

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012654.D
 Acq On : 05 Sep 2019 21:02
 Operator : SY/VA
 Sample : K4579-05
 Misc : 5.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A1-(3.5)

Quant Time: Sep 06 07:55:38 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	240107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123912	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	152715	53.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.00%	
35) Dibromofluoromethane	7.88	113	117899	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	10.32	98	473937	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	145386	43.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.24%	

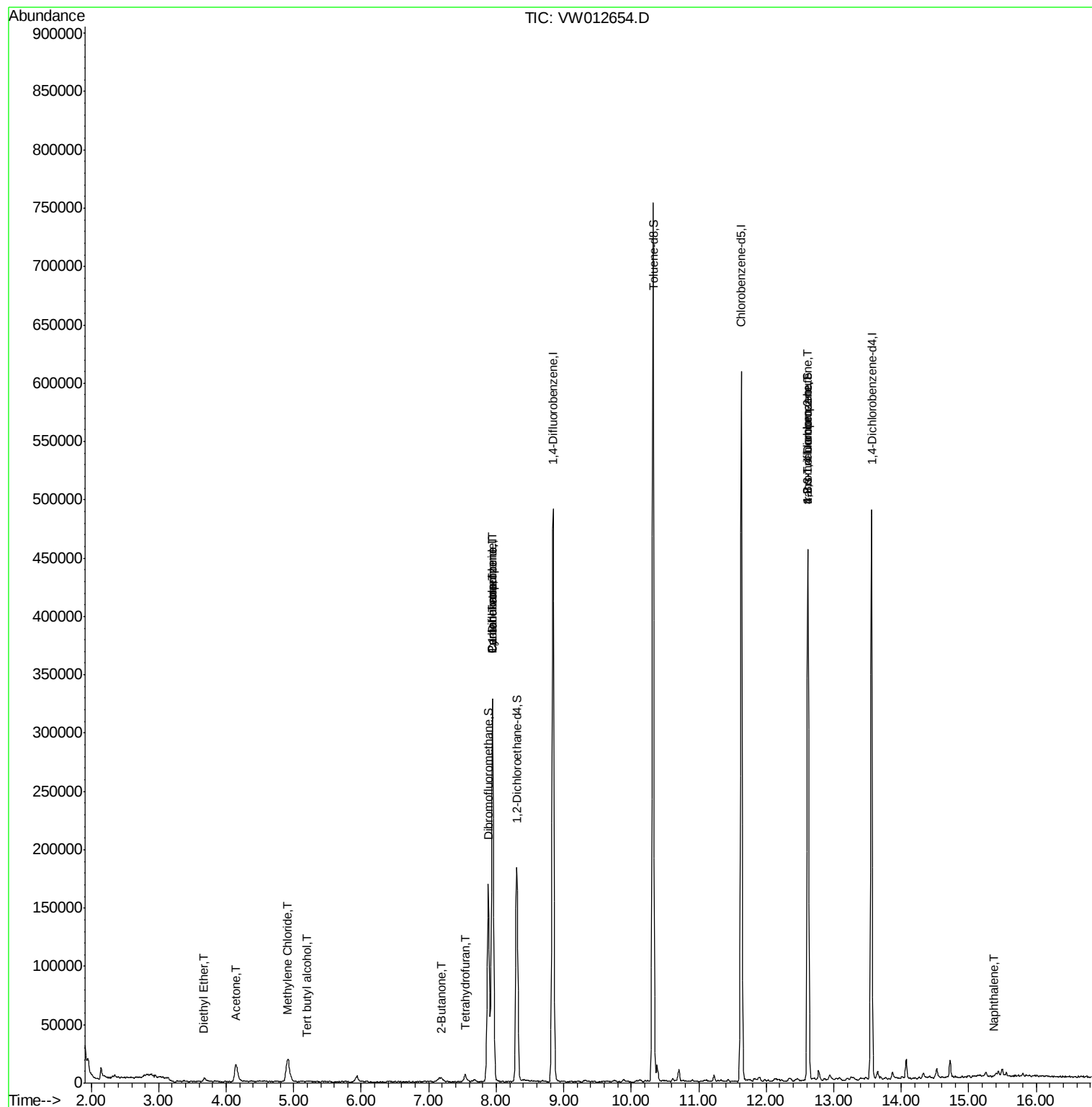
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1799	1.346	ug/l	94
11) Tert butyl alcohol	5.19	59	188	1.094	ug/l #	71
16) Acetone	4.14	43	33406	45.786	ug/l	99
20) Methylene Chloride	4.91	84	15665	5.679	ug/l	93
25) 2-Butanone	7.19	43	3783	3.816	ug/l	98
29) Tetrahydrofuran	7.54	42	5744	9.656	ug/l #	83
31) Cyclohexane	7.94	56	5452	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19848	4.917	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24626	7.048	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79611	65.968	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79611	144.637	ug/l #	6
95) Naphthalene	15.37	128	357	4.391	ug/l #	57

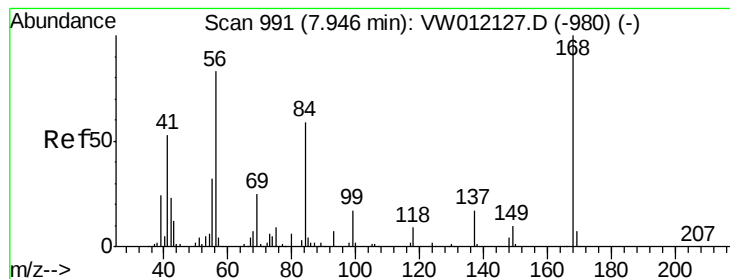
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
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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: VW012654.D

Acq: 05 Sep 2019 21:02

Instrument :

MSVOA_W

ClientSampleId :

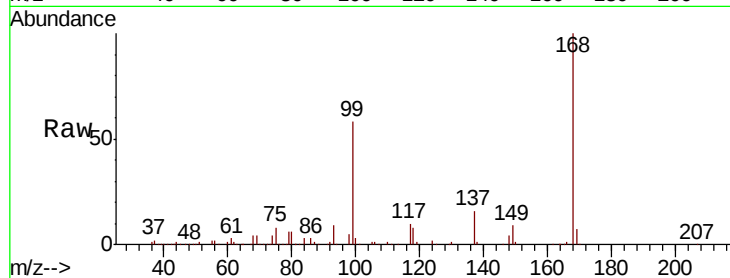
PAR-12-A1-(3.5)

Tgt Ion:168 Resp: 240107

Ion Ratio Lower Upper

168 100

99 58.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

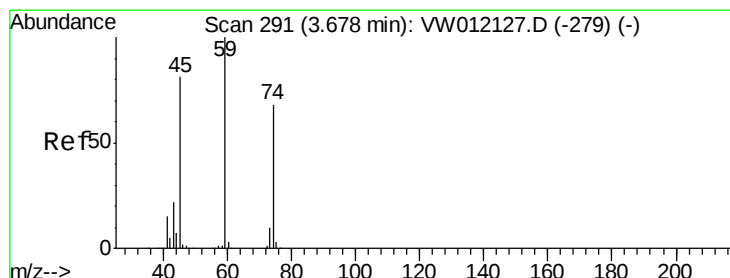
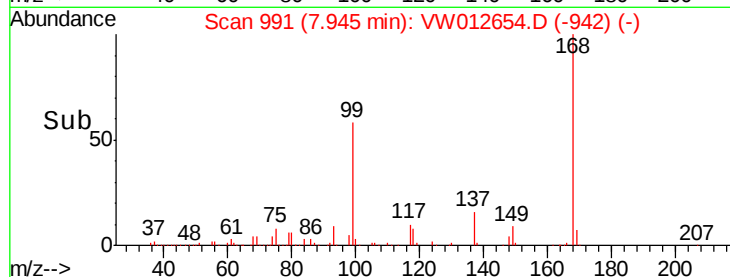
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.346 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012654.D

