

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010513.D
 Acq On : 22 May 2019 16:32
 Operator : SY/VA
 Sample : K3002-06
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

Quant Time: May 23 06:58:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	232181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	205684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	92406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	72703	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	72235	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	10.32	98	286824	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	106608	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

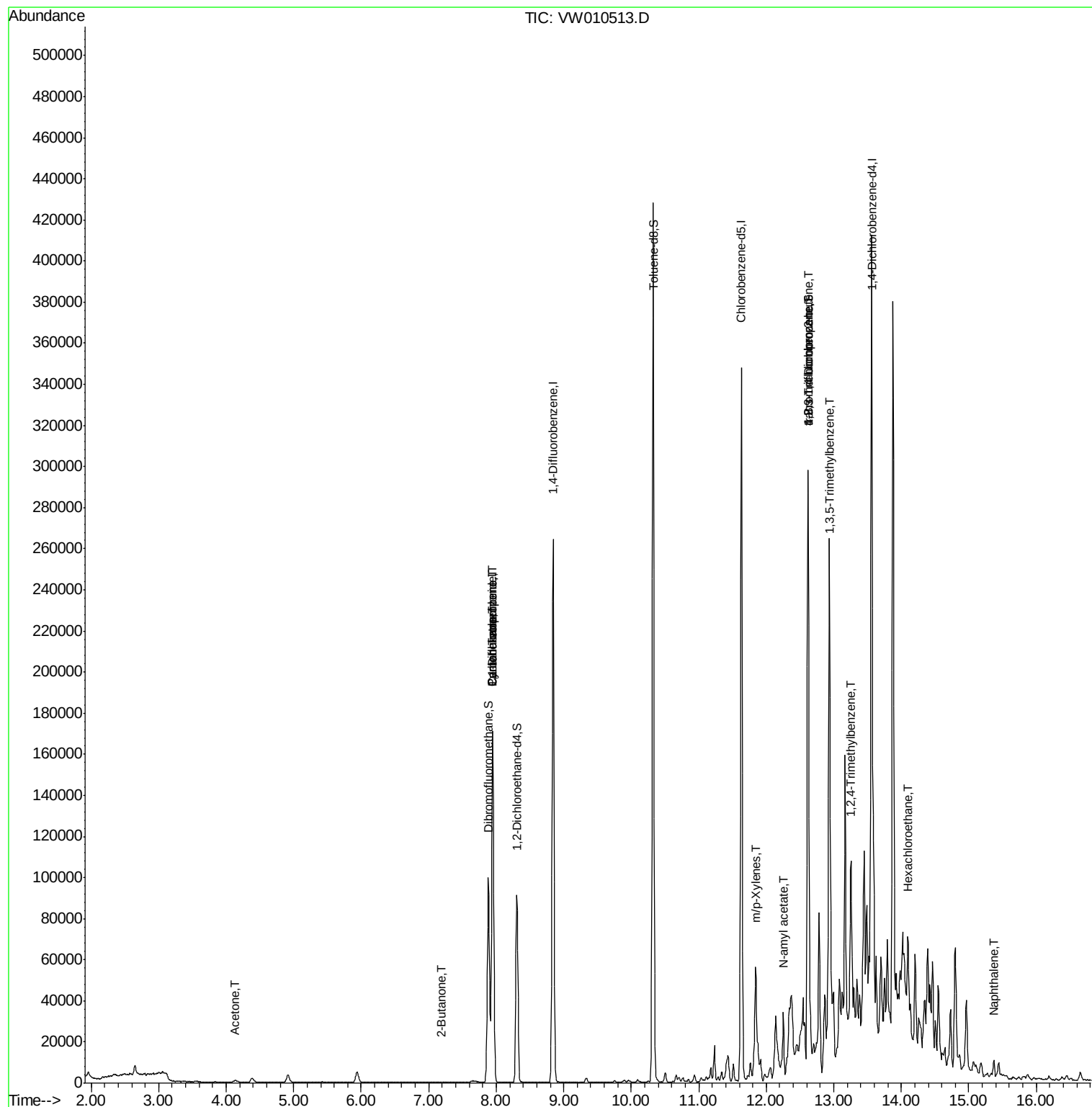
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	87	Below Cal	#	42
13) Acrolein	3.94	56	32	Below Cal		97
16) Acetone	4.14	43	2064	7.868	ug/l	97
20) Methylene Chloride	4.91	84	2822	Below Cal		95
25) 2-Butanone	7.19	43	411	1.095	ug/l #	45
31) Cyclohexane	7.95	56	2812	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9833	4.546	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13563	5.813	ug/l #	14
68) m/p-Xylenes	11.84	106	3599	1.186	ug/l	91
74) N-amyl acetate	12.25	43	6592	3.923	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	50935	54.303	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	25107	4.043	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	50935	113.332	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	47216	7.634	ug/l	100
90) Hexachloroethane	14.10	117	1916	1.441	ug/l #	15
95) Naphthalene	15.37	128	7580	1.809	ug/l	99

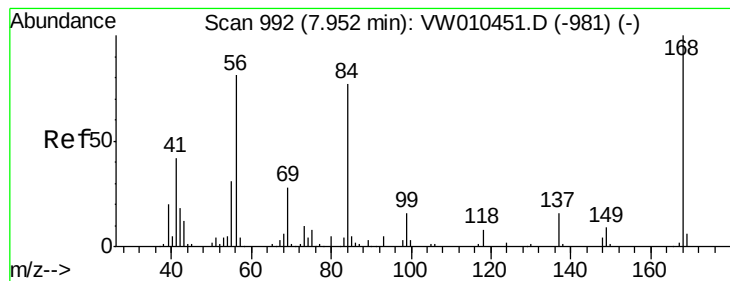
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

Quant Time: May 23 06:58:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

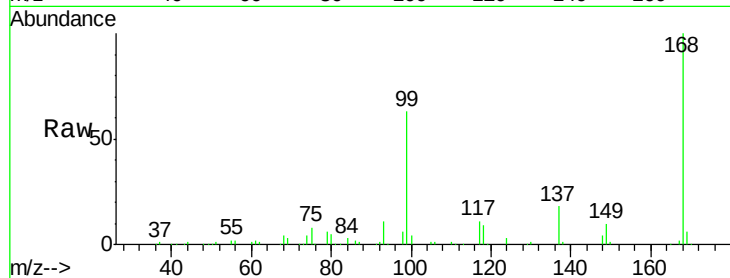
22-C4-20190401

Tot Ion:168 Resp: 124510

Ion Ratio Lower Upper

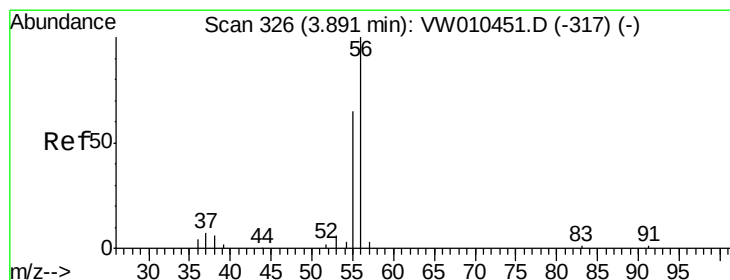
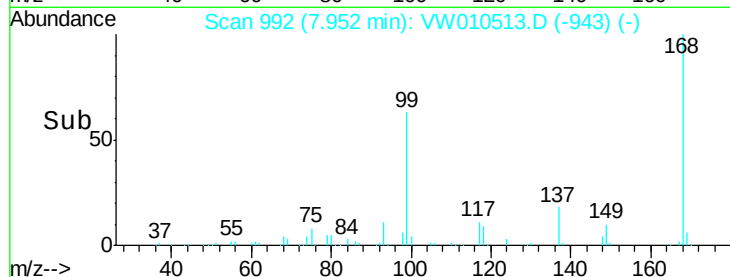
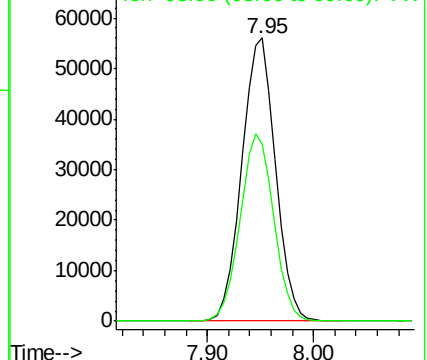
168 100

