

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011972.D
 Acq On : 16 Aug 2019 18:17
 Operator : SY/VA
 Sample : K4350-03
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SS-17A_081519

Quant Time: Aug 17 05:01:12 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	231617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131093	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	149498	56.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.42%	
35) Dibromofluoromethane	7.88	113	117929	53.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.94%	
50) Toluene-d8	10.32	98	474160	53.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.62	95	154048	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.58%	

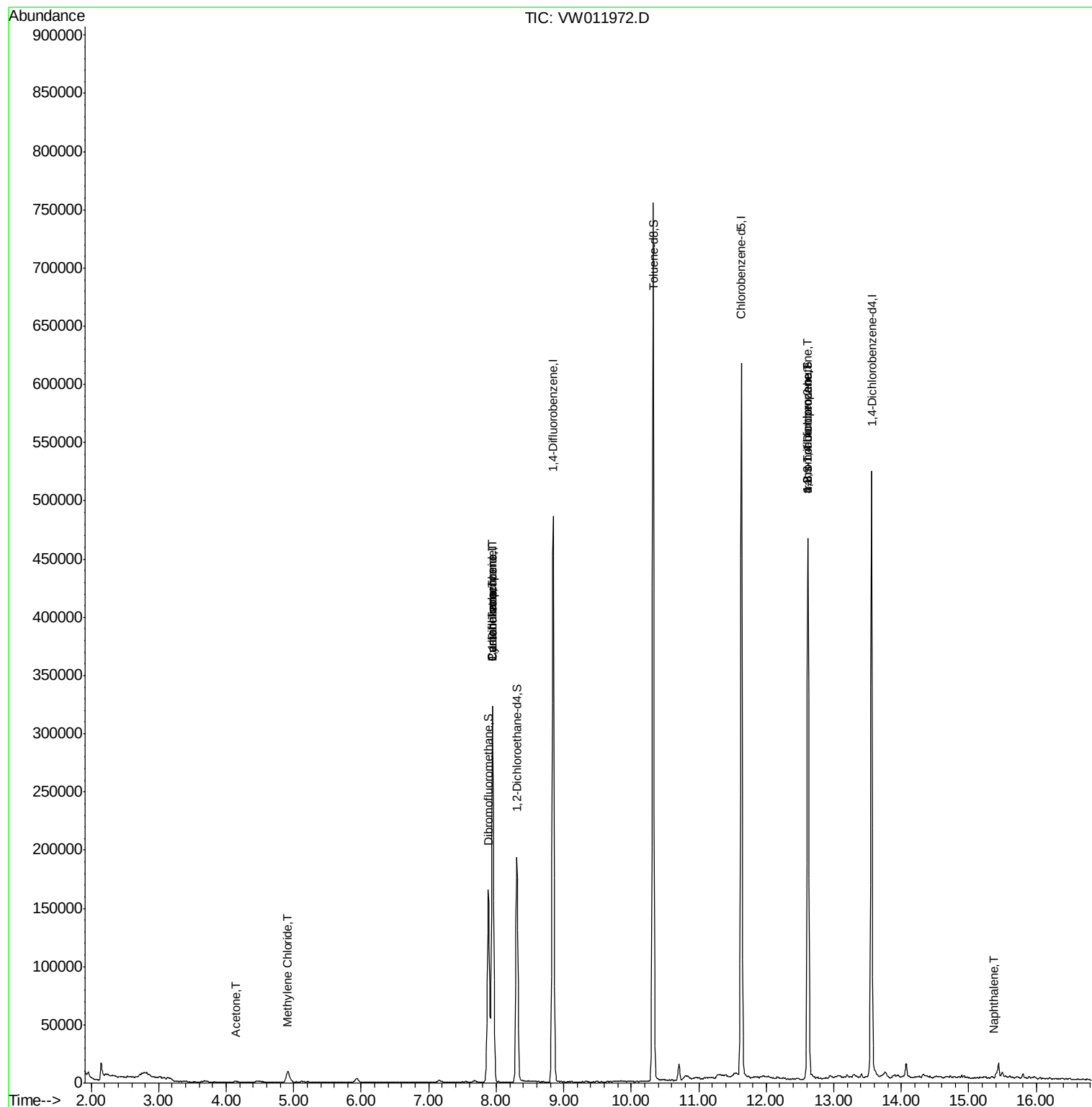
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	189	Below Cal	#	72
16) Acetone	4.14	43	1934	2.286	ug/l #	80
20) Methylene Chloride	4.91	84	6413	2.198	ug/l	95
31) Cyclohexane	7.95	56	5674	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19623	4.845	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22748	6.561	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	81111	58.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81111	134.764	ug/l #	6
95) Naphthalene	15.36	128	305	2.122	ug/l #	78

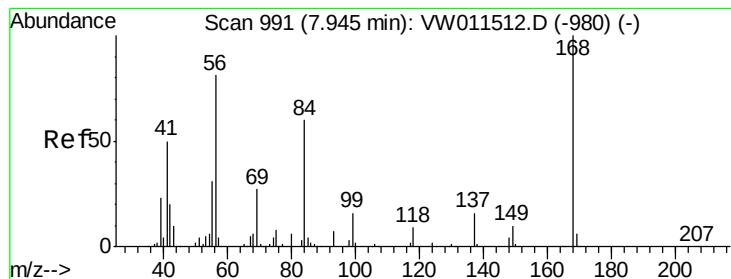
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

