

Data File : VW012767.D
Acq On : 08 Sep 2019 14:19
Operator : SY/VA
Sample : K4603-04
Misc : 4.58G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(0)

Quant Time: Sep 09 05:57:47 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	222837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	113260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	119349	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.88	113	101850	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.32	98	407549	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	124351	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

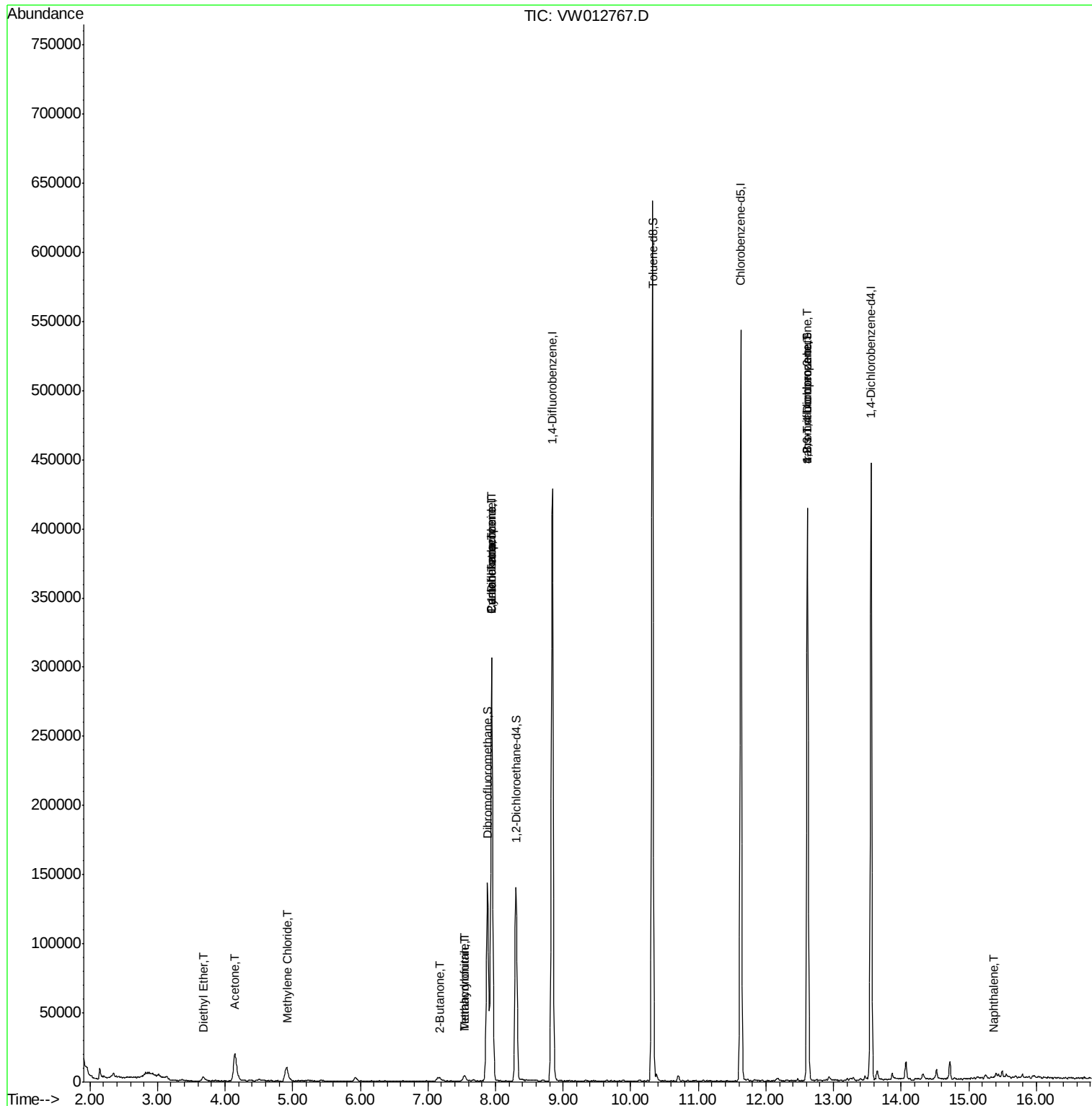
Target Compounds				Qvalue		
8) Diethyl Ether	3.68	74	1481	1.419	ug/l	83
16) Acetone	4.15	43	44149	65.042	ug/l	93
20) Methylene Chloride	4.92	84	7585	3.572	ug/l #	75
25) 2-Butanone	7.18	43	2728	22.195	ug/l	97
29) Tetrahydrofuran	7.54	42	3726	6.798	ug/l	98
31) Cyclohexane	7.94	56	5429	1.483	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18552	6.154	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23023	7.747	ug/l #	16
41) Methacrylonitrile	7.54	41	2907	5.893	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	67303	58.113	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67303	122.914	ug/l #	6
95) Naphthalene	15.38	128	756	4.584	ug/l #	81

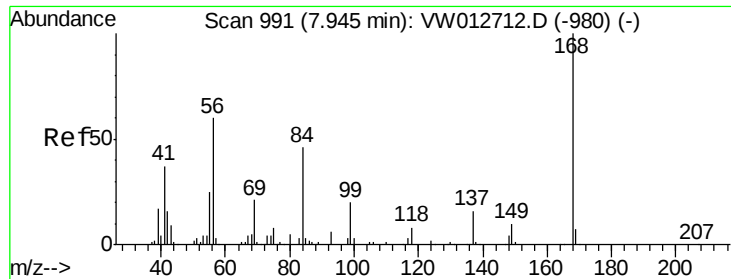
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012767.D

Acq: 08 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

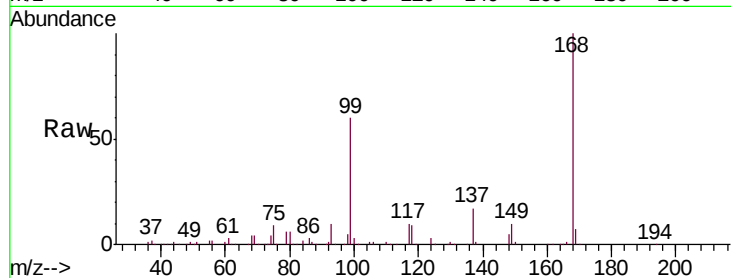
PAR-E2-(0)

