

Data File : VW012827.D
Acq On : 09 Sep 2019 17:41
Operator : SY/VA
Sample : K4623-16
Misc : 3.19G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(4)

Quant Time: Sep 10 07:01:58 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	222730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	88544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116202	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	96123	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.32	98	378632	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.62	95	112582	39.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.22%	

Target Compounds

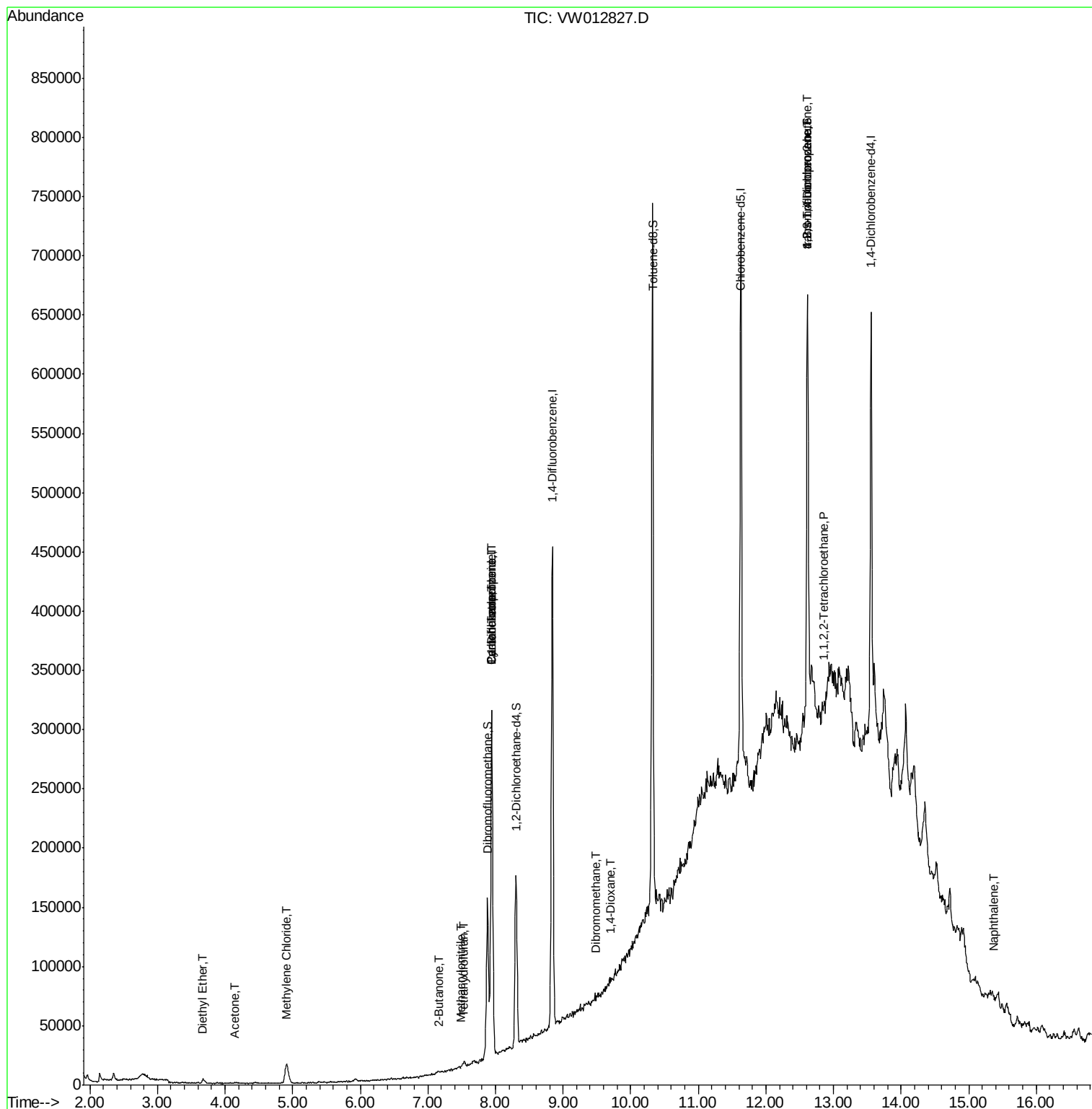
						Qvalue
8) Diethyl Ether	3.67	74	1762	1.688	ug/l	83
16) Acetone	4.15	43	1863	2.746	ug/l #	60
20) Methylene Chloride	4.91	84	12994	6.122	ug/l #	92
25) 2-Butanone	7.15	43	38	19.715	ug/l #	53
29) Tetrahydrofuran	7.54	42	4171	7.613	ug/l #	86
31) Cyclohexane	7.95	56	4790	1.309	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16057	5.376	ug/l #	64
38) Carbon Tetrachloride	7.94	117	21570	7.327	ug/l #	16
41) Methacrylonitrile	7.49	41	220	3.996	ug/l #	66
46) Dibromomethane	9.48	93	1433	1.317	ug/l #	41
49) 1,4-Dioxane	9.71	88	23	1.070	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.85	83	1788	1.402	ug/l	65
76) 1,2,3-Trichloropropane	12.62	75	55948	61.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55948	130.698	ug/l #	8
95) Naphthalene	15.37	128	382	4.533	ug/l #	14

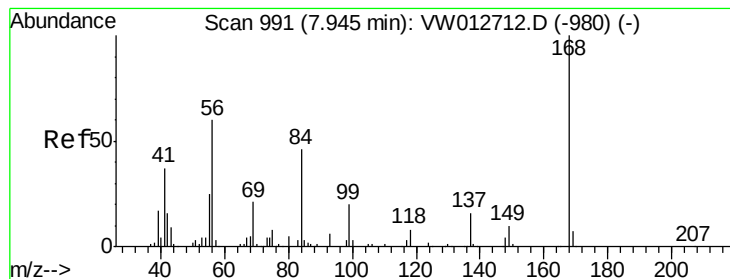
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012827.D
Acq On : 09 Sep 2019 17:41
Operator : SY/VA
Sample : K4623-16
Misc : 3.19G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(4)

Quant Time: Sep 10 07:01:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

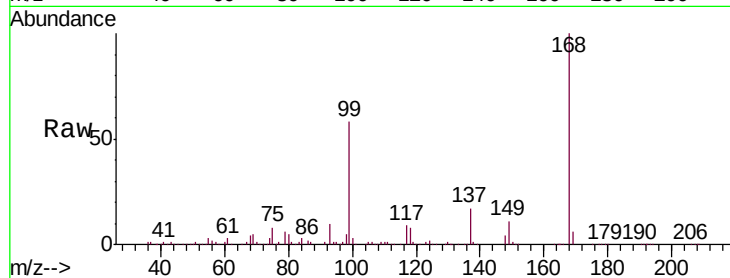
PAR-11-D4-(4)

Tgt Ion:168 Resp: 222730

Ion Ratio Lower Upper

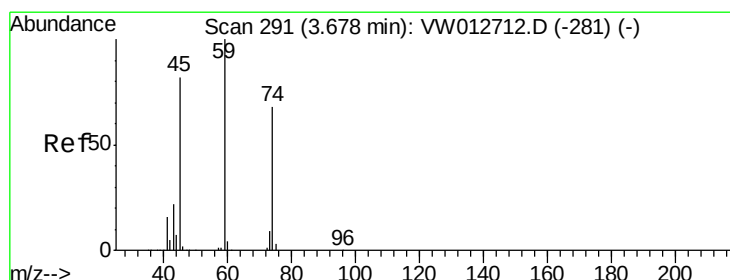
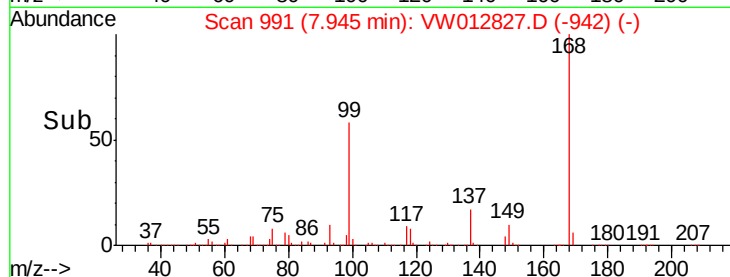
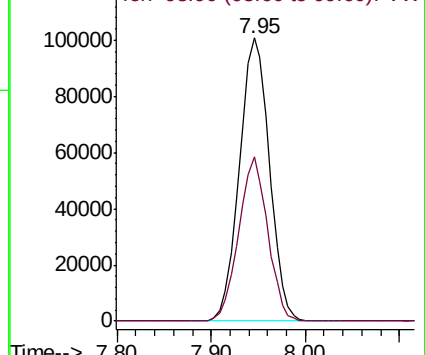
168 100

