

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012667.D
 Acq On : 06 Sep 2019 03:30
 Operator : SY/VA
 Sample : K4579-12
 Misc : 1.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B4-(0)

Quant Time: Sep 06 07:58:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104903	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	156318	53.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.18%	
35) Dibromofluoromethane	7.88	113	119835	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	
50) Toluene-d8	10.32	98	475270	50.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	133284	39.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.70%	

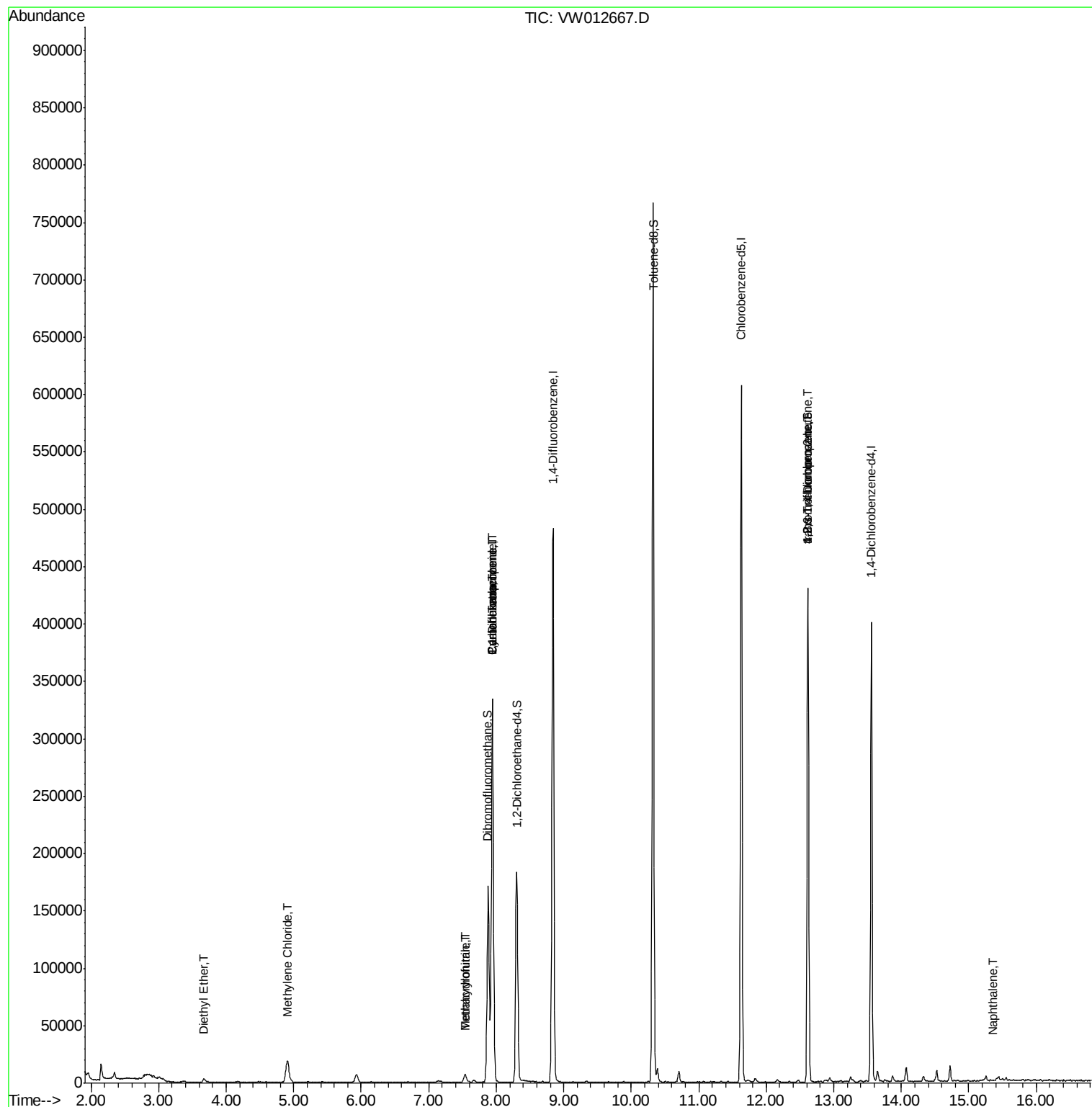
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1680	1.219	ug/l	97
20) Methylene Chloride	4.91	84	13465	4.732	ug/l	95
29) Tetrahydrofuran	7.53	42	6337	10.326	ug/l	94
31) Cyclohexane	7.94	56	6115	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20121	4.967	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24696	7.043	ug/l #	16
41) Methacrylonitrile	7.55	41	3996	3.063	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	73557	71.996	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73557	157.854	ug/l #	6
95) Naphthalene	15.36	128	314	4.394	ug/l #	73

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012667.D

Acq: 06 Sep 2019 03:30

Instrument :

MSVOA_W

ClientSampleId :

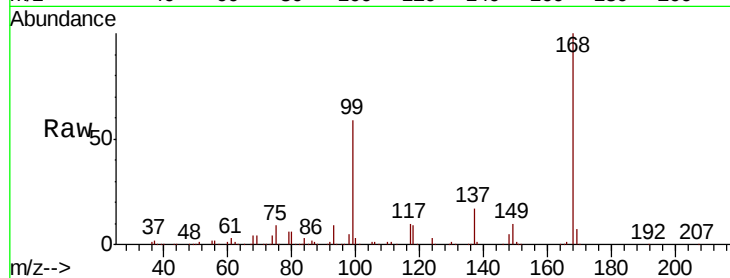
PAR-12-B4-(0)

Tgt Ion:168 Resp: 247708

Ion Ratio Lower Upper

168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

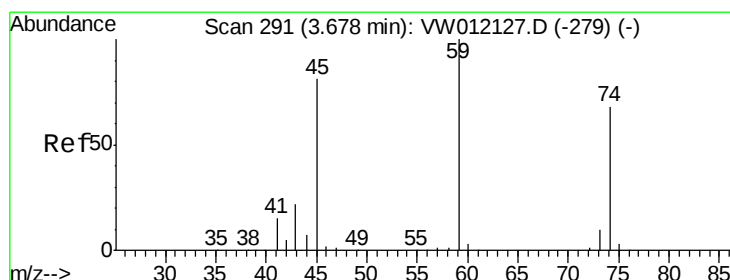
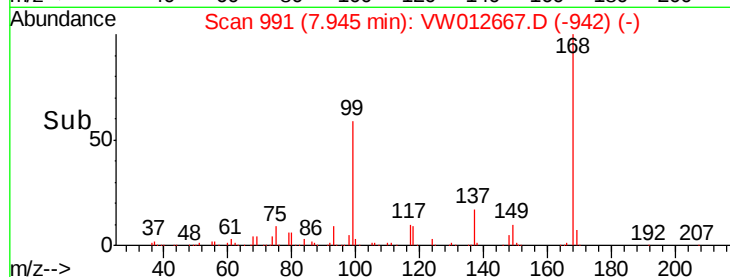
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.219 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012667.D