Tgt Ion:168 Resp: 222837

Ion Ratio Lower Upper

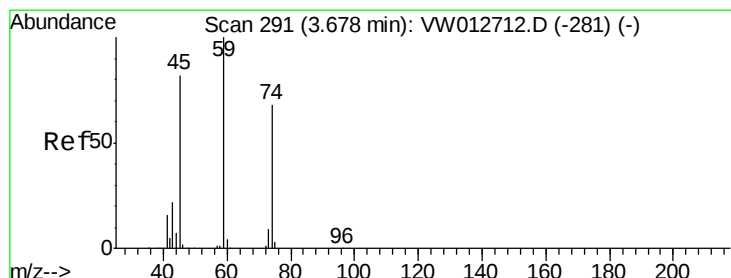
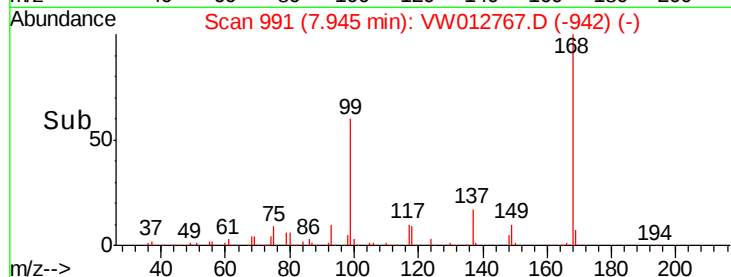
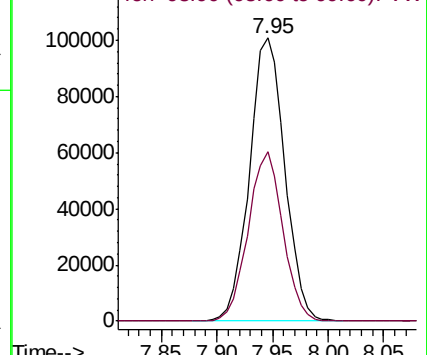
168 100

99 60.0 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: 1.419 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012767.D

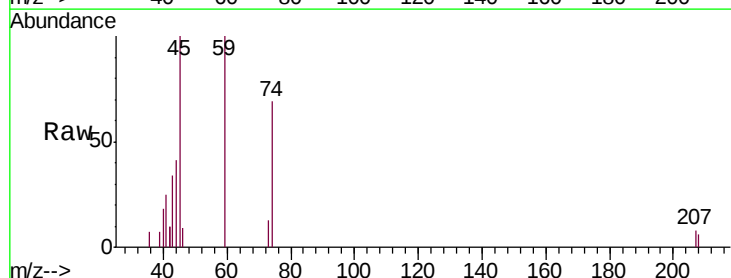
Acq: 08 Sep 2019 14:19

Tgt Ion: 74 Resp: 1481

Ion Ratio Lower Upper

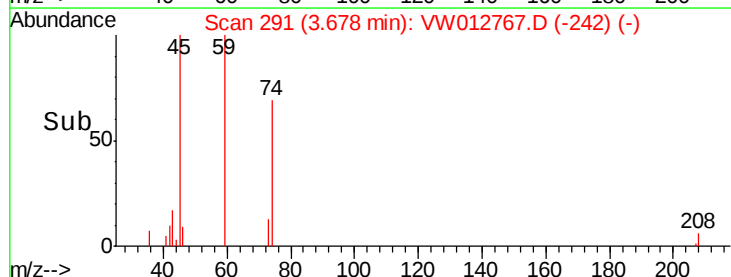
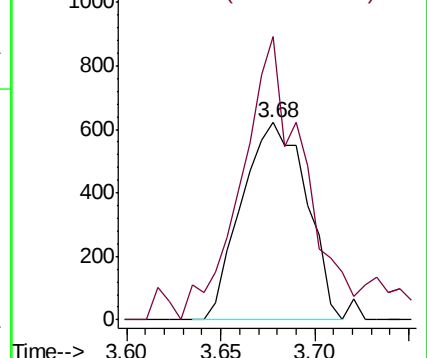
74 100

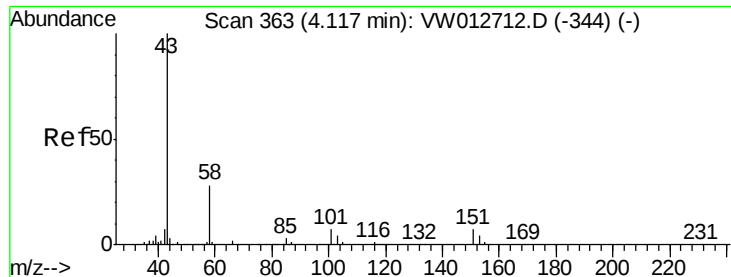
45 136.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 65.042 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

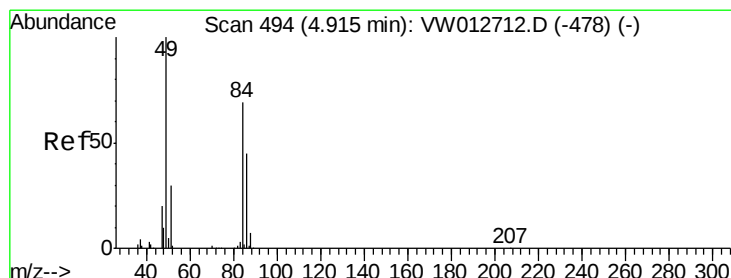
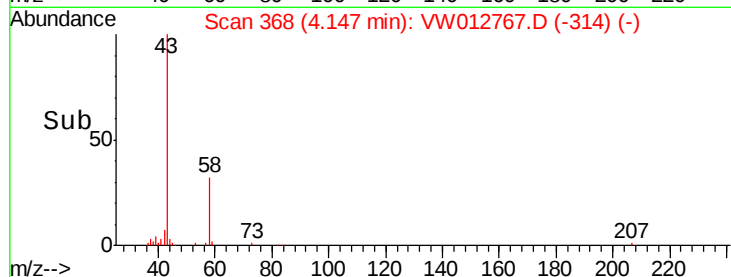
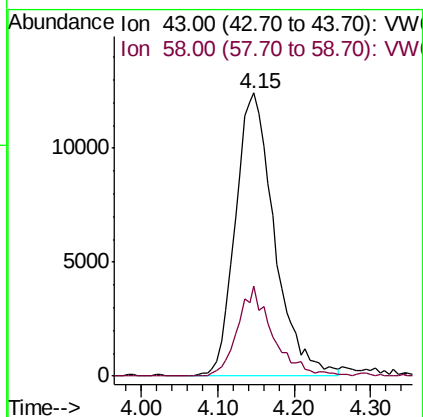
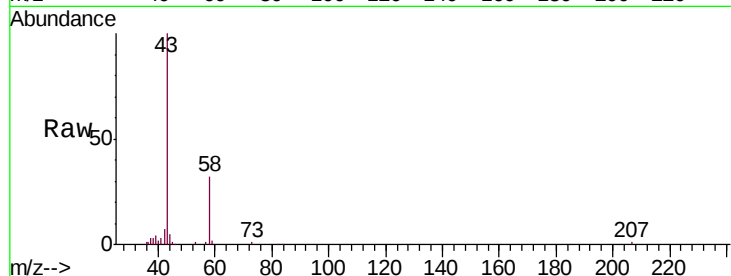
PAR-E2-(0)

