

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012670.D
 Acq On : 06 Sep 2019 04:47
 Operator : SY/VA
 Sample : K4579-15
 Misc : 6.16G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B3-(3.5)

Quant Time: Sep 06 07:59:21 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	258182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	165636	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	7.88	113	125517	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.32	98	498973	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	148104	42.34	ug/l	0.00
Spiked Amount			Recovery	=	84.68%	

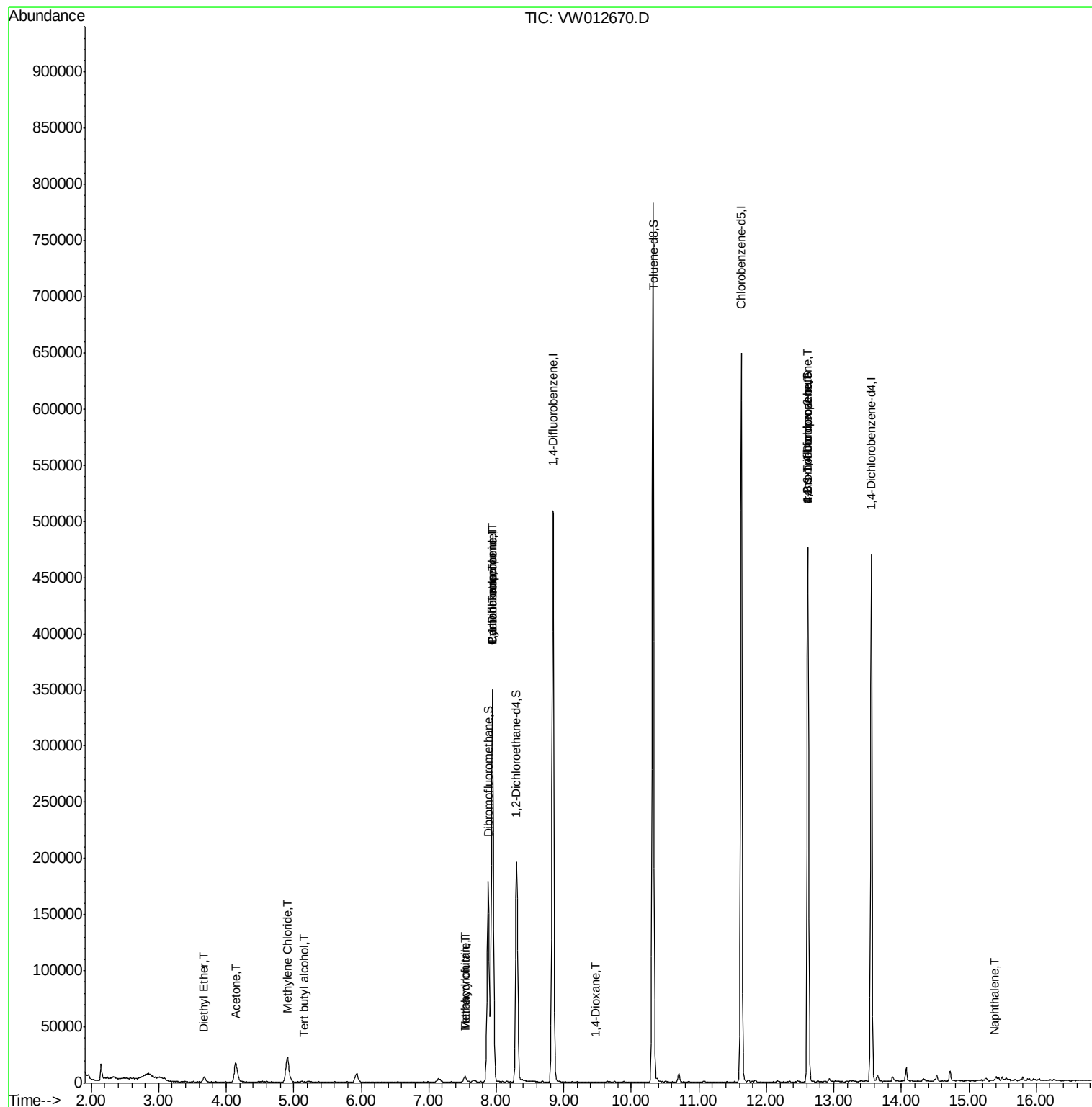
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2349	1.635	ug/l	93
11) Tert butyl alcohol	5.15	59	200	1.083	ug/l	98
16) Acetone	4.14	43	38308	48.829	ug/l	97
20) Methylene Chloride	4.90	84	16475	5.555	ug/l	91
29) Tetrahydrofuran	7.53	42	4709	7.362	ug/l	94
31) Cyclohexane	7.95	56	6218	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20890	4.931	ug/l #	53
38) Carbon Tetrachloride	7.95	117	25523	6.960	ug/l #	17
41) Methacrylonitrile	7.54	41	3274	2.399	ug/l #	56
49) 1,4-Dioxane	9.48	88	52	2.452	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	80621	68.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80621	151.140	ug/l #	6
95) Naphthalene	15.37	128	307	4.383	ug/l #	69

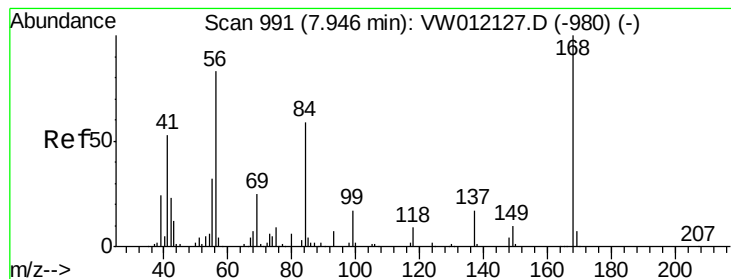
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW012670.D

Acq: 06 Sep 2019 04:47

Instrument :

MSVOA_W

ClientSampled :

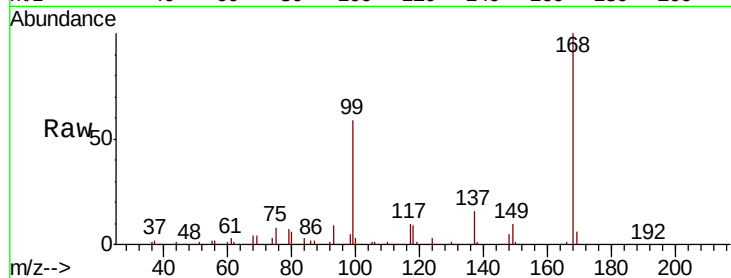
PAR-12-B3-(3.5)

Tgt Ion:168 Resp: 258182

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

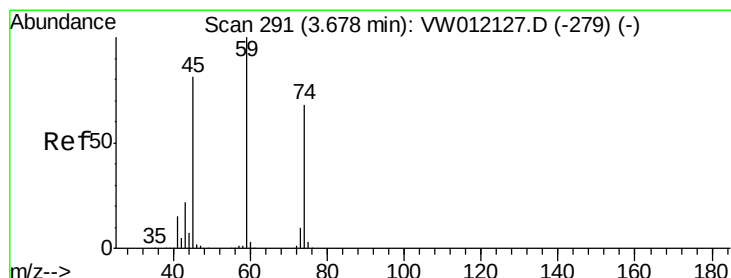
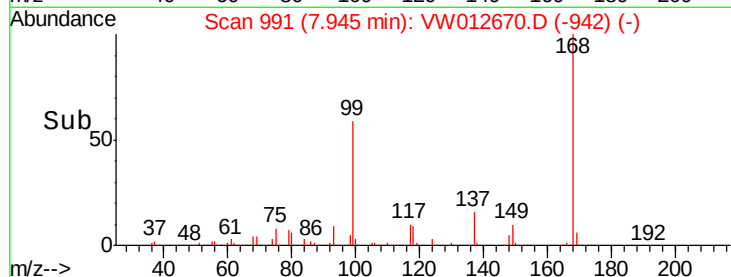
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.635 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012670.D

