

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015327.D
 Acq On : 23 Apr 2020 12:58
 Operator : SY/VA
 Sample : L2117-06
 Misc : 7.81G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 06:35:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100436	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	83305	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	7.88	113	85753	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	10.32	98	349721	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.62	95	109768	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	

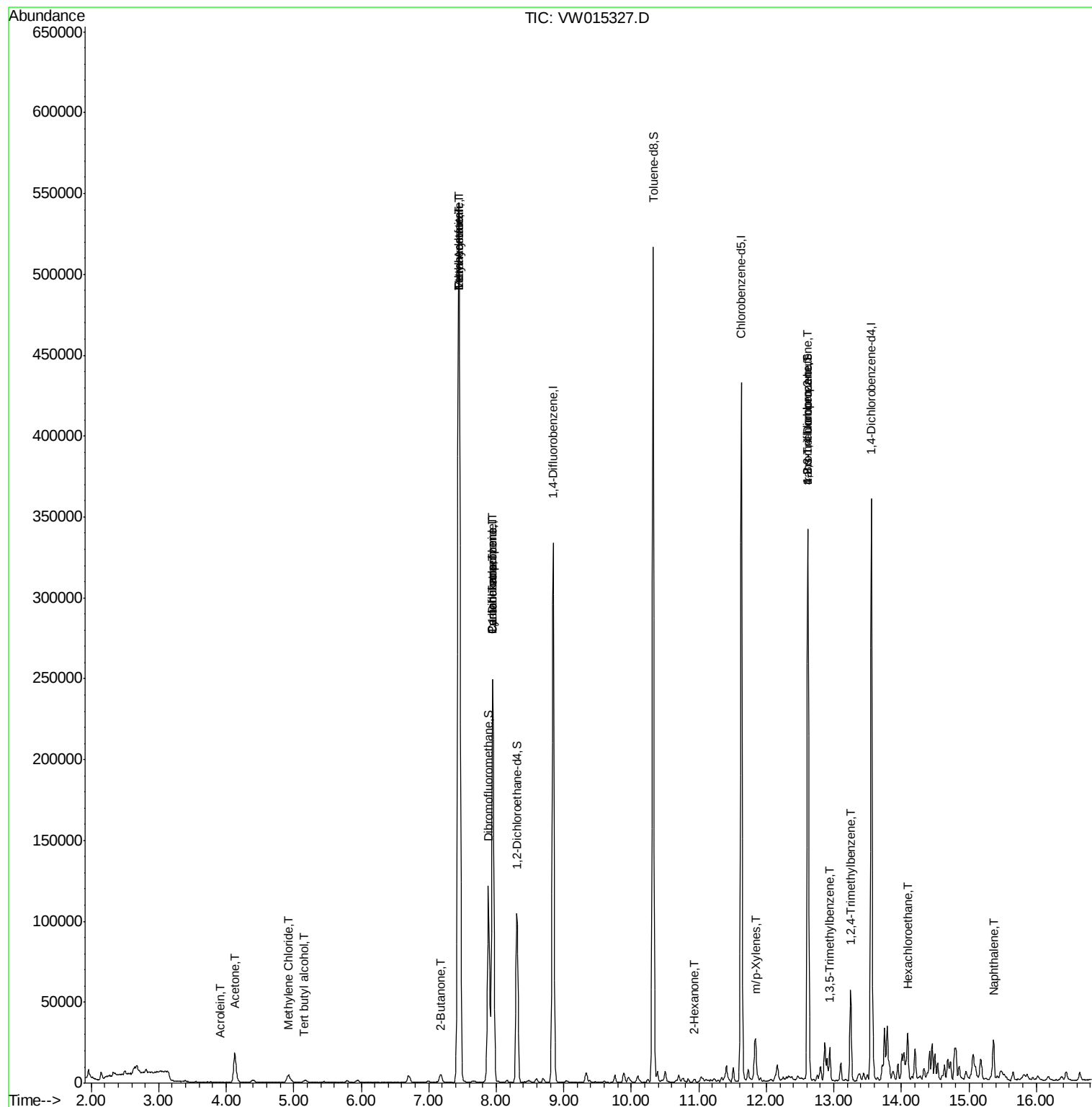
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	2623	18.916	ug/l #	85
13) Acrolein	3.91	56	224	3.086	ug/l #	42
16) Acetone	4.13	43	32203	108.385	ug/l	95
20) Methylene Chloride	4.92	84	3848	1.976	ug/l	96
25) 2-Butanone	7.18	43	8412	21.340	ug/l #	88
29) Tetrahydrofuran	7.45	42	63307	257.776	ug/l #	32
31) Cyclohexane	7.95	56	4560	1.450	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13600	5.069	ug/l #	49
37) Ethyl Acetate	7.45	43	452723	519.950	ug/l #	67
38) Carbon Tetrachloride	7.95	117	18187	6.203	ug/l #	17
41) Methacrylonitrile	7.45	41	271577	519.830	ug/l #	44
59) 2-Hexanone	10.93	43	953	1.557	ug/l #	23
68) m/p-Xylenes	11.84	106	7337	2.031	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	54703	70.405	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	9797	1.633	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	54703	153.905	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.25	105	30525	5.159	ug/l	100
90) Hexachloroethane	14.10	117	1542	1.250	ug/l #	16
95) Naphthalene	15.36	128	21680	7.019	ug/l	98

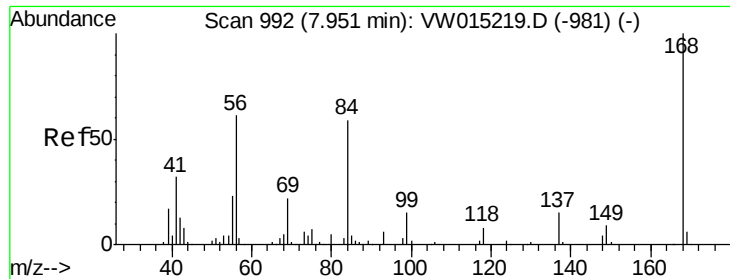
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042320\
Data File : VW015327.D
Acq On : 23 Apr 2020 12:58
Operator : SY/VA
Sample : L2117-06
Misc : 7.81G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Apr 24 06:35:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
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: VW015327.D

Acq: 23 Apr 2020 12:58

Instrument :

MSVOA_W

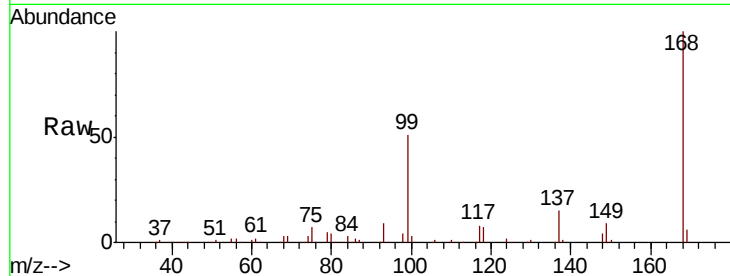
ClientSampled :

Tot Ion:168 Resp: 208022

Ion Ratio Lower Upper

168 100

99 50.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

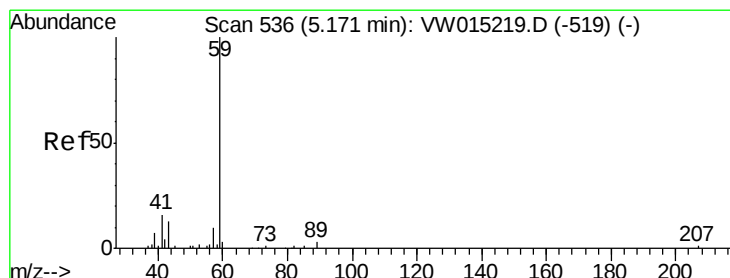
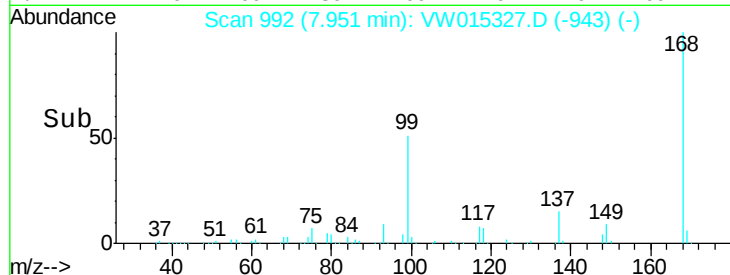
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.916 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015327.D