99 57.9 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: 1.688 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012827.D

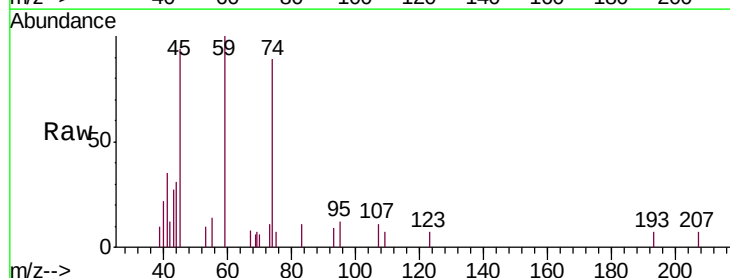
Acq: 09 Sep 2019 17:41

Tgt Ion: 74 Resp: 1762

Ion Ratio Lower Upper

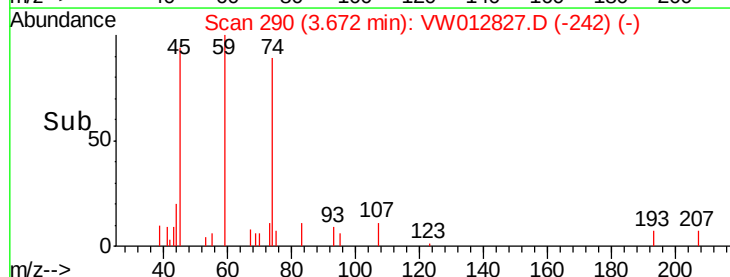
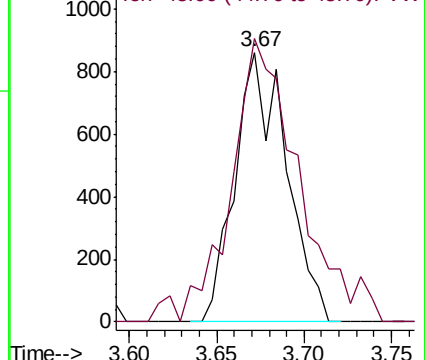
74 100

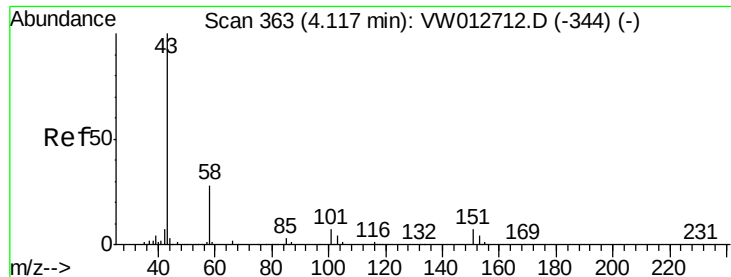
45 136.4 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

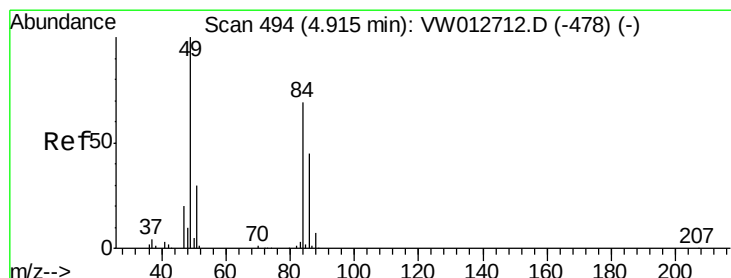
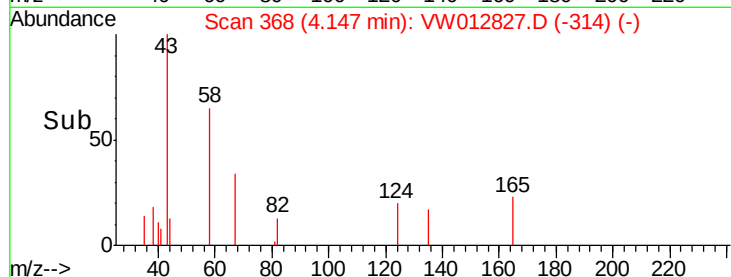
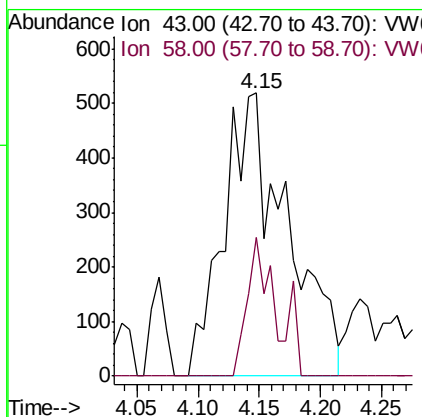
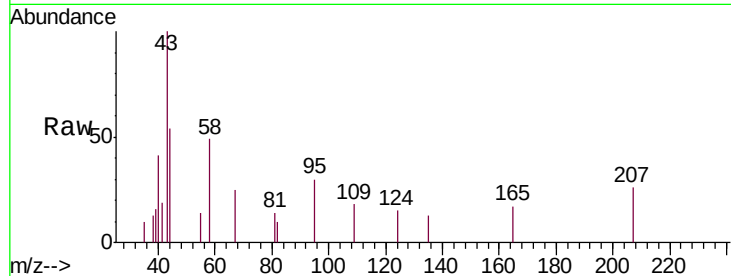




#16
 Acetone
 Concen: 2.746 ug/l
 RT: 4.15 min Scan# 368
 Delta R.T. 0.03 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

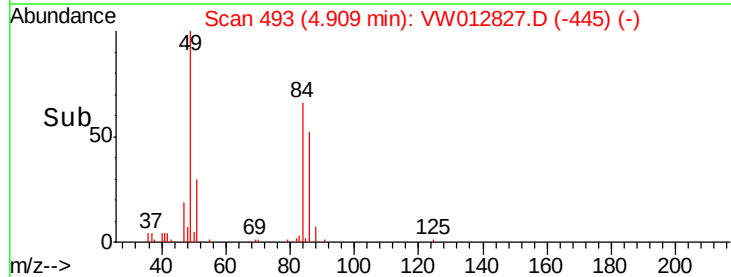
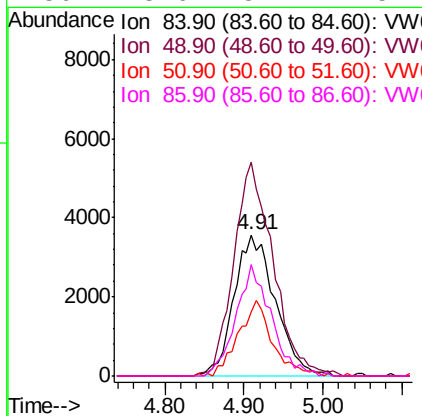
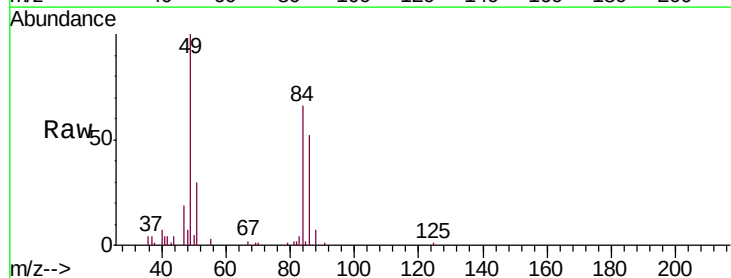
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D4-(4)

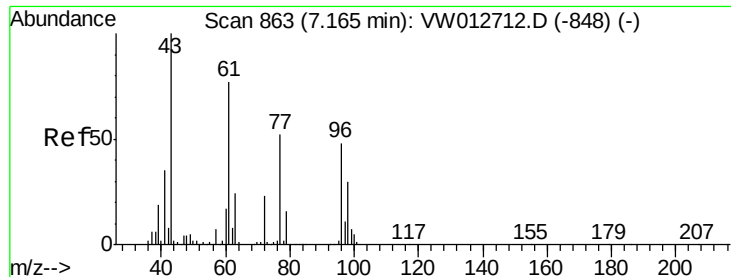
Tgt Ion: 43 Resp: 1863
 Ion Ratio Lower Upper
 43 100
 58 49.1 22.6 33.8#