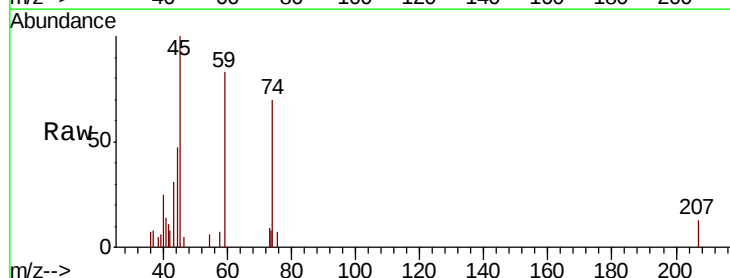
Acq: 05 Sep 2019 21:02

Tgt Ion: 74 Resp: 1799

Ion Ratio Lower Upper

74 100

45 112.0 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

1000

800

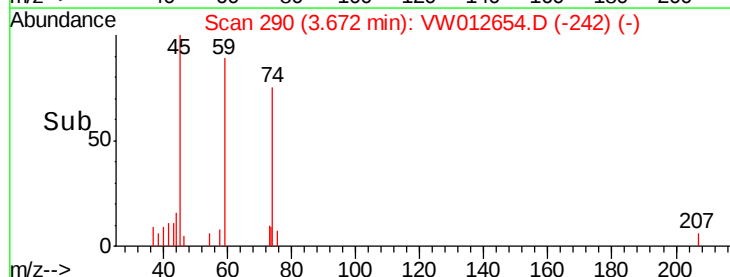
600

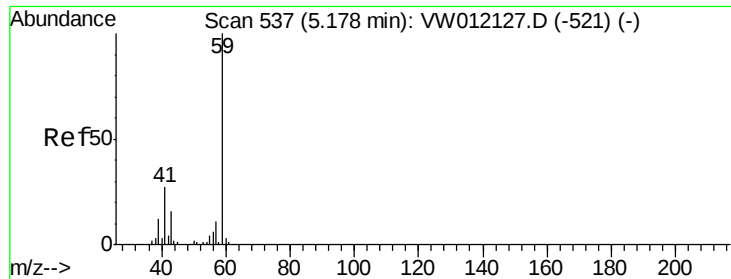
400

200

0

Time-->

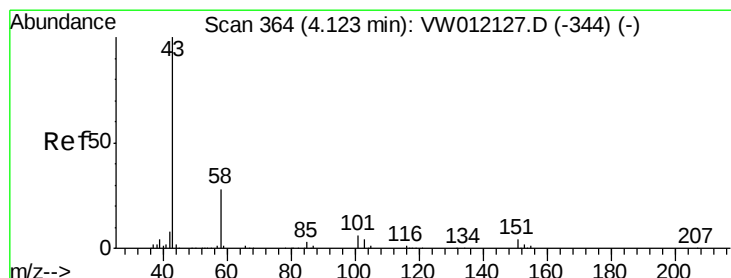
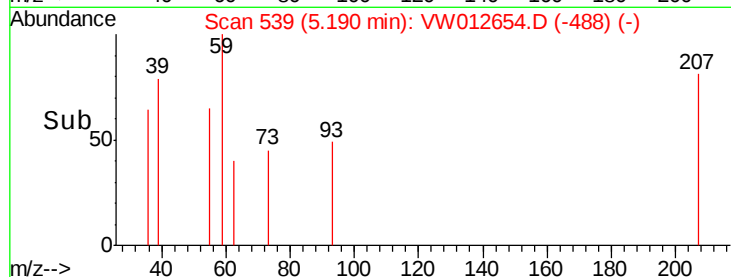
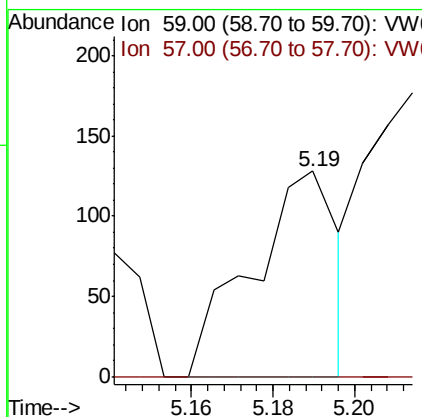
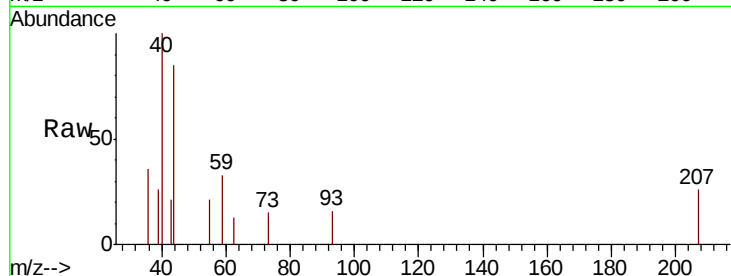




#11
Tert butyl alcohol
Concen: 1.094 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

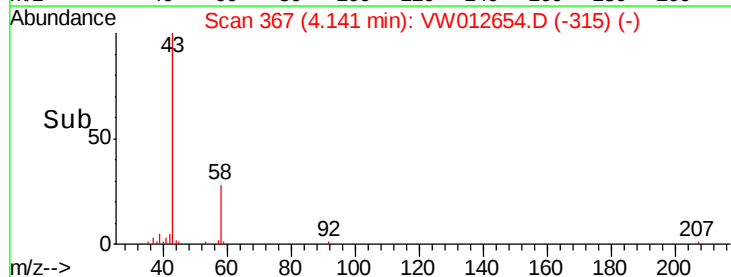
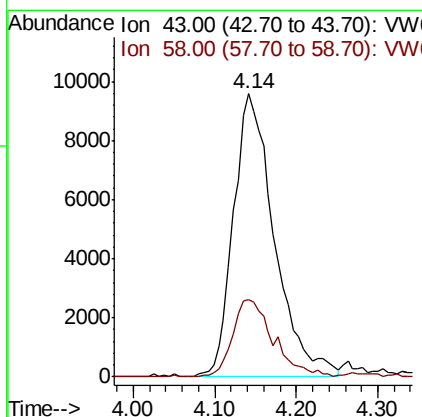
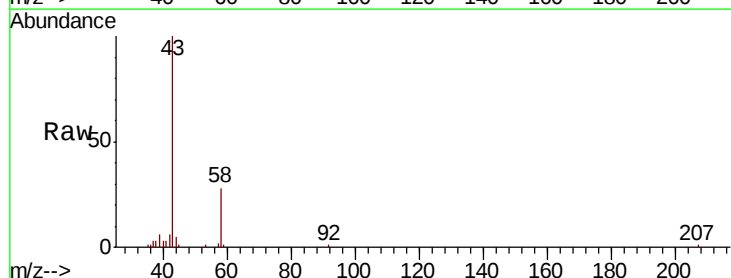
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(3.5)