Tgt Ion: 43 Resp: 44149

Ion Ratio Lower Upper

43 100

58 31.8 22.6 33.8



#20

Methylene Chloride

Concen: 3.572 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

Tgt Ion: 84 Resp: 7585

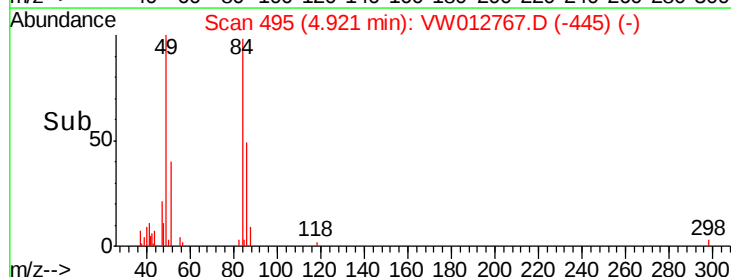
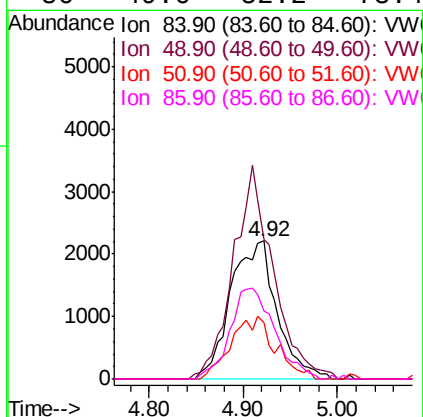
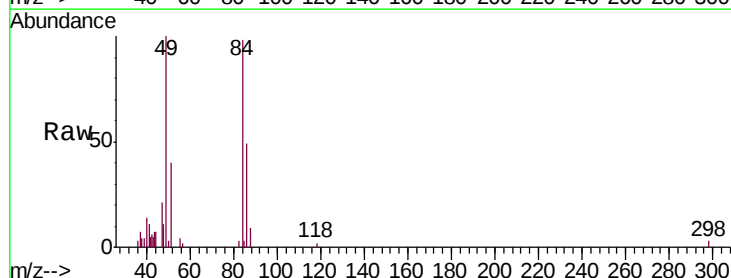
Ion Ratio Lower Upper

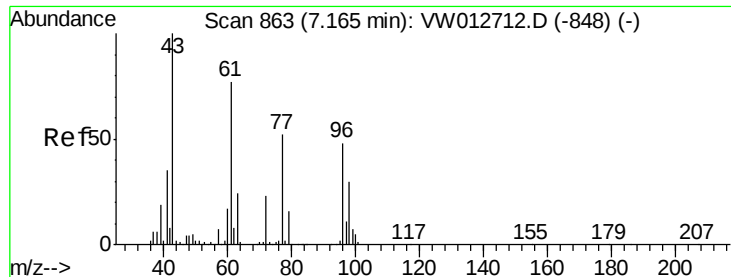
84 100

49 101.8 115.4 173.0#

51 40.8 34.9 52.3

86 49.6 52.2 78.4#





#25

2-Butanone

Concen: 22.195 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

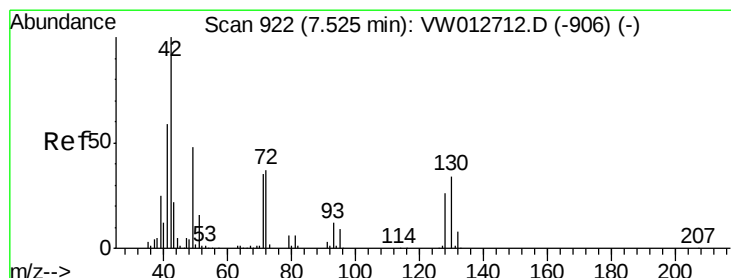
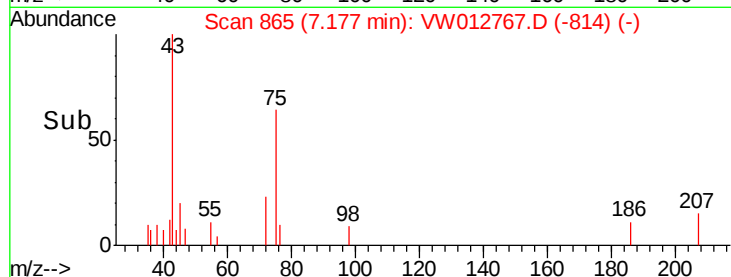
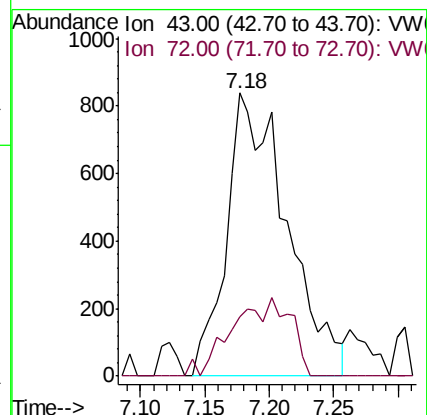
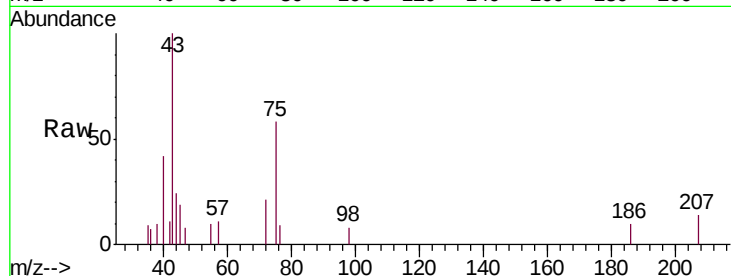
PAR-E2-(0)

Tgt Ion: 43 Resp: 2728

Ion Ratio Lower Upper

43 100

72 21.0 18.0 27.0



#29

Tetrahydrofuran

Concen: 6.798 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

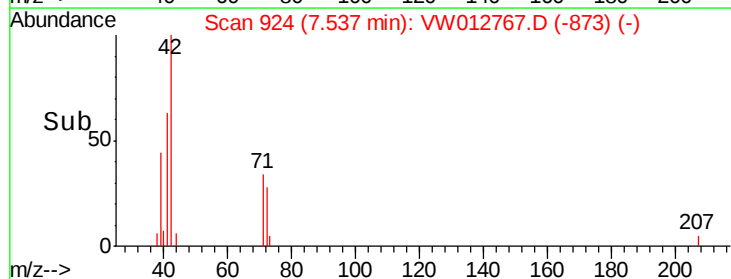
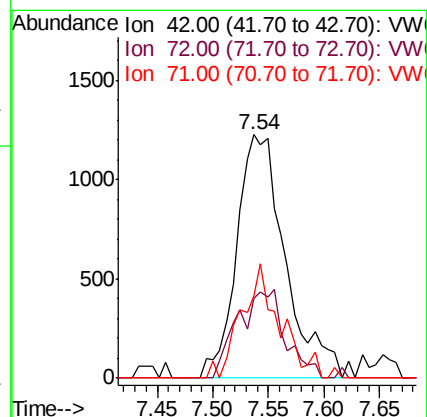
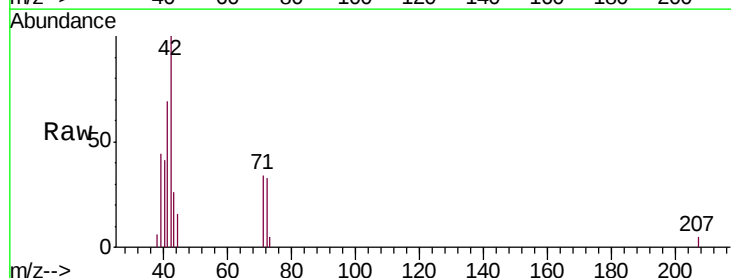
Tgt Ion: 42 Resp: 3726