#20
 Methylene Chloride
 Concen: 6.122 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

Tgt Ion: 84 Resp: 12994
 Ion Ratio Lower Upper
 84 100
 49 151.3 115.4 173.0
 51 45.1 34.9 52.3
 86 78.6 52.2 78.4#





#25

2-Butanone

Concen: 19.715 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

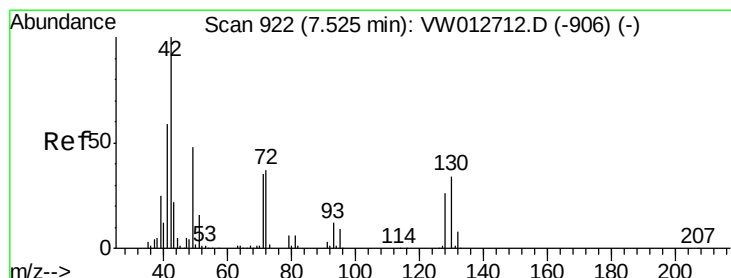
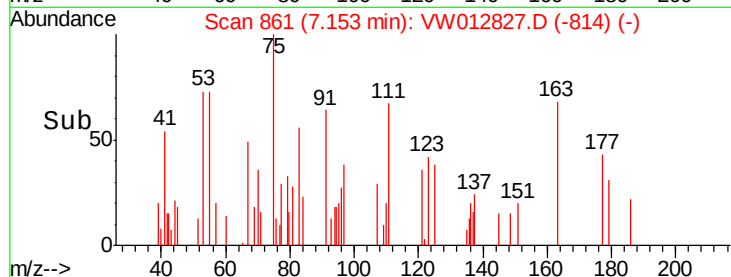
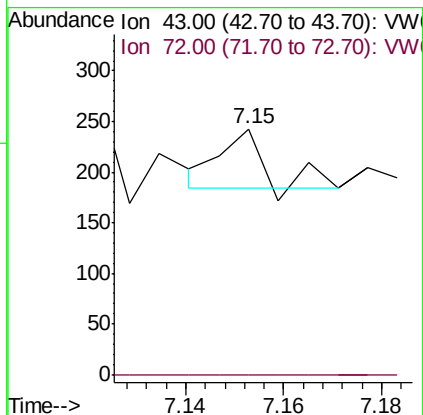
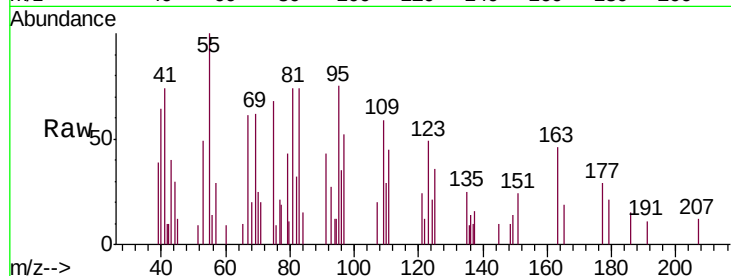
PAR-11-D4-(4)

Tgt Ion: 43 Resp: 38

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 7.613 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

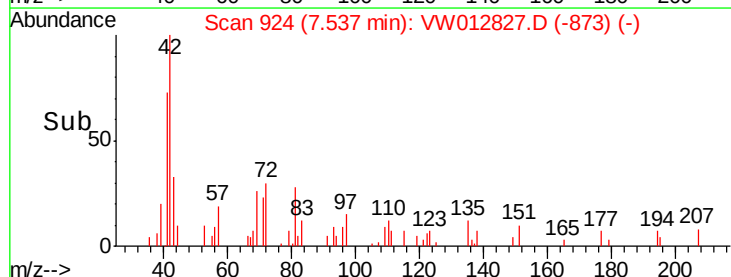
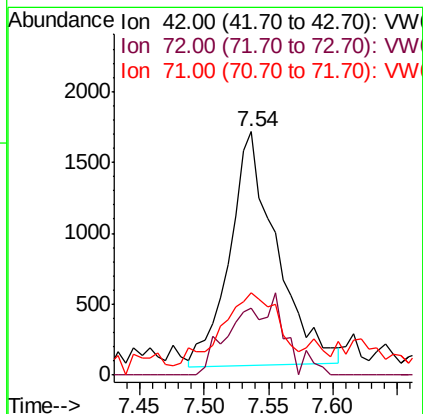
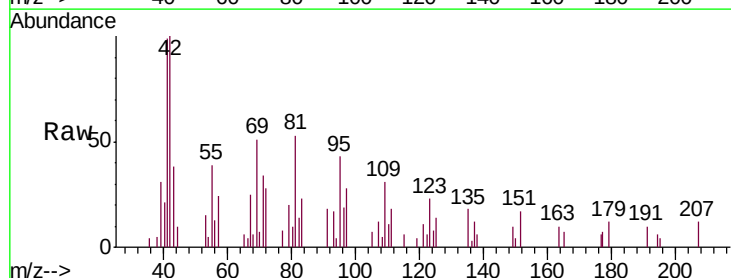
Tgt Ion: 42 Resp: 4171

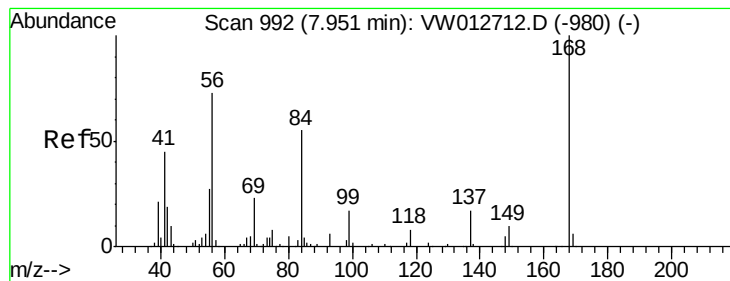
Ion Ratio Lower Upper

42 100

72 22.1 28.4 42.6#

71 36.8 27.1 40.7





#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D4-(4)

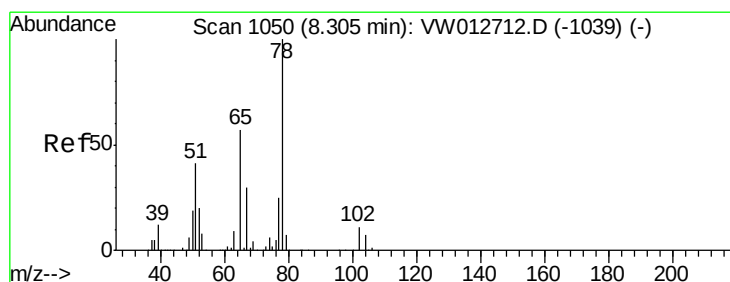
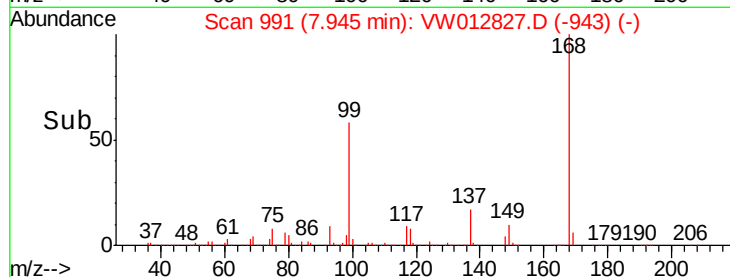
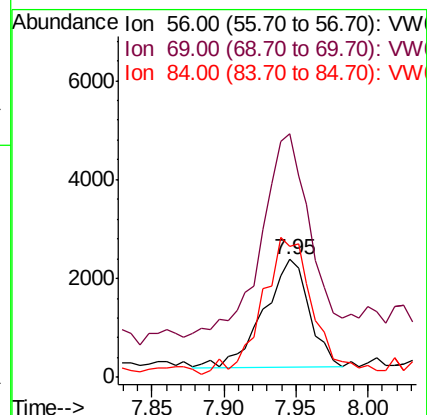
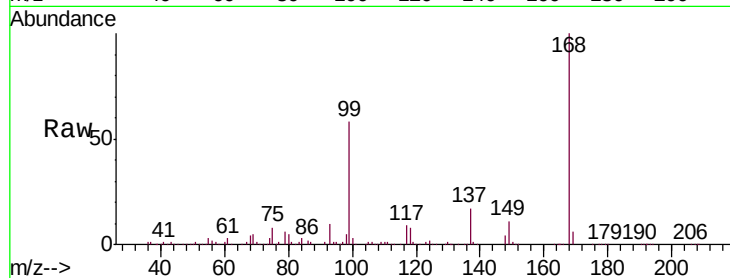
Tgt Ion: 56 Resp: 4790

