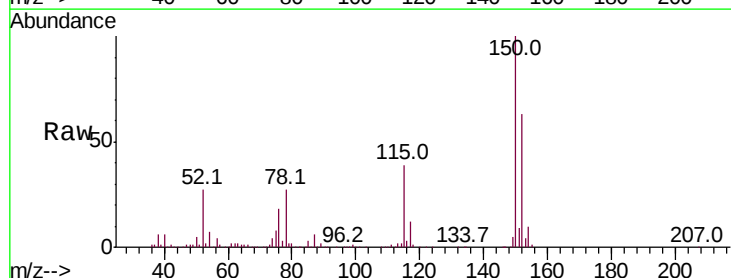
Instrument :
MSVOA_W
ClientSampled :

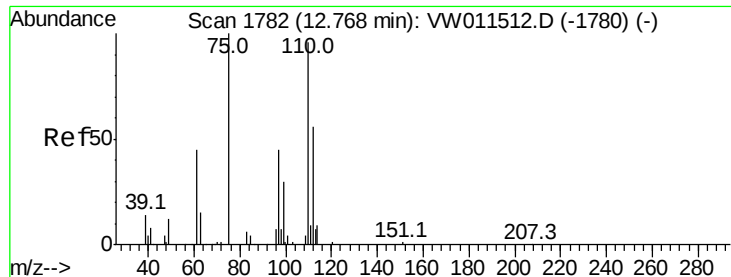
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.9	71.9
119	31.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011929.D
Acq: 15 Aug 2019 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.5	91.5
150	157.4	0.0	352.6





#76

1,2,3-Trichloropropane

Concen: 58.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Instrument :

MSVOA_W

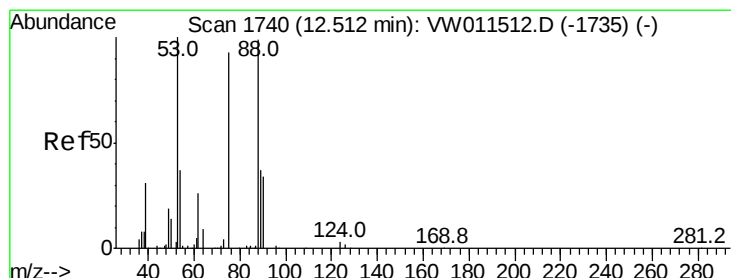
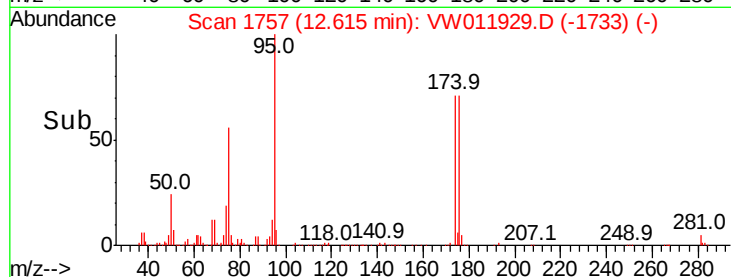
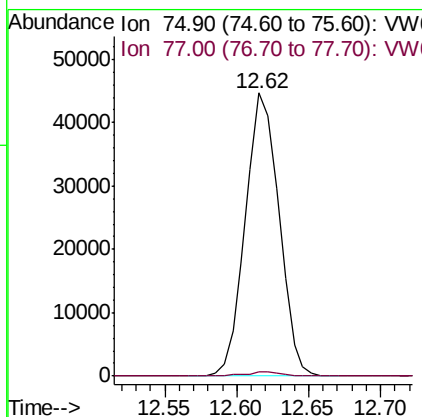
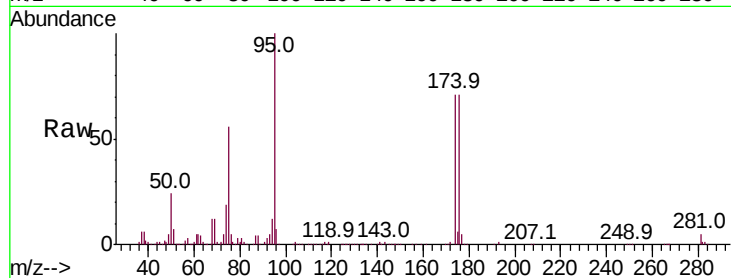
ClientSampleId :