99 62.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW010513.D

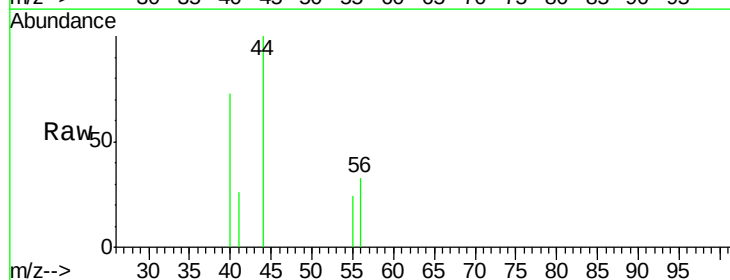
Acq: 22 May 2019 16:32

Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

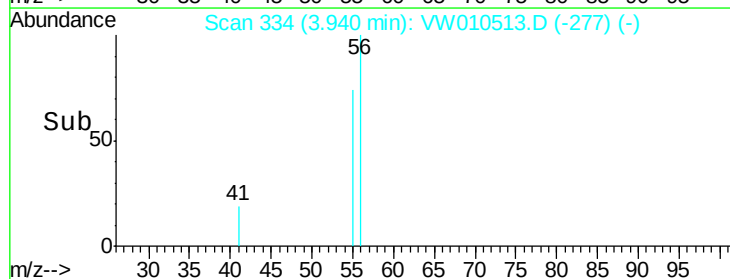
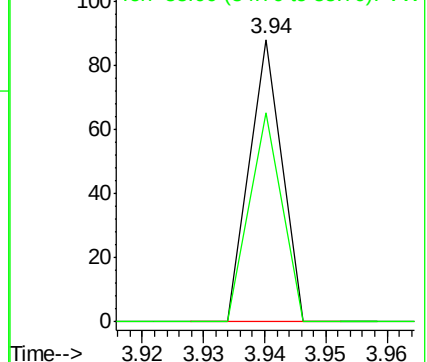
56 100

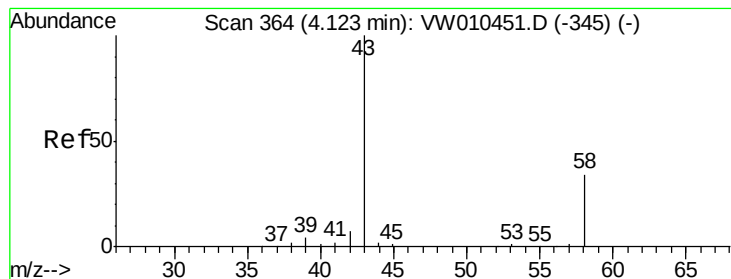
55 75.0 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 7.868 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

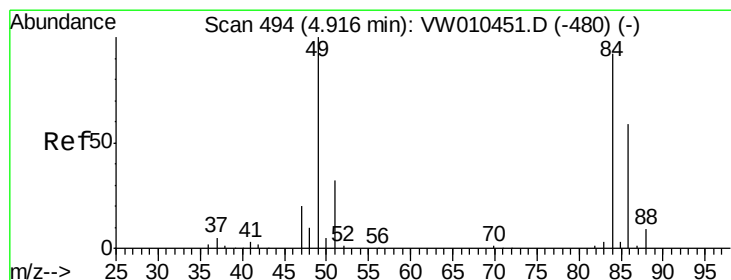
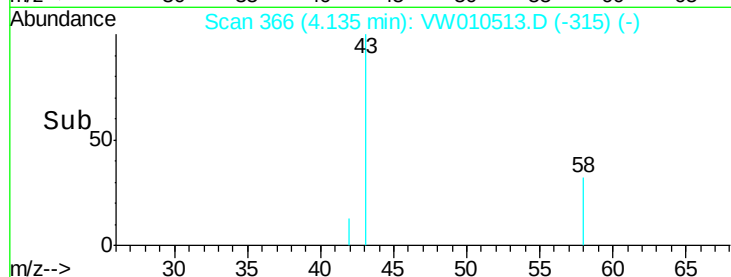
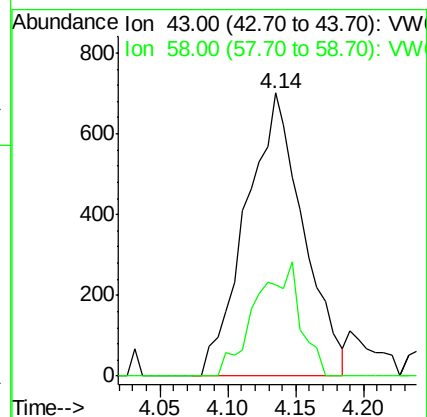
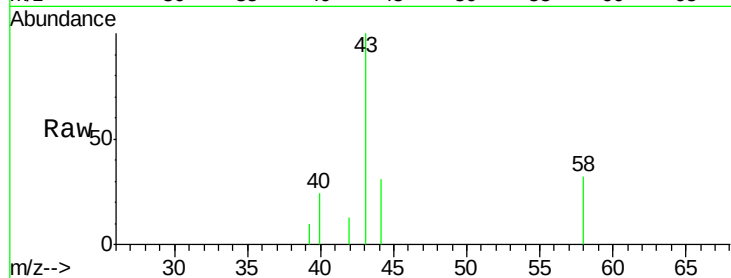
22-C4-20190401

Tot Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 32.2 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Tgt Ion: 84 Resp: 2822

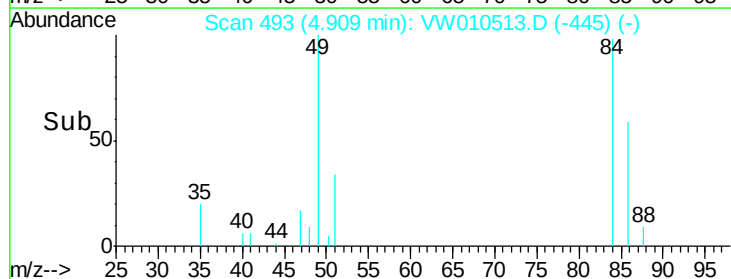
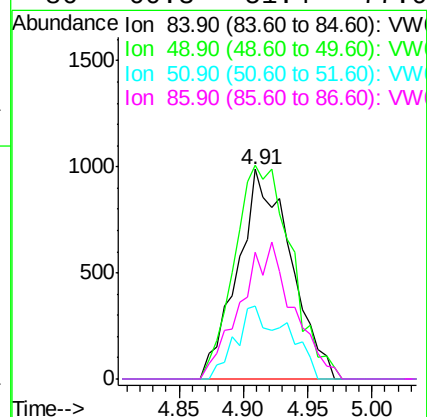
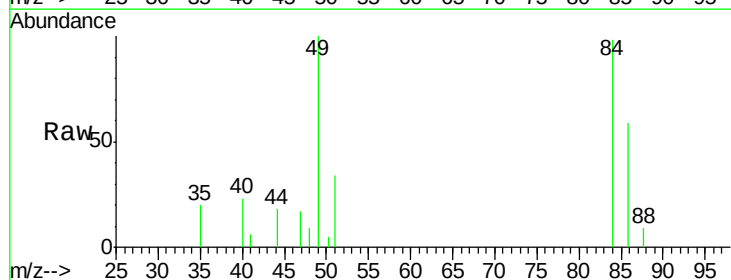
Ion Ratio Lower Upper

