

Data File : VW012778.D
Acq On : 08 Sep 2019 19:02
Operator : SY/VA
Sample : K4603-16
Misc : 5.37G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(3.11)

Quant Time: Sep 09 06:00:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	247949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	119842	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	7.88	113	91129	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.32	98	359546	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	108280	42.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.02%	

Target Compounds

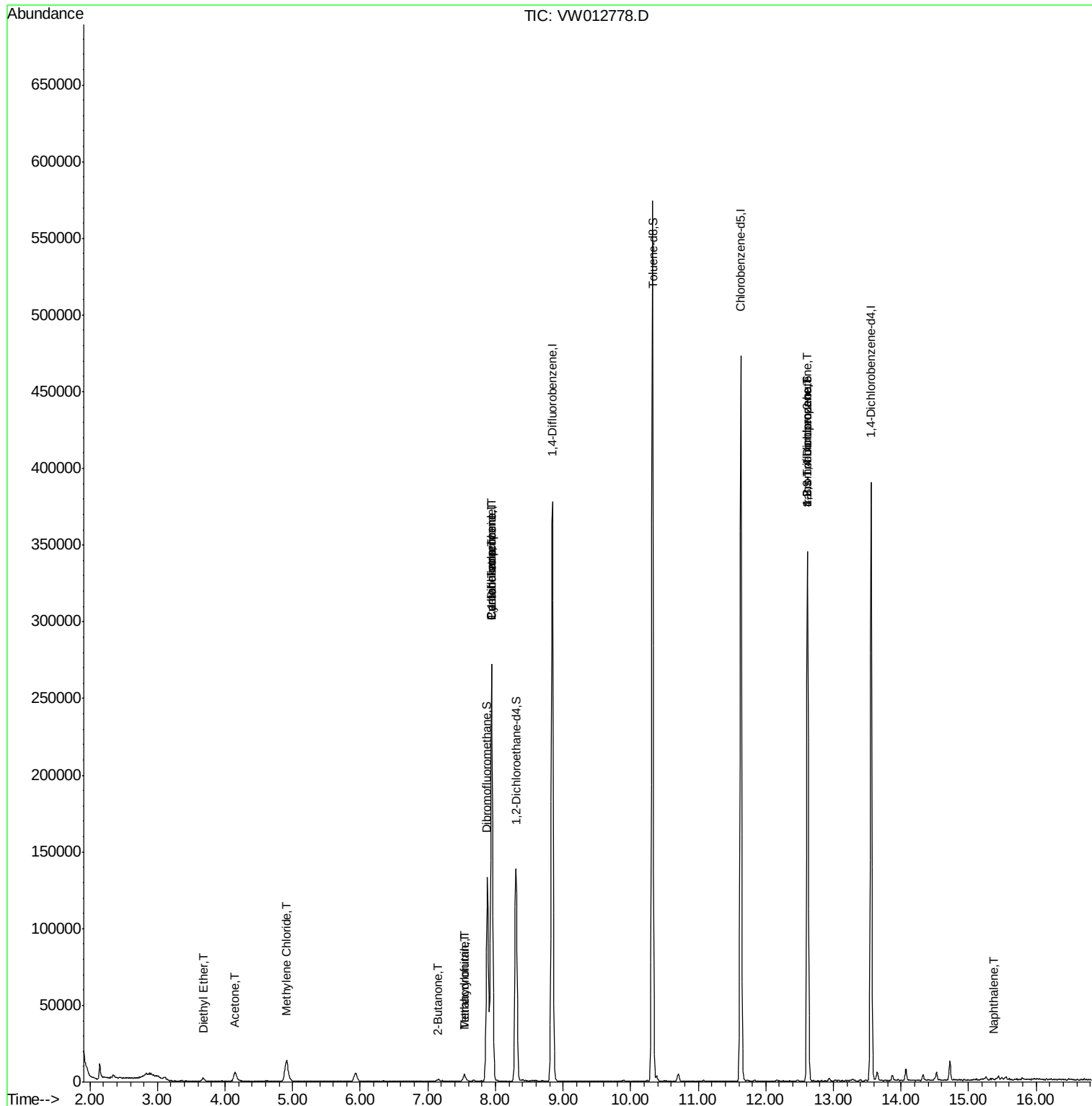
						Qvalue
8) Diethyl Ether	3.68	74	1117	1.181	ug/l	86
16) Acetone	4.15	43	12752	20.735	ug/l	99
20) Methylene Chloride	4.91	84	10256	5.330	ug/l	95
25) 2-Butanone	7.16	43	125	19.807	ug/l #	53
29) Tetrahydrofuran	7.54	42	3960	7.974	ug/l	96
31) Cyclohexane	7.94	56	4744	1.431	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	15729	5.807	ug/l #	51
38) Carbon Tetrachloride	7.94	117	19850	7.434	ug/l #	16
41) Methacrylonitrile	7.54	41	2603	5.886	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	59483	57.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59483	121.744	ug/l #	6
95) Naphthalene	15.36	128	289	4.501	ug/l #	69

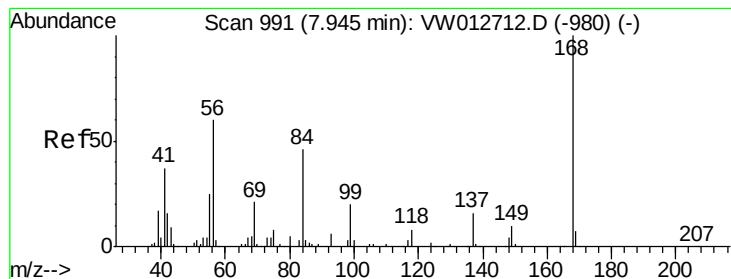
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012778.D

Acq: 08 Sep 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

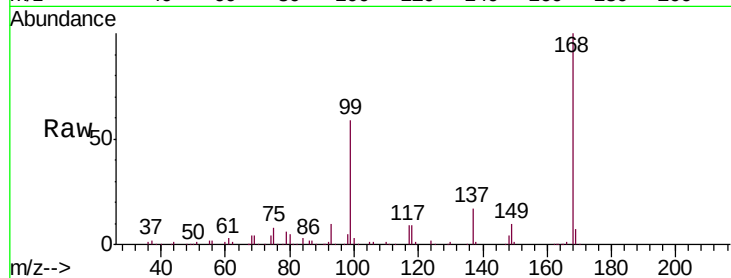
PAR-12-F1-(3.11)