Tot Ion: 75 Resp: 72348

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

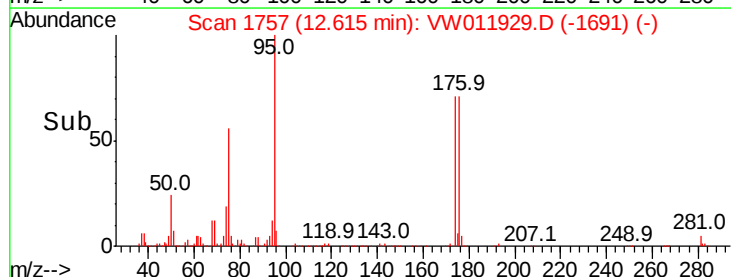
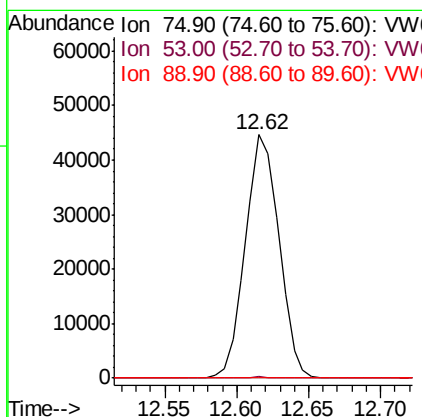
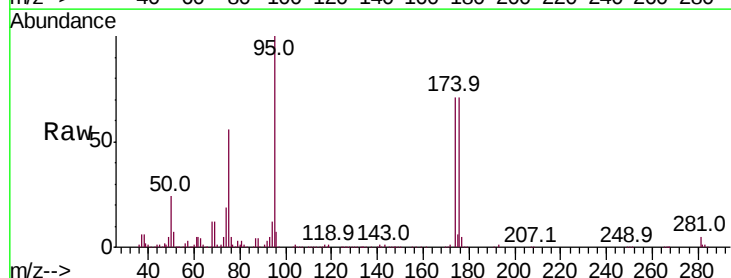
Tgt Ion: 75 Resp: 72348

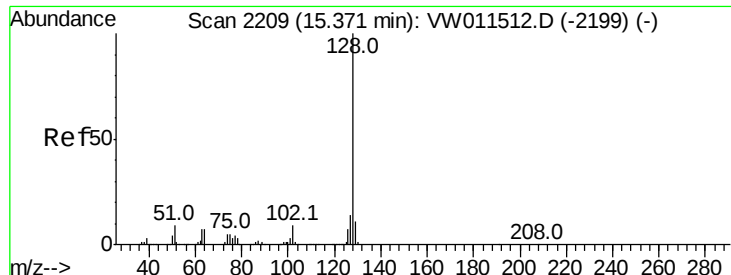
Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.233 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011929.D

Acq: 15 Aug 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

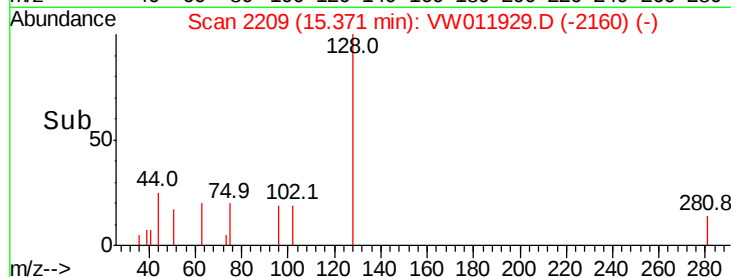
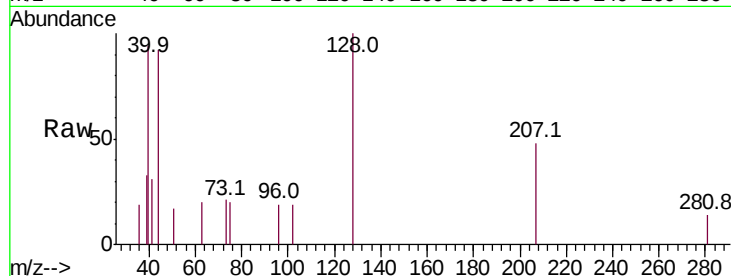
Tot Ion:128 Resp: 798

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 2.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