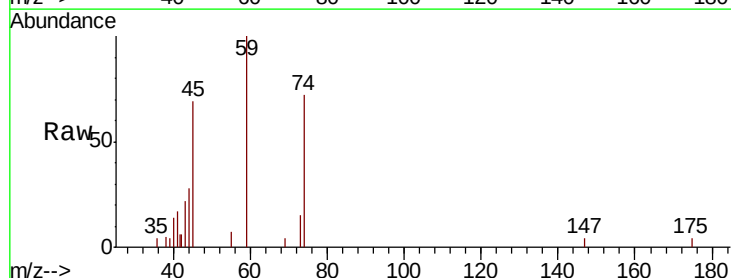
Acq: 06 Sep 2019 04:47

Tgt Ion: 74 Resp: 2349

Ion Ratio Lower Upper

74 100

45 125.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

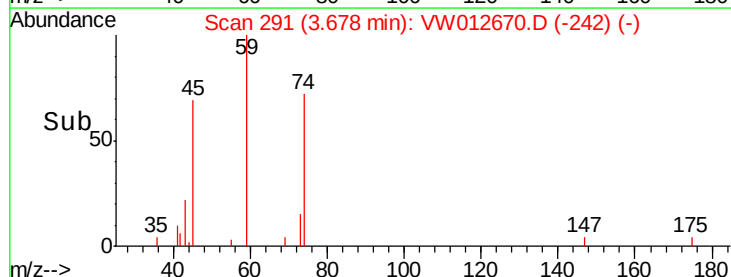
1500

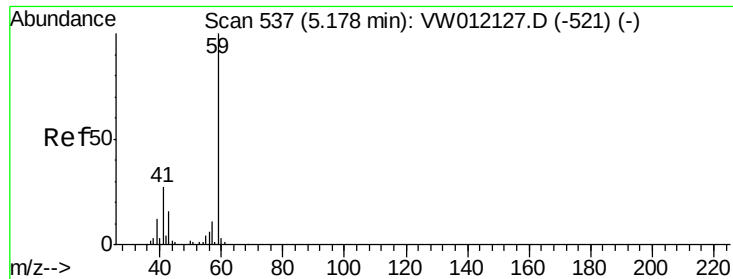
1000

500

0

Time--> 3.60 3.65 3.70 3.75

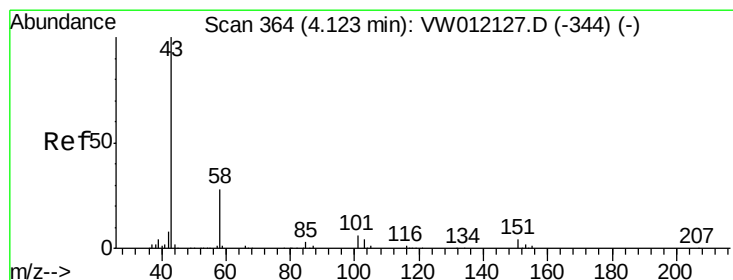
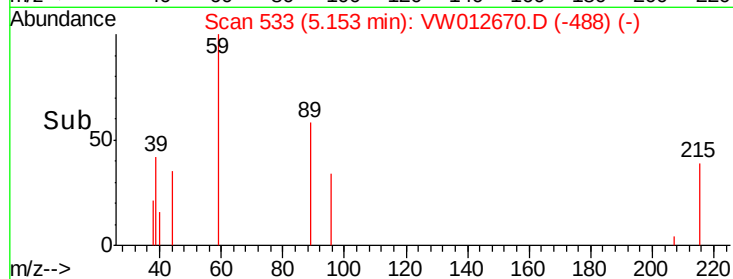
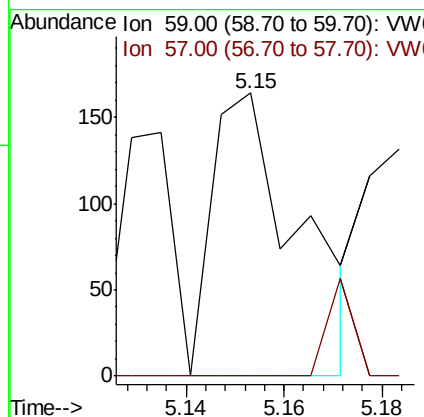
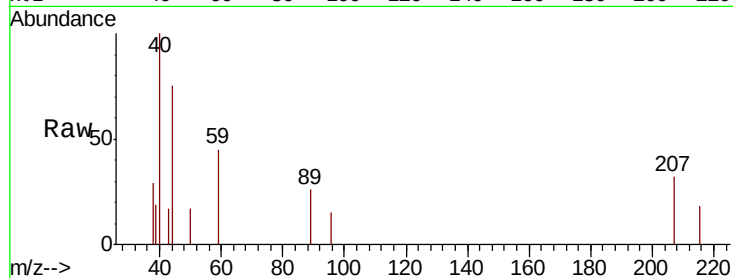




#11
Tert butyl alcohol
Concen: 1.083 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

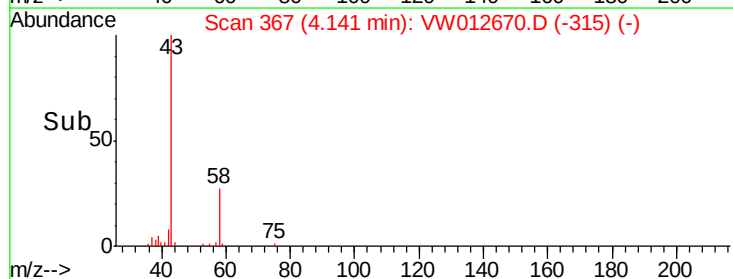
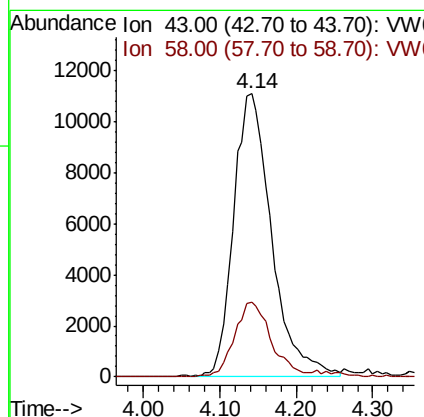
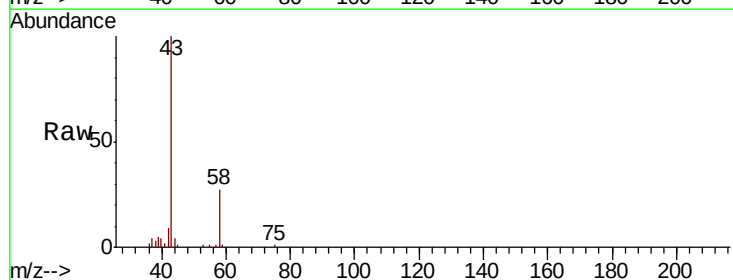
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