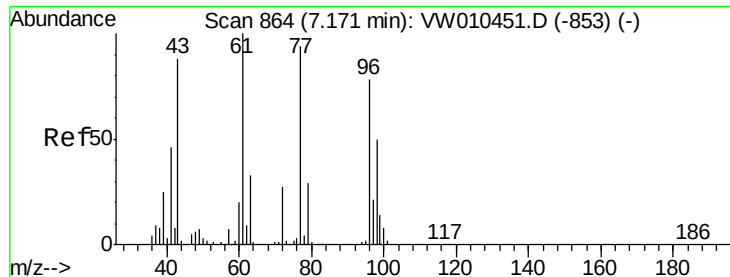
84 100

49 102.0 87.2 130.8

51 34.9 27.7 41.5

86 60.3 51.4 77.0





#25

2-Butanone

Concen: 1.095 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

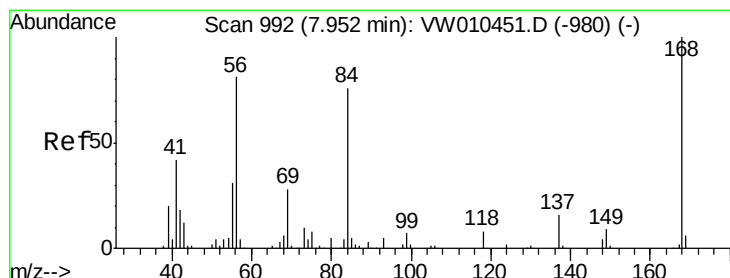
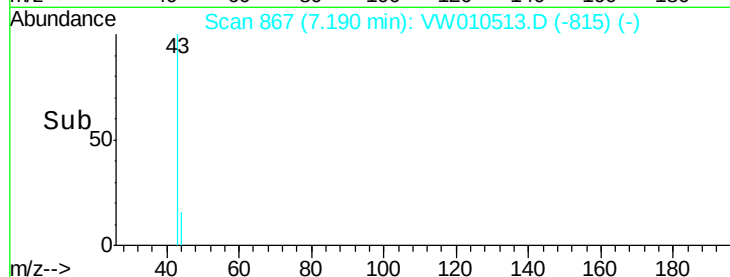
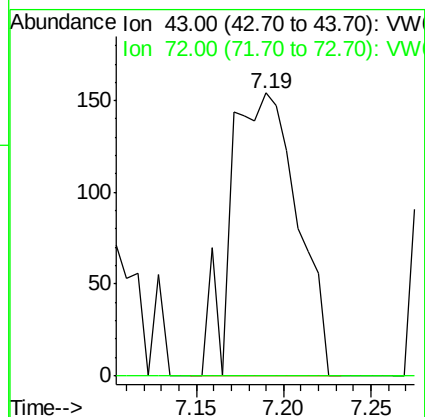
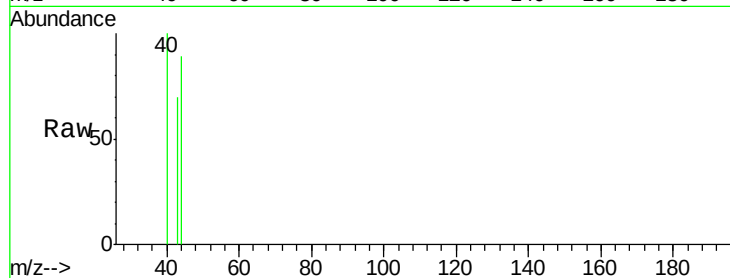
22-C4-20190401

Tot Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

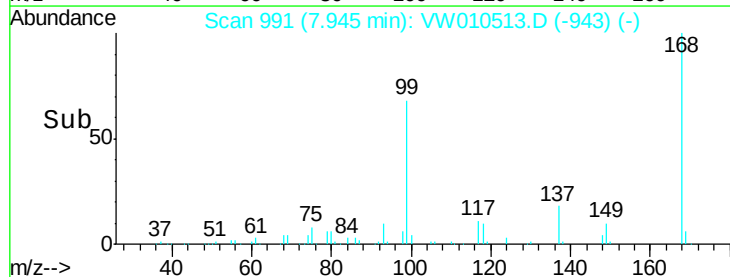
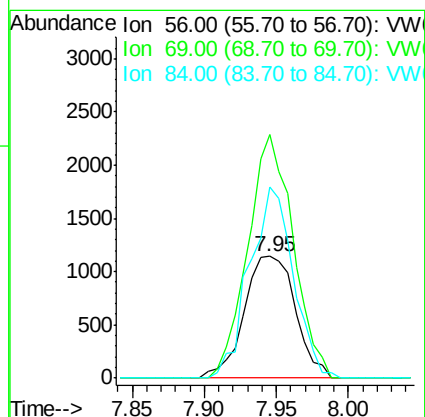
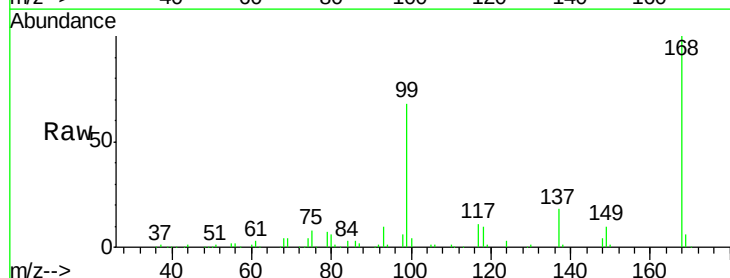
Tgt Ion: 56 Resp: 2812

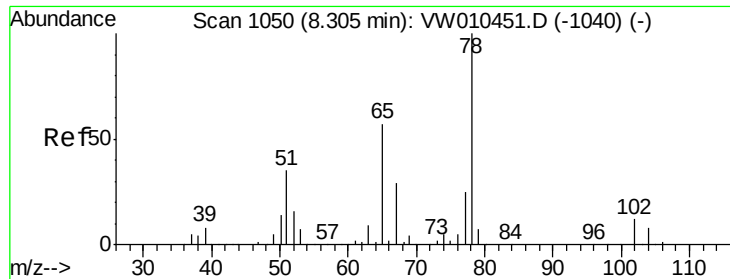
Ion Ratio Lower Upper

56 100

69 200.4 28.2 42.2#

84 157.3 75.8 113.8#

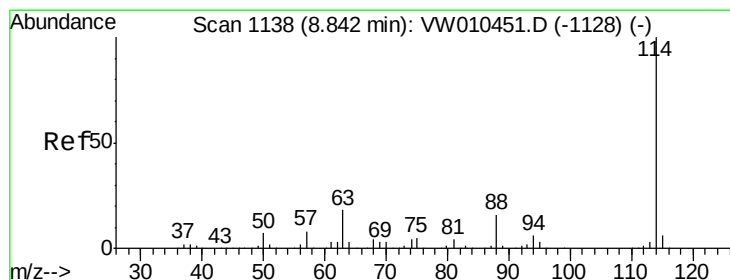
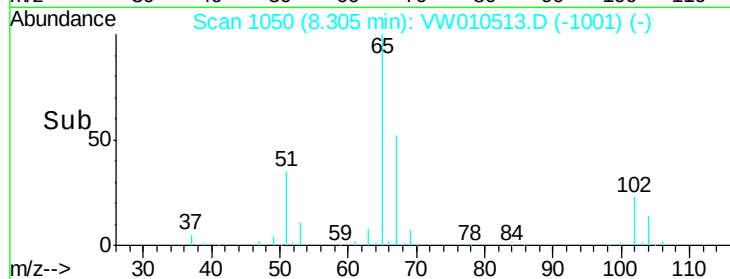
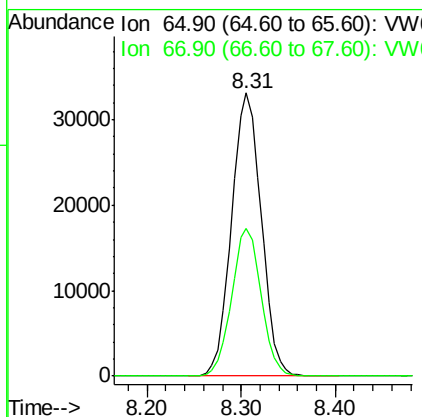
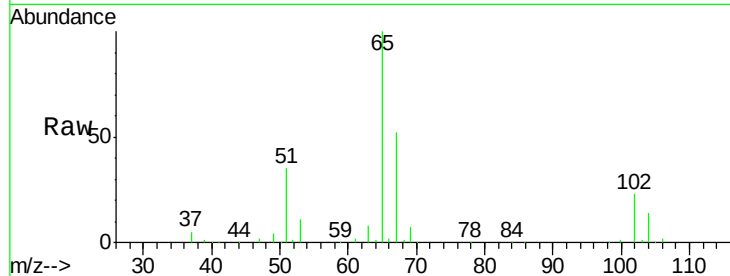




#33
 1,2-Dichloroethane-d4
 Concen: 56.571 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