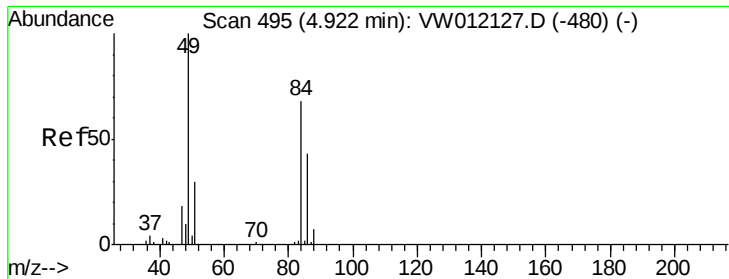
Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 45.786 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

Tgt Ion: 43 Resp: 33406
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

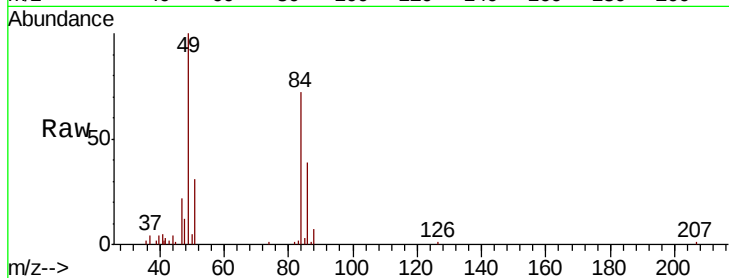




#20
Methylene Chloride
Concen: 5.679 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(3.5)

Tgt Ion:	84	Resp:	15665
Ion	Ratio	Lower	Upper
84	100		
49	139.3	117.8	176.8
51	43.5	35.6	53.4
86	54.2	51.2	76.8



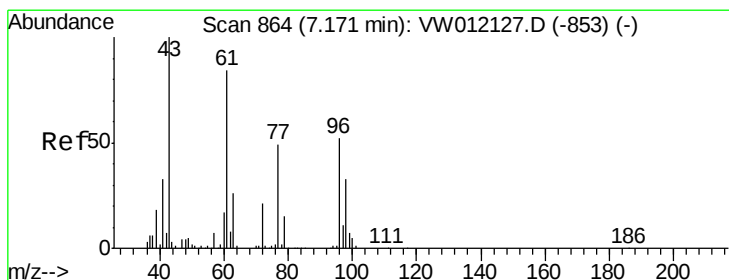
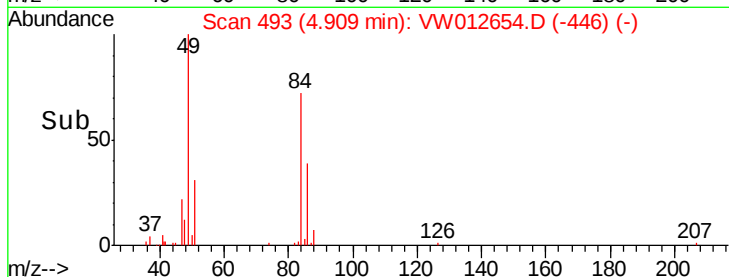
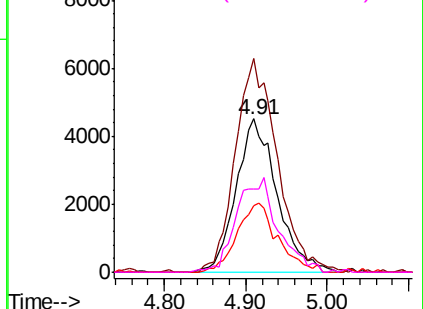
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

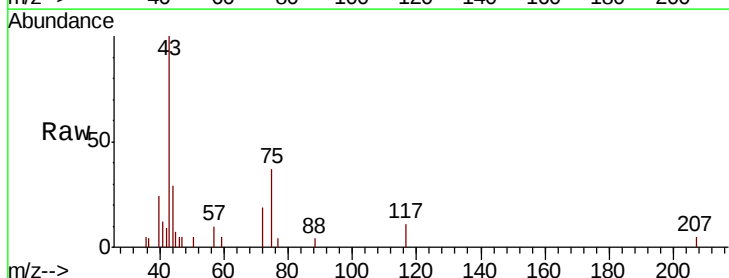
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 3.816 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

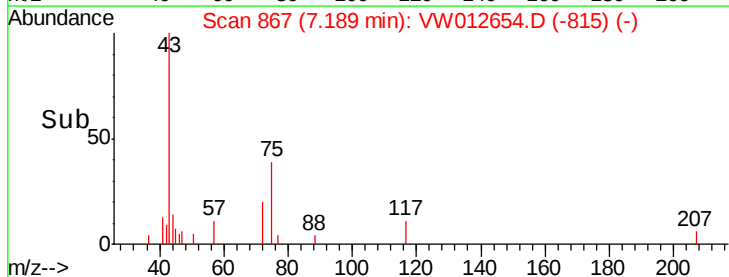
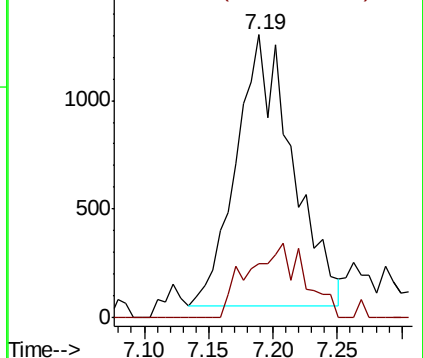
Tgt Ion:	43	Resp:	3783
Ion	Ratio	Lower	Upper
43	100		
72	20.0	16.6	24.8

