

Data File : VW012774.D
Acq On : 08 Sep 2019 17:19
Operator : SY/VA
Sample : K4603-12
Misc : 5.54G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(0)

Quant Time: Sep 09 05:59:39 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	204187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	92619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119309	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.88	113	91250	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.32	98	360886	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	105586	40.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.46%	

Target Compounds

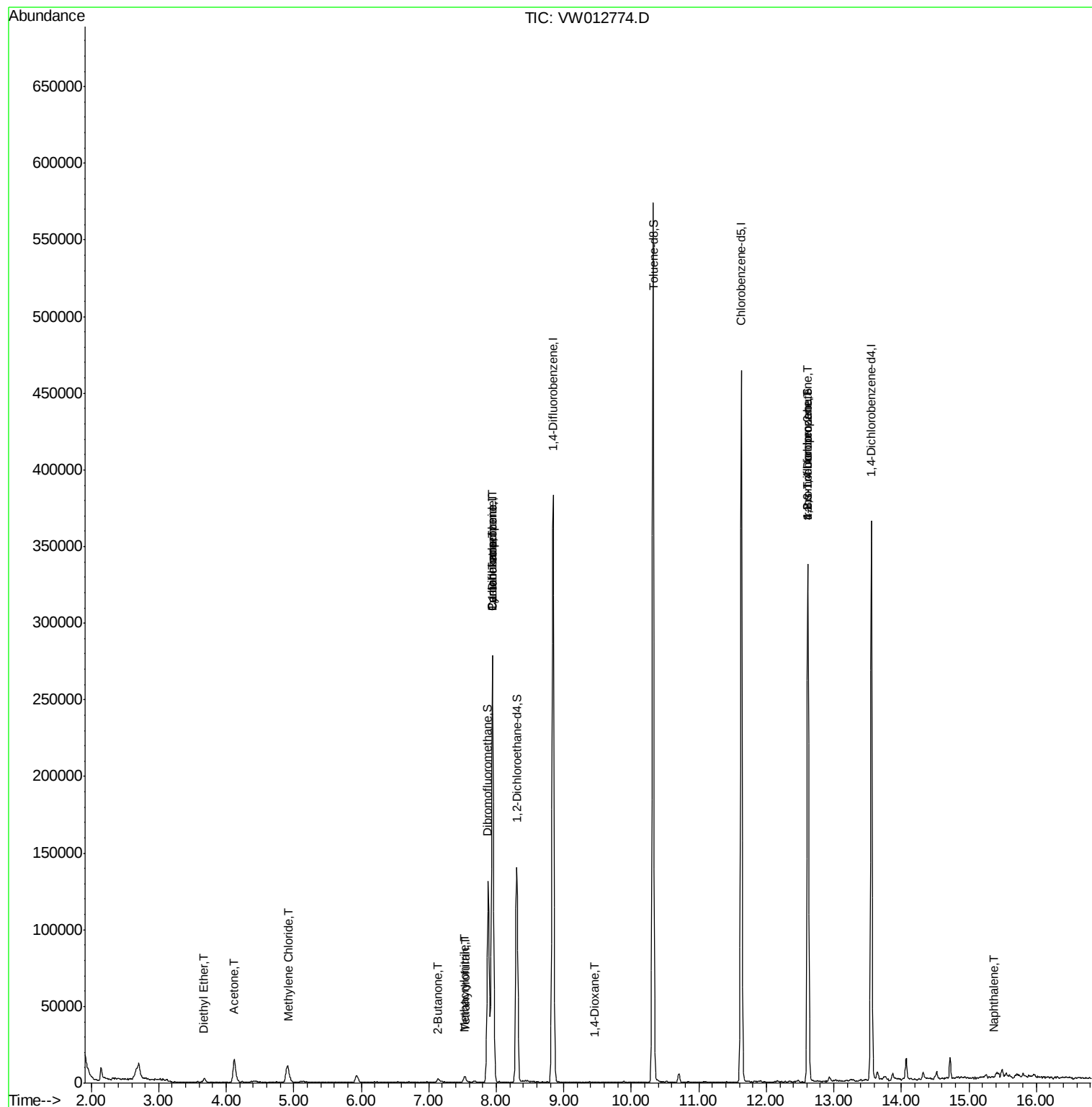
						Qvalue
8) Diethyl Ether	3.67	74	1375	1.437	ug/l	97
16) Acetone	4.12	43	27638	44.436	ug/l	100
20) Methylene Chloride	4.92	84	8171	4.199	ug/l #	87
25) 2-Butanone	7.14	43	125	19.806	ug/l #	53
29) Tetrahydrofuran	7.54	42	3315	6.600	ug/l	95
31) Cyclohexane	7.94	56	4730	1.410	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16079	5.903	ug/l #	51
38) Carbon Tetrachloride	7.94	117	20296	7.559	ug/l #	17
41) Methacrylonitrile	7.52	41	1334	4.882	ug/l #	45
49) 1,4-Dioxane	9.46	88	21	1.071	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57199	60.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57199	127.741	ug/l #	6
95) Naphthalene	15.37	128	388	4.530	ug/l #	77

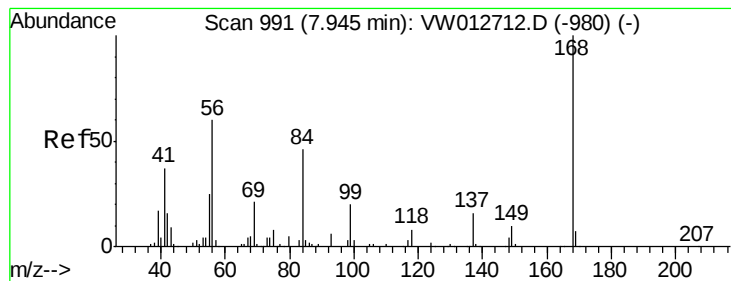
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

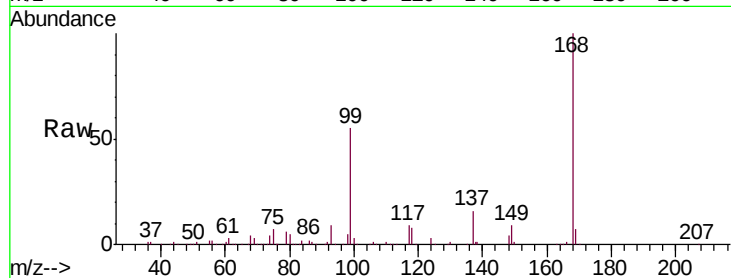
PAR-12-F1-(0)

Tgt Ion:168 Resp: 204187

Ion Ratio Lower Upper

168 100

99 55.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

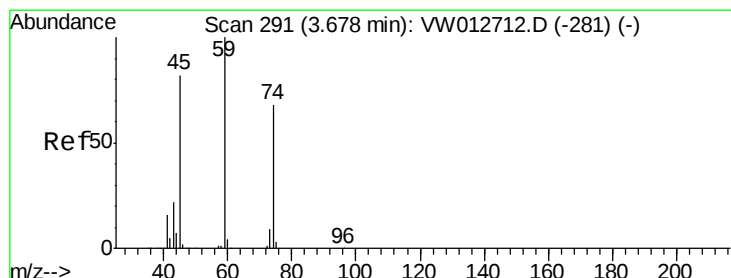
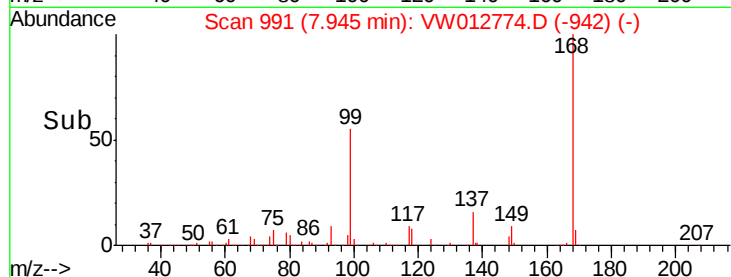
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.437 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012774.D