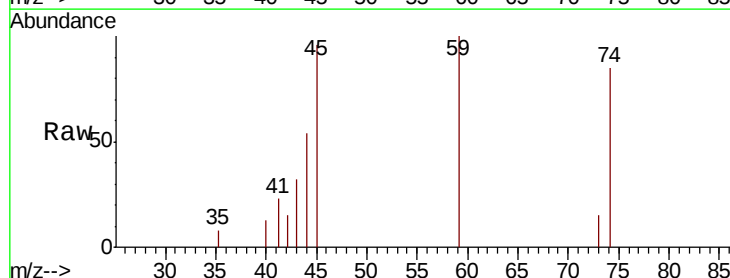
Acq: 06 Sep 2019 03:30

Tgt Ion: 74 Resp: 1680

Ion Ratio Lower Upper

74 100

45 121.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

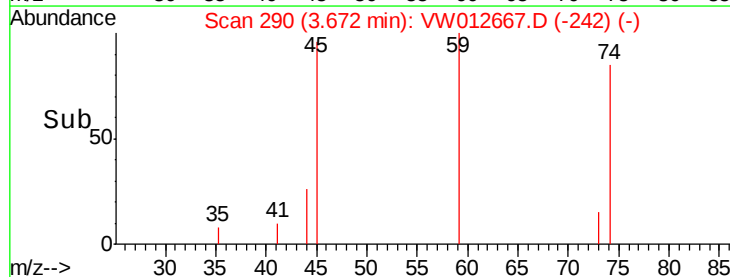
600

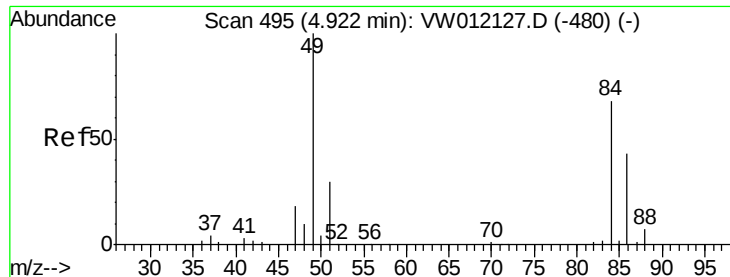
400

200

0

Time--> 3.60 3.65 3.70 3.75

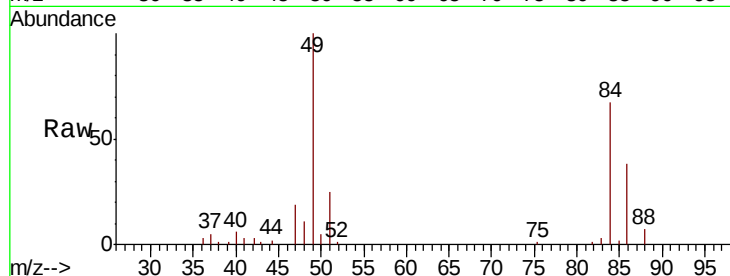




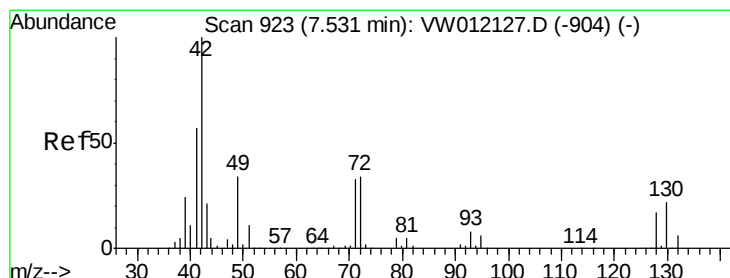
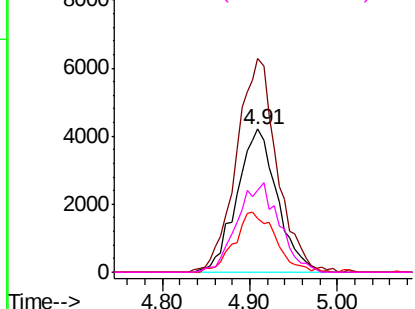
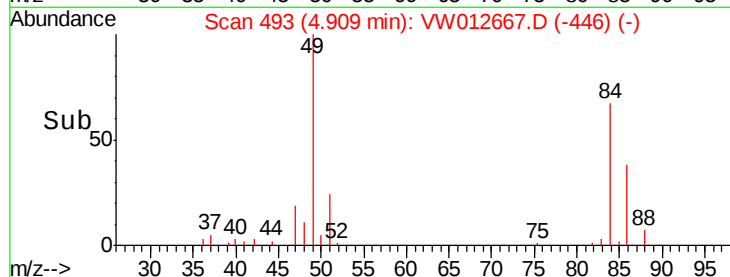
#20
Methylene Chloride
Concen: 4.732 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(0)

Tgt Ion:	84	Resp:	13465
Ion	Ratio	Lower	Upper
84	100		
49	149.4	117.8	176.8
51	37.4	35.6	53.4
86	57.3	51.2	76.8