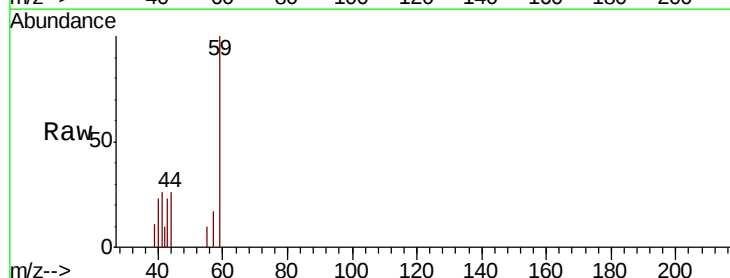
Acq: 23 Apr 2020 12:58

Tgt Ion: 59 Resp: 2623

Ion Ratio Lower Upper

59 100

57 4.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

800

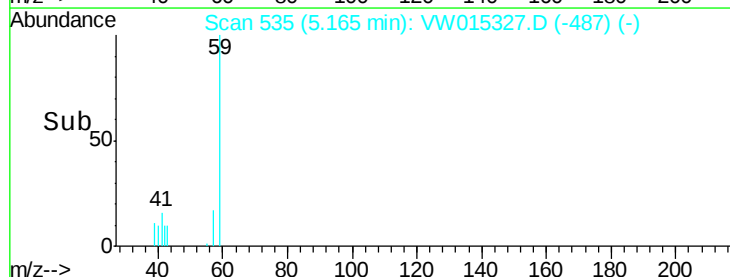
600

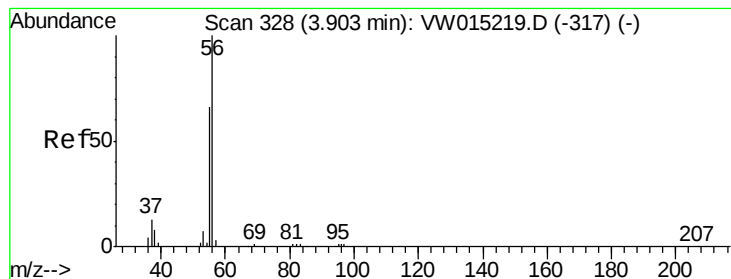
400

200

0

Time-->





#13

Acrolein

Concen: 3.086 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015327.D

Acq: 23 Apr 2020 12:58

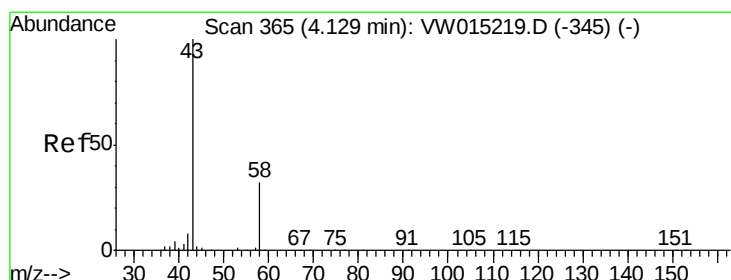
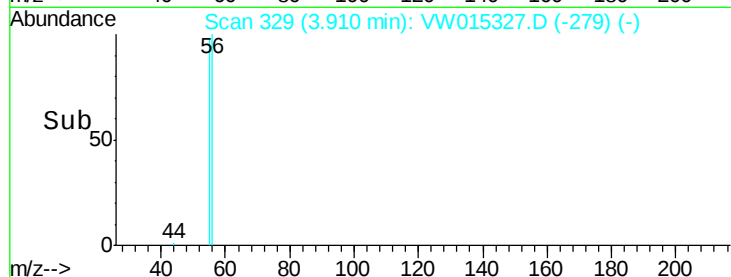
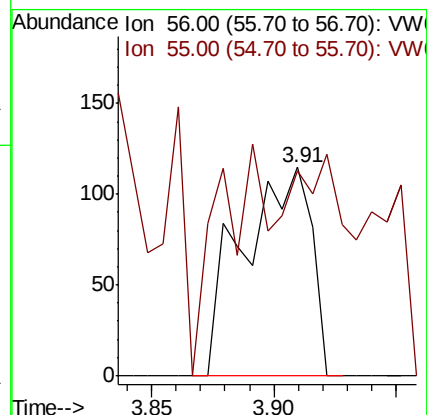
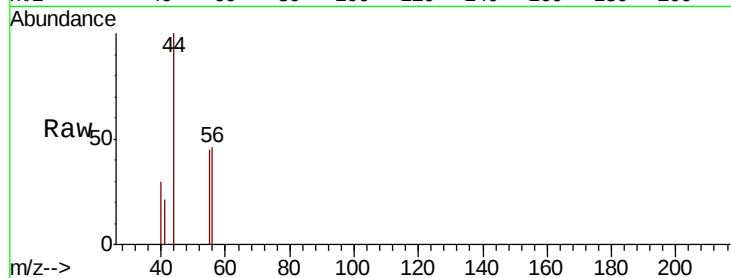
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 22.3 56.2 84.2#



#16

Acetone

Concen: 108.385 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015327.D

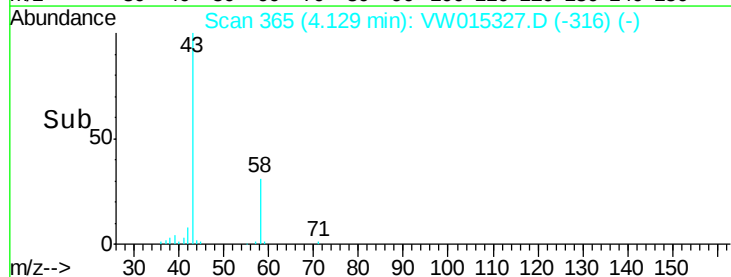
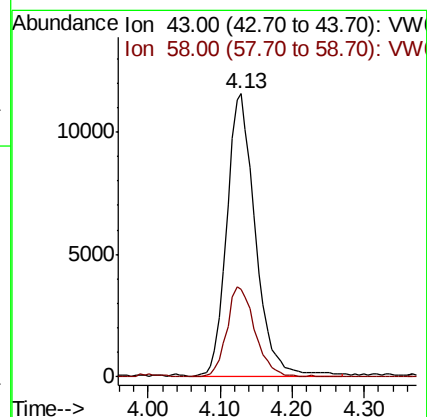
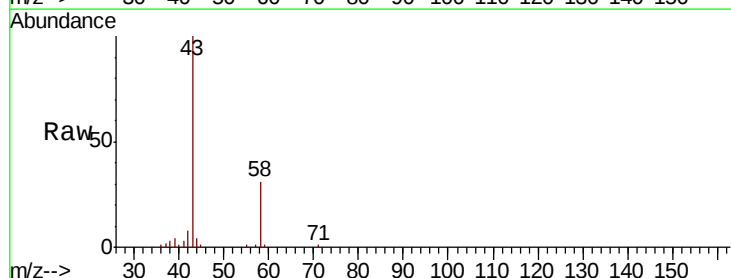
Acq: 23 Apr 2020 12:58

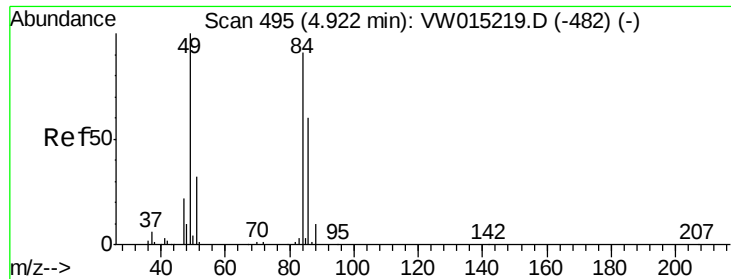
Tgt Ion: 43 Resp: 32203

Ion Ratio Lower Upper

43 100

58 31.1 27.0 40.4

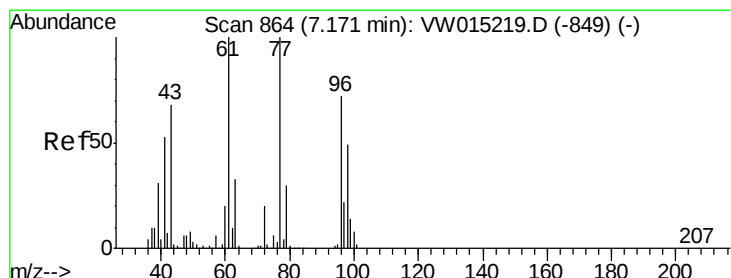
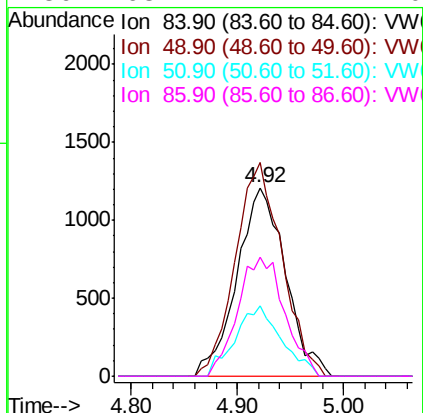
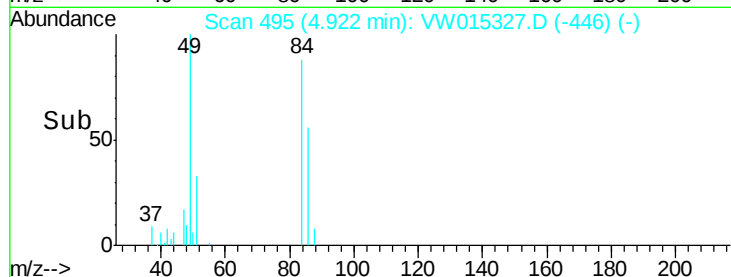
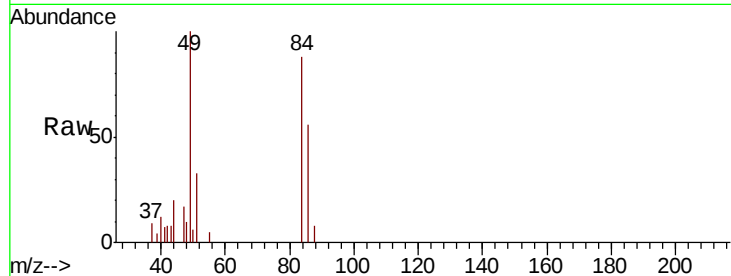




#20
Methvlene Chloride
Concen: 1.976 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