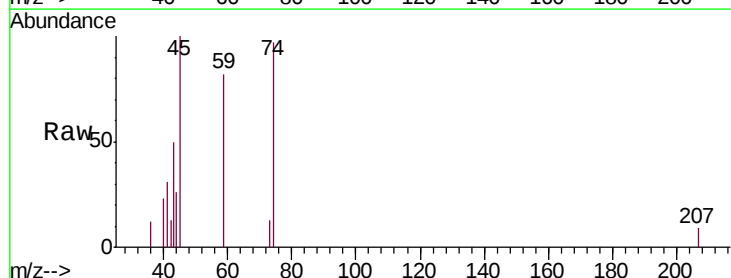
Acq: 08 Sep 2019 17:19

Tgt Ion: 74 Resp: 1375

Ion Ratio Lower Upper

74 100

45 121.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

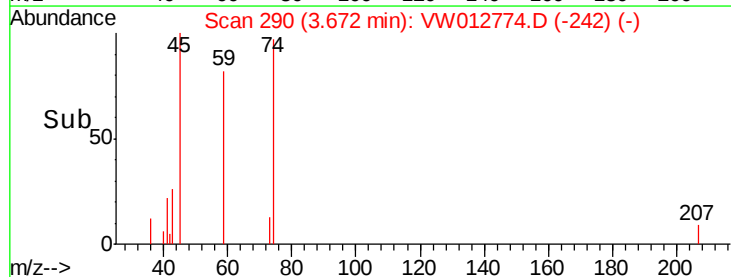
600

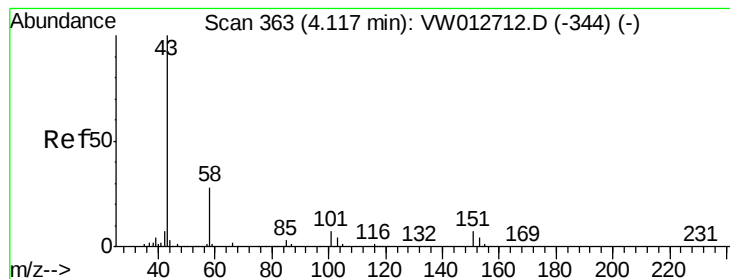
400

200

0

Time-->





#16

Acetone

Concen: 44.436 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

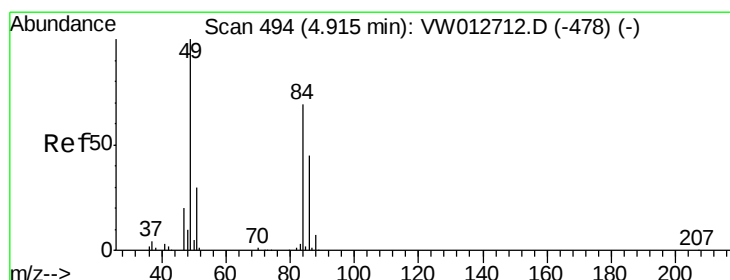
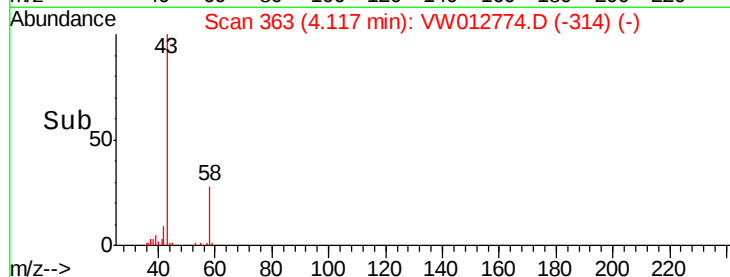
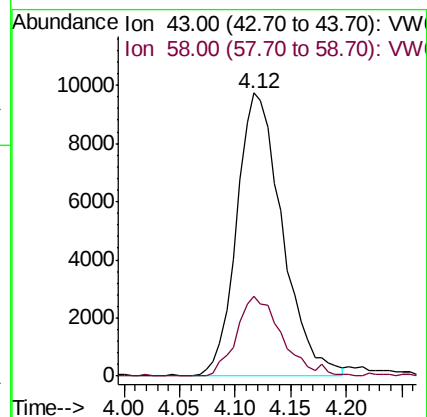
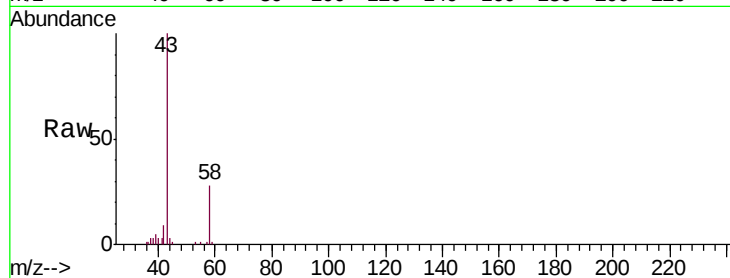
PAR-12-F1-(0)

Tgt Ion: 43 Resp: 27638

Ion Ratio Lower Upper

43 100

58 28.1 22.6 33.8



#20

Methylene Chloride

Concen: 4.199 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Tgt Ion: 84 Resp: 8171

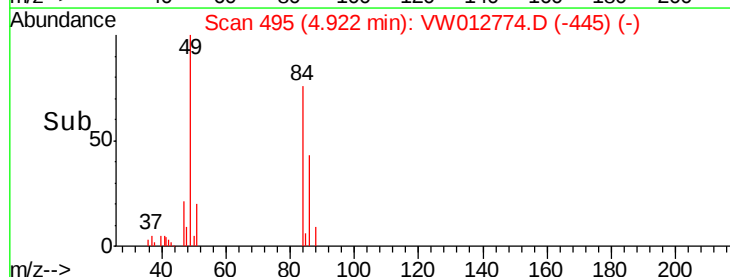
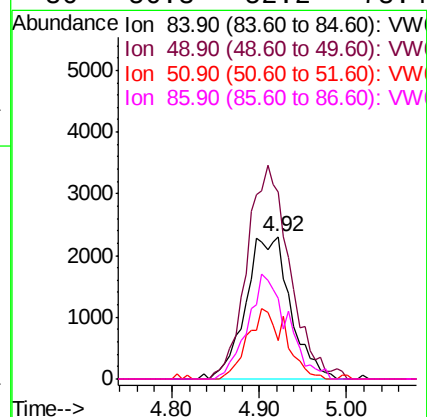
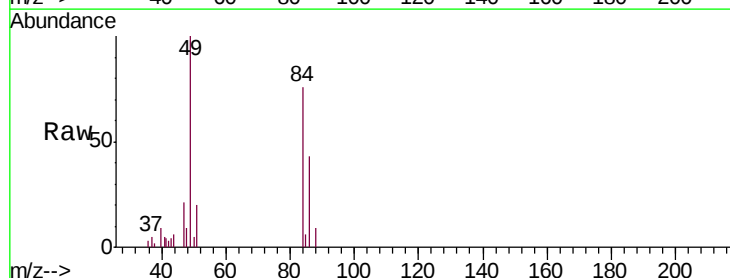
Ion Ratio Lower Upper

