

Data File : VW012116.D
Acq On : 22 Aug 2019 17:34
Operator : SY/VA
Sample : K4461-13
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-07-8.5-9.0

Quant Time: Aug 23 08:01:41 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	238831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151885	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	121457	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	10.32	98	488245	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.62	95	157619	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

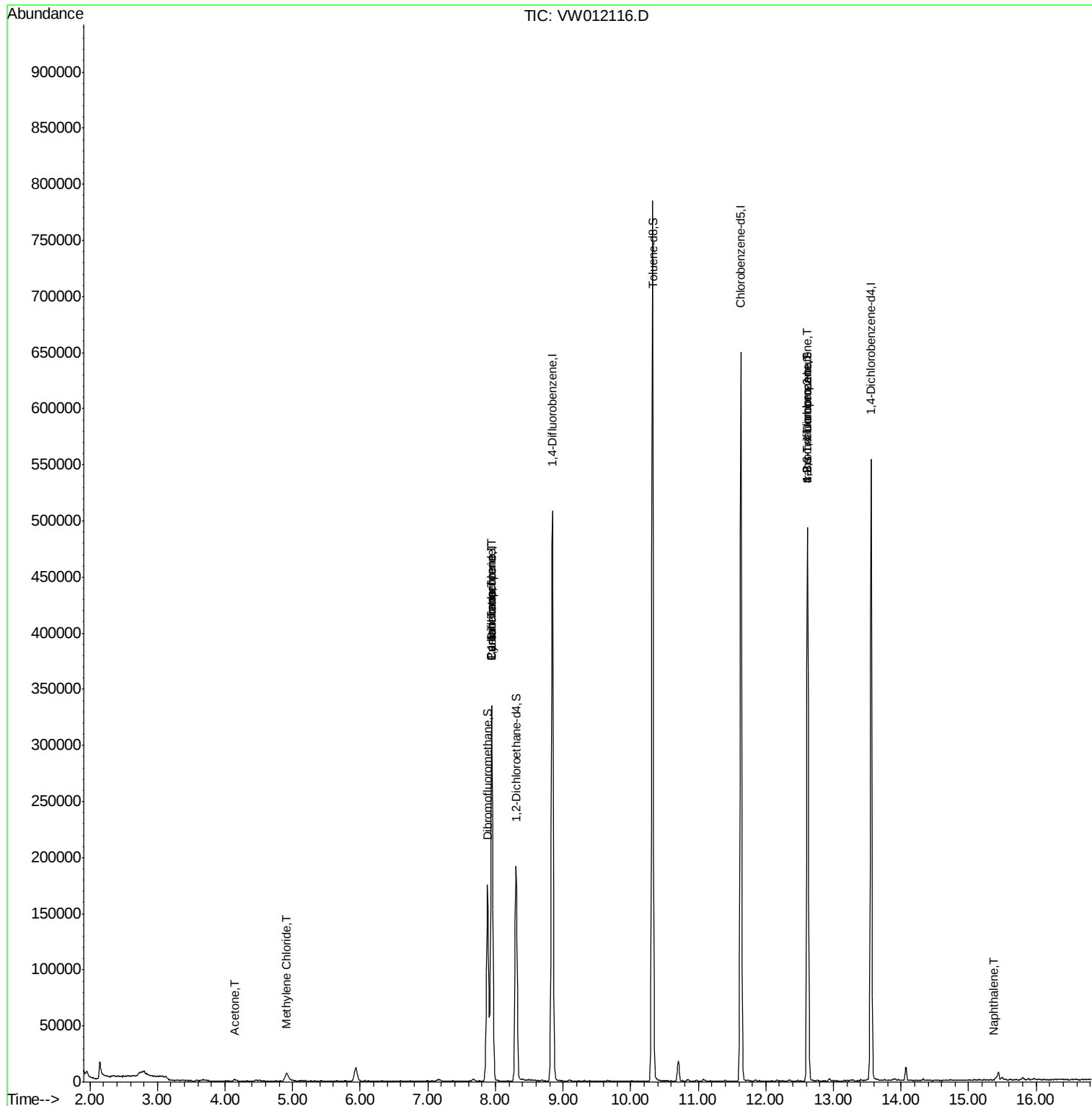
						Qvalue
11) Tert butyl alcohol	5.15	59	150	Below Cal	#	72
16) Acetone	4.14	43	2750	3.152	ug/l	92
20) Methylene Chloride	4.91	84	4986	1.657	ug/l	90
31) Cyclohexane	7.95	56	6160	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20761	4.975	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23818	6.667	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	85257	58.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85257	134.050	ug/l #	6
95) Naphthalene	15.38	128	74	2.079	ug/l #	69

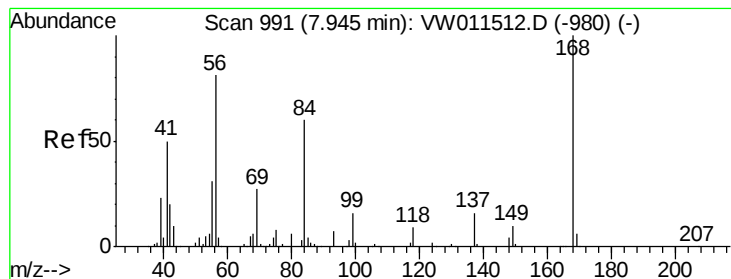
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