Ion Ratio Lower Upper

56 100

69 186.1 25.7 38.5#

84 113.4 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 46.693 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012827.D

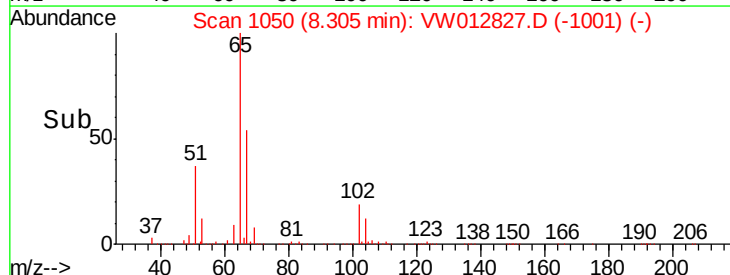
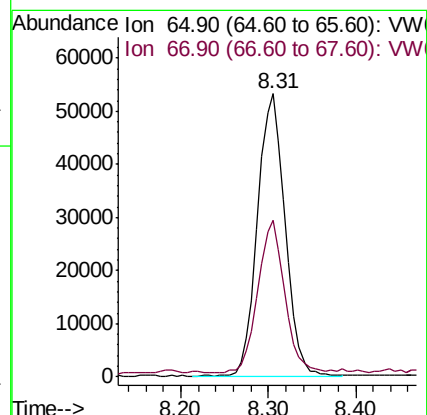
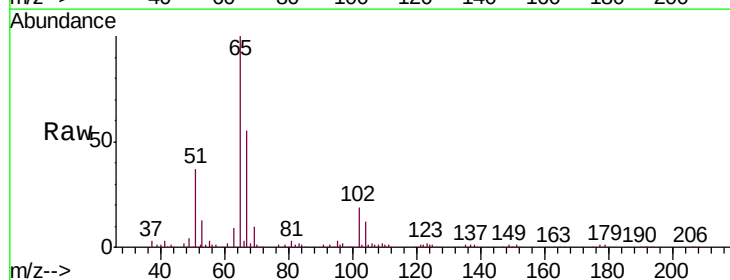
Acq: 09 Sep 2019 17:41

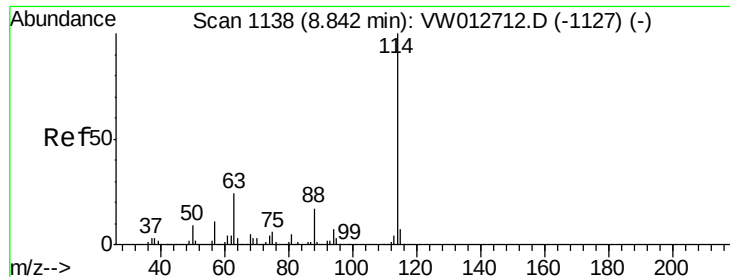
Tgt Ion: 65 Resp: 116202

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8

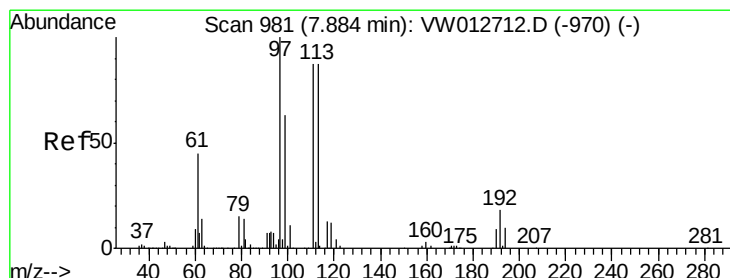
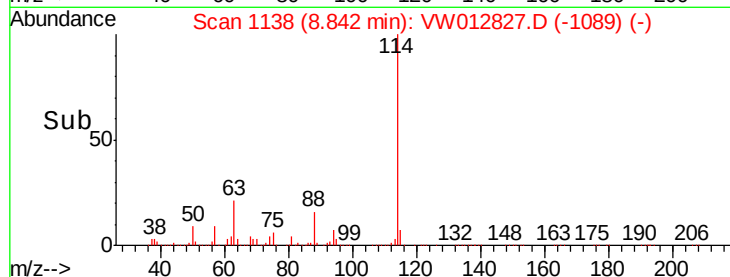
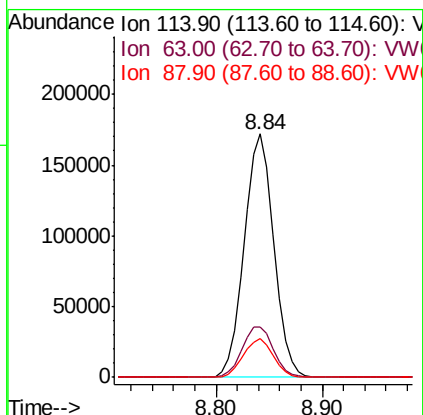
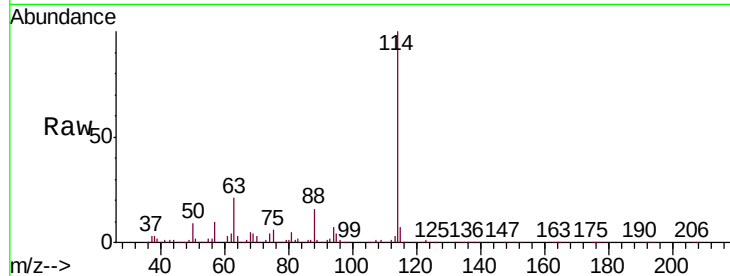




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

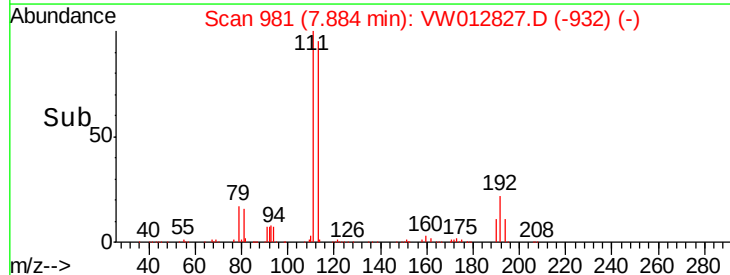
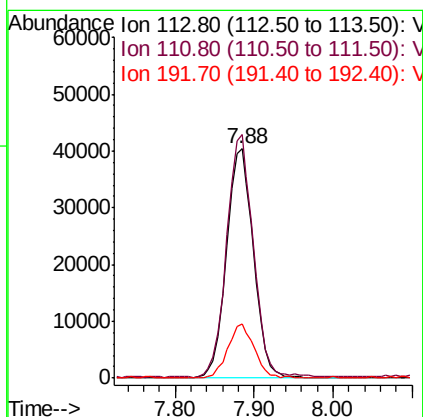
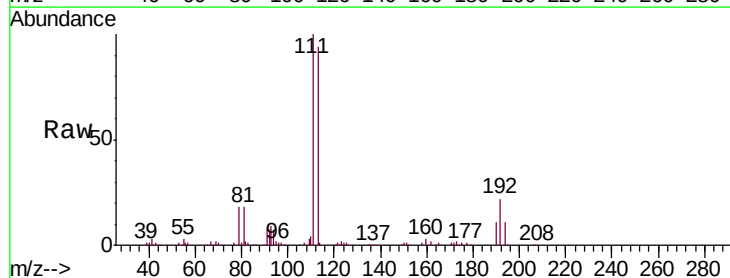
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D4-(4)

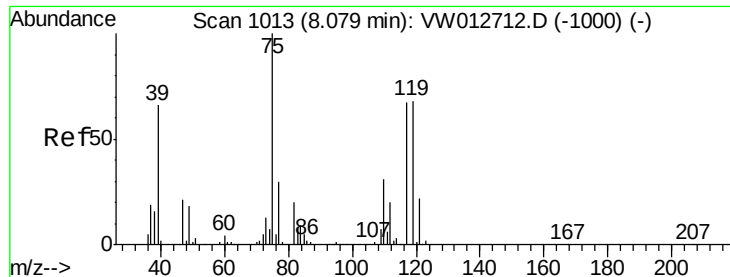
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	47.2
88	16.1	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 48.100 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.2	120.4
192	23.3	17.3	25.9