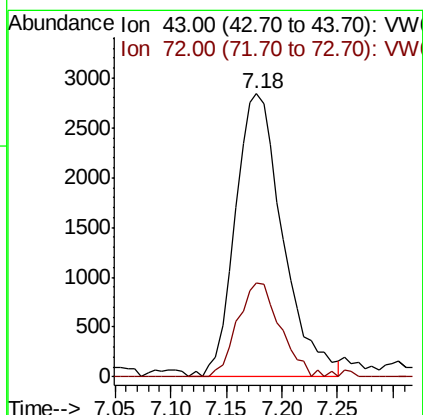
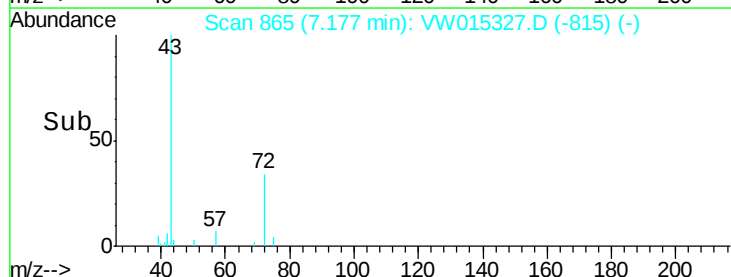
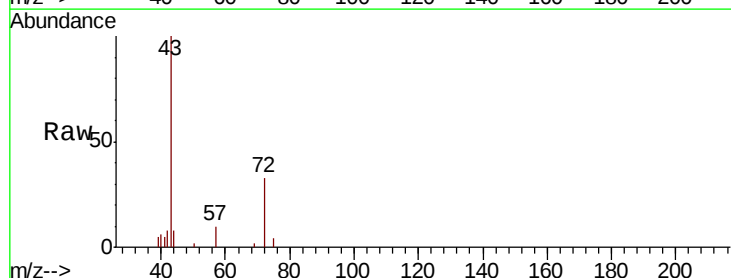
Instrument :
MSVOA_W
ClientSampled :

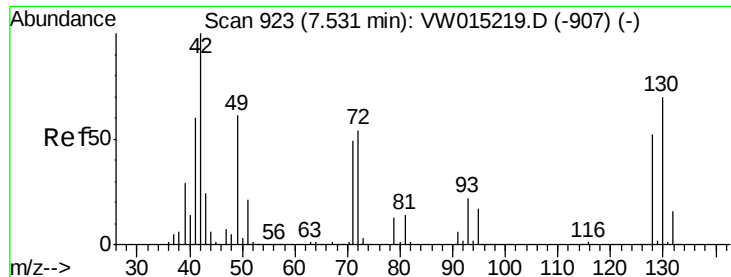
Tot Ion: 84 Resp: 3848
Ion Ratio Lower Upper
84 100
49 113.5 95.4 143.0
51 37.4 29.8 44.8
86 63.4 47.4 71.0



#25
2-Butanone
Concen: 21.340 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

Tgt Ion: 43 Resp: 8412
Ion Ratio Lower Upper
43 100
72 33.0 21.6 32.4#

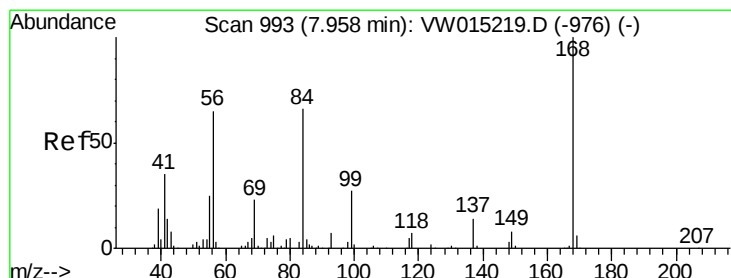
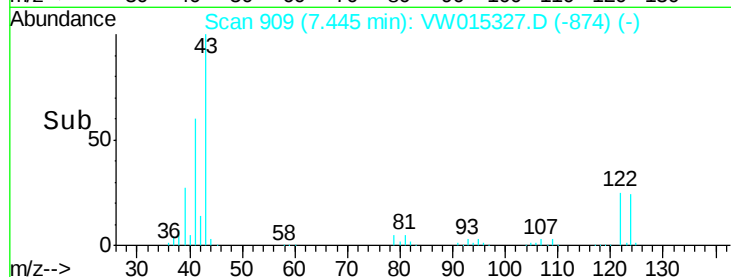
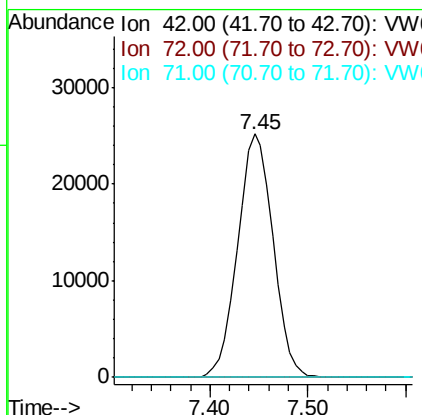
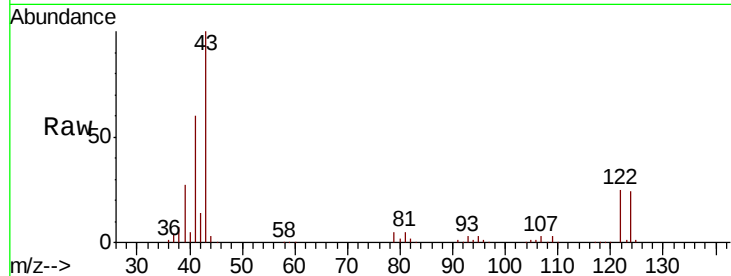




#29
Tetrahydrofuran
Concen: 257.776 ug/l
RT: 7.45 min Scan# 909
Delta R.T. -0.09 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

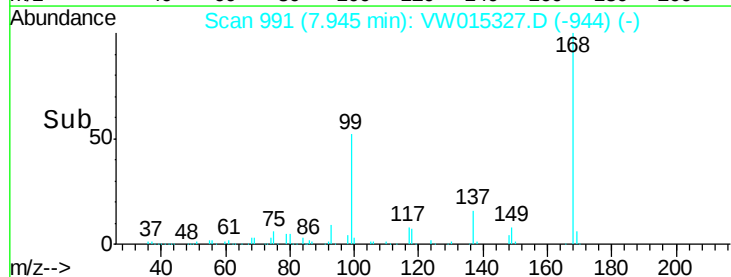
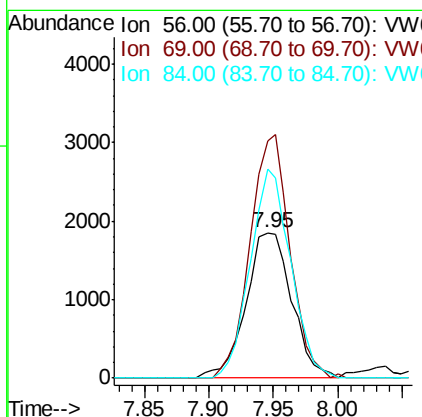
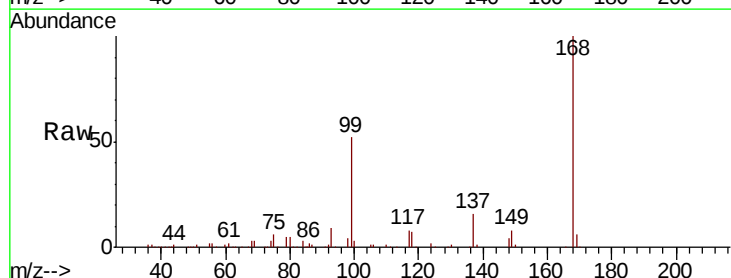
Instrument :
MSVOA_W
ClientSampleId :

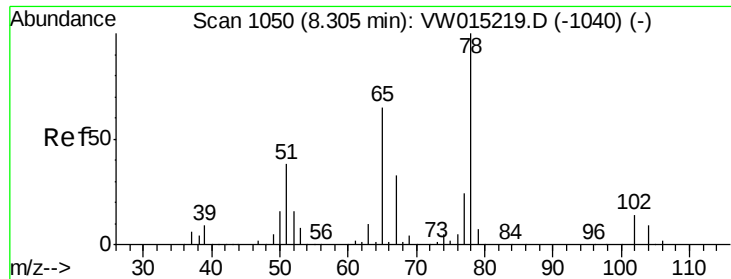
Tot Ion: 42 Resp: 63307
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.2#
71 0.0 34.2 51.4#



#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

Tgt Ion: 56 Resp: 4560
Ion Ratio Lower Upper
56 100
69 163.4 27.1 40.7#
84 144.0 71.9 107.9#

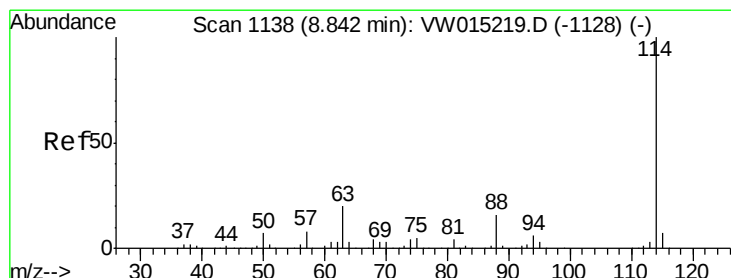
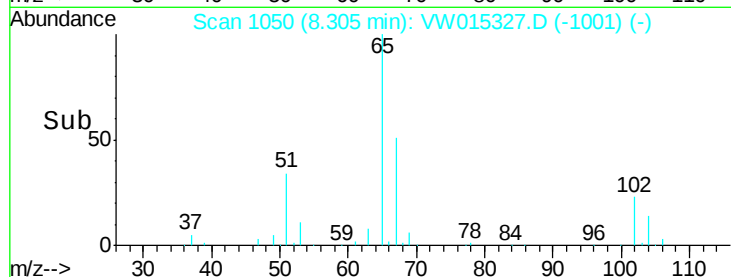
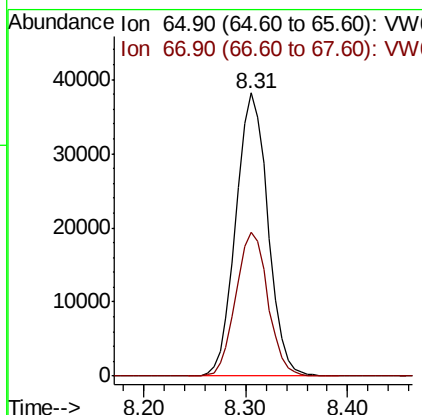
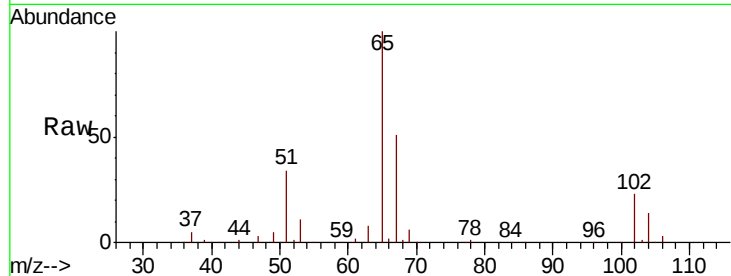




