

Data File : VW012829.D
Acq On : 09 Sep 2019 18:33
Operator : SY/VA
Sample : K4623-19
Misc : 4.39G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E2-(0)

Quant Time: Sep 10 07:02:33 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	38279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	54273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	13935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	20672	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.88	113	16600	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.32	98	64811	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.62	95	19154	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	

Target Compounds

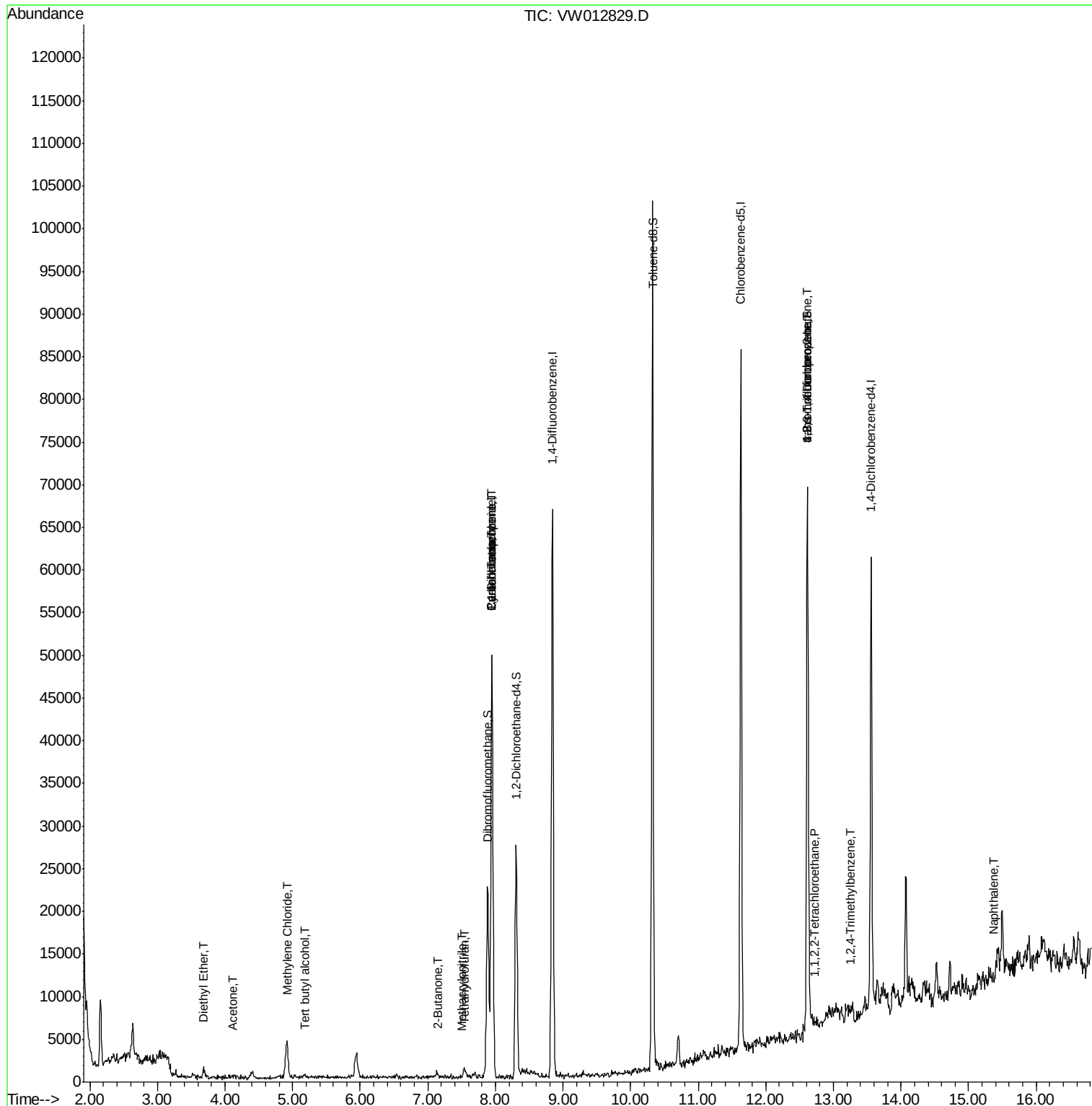
						Qvalue
8) Diethyl Ether	3.68	74	680	3.791	ug/l #	46
11) Tert butyl alcohol	5.18	59	94	2.873	ug/l #	72
16) Acetone	4.11	43	290	2.487	ug/l #	47
20) Methylene Chloride	4.92	84	2719	7.454	ug/l #	82
25) 2-Butanone	7.14	43	67	20.040	ug/l #	53
29) Tetrahydrofuran	7.55	42	915	9.718	ug/l #	53
31) Cyclohexane	7.95	56	926	1.473	ug/l #	36
36) 1,1-Dichloropropene	7.94	75	2963	6.144	ug/l #	54
38) Carbon Tetrachloride	7.95	117	3723	7.832	ug/l #	17
41) Methacrylonitrile	7.49	41	124	4.387	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	12.73	83	271	1.350	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	9729	68.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9729	144.412	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.25	105	913	1.076	ug/l	92
95) Naphthalene	15.37	128	158	4.685	ug/l #	86

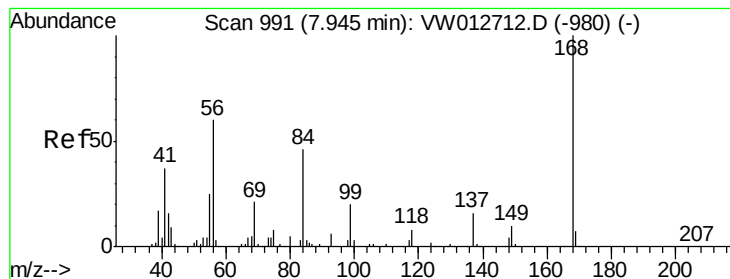
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012829.D
Acq On : 09 Sep 2019 18:33
Operator : SY/VA
Sample : K4623-19
Misc : 4.39G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E2-(0)

Quant Time: Sep 10 07:02:33 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: VW012829.D

Acq: 09 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

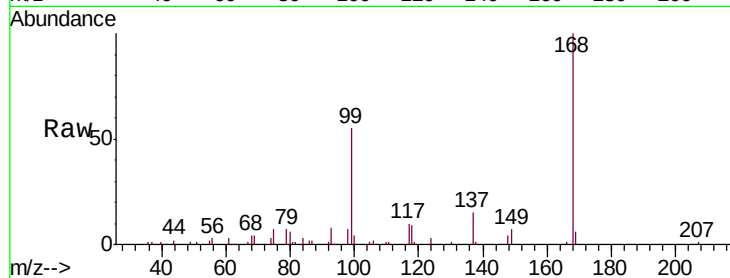
PAR-11-E2-(0)

Tgt Ion:168 Resp: 38279

Ion Ratio Lower Upper

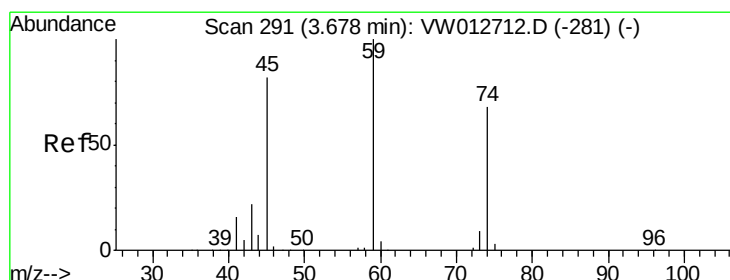
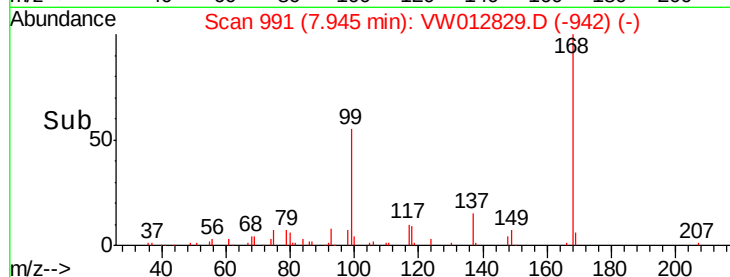
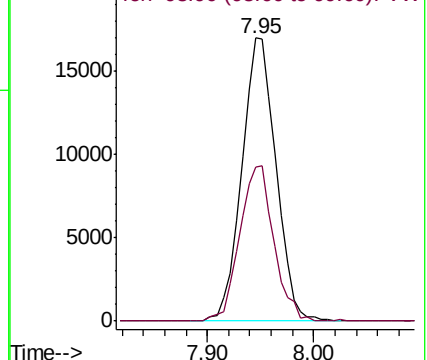
168 100