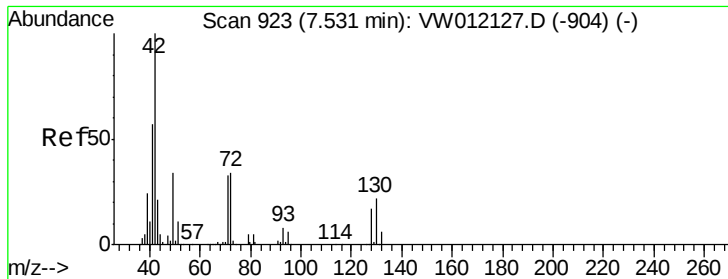


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

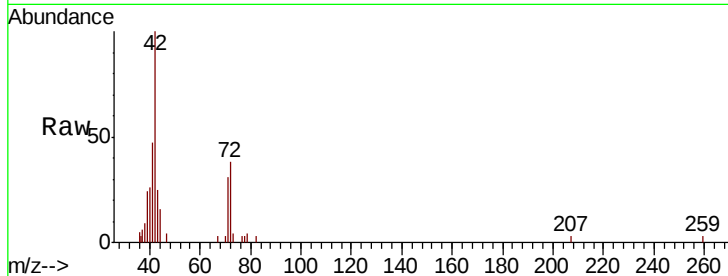




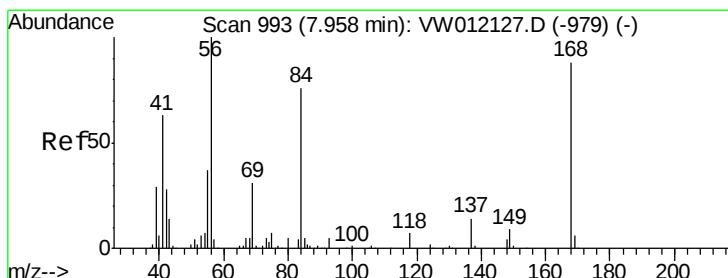
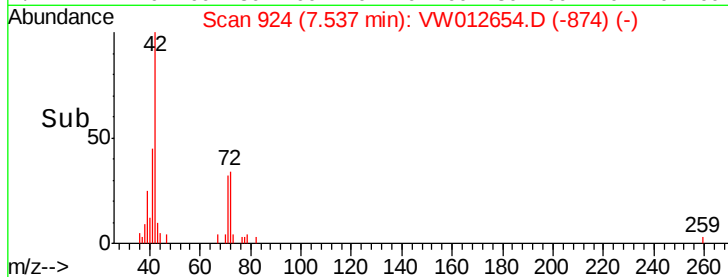
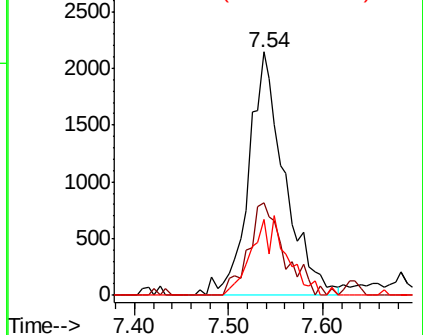
#29
Tetrahydrofuran
Concen: 9.656 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(3.5)

Tgt Ion: 42 Resp: 5744
Ion Ratio Lower Upper
42 100
72 37.9 27.3 40.9
71 16.1 25.5 38.3#

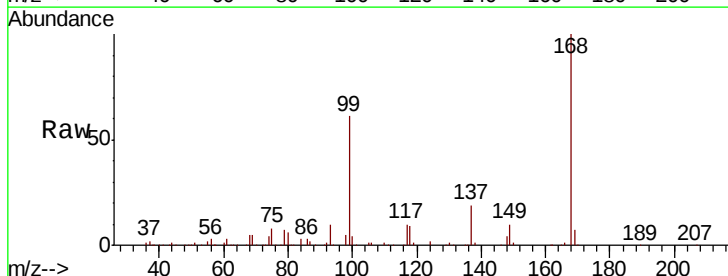


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

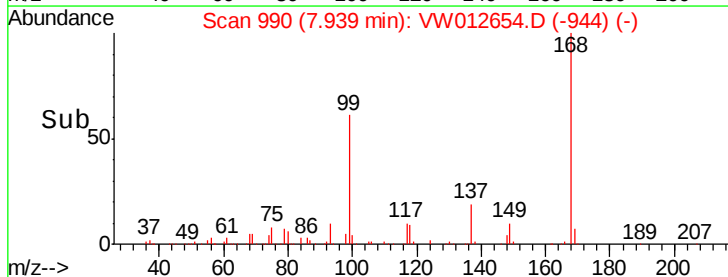
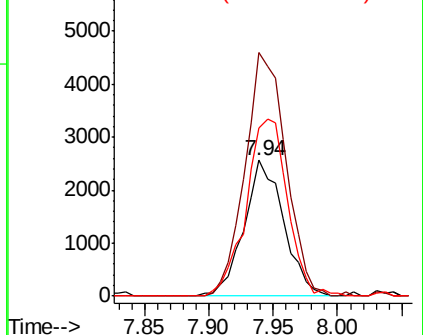


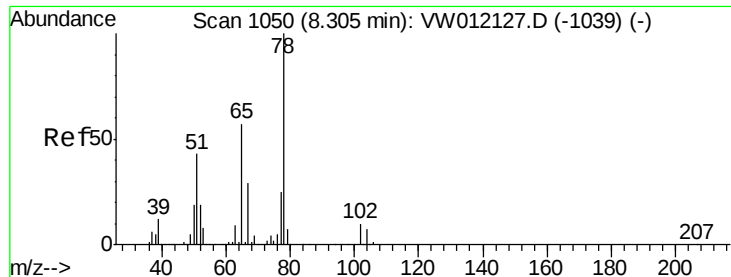
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

Tgt Ion: 56 Resp: 5452
Ion Ratio Lower Upper
56 100
69 179.1 24.9 37.3#
84 123.4 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

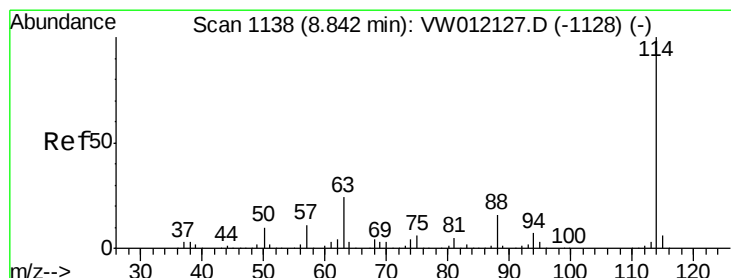
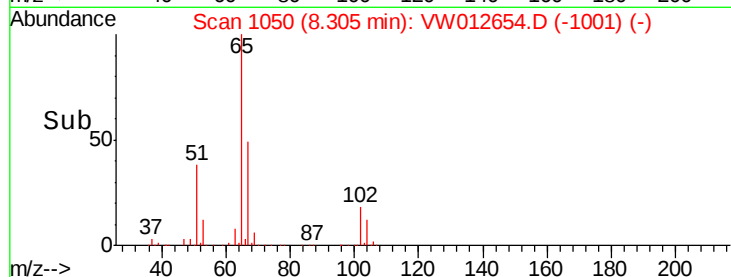
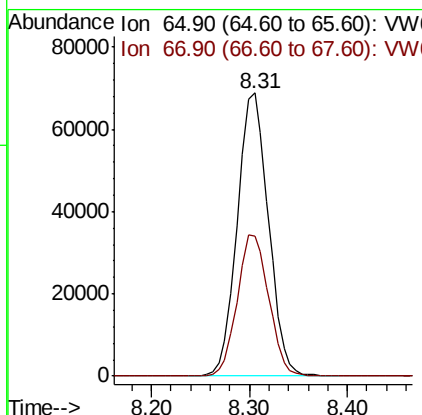
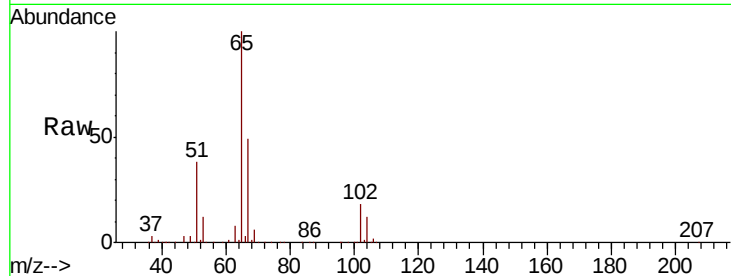