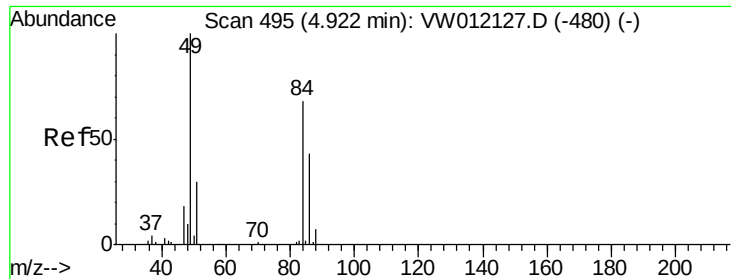
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#16
Acetone
Concen: 48.829 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Tgt Ion: 43 Resp: 38308
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6

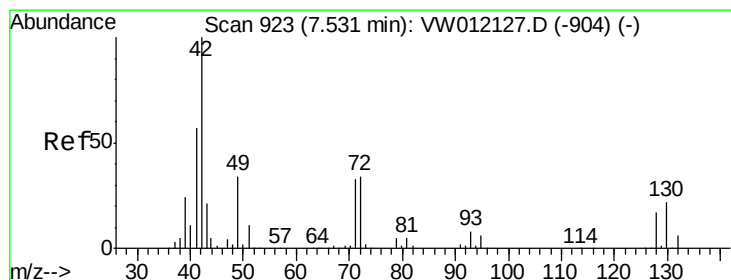
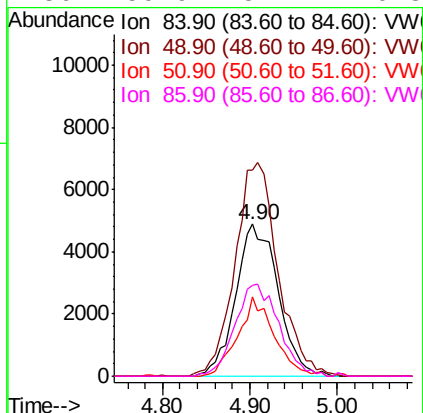
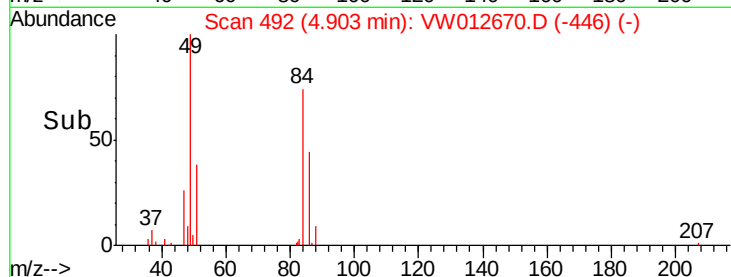
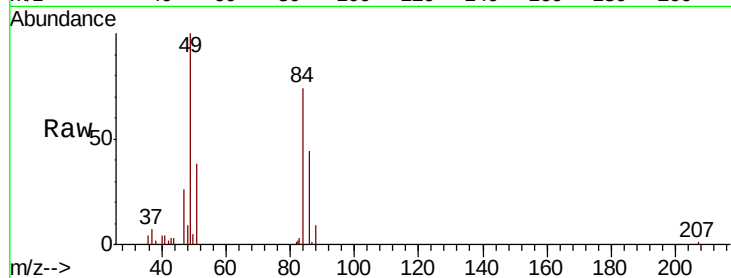




#20
Methylene Chloride
Concen: 5.555 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

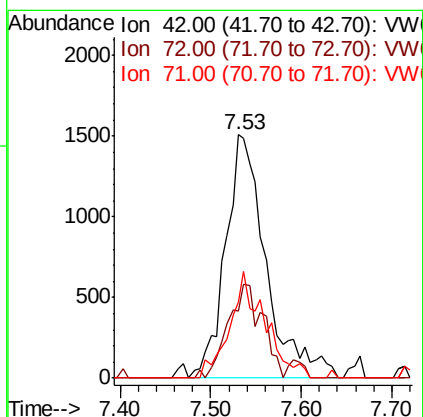
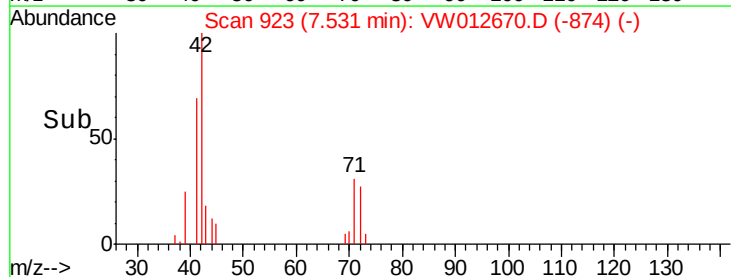
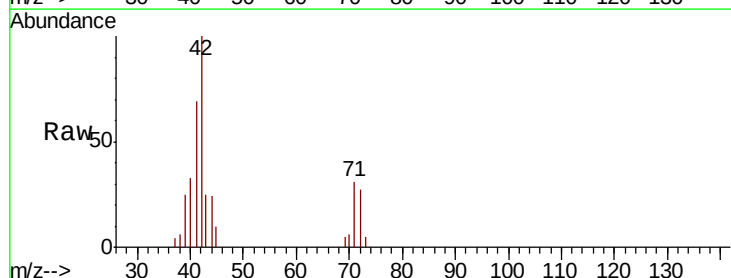
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

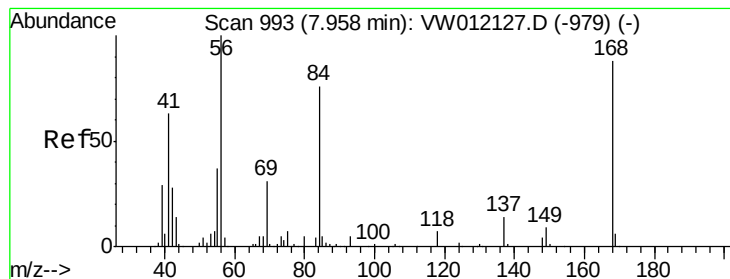
Tgt Ion: 84 Resp: 16475
Ion Ratio Lower Upper
84 100
49 135.2 117.8 176.8
51 51.9 35.6 53.4
86 59.9 51.2 76.8



#29
Tetrahydrofuran
Concen: 7.362 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Tgt Ion: 42 Resp: 4709
Ion Ratio Lower Upper
42 100
72 32.6 27.3 40.9
71 37.6 25.5 38.3





#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012670.D

Acq: 06 Sep 2019 04:47

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B3-(3.5)