99 54.7 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: 3.791 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012829.D

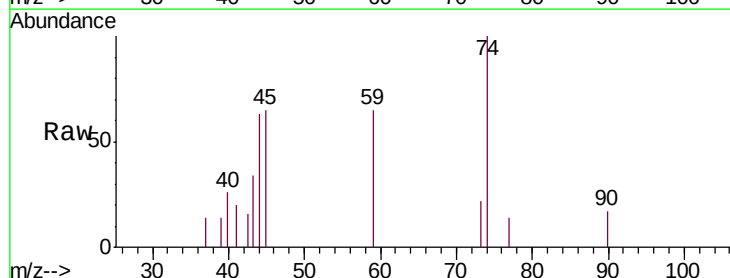
Acq: 09 Sep 2019 18:33

Tgt Ion: 74 Resp: 680

Ion Ratio Lower Upper

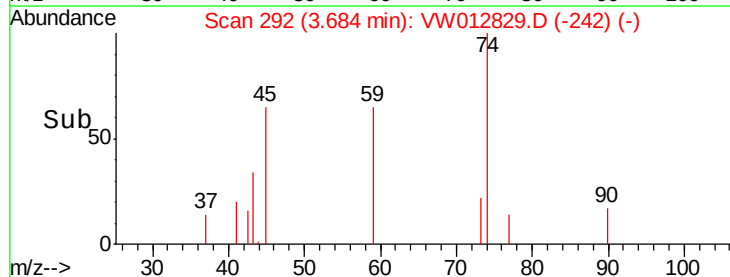
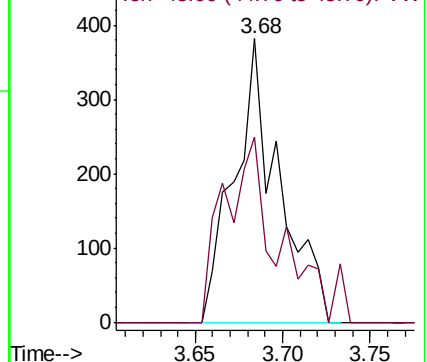
74 100

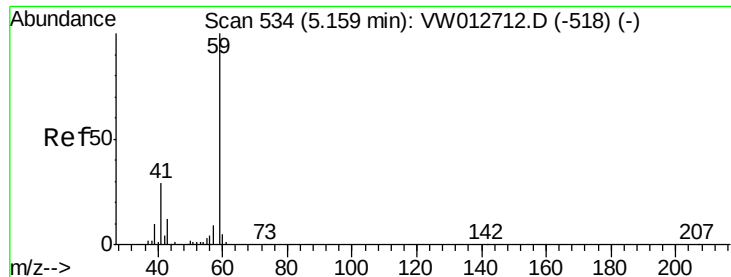
45 58.5 58.8 176.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



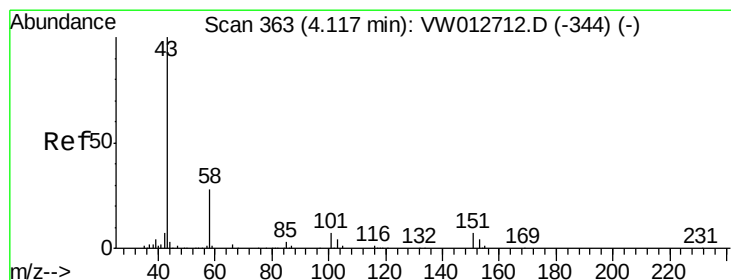
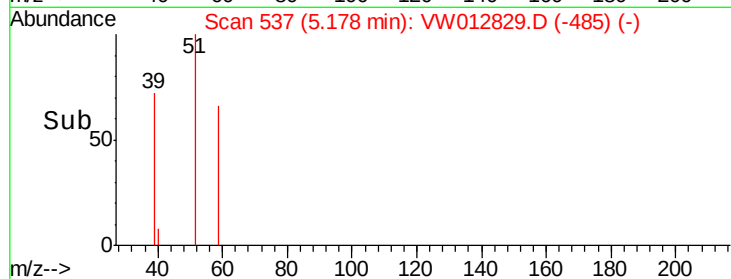
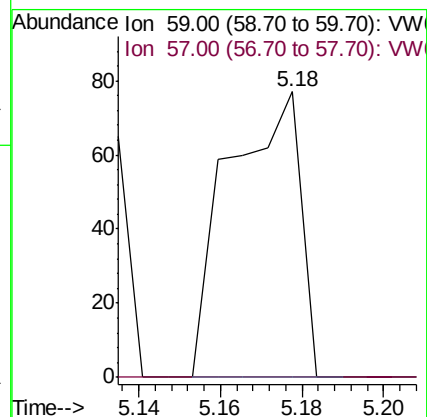
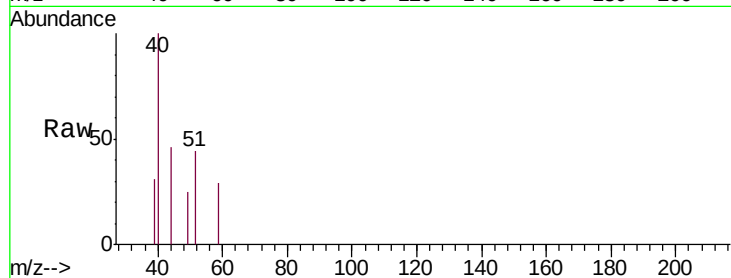


#11

Tert butyl alcohol
Concen: 2.873 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Instrument :
MSVOA_W
ClientSampled :
PAR-11-E2-(0)

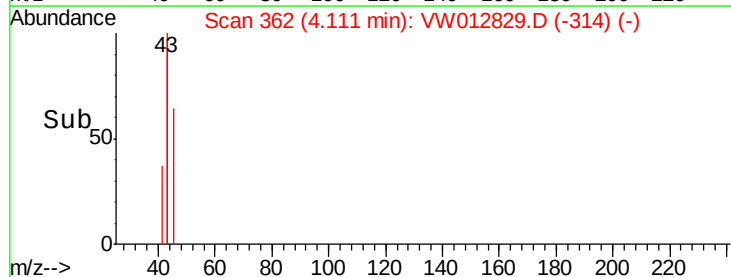
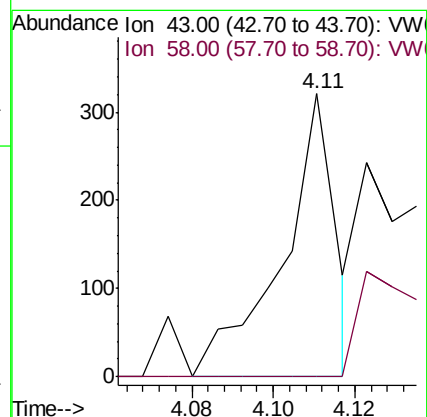
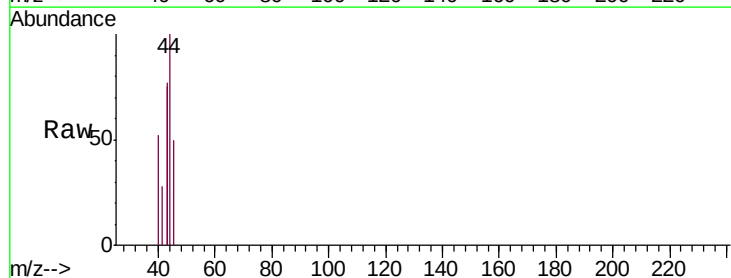
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