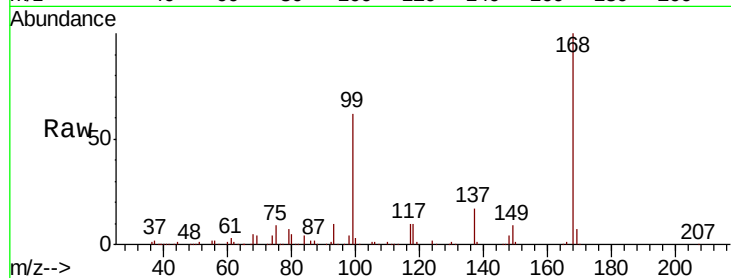
SS-17A_081519

Tgt Ion:168 Resp: 231617

Ion Ratio Lower Upper

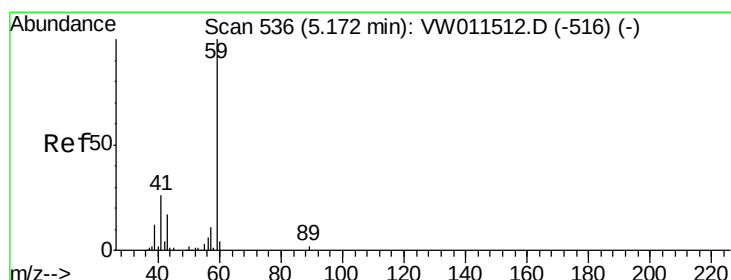
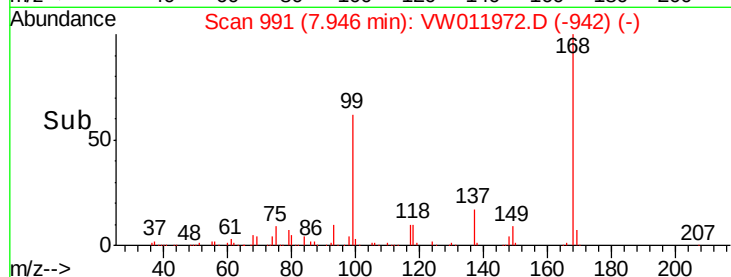
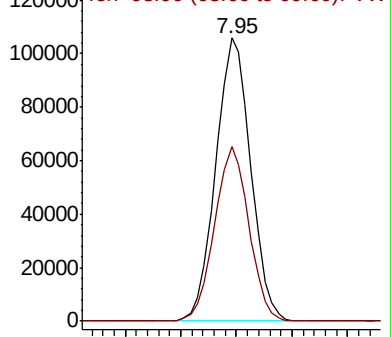
168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011972.D

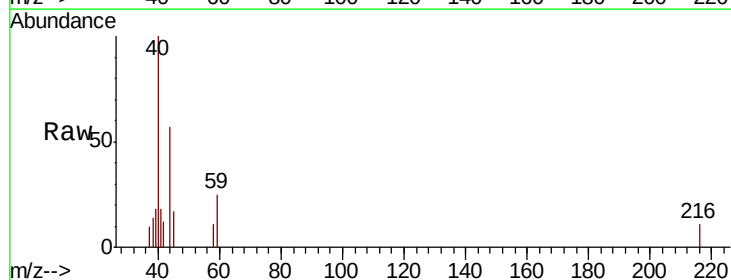
Acq: 16 Aug 2019 18:17

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

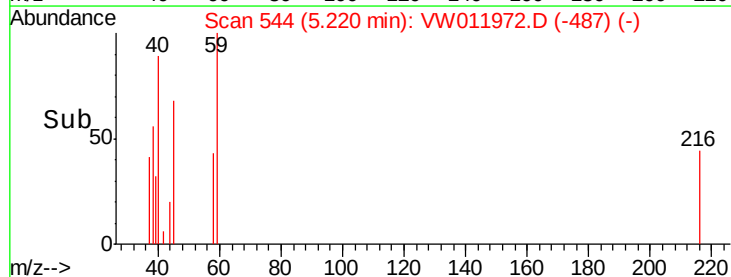
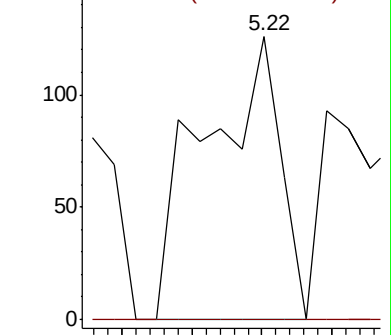
59 100

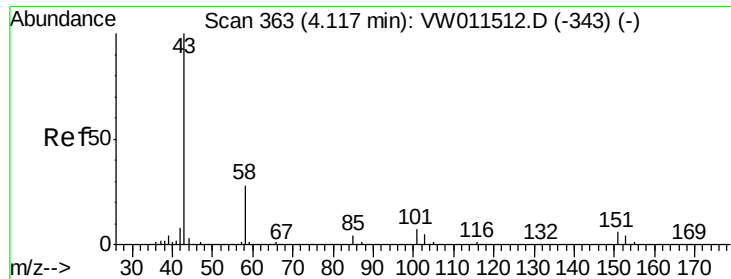
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.286 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

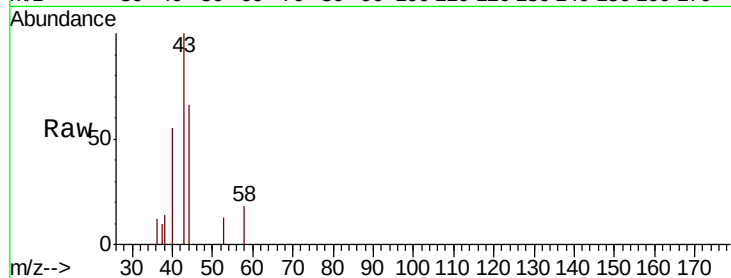
SS-17A_081519

Tgt Ion: 43 Resp: 1934

Ion Ratio Lower Upper

43 100

58 17.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

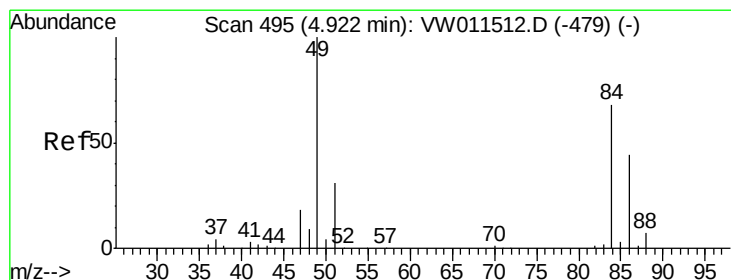
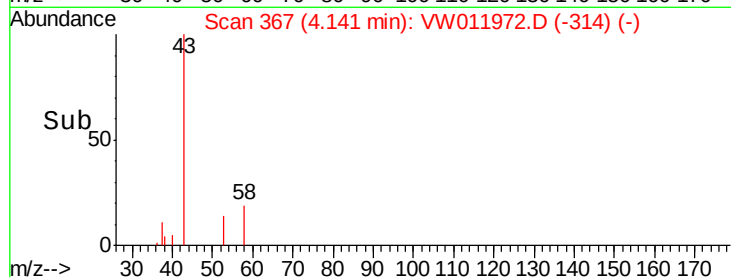
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 2.198 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