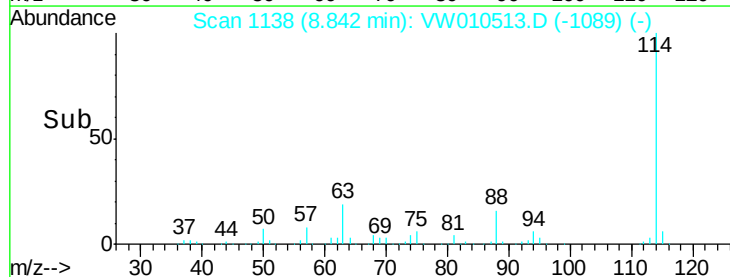
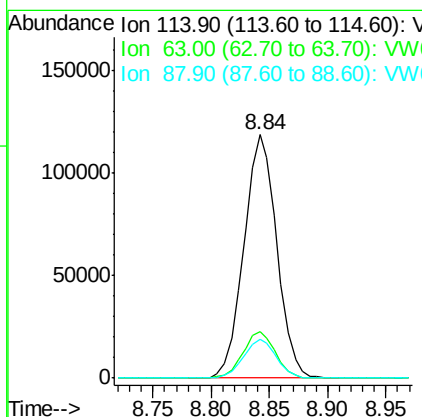
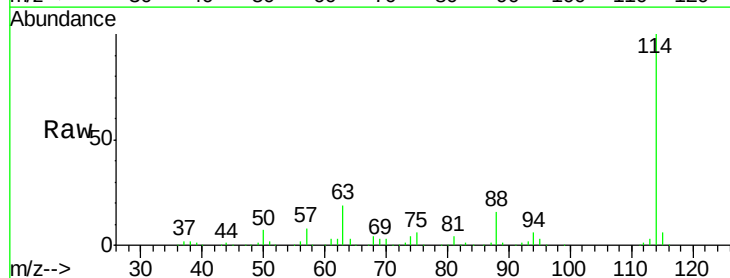
Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

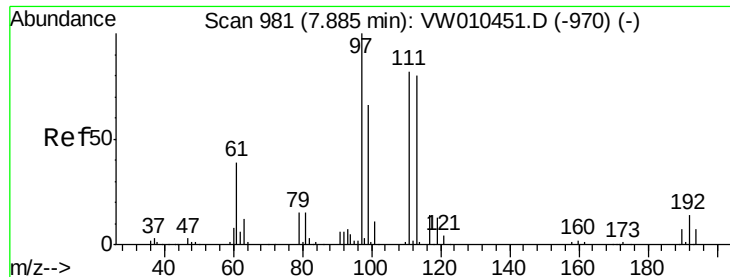
Tot Ion: 65 Resp: 72703
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

Tgt Ion: 114 Resp: 232181
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.0
 88 16.0 0.0 32.0

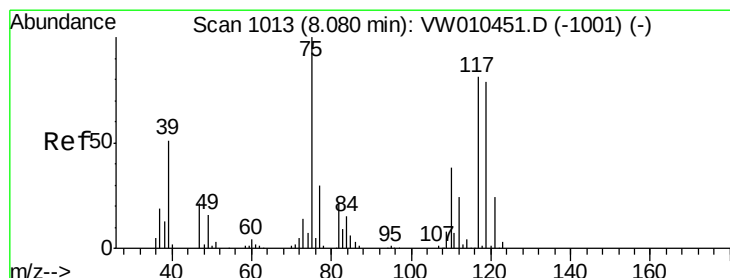
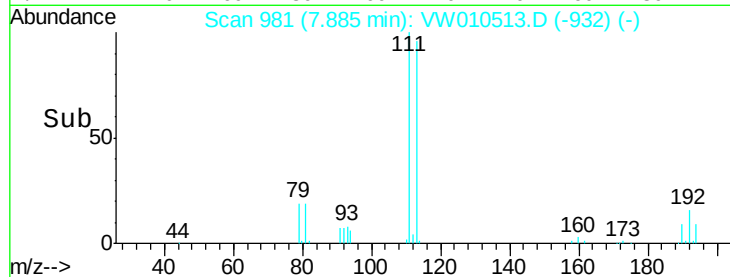
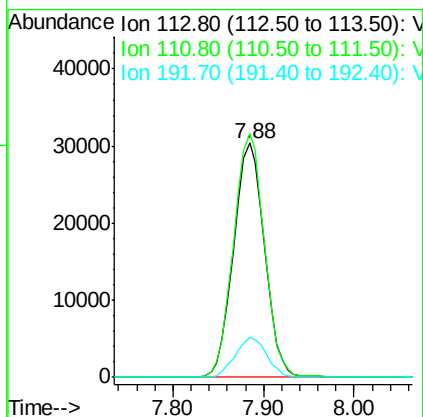
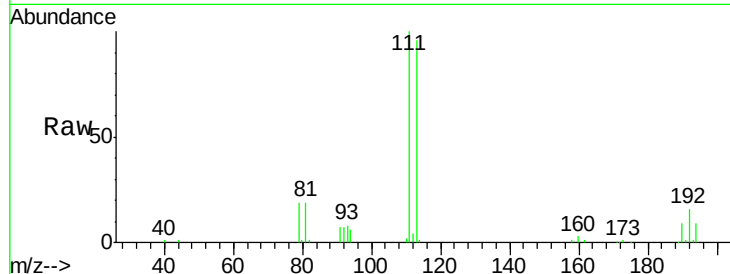




#35
 Dibromofluoromethane
 Concen: 51.273 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

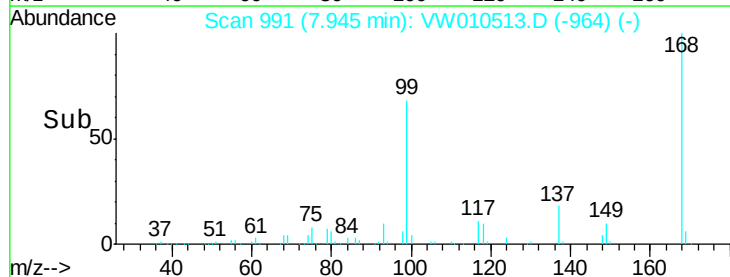
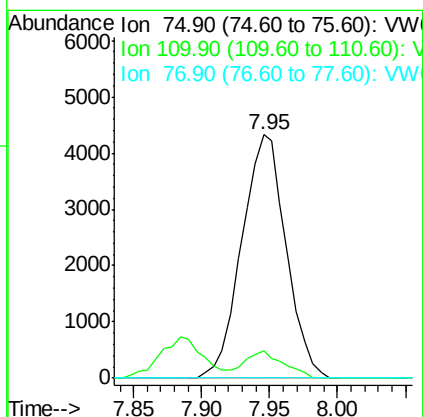
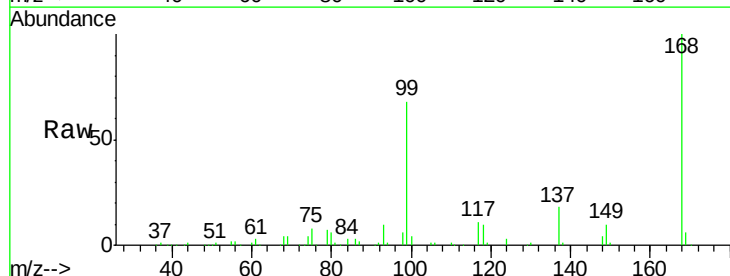
Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

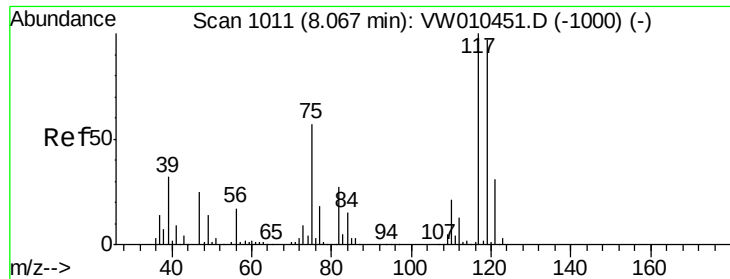
Tot Ion:113 Resp: 72235
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 17.0 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