#33
 1,2-Dichloroethane-d4
 Concen: 48.971 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

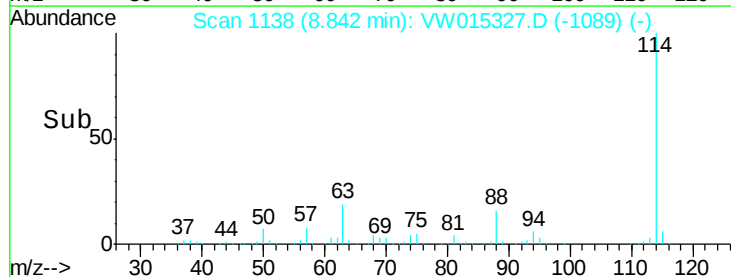
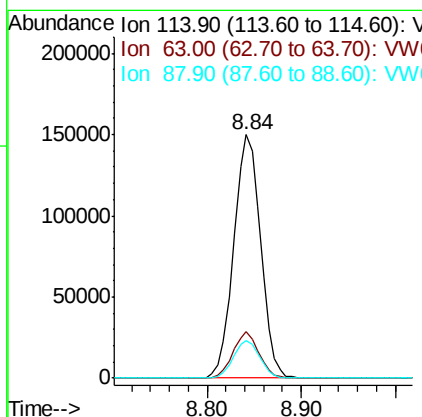
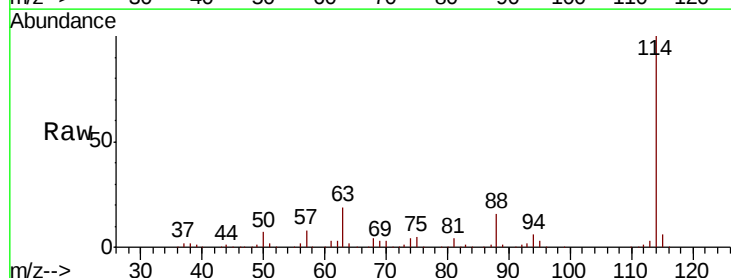
Instrument :
 MSVOA_W
 ClientSampled :

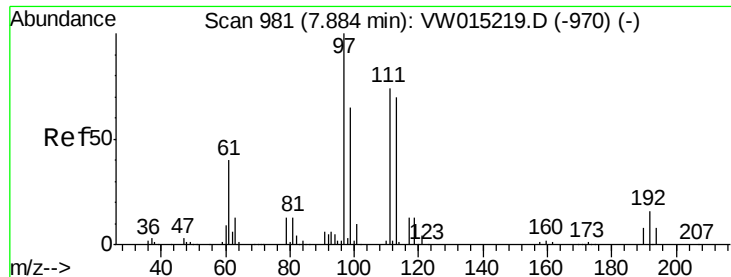
Tot Ion: 65 Resp: 83305
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

Tgt Ion: 114 Resp: 297252
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 15.7 0.0 30.2

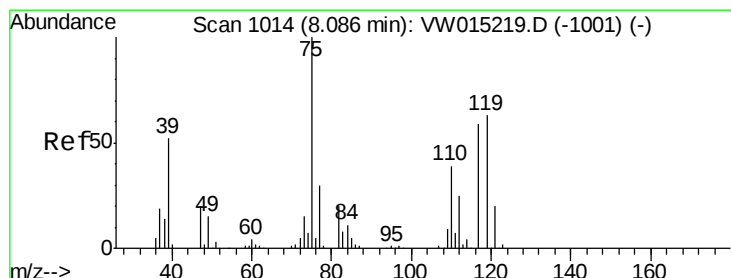
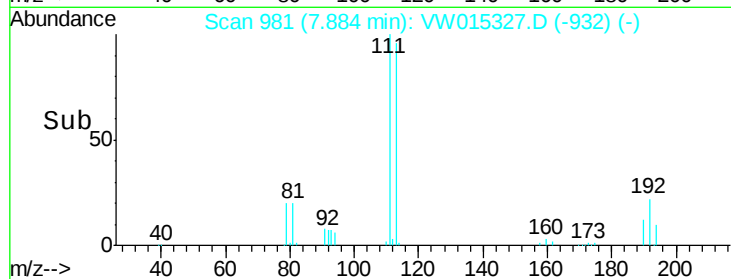
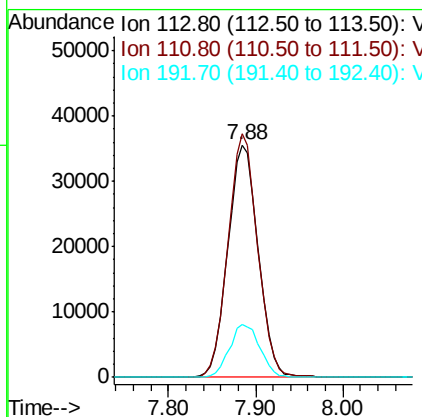
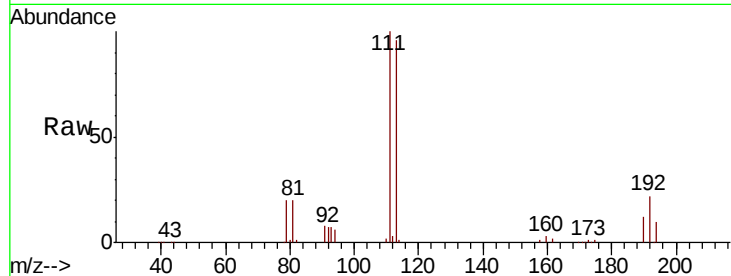




#35
 Dibromofluoromethane
 Concen: 52.081 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

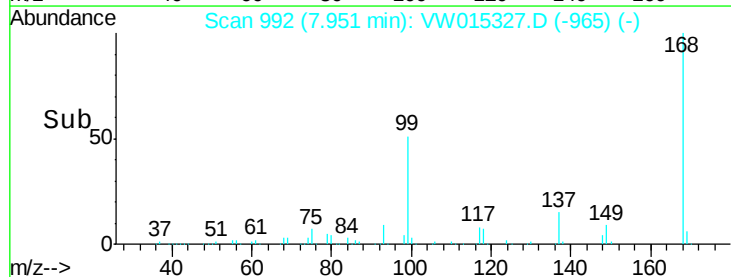
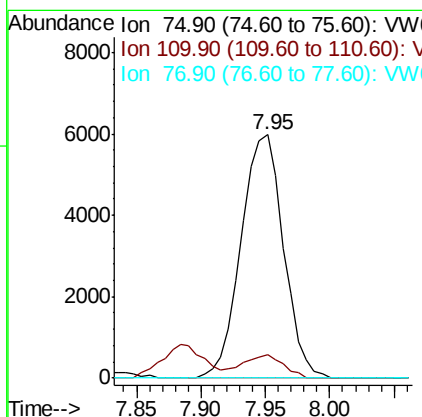
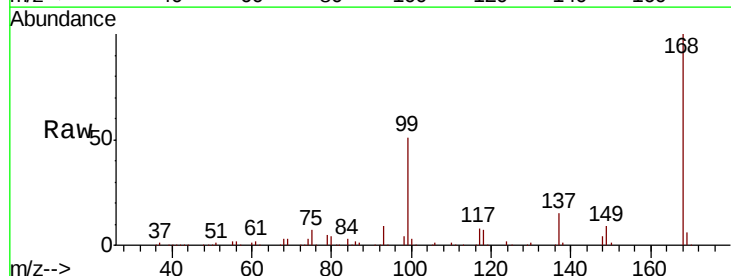
Instrument :
 MSVOA_W
 ClientSampleId :

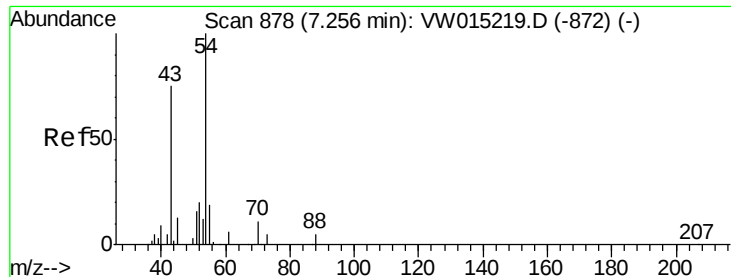
Tot Ion:113 Resp: 85753
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 22.9 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

Tgt Ion: 75 Resp: 13600
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.5 36.7#