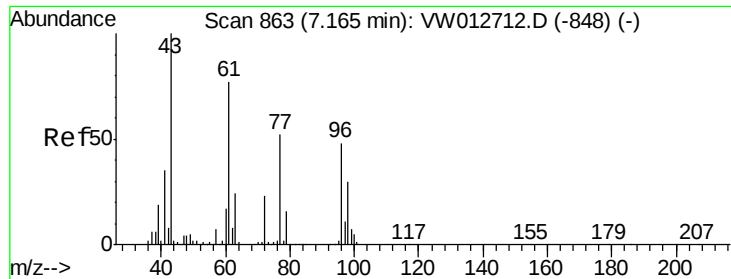
84 100

49 131.4 115.4 173.0

51 26.7 34.9 52.3#

86 56.3 52.2 78.4





#25

2-Butanone

Concen: 19.806 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

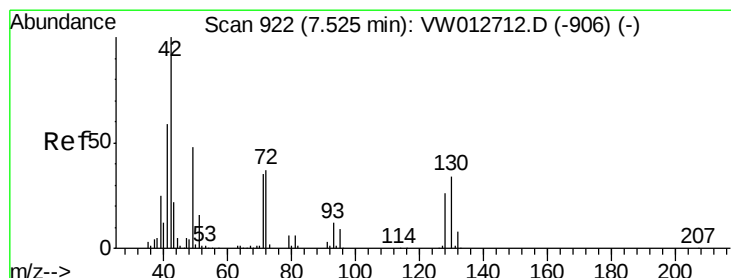
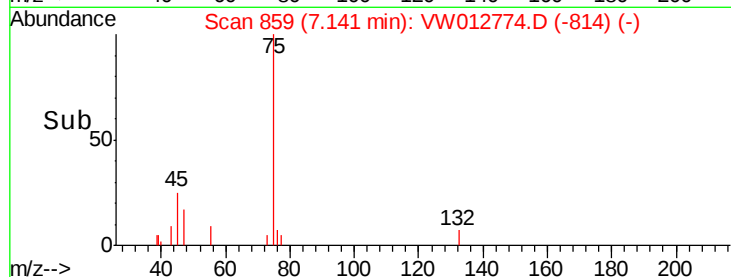
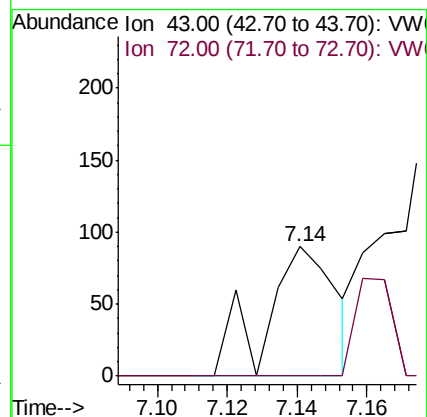
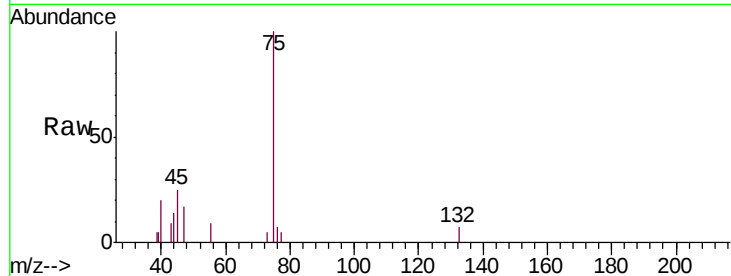
PAR-12-F1-(0)

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.600 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

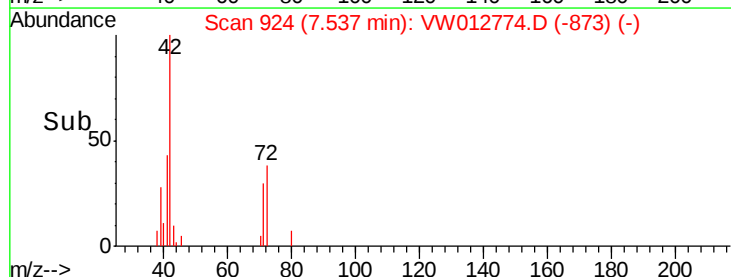
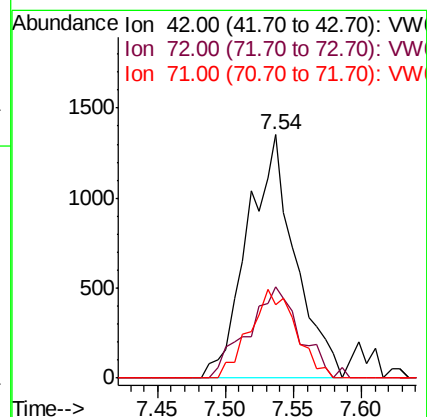
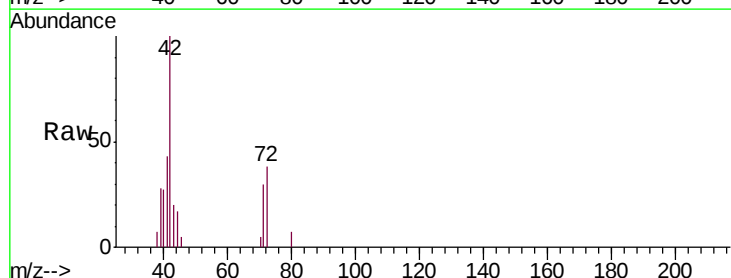
Tgt Ion: 42 Resp: 3315

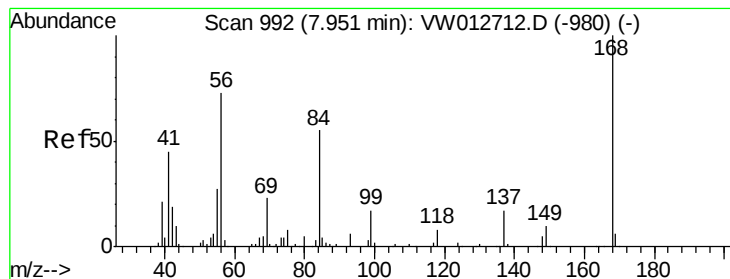
Ion Ratio Lower Upper

42 100

72 40.8 28.4 42.6

71 34.8 27.1 40.7





#31

Cyclohexane

Concen: 1.410 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F1-(0)