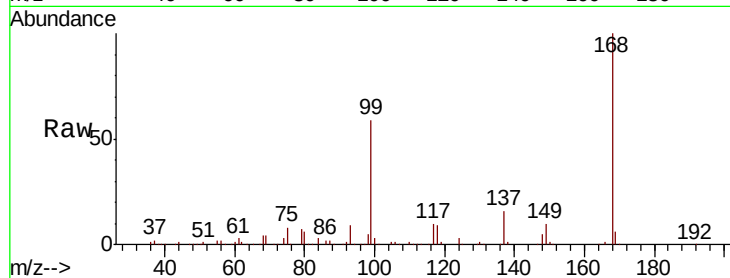
Tgt Ion: 56 Resp: 6218

Ion Ratio Lower Upper

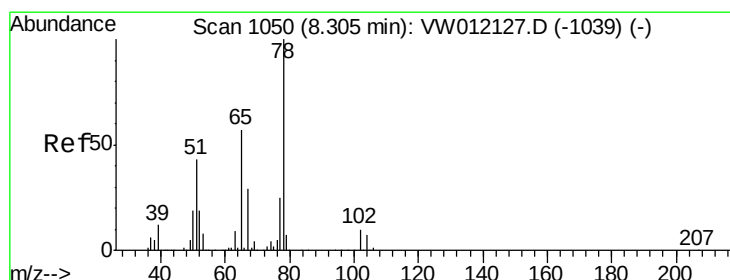
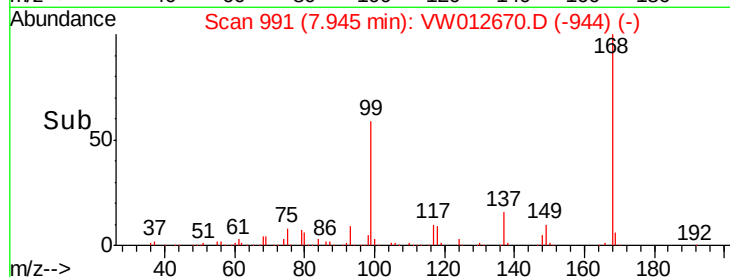
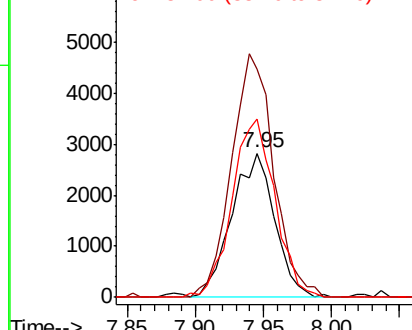
56 100

69 158.9 24.9 37.3#

84 124.3 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: 53.968 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012670.D

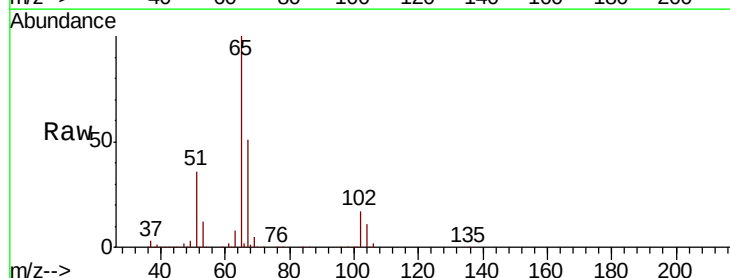
Acq: 06 Sep 2019 04:47

Tgt Ion: 65 Resp: 165636

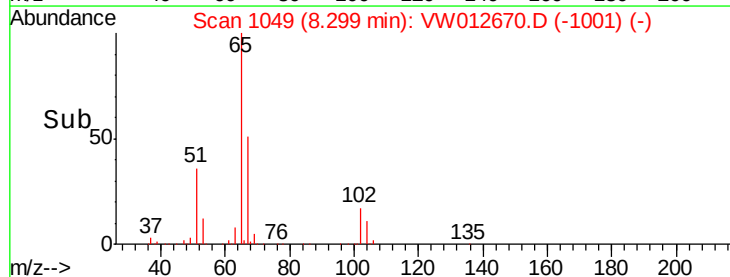
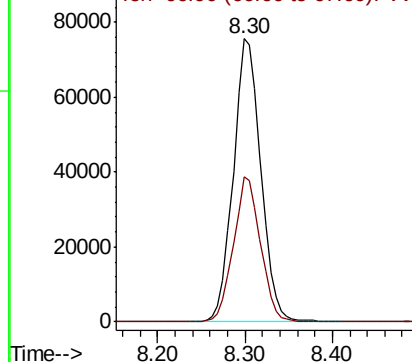
Ion Ratio Lower Upper

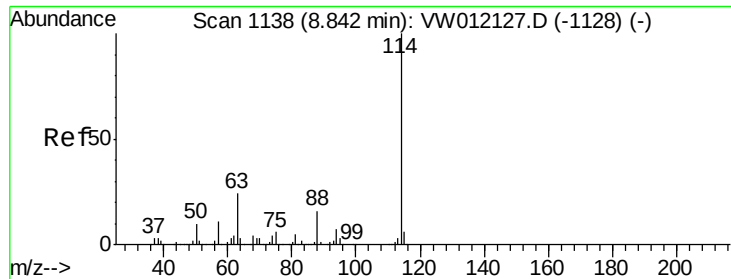
65 100

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: VW012670.D

Acq: 06 Sep 2019 04:47

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B3-(3.5)

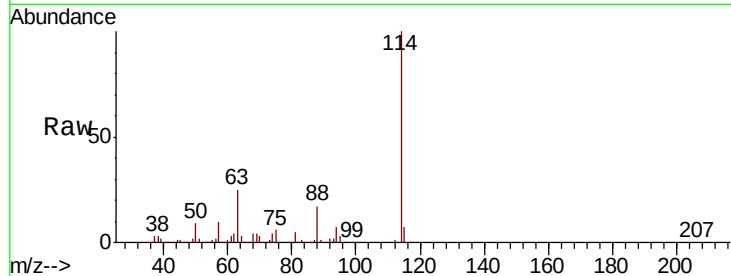
Tgt Ion:114 Resp: 409978

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

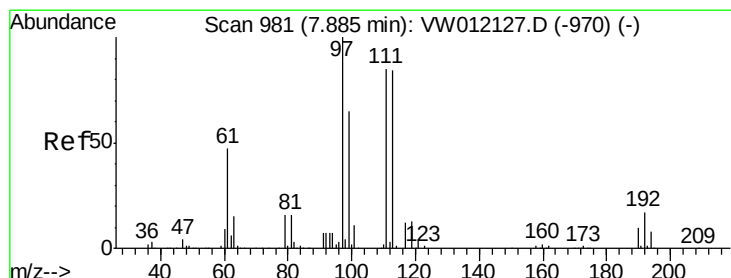
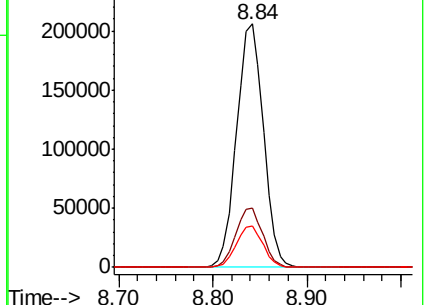
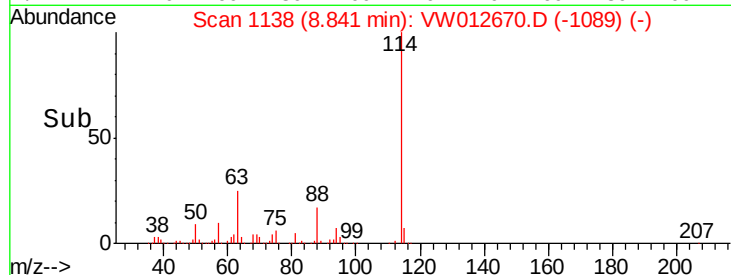
88 17.0 0.0 32.2



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: 51.291 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012670.D