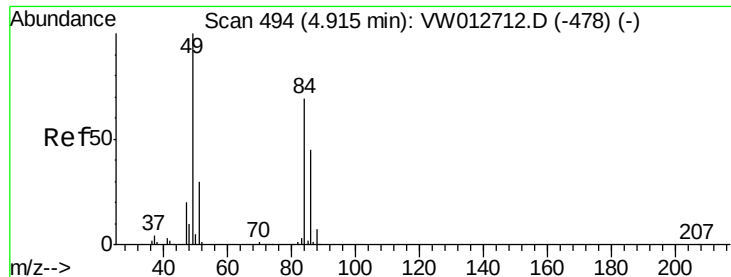


#16

Acetone
Concen: 2.487 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#





#20

Methylene Chloride

Concen: 7.454 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E2-(0)

Tgt Ion: 84 Resp: 2719

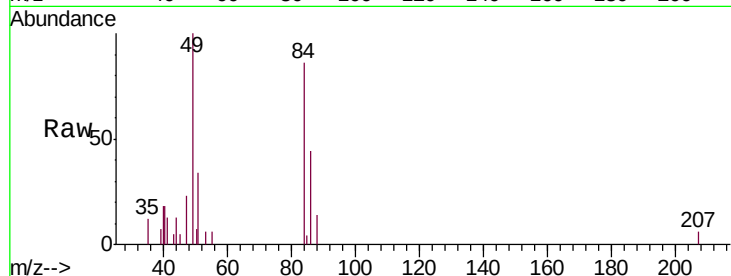
Ion Ratio Lower Upper

84 100

49 116.4 115.4 173.0

51 39.2 34.9 52.3

86 51.6 52.2 78.4#

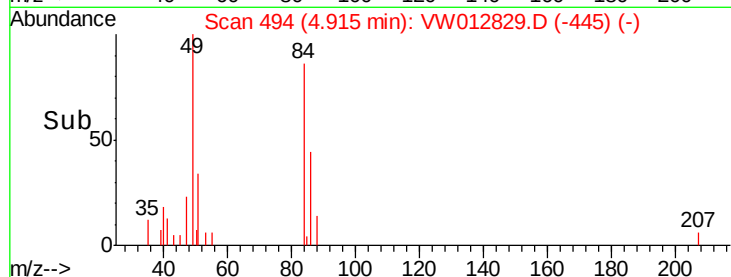
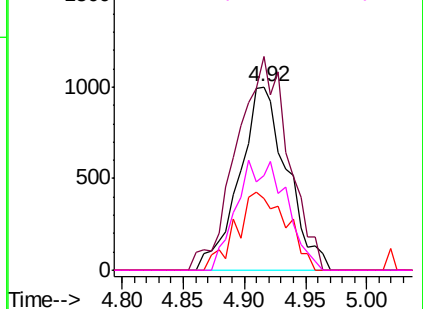


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 20.040 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012829.D

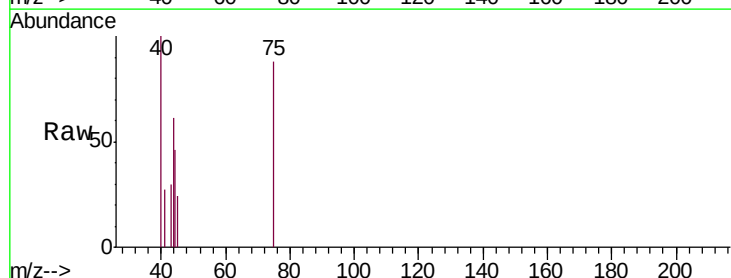
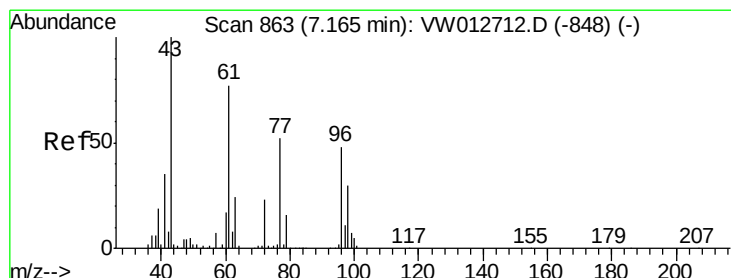
Acq: 09 Sep 2019 18:33

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

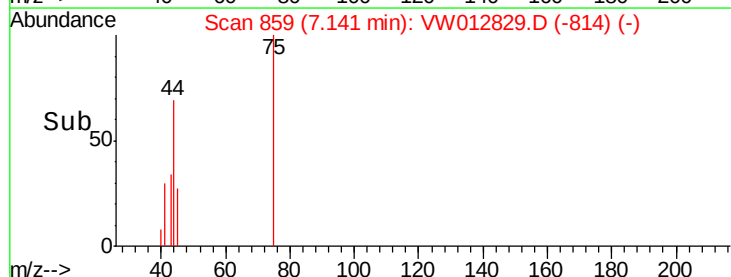
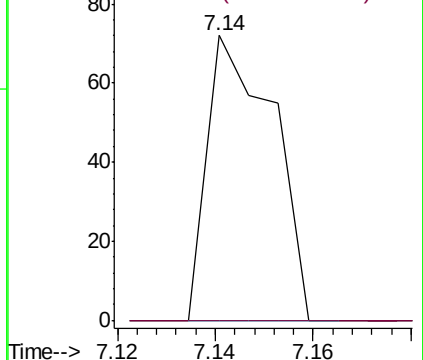
43 100

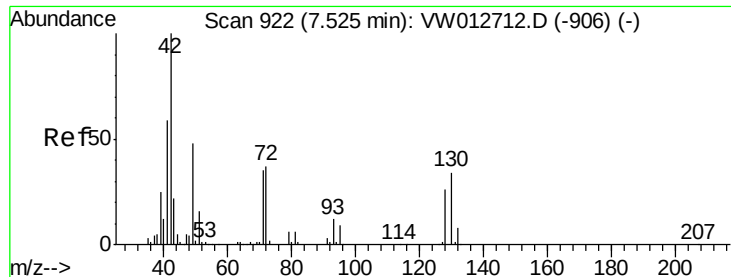
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

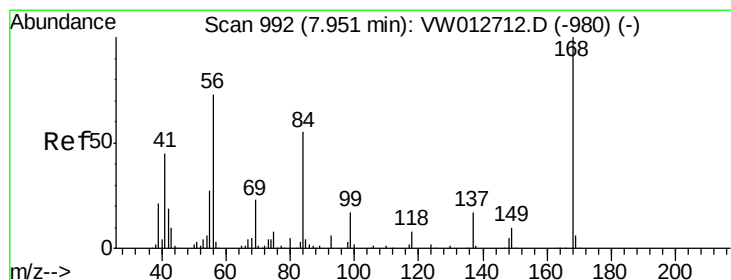
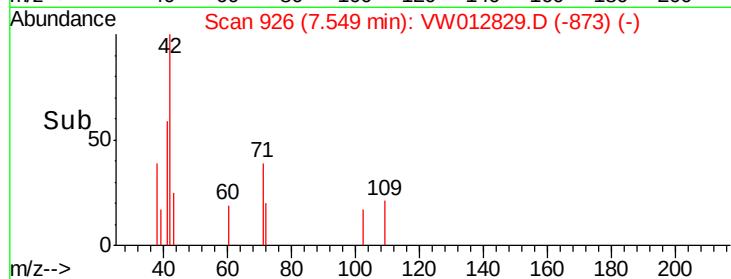
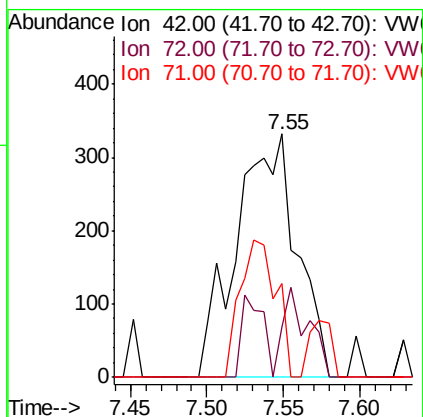
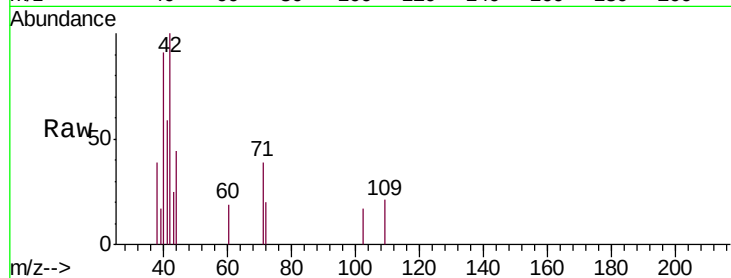