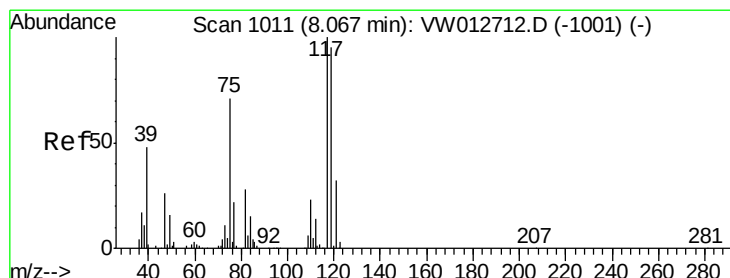
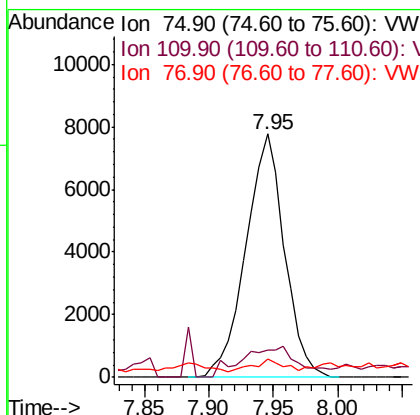
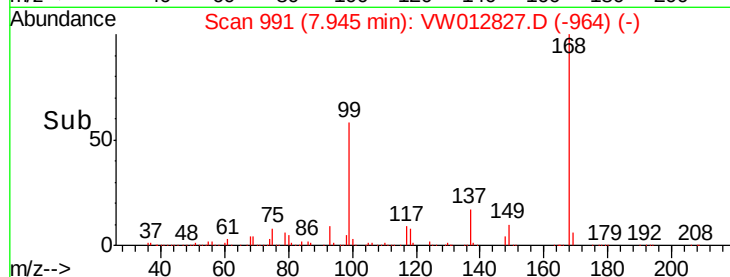
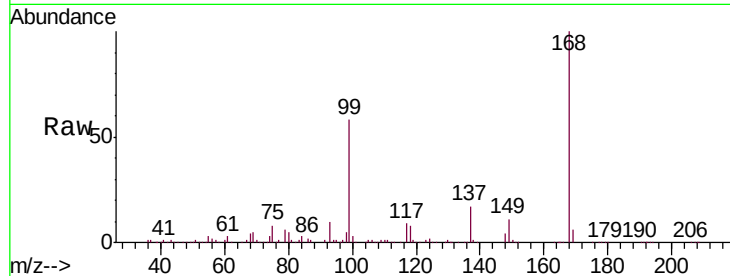




#36
 1,1-Dichloropropene
 Concen: 5.376 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

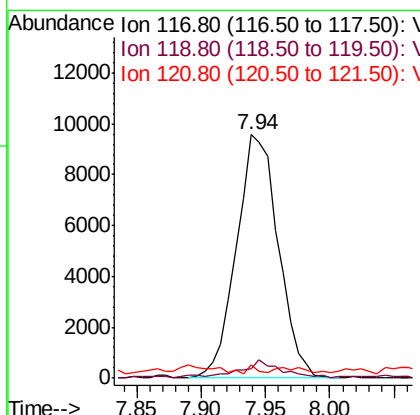
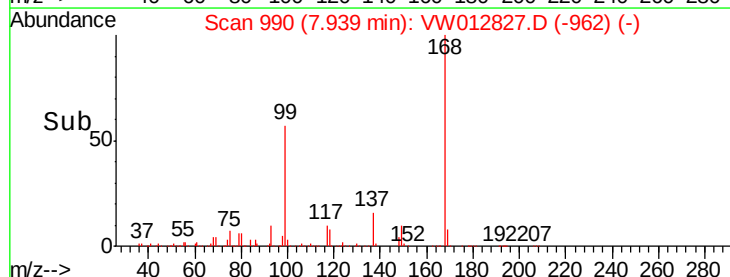
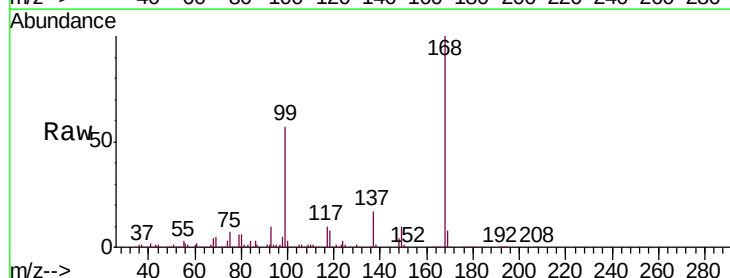
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D4-(4)

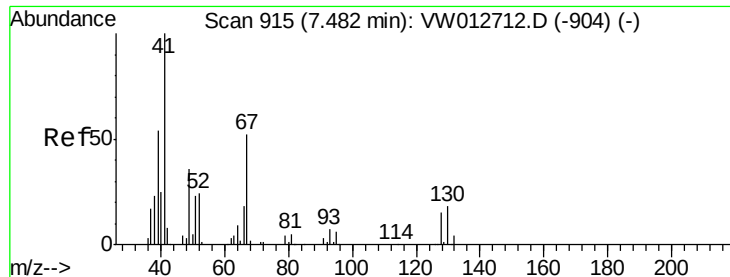
Tgt Ion: 75 Resp: 16057
 Ion Ratio Lower Upper
 75 100
 110 19.2 15.9 47.7
 77 3.8 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.327 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

Tgt Ion: 117 Resp: 21570
 Ion Ratio Lower Upper
 117 100
 119 2.7 76.2 114.2#
 121 2.7 25.4 38.2#

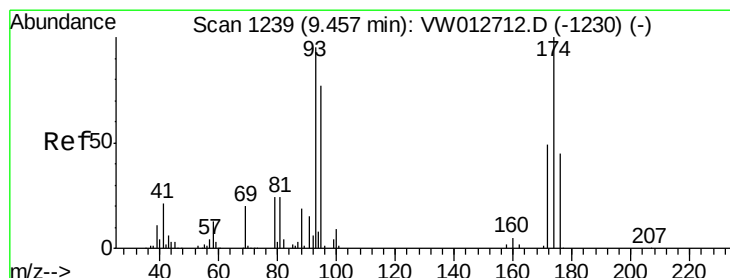
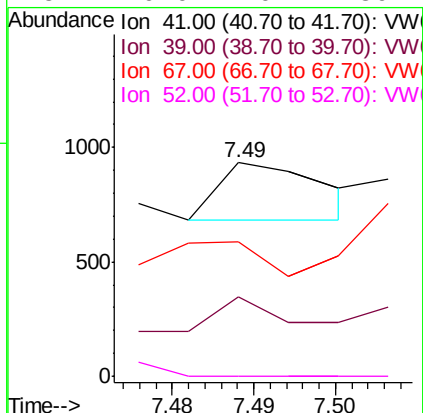
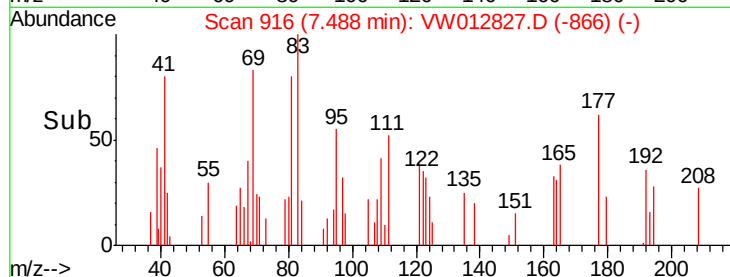
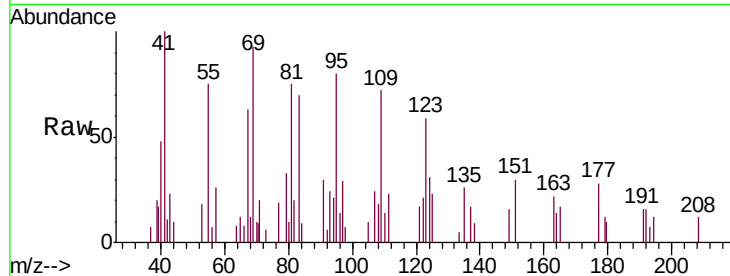




#41
Methacrylonitrile
Concen: 3.996 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012827.D
Acq: 09 Sep 2019 17:41