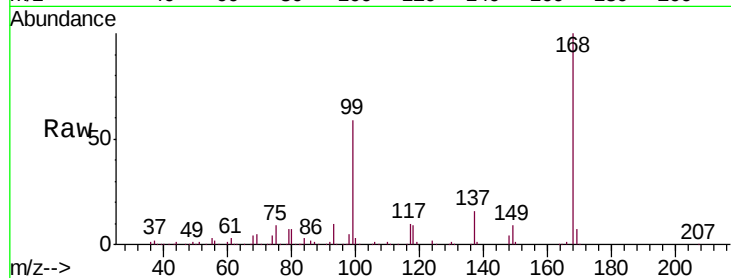
SB-07-8.5-9.0

Tgt Ion:168 Resp: 238831

Ion Ratio Lower Upper

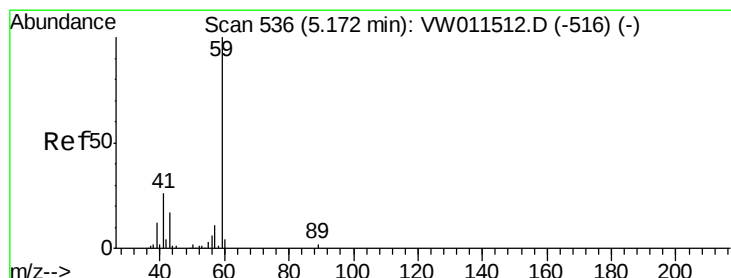
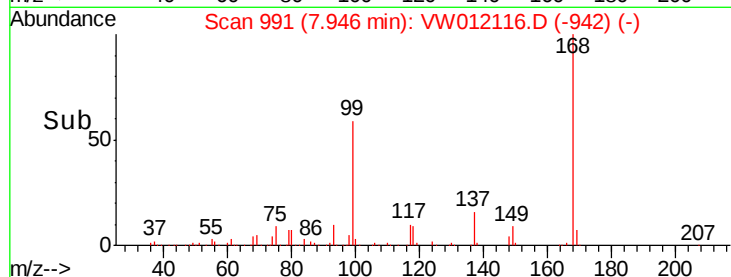
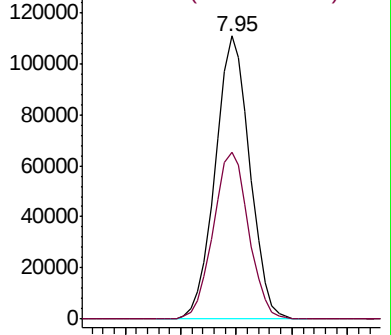
168 100

99 59.1 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: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW012116.D

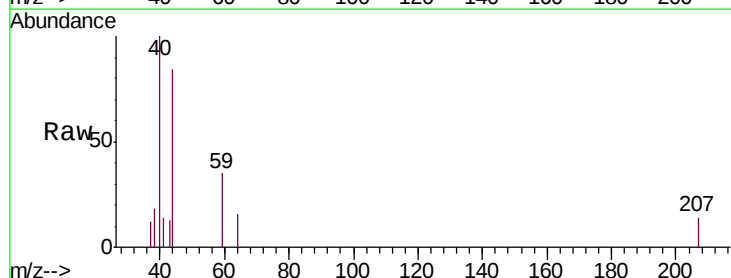
Acq: 22 Aug 2019 17:34

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

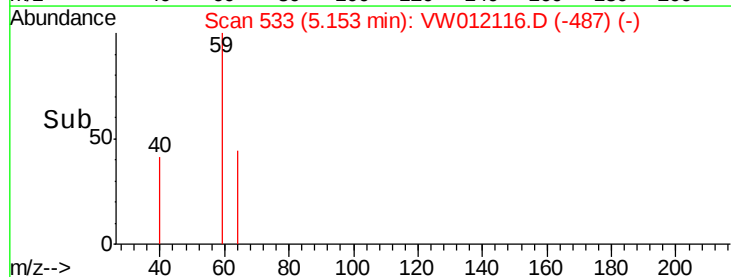
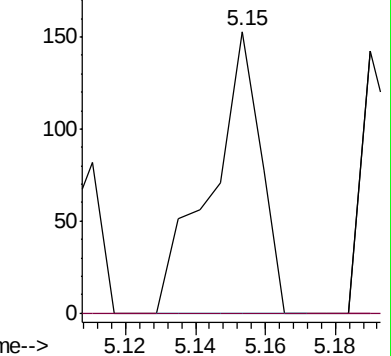
59 100

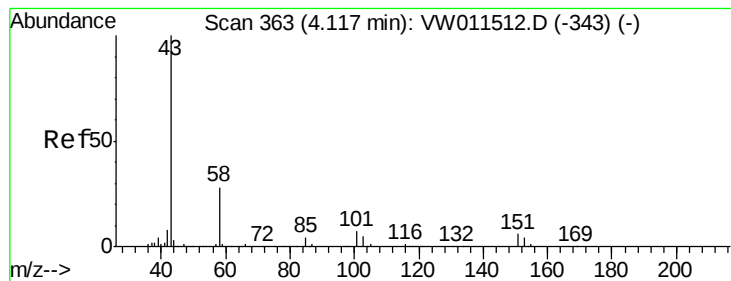
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.152 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

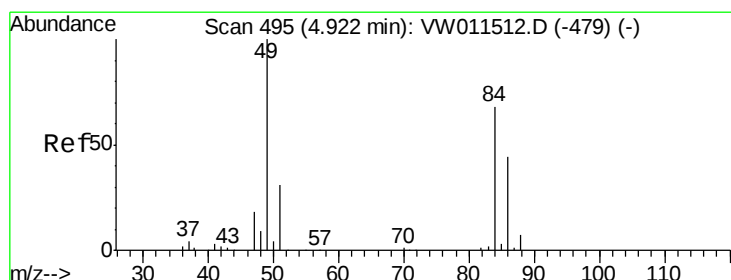
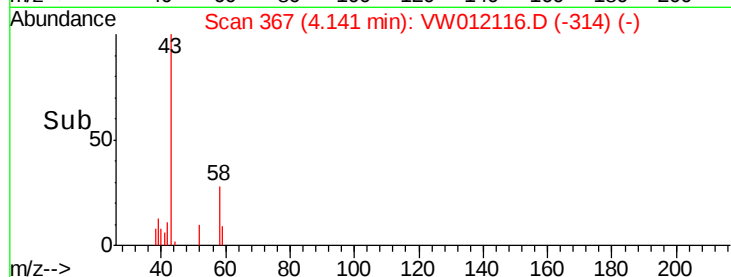
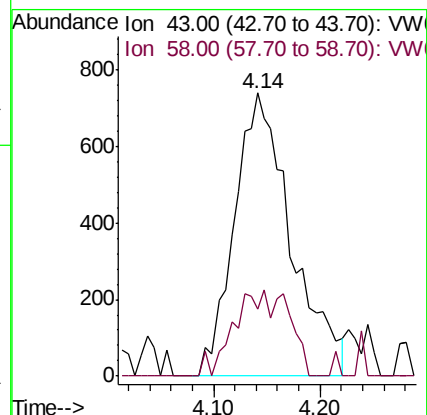
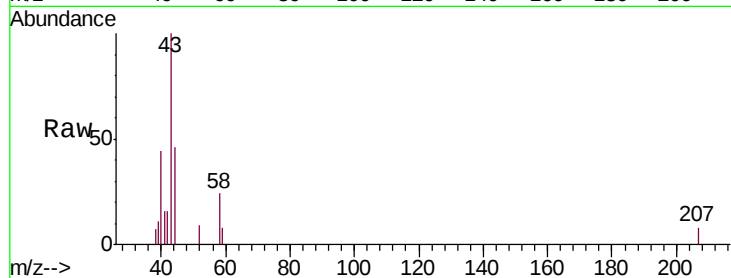
SB-07-8.5-9.0