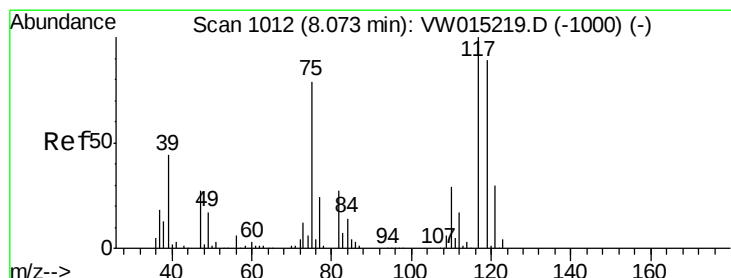
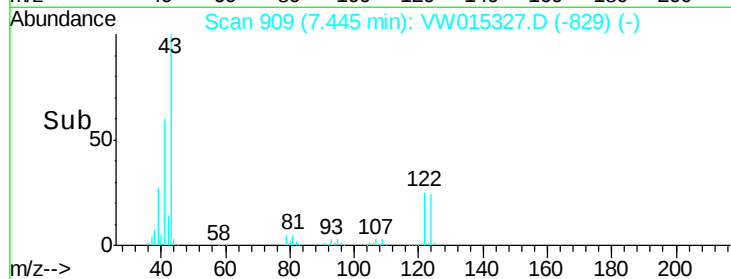
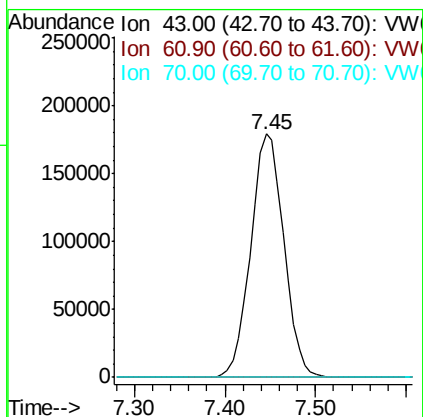
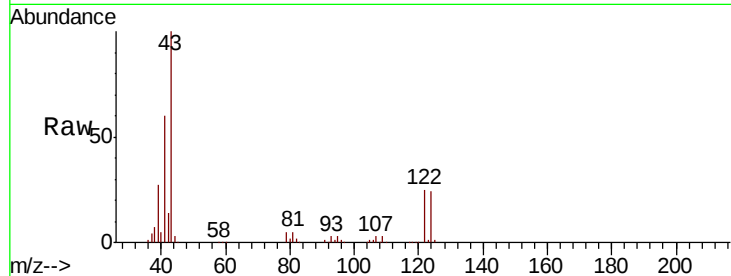




#37
Ethyl Acetate
Concen: 519.950 ug/l
RT: 7.45 min Scan# 909
Delta R.T. 0.19 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

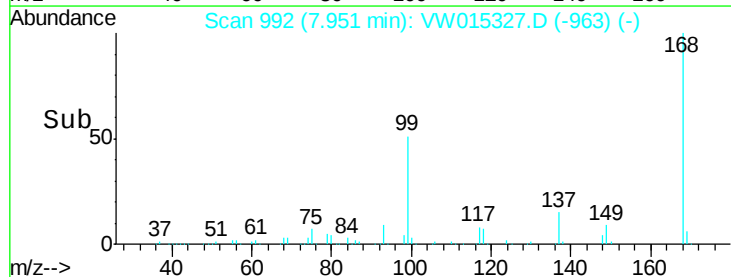
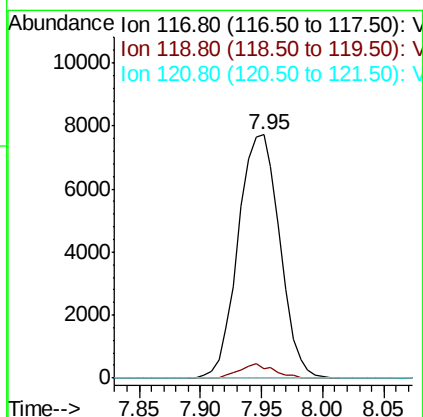
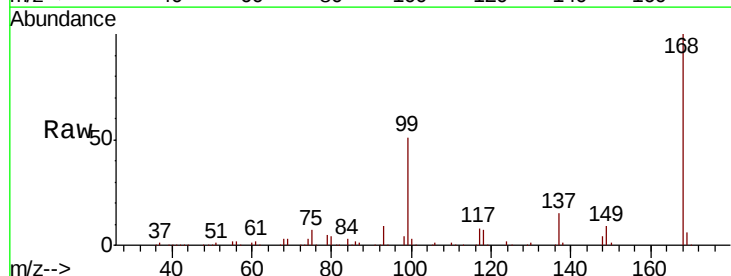
Instrument :
MSVOA_W
ClientSampleId :

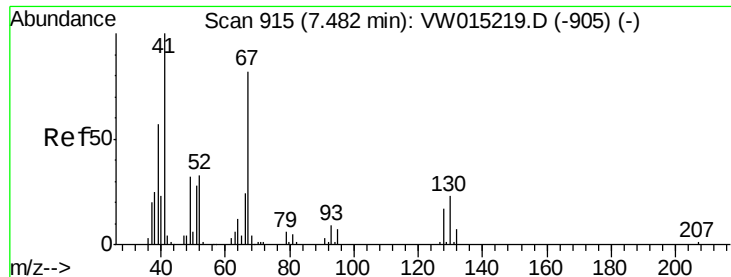
Tot Ion: 43 Resp: 452723
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

Tgt Ion: 117 Resp: 18187
Ion Ratio Lower Upper
117 100
119 3.7 72.3 108.5#
121 0.0 23.7 35.5#

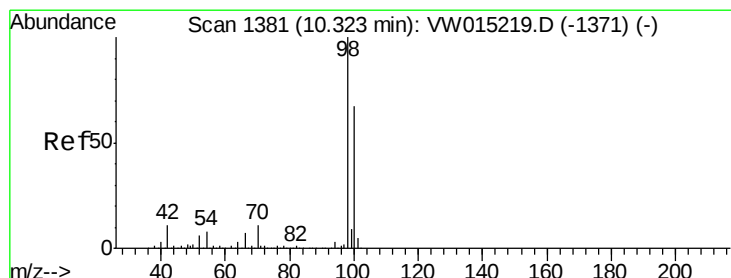
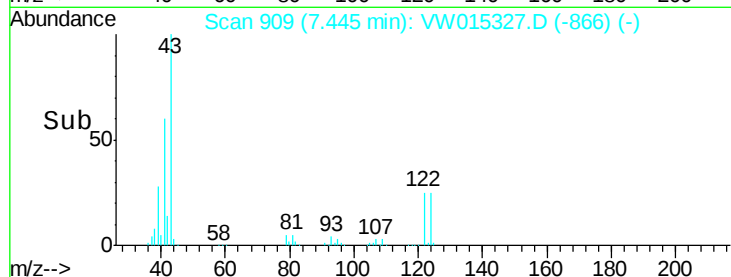
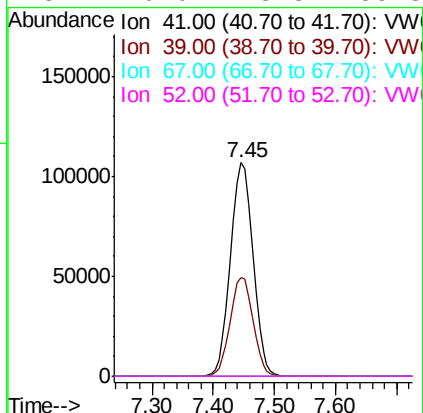
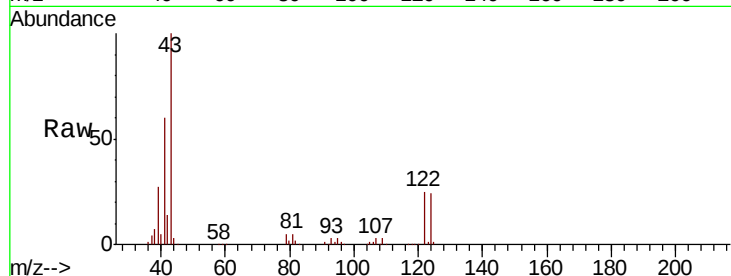




#41
Methacrylonitrile
Concen: 519.830 ug/l
RT: 7.45 min Scan# 909
Delta R.T. -0.04 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

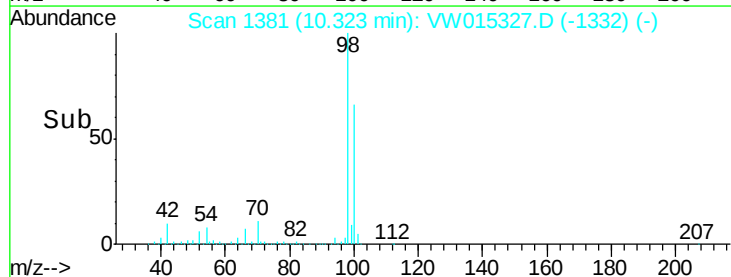
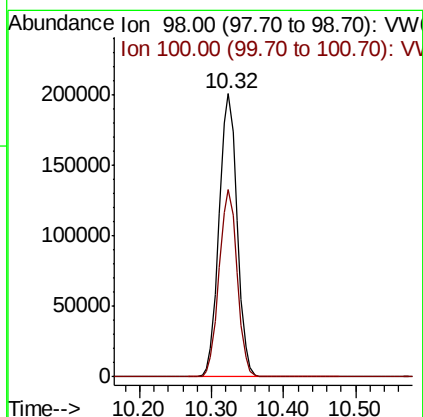
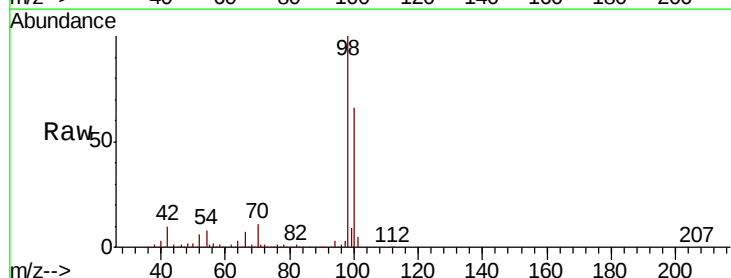
Instrument :
MSVOA_W
ClientSampleId :