Acq: 06 Sep 2019 04:47

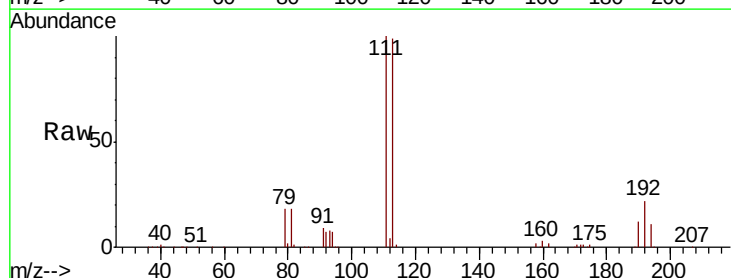
Tgt Ion:113 Resp: 125517

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

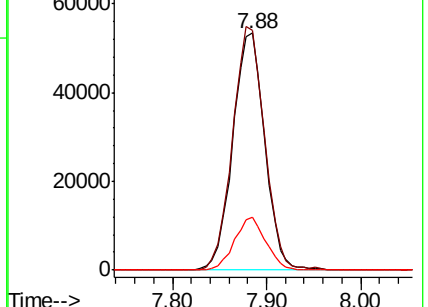
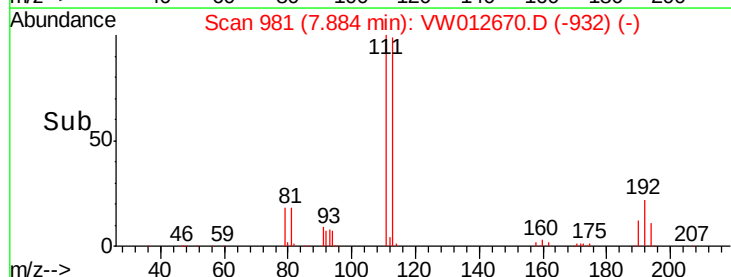
192 21.8 16.2 24.2

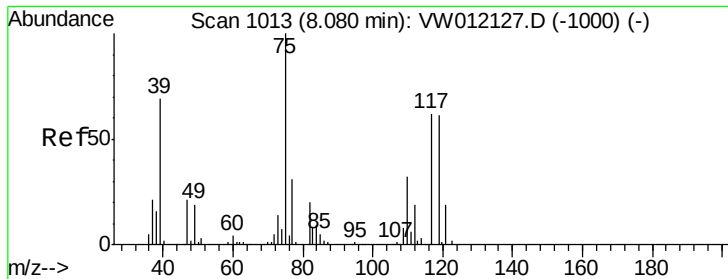


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

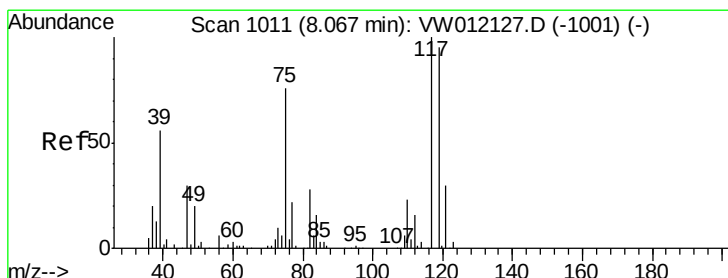
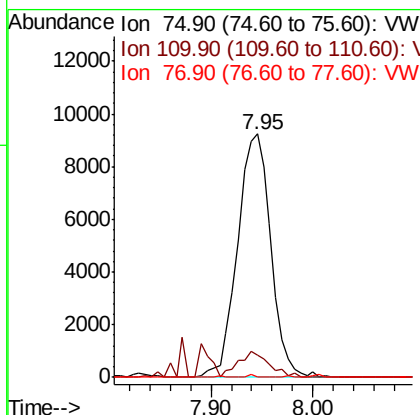
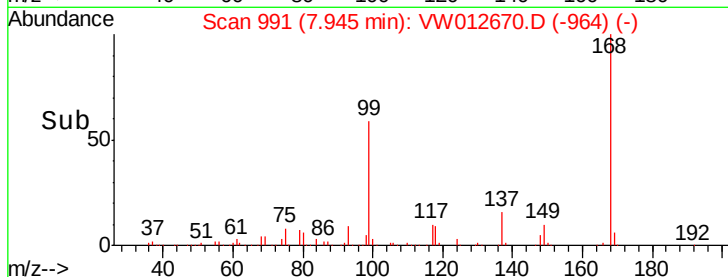
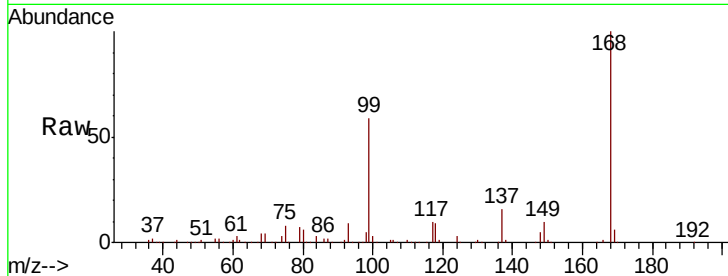




#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012670.D
 Acq: 06 Sep 2019 04:47

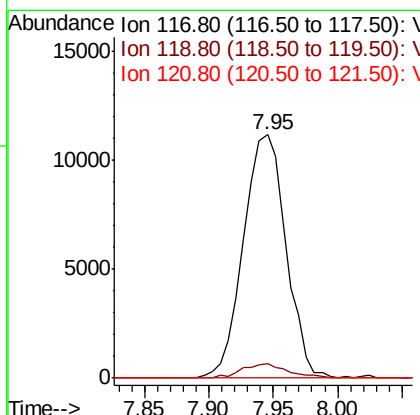
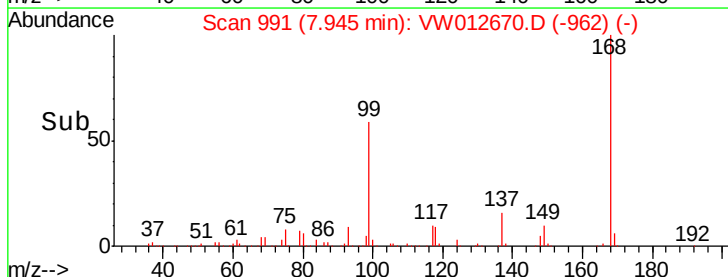
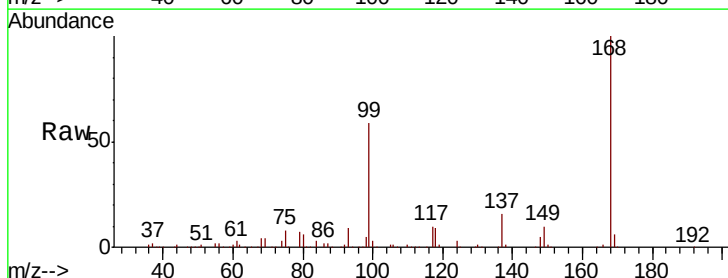
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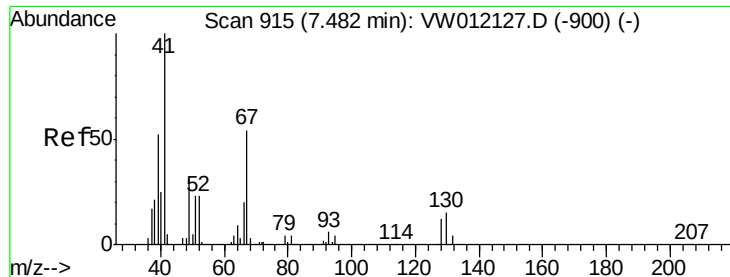
Tgt Ion: 75 Resp: 20890
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.960 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012670.D
 Acq: 06 Sep 2019 04:47

