

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012551.D
 Acq On : 03 Sep 2019 17:13
 Operator : SY/VA
 Sample : K4551-09
 Misc : 6.77G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 18:12:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	125449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	158986	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.88	113	120161	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.32	98	473624	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.62	95	148361	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

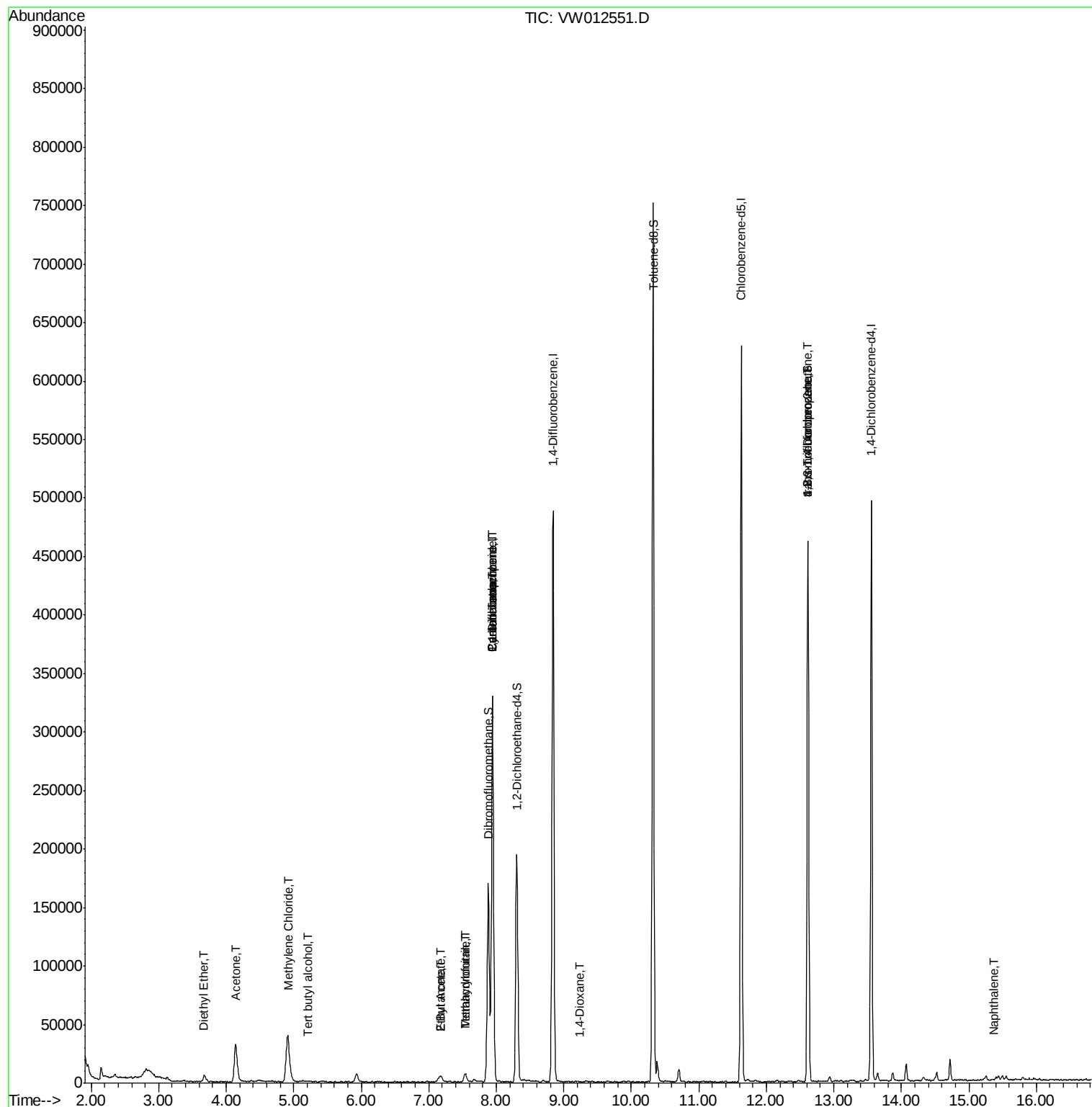
						Qvalue
8) Diethyl Ether	3.67	74	2963	2.246	ug/l	86
11) Tert butyl alcohol	5.20	59	267	1.574	ug/l #	93
16) Acetone	4.14	43	66637	92.497	ug/l	98
20) Methylene Chloride	4.91	84	31173	11.446	ug/l	94
25) 2-Butanone	7.18	43	7073	7.225	ug/l	96
29) Tetrahydrofuran	7.54	42	6936	11.809	ug/l	96
31) Cyclohexane	7.95	56	5782	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19929	4.986	ug/l #	52
37) Ethyl Acetate	7.18	43	7073	3.229	ug/l #	73
38) Carbon Tetrachloride	7.94	117	24103	6.968	ug/l #	17
41) Methacrylonitrile	7.54	41	3986	3.097	ug/l #	57
49) 1,4-Dioxane	9.24	88	33	1.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	79969	65.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79969	143.507	ug/l #	6
95) Naphthalene	15.37	128	366	4.392	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\
Data File : VW012551.D
Acq On : 03 Sep 2019 17:13
Operator : SY/VA
Sample : K4551-09
Misc : 6.77G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 03 18:12:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012551.D

Acq: 03 Sep 2019 17:13

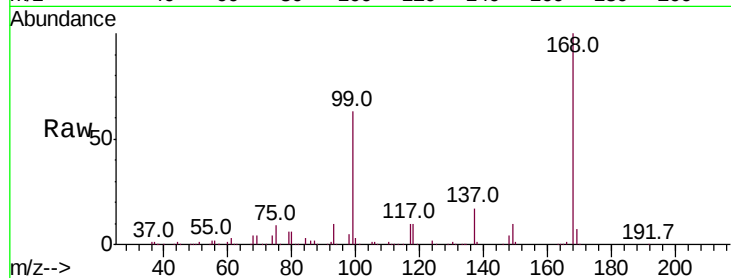
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 237083

Ion Ratio Lower Upper

168 100

99 62.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

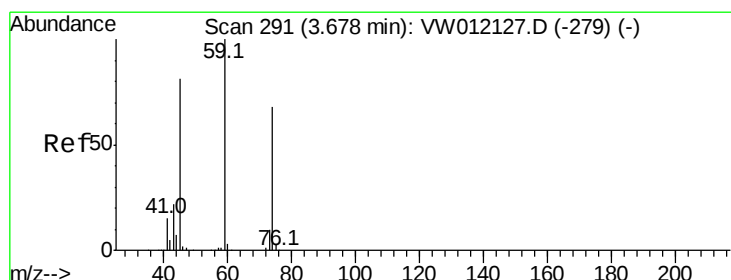
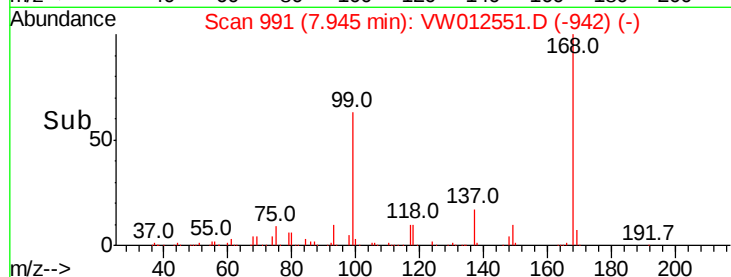
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.246 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012551.D