#33
 1,2-Dichloroethane-d4
 Concen: 53.504 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012654.D
 Acq: 05 Sep 2019 21:02

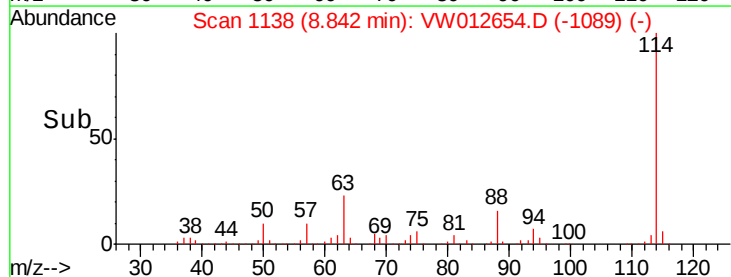
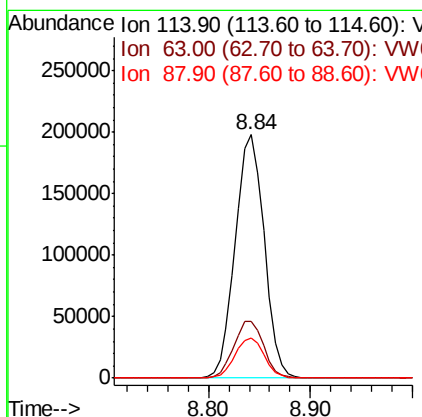
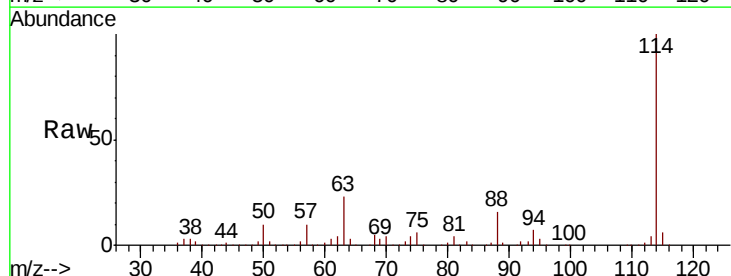
Instrument :
 MSVOA_W
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 PAR-12-A1-(3.5)

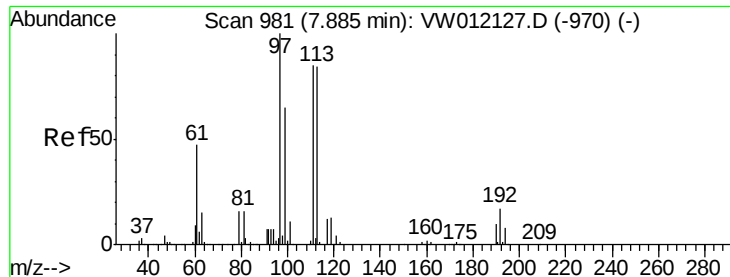
Tgt Ion: 65 Resp: 152715
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012654.D
 Acq: 05 Sep 2019 21:02

Tgt Ion: 114 Resp: 390659
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.560 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012654.D

Acq: 05 Sep 2019 21:02

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(3.5)

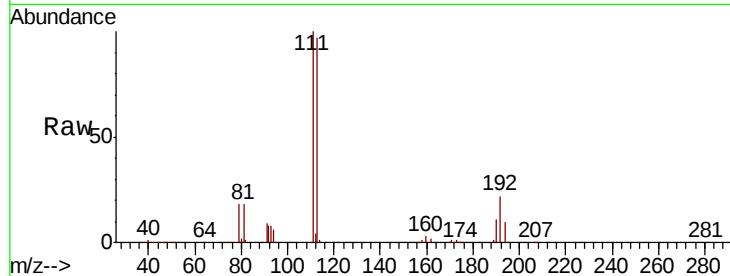
Tgt Ion:113 Resp: 117899

Ion Ratio Lower Upper

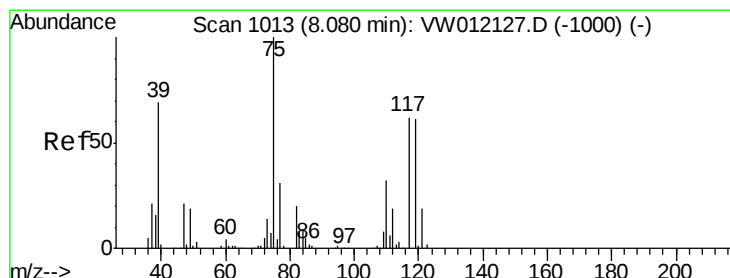
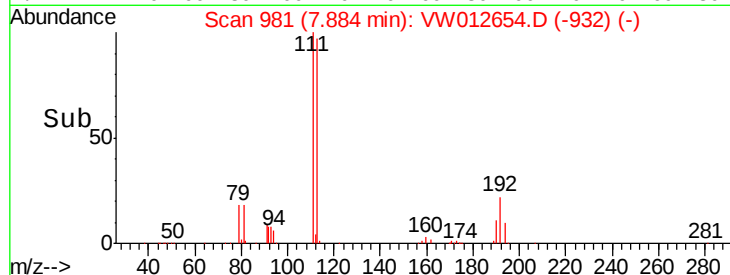
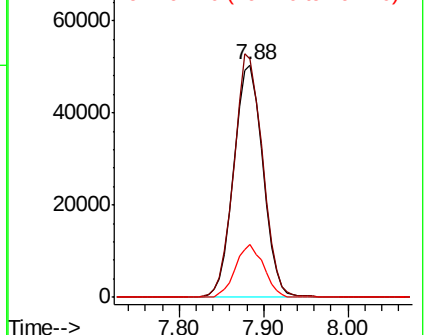
113 100

111 103.2 82.7 124.1

192 21.9 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: 4.917 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012654.D

Acq: 05 Sep 2019 21:02

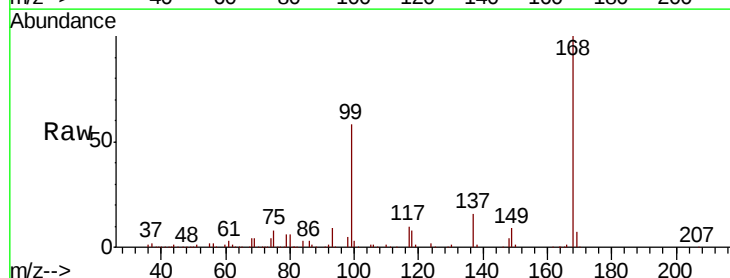
Tgt Ion: 75 Resp: 19848

Ion Ratio Lower Upper

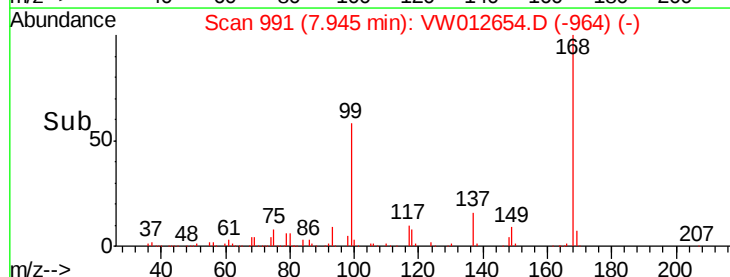
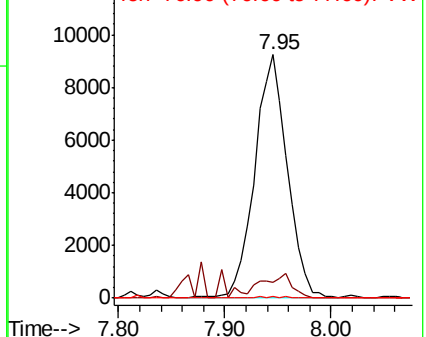
75 100