Tgt Ion: 117 Resp: 25523
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.2#
 121 0.0 23.8 35.8#

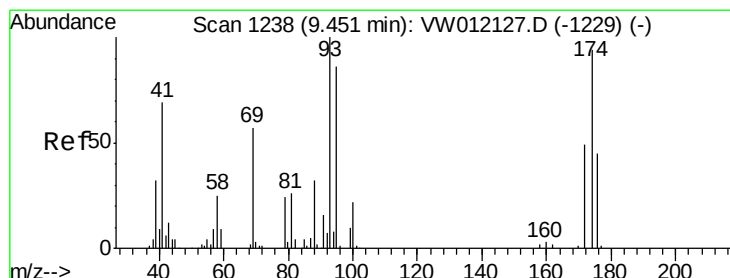
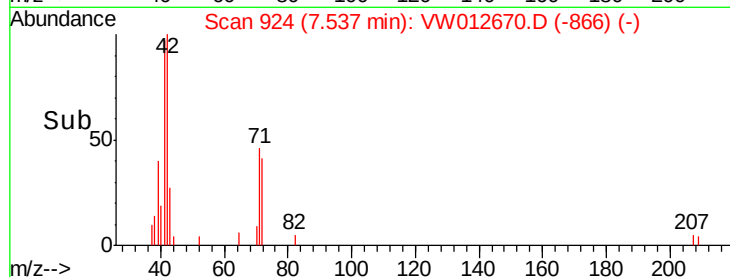
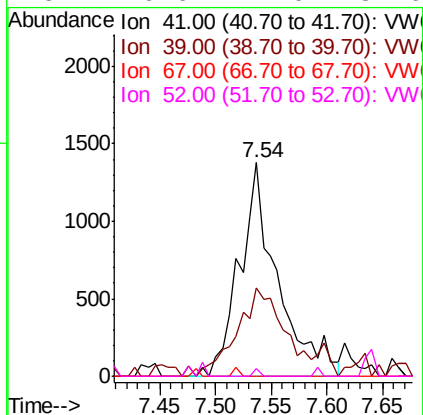
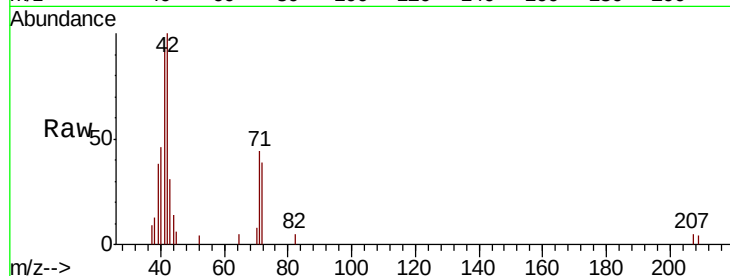




#41
Methacrylonitrile
Concen: 2.399 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

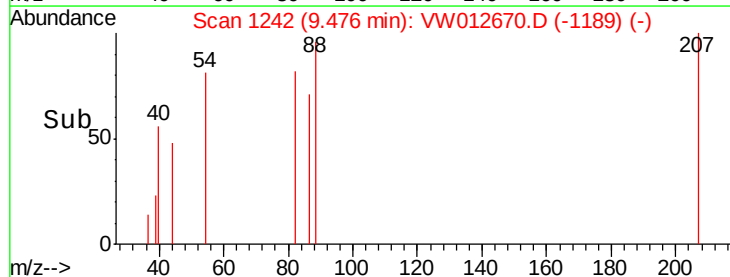
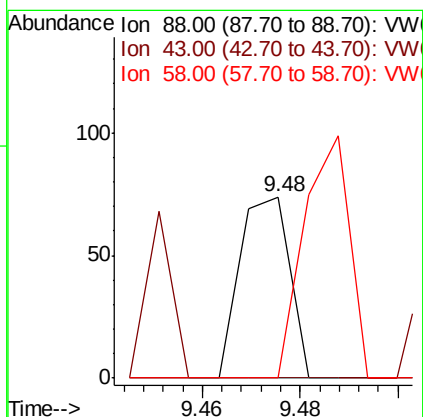
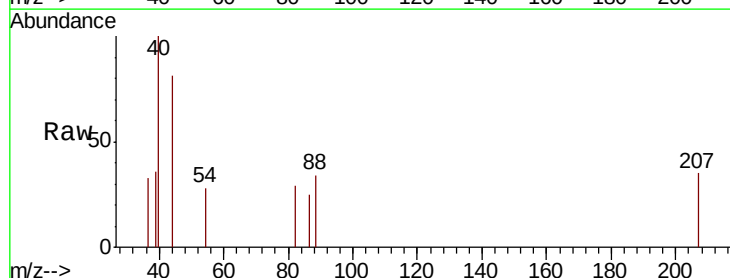
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

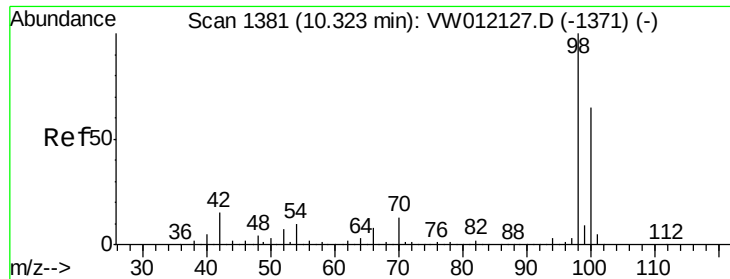
Tgt Ion:	41	Resp:	3274
Ion	Ratio	Lower	Upper
41	100		
39	50.9	45.8	68.8
67	0.7	46.2	69.4#
52	0.6	21.0	31.6#



#49
1,4-Dioxane
Concen: 2.452 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Tgt Ion:	88	Resp:	52
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	123.1	71.0	106.4#

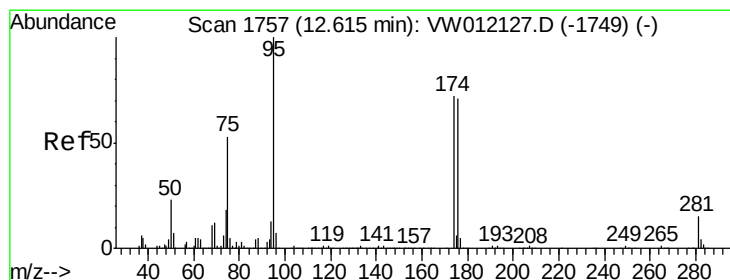
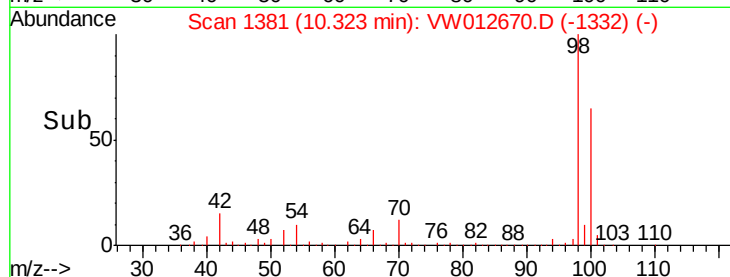
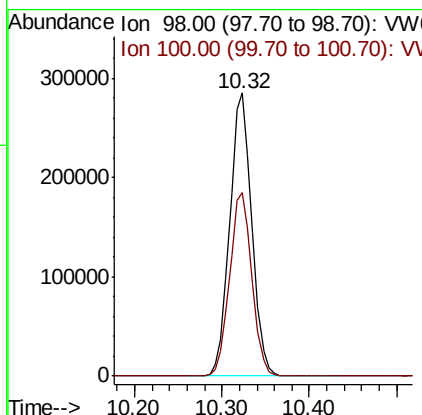
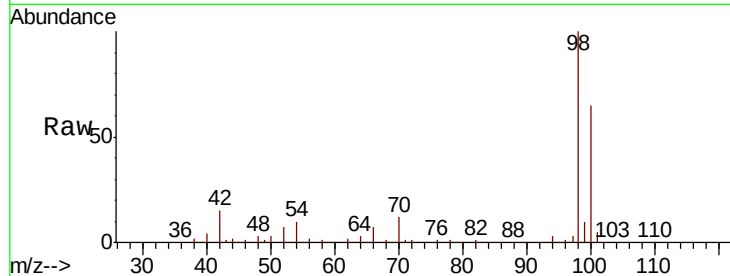