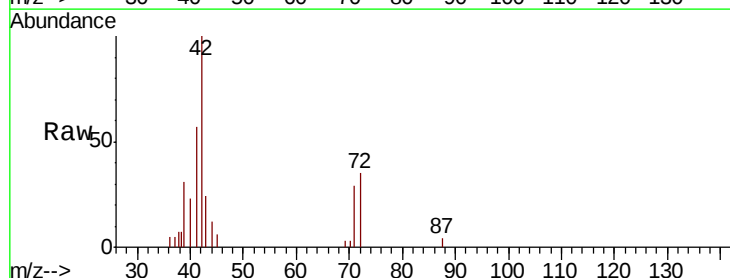


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

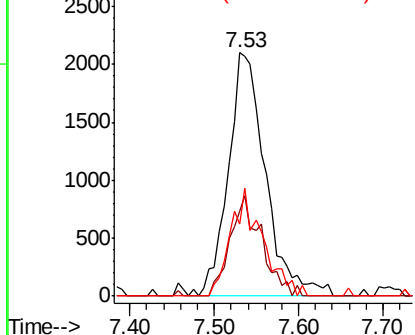
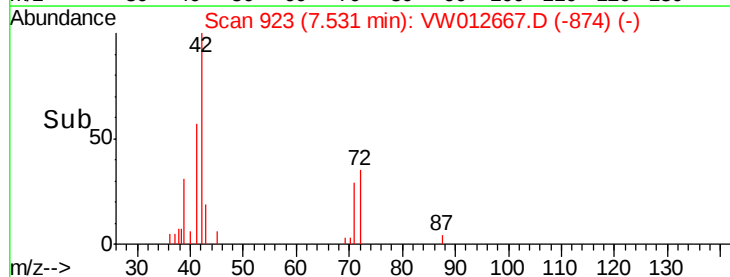


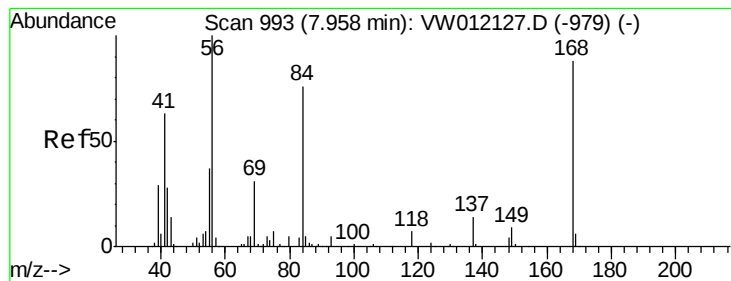
#29
Tetrahydrofuran
Concen: 10.326 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

Tgt Ion:	42	Resp:	6337
Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	37.9	25.5	38.3



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: 1.153 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012667.D

Acq: 06 Sep 2019 03:30

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B4-(0)

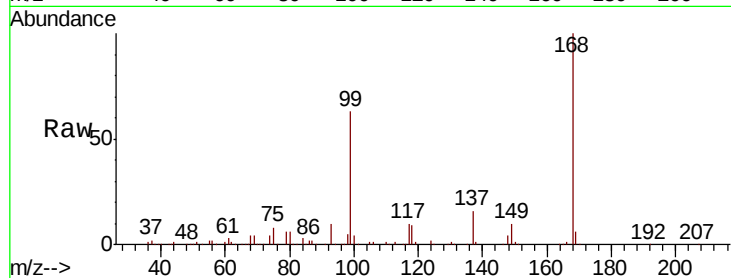
Tgt Ion: 56 Resp: 6115

Ion Ratio Lower Upper

56 100

69 168.1 24.9 37.3#

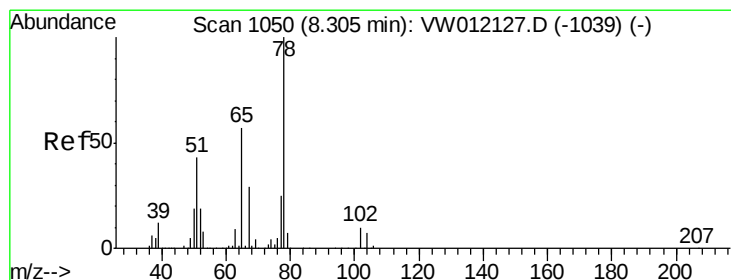
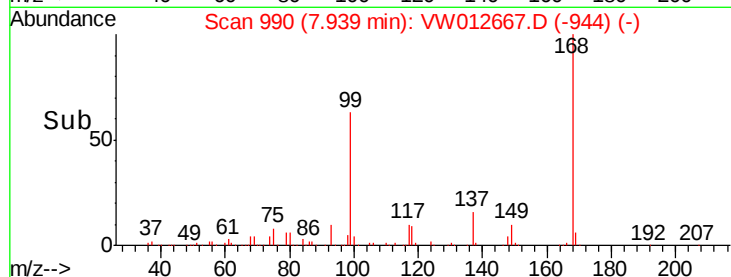
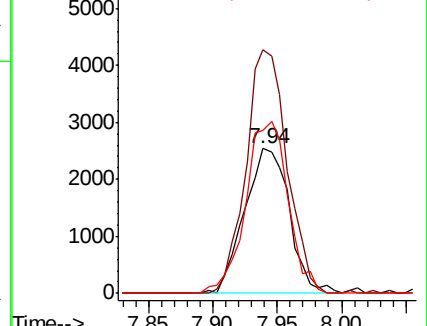
84 112.1 60.6 90.8#



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: 53.086 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012667.D

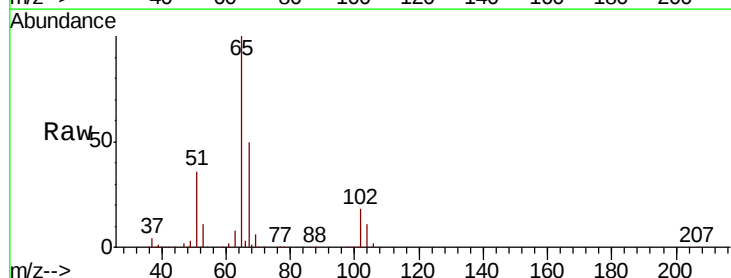
Acq: 06 Sep 2019 03:30

Tgt Ion: 65 Resp: 156318

Ion Ratio Lower Upper

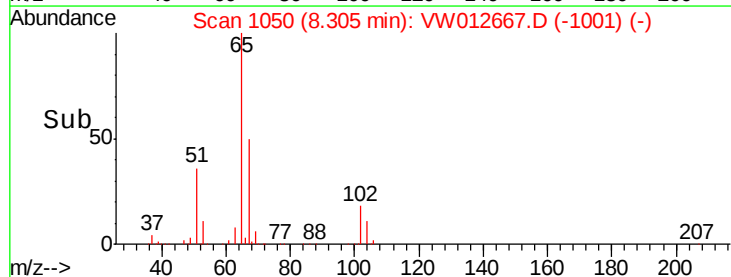
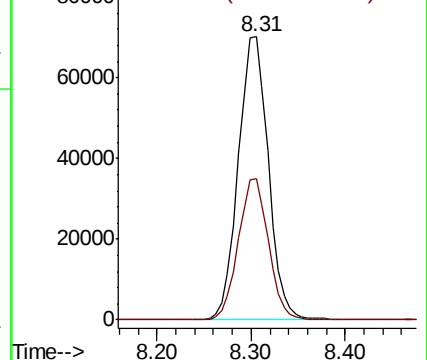
65 100

