

Data File : VW012773.D
Acq On : 08 Sep 2019 16:53
Operator : SY/VA
Sample : K4603-10
Misc : 5.45G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E4-(3.11)

Quant Time: Sep 09 05:59:23 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	199646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116812	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	90213	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.32	98	351471	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.62	95	107154	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

Target Compounds

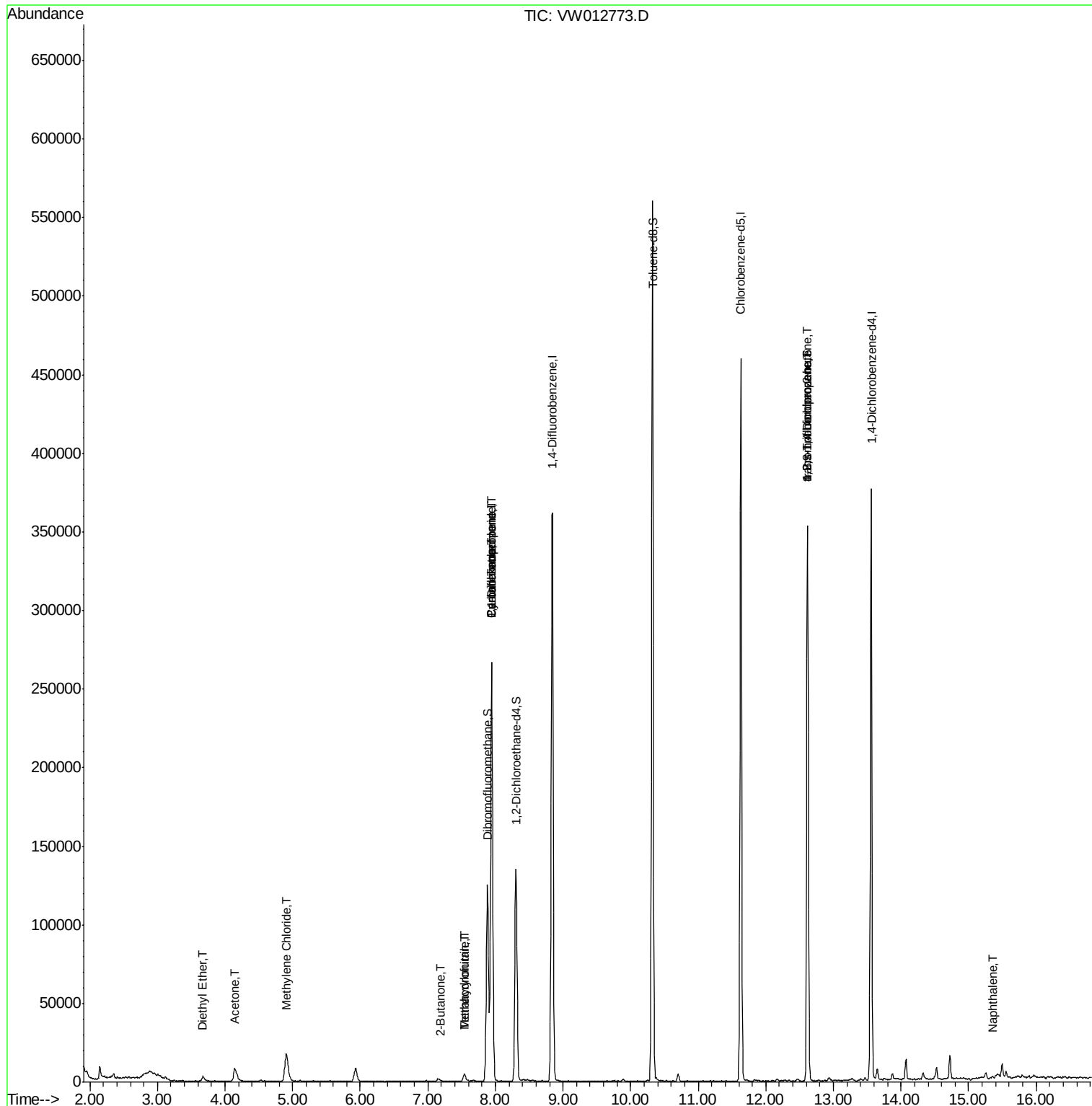
						Qvalue
8) Diethyl Ether	3.67	74	1731	1.851	ug/l	86
16) Acetone	4.14	43	17392	28.599	ug/l	99
20) Methylene Chloride	4.92	84	13828	7.268	ug/l #	79
25) 2-Butanone	7.19	43	388	20.079	ug/l #	53
29) Tetrahydrofuran	7.54	42	4149	8.448	ug/l	96
31) Cyclohexane	7.94	56	4842	1.477	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15638	5.868	ug/l #	51
38) Carbon Tetrachloride	7.94	117	19532	7.435	ug/l #	17
41) Methacrylonitrile	7.54	41	2882	6.143	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	59339	59.778	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59339	126.435	ug/l #	6
95) Naphthalene	15.36	128	344	4.516	ug/l #	78

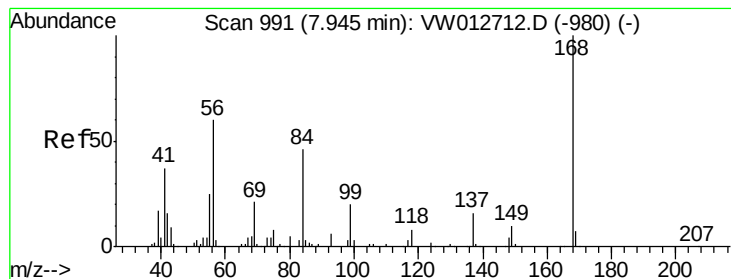
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

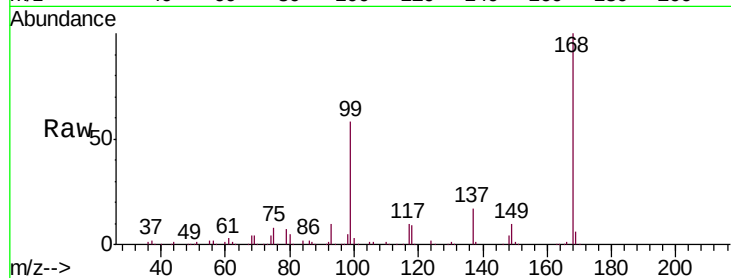
PAR-E4-(3.11)

Tgt Ion:168 Resp: 199646

Ion Ratio Lower Upper

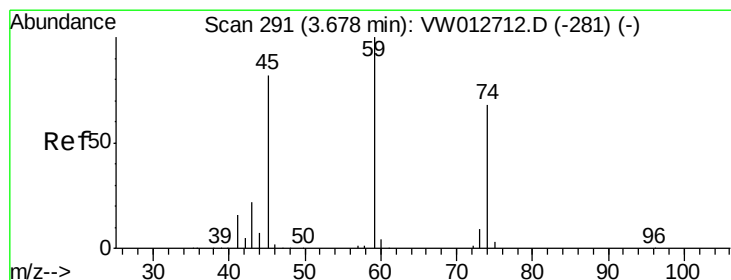
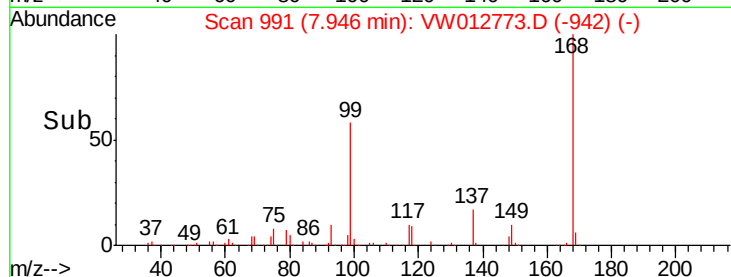
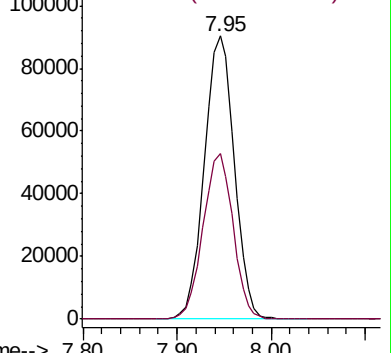
168 100