Tgt Ion:168 Resp: 201899

Ion Ratio Lower Upper

168 100

99 58.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

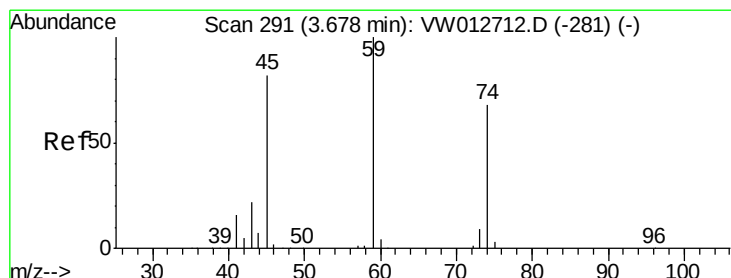
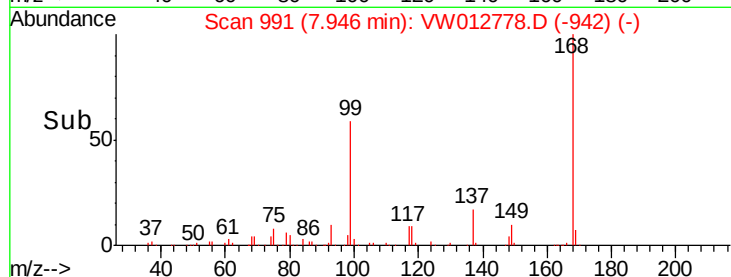
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.181 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012778.D

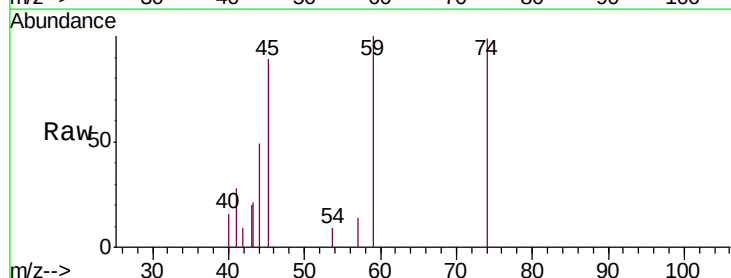
Acq: 08 Sep 2019 19:02

Tgt Ion: 74 Resp: 1117

Ion Ratio Lower Upper

74 100

45 132.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

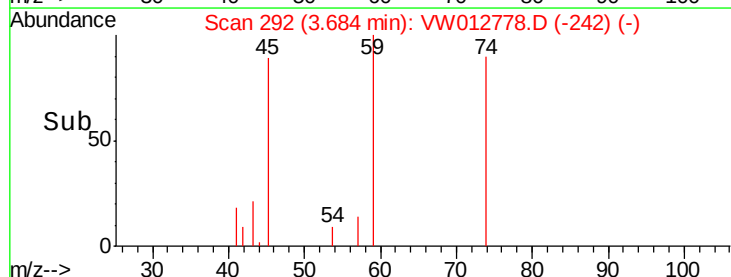
600

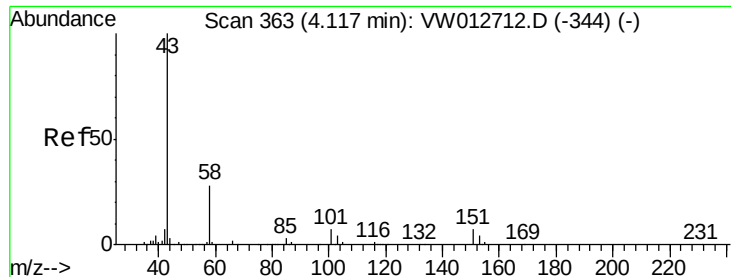
400

200

0

Time-->





#16

Acetone

Concen: 20.735 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012778.D

Acq: 08 Sep 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

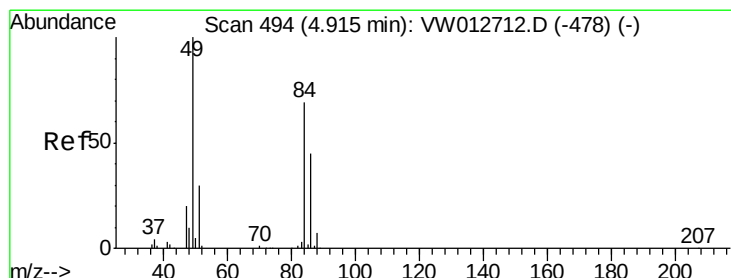
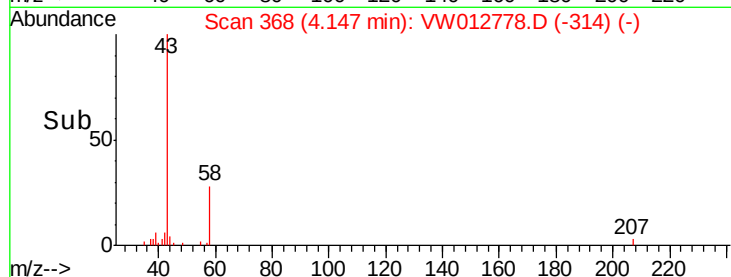
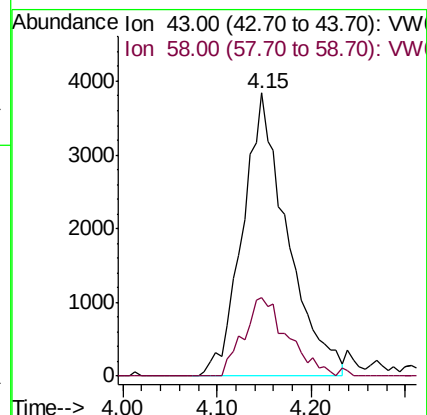
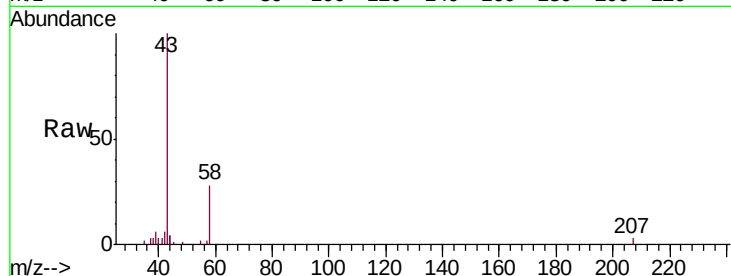
PAR-12-F1-(3.11)

Tgt Ion: 43 Resp: 12752

Ion Ratio Lower Upper

43 100

58 27.6 22.6 33.8



#20

Methylene Chloride

Concen: 5.330 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012778.D

Acq: 08 Sep 2019 19:02

Tgt Ion: 84 Resp: 10256

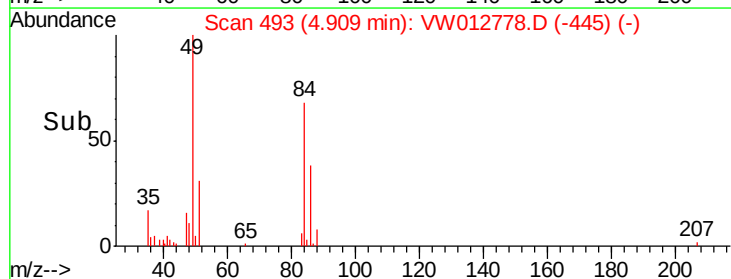
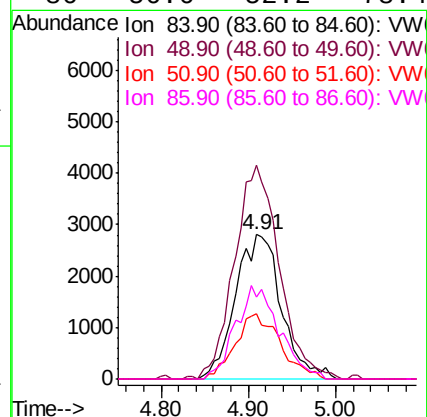
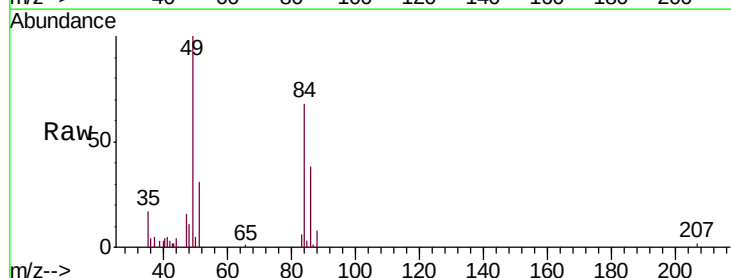
Ion Ratio Lower Upper