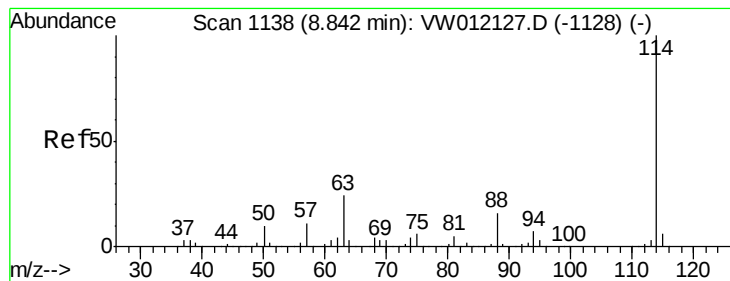
67 50.3 0.0 102.6



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: VW012667.D

Acq: 06 Sep 2019 03:30

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B4-(0)

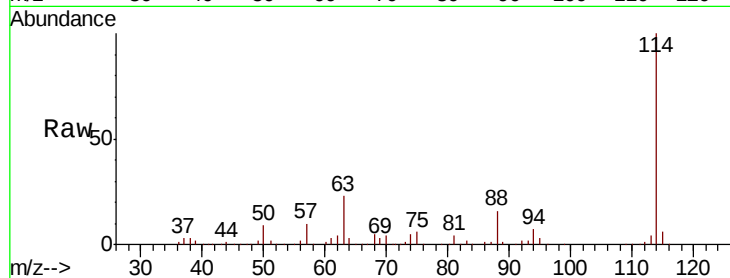
Tgt Ion:114 Resp: 392024

Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.6

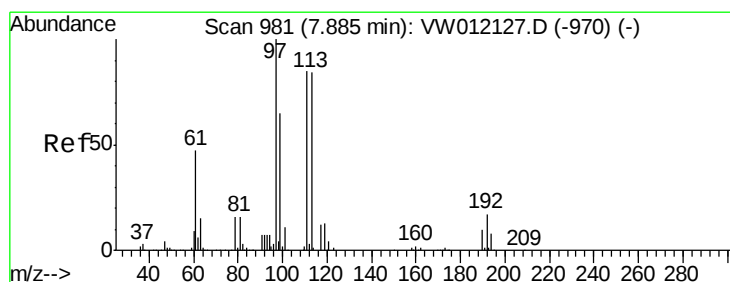
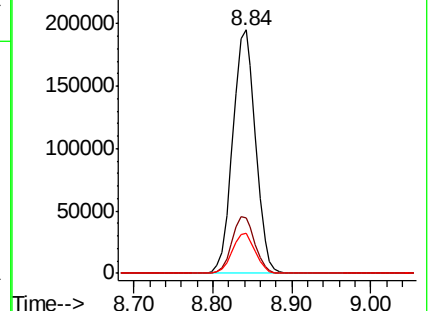
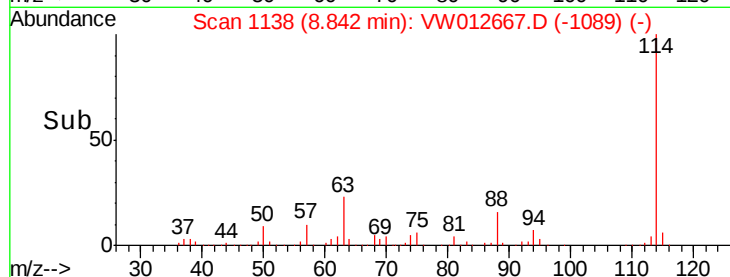
88 16.5 0.0 32.2



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: 51.211 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012667.D

Acq: 06 Sep 2019 03:30

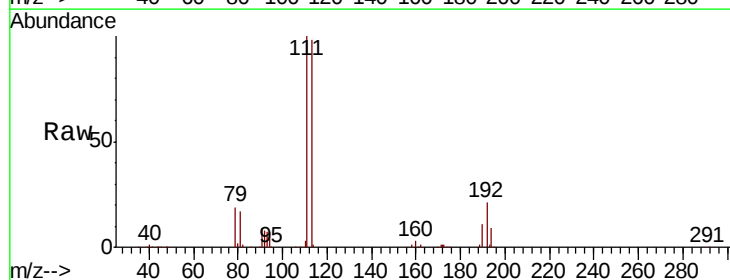
Tgt Ion:113 Resp: 119835

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

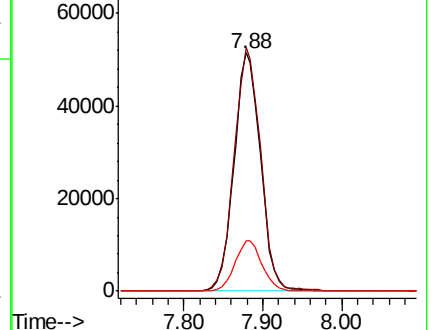
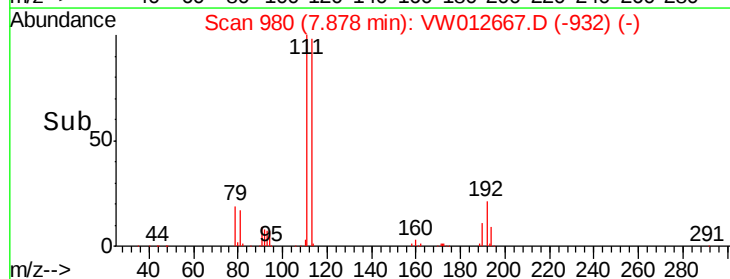
192 21.6 16.2 24.2