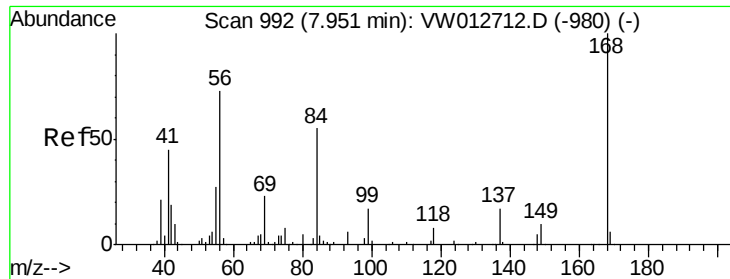
Ion Ratio Lower Upper

42 100

72 35.4 28.4 42.6

71 36.6 27.1 40.7

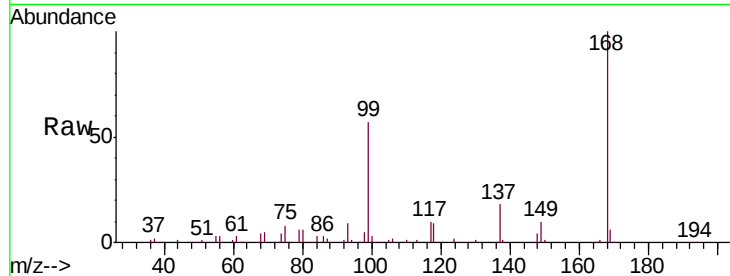




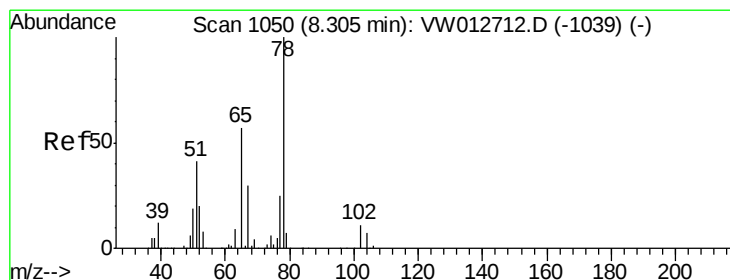
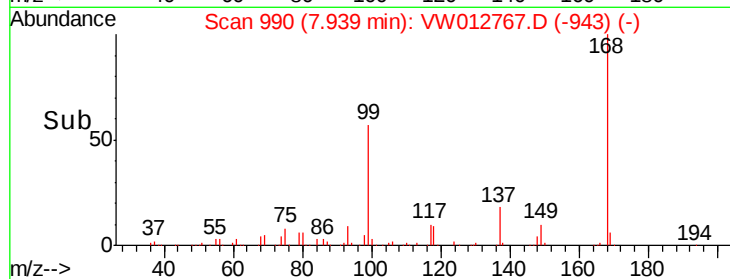
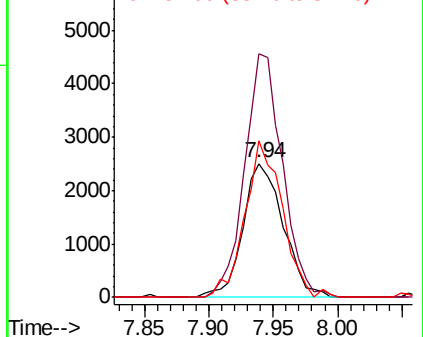
#31
Cyclohexane
Concen: 1.483 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(0)

Tgt Ion: 56 Resp: 5429
Ion Ratio Lower Upper
56 100
69 182.1 25.7 38.5#
84 117.5 60.4 90.6#

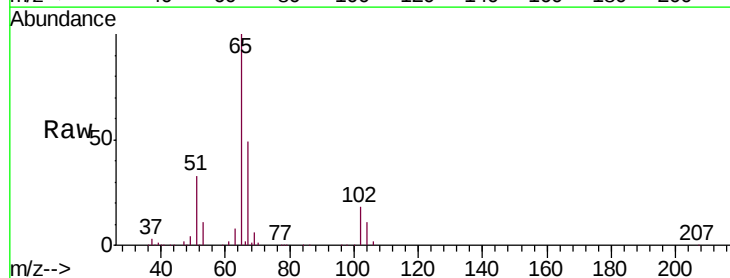


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

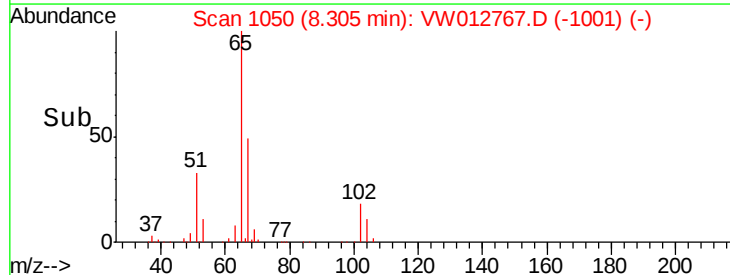
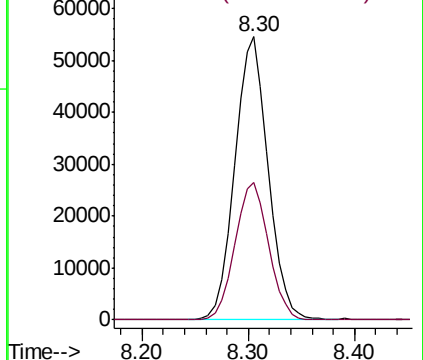


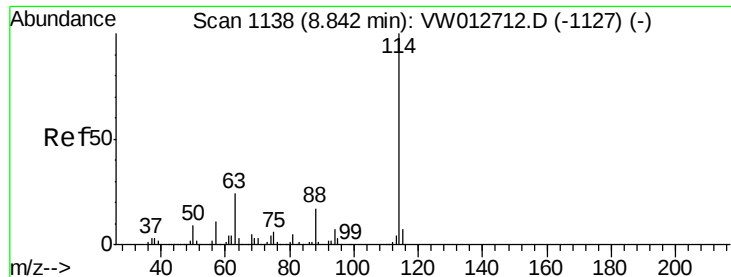
#33
1,2-Dichloroethane-d4
Concen: 47.935 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Tgt Ion: 65 Resp: 119349
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8