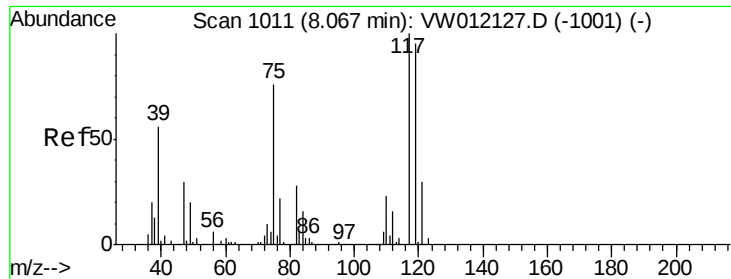
110 9.3 15.6 46.8#

77 0.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.048 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012654.D

Acq: 05 Sep 2019 21:02

Instrument :

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ClientSampleId :

PAR-12-A1-(3.5)

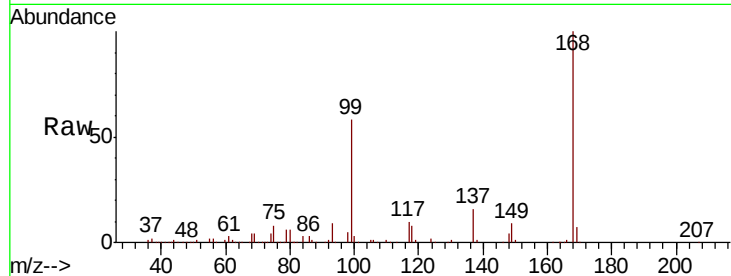
Tgt Ion:117 Resp: 24626

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

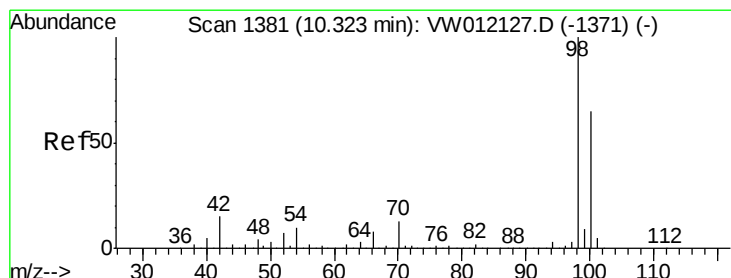
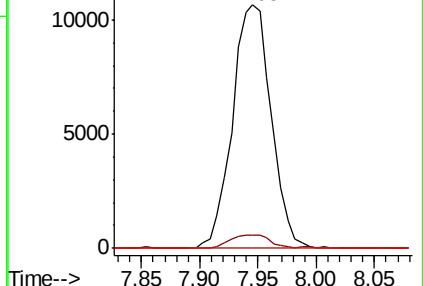
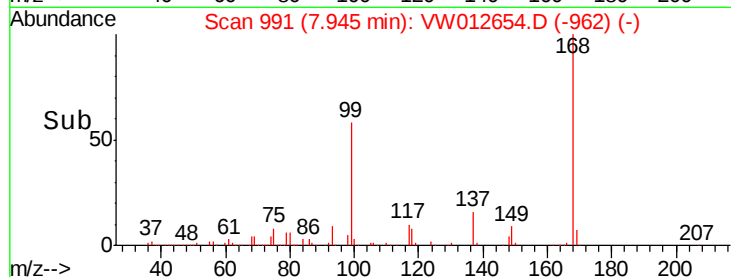
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.126 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012654.D

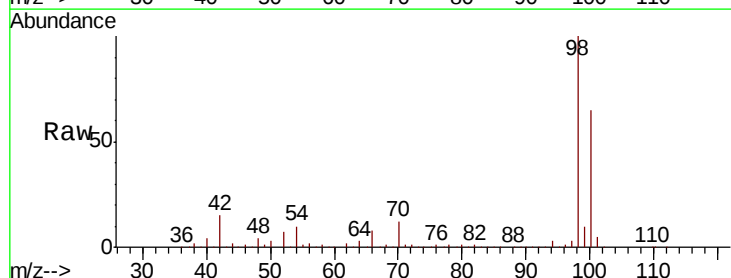
Acq: 05 Sep 2019 21:02

Tgt Ion: 98 Resp: 473937

Ion Ratio Lower Upper

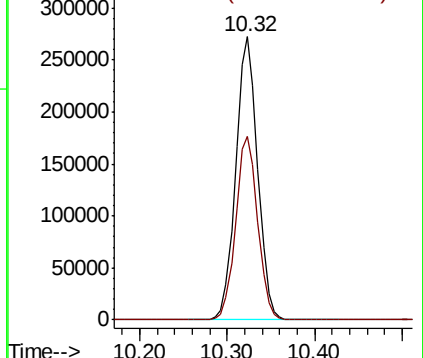
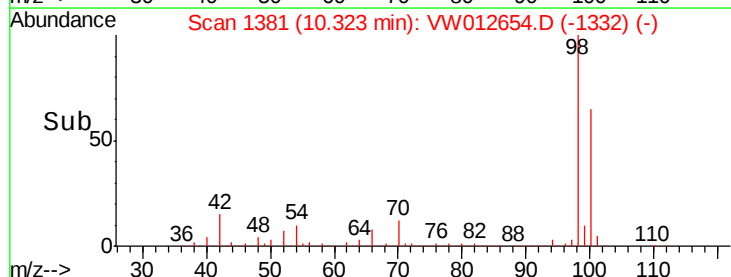
98 100

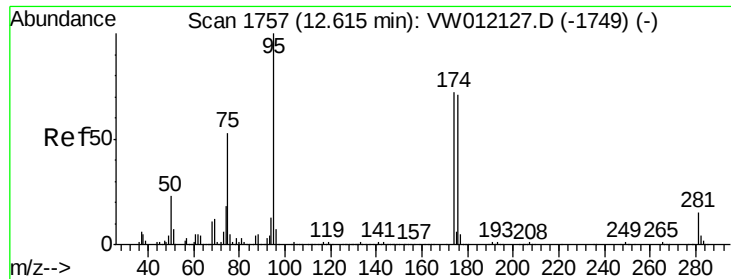
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