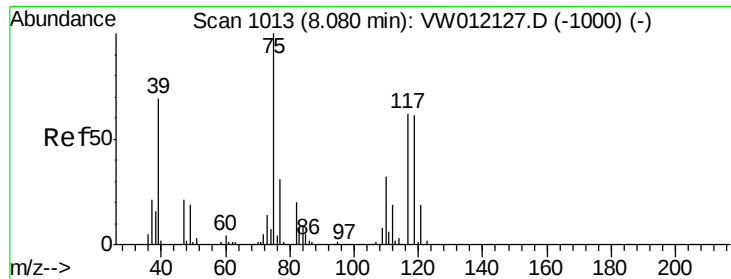


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

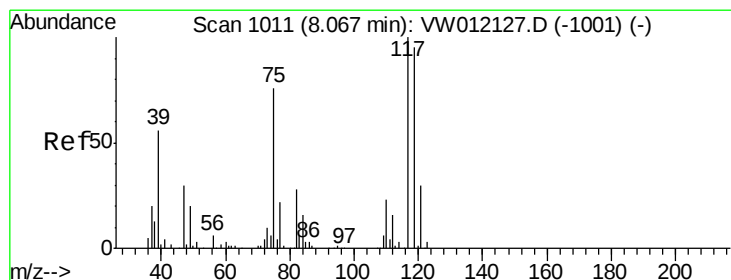
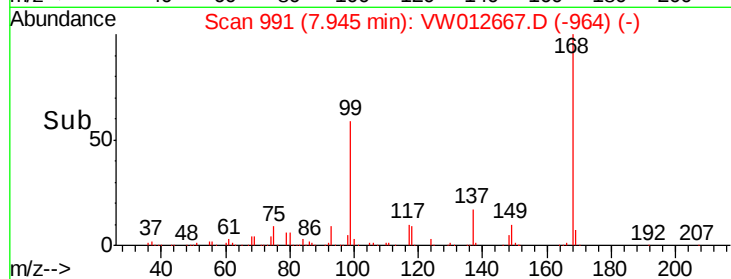
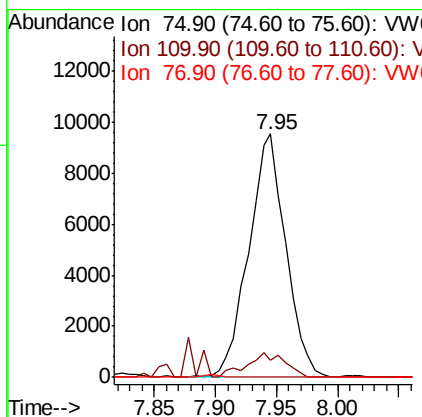
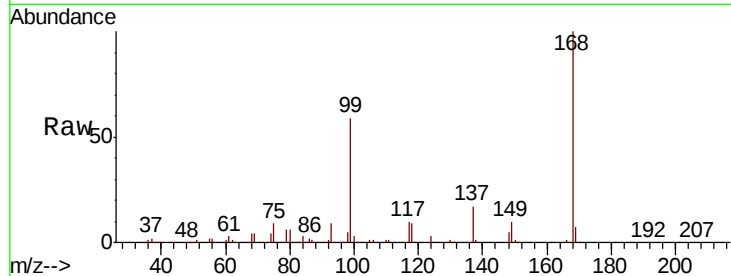




#36
 1,1-Dichloropropene
 Concen: 4.967 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012667.D
 Acq: 06 Sep 2019 03:30

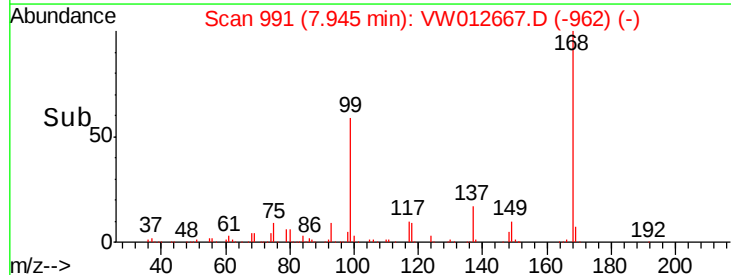
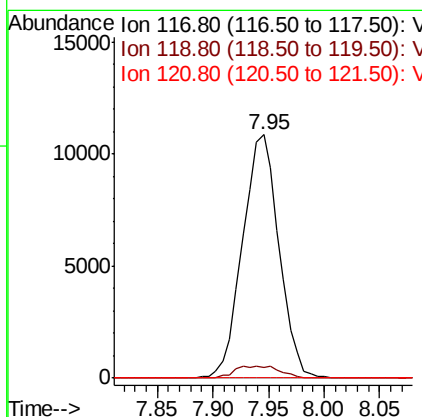
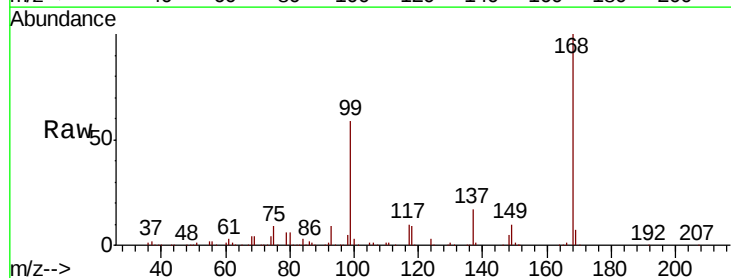
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B4-(0)

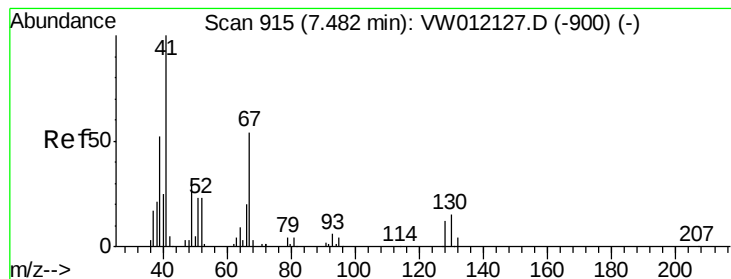
Tgt Ion: 75 Resp: 20121
 Ion Ratio Lower Upper
 75 100
 110 10.3 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.043 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012667.D
 Acq: 06 Sep 2019 03:30

Tgt Ion: 117 Resp: 24696
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 3.063 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.07 min

Lab File: VW012667.D

Acq: 06 Sep 2019 03:30

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B4-(0)