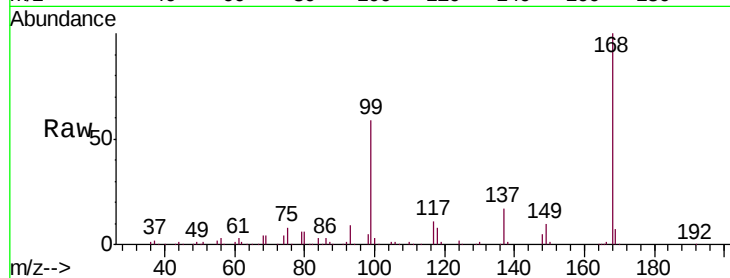
Tgt Ion: 56 Resp: 4730

Ion Ratio Lower Upper

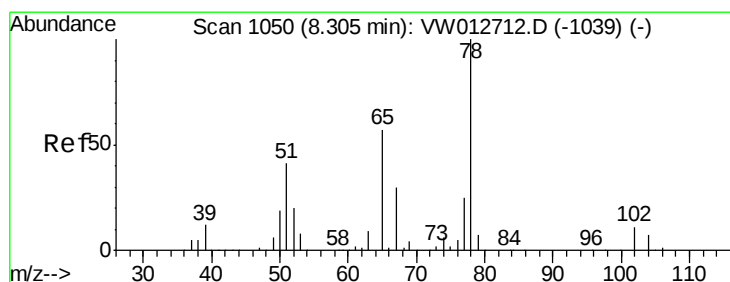
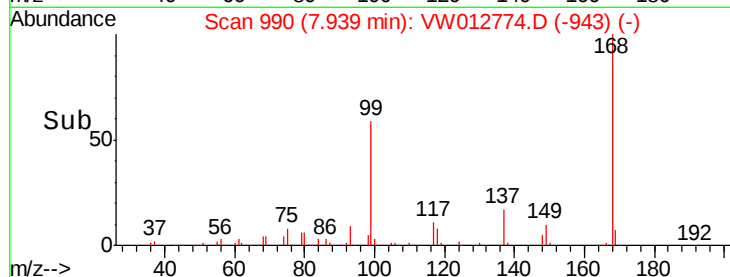
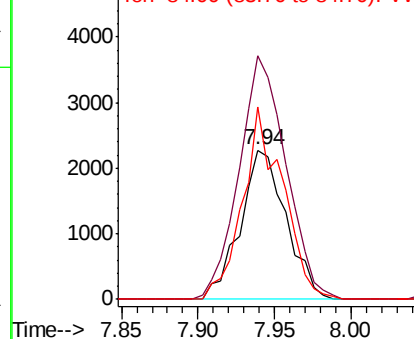
56 100

69 163.5 25.7 38.5#

84 129.2 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: 52.295 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012774.D

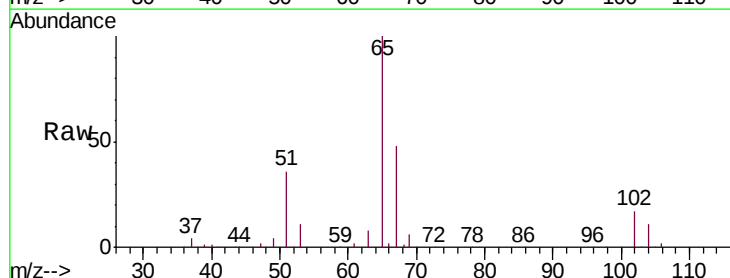
Acq: 08 Sep 2019 17:19

Tgt Ion: 65 Resp: 119309

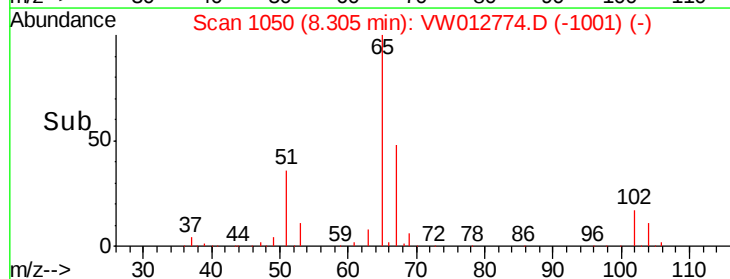
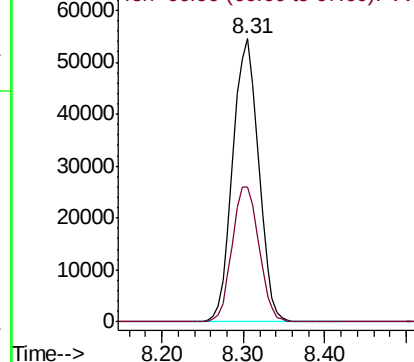
Ion Ratio Lower Upper

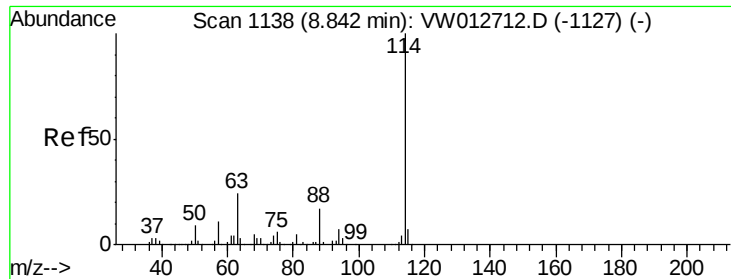
65 100

67 49.4 0.0 101.8



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

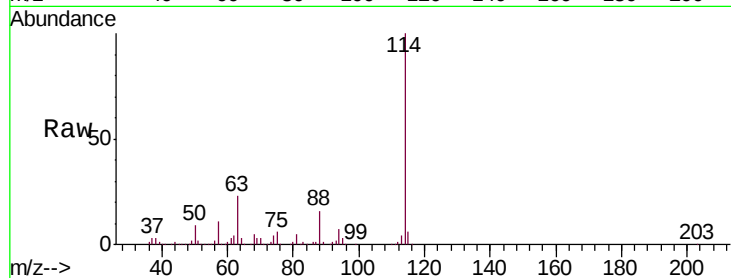




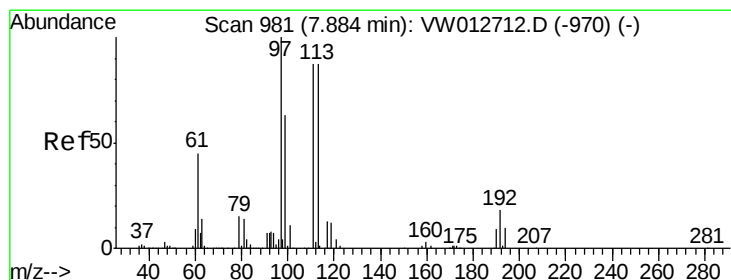
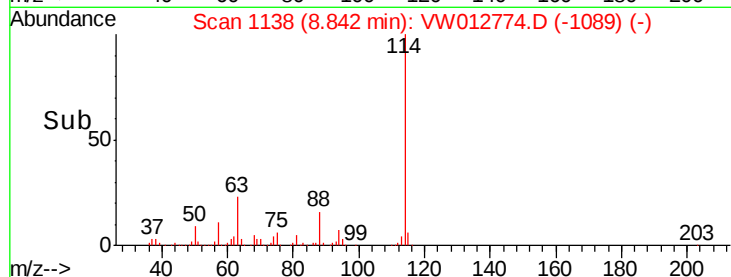
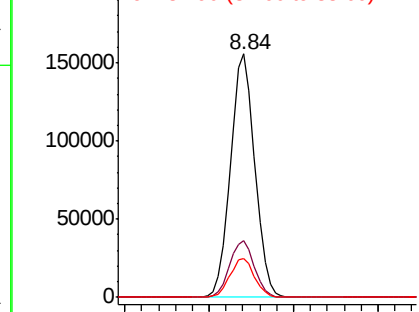
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012774.D
 Acq: 08 Sep 2019 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F1-(0)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	47.2
88	16.1	0.0	34.0