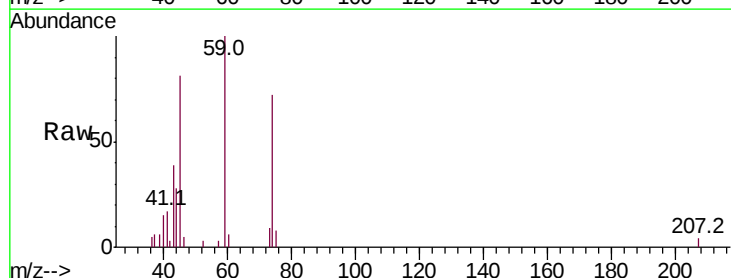
Acq: 03 Sep 2019 17:13

Tgt Ion: 74 Resp: 2963

Ion Ratio Lower Upper

74 100

45 133.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

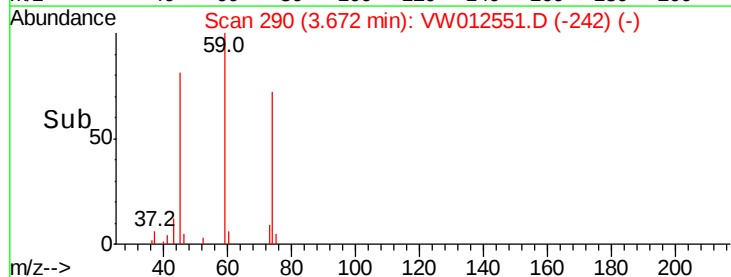
1500

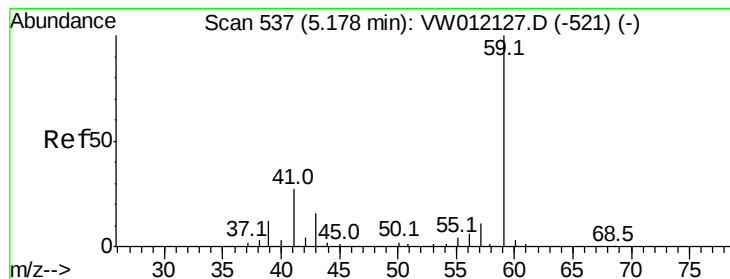
1000

500

0

Time--> 3.60 3.65 3.70 3.75 3.80



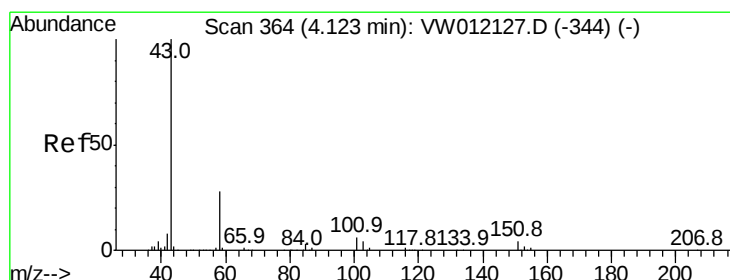
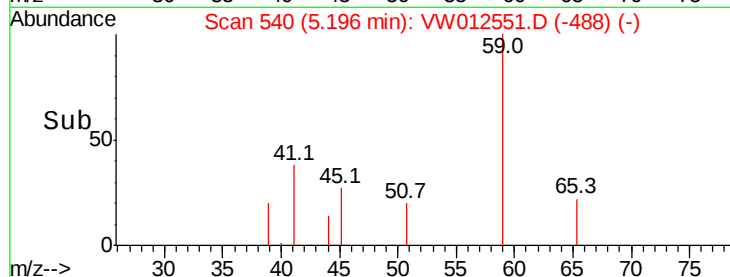
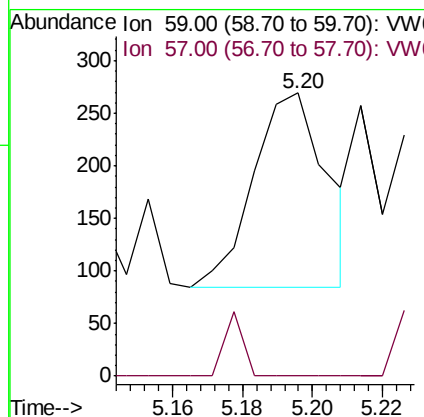
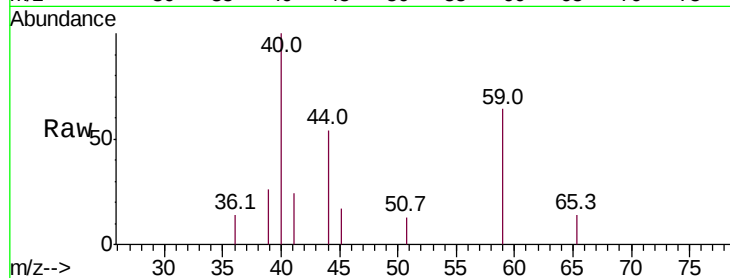


#11

Tert butyl alcohol
 Concen: 1.574 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012551.D
 Acq: 03 Sep 2019 17:13

Instrument :
 MSVOA_W
 ClientSampled :

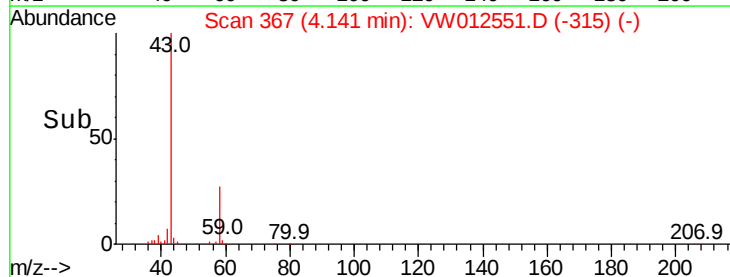
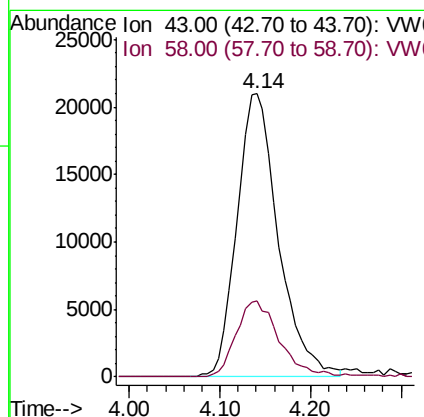
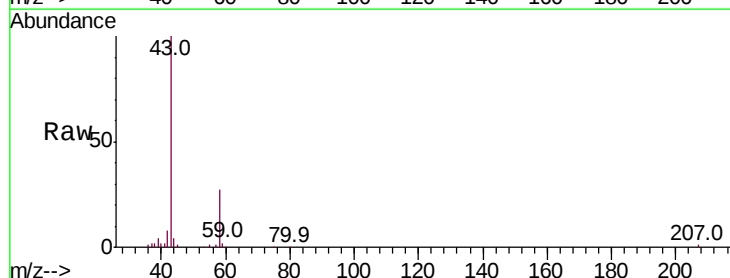
Tot Ion: 59 Resp: 267
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.0 13.4#

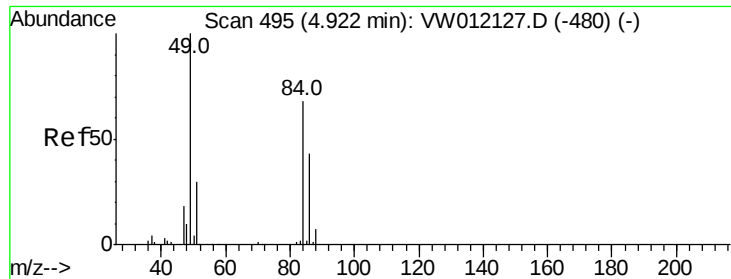


#16

Acetone
 Concen: 92.497 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012551.D
 Acq: 03 Sep 2019 17:13

Tgt Ion: 43 Resp: 66637
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.4 33.6