#50
Toluene-d8
Concen: 50.287 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

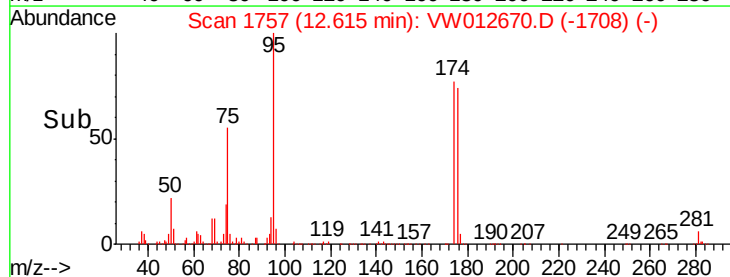
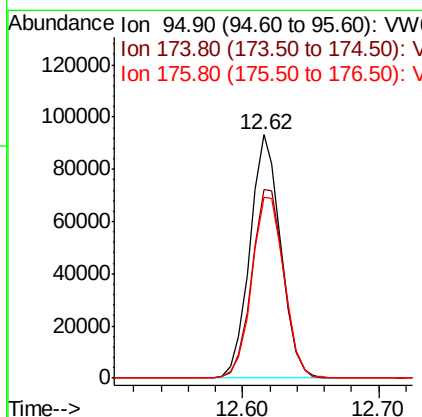
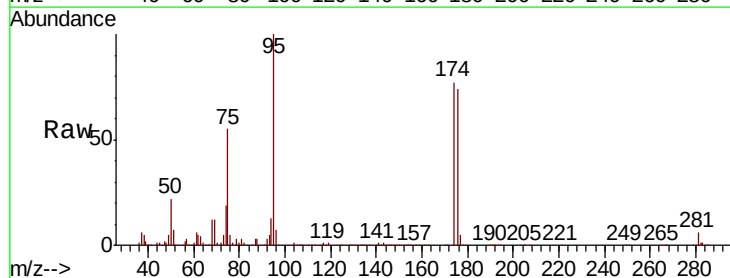
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

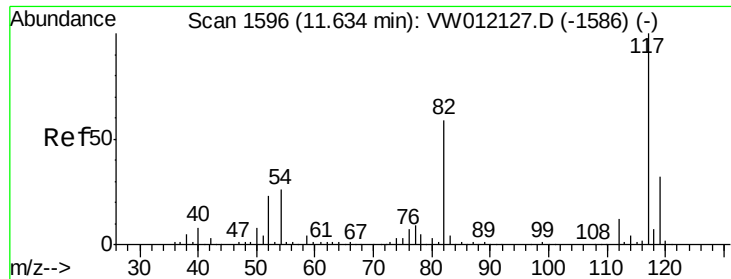
Tgt Ion: 98 Resp: 498973
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.343 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Tgt Ion: 95 Resp: 148104
Ion Ratio Lower Upper
95 100
174 80.5 0.0 150.8
176 78.4 0.0 148.6

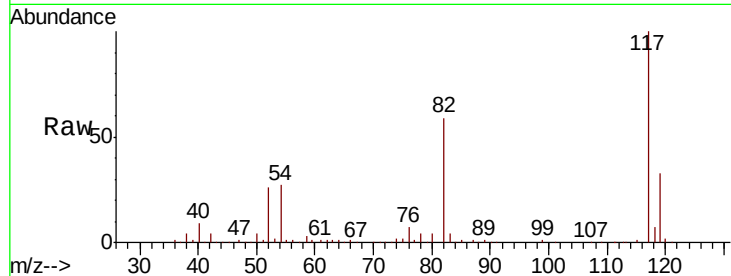




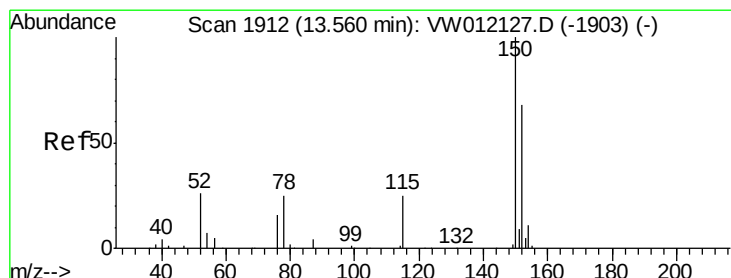
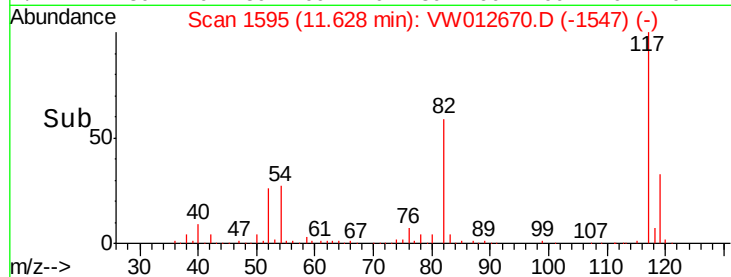
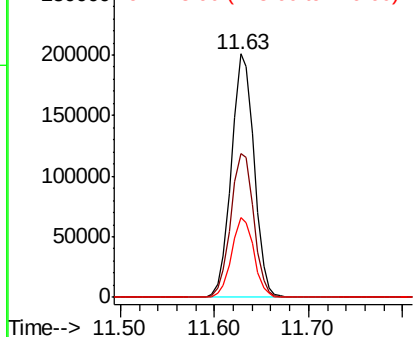
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

Tgt Ion:117 Resp: 335600
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.7 25.4 38.2