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

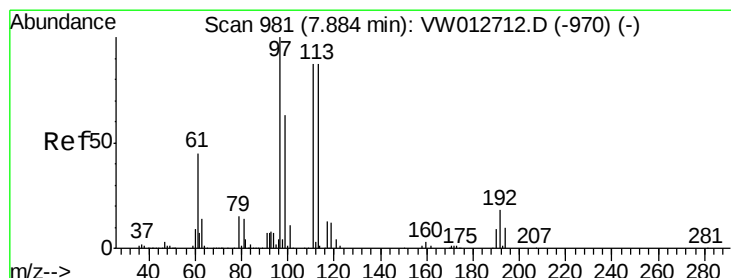
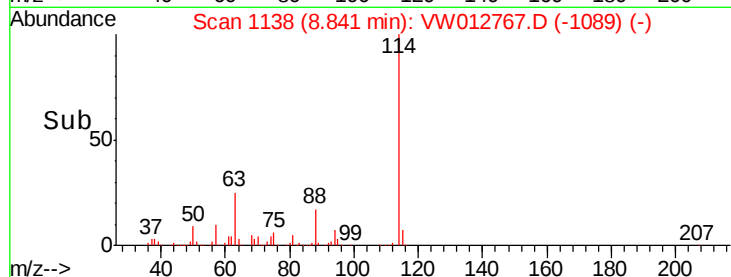
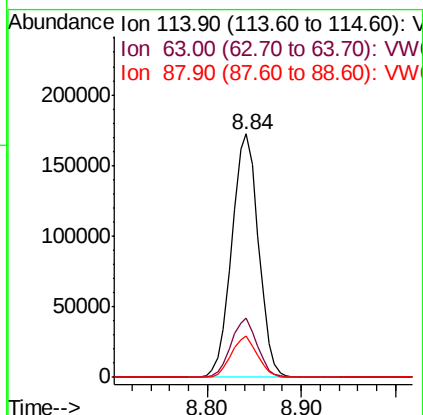
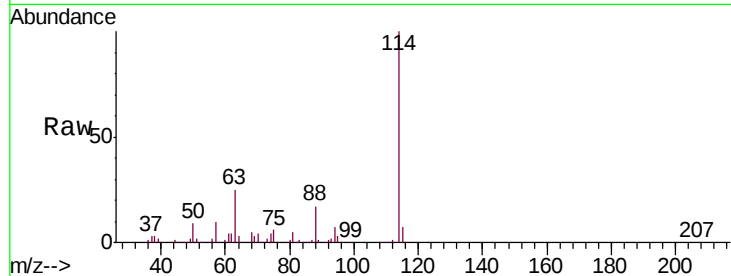




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012767.D
 Acq: 08 Sep 2019 14:19

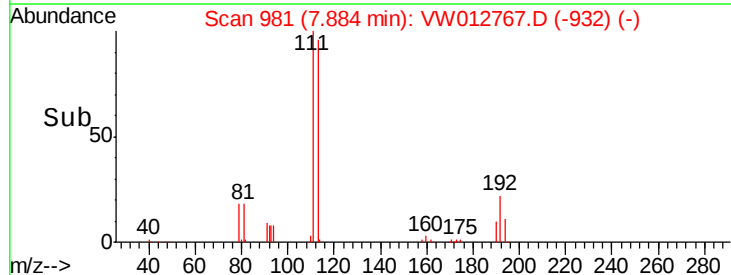
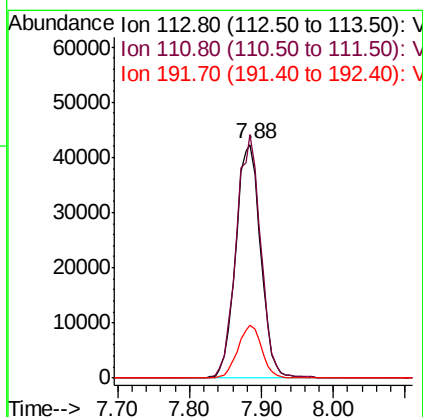
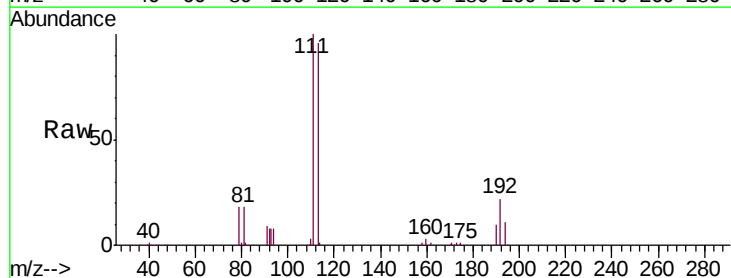
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E2-(0)

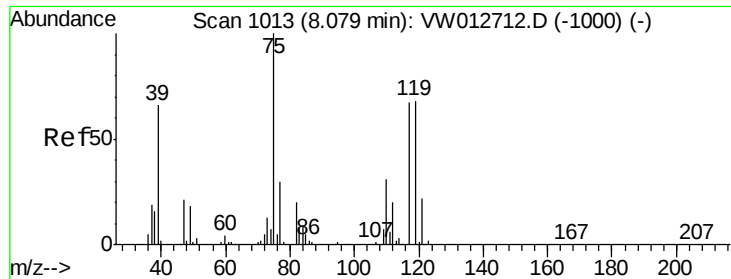
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	47.2
88	16.9	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 50.491 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012767.D
 Acq: 08 Sep 2019 14:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.2	120.4
192	21.6	17.3	25.9

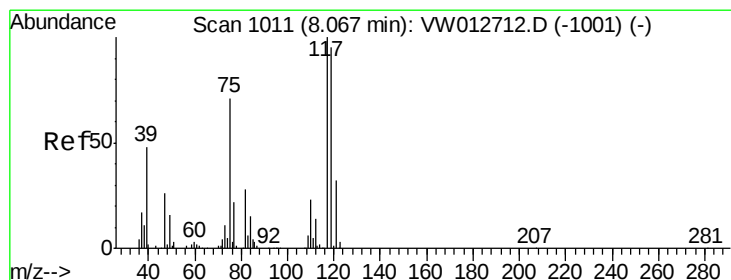
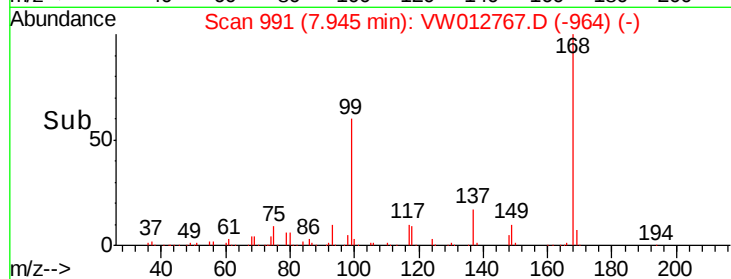
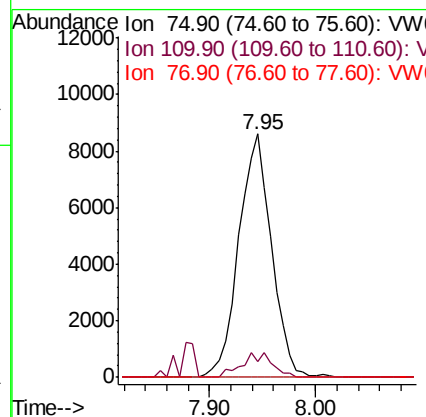
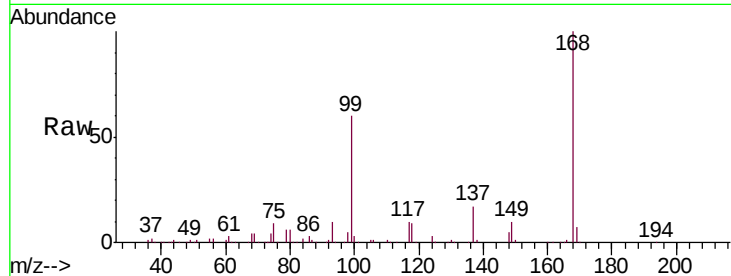




#36
 1,1-Dichloropropene
 Concen: 6.154 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012767.D
 Acq: 08 Sep 2019 14:19