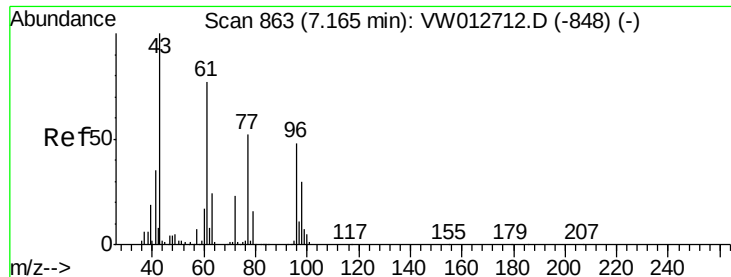
84 100

49 147.7 115.4 173.0

51 45.3 34.9 52.3

86 56.6 52.2 78.4

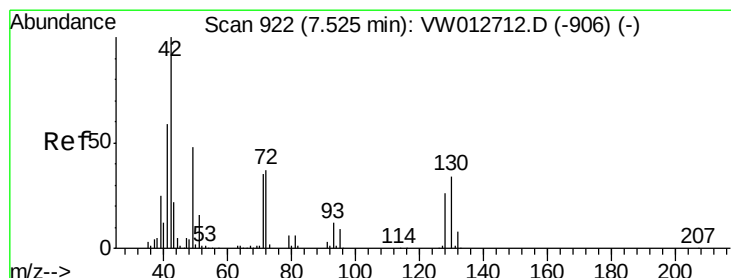
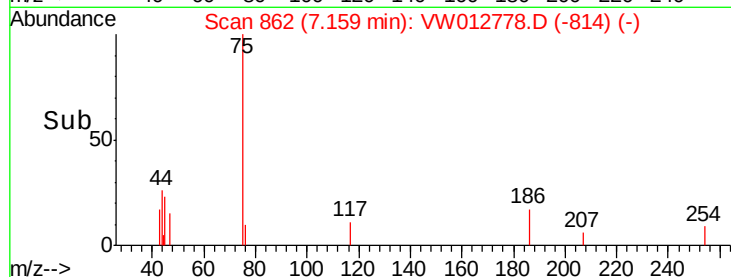
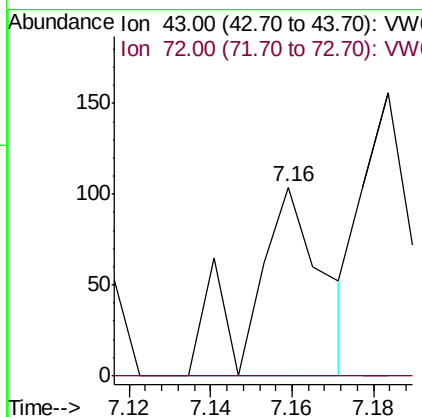
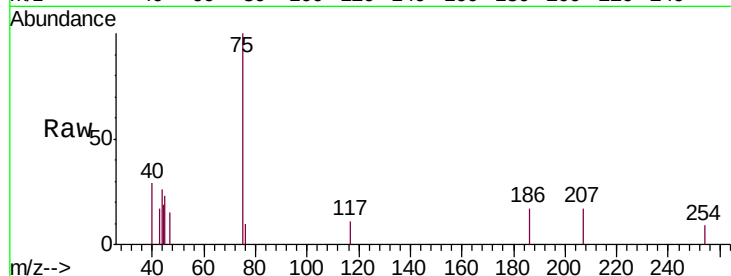




#25
2-Butanone
Concen: 19.807 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

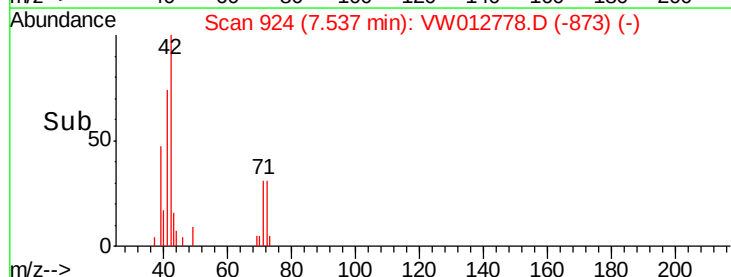
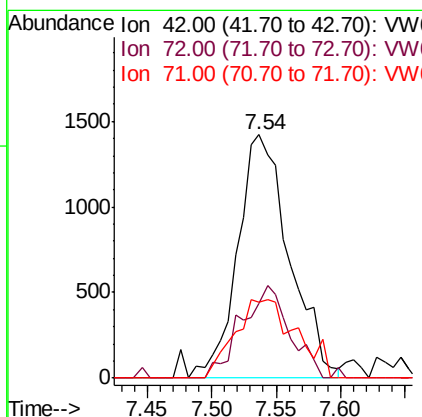
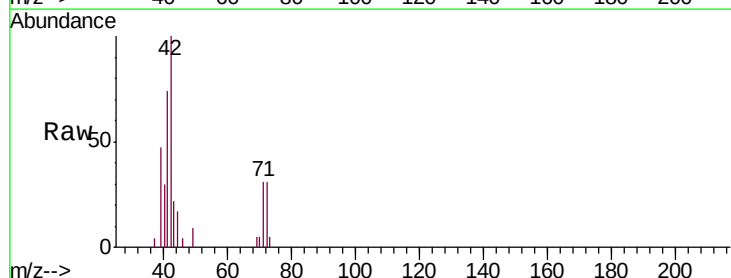
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(3.11)

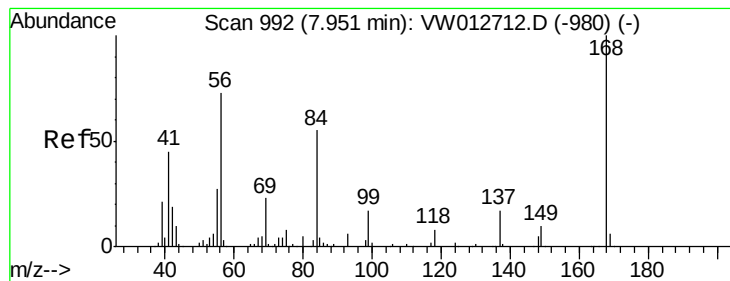
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#29
Tetrahydrofuran
Concen: 7.974 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Tgt Ion: 42 Resp: 3960
Ion Ratio Lower Upper
42 100
72 35.6 28.4 42.6
71 38.2 27.1 40.7