99 58.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.851 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012773.D

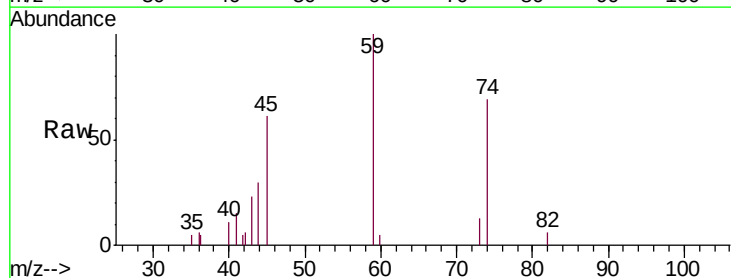
Acq: 08 Sep 2019 16:53

Tgt Ion: 74 Resp: 1731

Ion Ratio Lower Upper

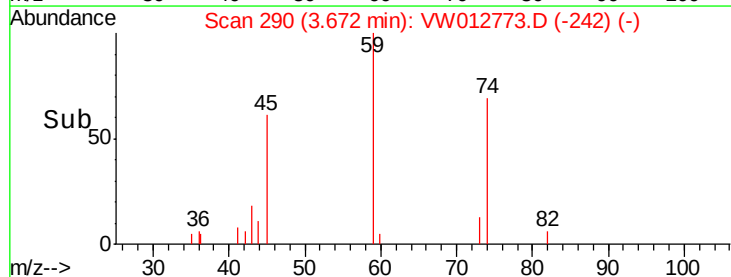
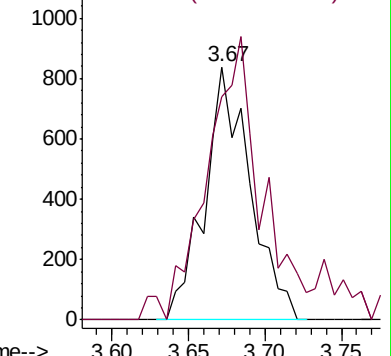
74 100

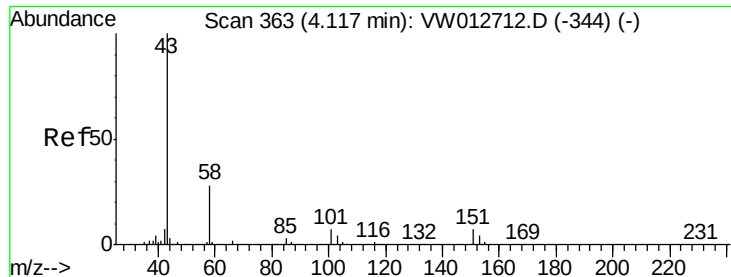
45 133.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 28.599 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

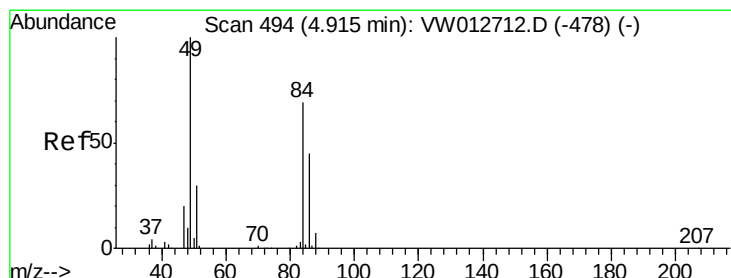
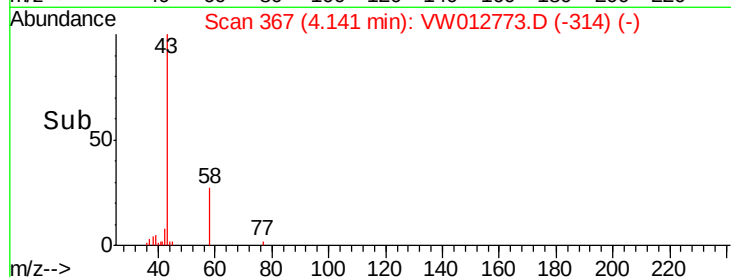
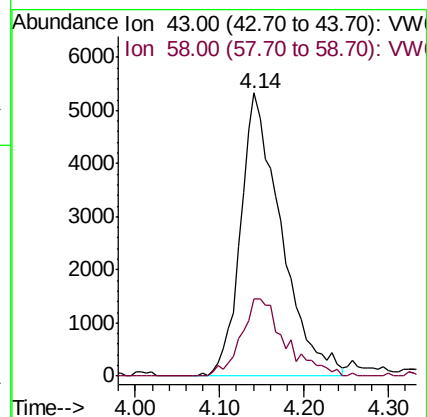
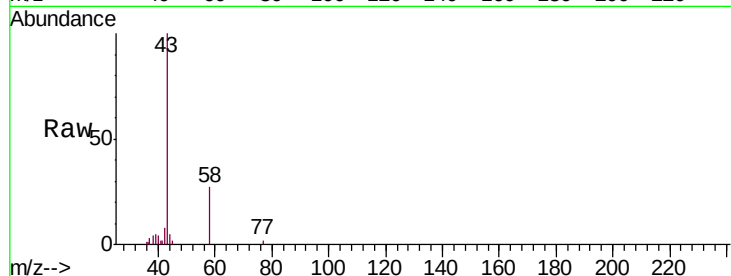
PAR-E4-(3.11)