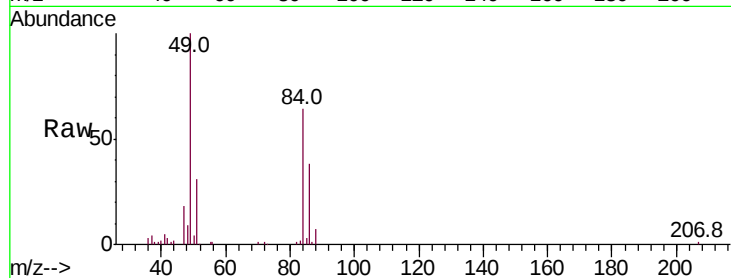




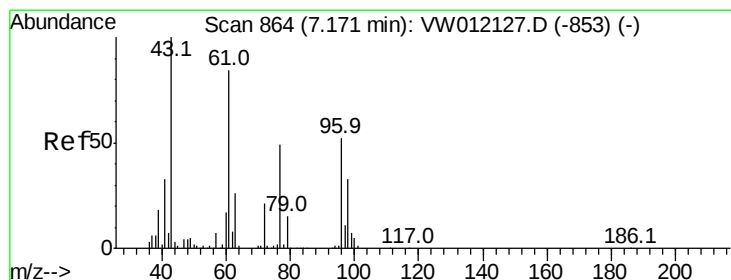
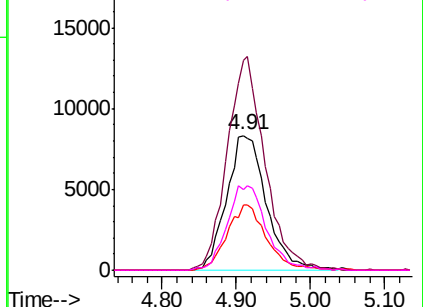
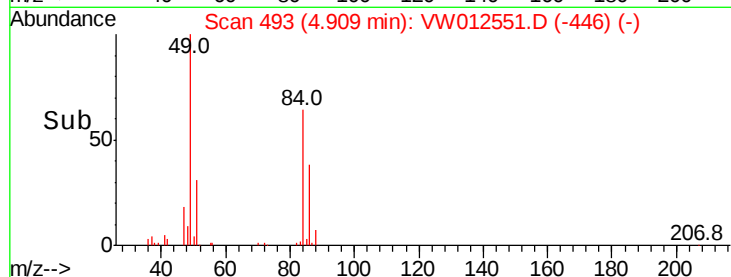
#20
Methylene Chloride
Concen: 11.446 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 31173
Ion Ratio Lower Upper
84 100
49 155.9 117.8 176.8
51 47.9 35.6 53.4
86 59.5 51.2 76.8

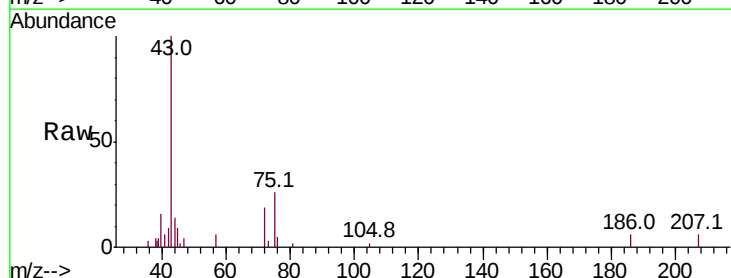


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

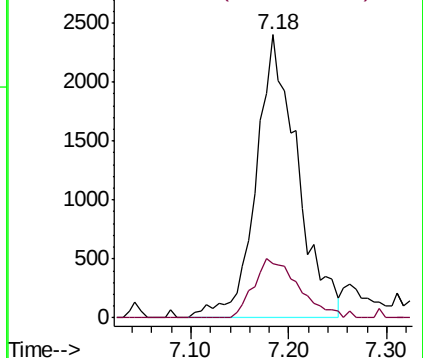
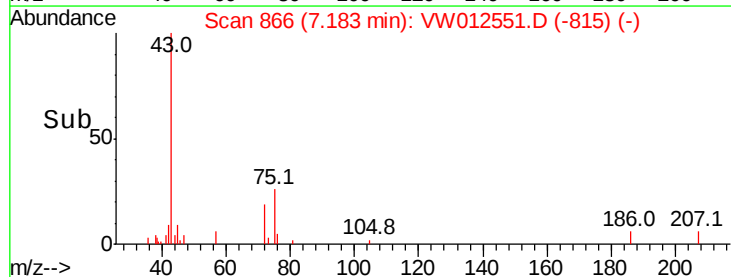


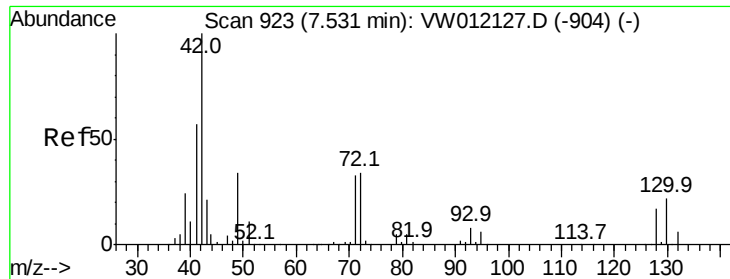
#25
2-Butanone
Concen: 7.225 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion: 43 Resp: 7073
Ion Ratio Lower Upper
43 100
72 19.0 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

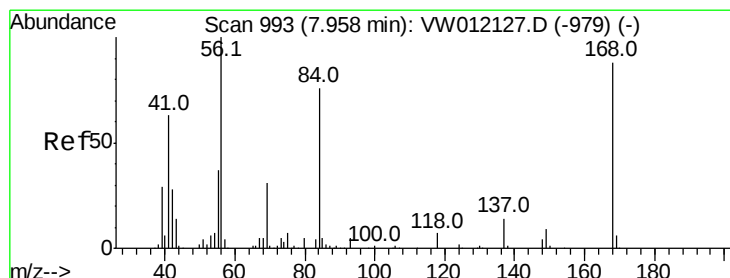
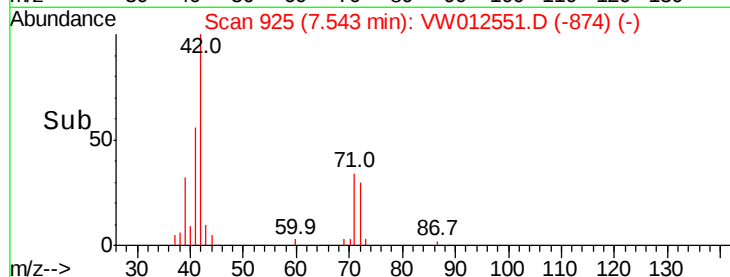
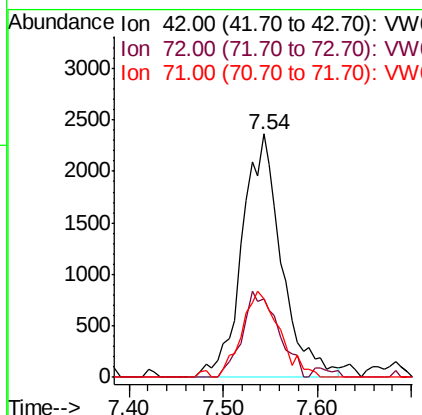
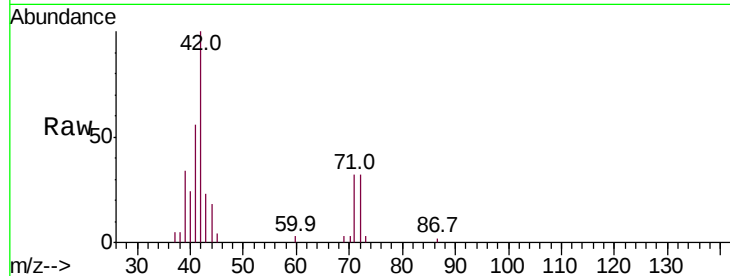




#29
Tetrahydrofuran
Concen: 11.809 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