#31

Cyclohexane

Concen: 1.431 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012778.D

Acq: 08 Sep 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F1-(3.11)

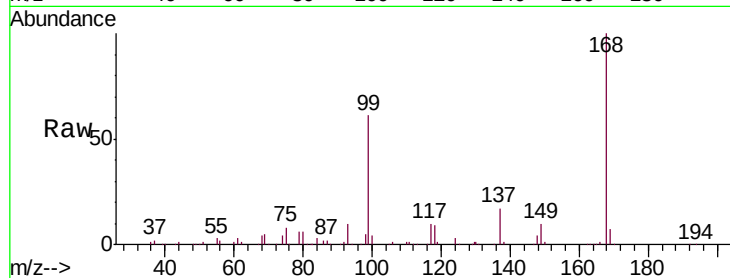
Tgt Ion: 56 Resp: 4744

Ion Ratio Lower Upper

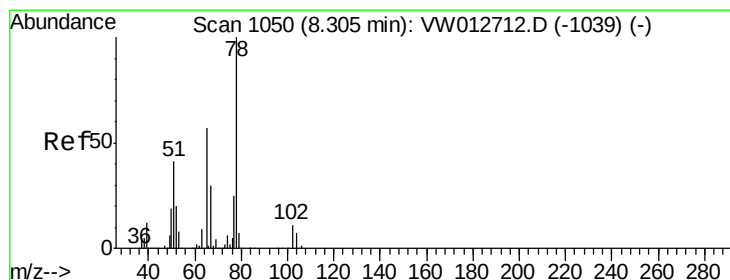
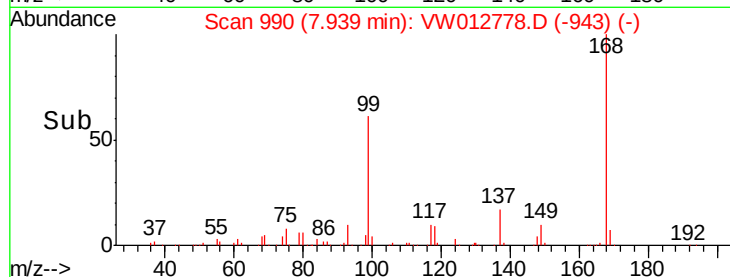
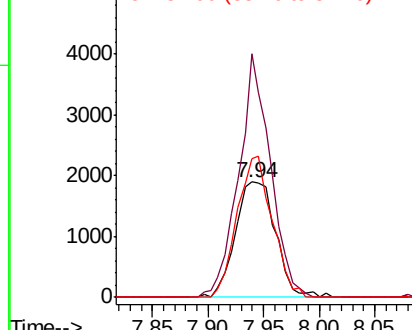
56 100

69 210.8 25.7 38.5#

84 120.5 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: 53.124 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012778.D

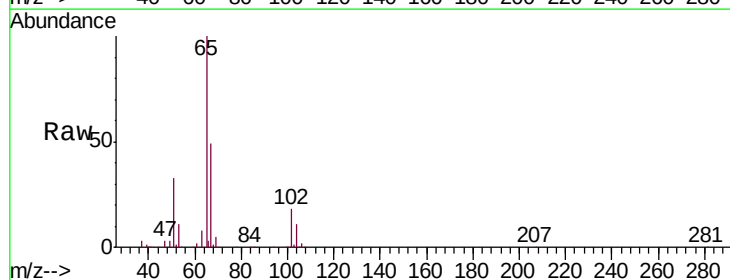
Acq: 08 Sep 2019 19:02

Tgt Ion: 65 Resp: 119842

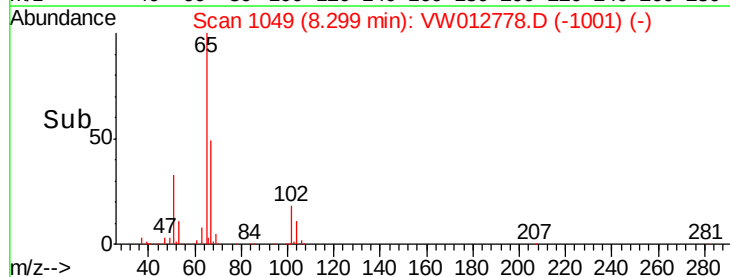
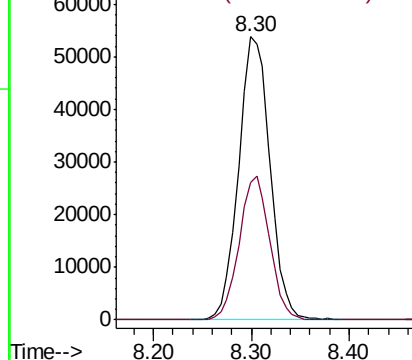
Ion Ratio Lower Upper

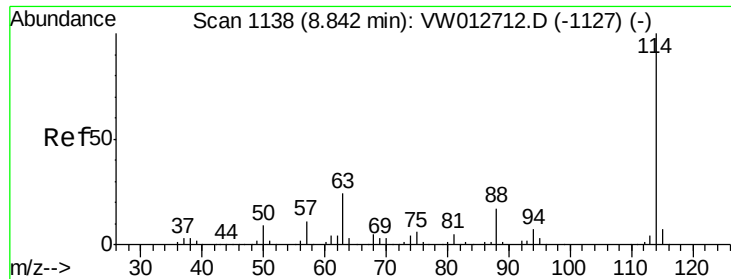
65 100

67 49.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

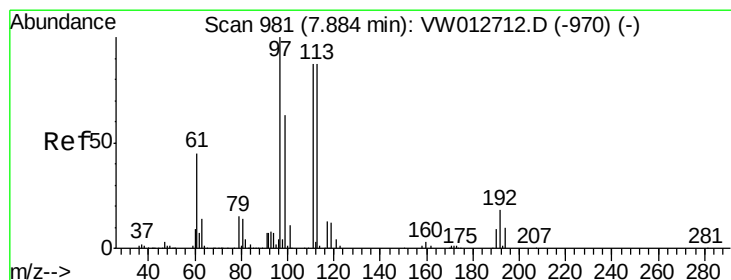
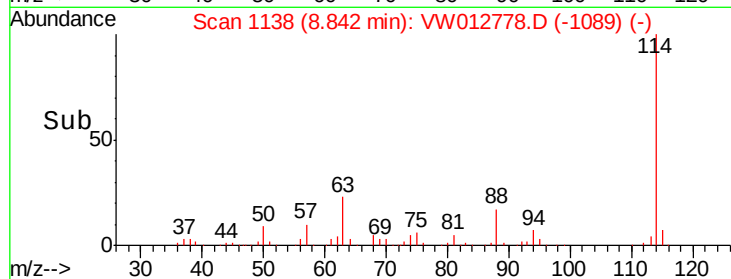
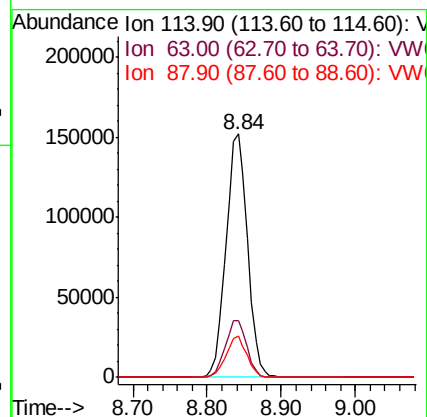
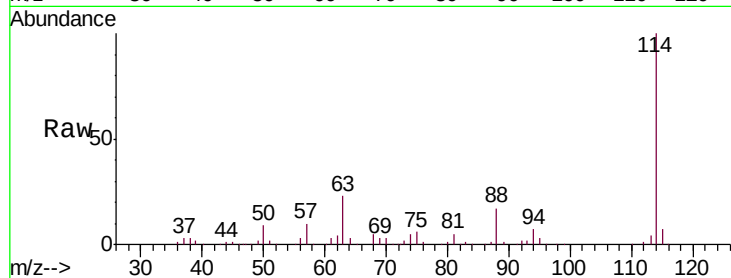