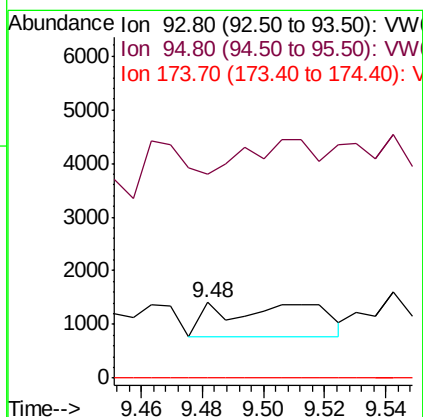
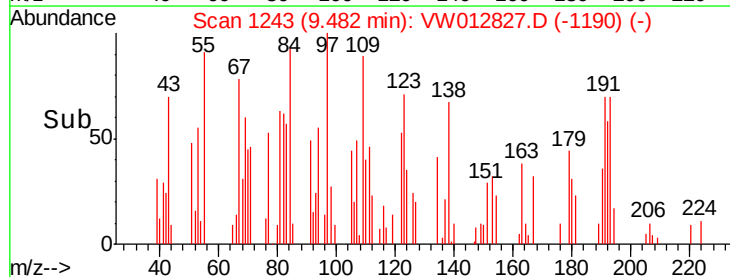
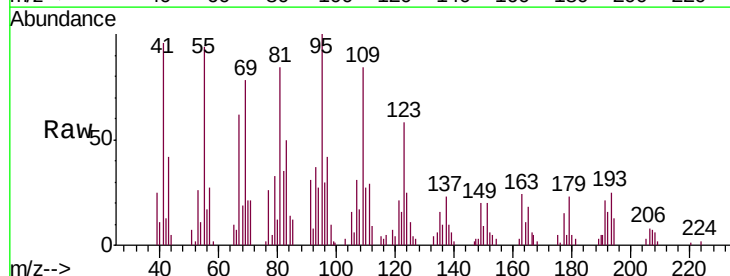
Instrument :
MSVOA_W
ClientSampled :
PAR-11-D4-(4)

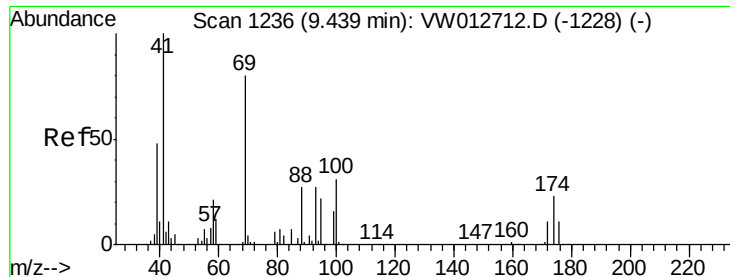
Tgt Ion: 41 Resp: 220
Ion Ratio Lower Upper
41 100
39 38.6 47.5 71.3#
67 80.5 45.1 67.7#
52 0.0 20.2 30.2#



#46
Dibromomethane
Concen: 1.317 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.02 min
Lab File: VW012827.D
Acq: 09 Sep 2019 17:41

Tgt Ion: 93 Resp: 1433
Ion Ratio Lower Upper
93 100
95 79.0 65.2 97.8
174 0.0 84.2 126.4#

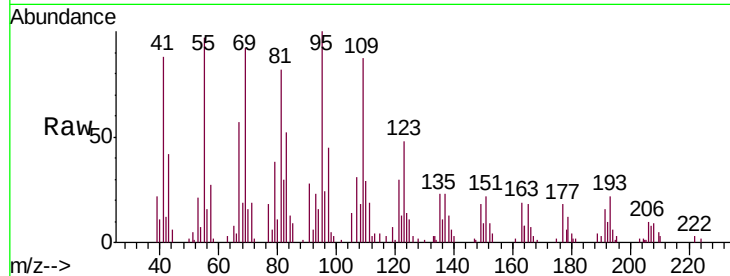




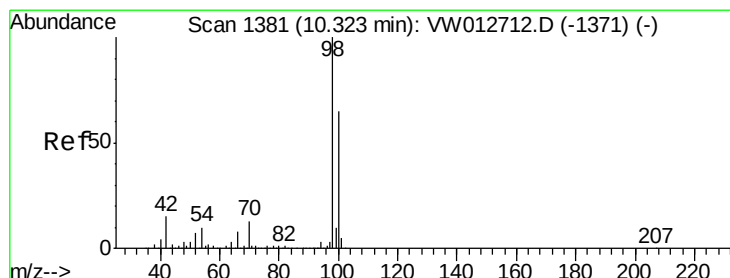
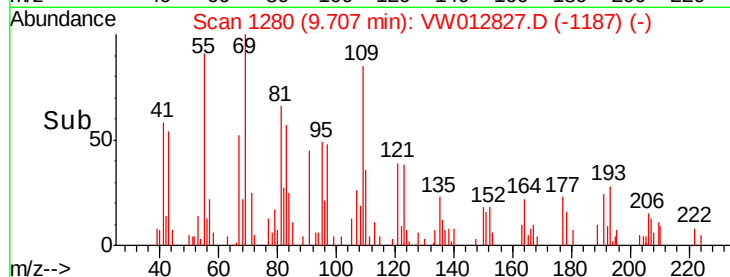
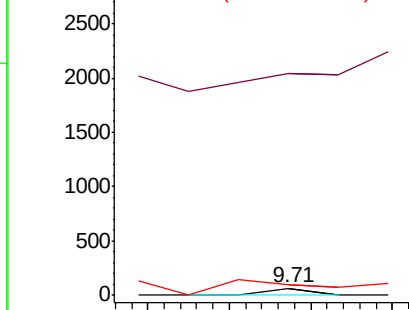
#49
1,4-Dioxane
Concen: 1.070 ug/l
RT: 9.71 min Scan# 1280
Delta R.T. 0.27 min
Lab File: VW012827.D
Acq: 09 Sep 2019 17:41

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(4)

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 495.7 64.1 96.1#

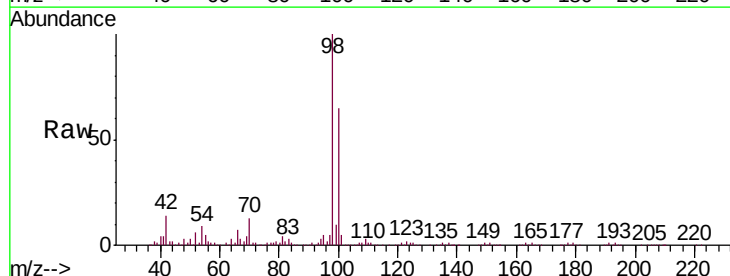


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

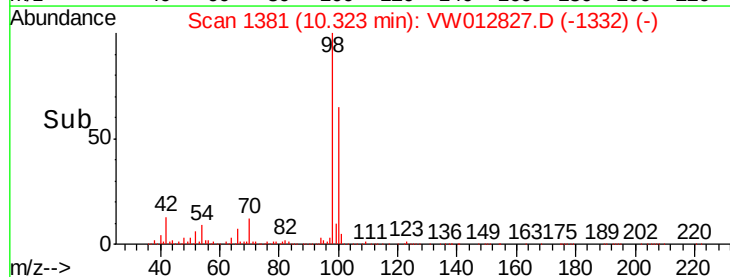
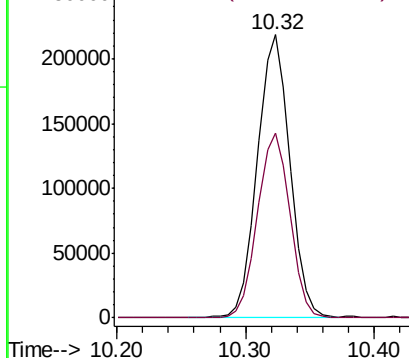


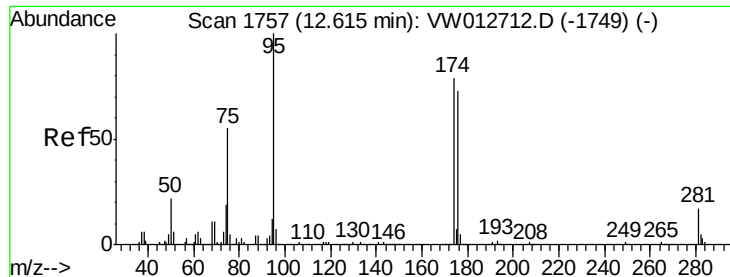
#50
Toluene-d8
Concen: 48.362 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012827.D
Acq: 09 Sep 2019 17:41

Tgt Ion: 98 Resp: 378632
Ion Ratio Lower Upper
98 100
100 65.6 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: 39.610 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D4-(4)