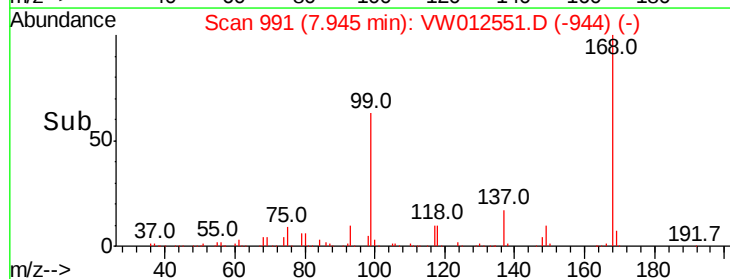
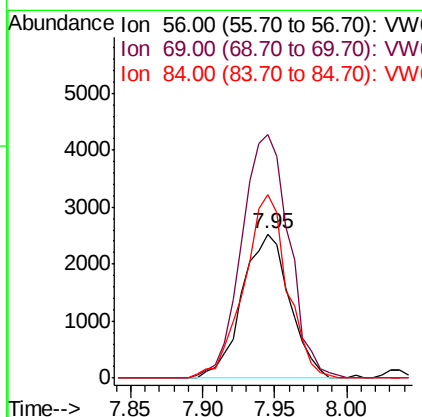
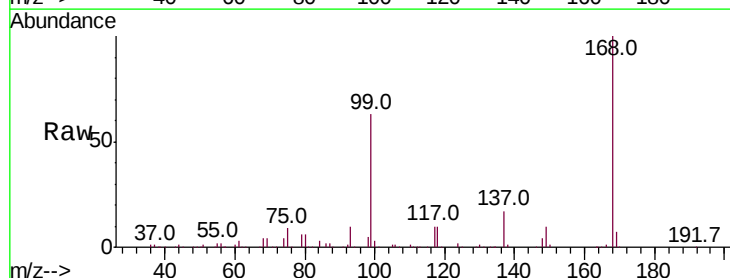
Instrument :
MSVOA_W
ClientSampled :

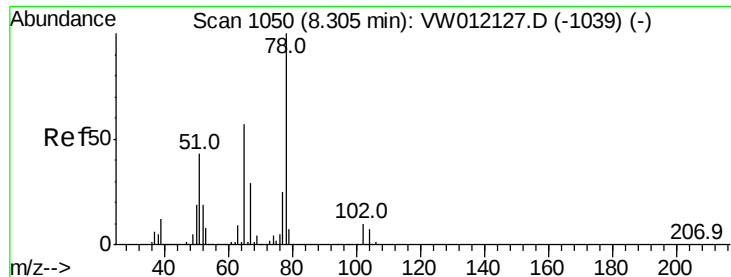
Tot Ion: 42 Resp: 6936
Ion Ratio Lower Upper
42 100
72 31.8 27.3 40.9
71 33.6 25.5 38.3



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion: 56 Resp: 5782
Ion Ratio Lower Upper
56 100
69 169.3 24.9 37.3#
84 127.1 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 56.411 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

Instrument :

MSVOA_W

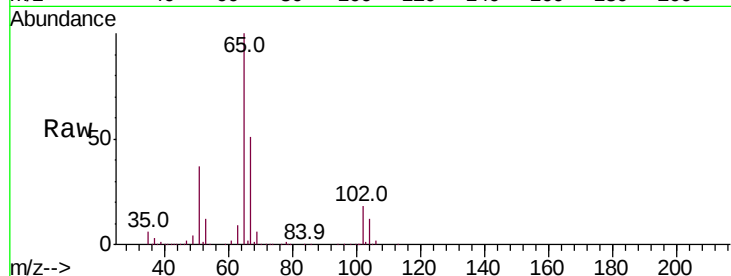
ClientSampled :

Tot Ion: 65 Resp: 158986

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

80000

60000

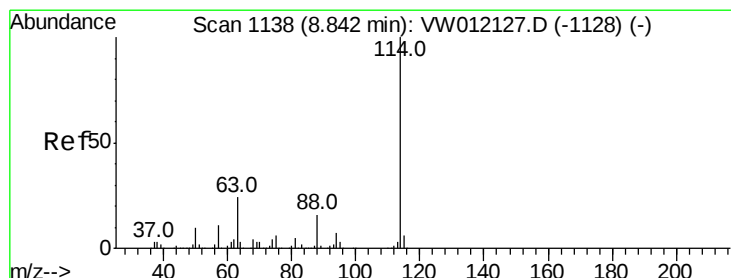
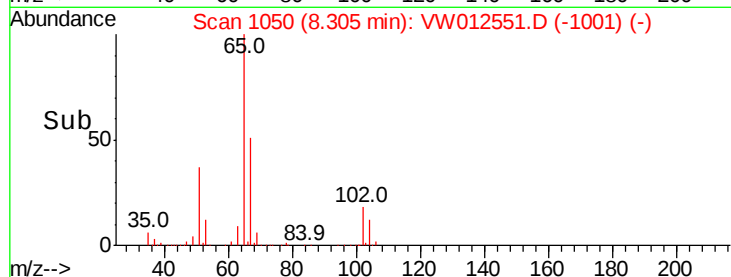
40000

20000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

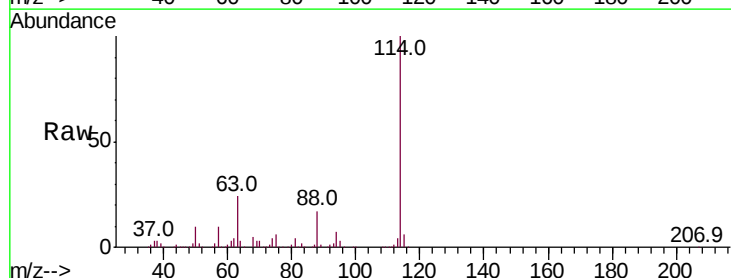
Tgt Ion: 114 Resp: 386762

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

88 16.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

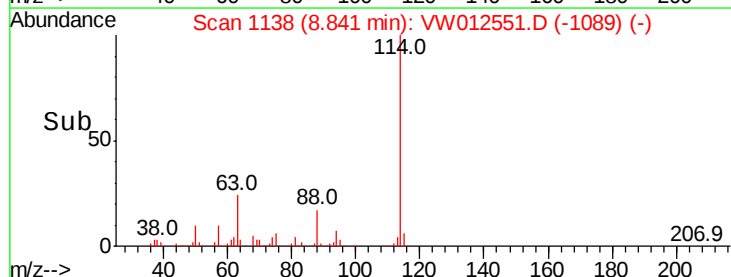
100000

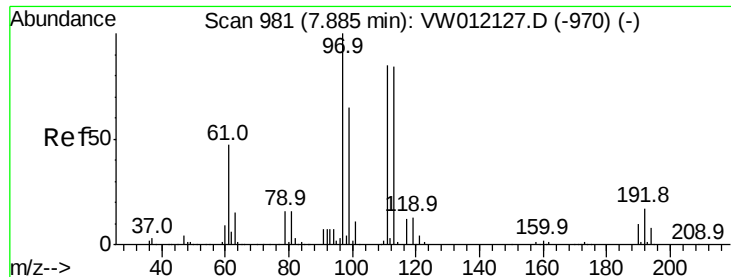
50000

0

Time-->

8.70 8.80 8.90





#35

Dibromofluoromethane

Concen: 52.049 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :

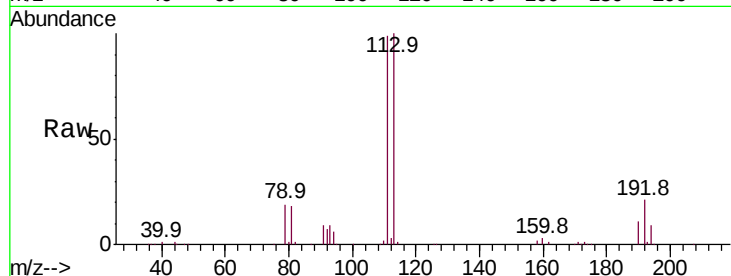
Tot Ion:113 Resp: 120161

Ion Ratio Lower Upper

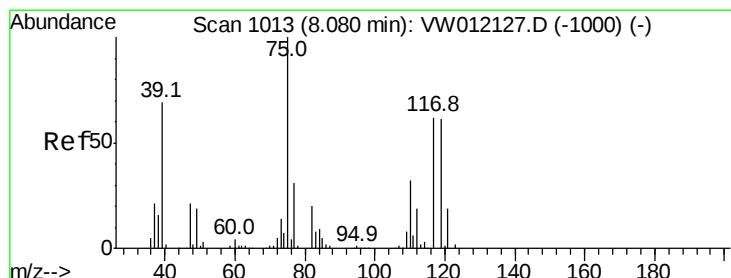
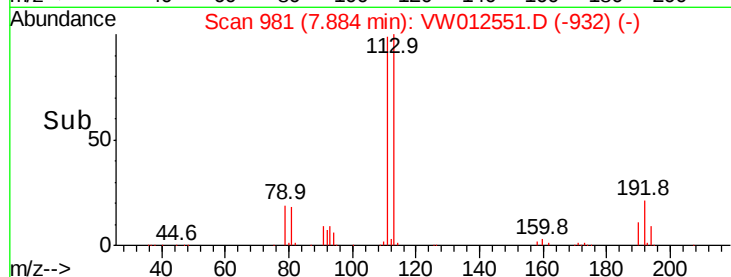
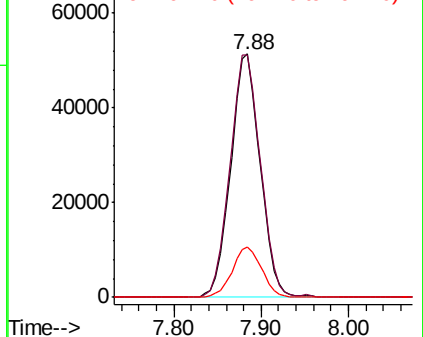
113 100