Tgt Ion: 43 Resp: 2750

Ion Ratio Lower Upper

43 100

58 23.7 22.3 33.5



#20

Methylene Chloride

Concen: 1.657 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

Tgt Ion: 84 Resp: 4986

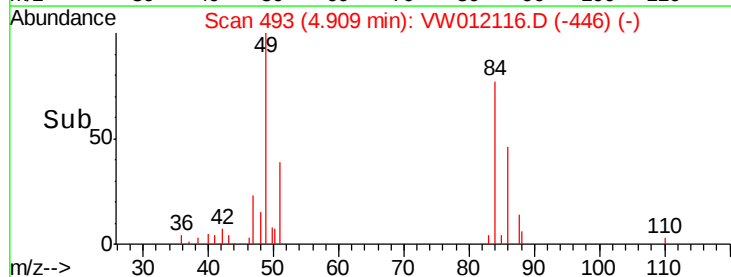
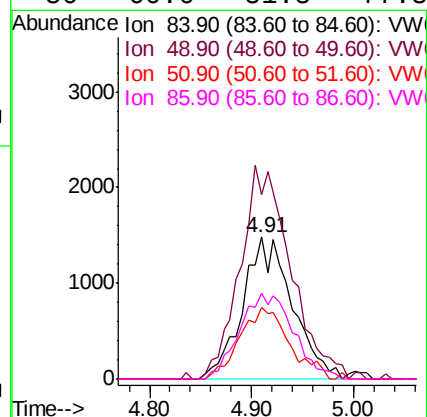
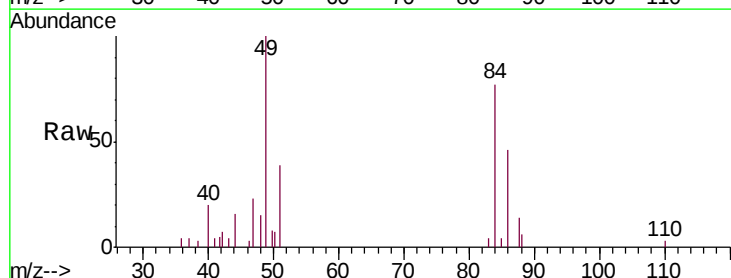
Ion Ratio Lower Upper

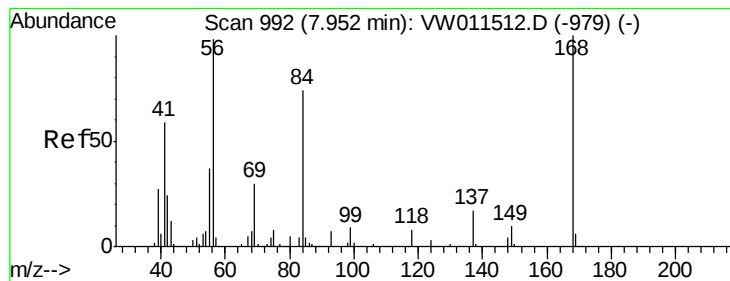
84 100

49 130.6 117.8 176.6

51 50.5 37.0 55.4

86 60.6 51.8 77.8





#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

SB-07-8.5-9.0

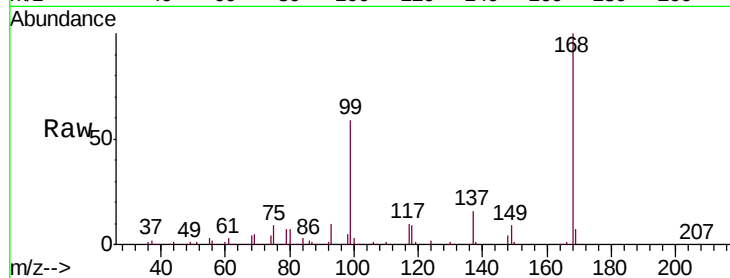
Tgt Ion: 56 Resp: 6160

Ion Ratio Lower Upper

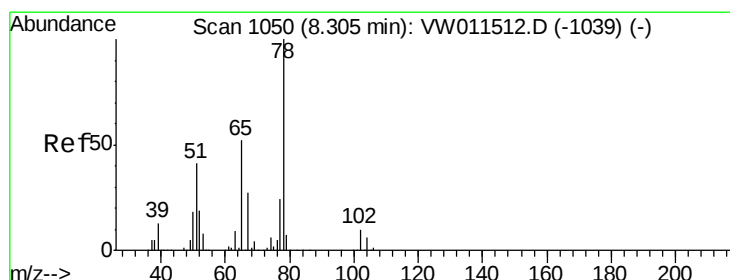
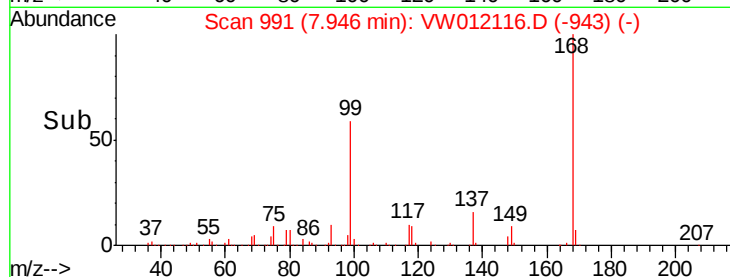
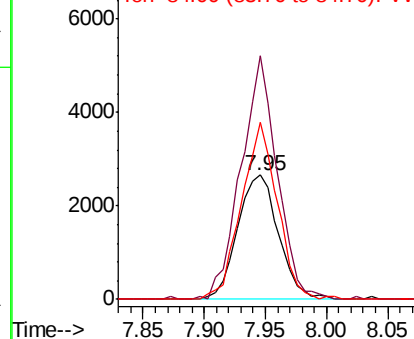
56 100