#29
Tetrahydrofuran
Concen: 9.718 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

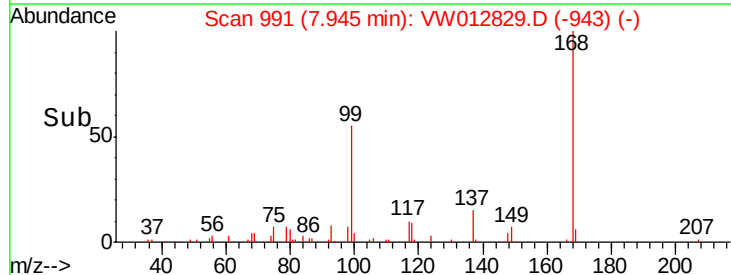
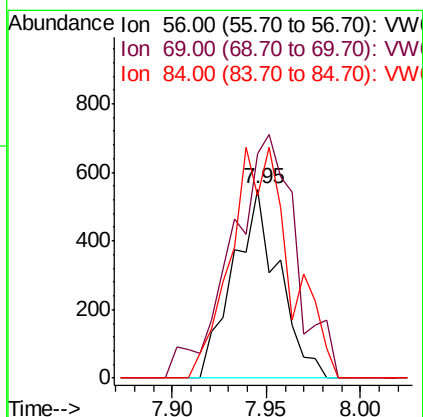
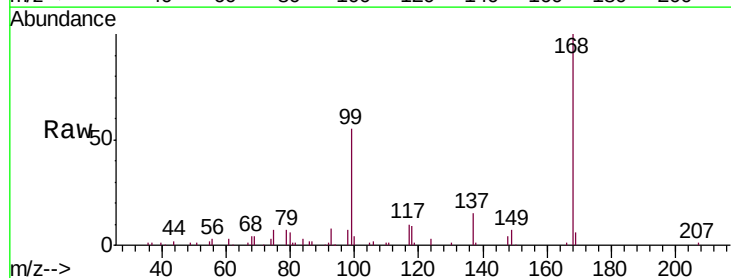
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E2-(0)

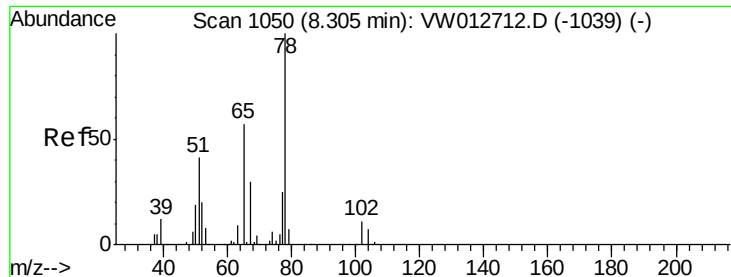
Tgt Ion: 42 Resp: 915
Ion Ratio Lower Upper
42 100
72 15.4 28.4 42.6#
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.473 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Tgt Ion: 56 Resp: 926
Ion Ratio Lower Upper
56 100
69 119.1 25.7 38.5#
84 96.4 60.4 90.6#

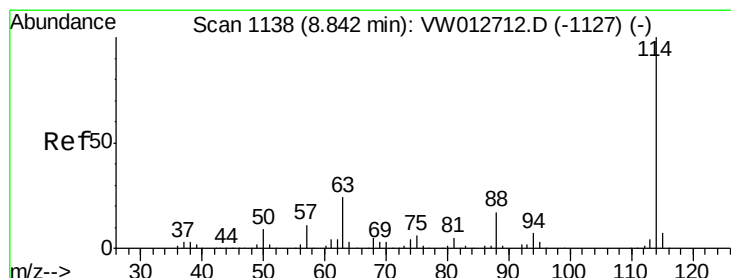
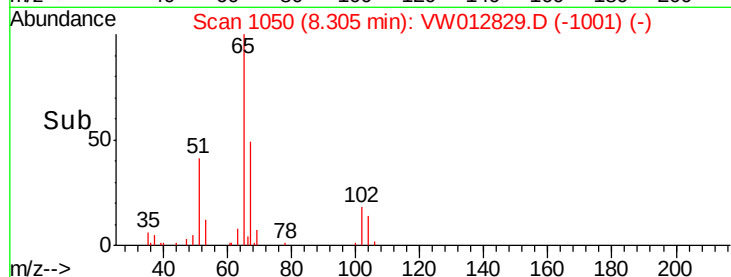
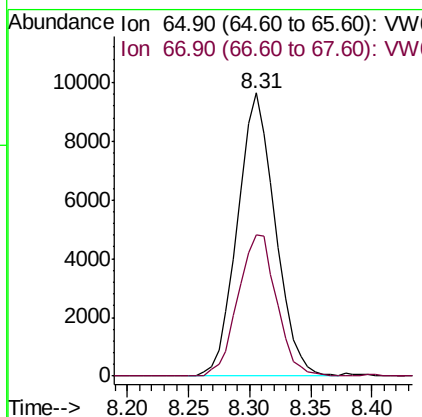
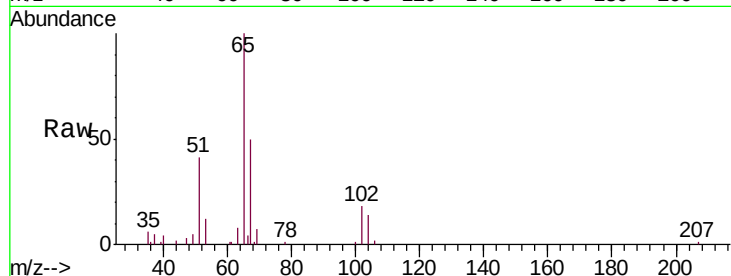




#33
 1,2-Dichloroethane-d4
 Concen: 48.333 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012829.D
 Acq: 09 Sep 2019 18:33

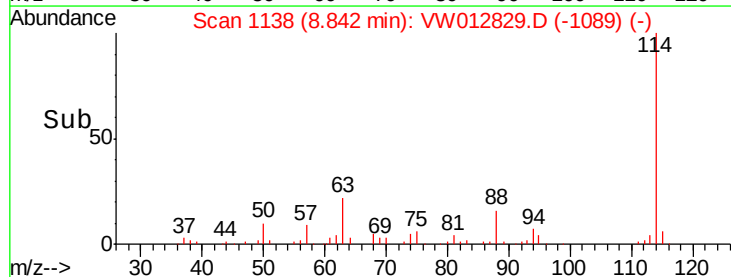
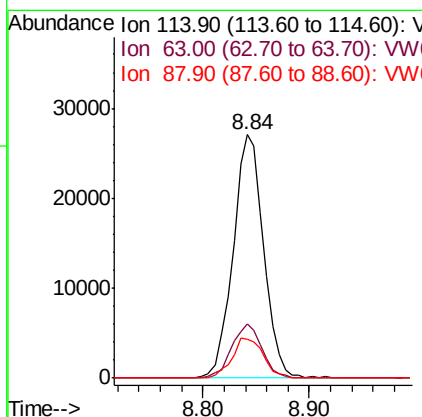
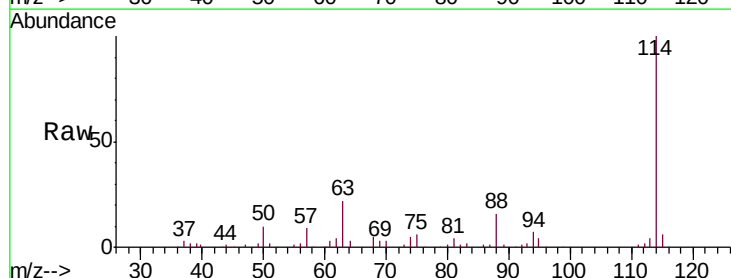
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-E2-(0)