111 103.2 82.7 124.1

192 20.8 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

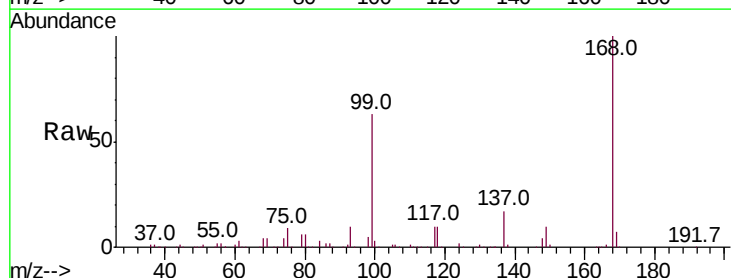
Tgt Ion: 75 Resp: 19929

Ion Ratio Lower Upper

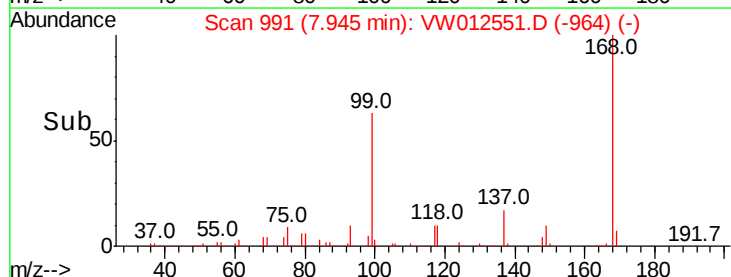
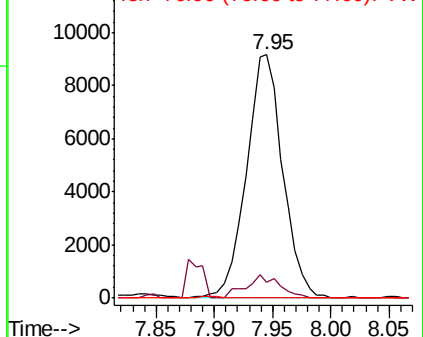
75 100

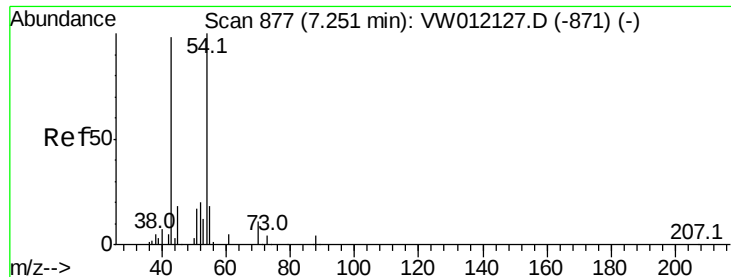
110 8.8 15.6 46.8#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

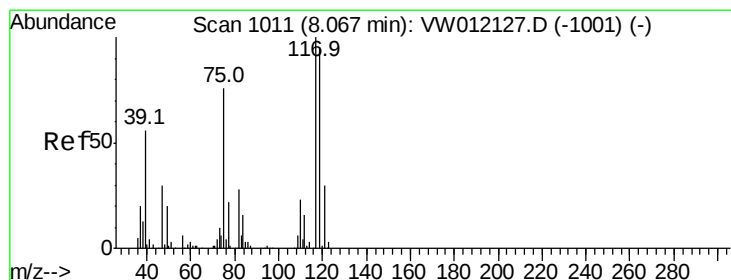
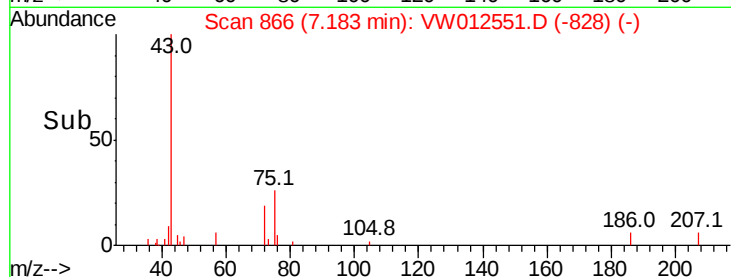
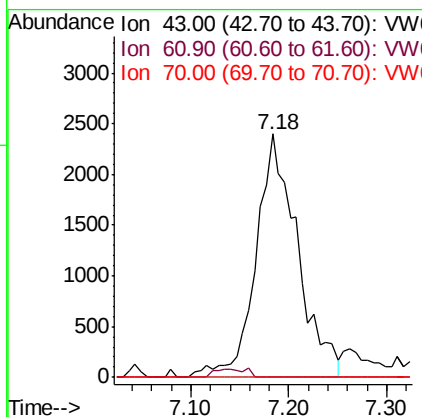
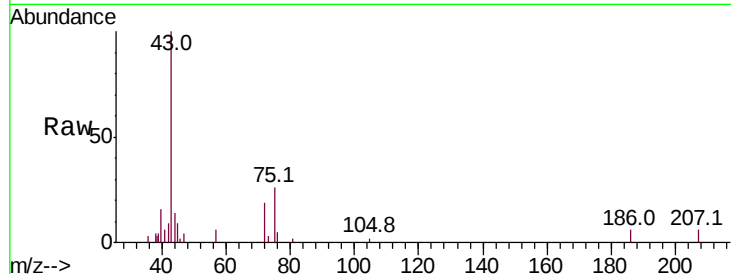




#37
Ethyl Acetate
Concen: 3.229 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

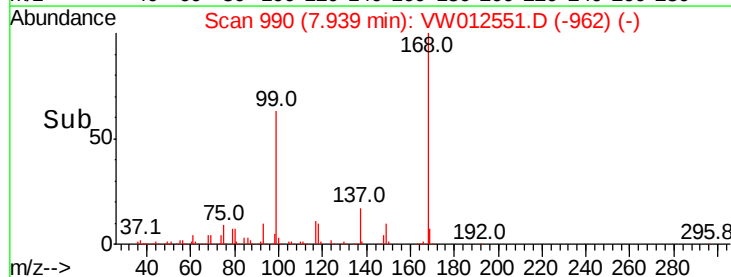
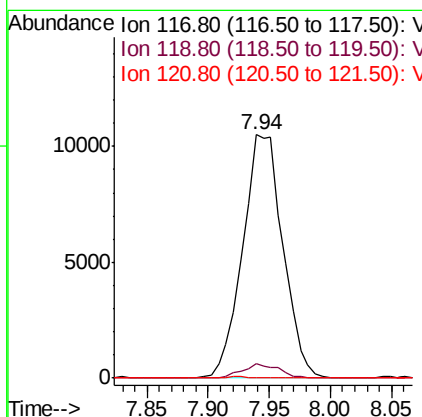
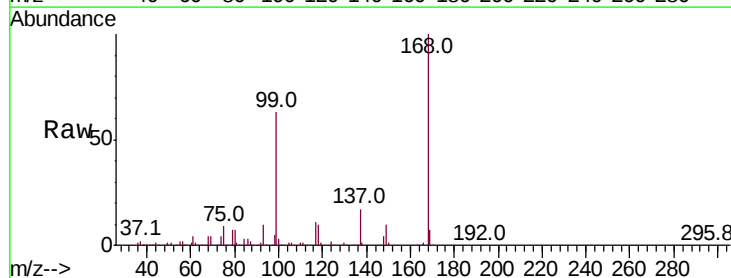
Instrument :
MSVOA_W
ClientSampleId :