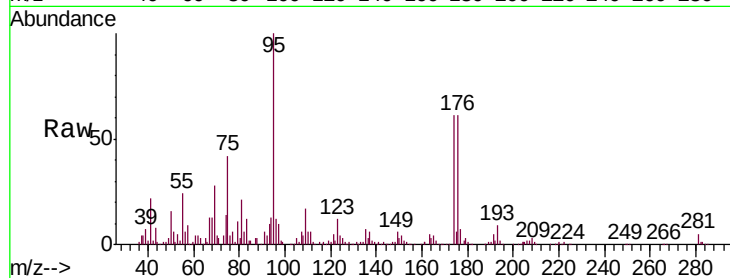
Tgt Ion: 95 Resp: 112582

Ion Ratio Lower Upper

95 100

174 78.2 0.0 161.0

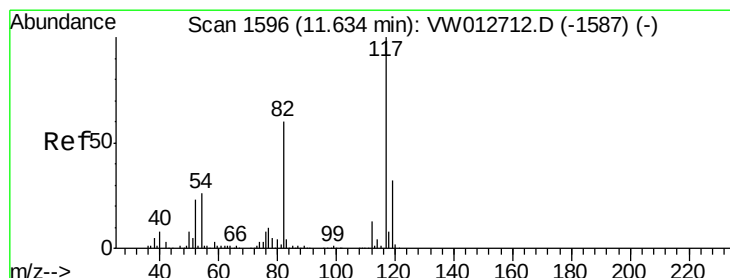
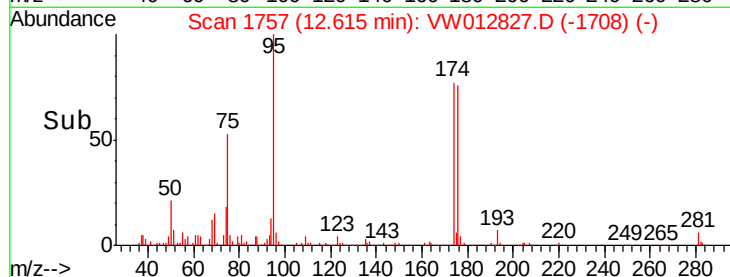
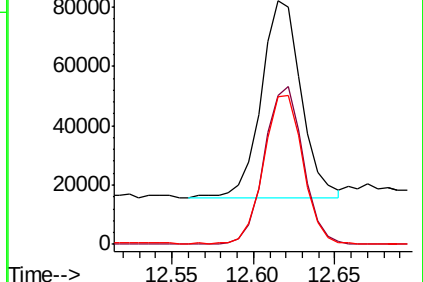
176 75.4 0.0 156.4



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: VW012827.D

Acq: 09 Sep 2019 17:41

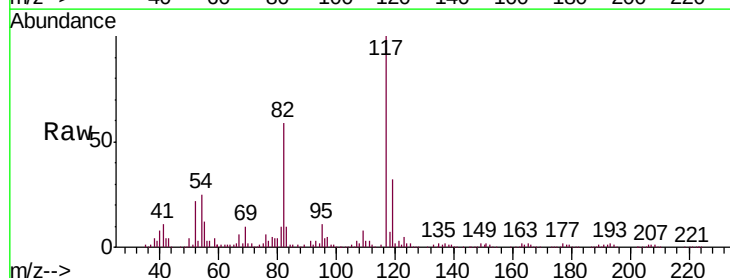
Tgt Ion: 117 Resp: 249070

Ion Ratio Lower Upper

117 100

82 57.0 48.2 72.4

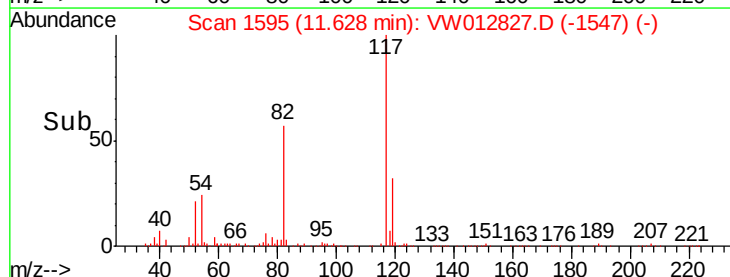
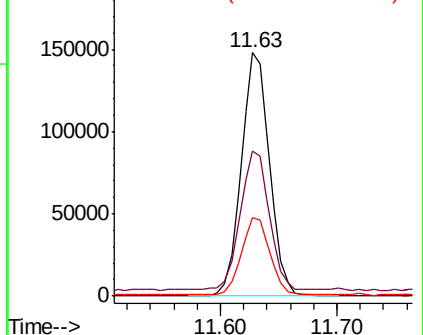
119 31.9 25.8 38.6

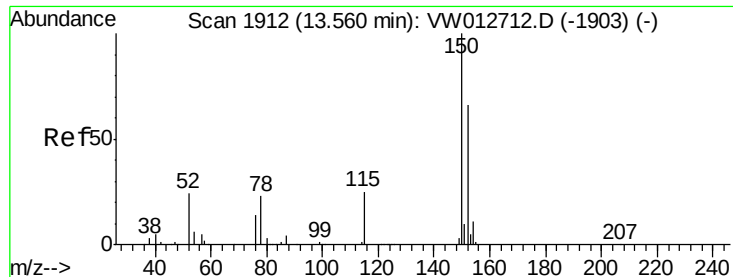


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

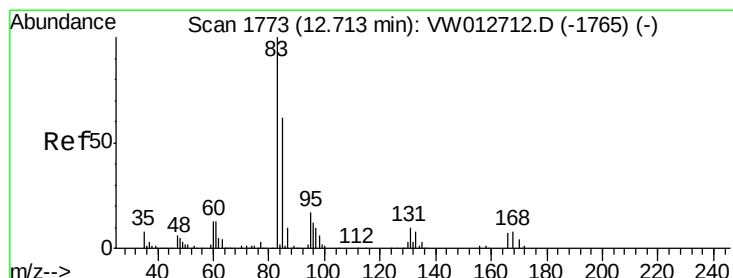
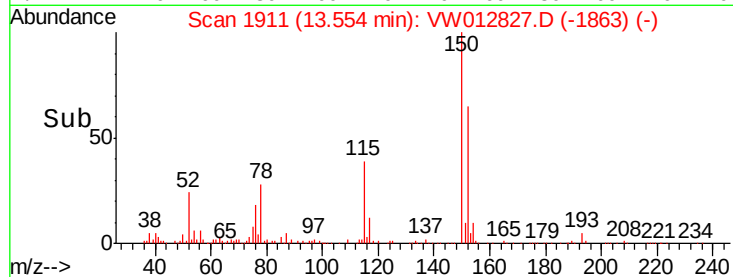
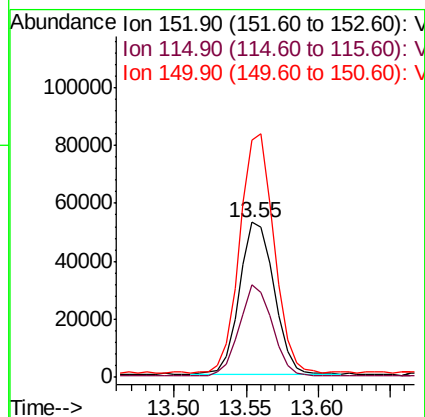
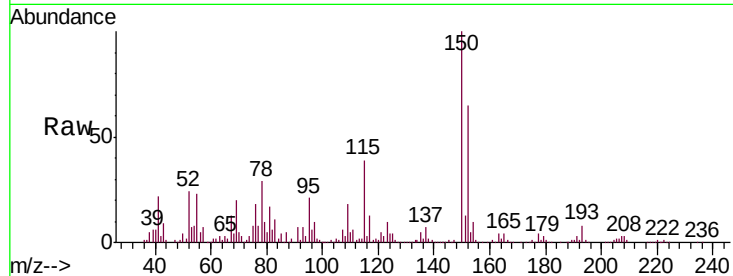