Tgt Ion: 43 Resp: 17392

Ion Ratio Lower Upper

43 100

58 27.5 22.6 33.8



#20

Methylene Chloride

Concen: 7.268 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

Tgt Ion: 84 Resp: 13828

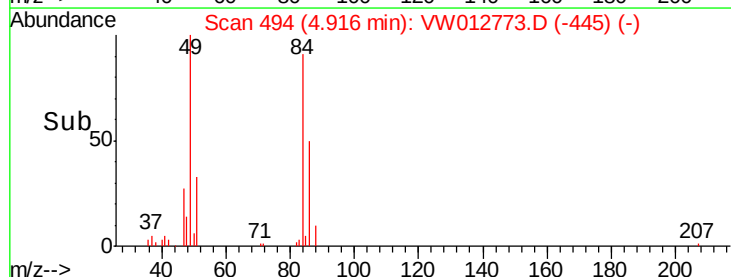
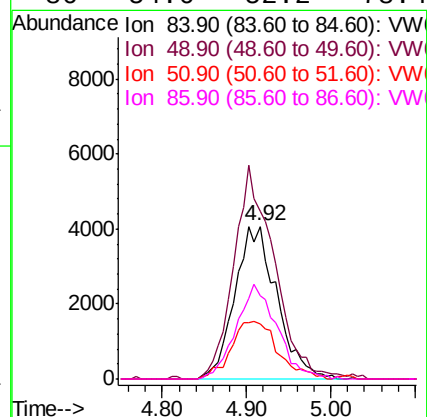
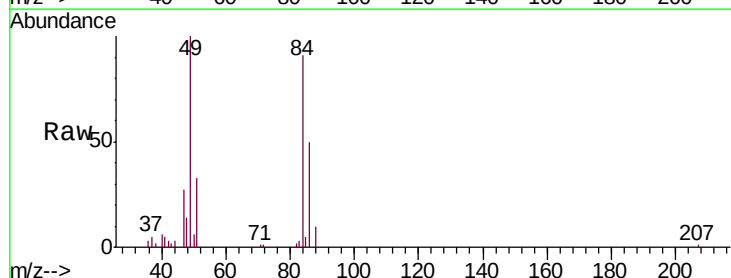
Ion Ratio Lower Upper

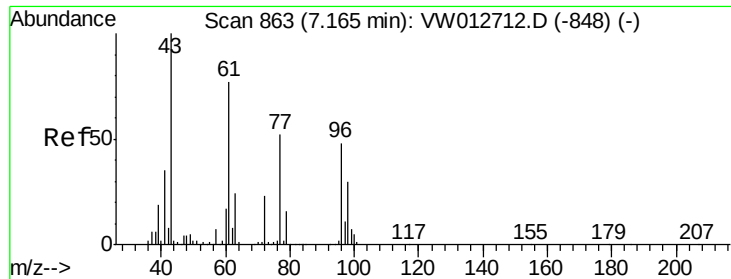
84 100

49 110.1 115.4 173.0#

51 35.9 34.9 52.3

86 54.6 52.2 78.4





#25

2-Butanone

Concen: 20.079 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

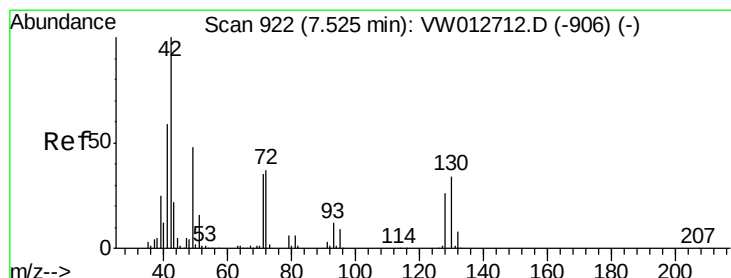
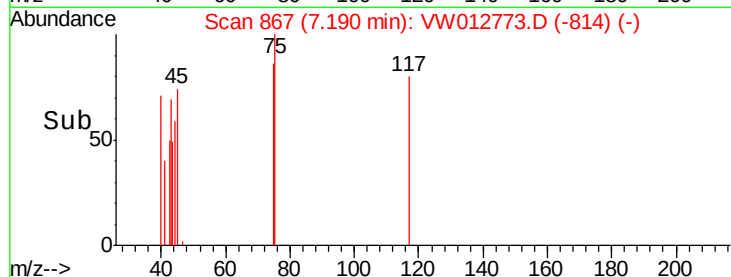
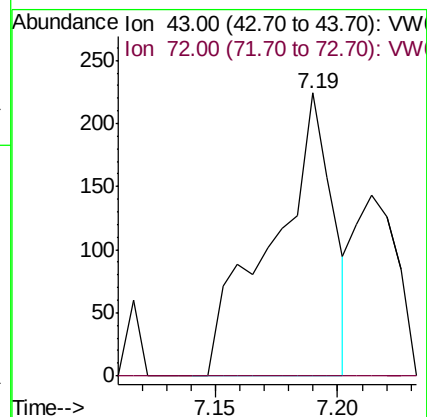
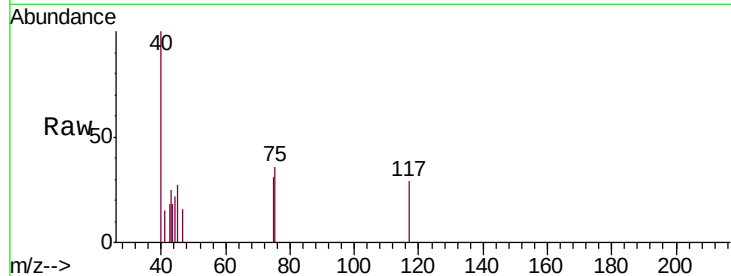
PAR-E4-(3.11)

Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 8.448 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

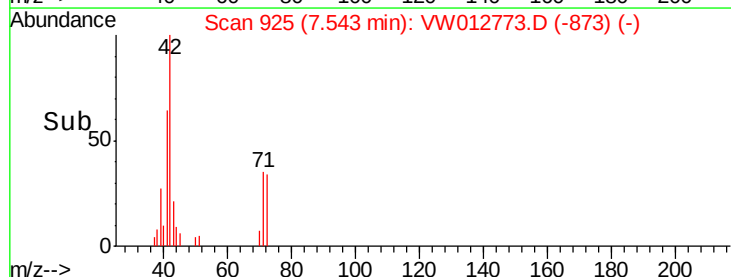
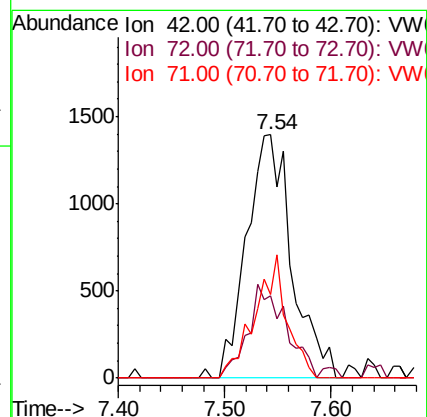
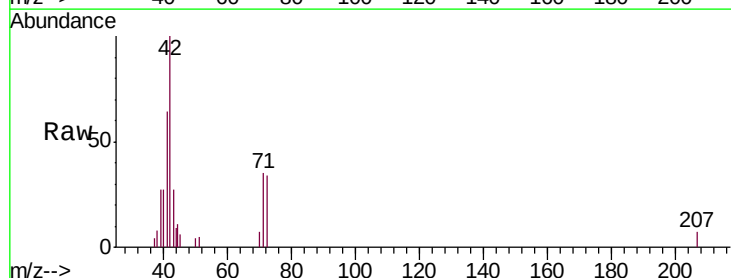
Tgt Ion: 42 Resp: 4149