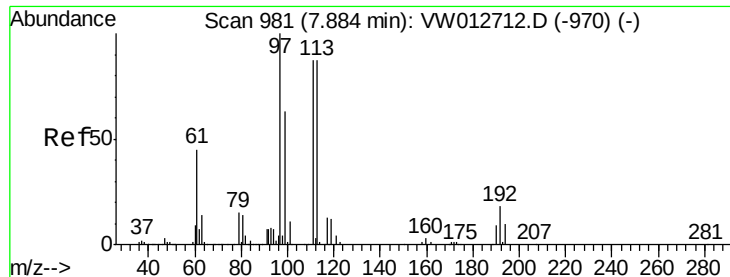
Tgt Ion: 65 Resp: 20672
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012829.D
 Acq: 09 Sep 2019 18:33

Tgt Ion: 114 Resp: 54273
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 16.0 0.0 34.0

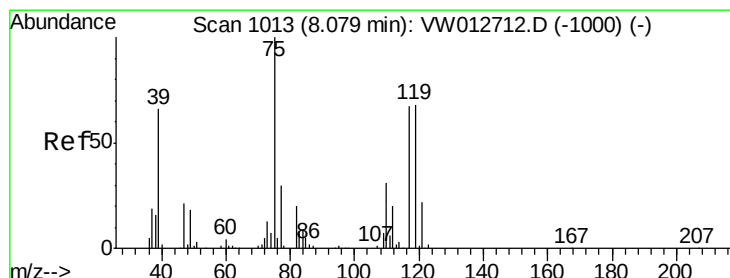
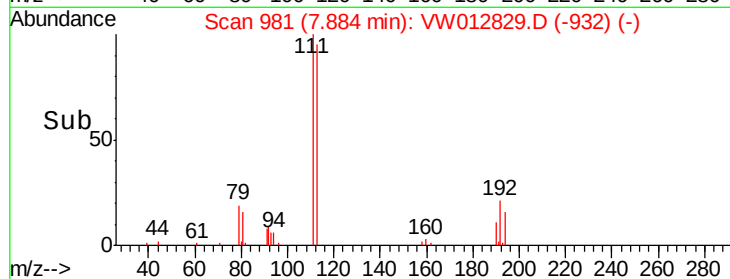
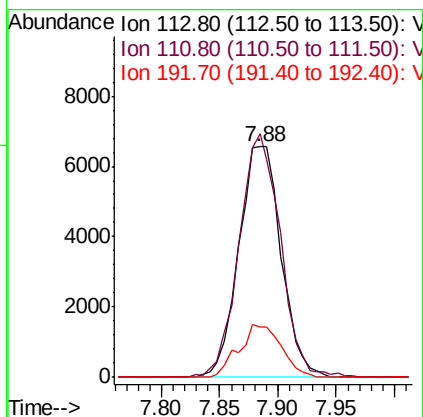
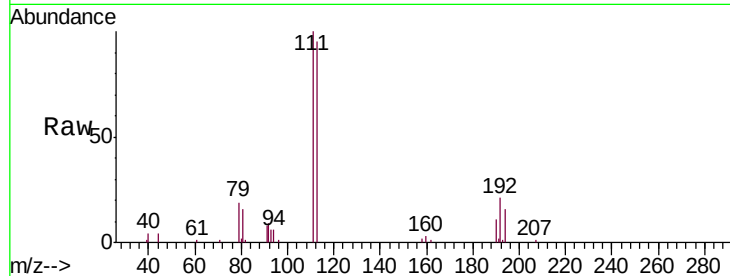




#35
 Dibromofluoromethane
 Concen: 51.446 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012829.D
 Acq: 09 Sep 2019 18:33

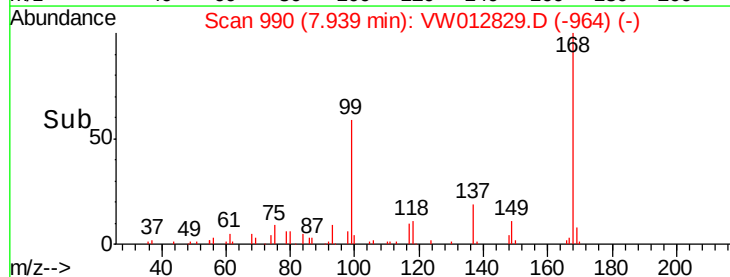
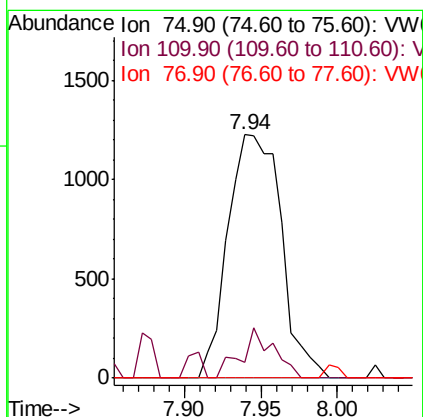
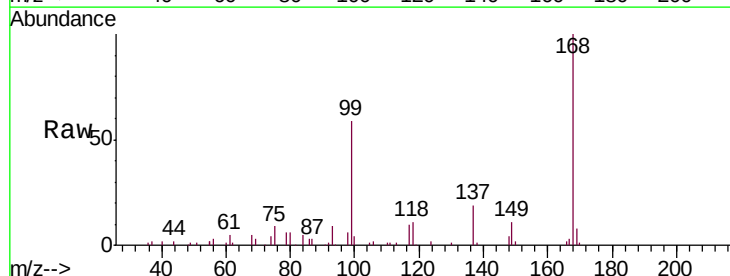
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-E2-(0)

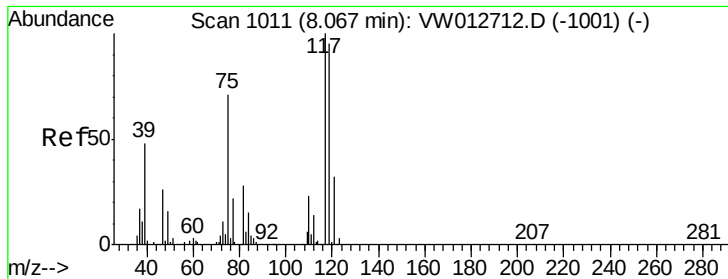
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.2	120.4
192	22.8	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.144 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012829.D
 Acq: 09 Sep 2019 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	15.9	47.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.832 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E2-(0)

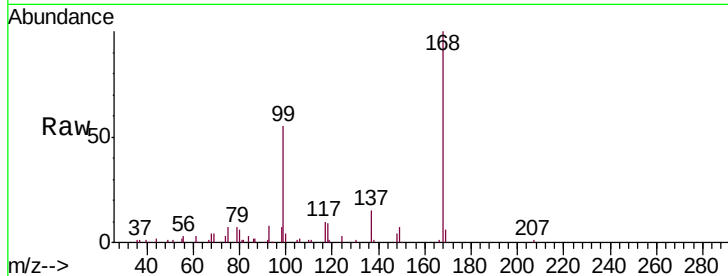
Tgt Ion: 117 Resp: 3723

Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

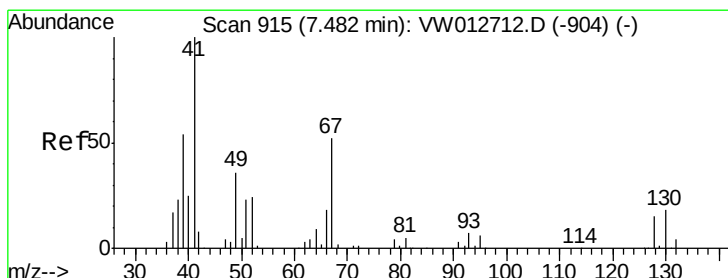
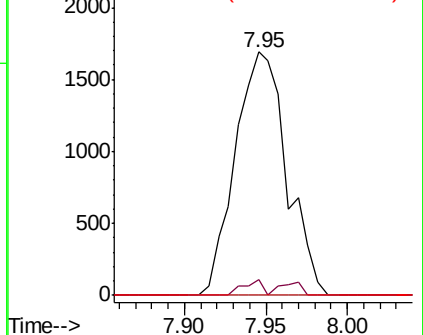
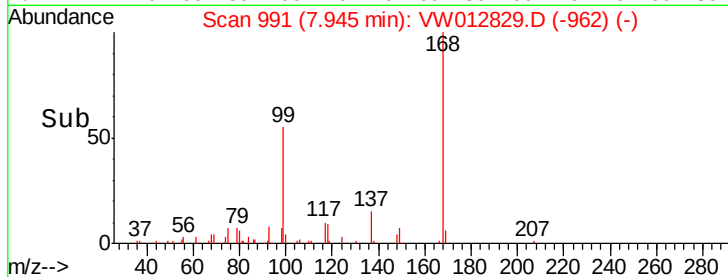
121 0.0 25.4 38.2#