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

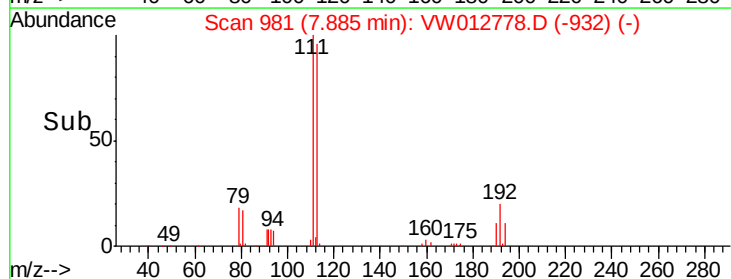
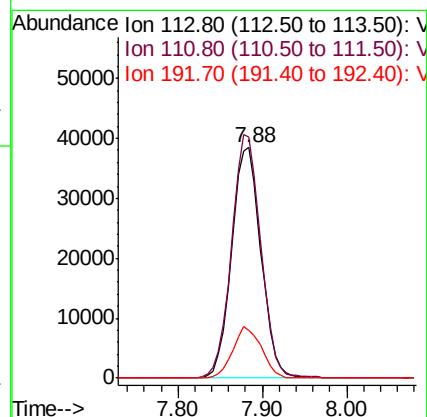
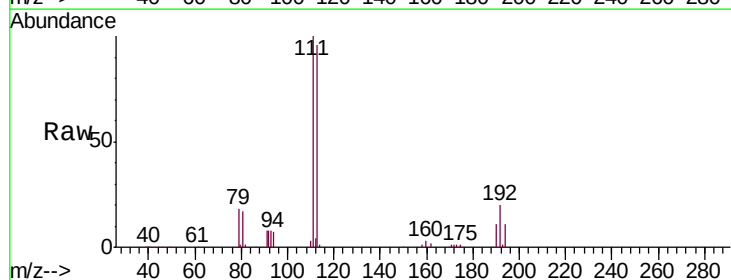
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F1-(3.11)

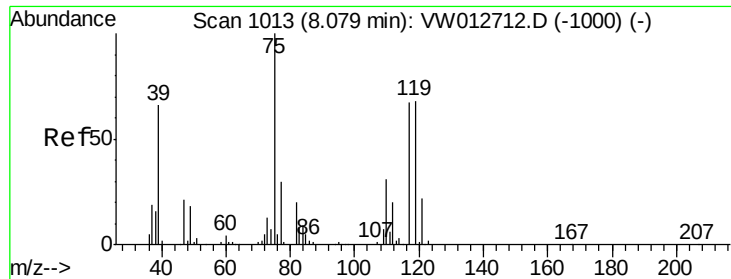
Tgt Ion:	114	Resp:	304852
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.2
88	16.8	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 50.280 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

Tgt Ion:	113	Resp:	91129
Ion	Ratio	Lower	Upper
113	100		
111	105.2	80.2	120.4
192	21.8	17.3	25.9

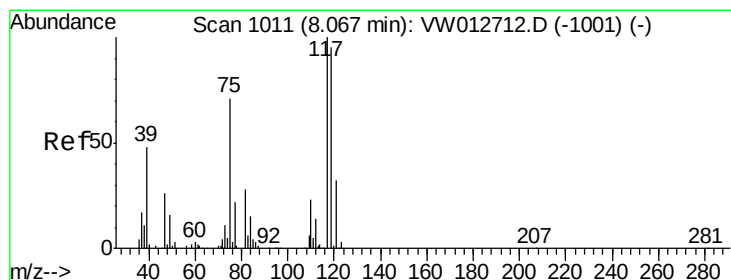
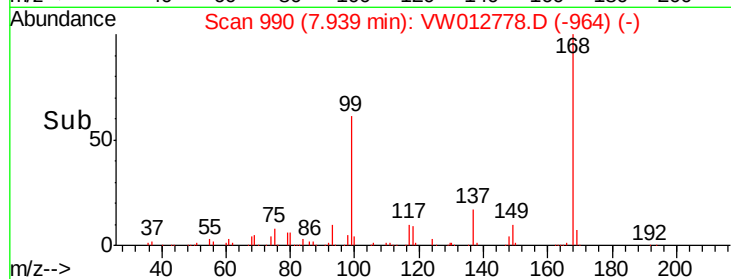
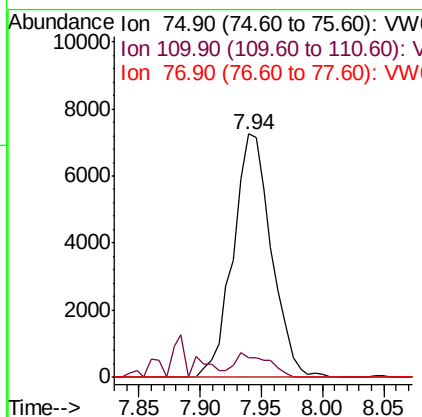
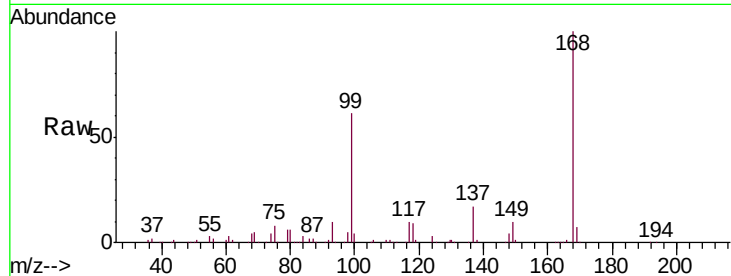




#36
 1,1-Dichloropropene
 Concen: 5.807 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