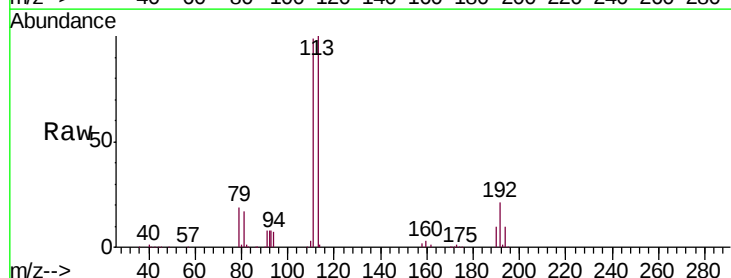


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

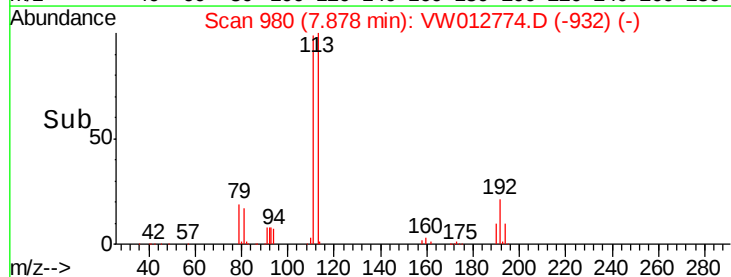
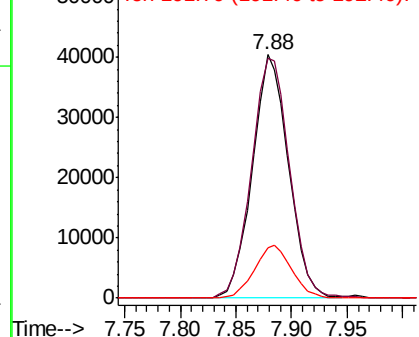


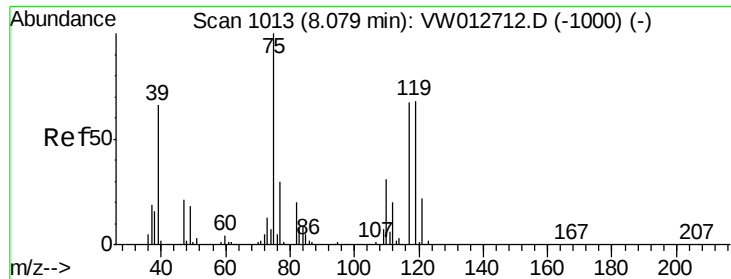
#35
 Dibromofluoromethane
 Concen: 50.066 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012774.D
 Acq: 08 Sep 2019 17:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.2	120.4
192	22.4	17.3	25.9



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

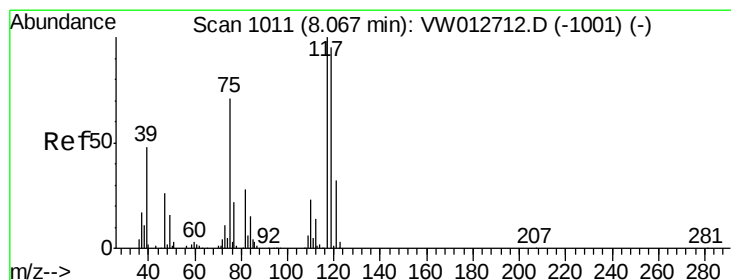
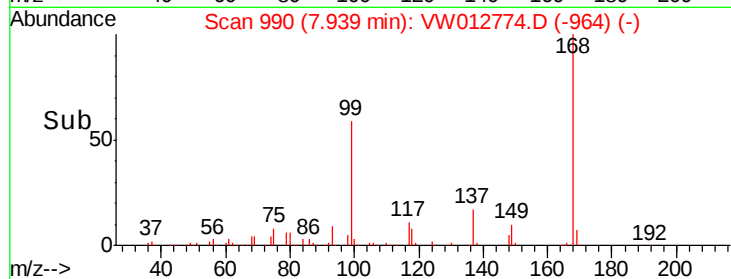
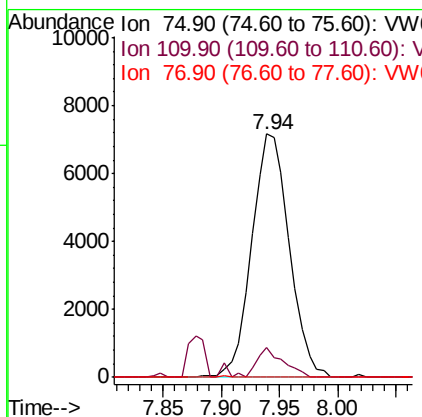
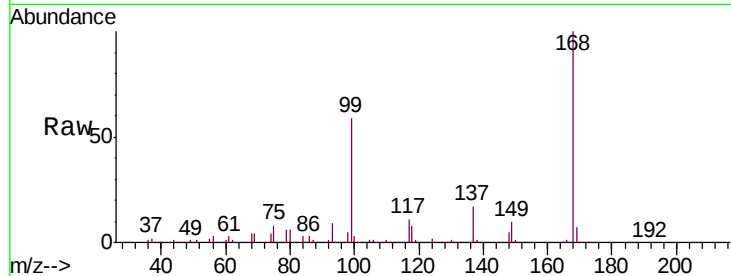




#36
 1,1-Dichloropropene
 Concen: 5.903 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012774.D
 Acq: 08 Sep 2019 17:19

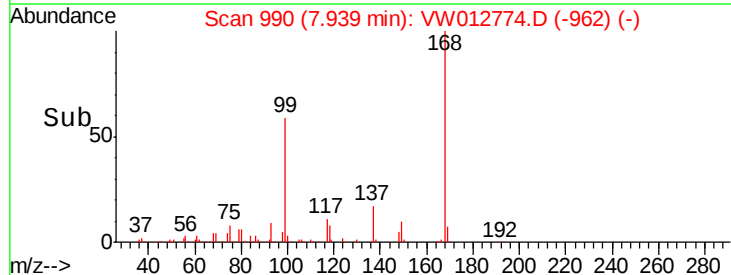
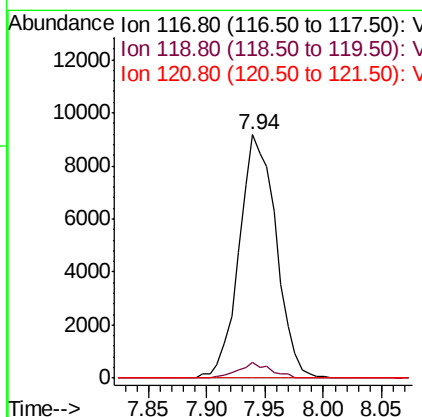
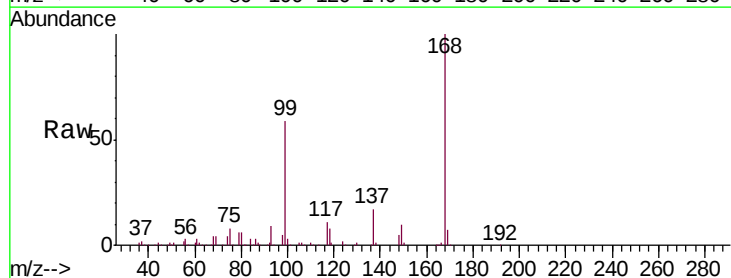
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F1-(0)