Tgt Ion: 75 Resp: 9833
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

22-C4-20190401

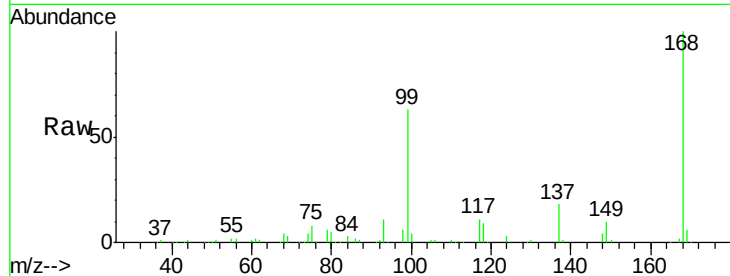
Tot Ion:117 Resp: 13563

Ion Ratio Lower Upper

117 100

119 3.6 77.4 116.0#

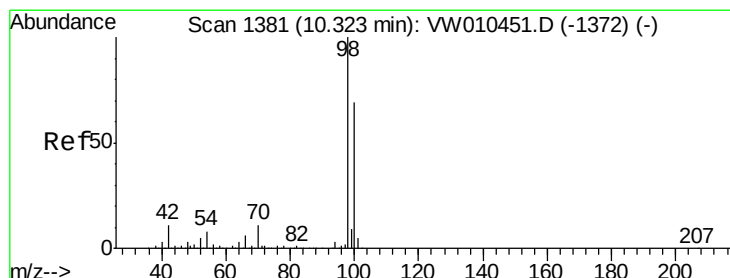
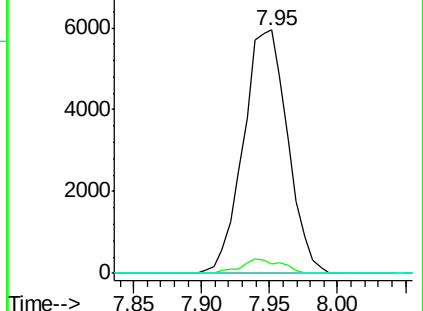
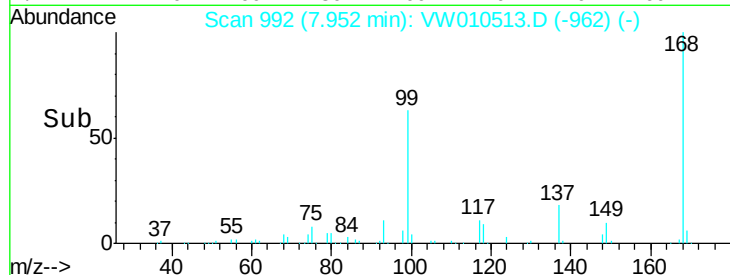
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 53.293 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010513.D

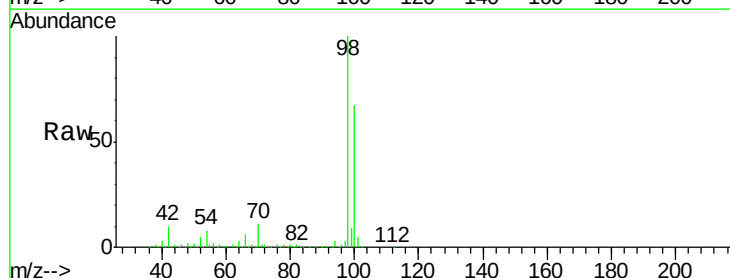
Acq: 22 May 2019 16:32

Tgt Ion: 98 Resp: 286824

Ion Ratio Lower Upper

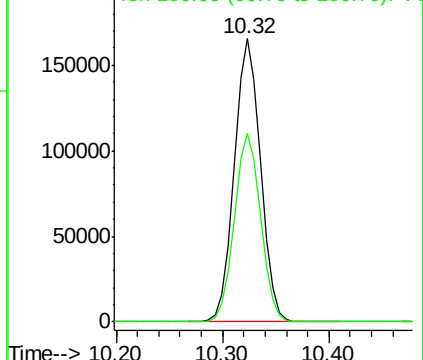
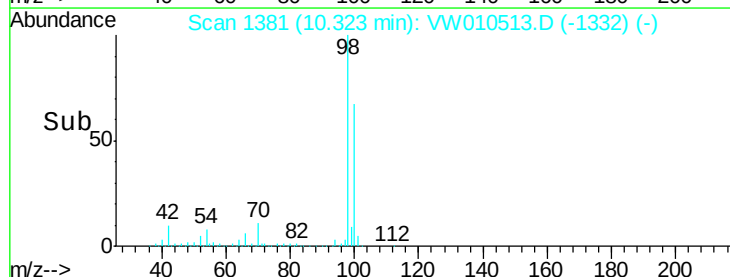
98 100

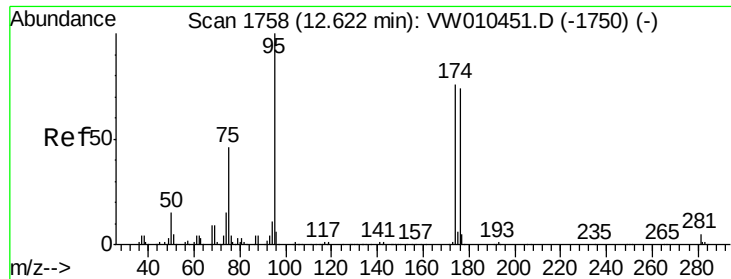
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

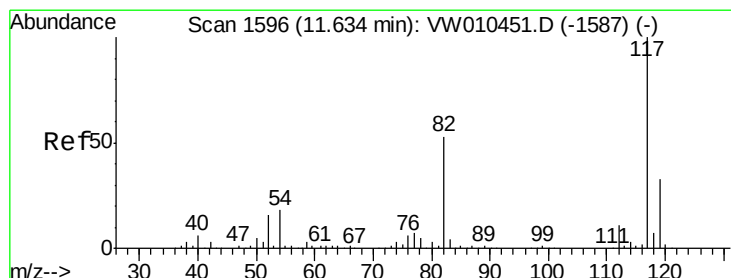
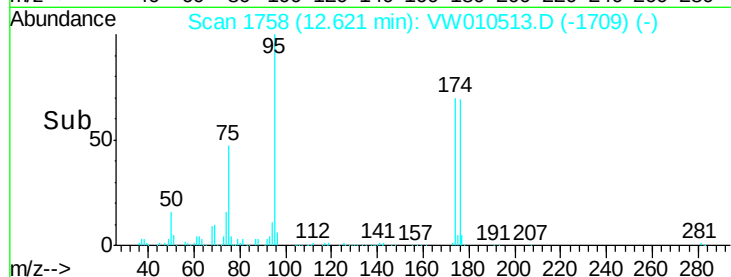
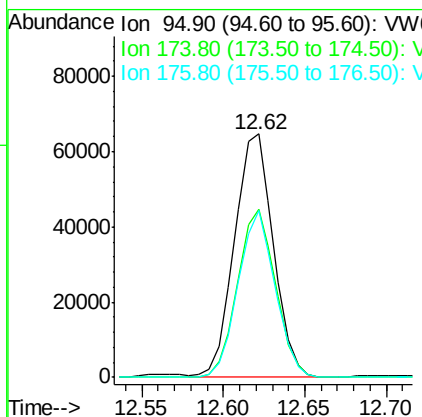
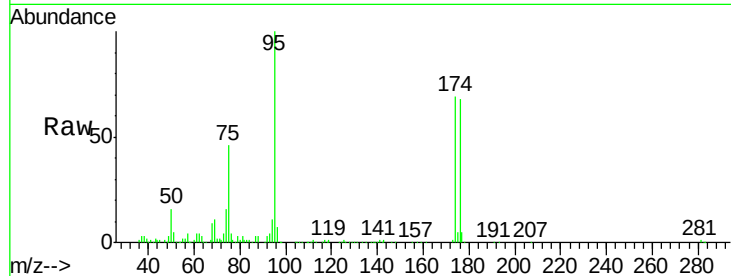




#62
4-Bromofluorobenzene
Concen: 49.730 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010513.D
Acq: 22 May 2019 16:32