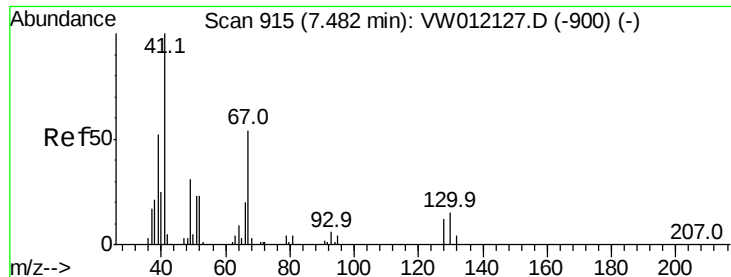
Tot Ion: 43 Resp: 7073
Ion Ratio Lower Upper
43 100
61 0.0 9.2 13.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.968 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion: 117 Resp: 24103
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 23.8 35.8#

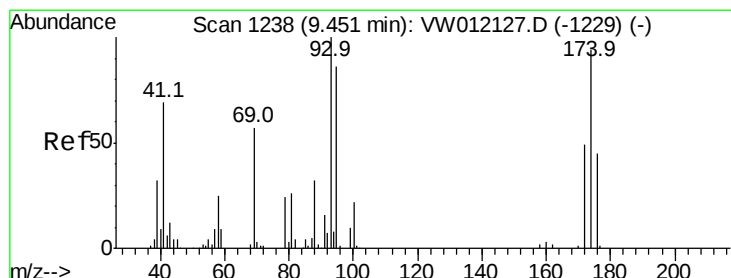
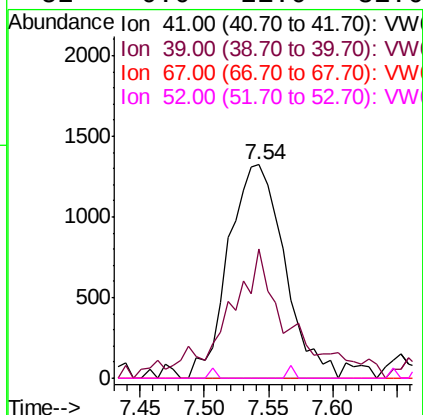
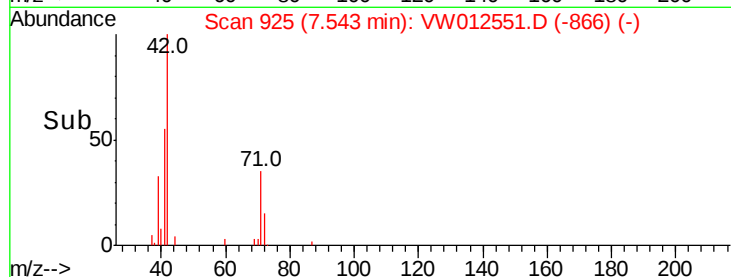
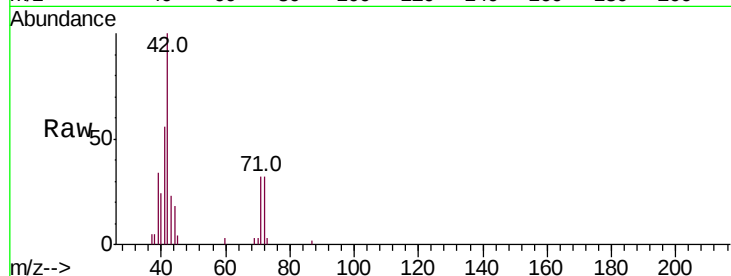




#41
Methacrylonitrile
Concen: 3.097 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

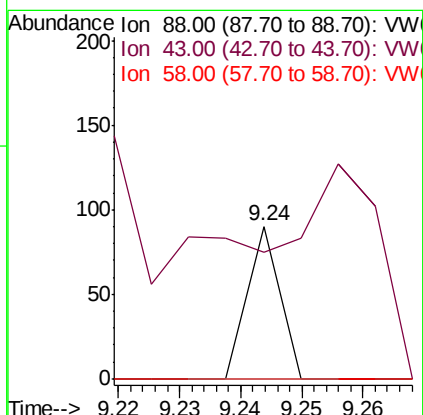
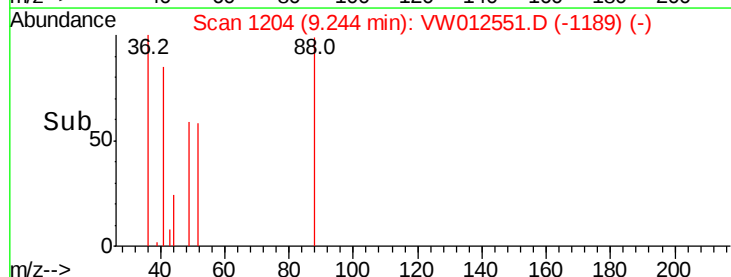
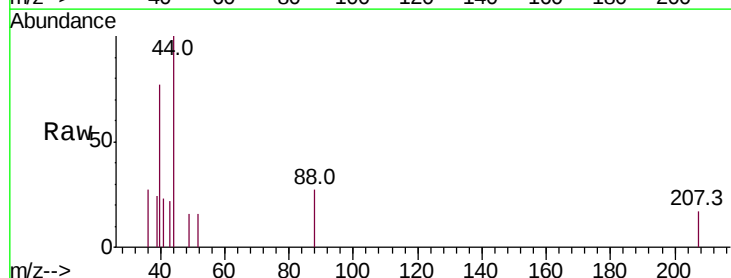
Instrument :
MSVOA_W
ClientSampled :

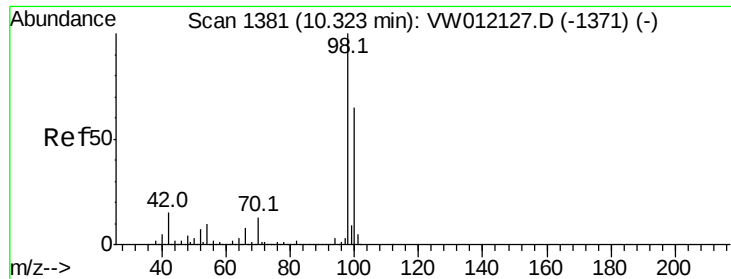
Tot Ion:	41	Resp:	3986
Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.650 ug/l
RT: 9.24 min Scan# 1204
Delta R.T. -0.21 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion:	88	Resp:	33
Ion	Ratio	Lower	Upper
88	100		
43	345.5	32.9	49.3#
58	0.0	71.0	106.4#