69 195.7 24.3 36.5#

84 142.8 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: 55.383 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012116.D

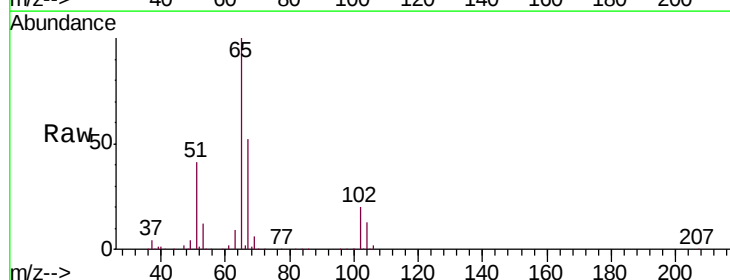
Acq: 22 Aug 2019 17:34

Tgt Ion: 65 Resp: 151885

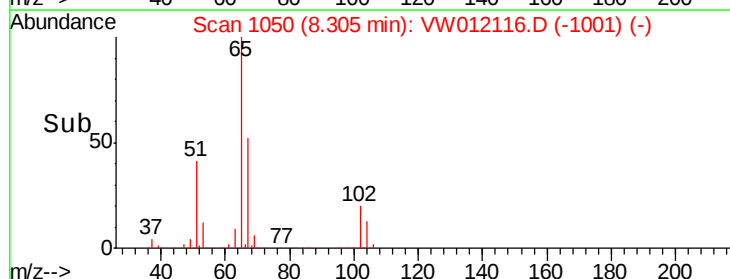
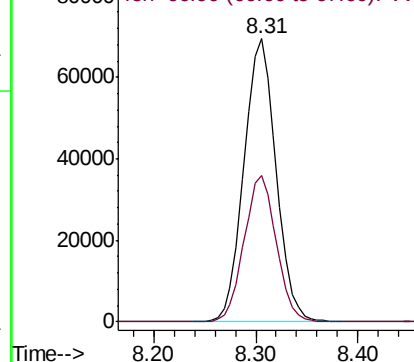
Ion Ratio Lower Upper

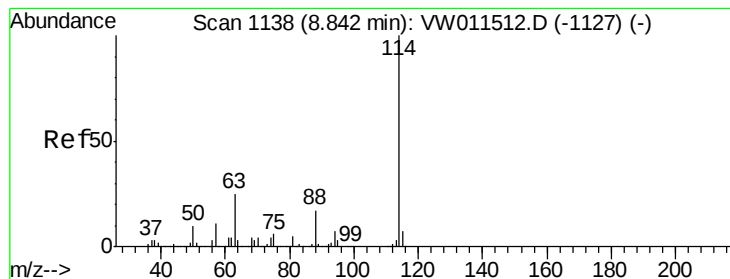
65 100

67 51.9 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: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

SB-07-8.5-9.0

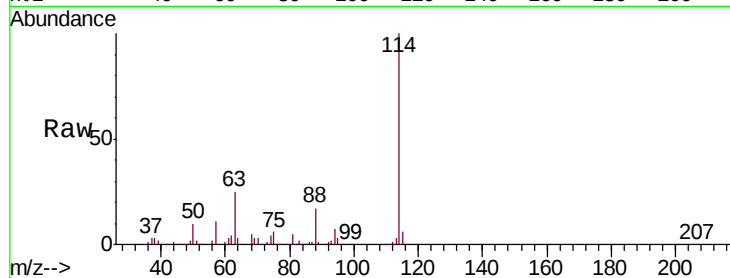
Tgt Ion:114 Resp: 401361

Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

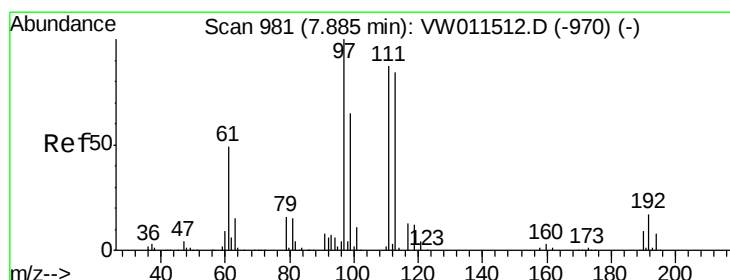
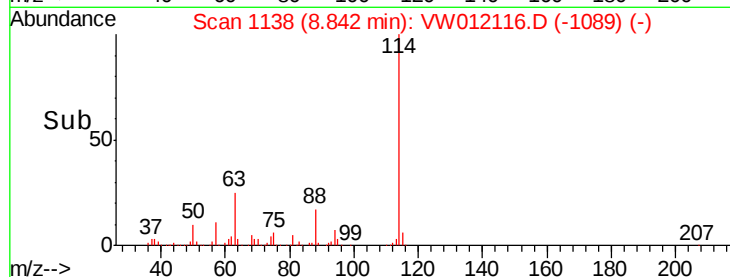
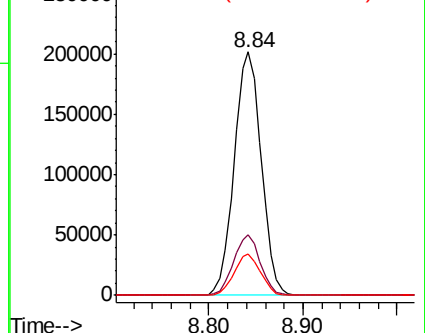
88 16.8 0.0 33.8