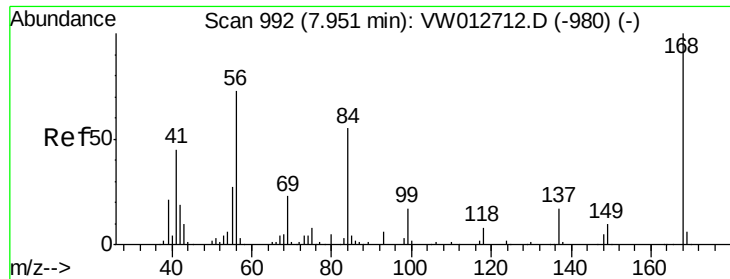
Ion Ratio Lower Upper

42 100

72 32.4 28.4 42.6

71 35.8 27.1 40.7

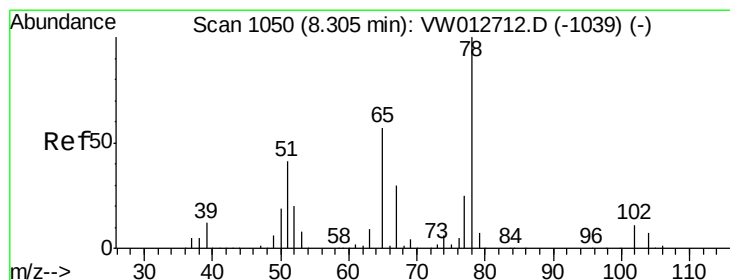
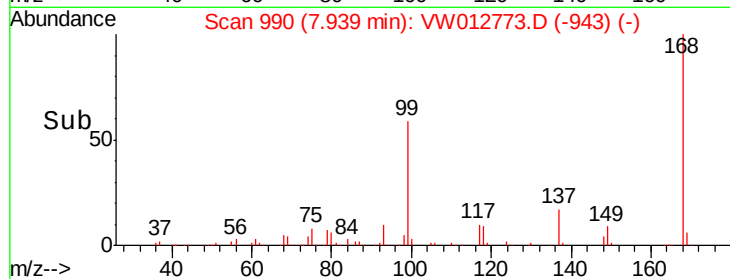
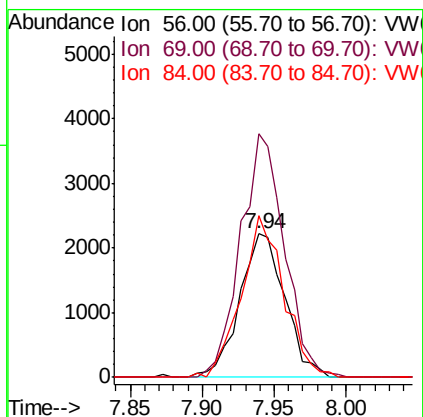
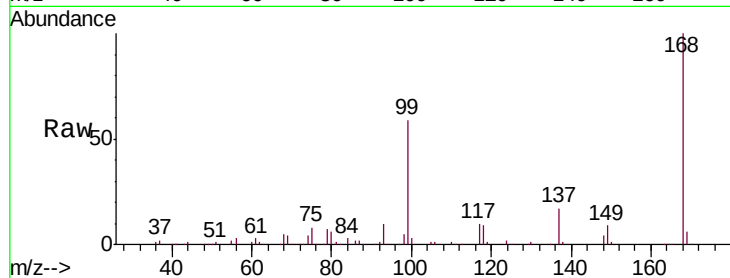




#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

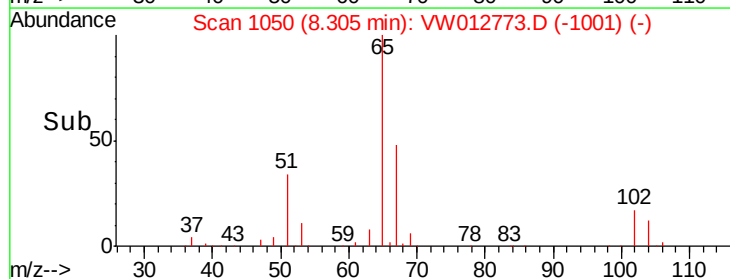
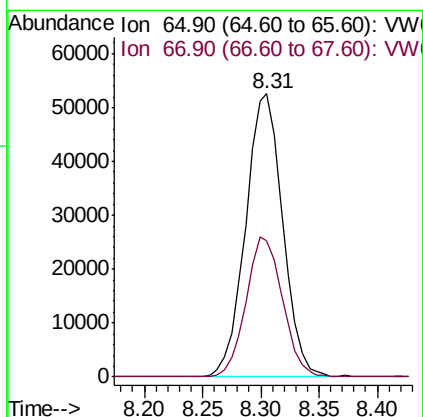
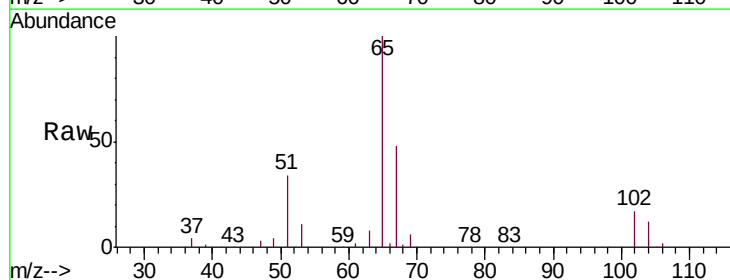
Instrument :
MSVOA_W
ClientSampleId :
PAR-E4-(3.11)

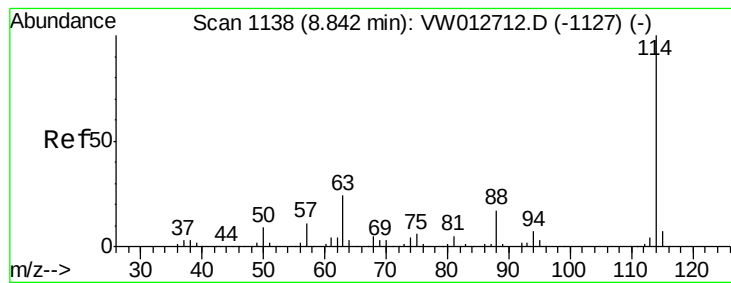
Tgt Ion: 56 Resp: 4842
Ion Ratio Lower Upper
56 100
69 169.8 25.7 38.5#
84 112.4 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 52.365 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

Tgt Ion: 65 Resp: 116812
Ion Ratio Lower Upper
65 100
67 48.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

PAR-E4-(3.11)