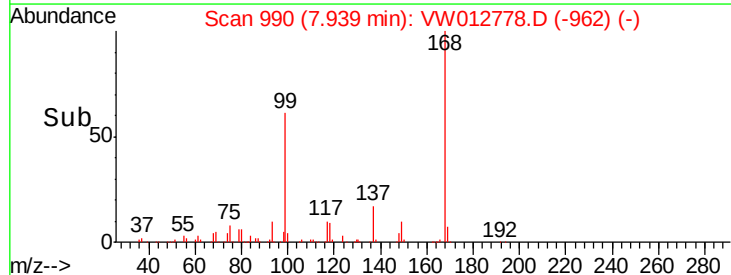
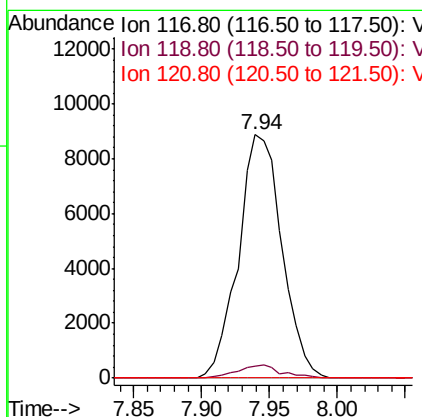
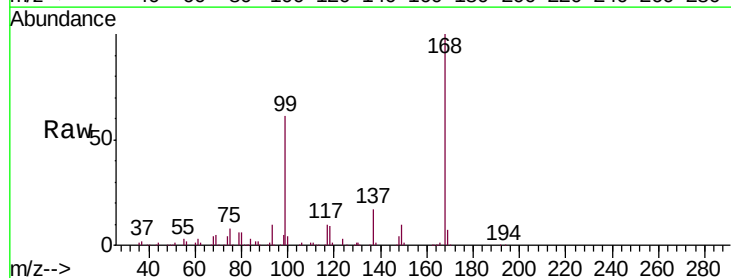
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 MSVOA_W
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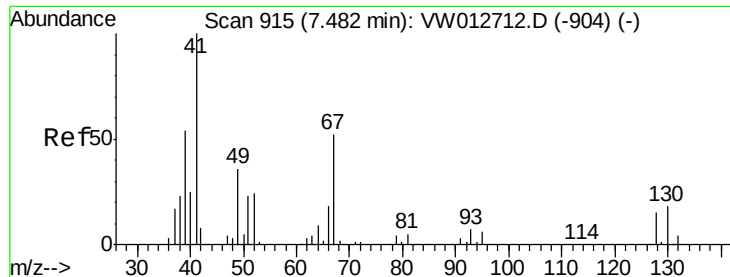
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.434 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	25.4	38.2#

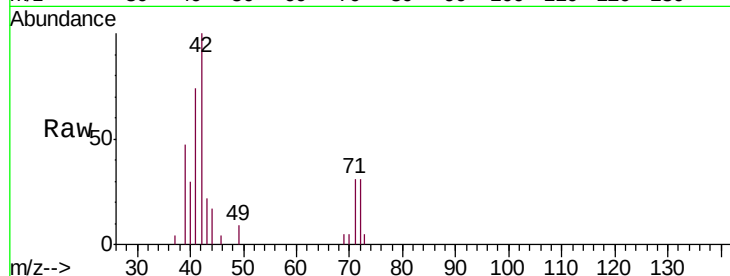




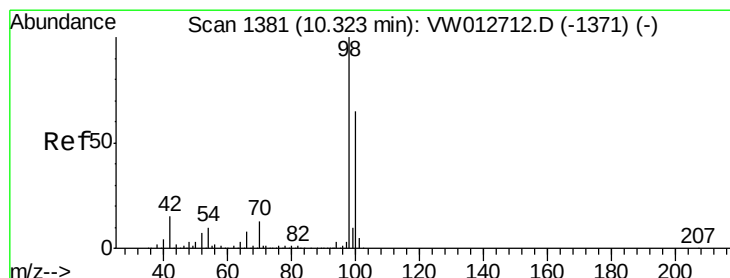
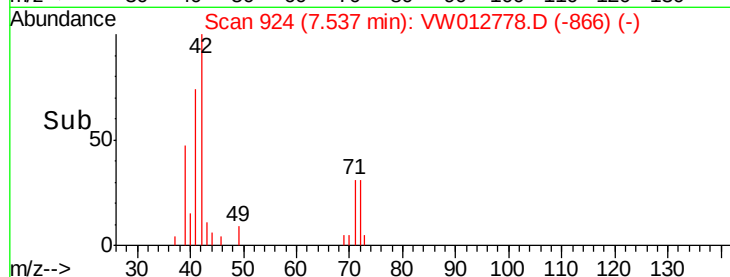
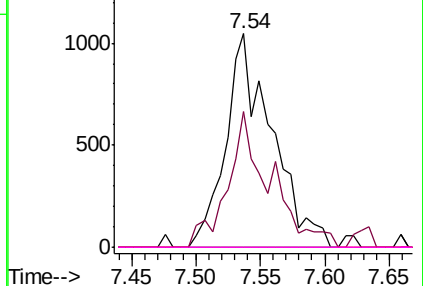
#41
Methacrylonitrile
Concen: 5.886 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(3.11)

Tgt Ion:	41	Resp:	2603
Ion	Ratio	Lower	Upper
41	100		
39	58.9	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

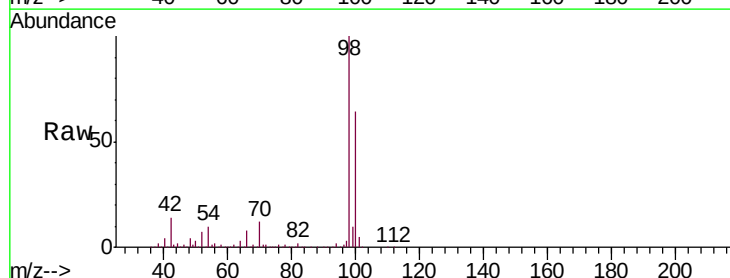


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

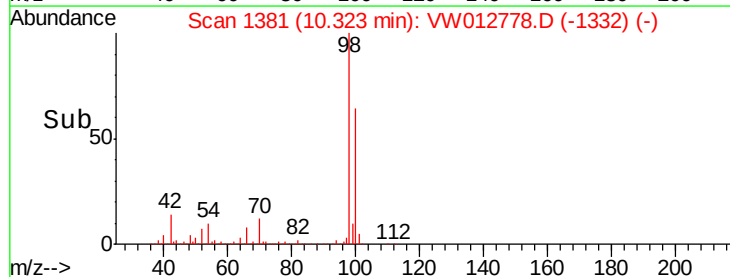
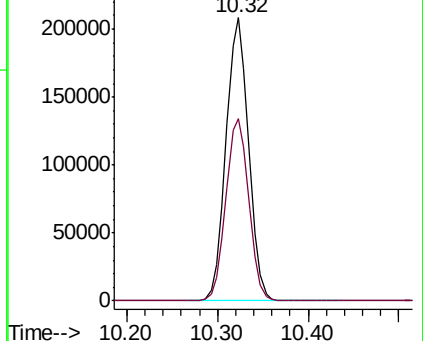