Tgt Ion: 41 Resp: 3996

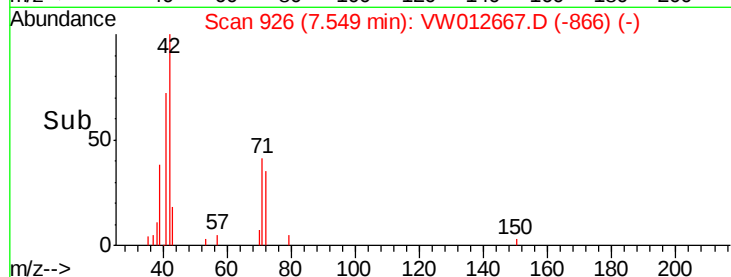
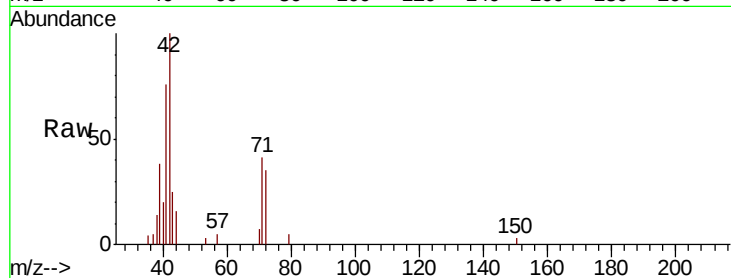
Ion Ratio Lower Upper

41 100

39 51.6 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

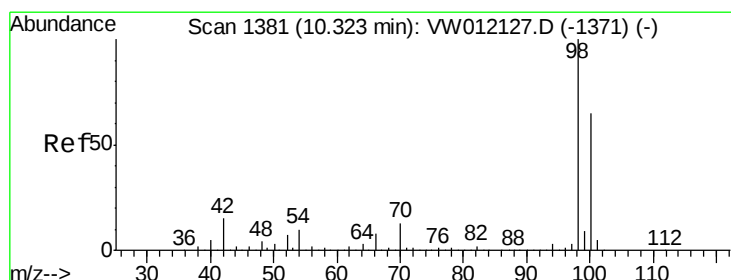
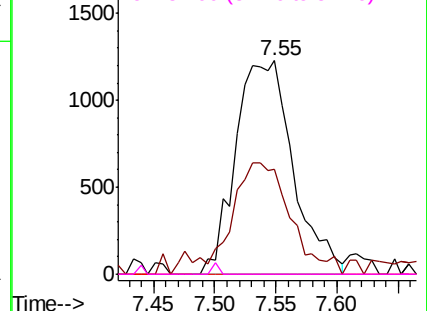


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.092 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012667.D

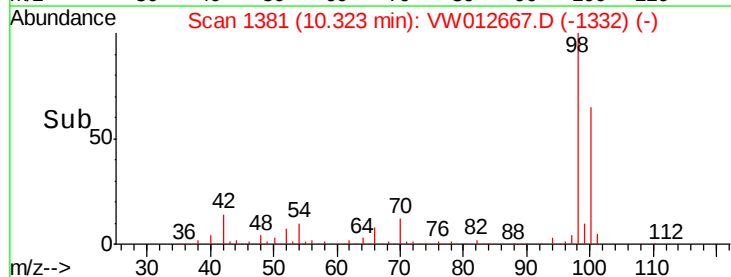
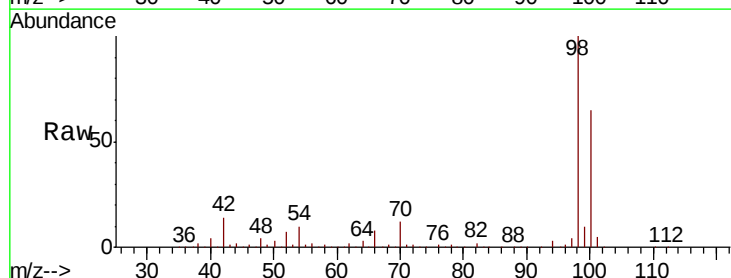
Acq: 06 Sep 2019 03:30

Tgt Ion: 98 Resp: 475270

Ion Ratio Lower Upper

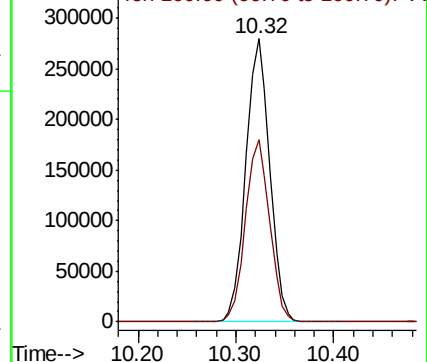
98 100

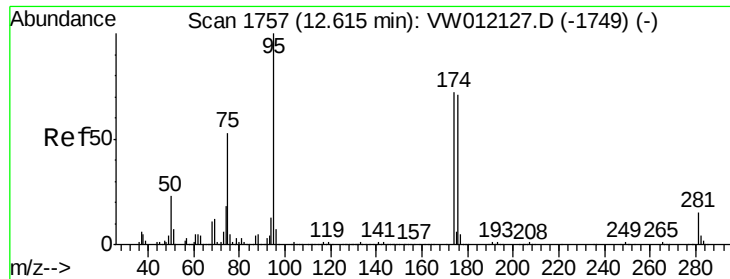
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

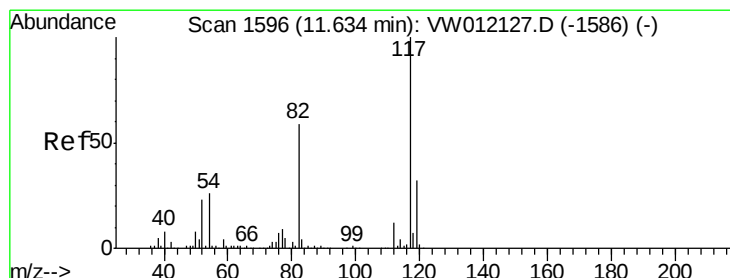
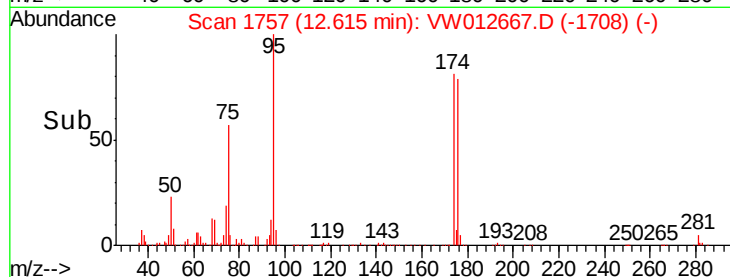
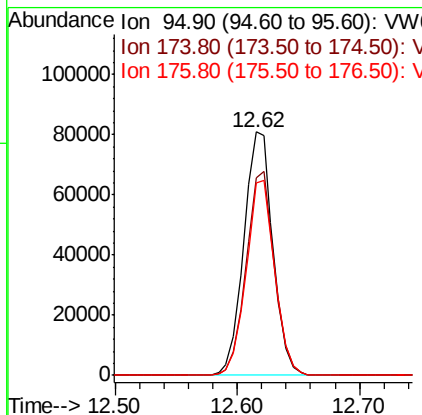
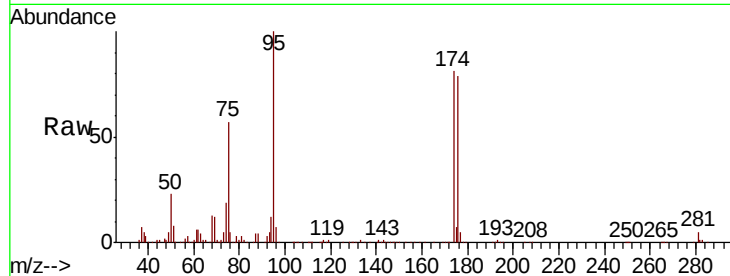