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: 53.940 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

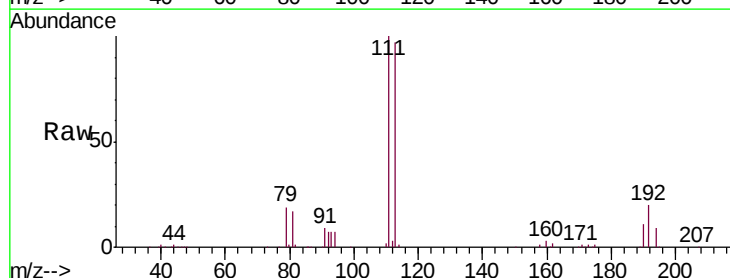
Tgt Ion:113 Resp: 121457

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

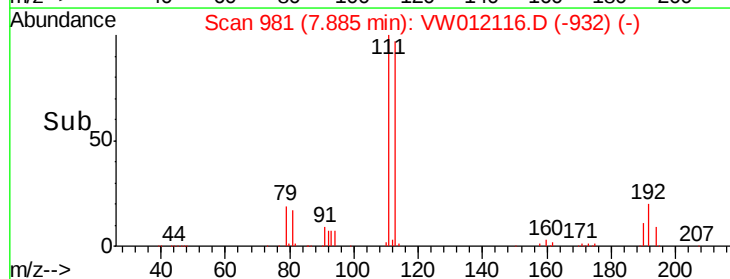
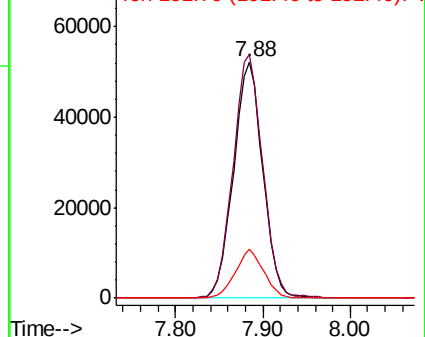
192 19.7 16.1 24.1

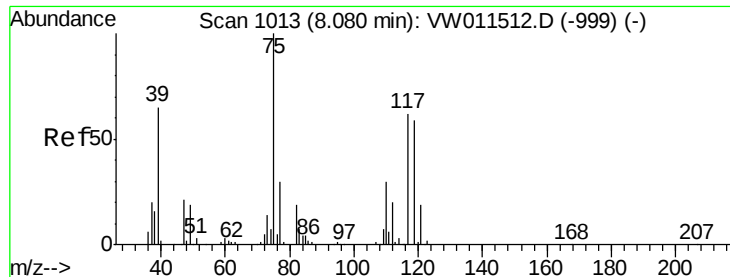


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

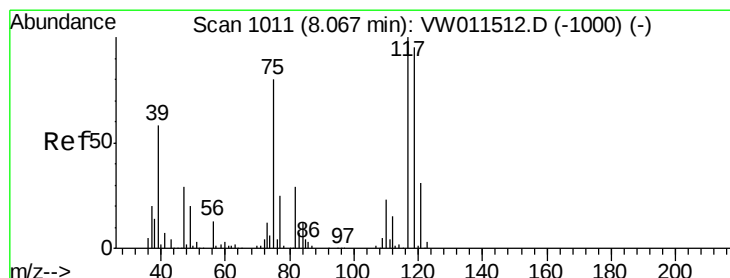
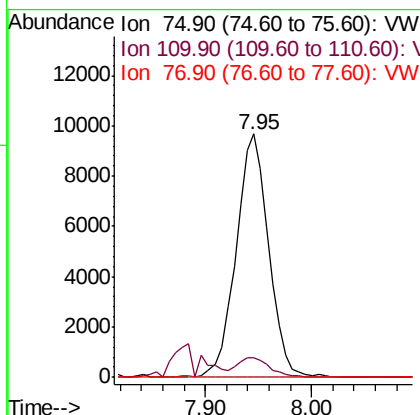
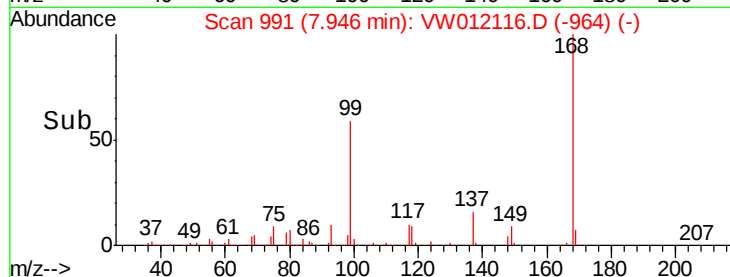
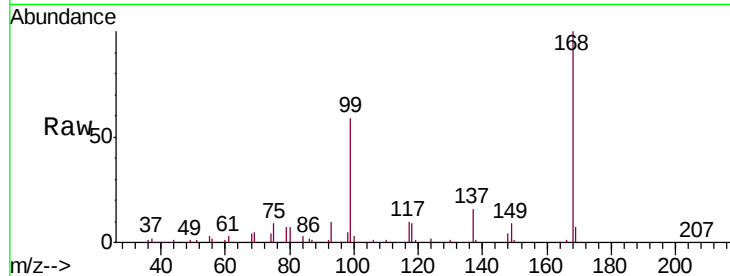




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012116.D
 Acq: 22 Aug 2019 17:34