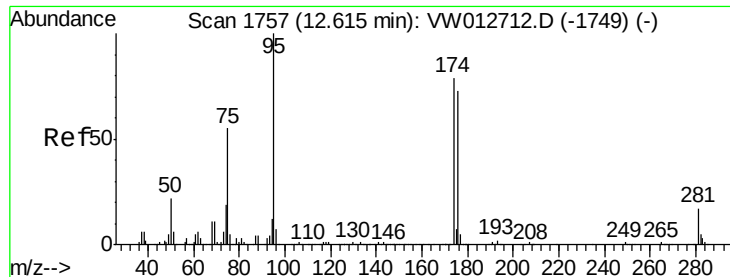
#50
Toluene-d8
Concen: 50.635 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Tgt Ion:	98	Resp:	359546
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

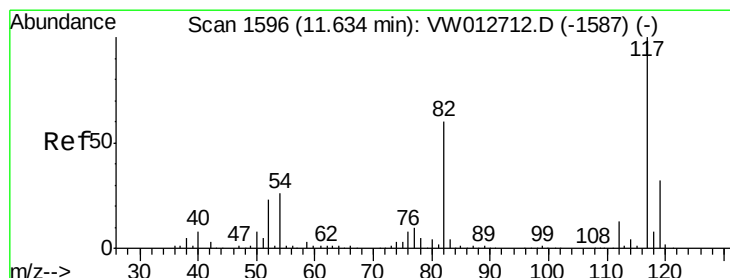
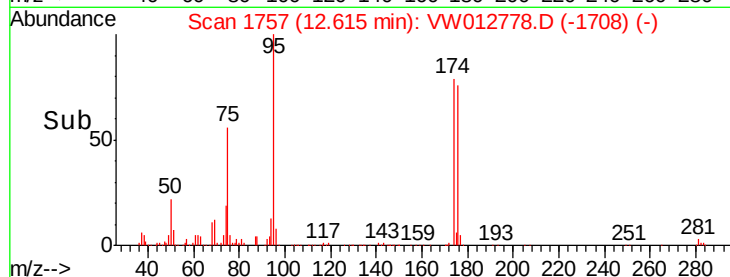
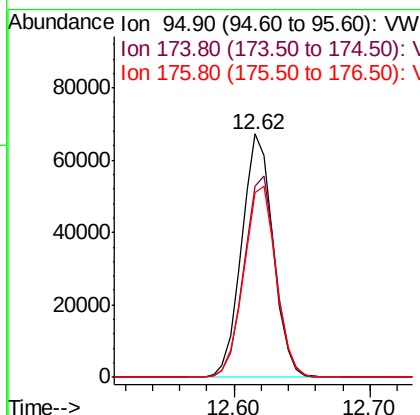
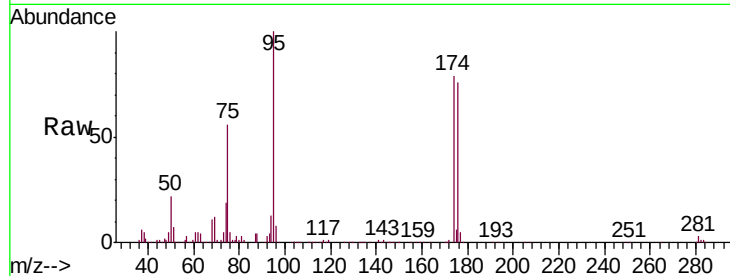




#62
4-Bromofluorobenzene
Concen: 42.005 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

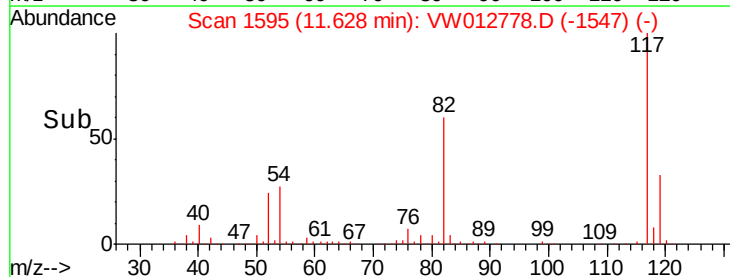
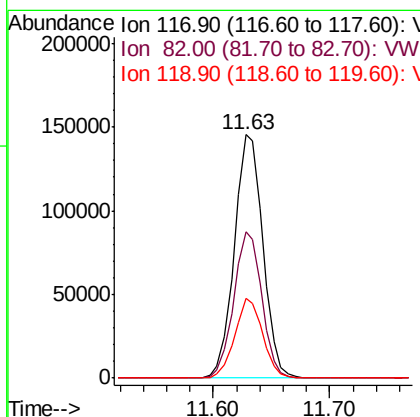
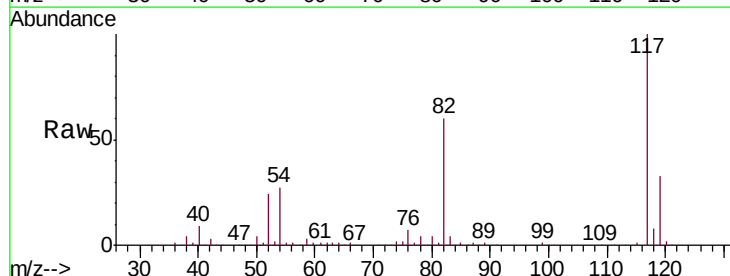
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(3.11)

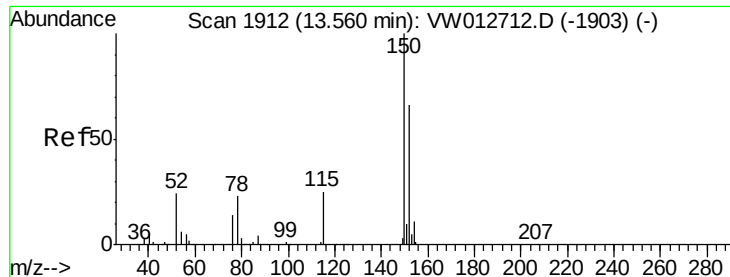
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	161.0
176	81.1	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.2	72.4
119	32.8	25.8	38.6

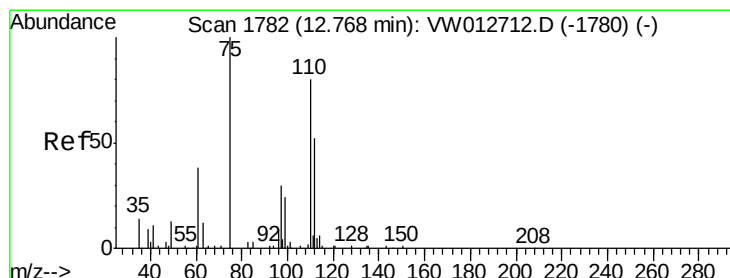
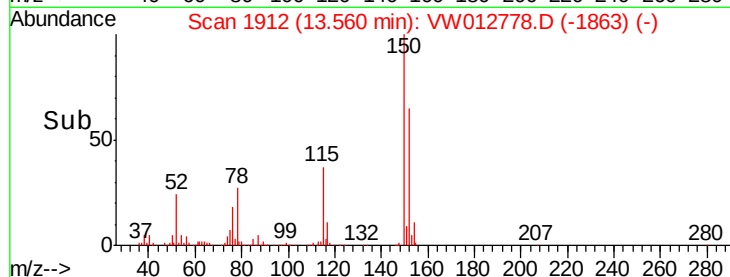
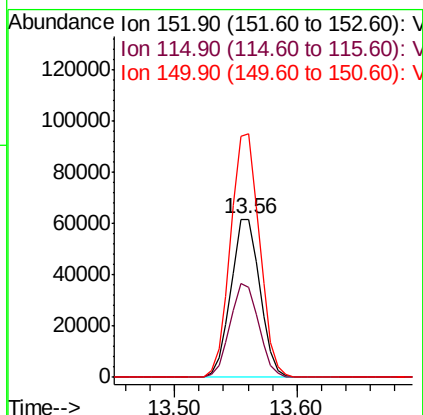
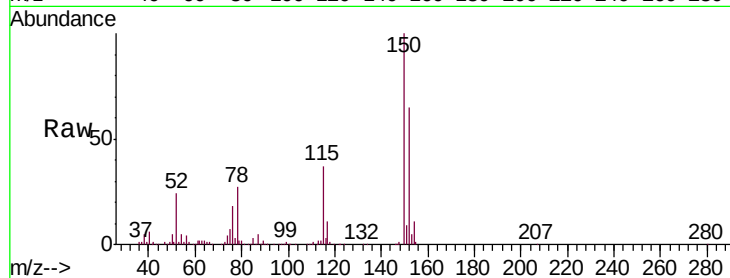