#62
4-Bromofluorobenzene
Concen: 39.851 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

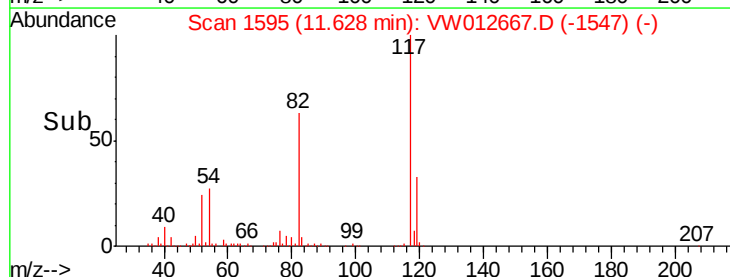
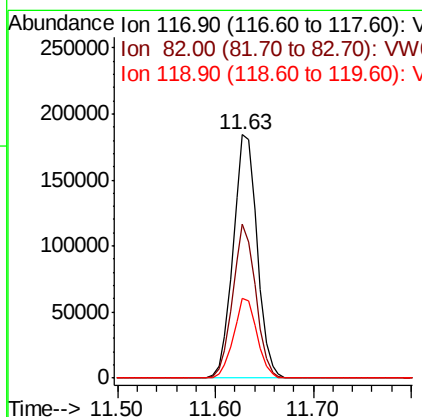
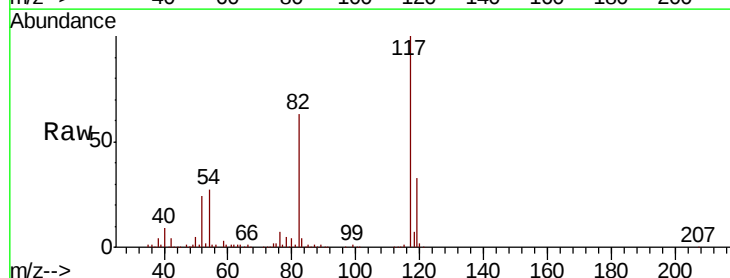
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(0)

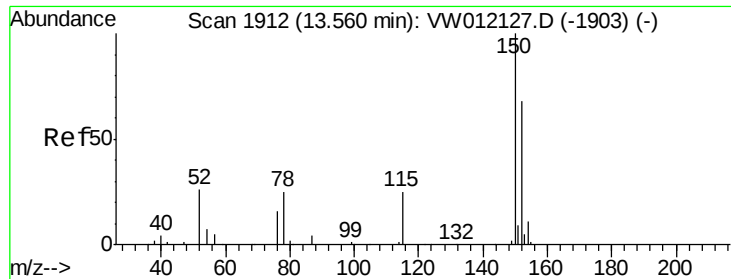
Tgt Ion: 95 Resp: 133284
Ion Ratio Lower Upper
95 100
174 81.5 0.0 150.8
176 79.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

Tgt Ion: 117 Resp: 313137
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 32.6 25.4 38.2

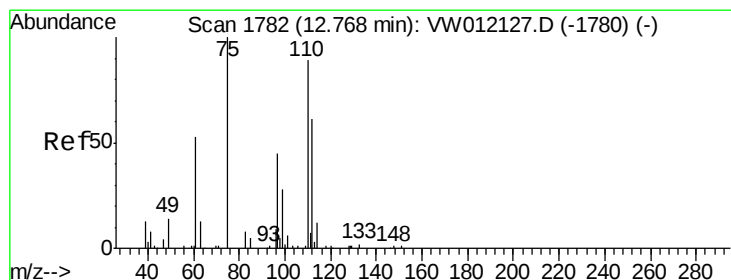
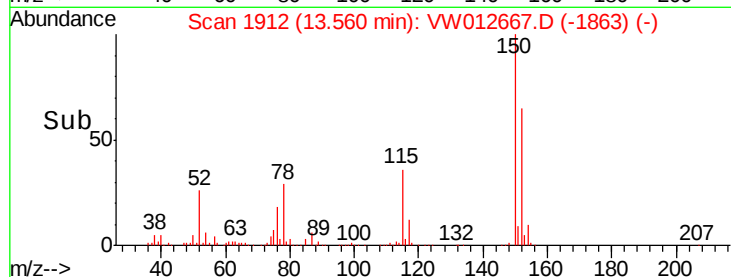
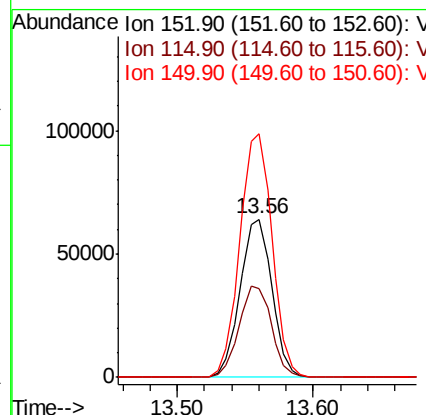
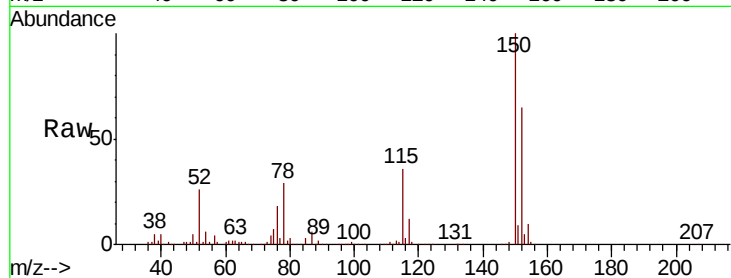