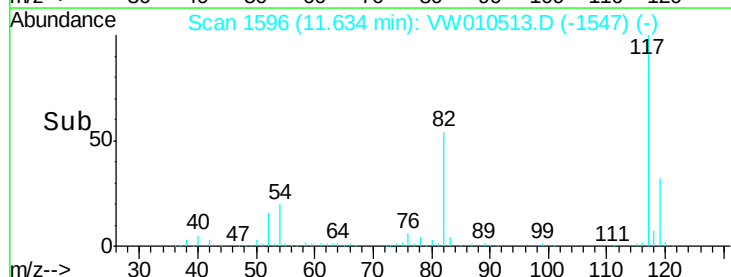
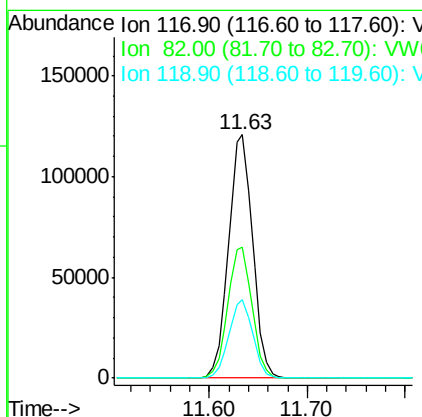
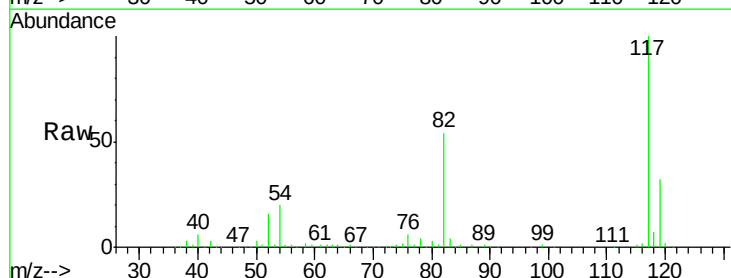
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

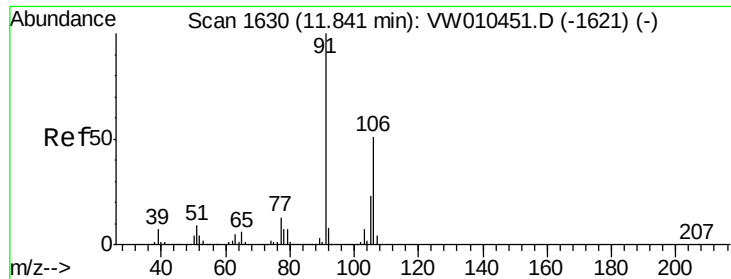
Tot Ion	95	Resp	106608
Ion Ratio	Lower	Upper	
95	100		
174	68.1	0.0	148.6
176	65.5	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010513.D
Acq: 22 May 2019 16:32

Tgt Ion	117	Resp	205684
Ion Ratio	Lower	Upper	
117	100		
82	53.7	42.8	64.2
119	32.3	26.3	39.5

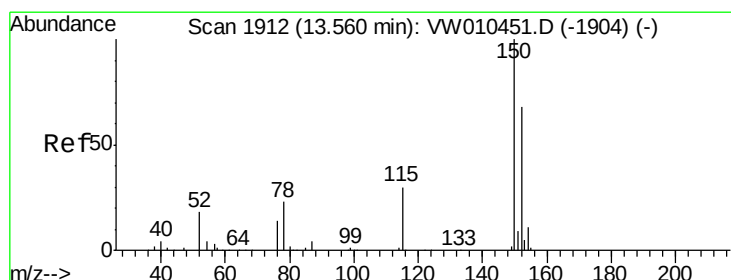
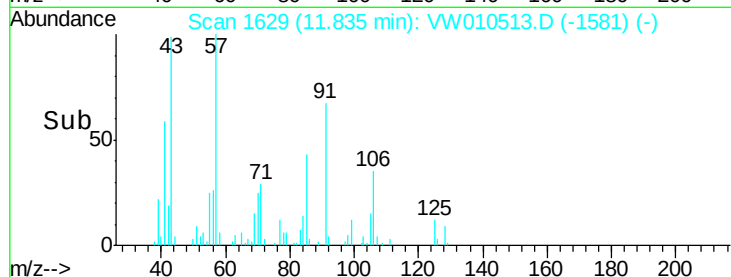
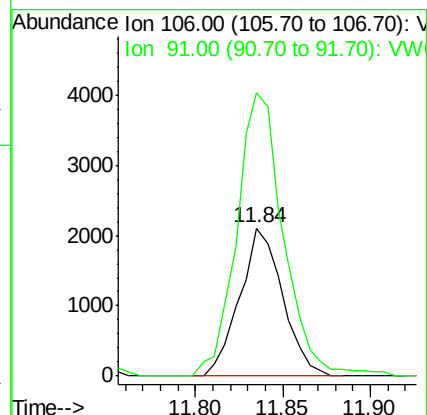
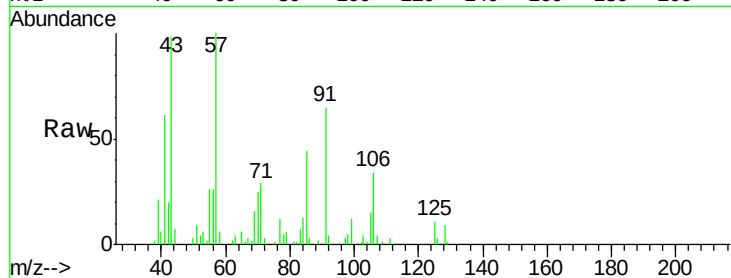




#68
m/p-Xvlenes
Concen: 1.186 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010513.D
Acq: 22 May 2019 16:32

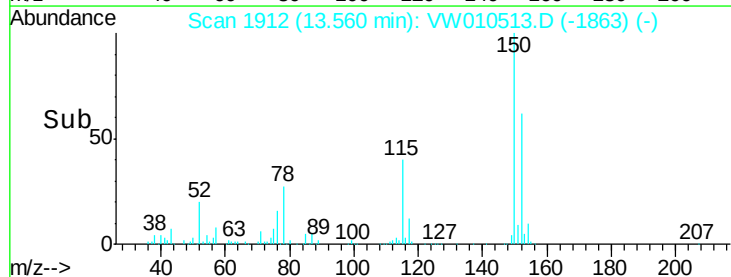
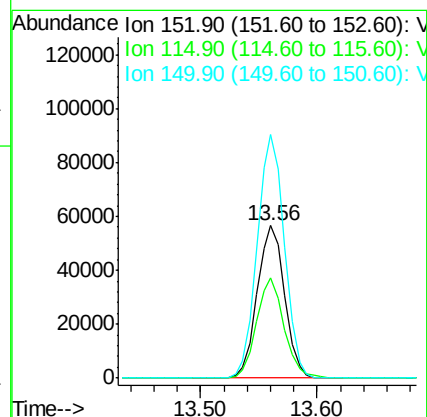
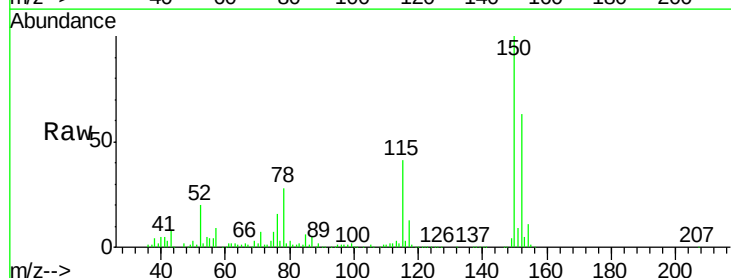
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

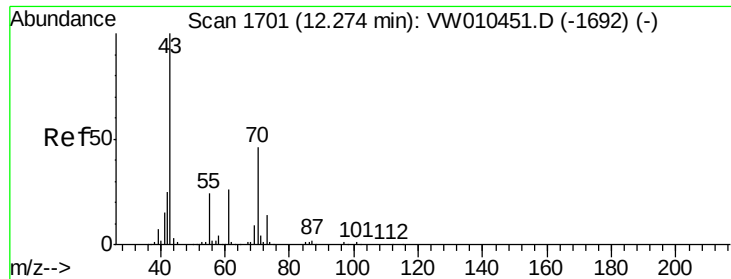
Tot Ion:106 Resp: 3599
Ion Ratio Lower Upper
106 100
91 208.5 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010513.D
Acq: 22 May 2019 16:32

Tgt Ion:152 Resp: 92406
Ion Ratio Lower Upper
152 100
115 66.5 30.3 91.0
150 158.4 0.0 349.8