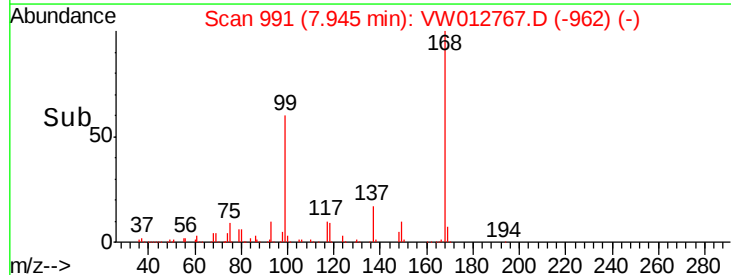
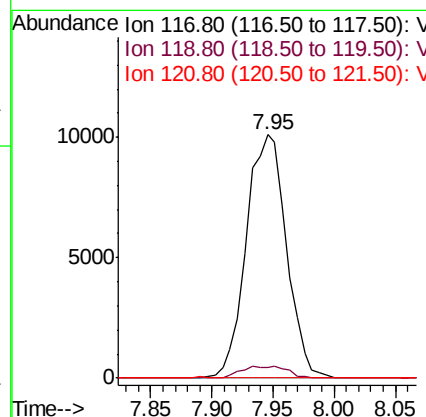
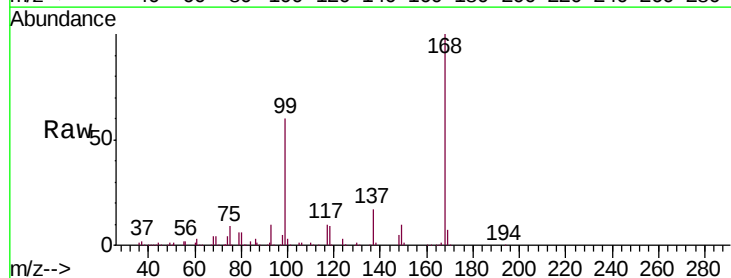
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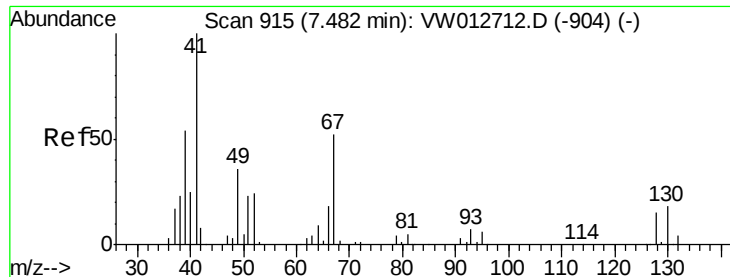
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.747 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012767.D
 Acq: 08 Sep 2019 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	25.4	38.2#

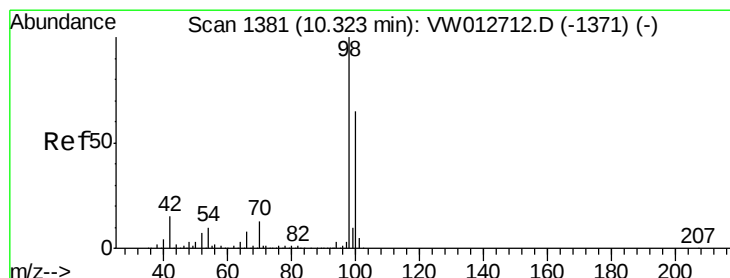
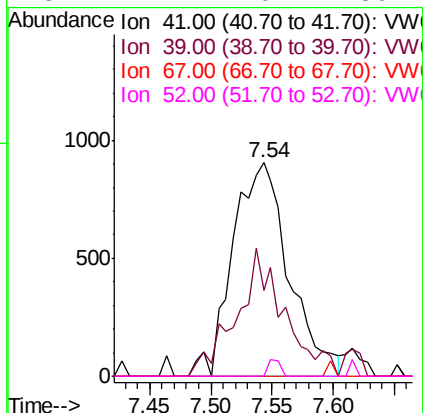
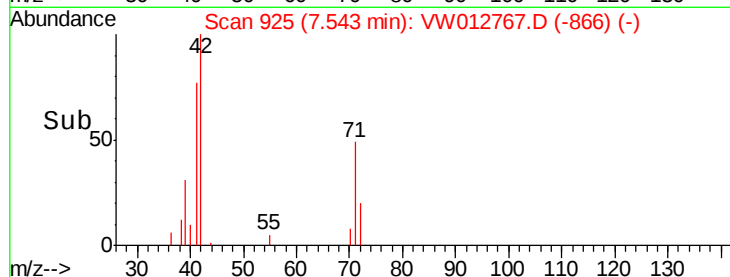
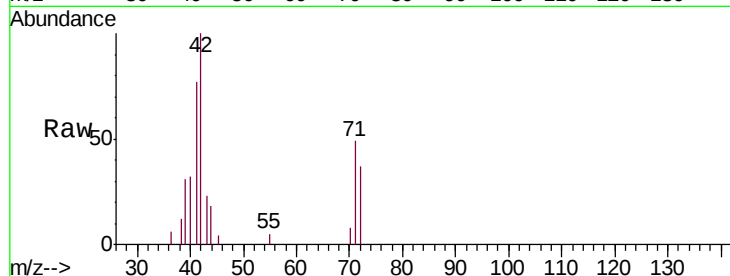




#41
Methacrylonitrile
Concen: 5.893 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

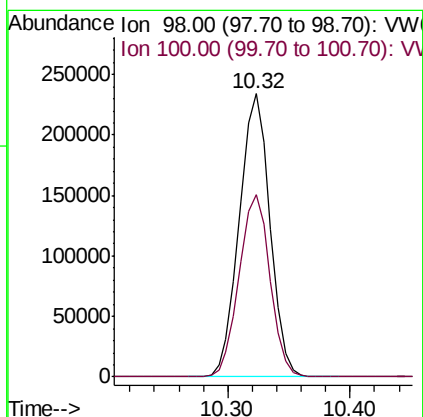
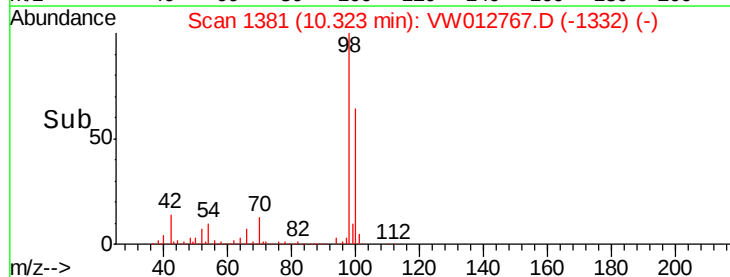
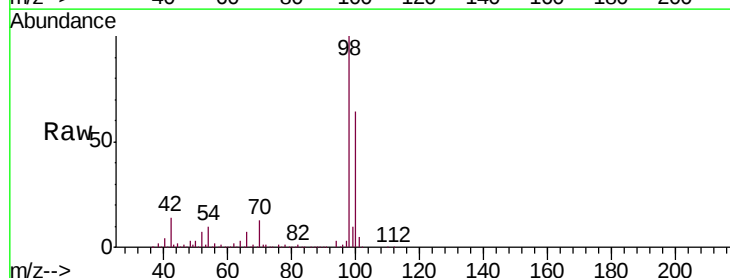
Instrument :
MSVOA_W
ClientSampled :
PAR-E2-(0)