Tgt Ion: 84 Resp: 6413

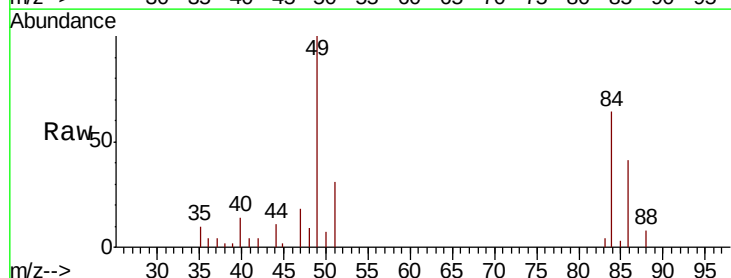
Ion Ratio Lower Upper

84 100

49 156.0 117.8 176.6

51 49.0 37.0 55.4

86 64.7 51.8 77.8



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

4000

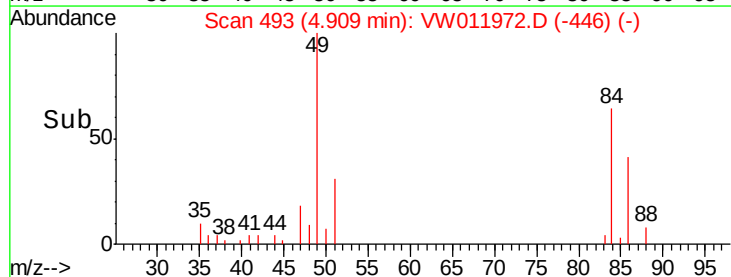
3000

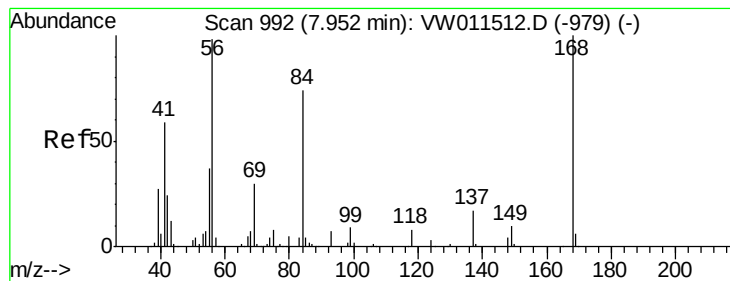
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

SS-17A_081519

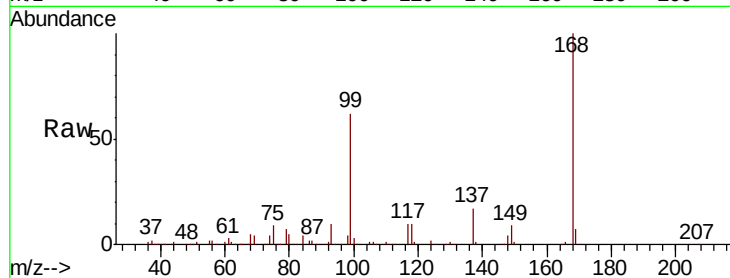
Tgt Ion: 56 Resp: 5674

Ion Ratio Lower Upper

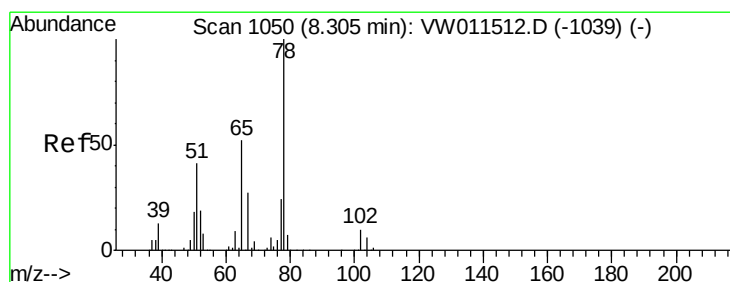
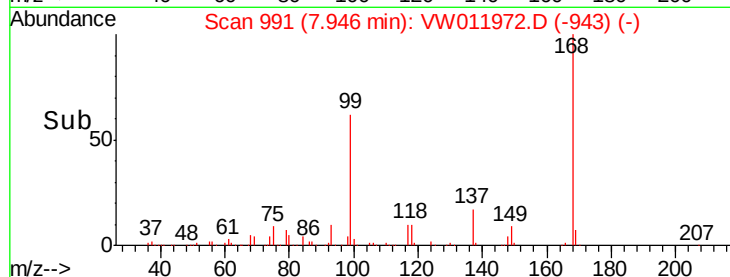
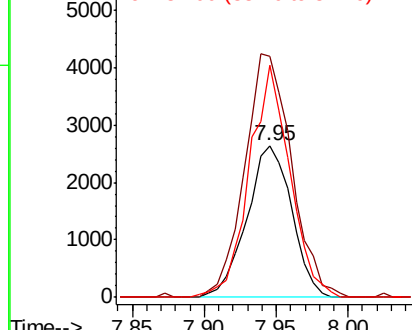
56 100

69 158.8 24.3 36.5#

84 152.8 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: 56.211 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011972.D