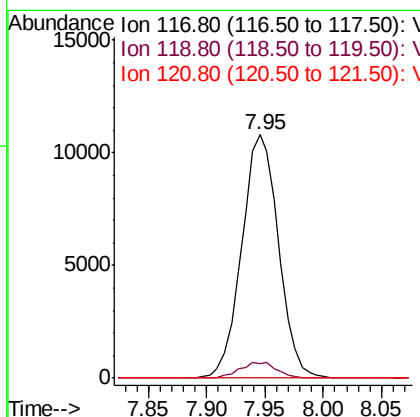
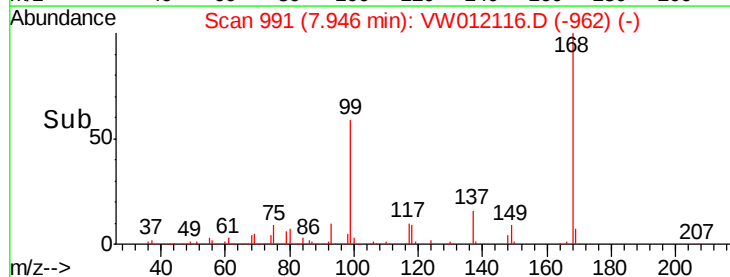
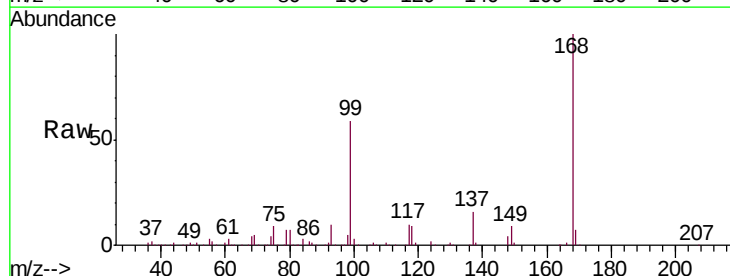
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-07-8.5-9.0

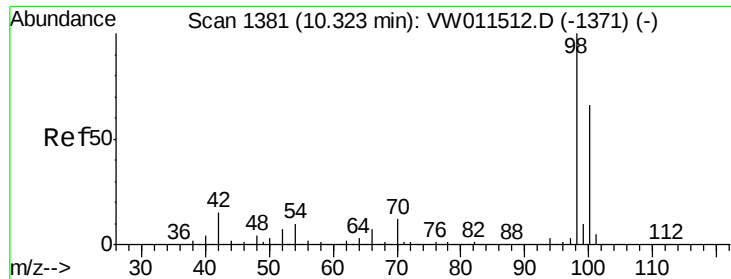
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.667 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012116.D
 Acq: 22 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.960 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

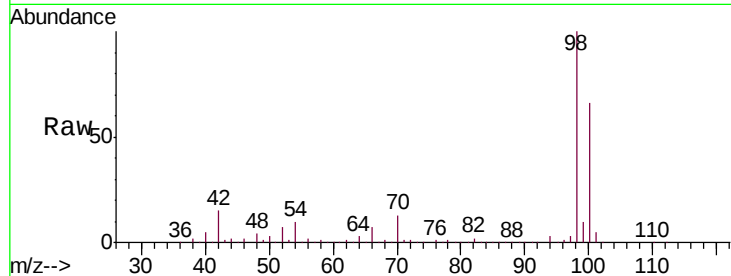
SB-07-8.5-9.0

Tgt Ion: 98 Resp: 488245

Ion Ratio Lower Upper

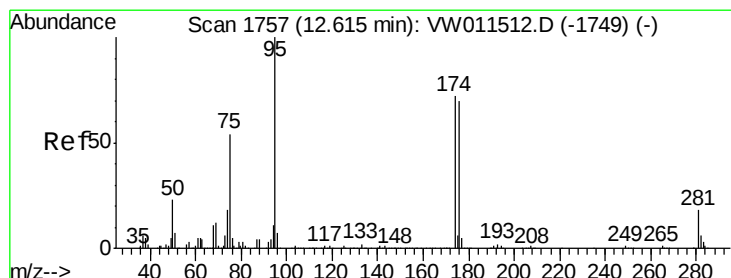
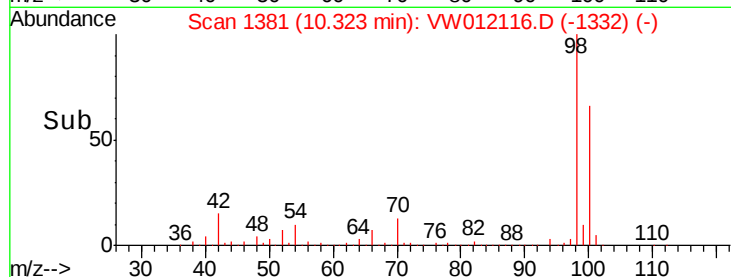
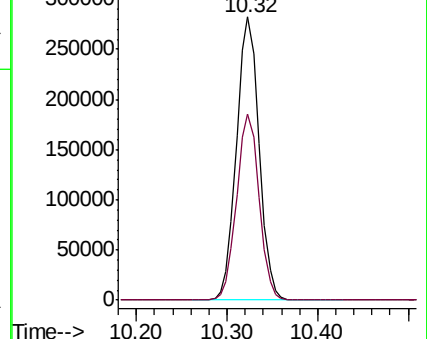
98 100

100 65.3 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: 47.955 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

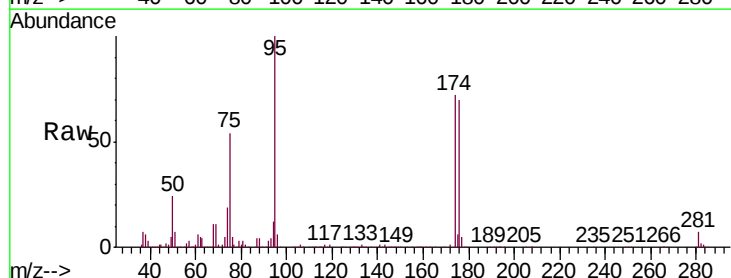
Tgt Ion: 95 Resp: 157619

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

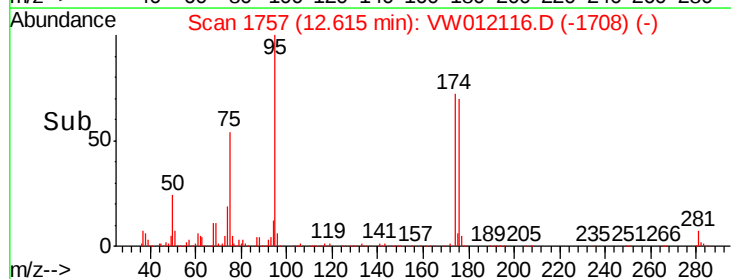
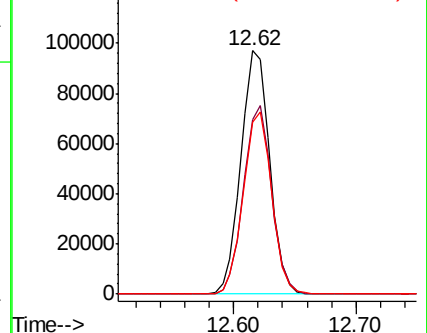
176 74.1 0.0 144.4