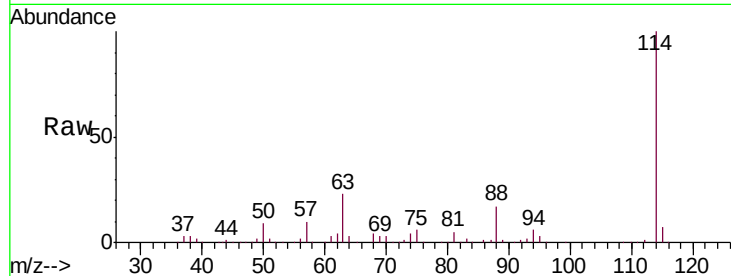
Tgt Ion:114 Resp: 299927

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

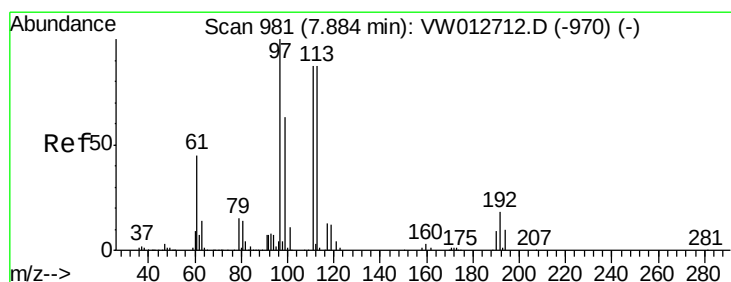
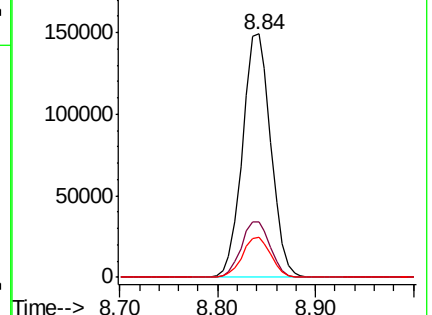
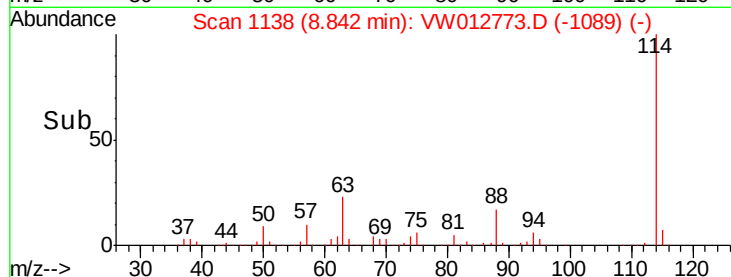
88 16.5 0.0 34.0



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: 50.592 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

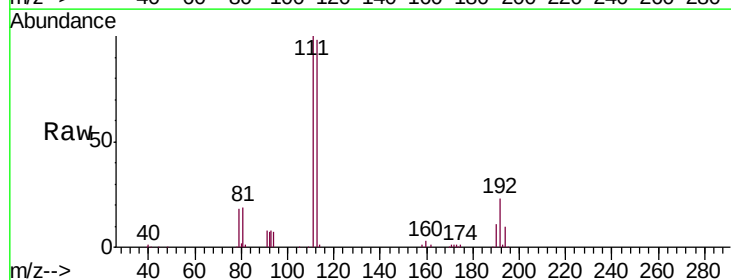
Tgt Ion:113 Resp: 90213

Ion Ratio Lower Upper

113 100

111 102.0 80.2 120.4

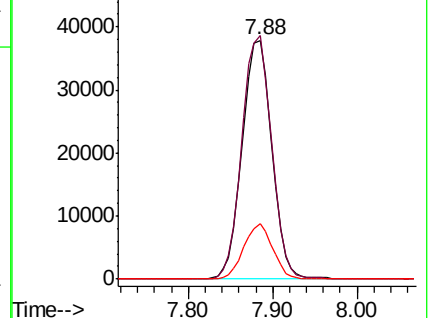
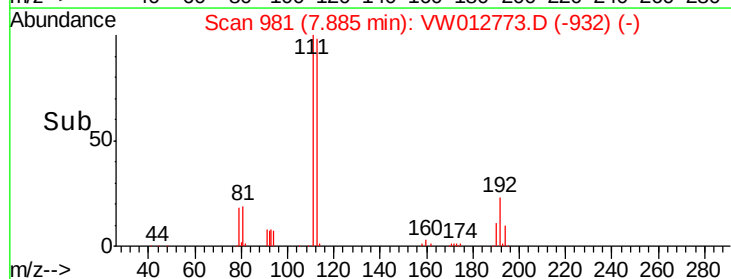
192 22.5 17.3 25.9

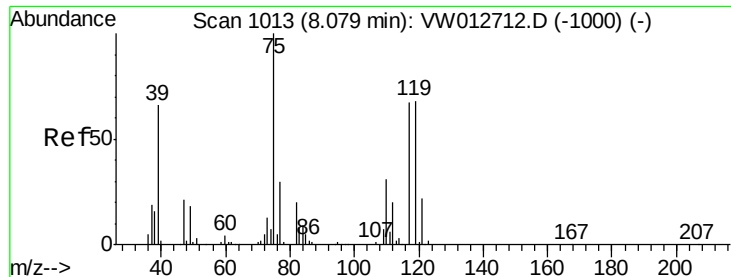


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.868 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

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MSVOA_W

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PAR-E4-(3.11)

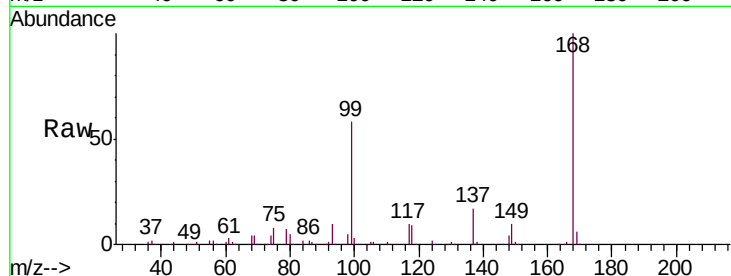
Tgt Ion: 75 Resp: 15638

Ion Ratio Lower Upper

75 100

110 9.1 15.9 47.7#

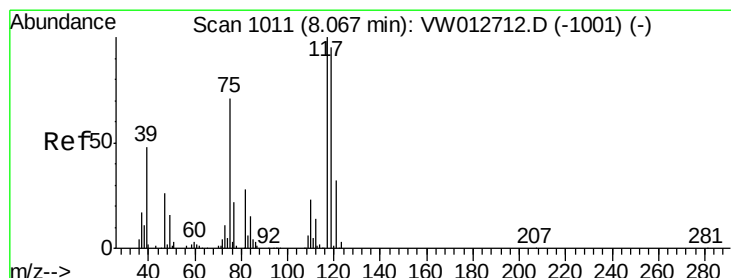
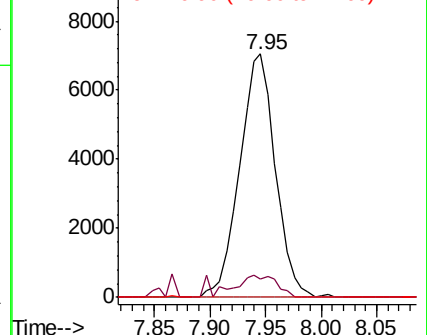
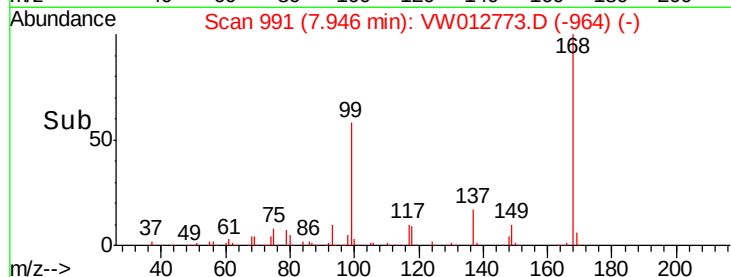
77 0.0 25.0 37.4#



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: 7.435 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