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: 4.387 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

Tgt Ion: 41 Resp: 124

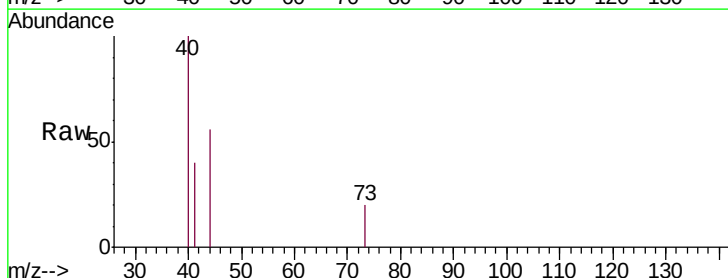
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

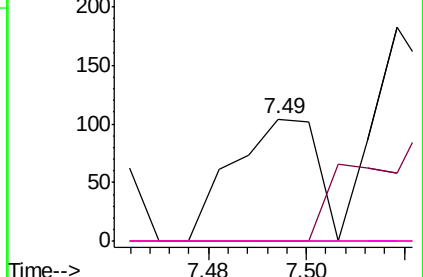
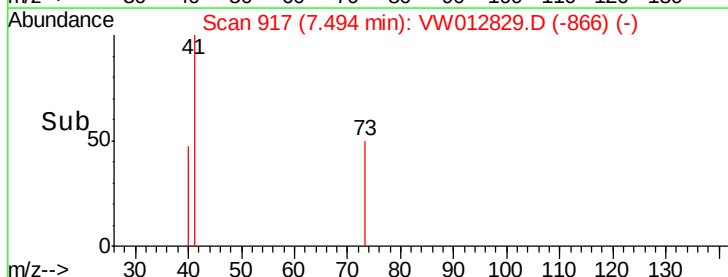


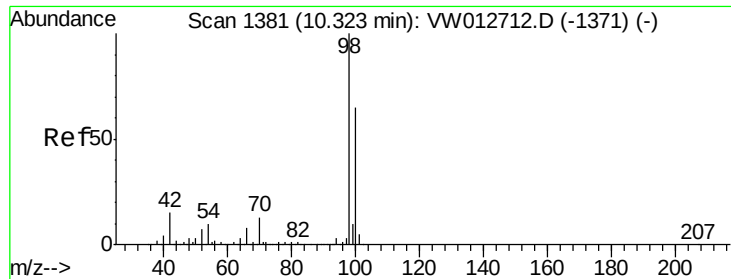
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.269 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

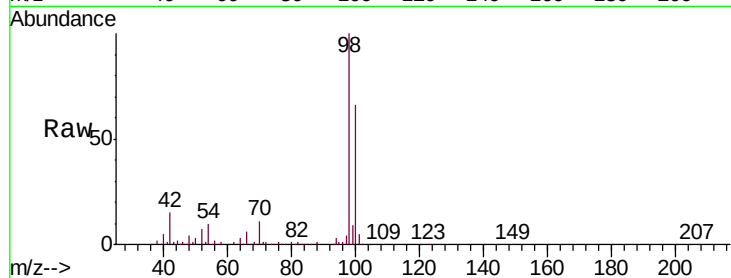
PAR-11-E2-(0)

Tgt Ion: 98 Resp: 64811

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

40000

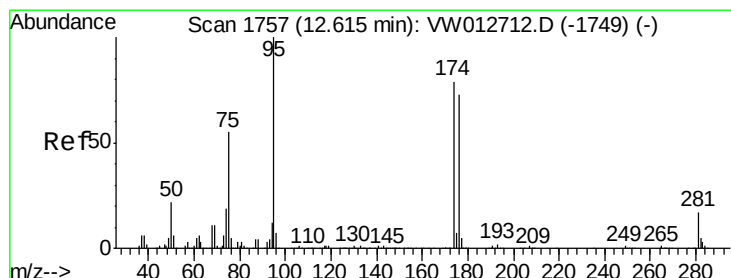
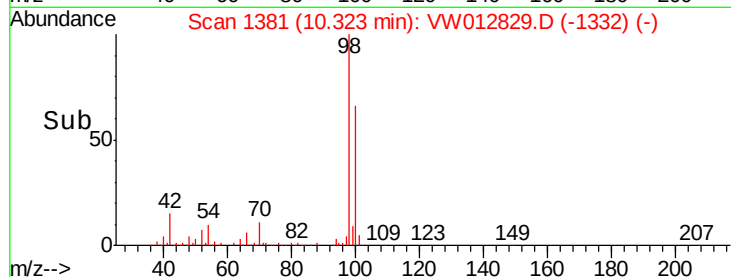
30000

20000

10000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 41.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