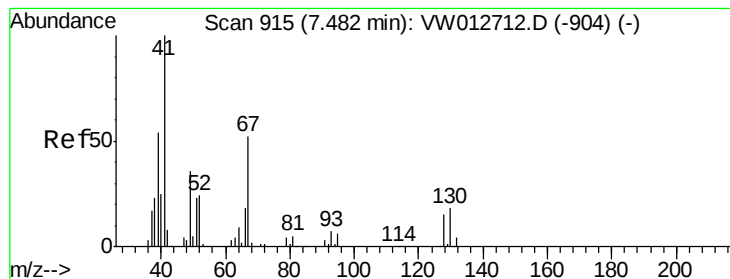
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.559 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012774.D
 Acq: 08 Sep 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 4.882 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F1-(0)

Tgt Ion: 41 Resp: 1334

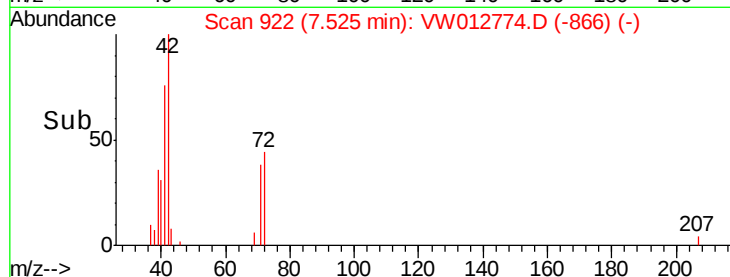
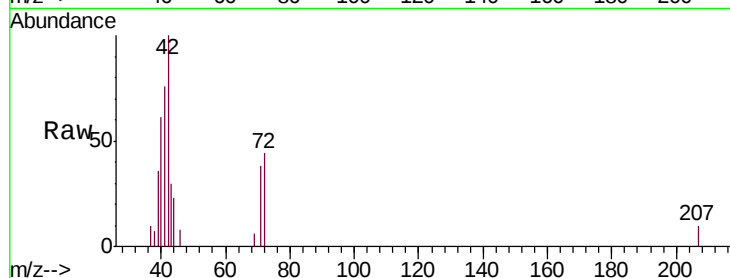
Ion Ratio Lower Upper

41 100

39 87.5 47.5 71.3#

67 1.4 45.1 67.7#

52 0.0 20.2 30.2#

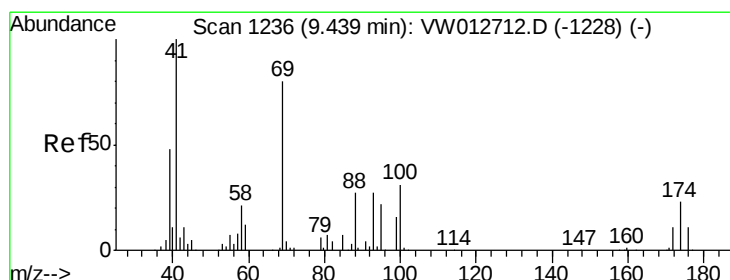
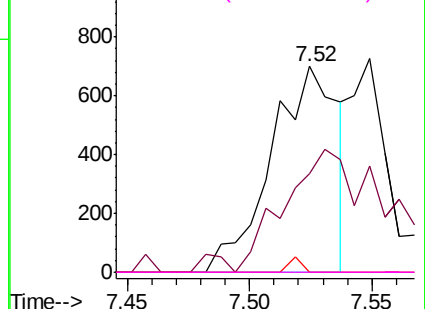


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#49

1,4-Dioxane

Concen: 1.071 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.02 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

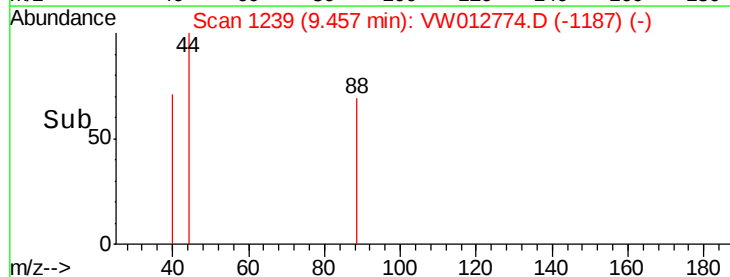
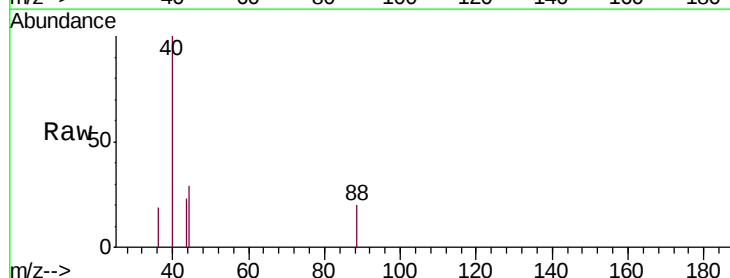
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

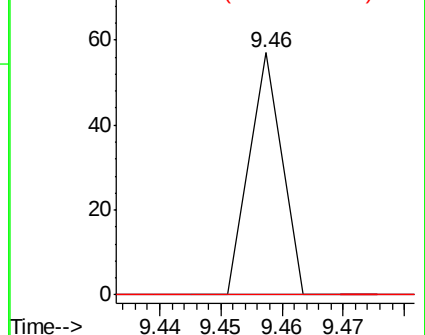
58 0.0 64.1 96.1#

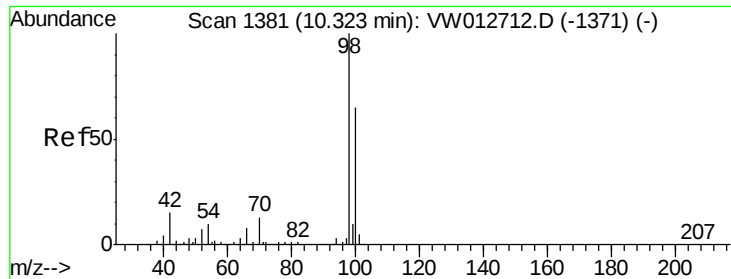


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.541 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

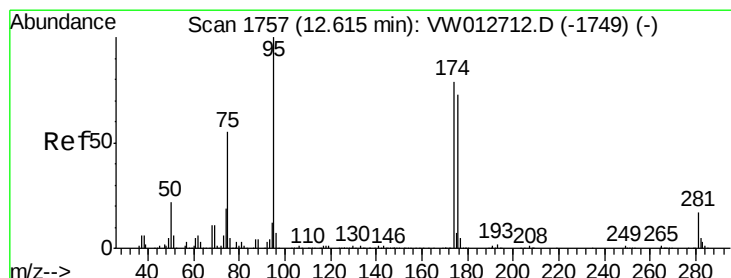
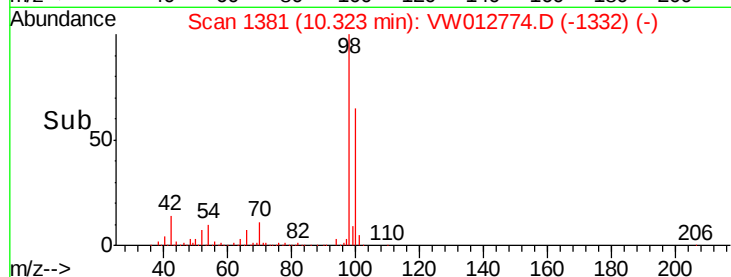
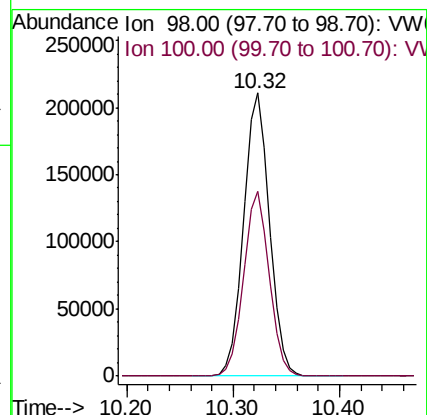
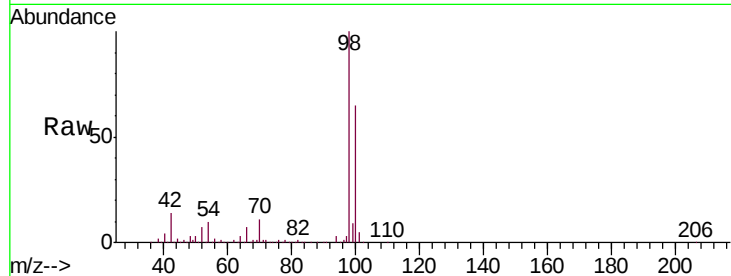
PAR-12-F1-(0)