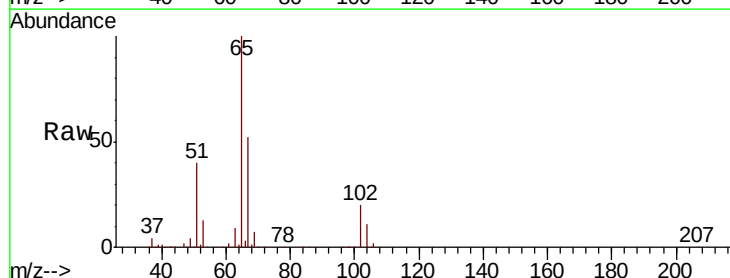
Acq: 16 Aug 2019 18:17

Tgt Ion: 65 Resp: 149498

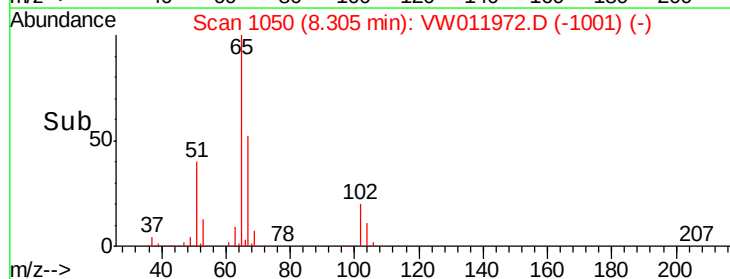
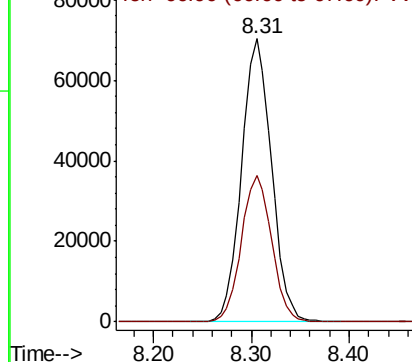
Ion Ratio Lower Upper

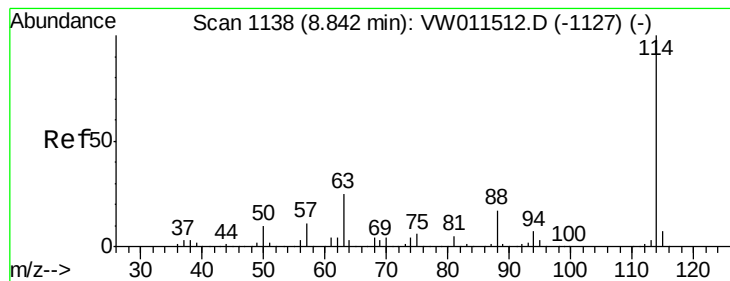
65 100

67 52.3 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: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

SS-17A_081519

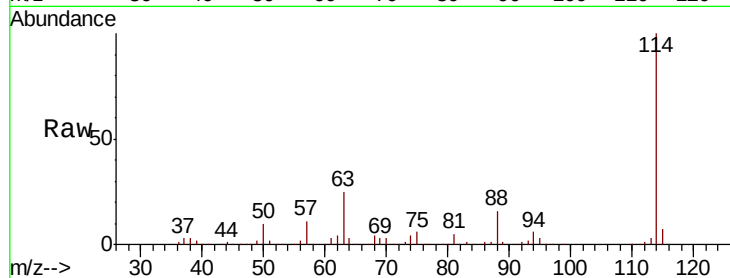
Tgt Ion:114 Resp: 389516

Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.2

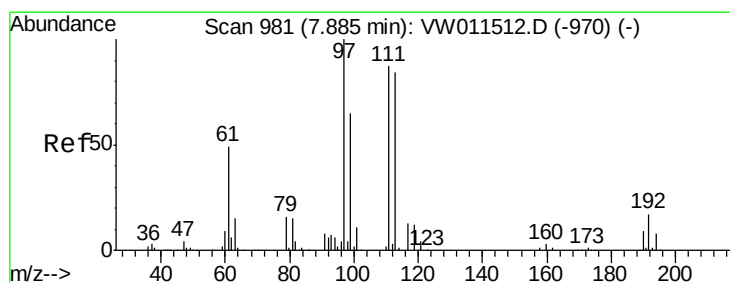
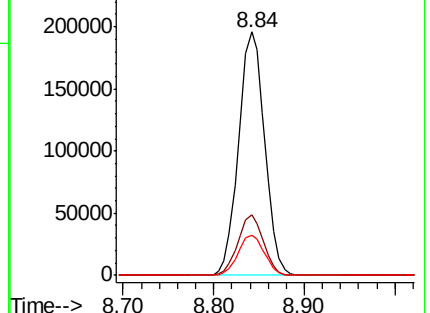
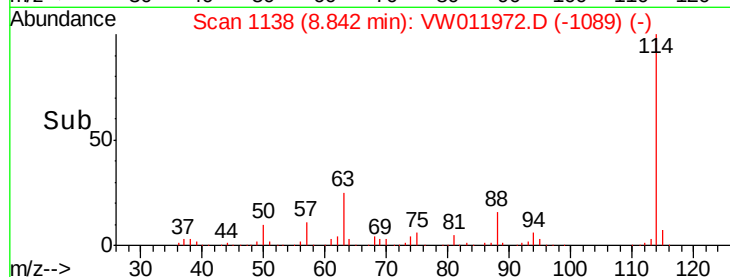
88 16.3 0.0 33.8



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: 53.966 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

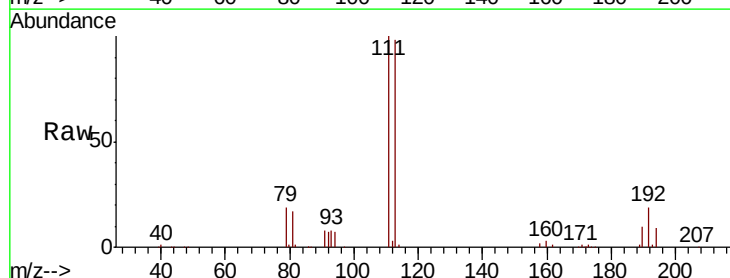
Tgt Ion:113 Resp: 117929

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

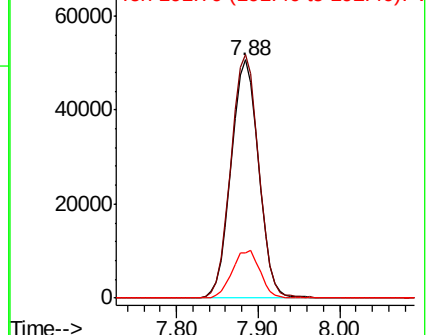
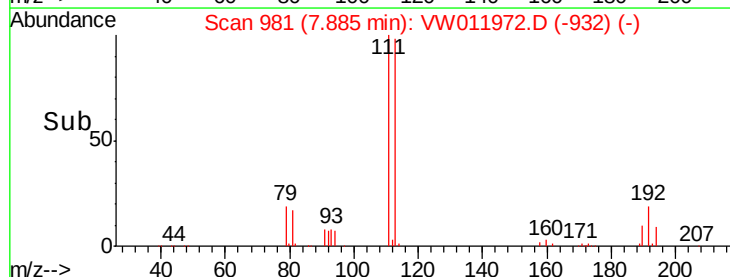
192 20.1 16.1 24.1