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

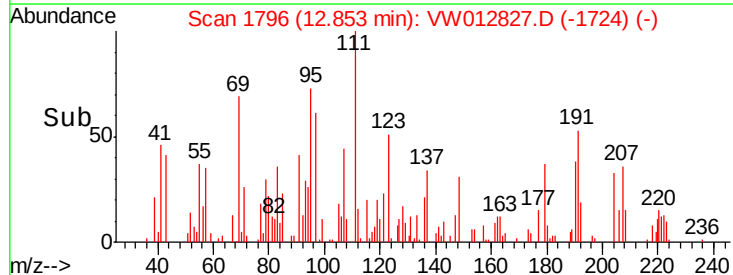
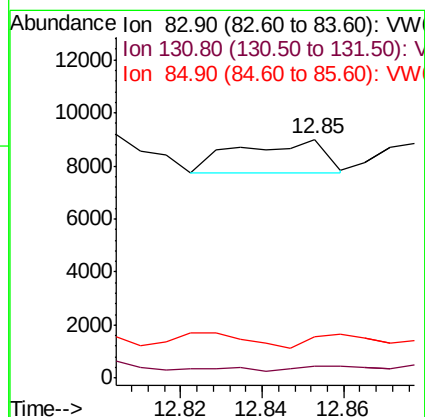
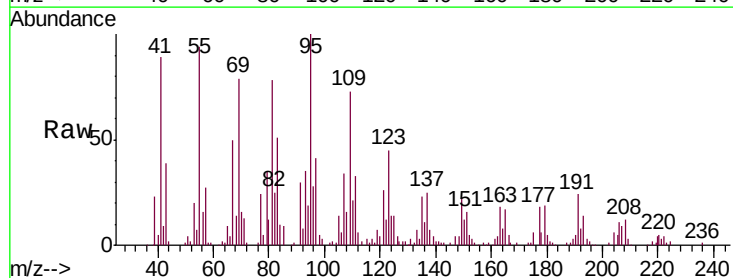
Instrument :
 MSVOA_W
 ClientSampled :
 PAR-11-D4-(4)

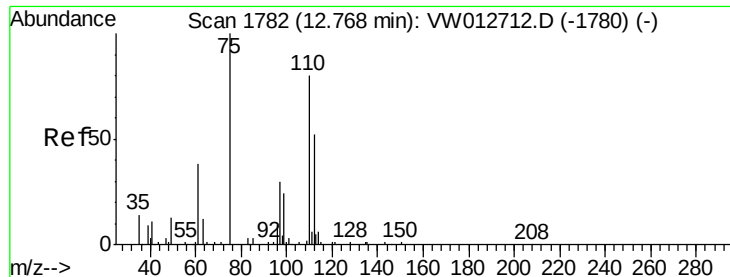
Tgt Ion: 152 Resp: 88544
 Ion Ratio Lower Upper
 152 100
 115 55.9 30.0 90.1
 150 152.6 0.0 349.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.402 ug/l
 RT: 12.85 min Scan# 1796
 Delta R.T. 0.14 min
 Lab File: VW012827.D
 Acq: 09 Sep 2019 17:41

Tgt Ion: 83 Resp: 1788
 Ion Ratio Lower Upper
 83 100
 131 12.4 5.1 15.4
 85 32.2 31.4 94.2





#76

1,2,3-Trichloropropane

Concen: 61.794 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

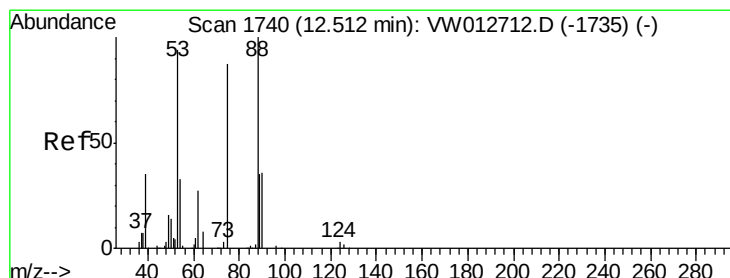
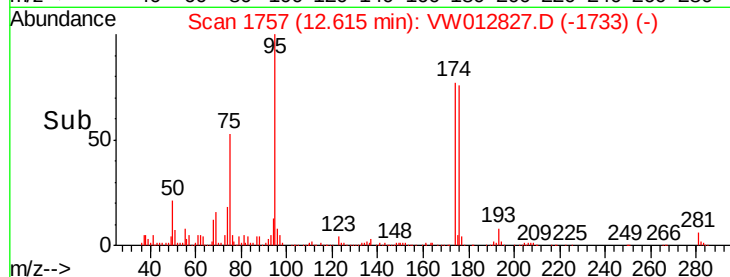
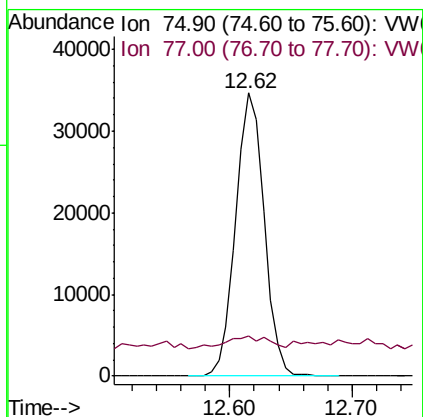
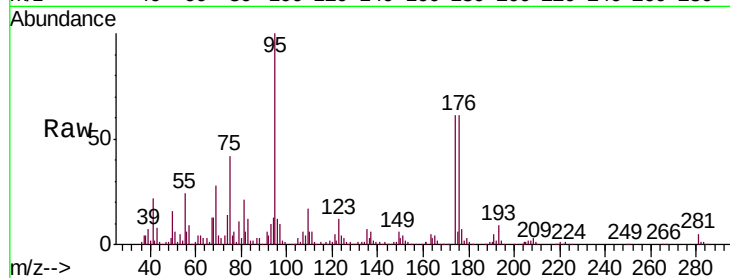
PAR-11-D4-(4)

Tgt Ion: 75 Resp: 55948

Ion Ratio Lower Upper

75 100

77 6.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.698 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012827.D

Acq: 09 Sep 2019 17:41

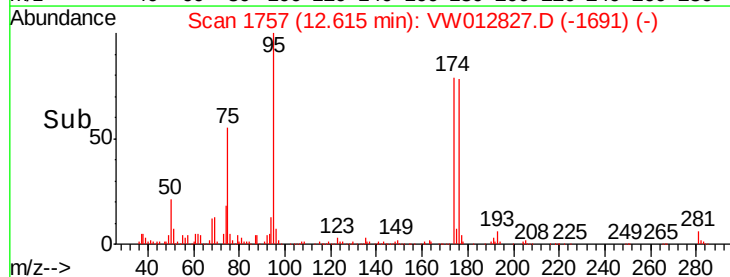
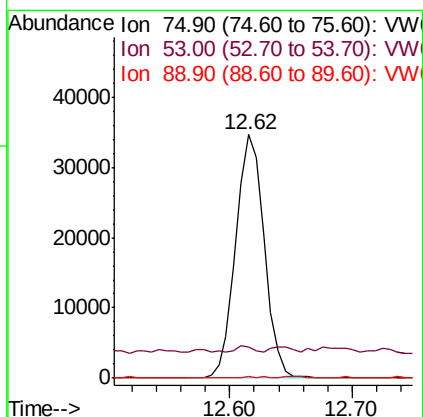
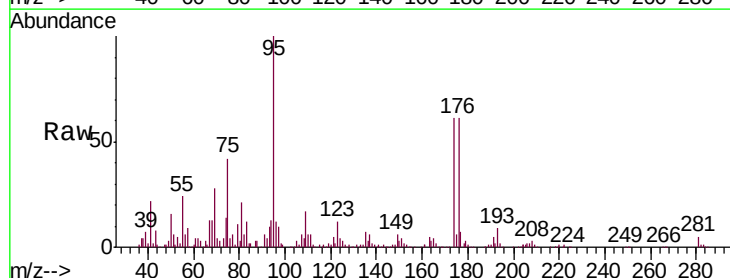
Tgt Ion: 75 Resp: 55948

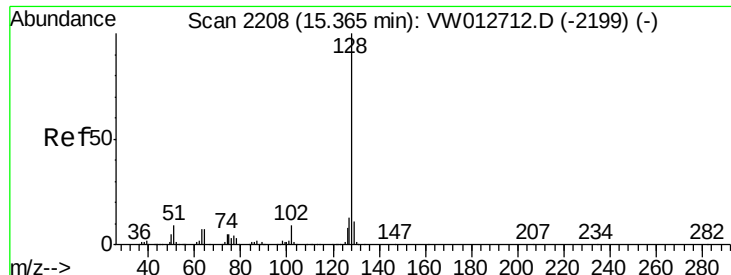
Ion Ratio Lower Upper

75 100

53 2.2 87.6 131.4#

89 0.5 35.5 53.3#





#95
Naphthalene
Concen: 4.533 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012827.D
Acq: 09 Sep 2019 17:41

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(4)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	37.4	10.7	16.1#
129	55.5	8.7	13.1#