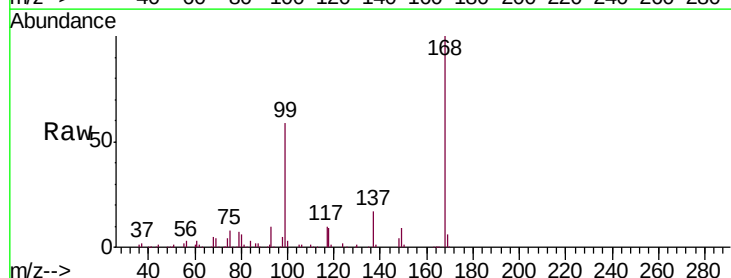
Tgt Ion: 117 Resp: 19532

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

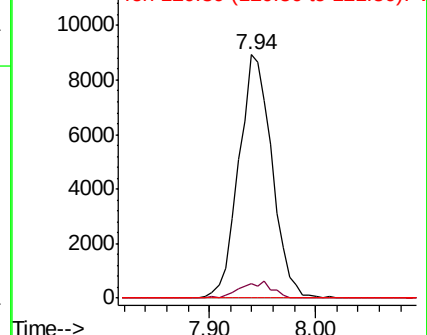
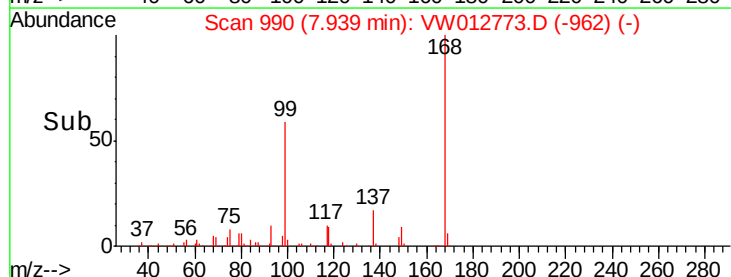
121 0.0 25.4 38.2#

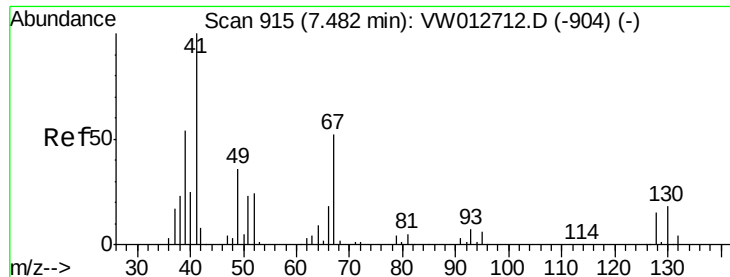


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

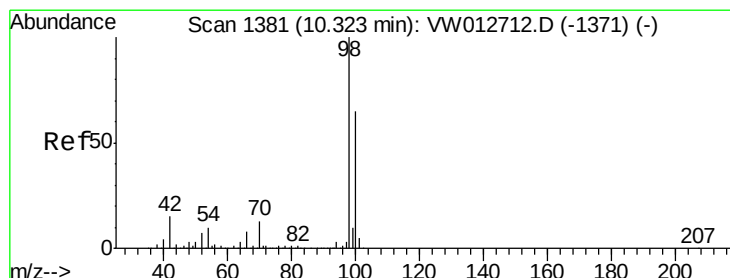
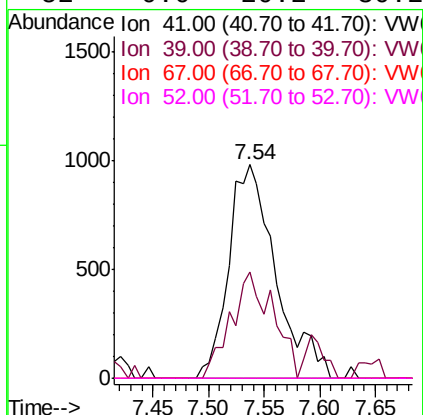
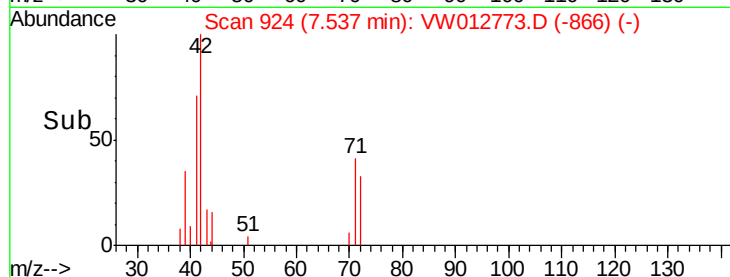
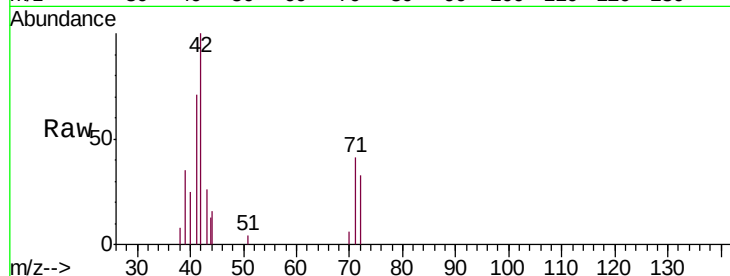




#41
Methacrylonitrile
Concen: 6.143 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

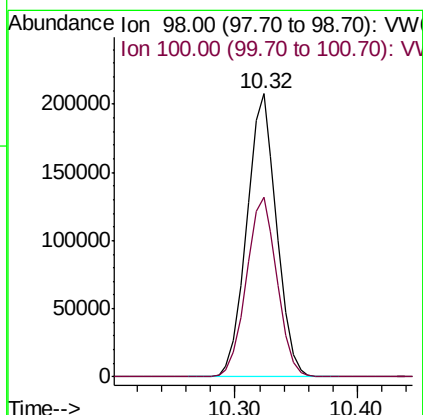
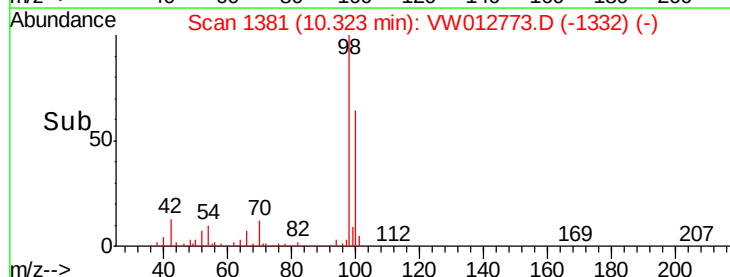
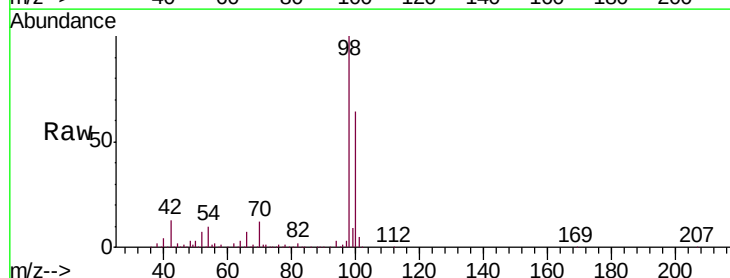
Instrument :
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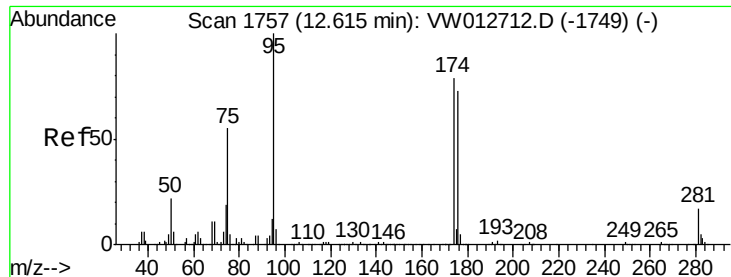
Tgt Ion: 41 Resp: 2882
Ion Ratio Lower Upper
41 100
39 44.5 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