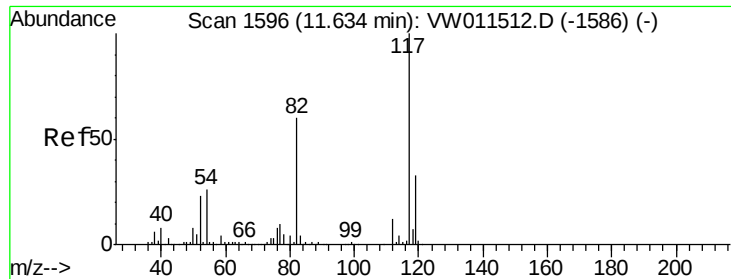


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

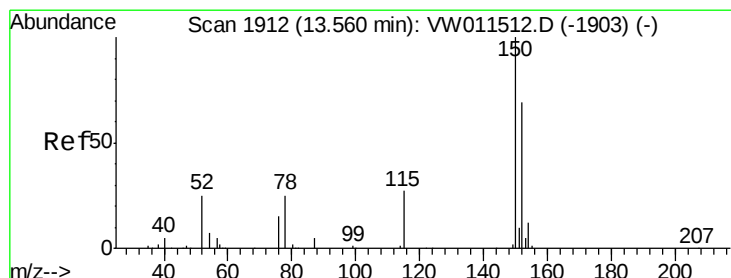
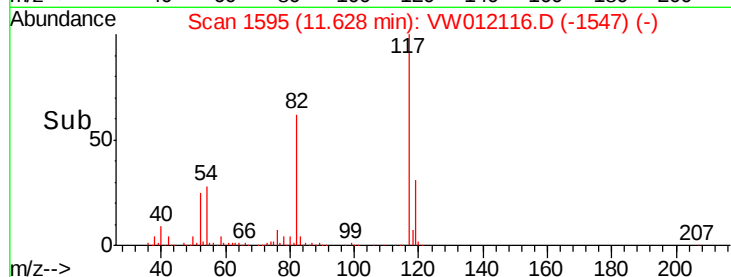
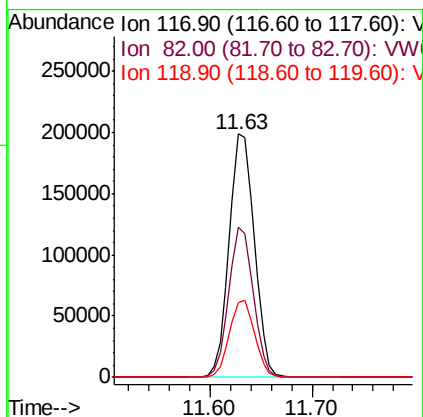
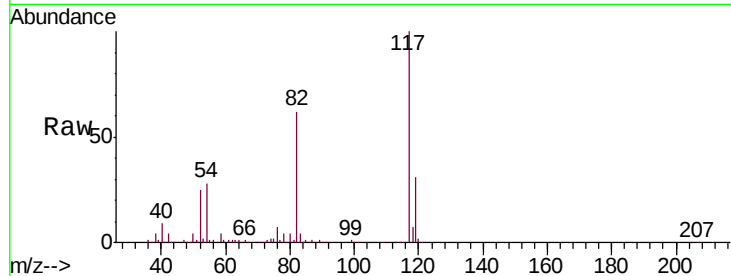




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012116.D
Acq: 22 Aug 2019 17:34

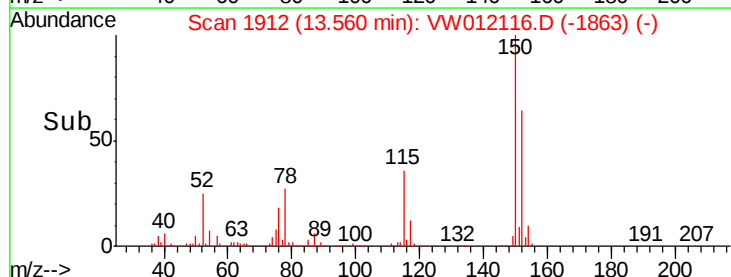
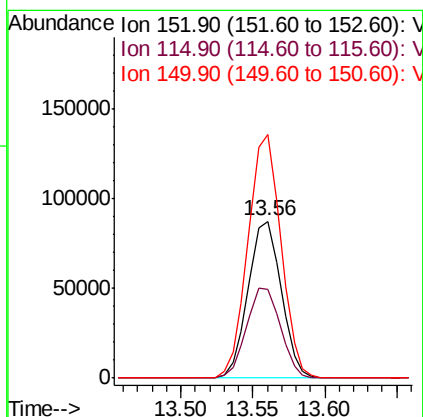
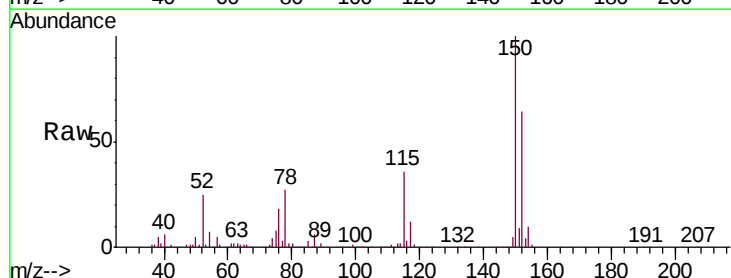
Instrument :
MSVOA_W
ClientSampleId :
SB-07-8.5-9.0