Tgt Ion: 98 Resp: 360886

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.732 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

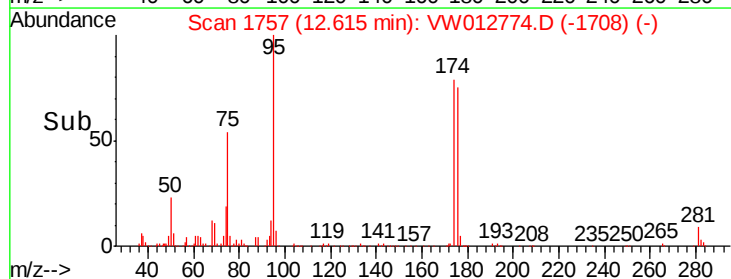
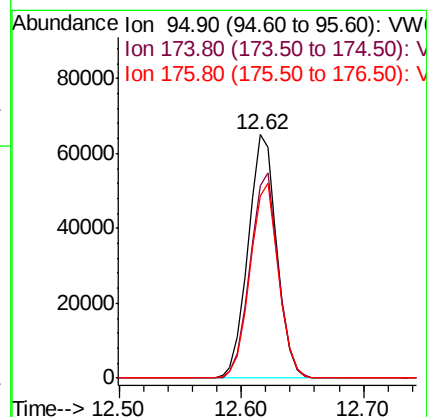
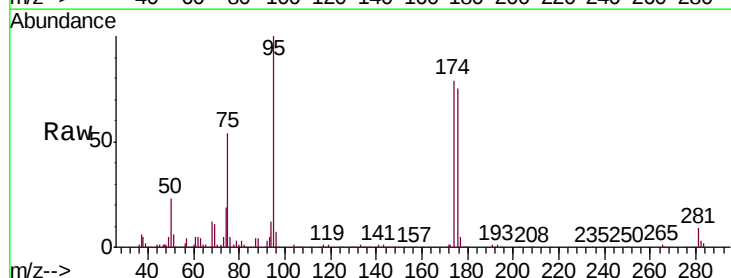
Tgt Ion: 95 Resp: 105586

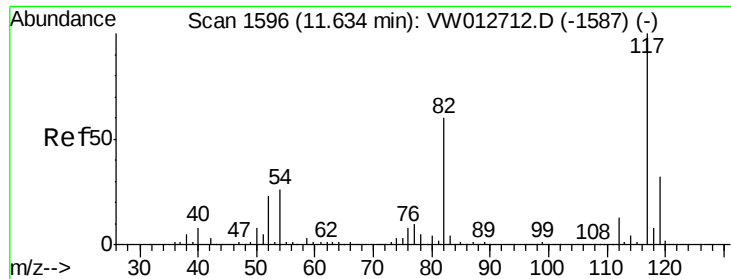
Ion Ratio Lower Upper

95 100

174 83.4 0.0 161.0

176 79.7 0.0 156.4

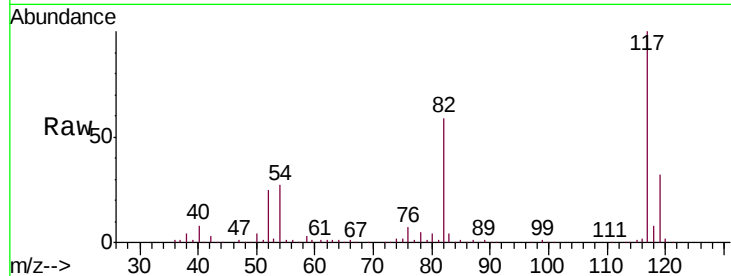




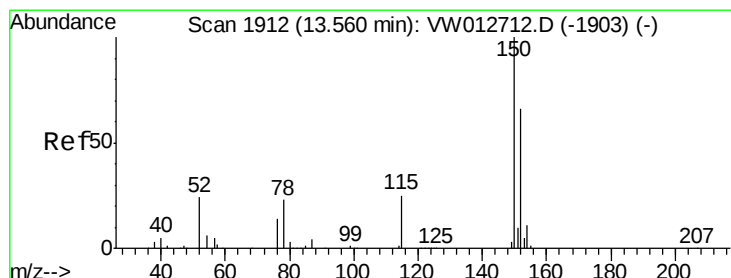
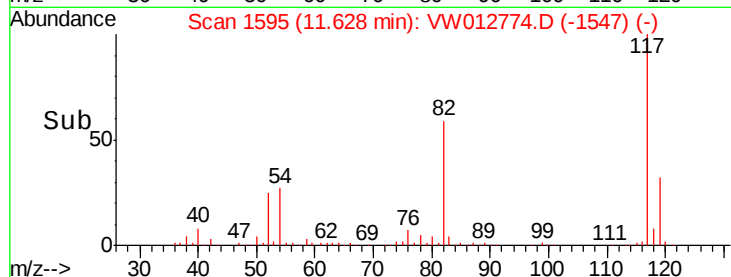
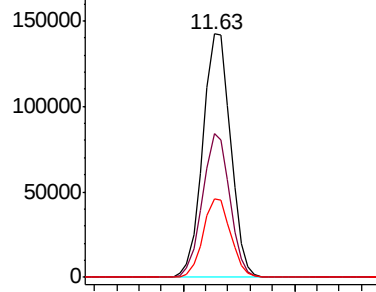
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012774.D
Acq: 08 Sep 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(0)

Tgt Ion:117 Resp: 246076
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 32.1 25.8 38.6

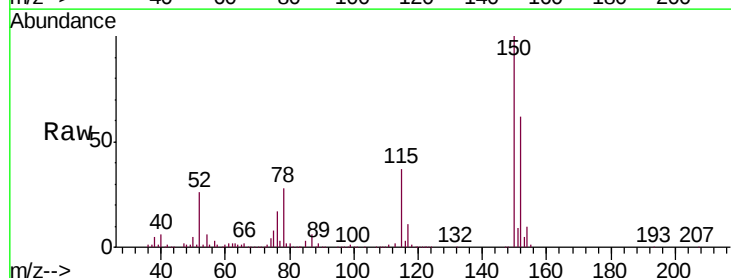


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

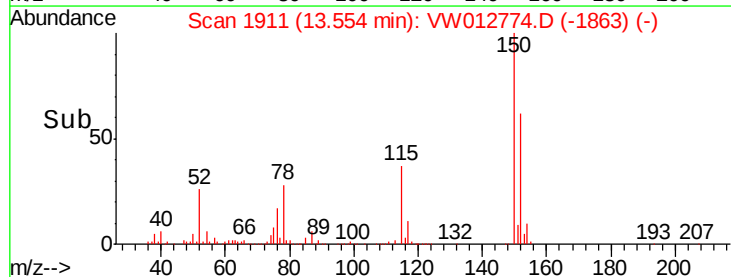
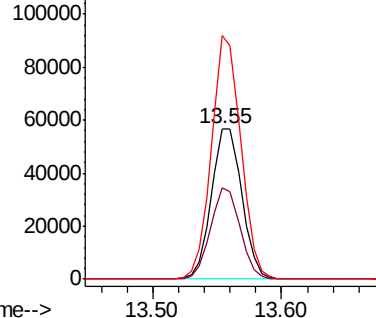