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

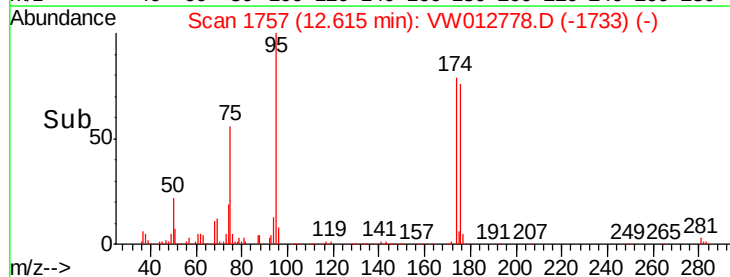
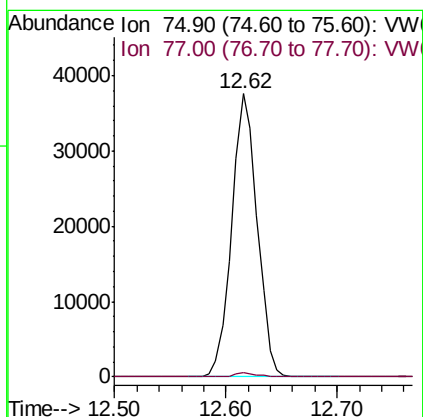
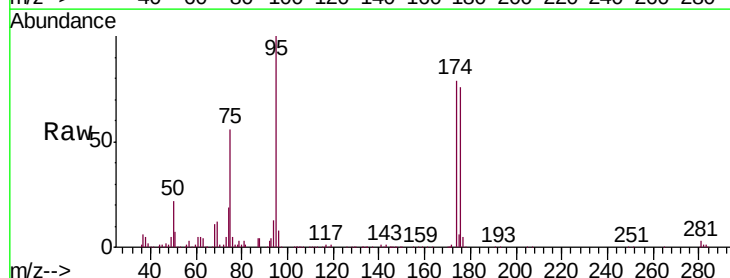
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F1-(3.11)

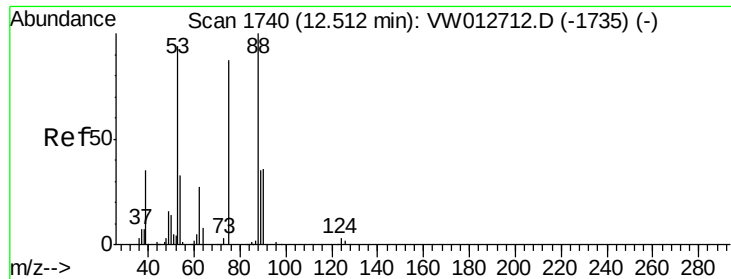
Tgt Ion: 152 Resp: 101062
 Ion Ratio Lower Upper
 152 100
 115 58.2 30.0 90.1
 150 153.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 57.560 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012778.D
 Acq: 08 Sep 2019 19:02

Tgt Ion: 75 Resp: 59483
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

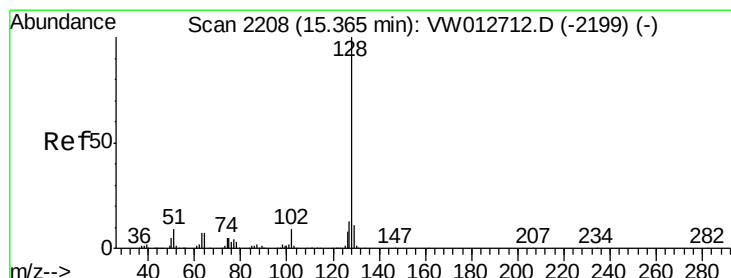
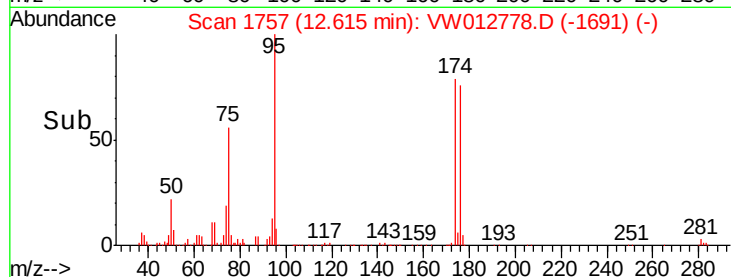
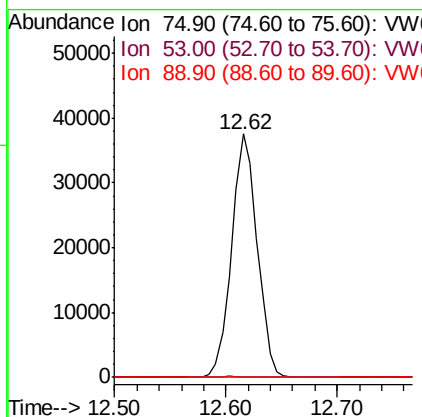
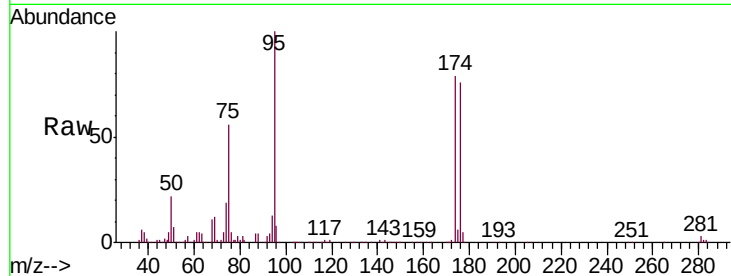




#81
trans-1,4-Dichloro-2-butene
Concen: 121.744 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(3.11)

Tgt Ion: 75 Resp: 59483
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.501 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012778.D
Acq: 08 Sep 2019 19:02

Tgt Ion: 128 Resp: 289
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