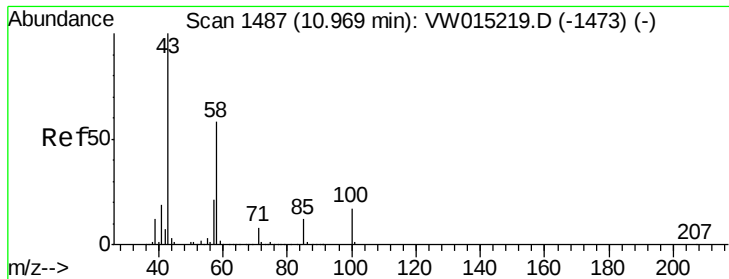
Tot Ion:	41	Resp:	271577
Ion	Ratio	Lower	Upper
41	100		
39	46.7	41.9	62.9
67	0.0	60.6	91.0#
52	0.0	23.8	35.8#



#50
Toluene-d8
Concen: 50.491 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

Tgt Ion:	98	Resp:	349721
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#59

2-Hexanone

Concen: 1.557 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW015327.D

Acq: 23 Apr 2020 12:58

Instrument :

MSVOA_W

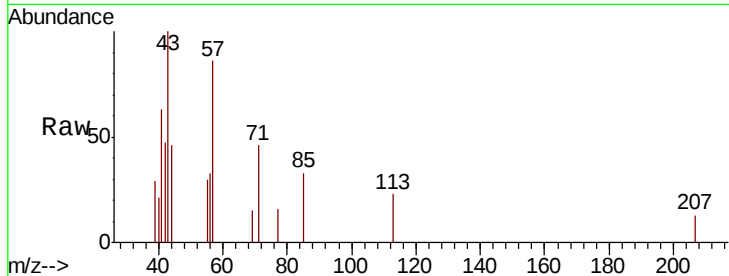
ClientSampled :

Tot Ion: 43 Resp: 953

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.93

400

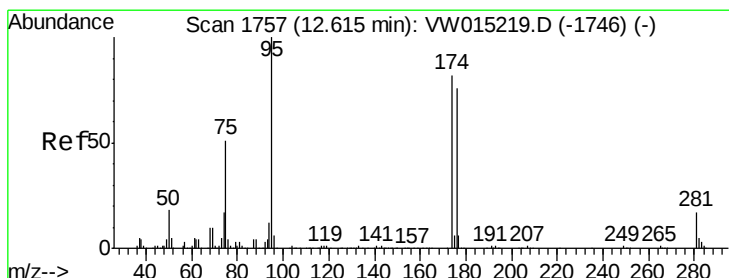
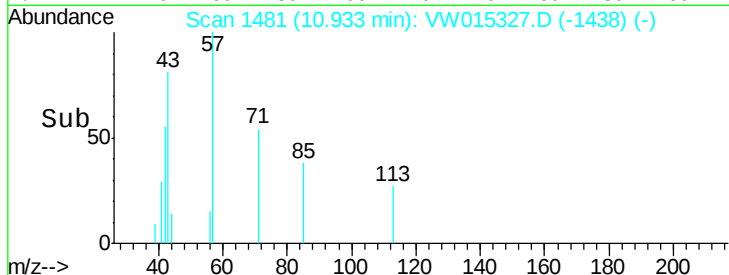
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.535 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015327.D

Acq: 23 Apr 2020 12:58

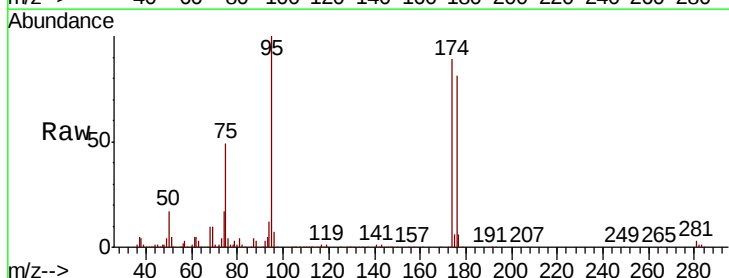
Tgt Ion: 95 Resp: 109768

Ion Ratio Lower Upper

95 100

174 89.4 0.0 144.4

176 85.6 0.0 140.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

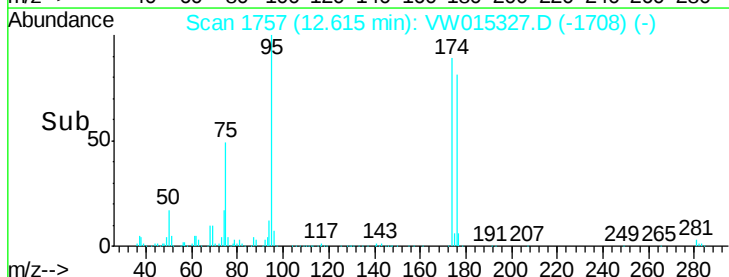
60000

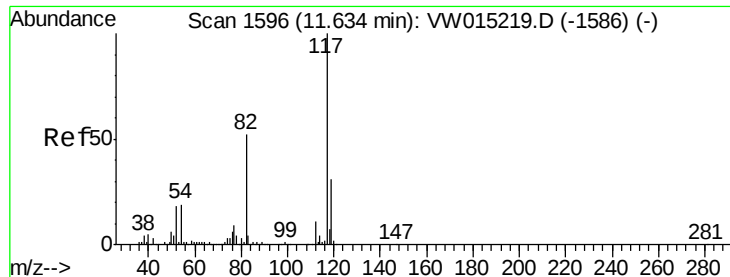
40000

20000

0

Time-->

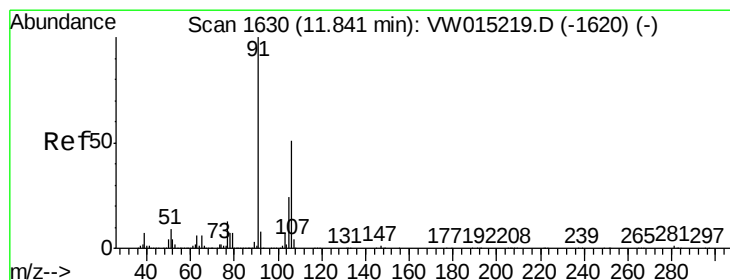
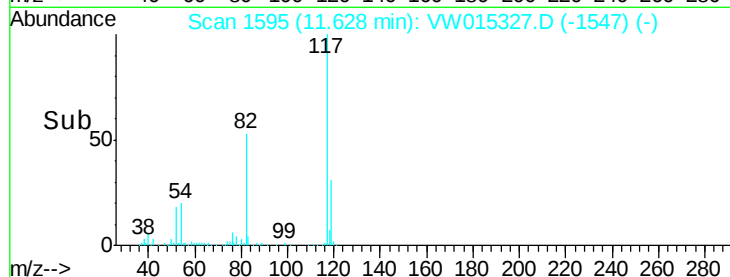
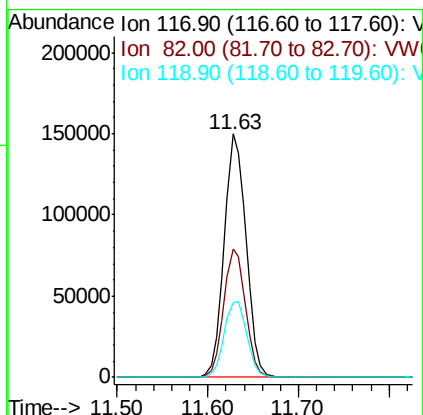
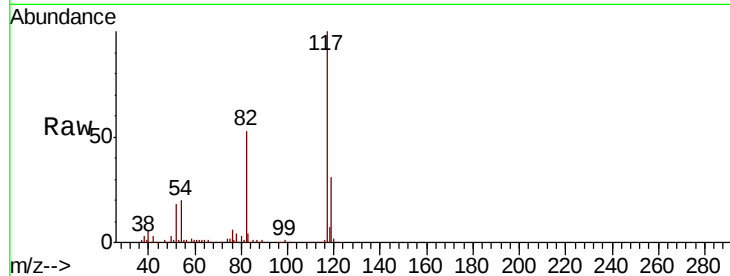