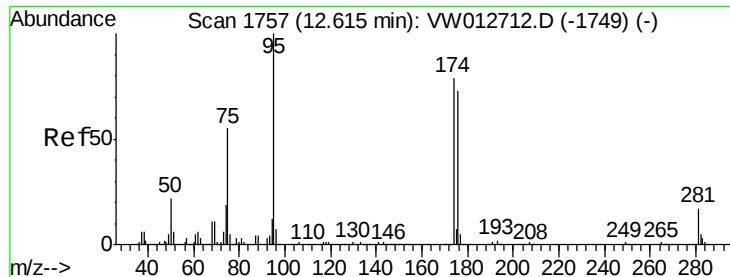
Tgt Ion: 41 Resp: 2907
Ion Ratio Lower Upper
41 100
39 50.5 47.5 71.3
67 0.0 45.1 67.7#
52 1.7 20.2 30.2#



#50
Toluene-d8
Concen: 51.570 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Tgt Ion: 98 Resp: 407549
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.343 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(0)

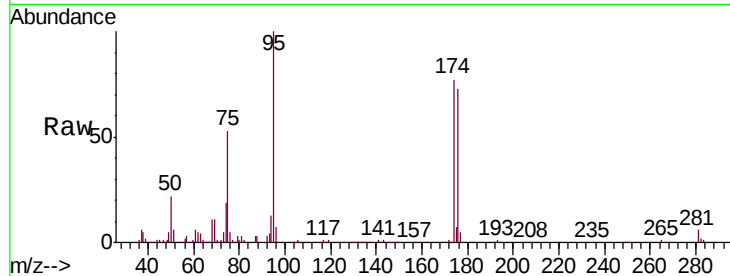
Tgt Ion: 95 Resp: 124351

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.0

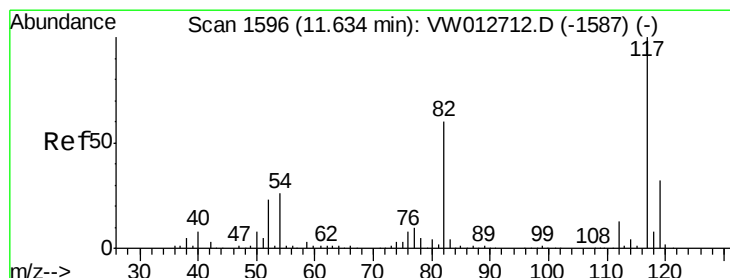
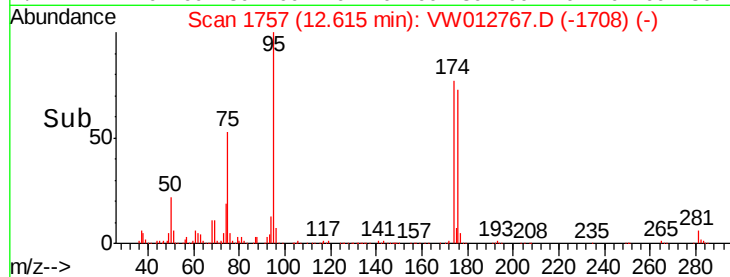
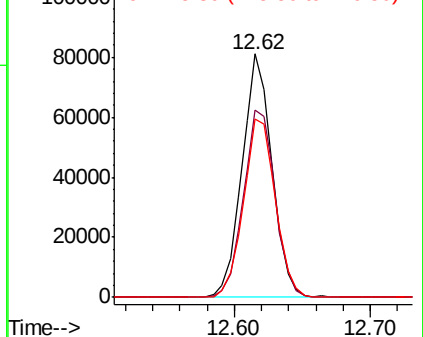
176 78.3 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012767.D

Acq: 08 Sep 2019 14:19

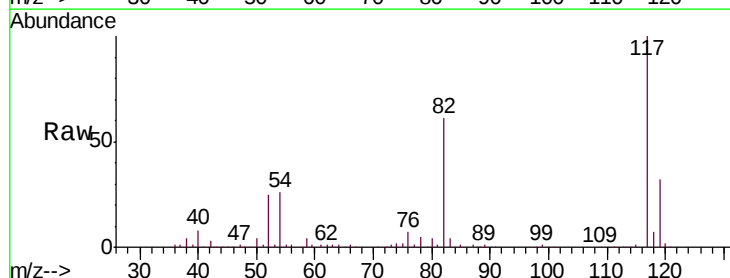
Tgt Ion: 117 Resp: 278803

Ion Ratio Lower Upper

117 100

82 60.5 48.2 72.4

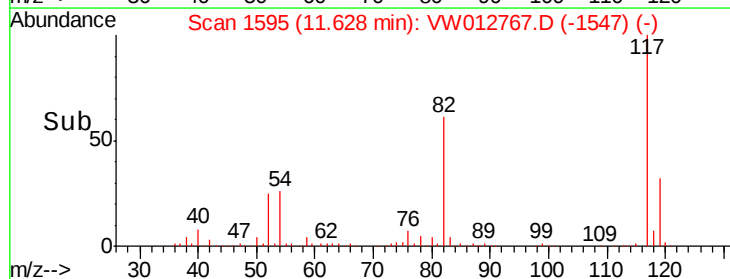
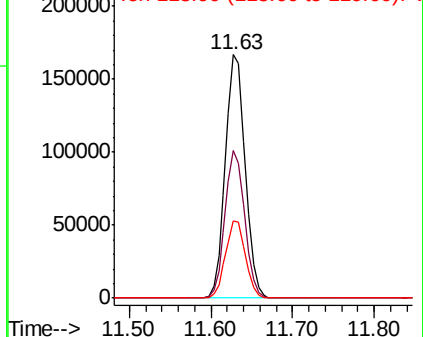
119 31.7 25.8 38.6