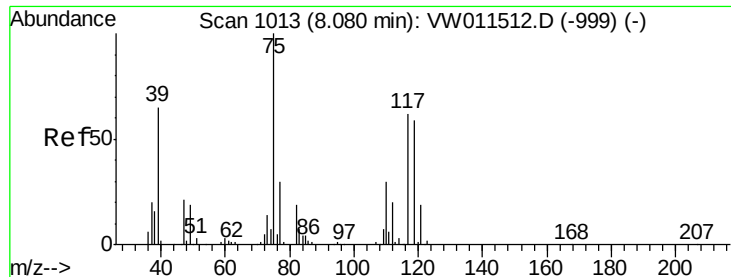


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

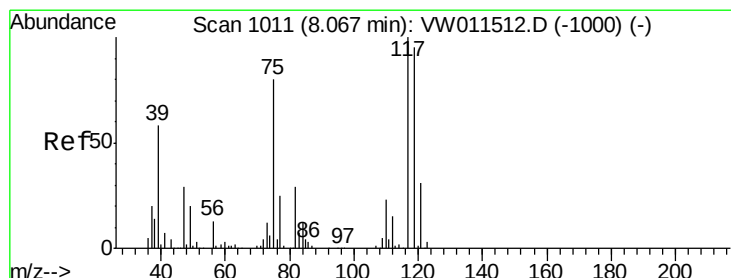
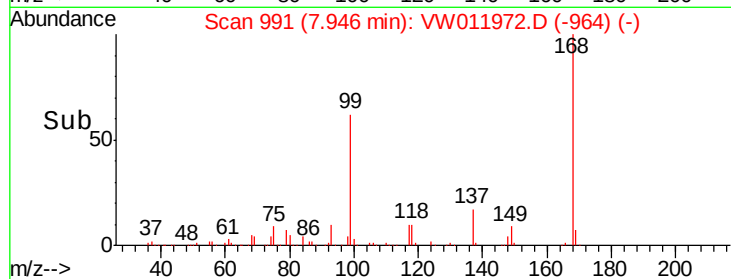
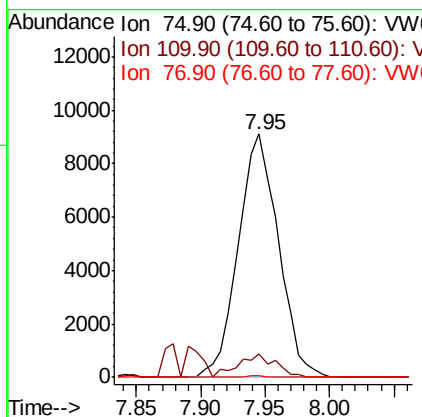
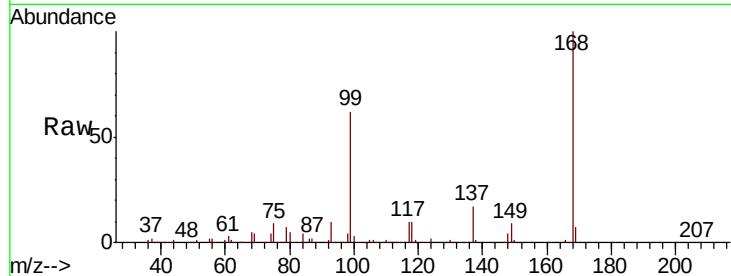




#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011972.D
 Acq: 16 Aug 2019 18:17

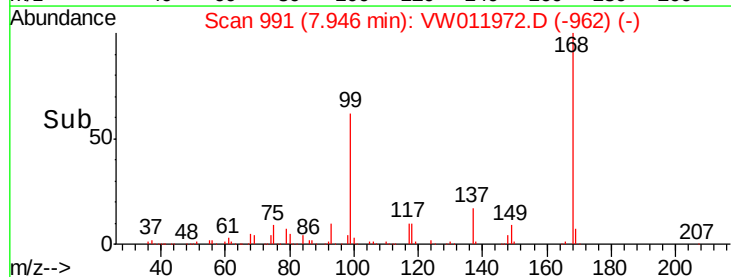
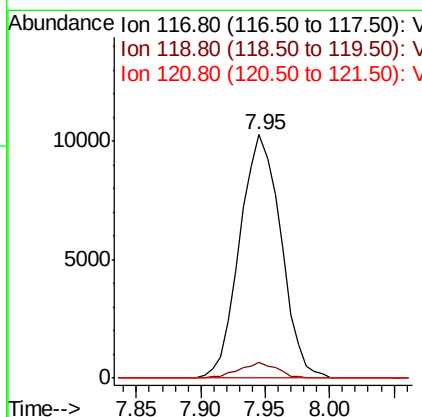
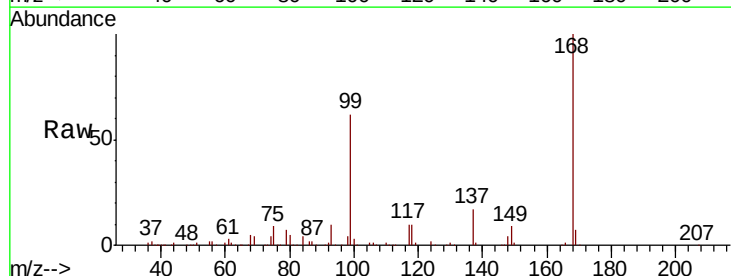
Instrument :
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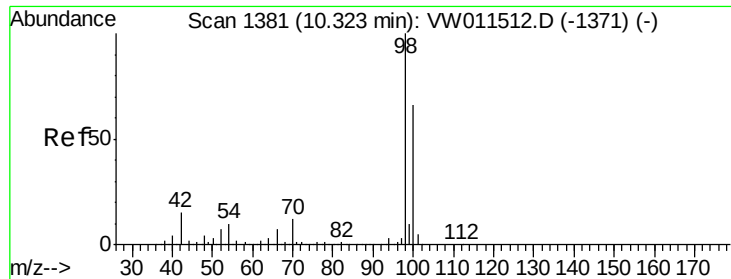
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.561 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011972.D
 Acq: 16 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.6#
121	0.0	24.7	37.1#