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

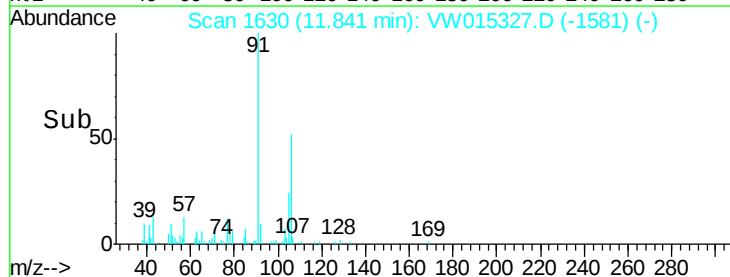
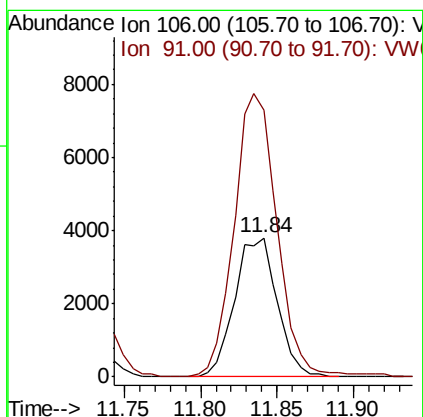
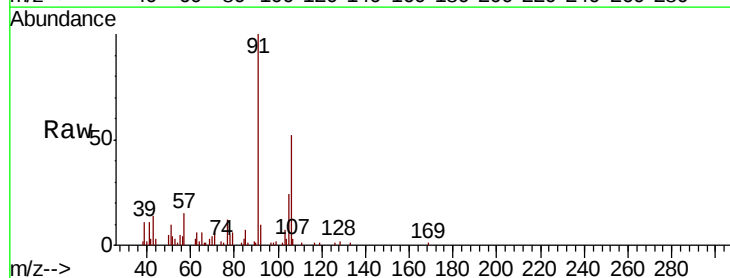
Instrument :
MSVOA_W
ClientSampleId :

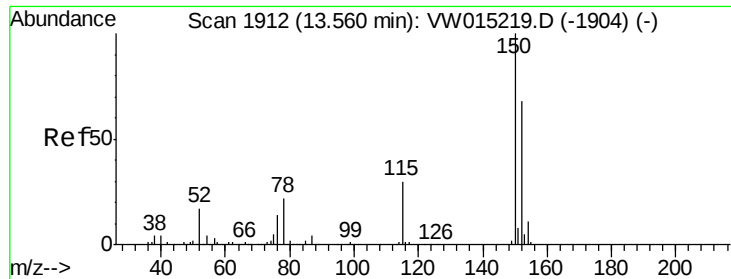
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.1	66.1
119	30.7	24.9	37.3



#68
m/p-Xylenes
Concen: 2.031 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015327.D
Acq: 23 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.6	160.0	240.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015327.D

Acq: 23 Apr 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

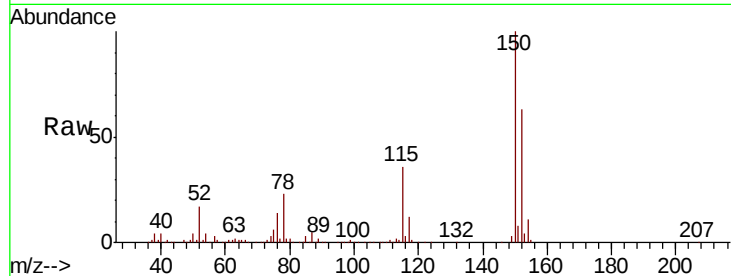
Tot Ion:152 Resp: 100436

Ion Ratio Lower Upper

152 100

115 57.6 31.3 93.9

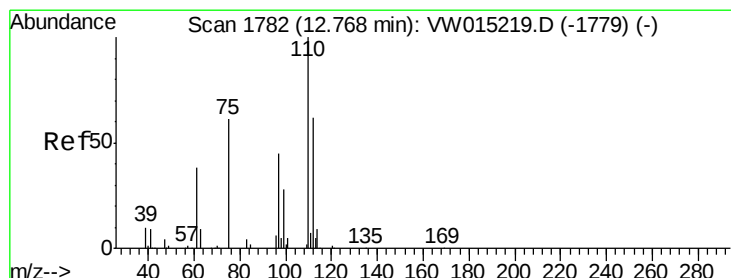
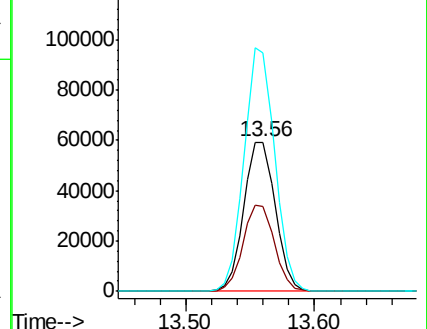
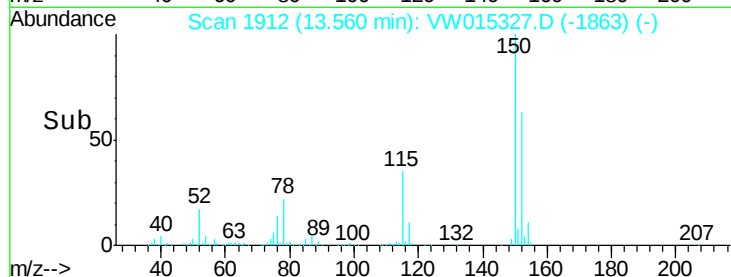
150 158.3 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 70.405 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015327.D

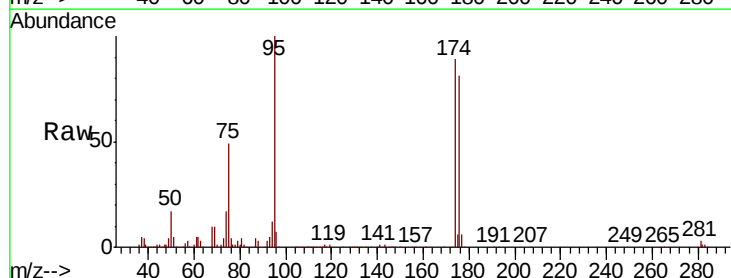
Acq: 23 Apr 2020 12:58

Tgt Ion: 75 Resp: 54703

Ion Ratio Lower Upper

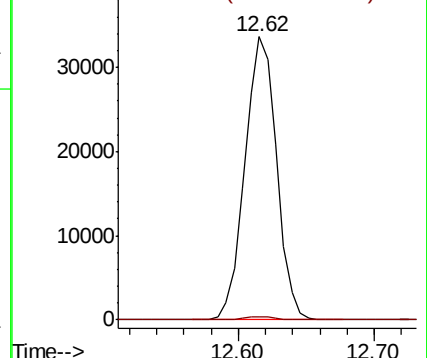
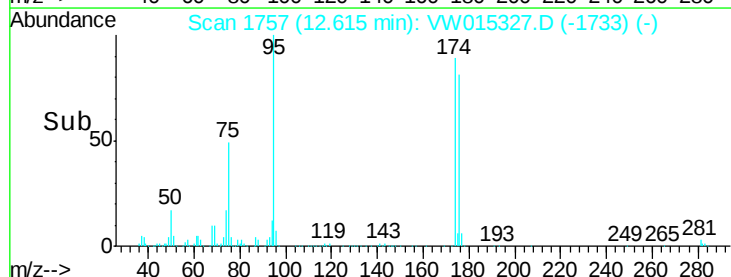
75 100

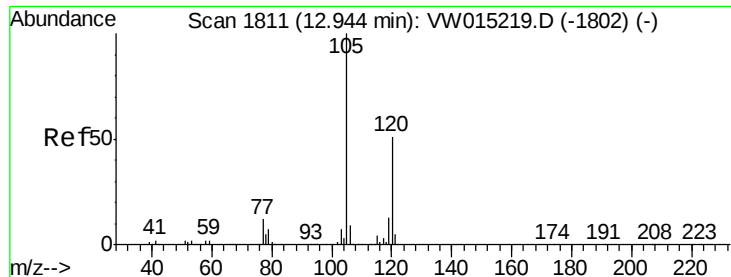
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

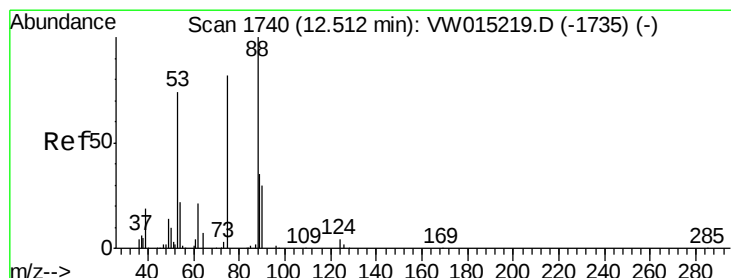
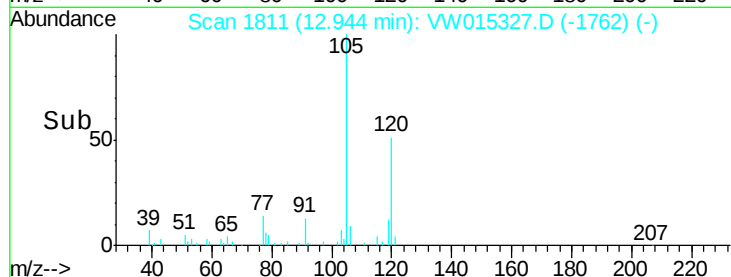
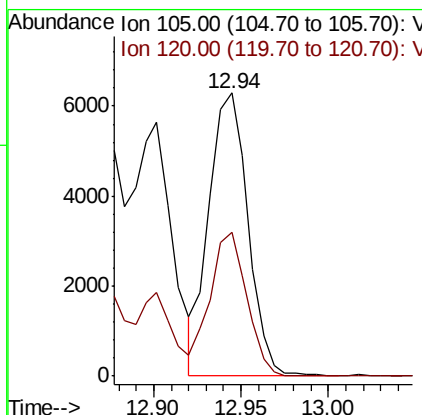
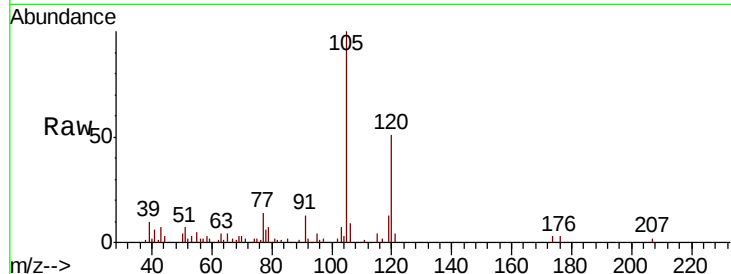