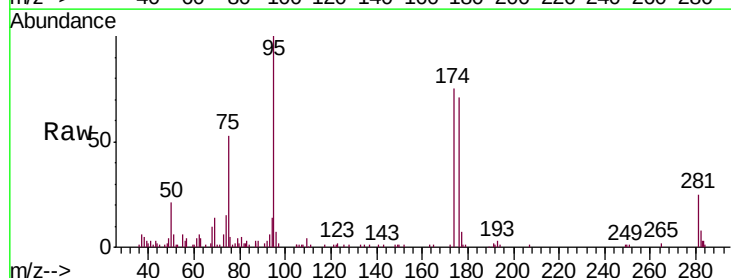
Tgt Ion: 95 Resp: 19154

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.0

176 79.0 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

12.62

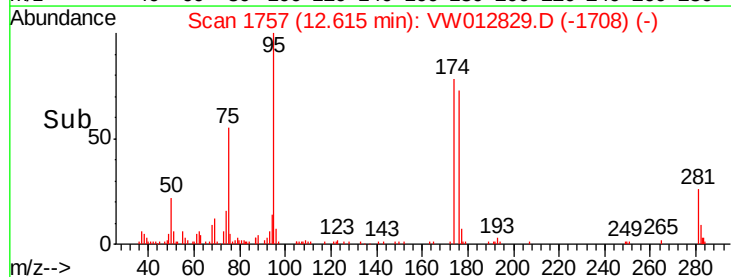
15000

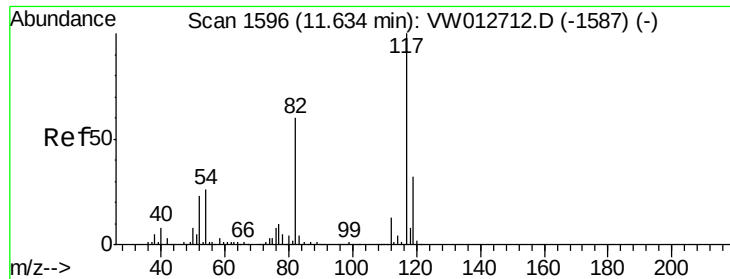
10000

5000

0

Time--> 12.55 12.60 12.65

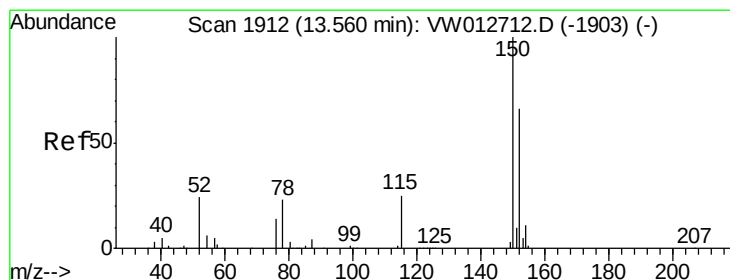
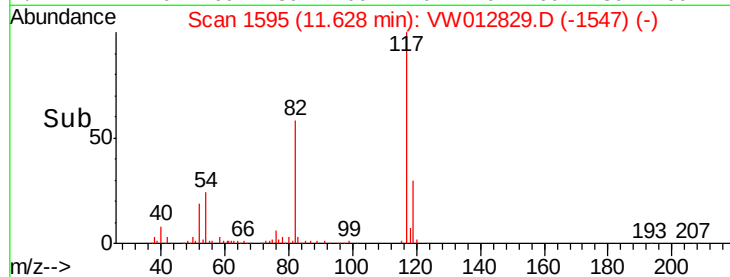
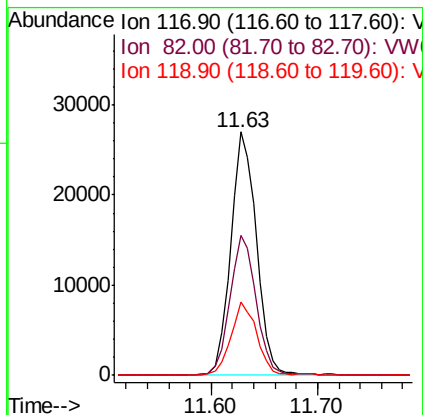
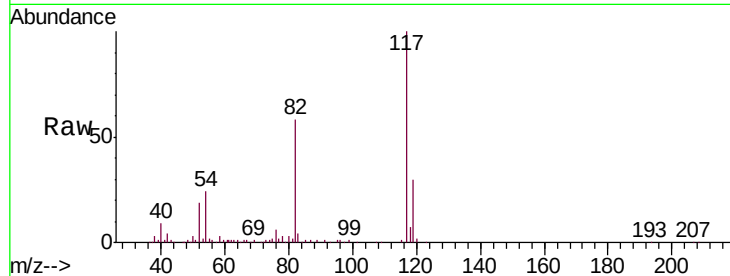




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

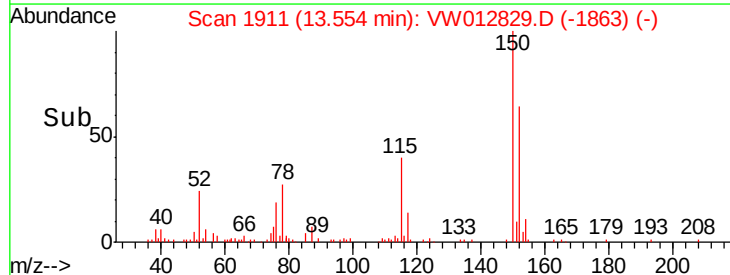
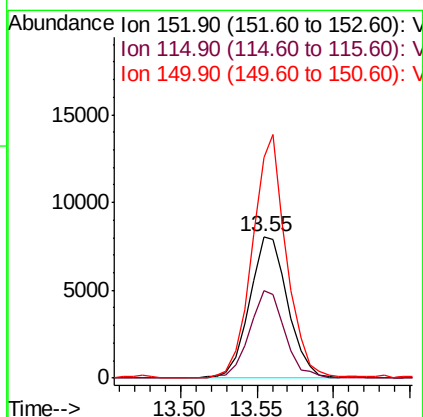
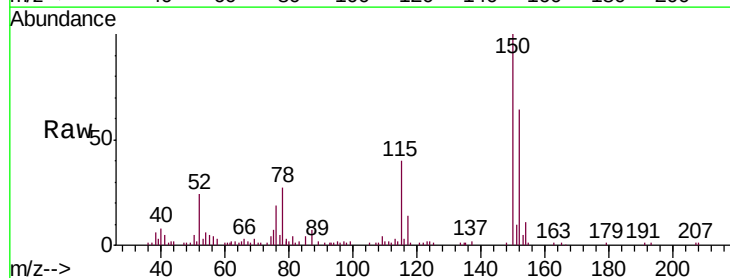
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E2-(0)

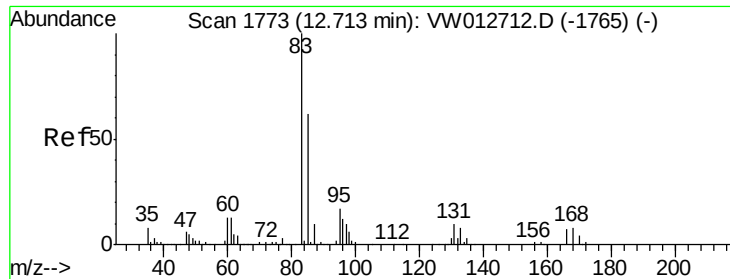
Tgt Ion:117 Resp: 45660
Ion Ratio Lower Upper
117 100
82 57.3 48.2 72.4
119 30.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Tgt Ion:152 Resp: 13935
Ion Ratio Lower Upper
152 100
115 57.2 30.0 90.1
150 153.0 0.0 349.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.350 ug/l

RT: 12.73 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW012829.D

Acq: 09 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E2-(0)

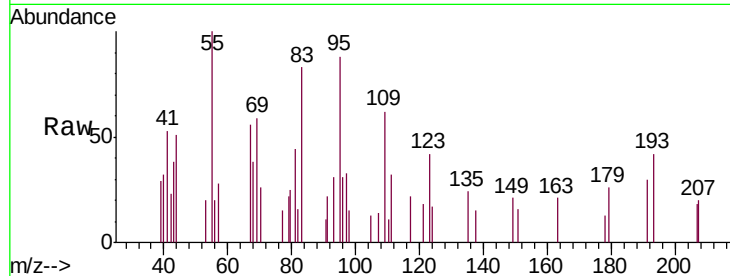
Tgt Ion: 83 Resp: 271

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

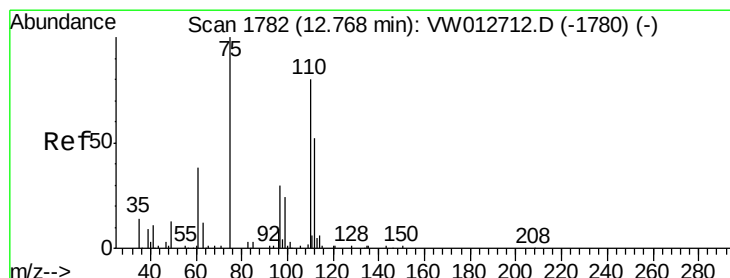
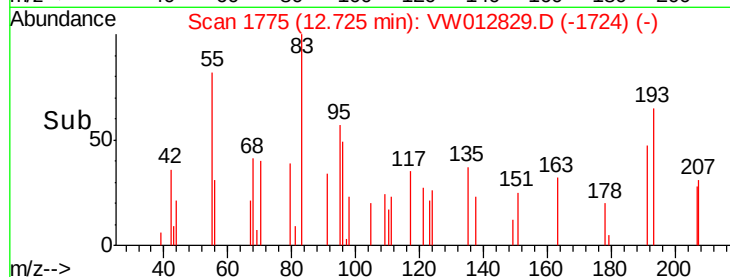
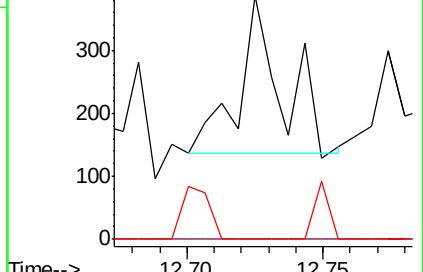
85 0.0 31.4 94.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 68.278 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012829.D