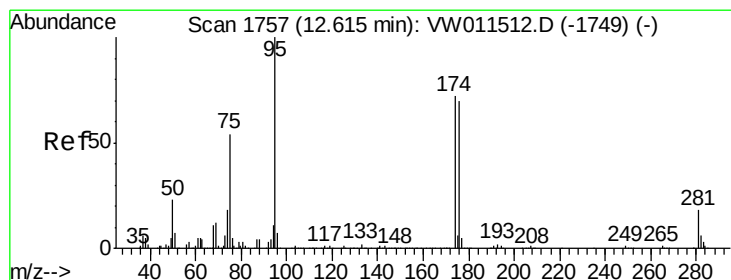
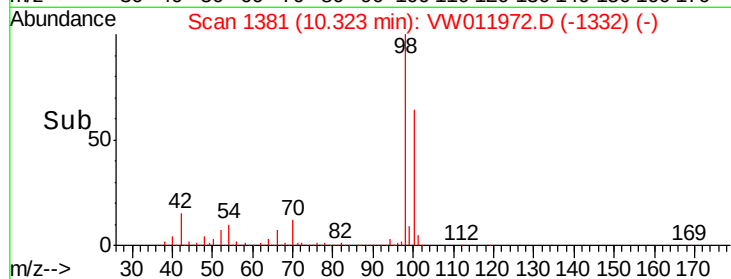
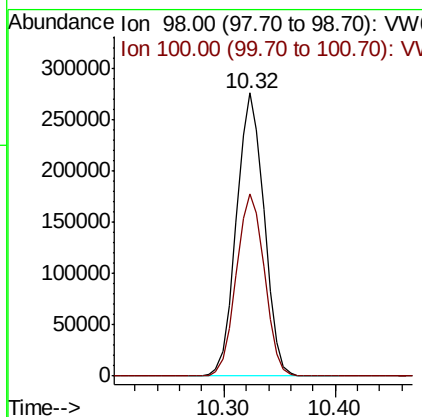
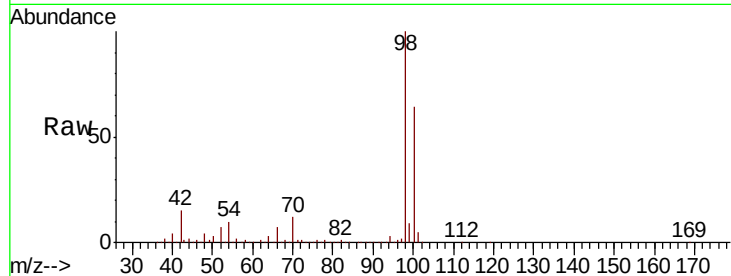




#50
Toluene-d8
Concen: 52.996 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011972.D
Acq: 16 Aug 2019 18:17

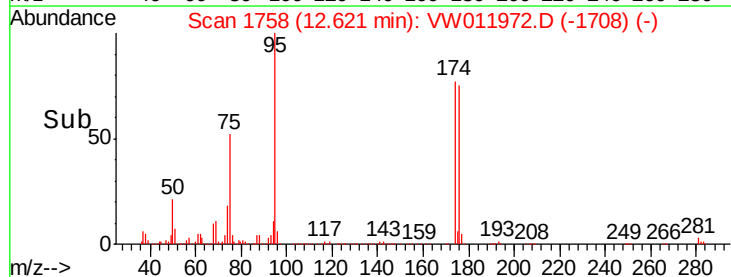
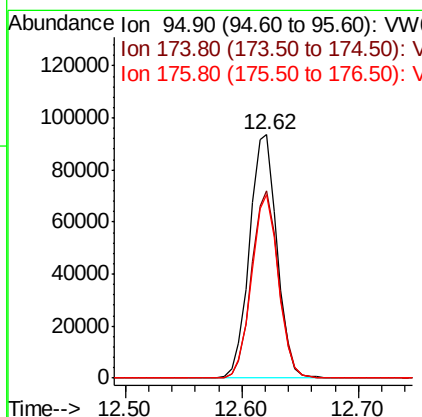
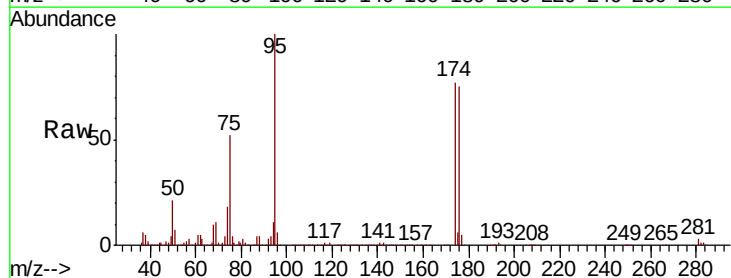
Instrument :
MSVOA_W
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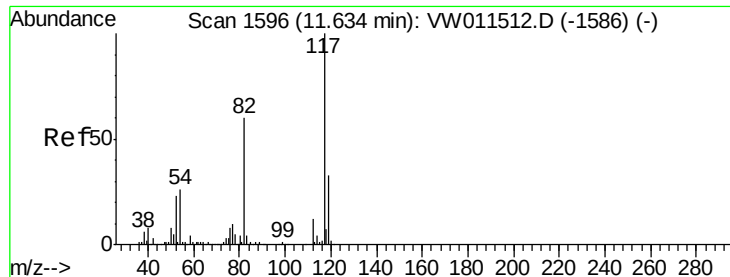
Tgt Ion: 98 Resp: 474160
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.294 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011972.D
Acq: 16 Aug 2019 18:17