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012667.D
 Acq: 06 Sep 2019 03:30

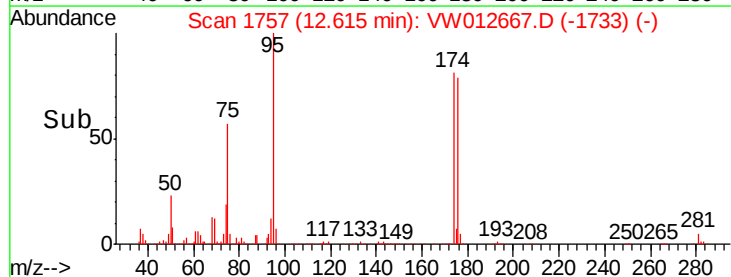
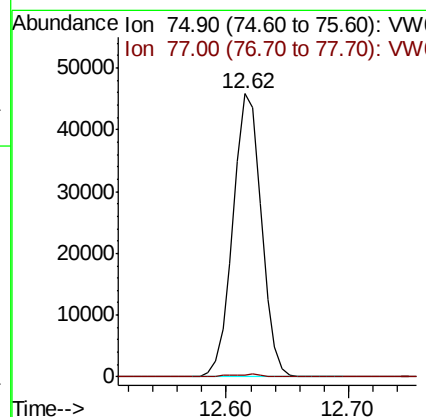
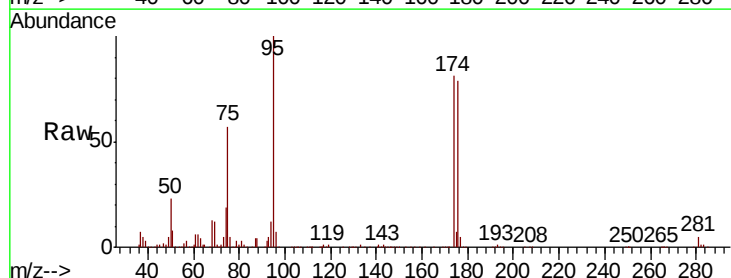
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B4-(0)

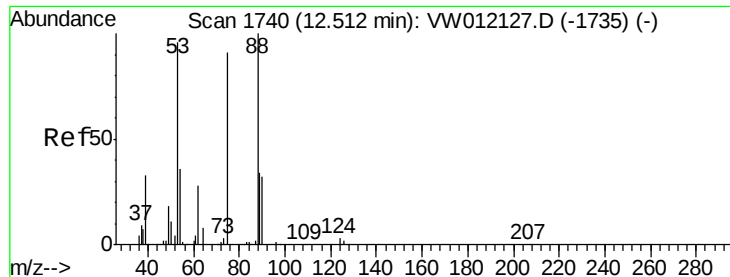
Tgt Ion: 152 Resp: 104903
 Ion Ratio Lower Upper
 152 100
 115 58.8 30.1 90.3
 150 156.1 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 71.996 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012667.D
 Acq: 06 Sep 2019 03:30

Tgt Ion: 75 Resp: 73557
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

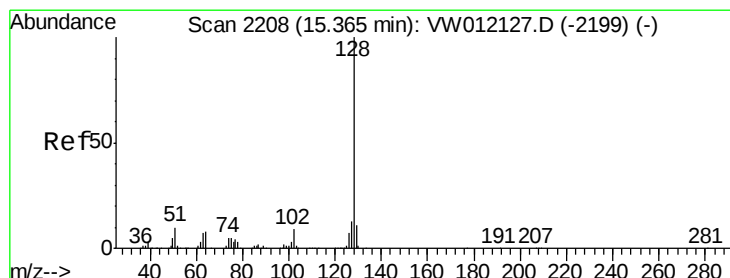
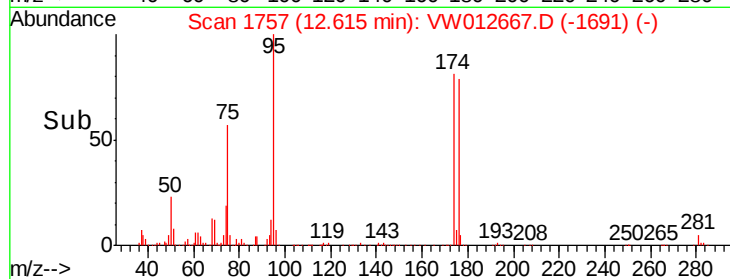
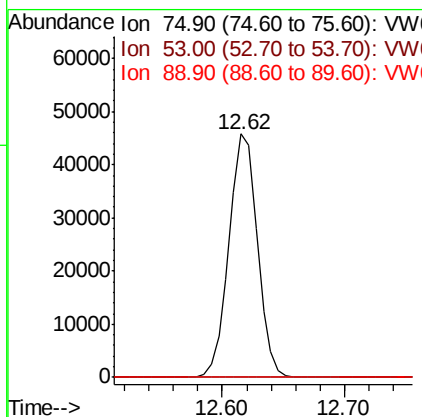
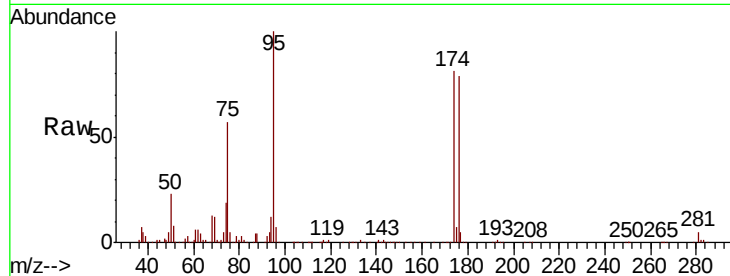




#81
trans-1,4-Dichloro-2-butene
Concen: 157.854 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(0)

Tgt Ion: 75 Resp: 73557
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.394 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012667.D
Acq: 06 Sep 2019 03:30

Tgt Ion: 128 Resp: 314
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 18.2 8.7 13.1#