Tgt Ion: 98 Resp: 351471
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

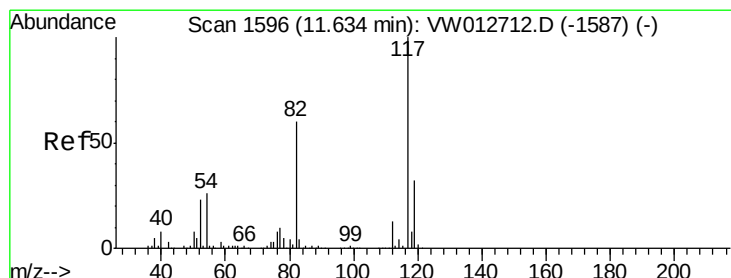
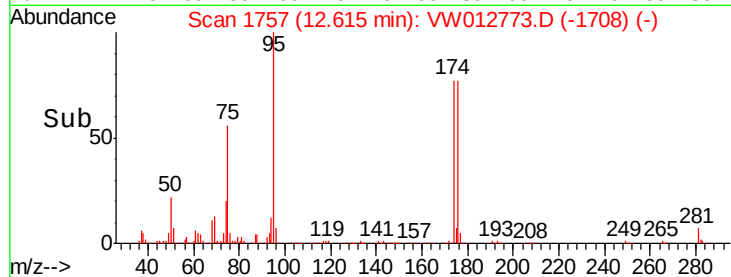
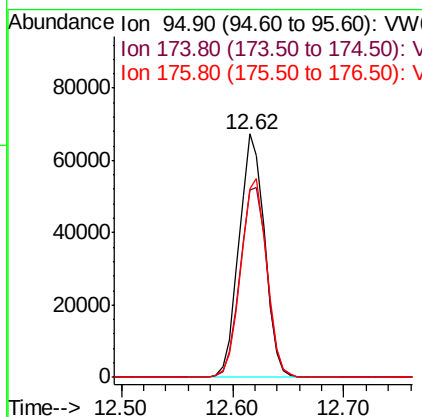
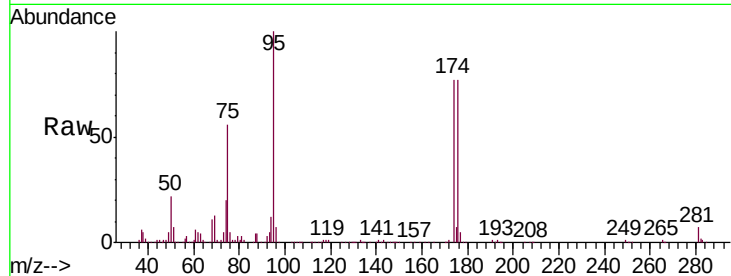




#62
4-Bromofluorobenzene
Concen: 42.251 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

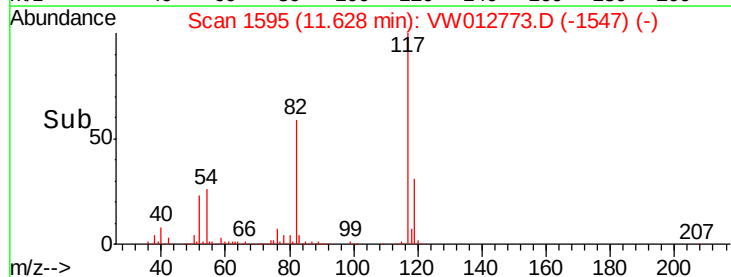
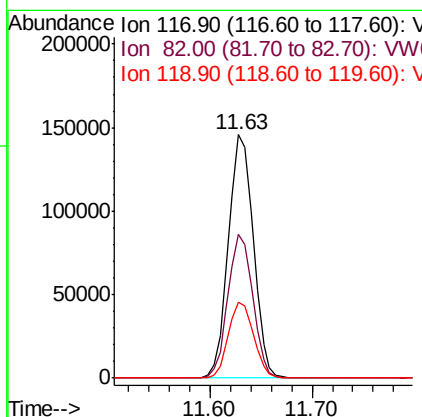
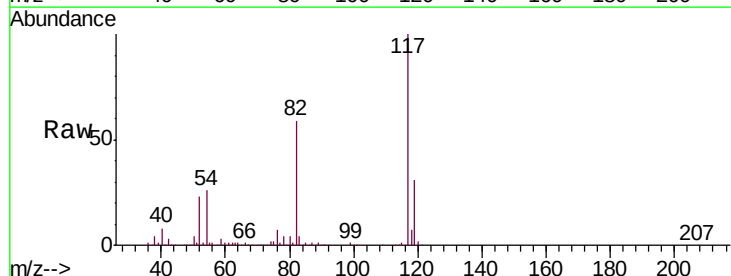
Instrument :
MSVOA_W
ClientSampleId :
PAR-E4-(3.11)

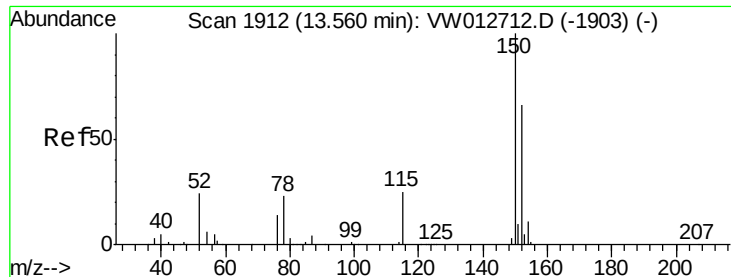
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	161.0
176	82.8	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012773.D
Acq: 08 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.2	72.4
119	31.2	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: VW012773.D

Acq: 08 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

PAR-E4-(3.11)

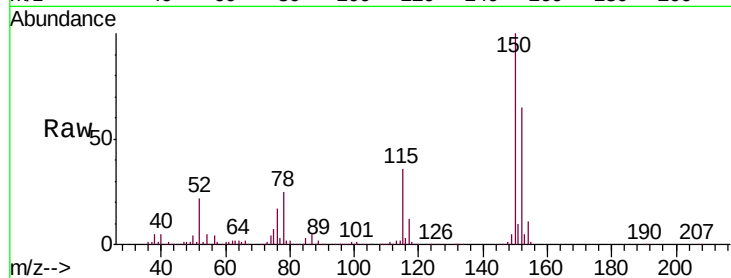
Tgt Ion:152 Resp: 97077

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.1

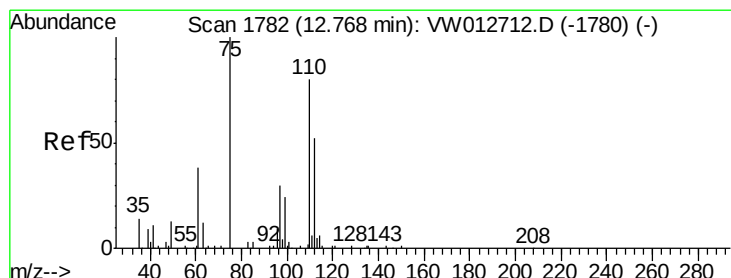
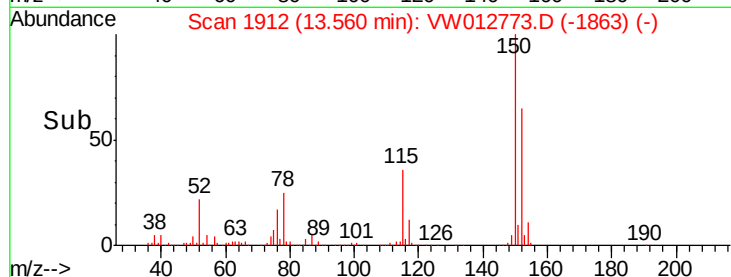
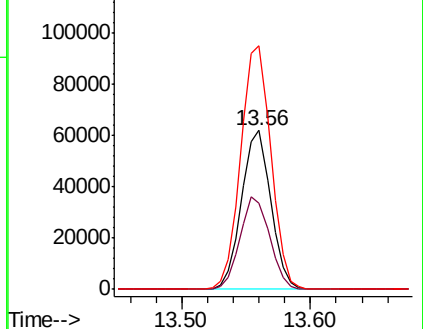
150 158.0 0.0 349.0