#74

N-amvl acetate

Concen: 3.923 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

22-C4-20190401

Tot Ion: 43 Resp: 6592

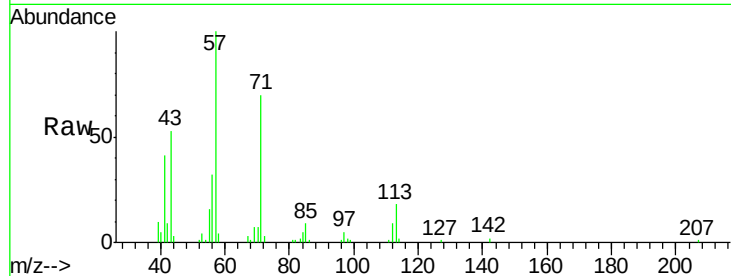
Ion Ratio Lower Upper

43 100

70 22.0 37.1 55.7#

55 15.0 19.6 29.4#

61 0.0 20.7 31.1#

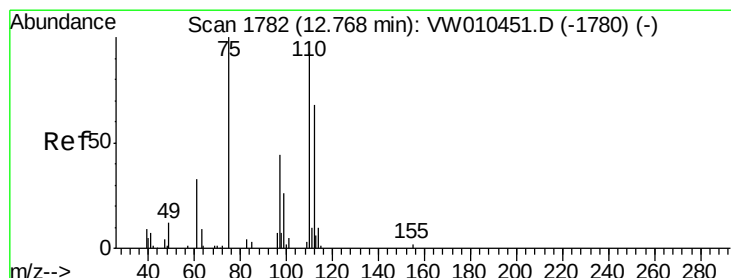
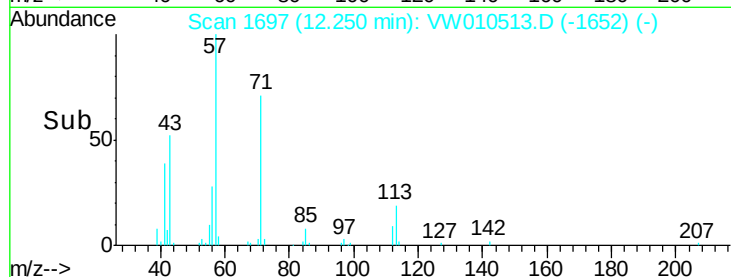
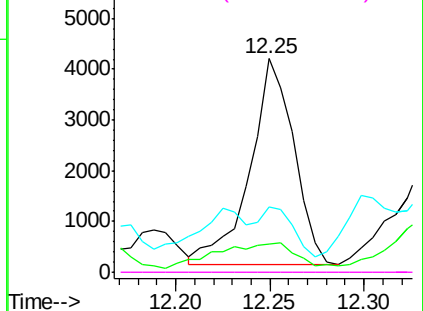


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 54.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010513.D

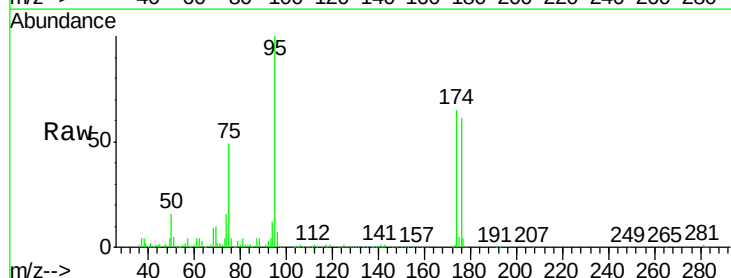
Acq: 22 May 2019 16:32

Tgt Ion: 75 Resp: 50935

Ion Ratio Lower Upper

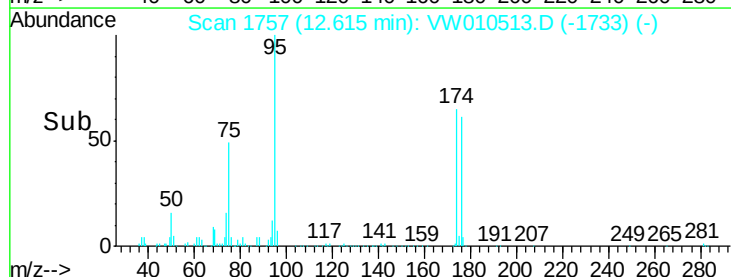
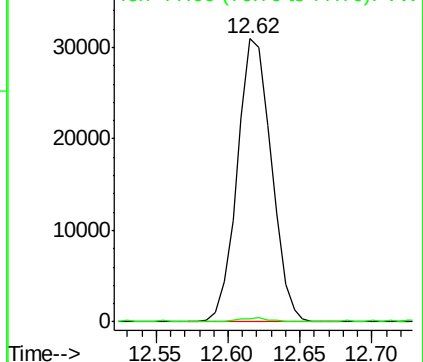
75 100

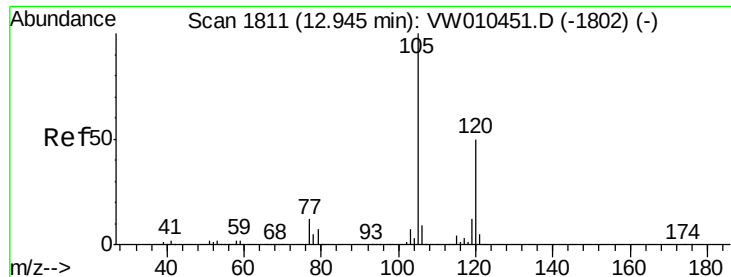
77 1.3 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

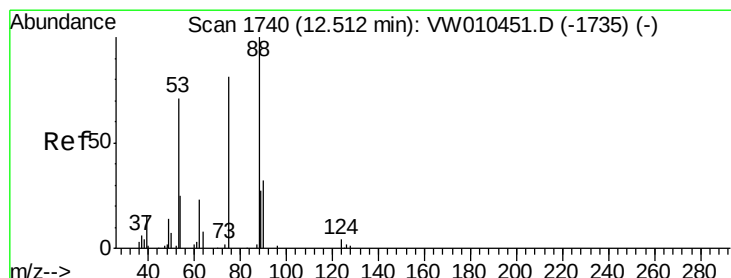
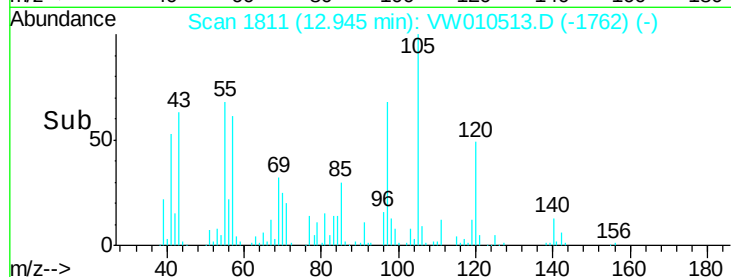
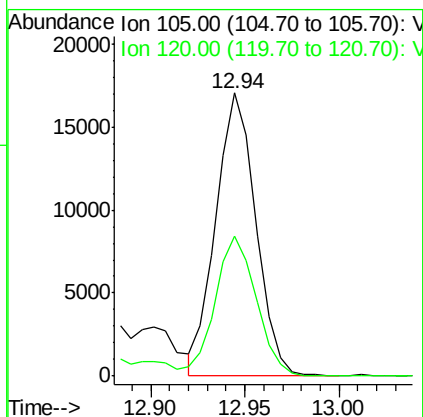
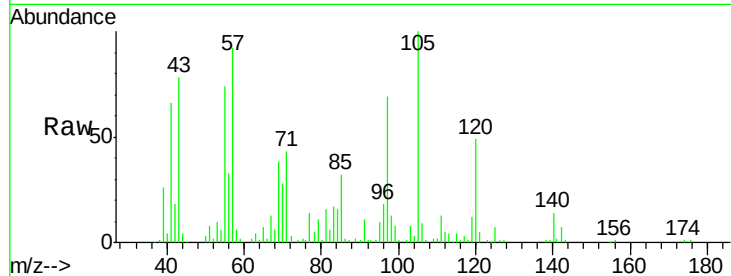




#80
 1,3,5-Trimethylbenzene
 Concen: 4.043 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