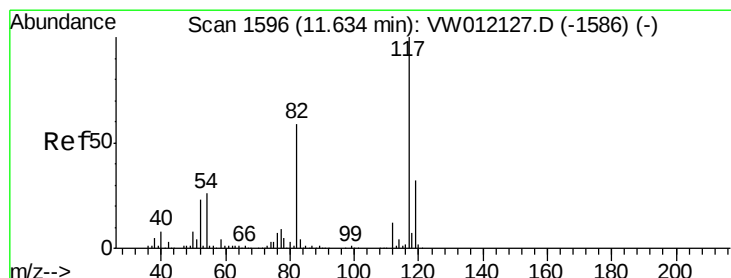
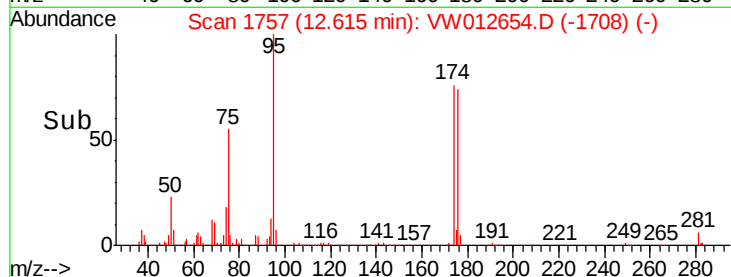
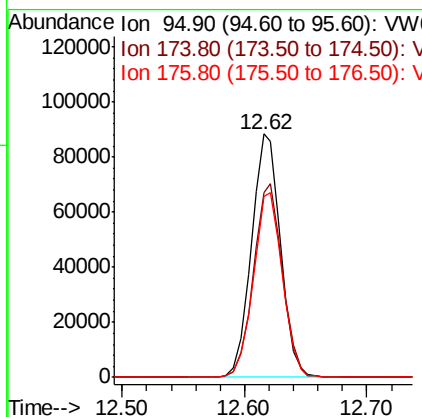
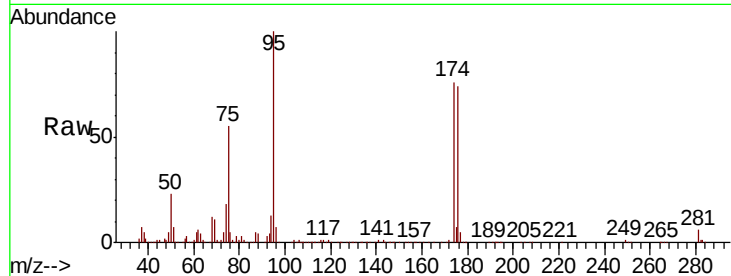




#62
4-Bromofluorobenzene
Concen: 43.622 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

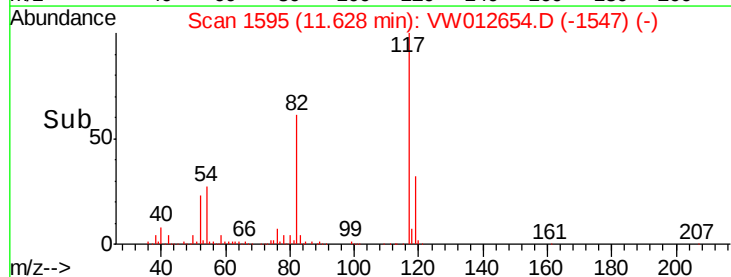
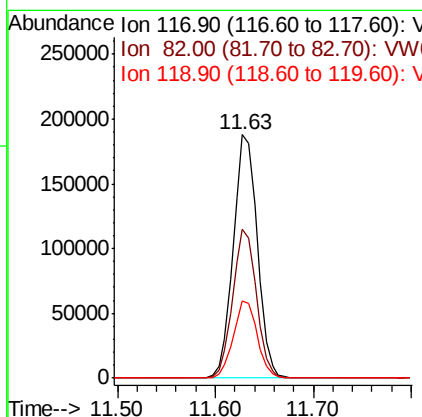
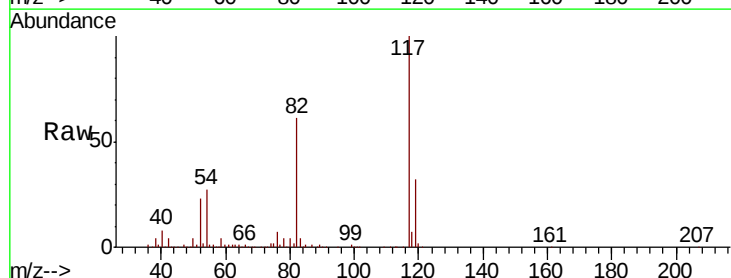
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(3.5)

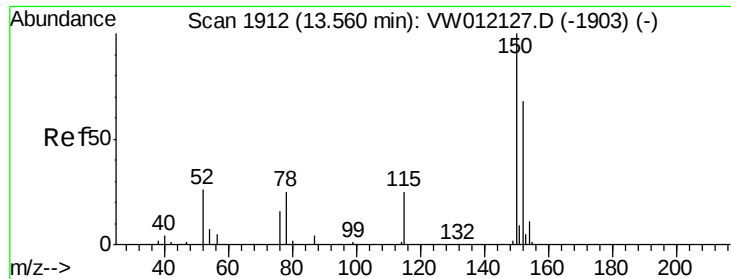
Tgt Ion: 95 Resp: 145386
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.8
176 76.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012654.D
Acq: 05 Sep 2019 21:02

Tgt Ion: 117 Resp: 321045
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.0 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: VW012654.D

Acq: 05 Sep 2019 21:02

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A1-(3.5)

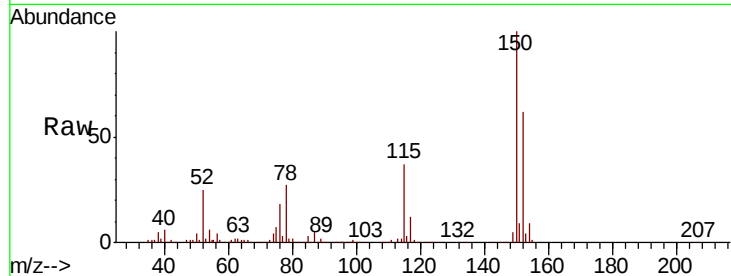
Tgt Ion:152 Resp: 123912

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

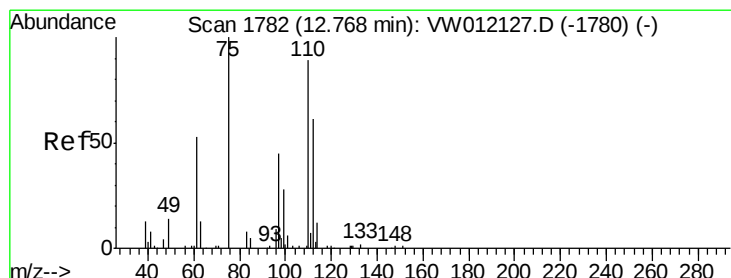
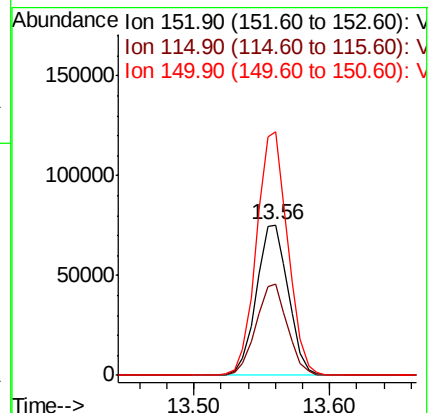
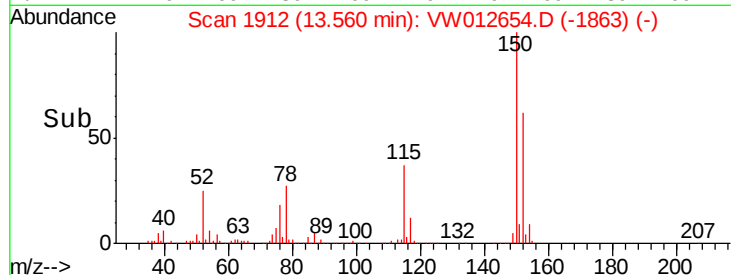
150 158.9 0.0 345.8