Tgt Ion: 95 Resp: 154048
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.2
176 73.4 0.0 144.4

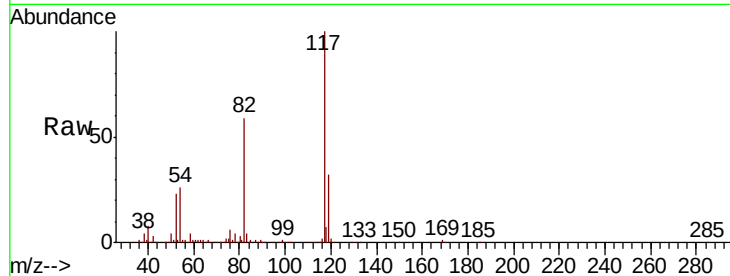




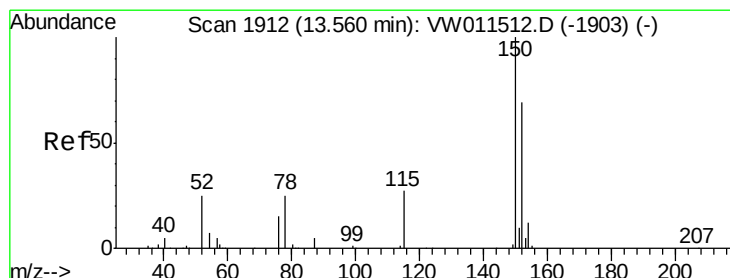
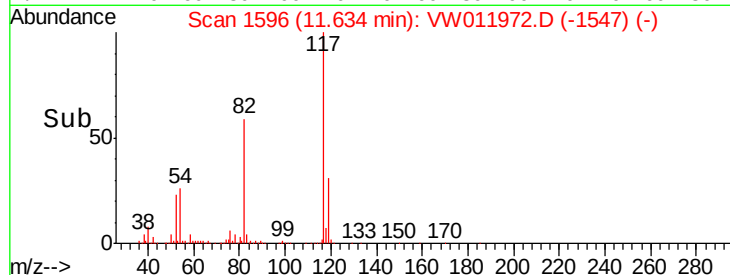
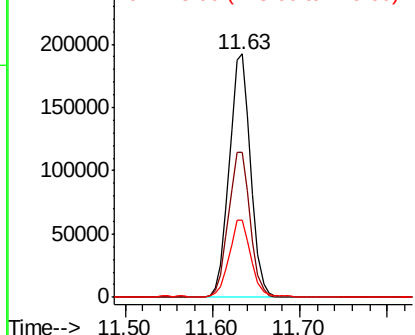
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011972.D
Acq: 16 Aug 2019 18:17

Instrument :
MSVOA_W
ClientSampleId :
SS-17A_081519

Tgt Ion:117 Resp: 326653
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 31.4 26.2 39.2

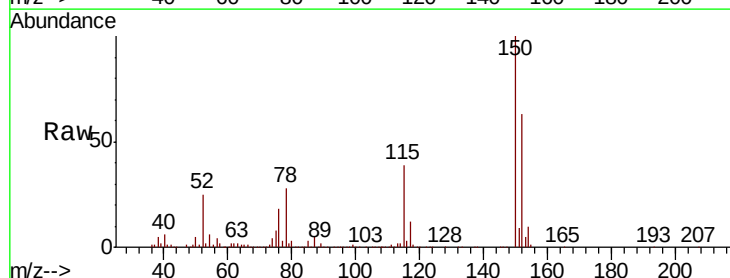


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

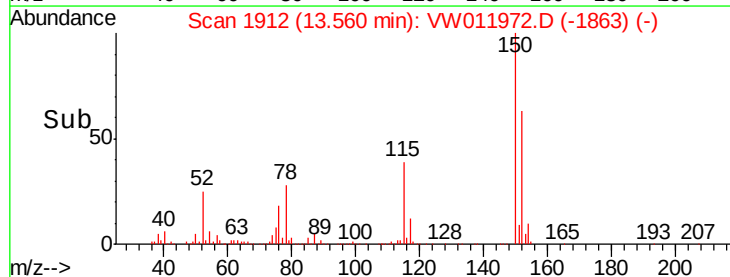
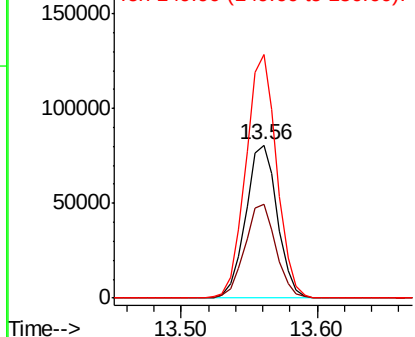


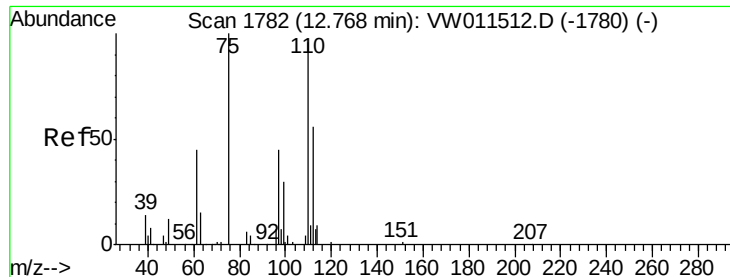
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011972.D
Acq: 16 Aug 2019 18:17

Tgt Ion:152 Resp: 131093
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 156.1 0.0 352.6



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: 58.475 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