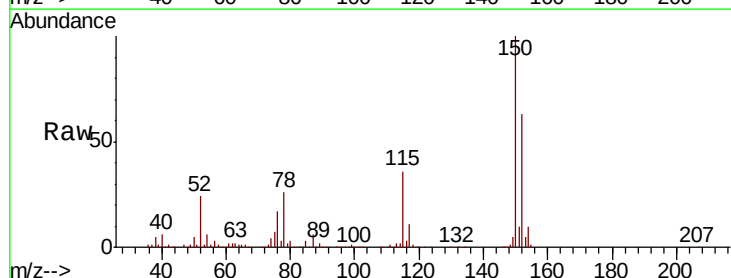


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

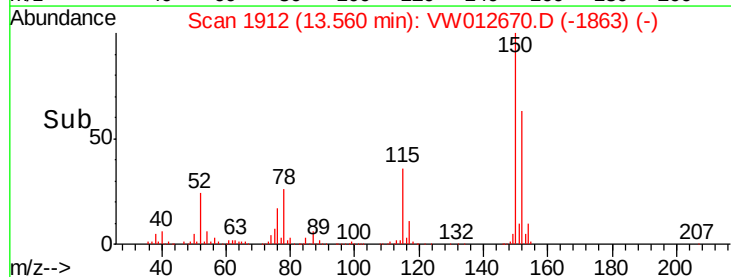
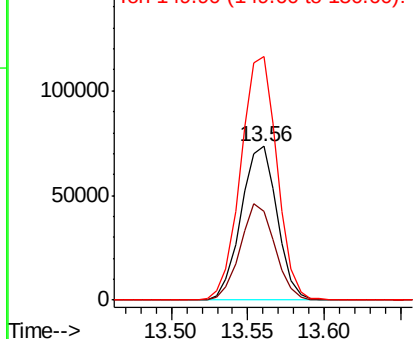


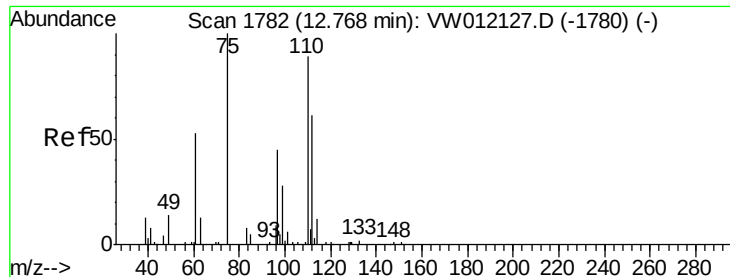
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Tgt Ion:152 Resp: 120085
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 159.3 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: 68.934 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012670.D

Acq: 06 Sep 2019 04:47

Instrument :

MSVOA_W

ClientSampleId :

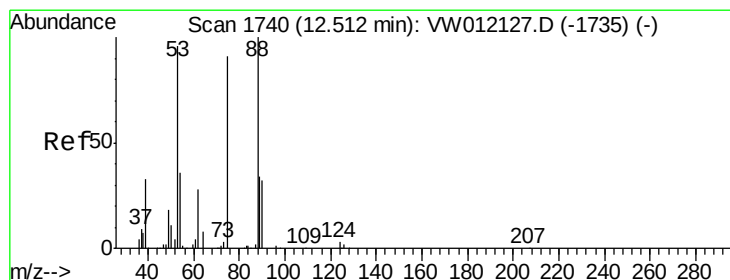
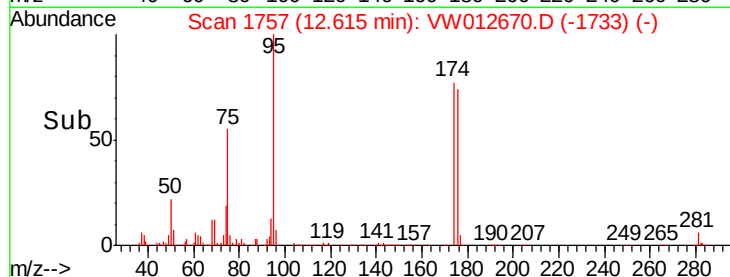
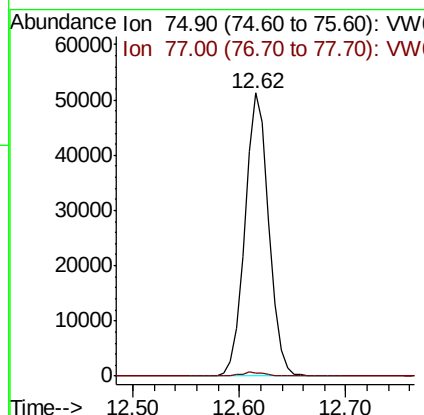
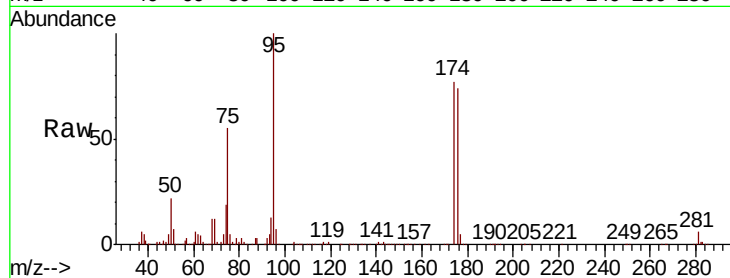
PAR-12-B3-(3.5)

Tgt Ion: 75 Resp: 80621

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.140 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012670.D

Acq: 06 Sep 2019 04:47

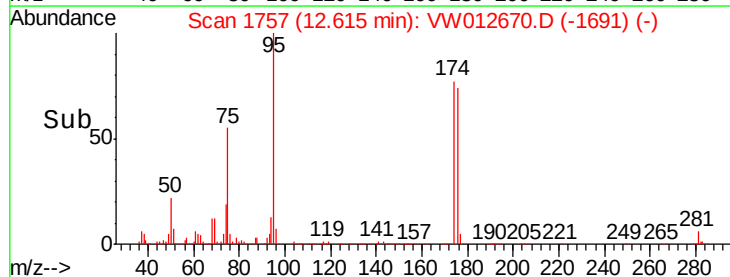
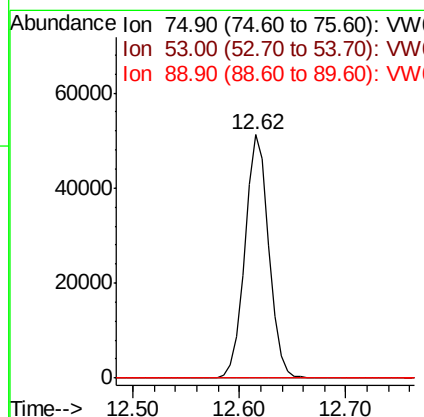
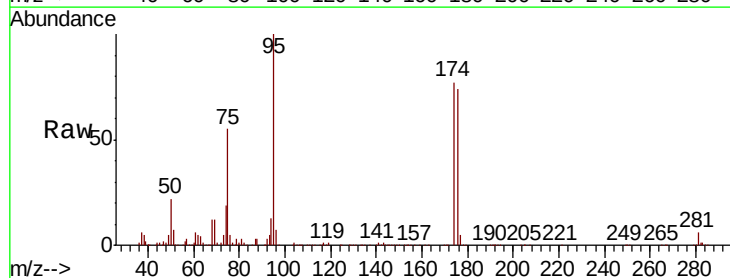
Tgt Ion: 75 Resp: 80621

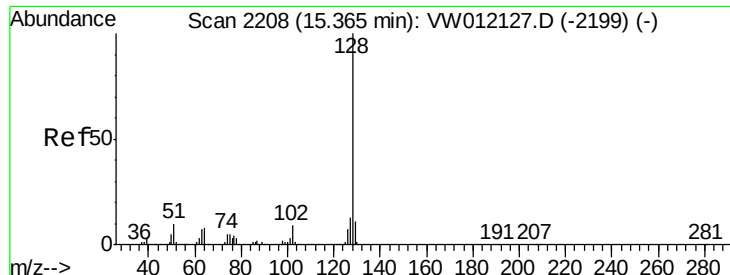
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.383 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012670.D
Acq: 06 Sep 2019 04:47

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(3.5)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