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: 65.968 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012654.D

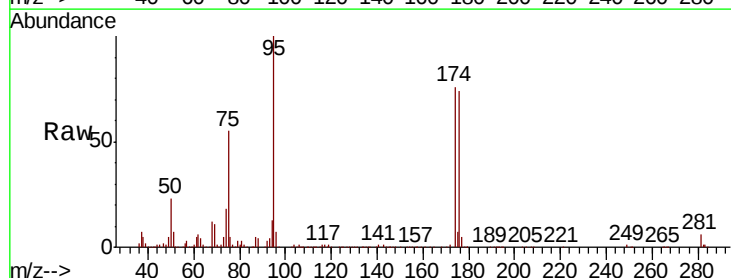
Acq: 05 Sep 2019 21:02

Tgt Ion: 75 Resp: 79611

Ion Ratio Lower Upper

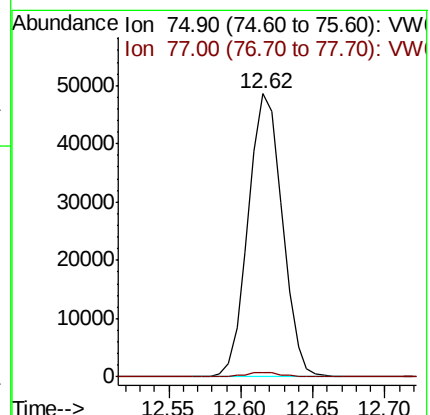
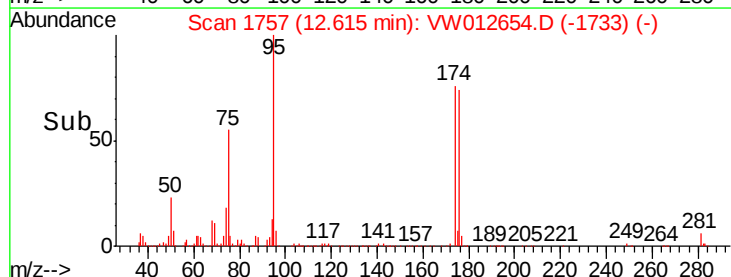
75 100

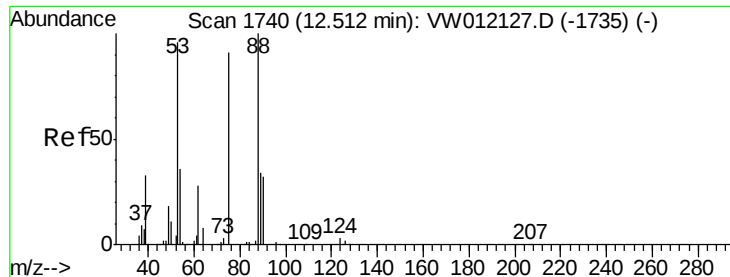
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 144.637 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012654.D

Acq: 05 Sep 2019 21:02

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A1-(3.5)

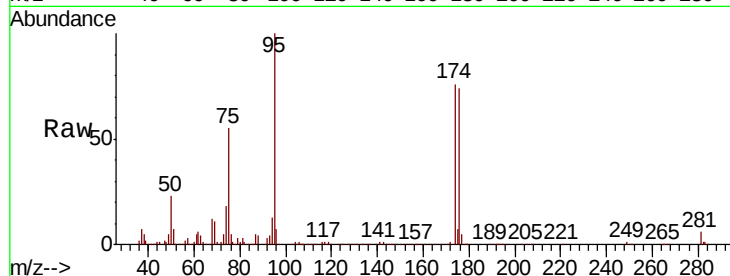
Tgt Ion: 75 Resp: 79611

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

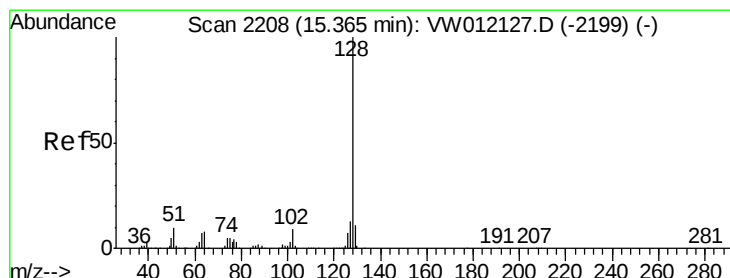
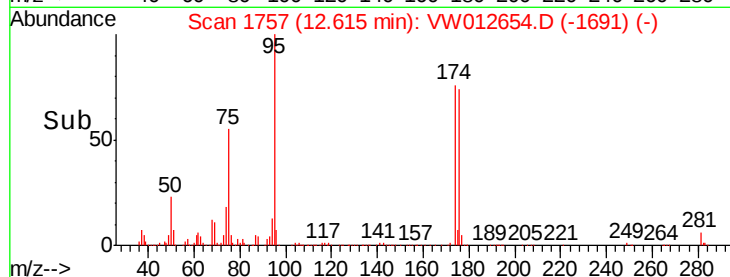
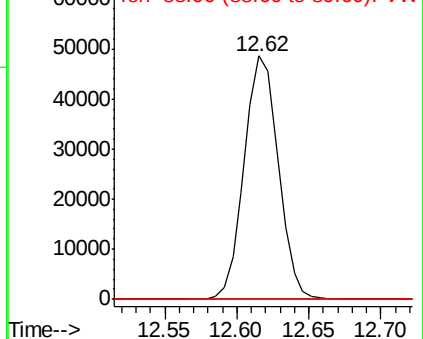
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.391 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012654.D

Acq: 05 Sep 2019 21:02

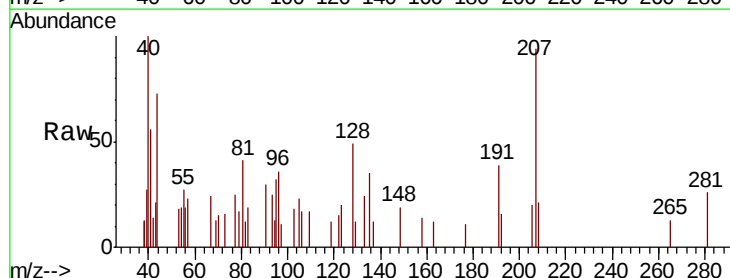
Tgt Ion: 128 Resp: 357

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 31.7 8.7 13.1#



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