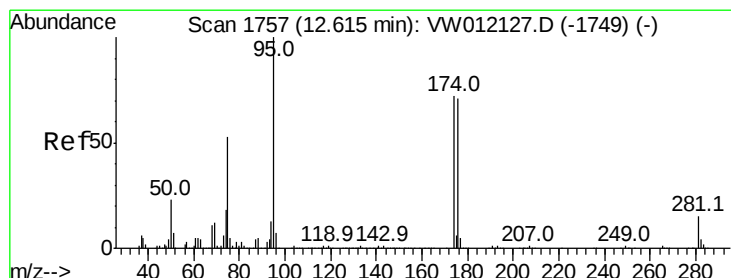
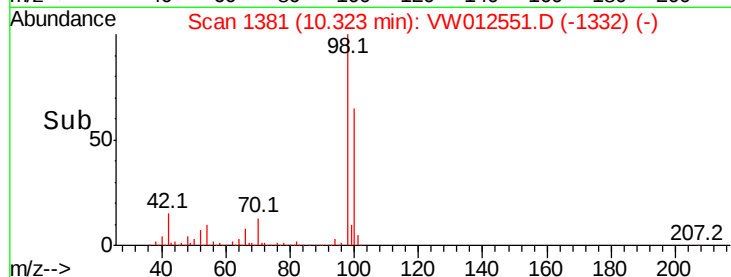
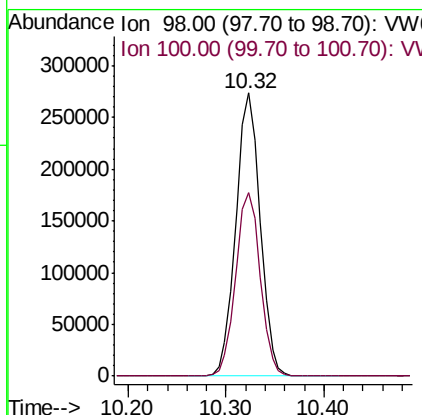
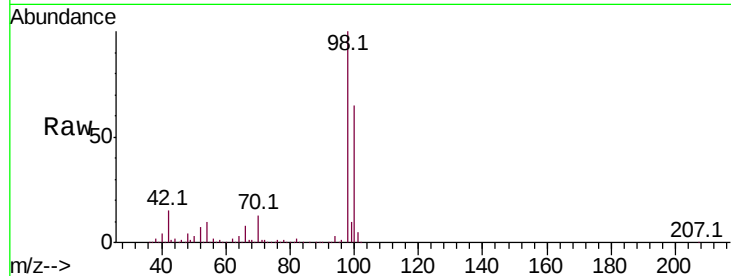




#50
Toluene-d8
Concen: 50.597 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

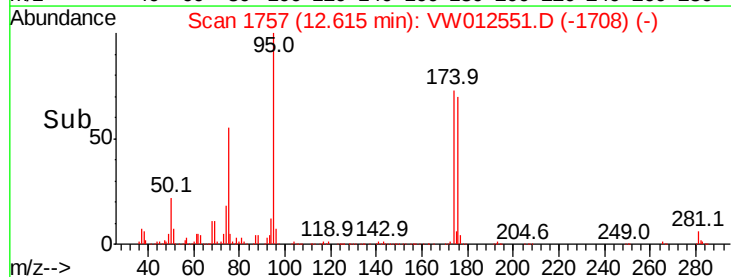
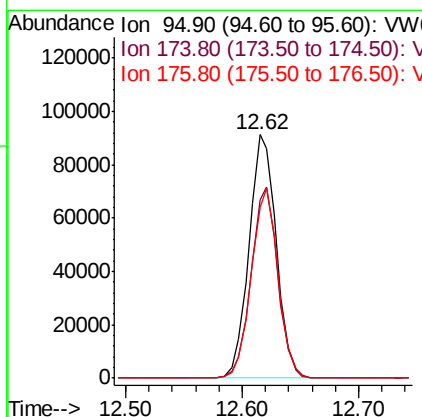
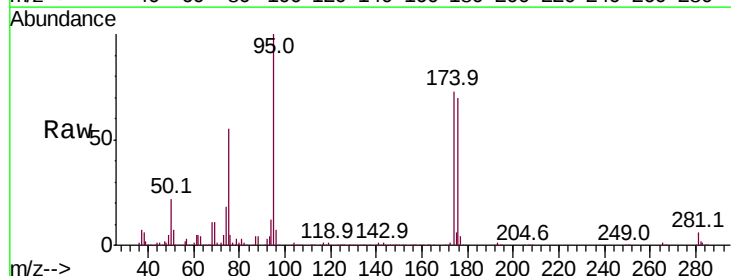
Instrument :
MSVOA_W
ClientSampleId :

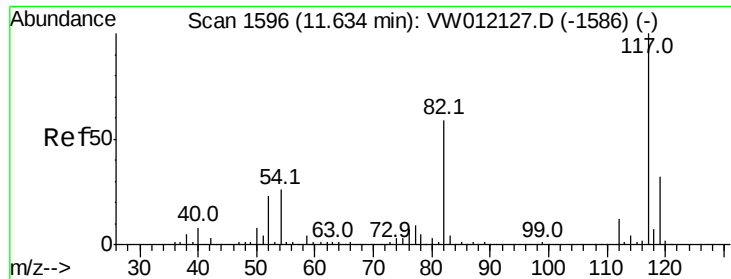
Tot Ion: 98 Resp: 473624
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.963 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion: 95 Resp: 148361
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.8
176 76.3 0.0 148.6

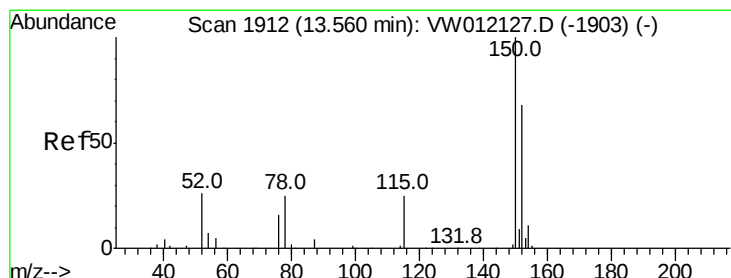
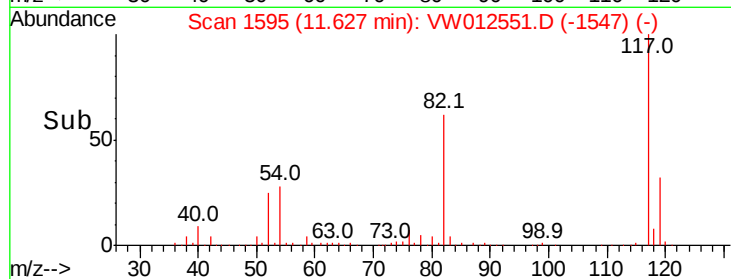
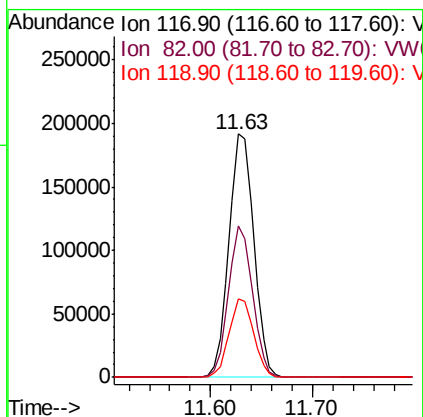
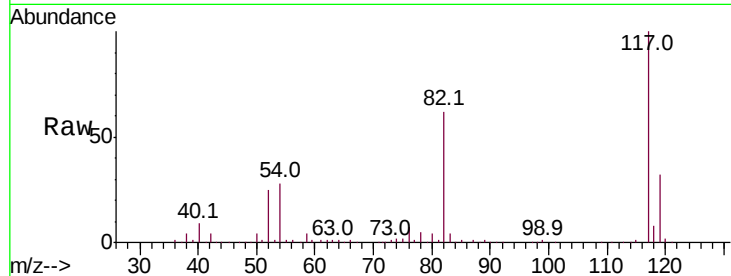




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

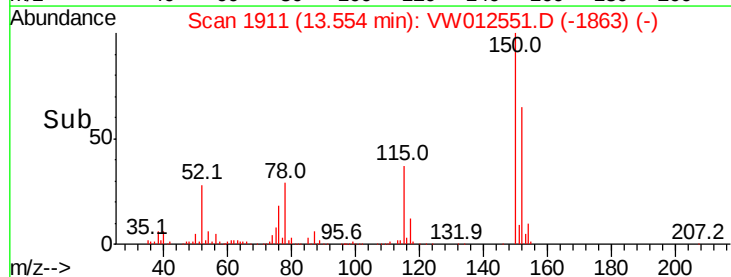
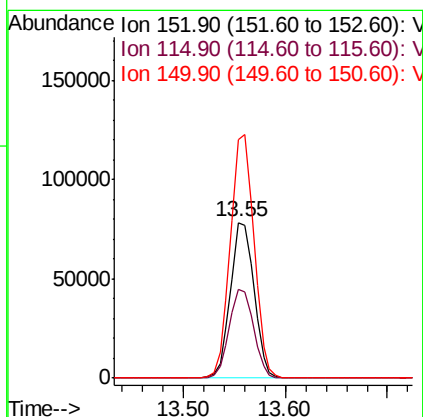
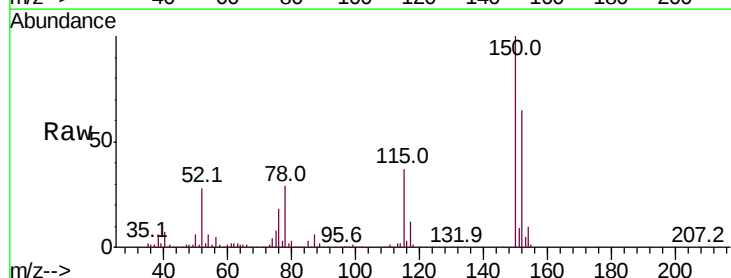
Instrument :
MSVOA_W
ClientSampled :