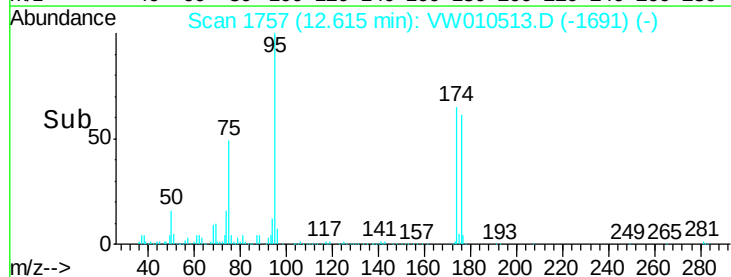
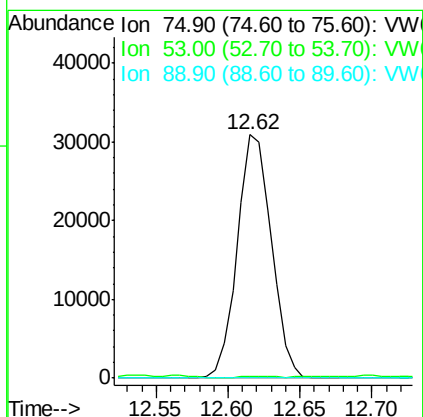
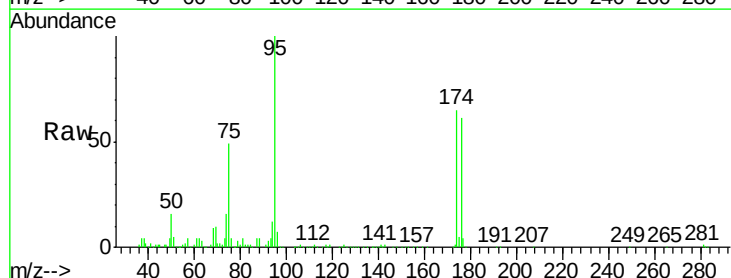
Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

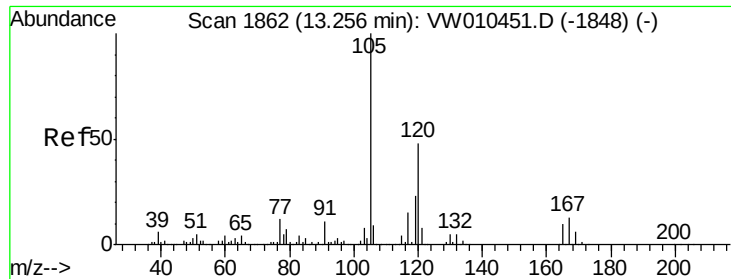
Tot Ion:105 Resp: 25107
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

Tgt Ion: 75 Resp: 50935
 Ion Ratio Lower Upper
 75 100
 53 0.2 69.8 104.8#
 89 0.0 39.5 59.3#

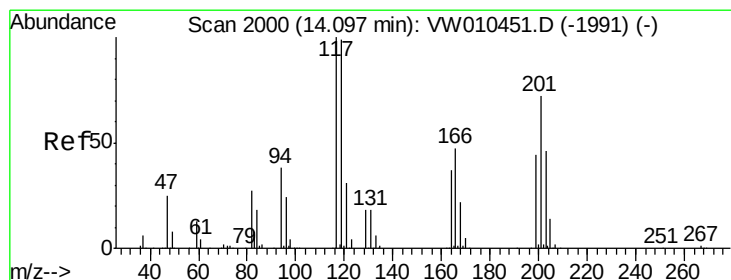
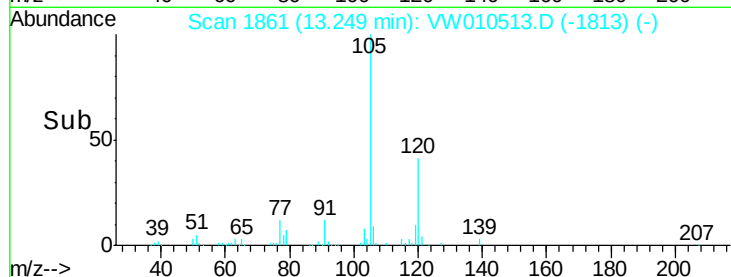
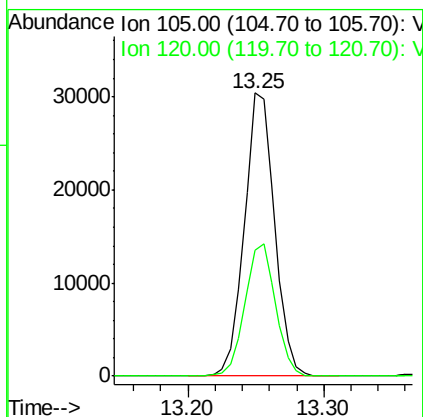
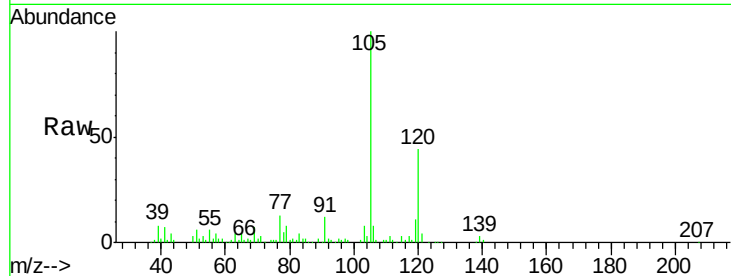




#84
 1,2,4-Trimethylbenzene
 Concen: 7.634 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

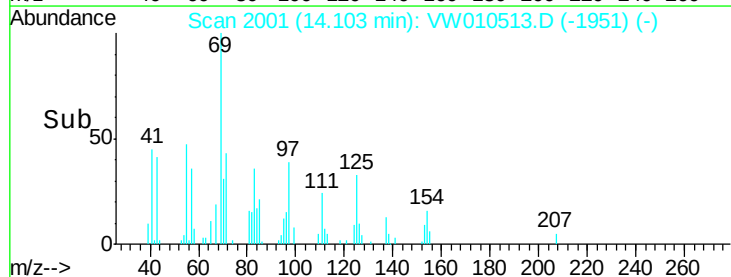
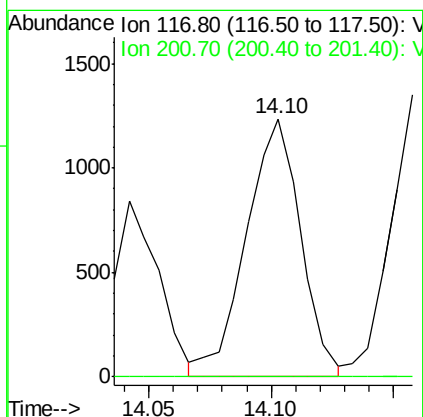
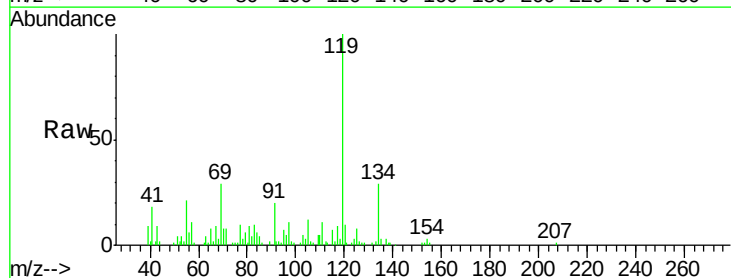
Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

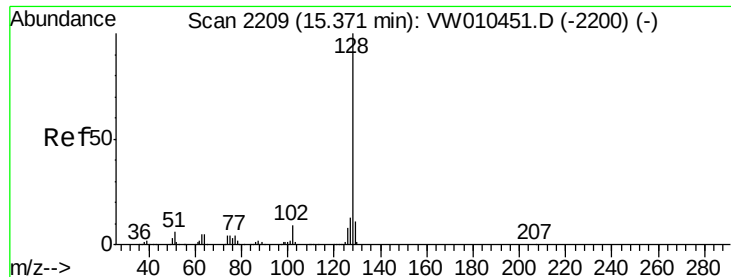
Tot Ion:105 Resp: 47216
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.2



#90
 Hexachloroethane
 Concen: 1.441 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW010513.D
 Acq: 22 May 2019 16:32

Tgt Ion:117 Resp: 1916
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.6 103.8#





#95

Naphthalene

Concen: 1.809 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010513.D

Acq: 22 May 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

22-C4-20190401

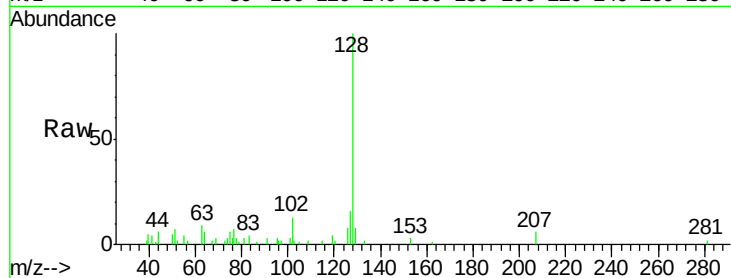
Tot Ion:128 Resp: 7580

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 11.1 8.9 13.3



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