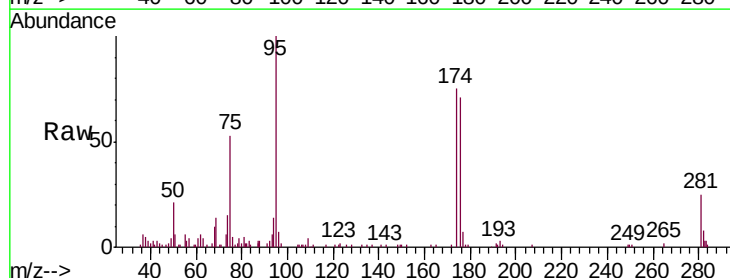
Acq: 09 Sep 2019 18:33

Tgt Ion: 75 Resp: 9729

Ion Ratio Lower Upper

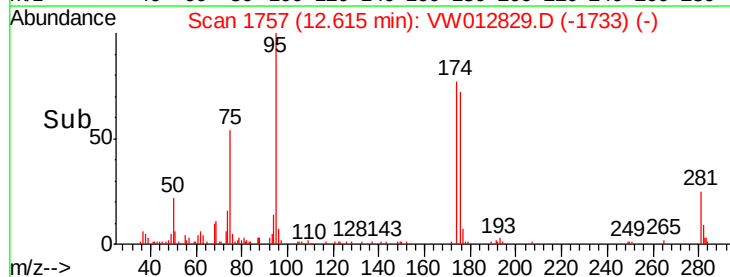
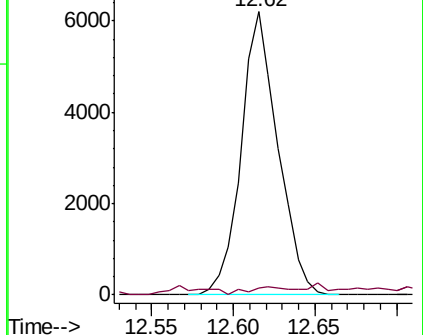
75 100

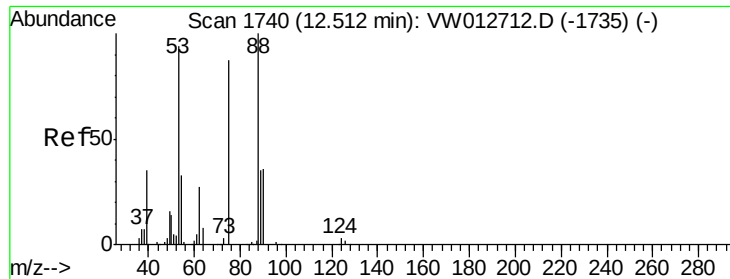
77 3.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

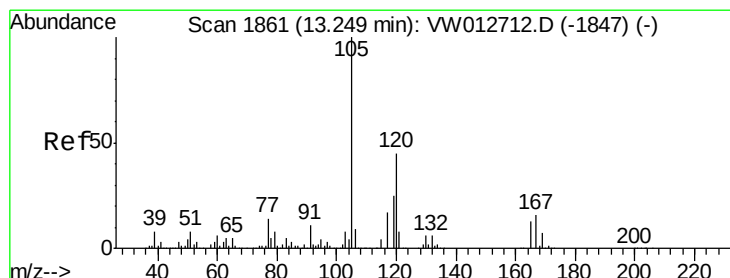
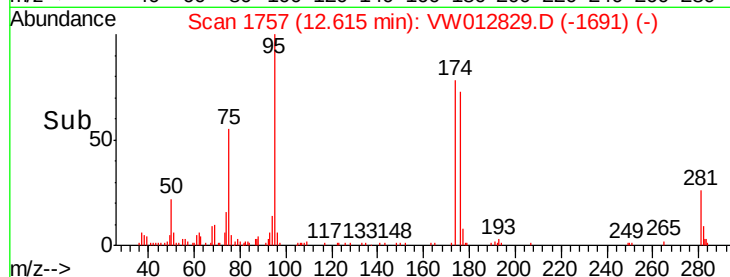
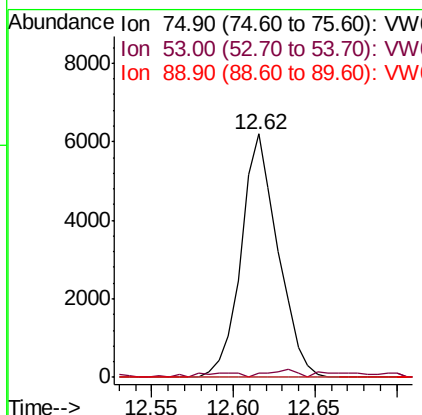
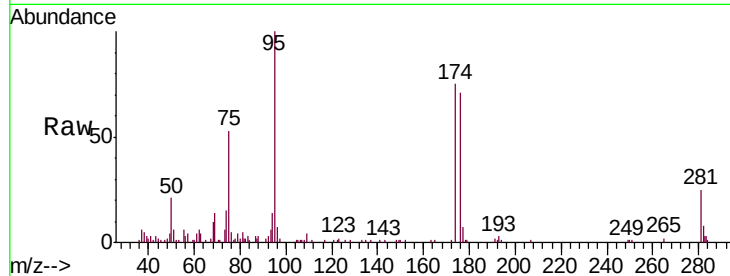




#81
trans-1,4-Dichloro-2-butene
Concen: 144.412 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

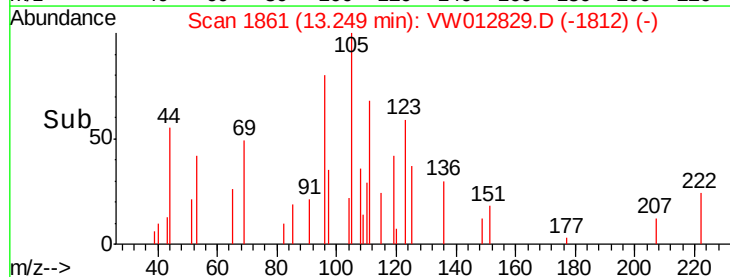
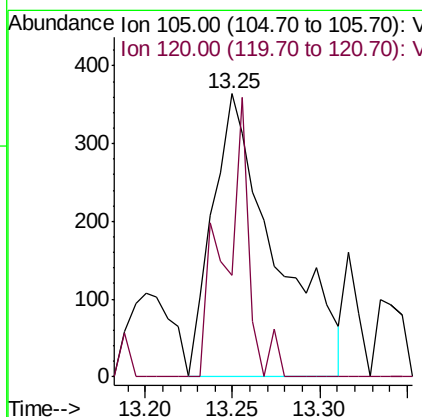
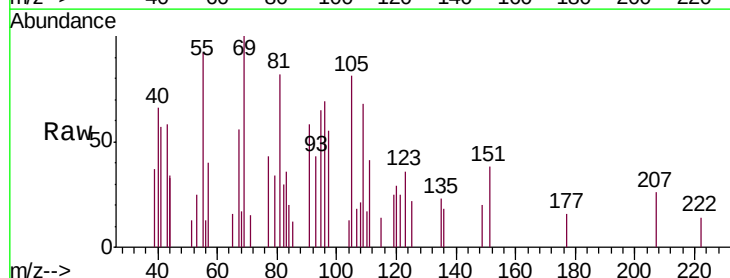
Instrument :
MSVOA_W
ClientSampled :
PAR-11-E2-(0)

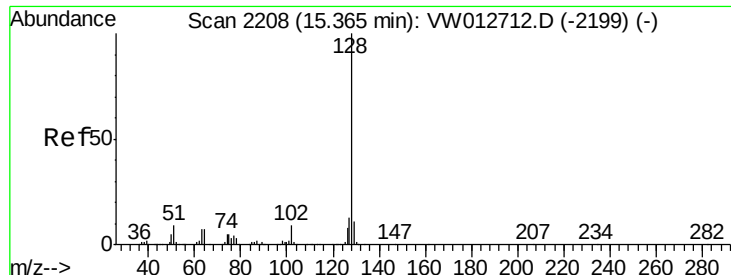
Tgt Ion: 75 Resp: 9729
Ion Ratio Lower Upper
75 100
53 2.6 87.6 131.4#
89 0.0 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.076 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Tgt Ion: 105 Resp: 913
Ion Ratio Lower Upper
105 100
120 38.8 22.1 66.3





#95
Naphthalene
Concen: 4.685 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012829.D
Acq: 09 Sep 2019 18:33

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E2-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	0.0	8.7	13.1