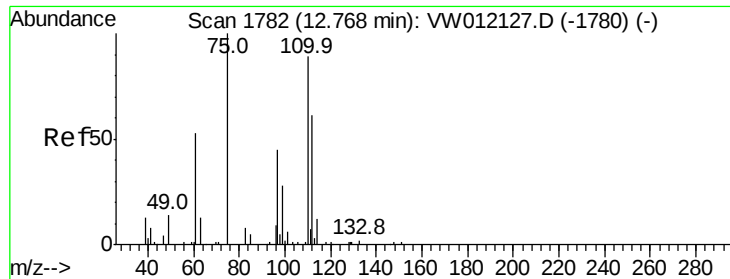
Tot Ion:117 Resp: 323877
Ion Ratio Lower Upper
117 100
82 62.4 47.4 71.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012551.D
Acq: 03 Sep 2019 17:13

Tgt Ion:152 Resp: 125449
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.3
150 156.2 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 65.453 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

Instrument :

MSVOA_W

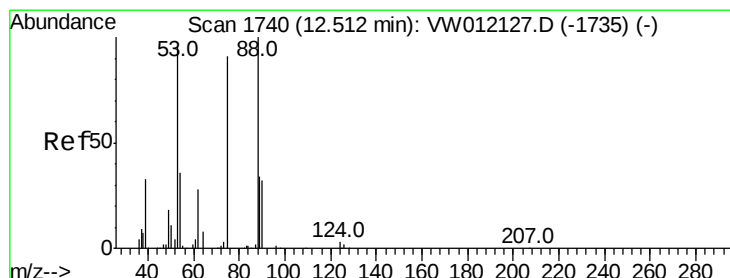
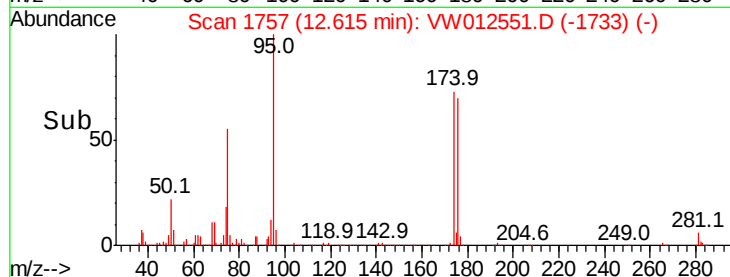
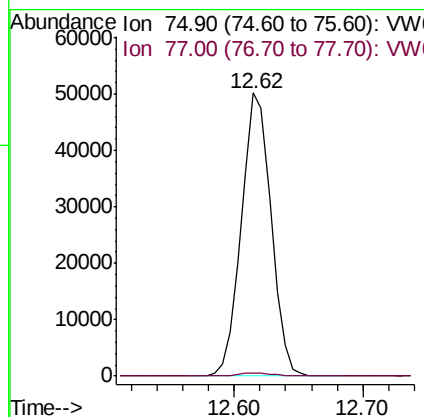
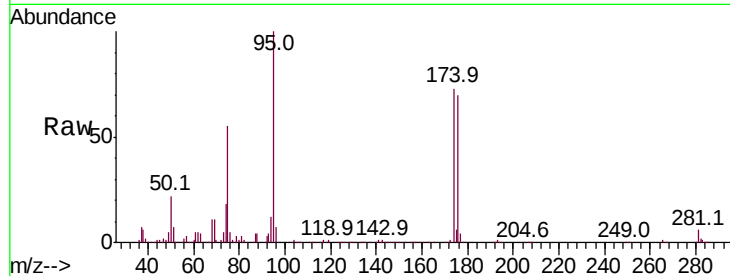
ClientSampleId :

Tot Ion: 75 Resp: 79969

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.507 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

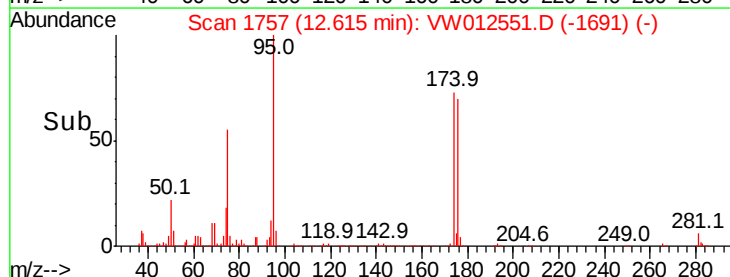
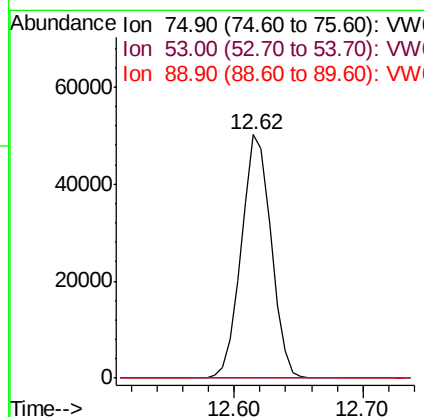
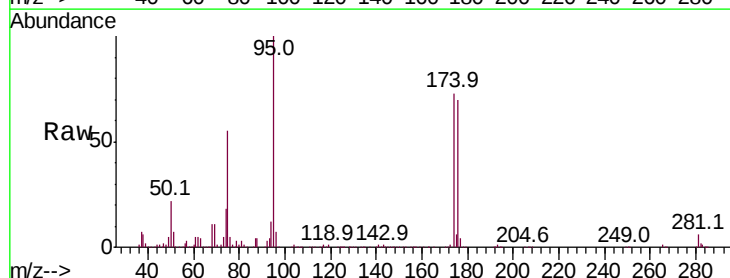
Tgt Ion: 75 Resp: 79969

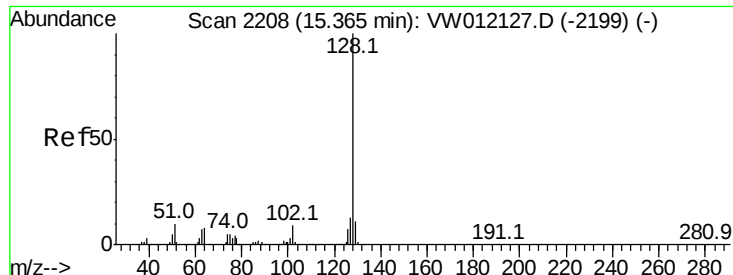
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012551.D

Acq: 03 Sep 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

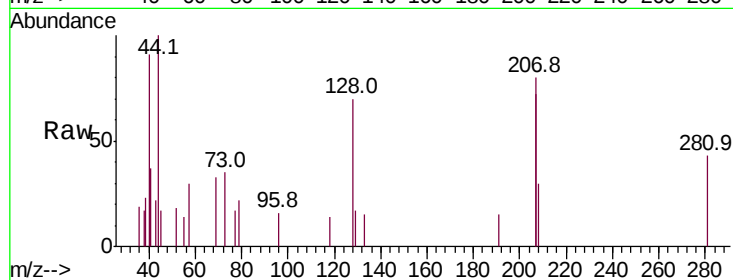
Tot Ion:128 Resp: 366

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.5 8.7 13.1



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