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: 59.778 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012773.D

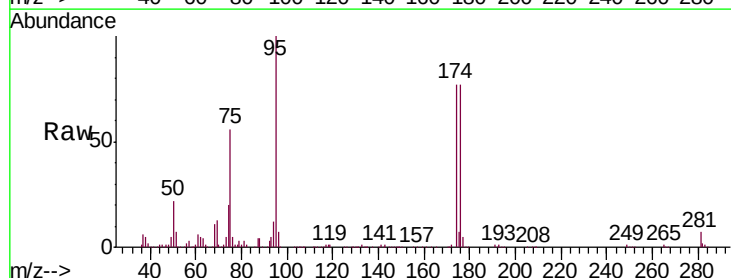
Acq: 08 Sep 2019 16:53

Tgt Ion: 75 Resp: 59339

Ion Ratio Lower Upper

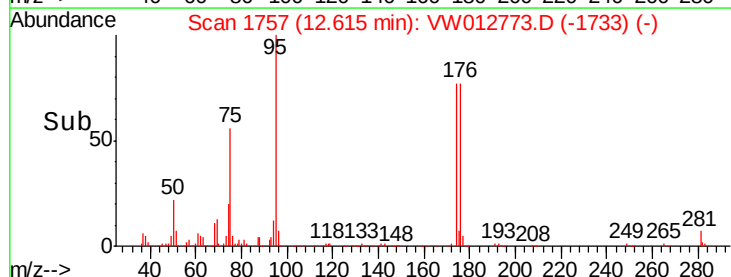
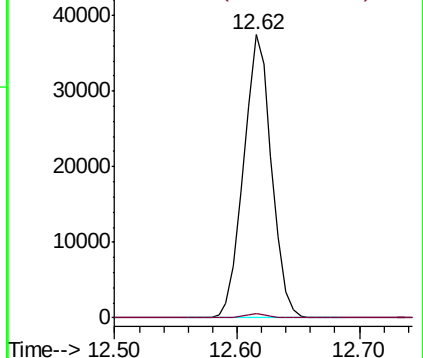
75 100

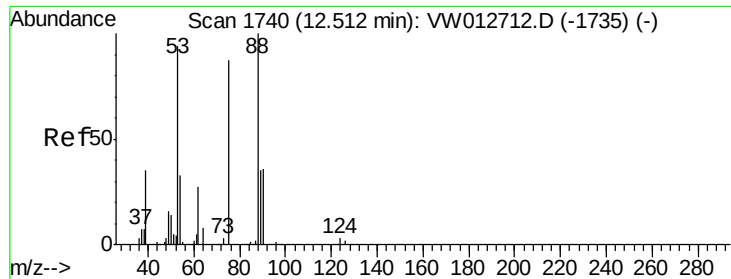
77 1.4 0.0 0.0#



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: 126.435 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

PAR-E4-(3.11)

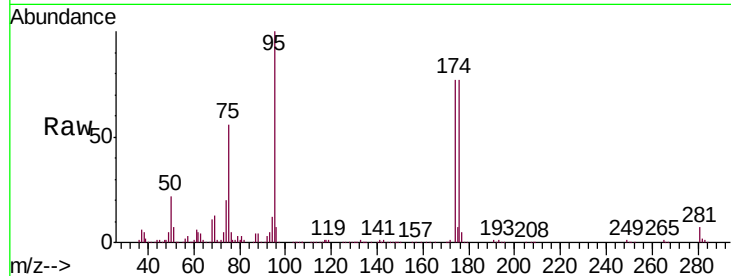
Tgt Ion: 75 Resp: 59339

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

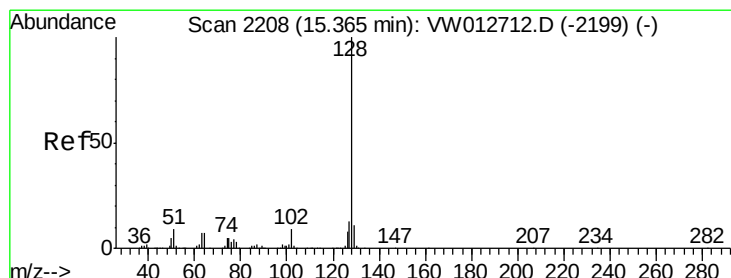
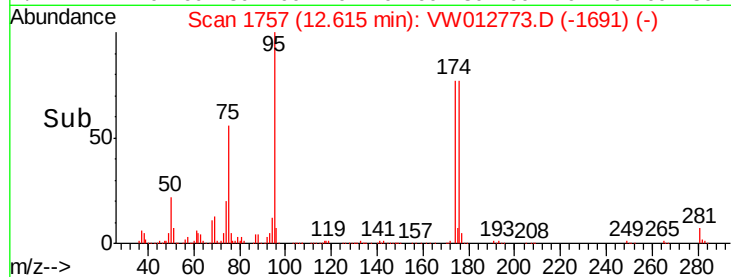
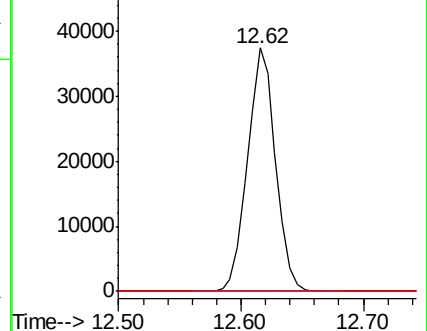
89 0.1 35.5 53.3#



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: 4.516 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012773.D

Acq: 08 Sep 2019 16:53

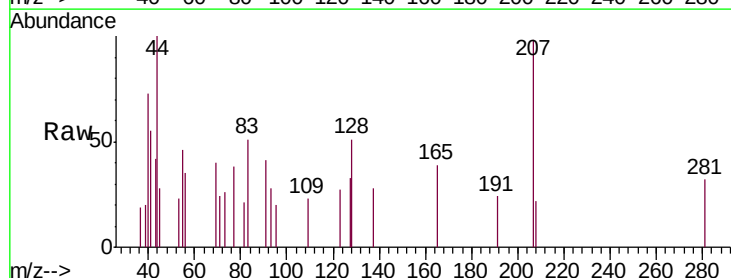
Tgt Ion: 128 Resp: 344

Ion Ratio Lower Upper

128 100

127 6.7 10.7 16.1#

129 0.0 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