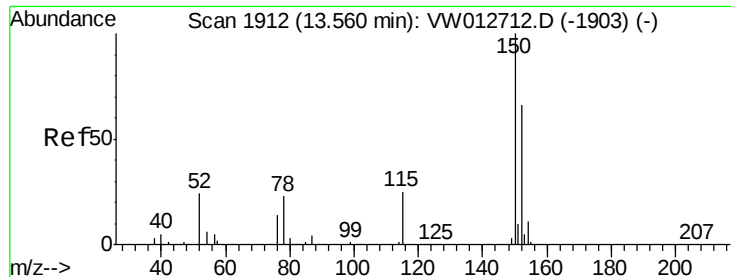


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



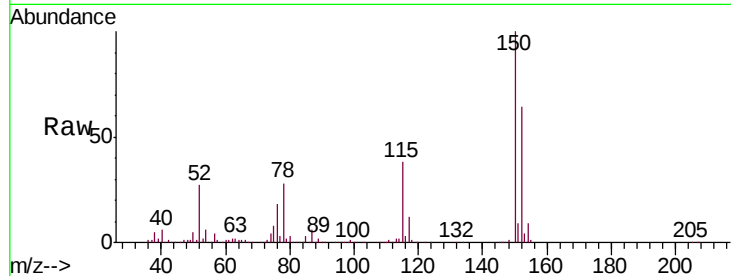


#72

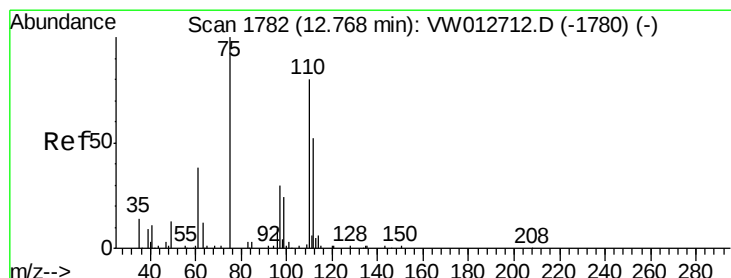
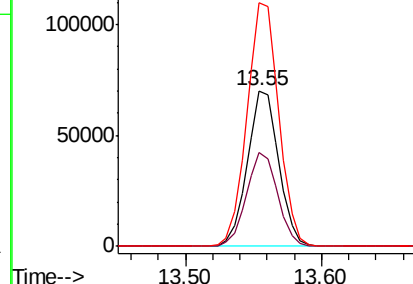
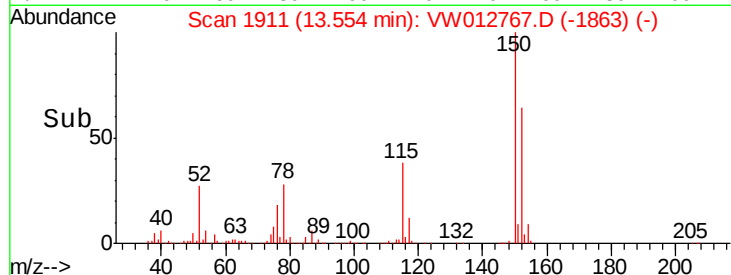
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(0)

Tgt Ion:152 Resp: 113260
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.1
150 158.3 0.0 349.0



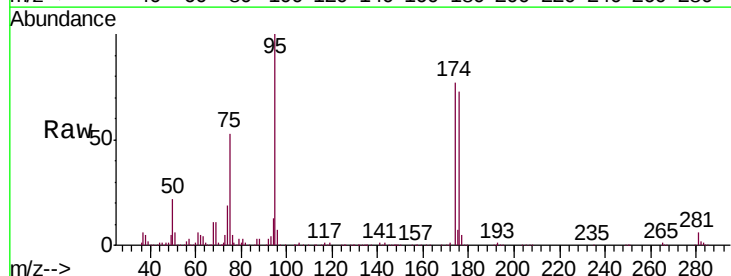
Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



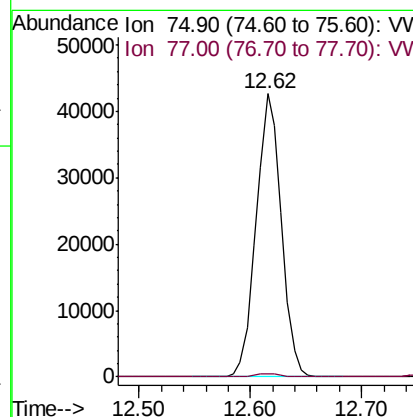
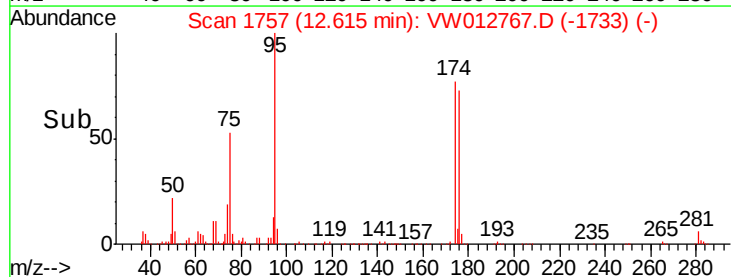
#76

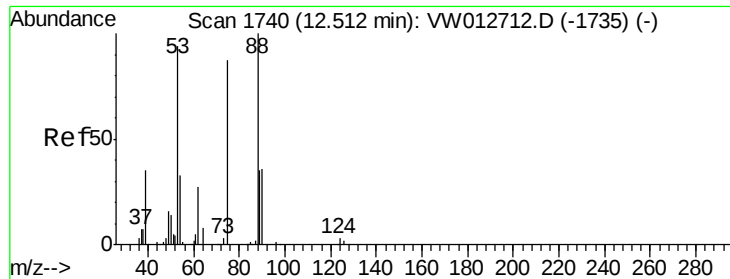
1,2,3-Trichloropropane
Concen: 58.113 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Tgt Ion: 75 Resp: 67303
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
50000 Ion 77.00 (76.70 to 77.70): VW

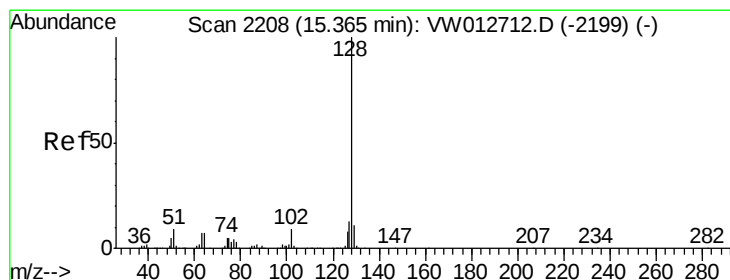
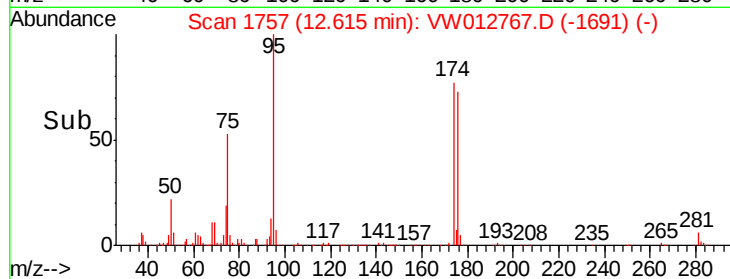
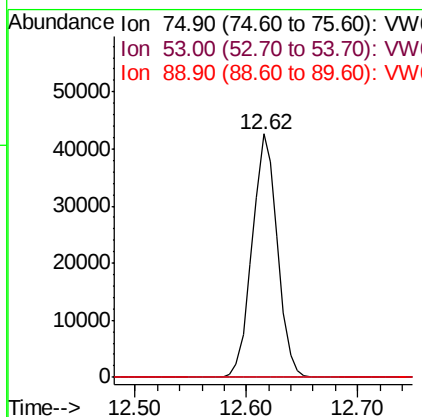
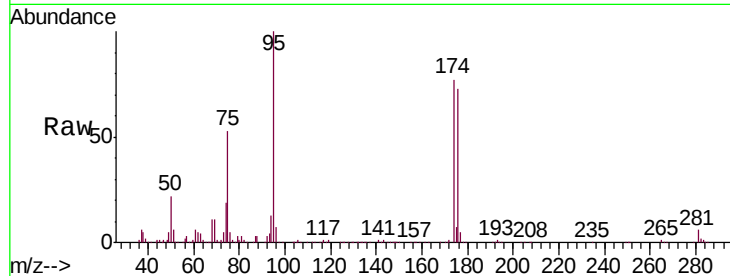




#81
trans-1,4-Dichloro-2-butene
Concen: 122.914 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(0)

Tgt Ion: 75 Resp: 67303
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.584 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012767.D
Acq: 08 Sep 2019 14:19

Tgt Ion: 128 Resp: 756
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.1 8.7 13.1