#80
 1,3,5-Trimethylbenzene
 Concen: 1.633 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

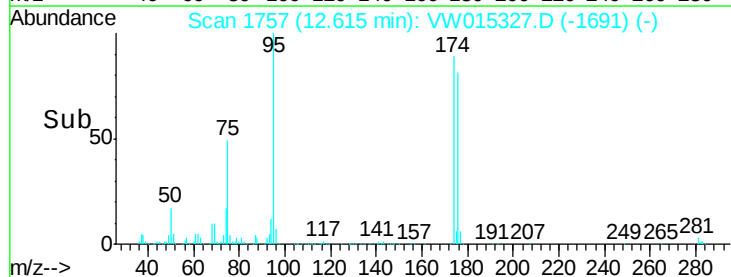
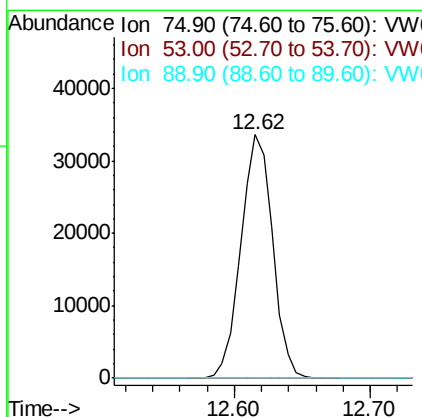
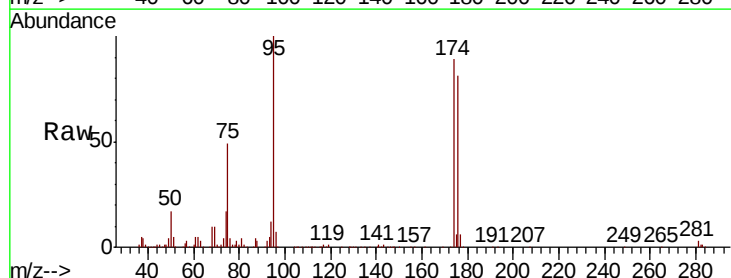
Instrument :
 MSVOA_W
 ClientSampleId :

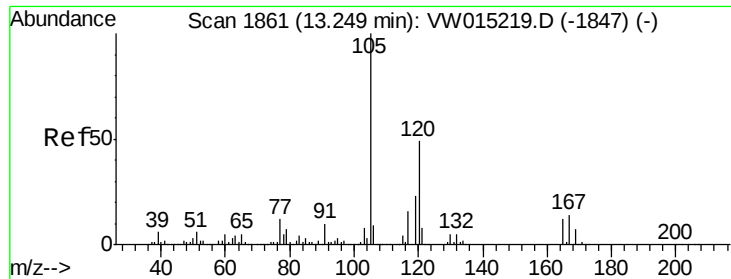
Tot Ion:105 Resp: 9797
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.905 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

Tgt Ion: 75 Resp: 54703
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

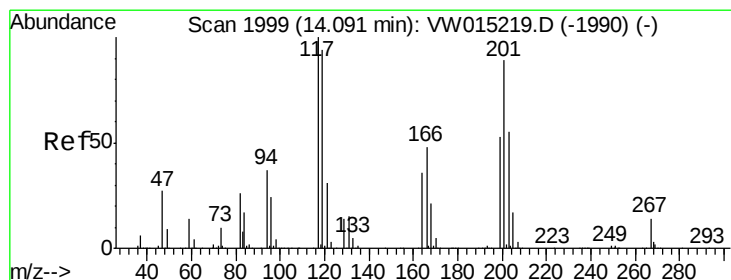
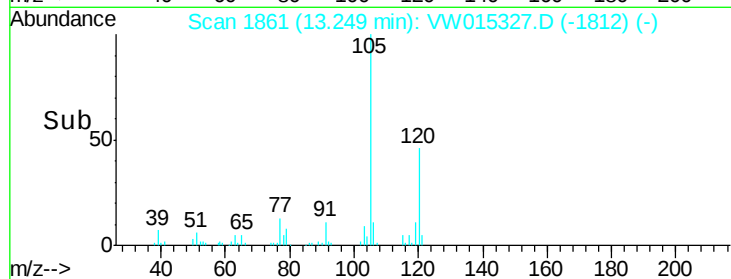
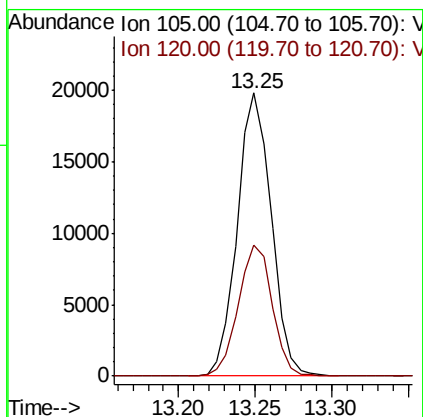
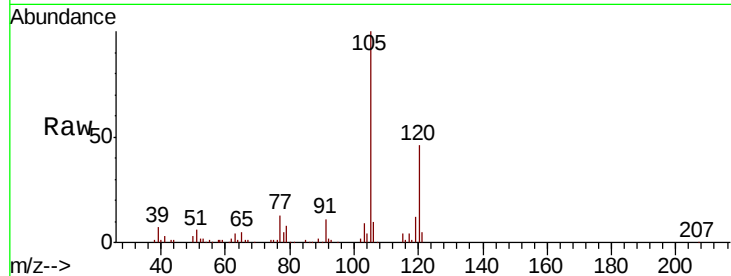




#84
 1,2,4-Trimethylbenzene
 Concen: 5.159 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

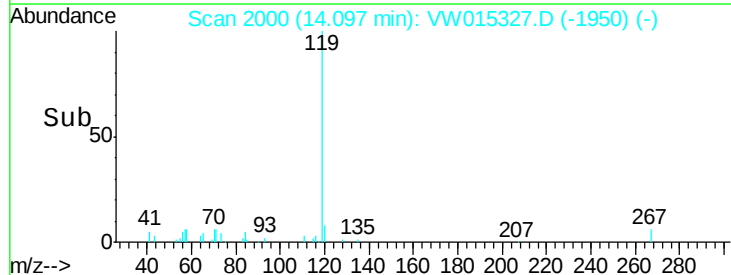
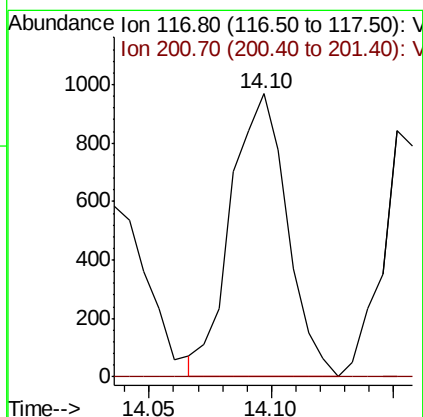
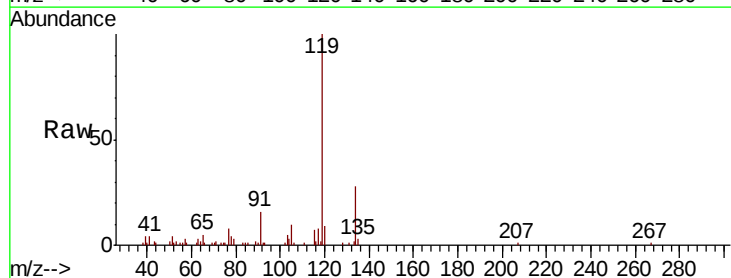
Instrument :
 MSVOA_W
 ClientSampleId :

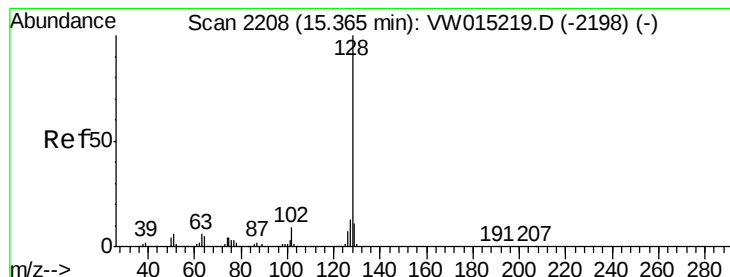
Tot Ion:105 Resp: 30525
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



#90
 Hexachloroethane
 Concen: 1.250 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: VW015327.D
 Acq: 23 Apr 2020 12:58

Tgt Ion:117 Resp: 1542
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.6 100.6#





#95

Naphthalene

Concen: 7.019 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015327.D

Acq: 23 Apr 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

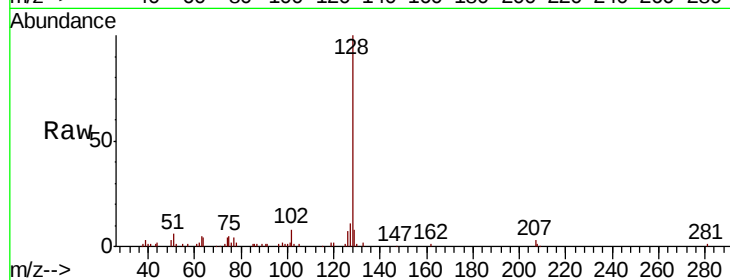
Tot Ion:128 Resp: 21680

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 11.8 8.6 12.8



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