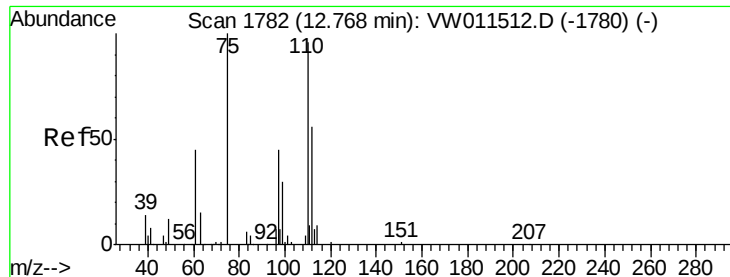
Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.9	71.9
119	30.7	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012116.D
Acq: 22 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.5	91.5
150	155.4	0.0	352.6





#76

1,2,3-Trichloropropane

Concen: 58.165 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

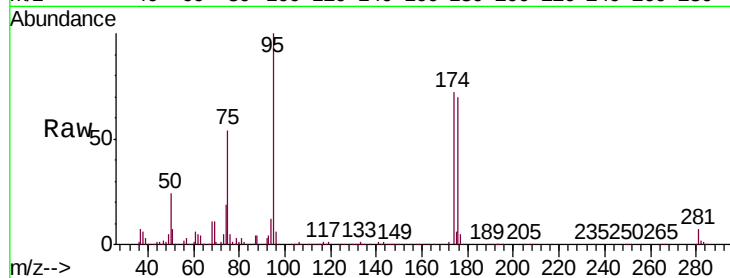
SB-07-8.5-9.0

Tgt Ion: 75 Resp: 85257

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

60000

50000

40000

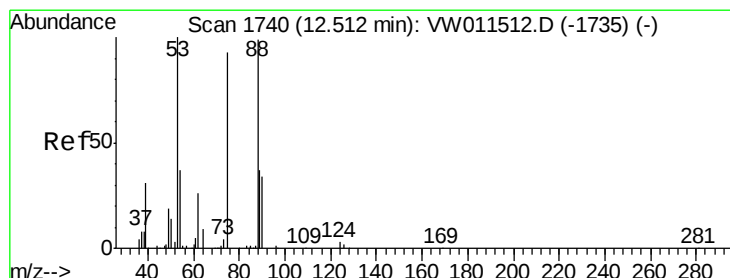
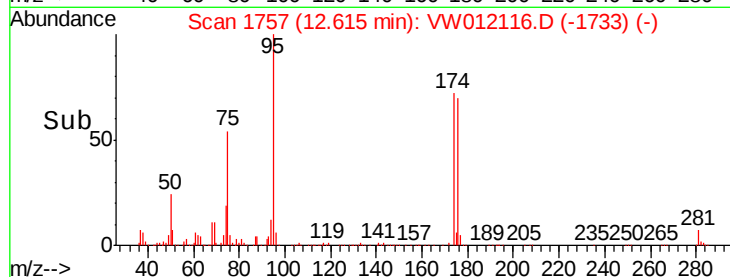
30000

20000

10000

0

Time--> 12.50 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012116.D

Acq: 22 Aug 2019 17:34

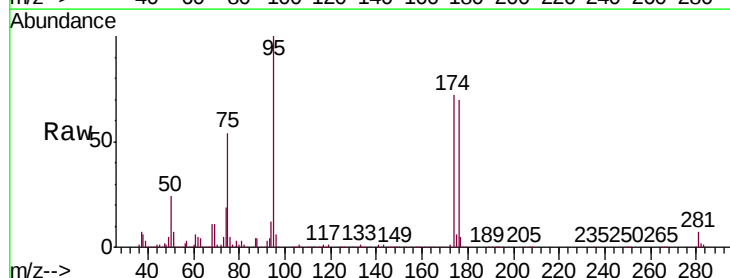
Tgt Ion: 75 Resp: 85257

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.1 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

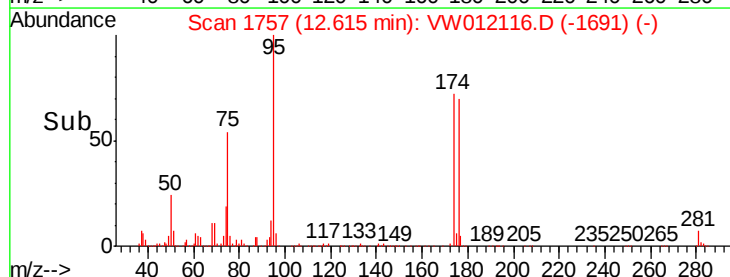
60000

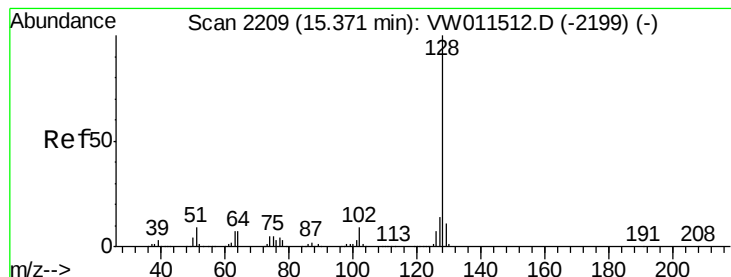
40000

20000

0

Time--> 12.50 12.60 12.70

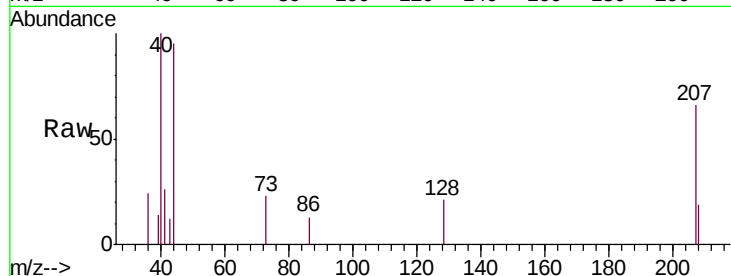




#95
Naphthalene
Concen: 2.079 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012116.D
Acq: 22 Aug 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
SB-07-8.5-9.0

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	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