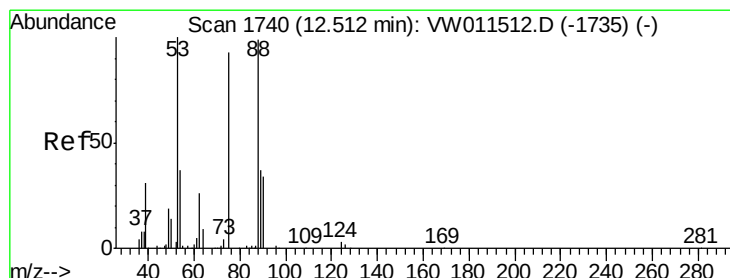
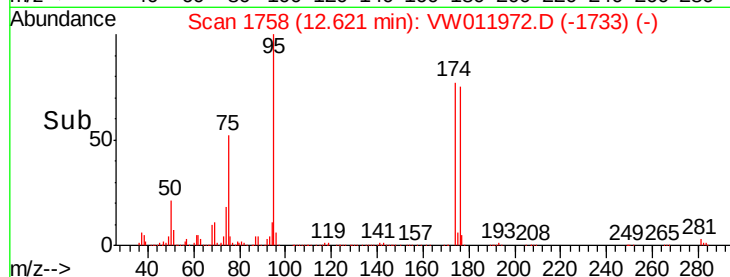
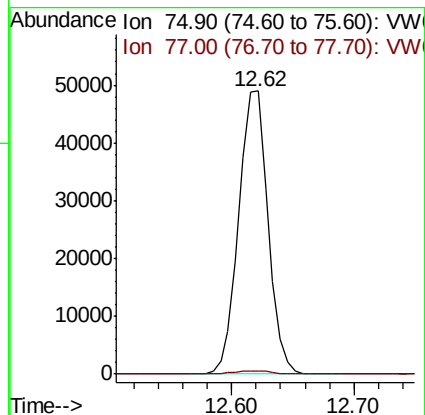
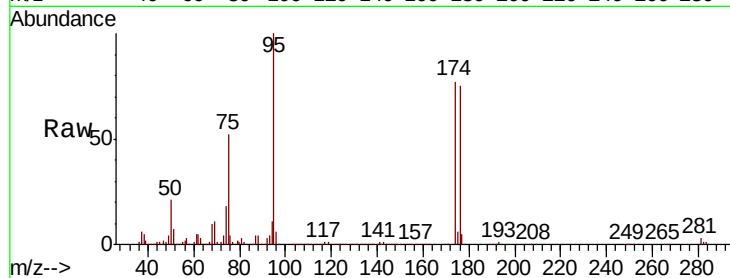
SS-17A_081519

Tgt Ion: 75 Resp: 81111

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.764 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

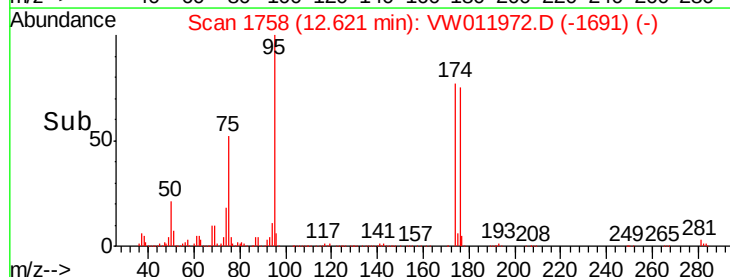
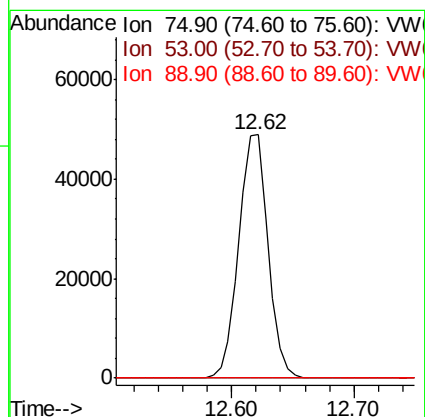
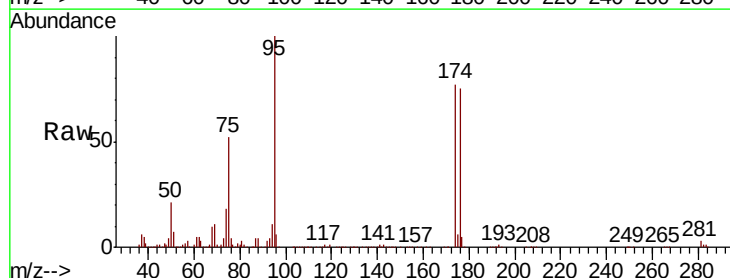
Tgt Ion: 75 Resp: 81111

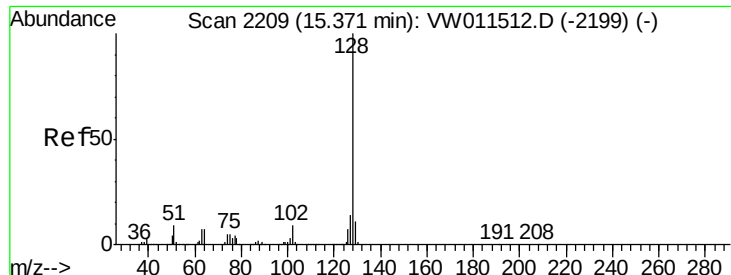
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.122 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011972.D

Acq: 16 Aug 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

SS-17A_081519

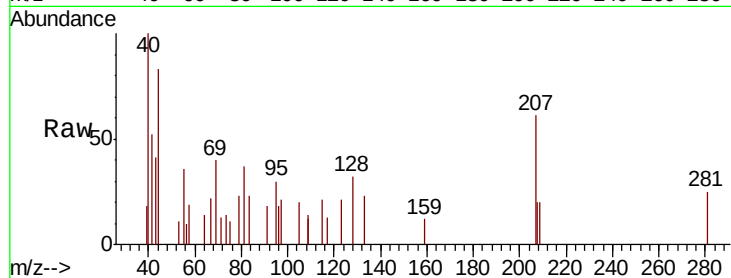
Tgt Ion:128 Resp: 305

Ion Ratio Lower Upper

128 100

127 6.6 10.6 16.0#

129 0.0 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