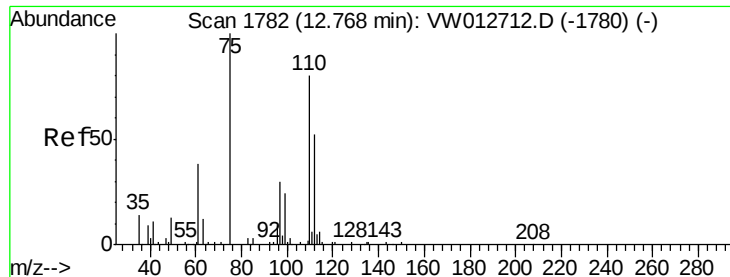
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012774.D
Acq: 08 Sep 2019 17:19

Tgt Ion:152 Resp: 92619
Ion Ratio Lower Upper
152 100
115 59.0 30.0 90.1
150 156.3 0.0 349.0



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: 60.396 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

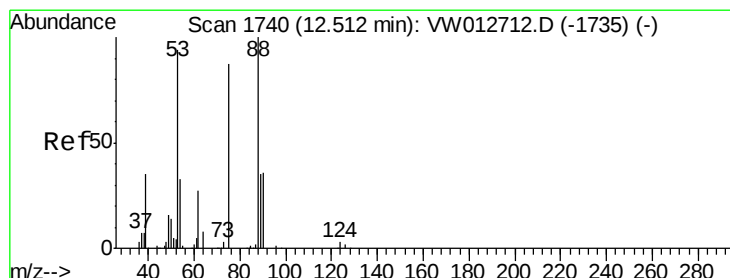
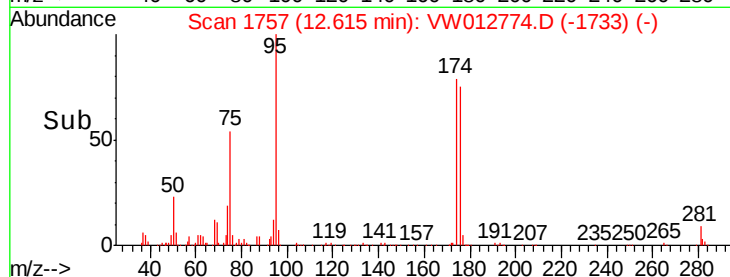
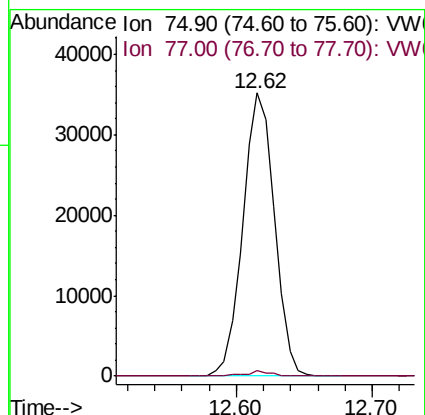
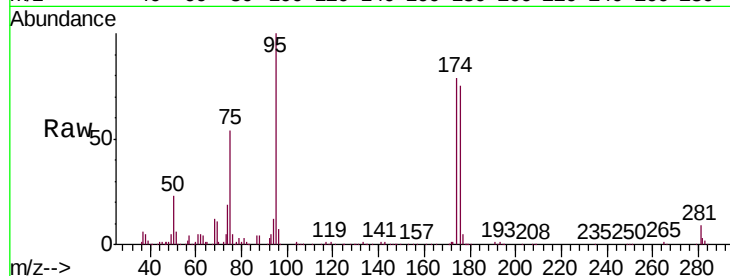
PAR-12-F1-(0)

Tgt Ion: 75 Resp: 57199

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.741 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012774.D

Acq: 08 Sep 2019 17:19

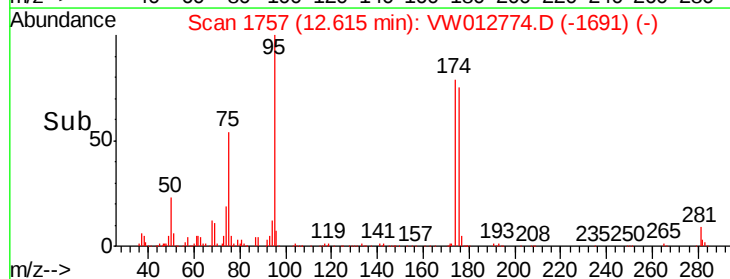
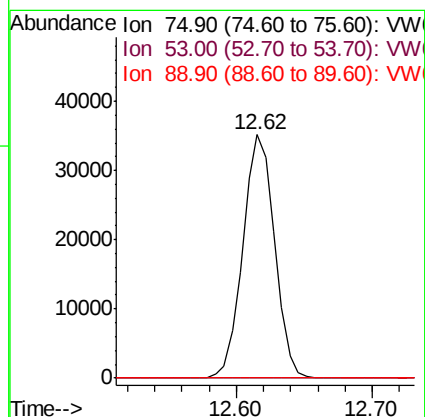
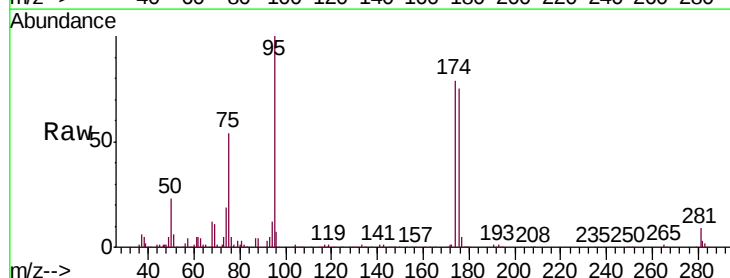
Tgt Ion: 75 Resp: 57199

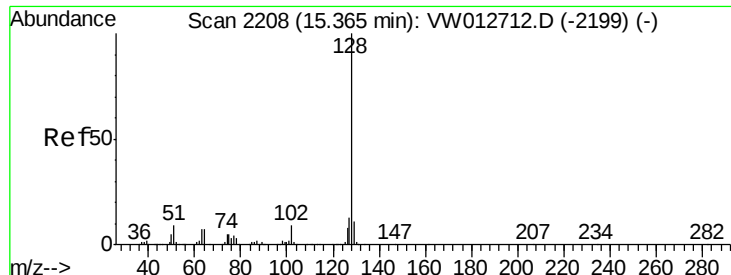
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.530 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012774.D
Acq: 08 Sep 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F1-(0)

Tgt Ion:128 Resp: 388
Ion Ratio Lower Upper
128 100
127 5.9 10.7 16.1#
129 0.0 8.7 13.1#

