

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012549.D
 Acq On : 03 Sep 2019 16:22
 Operator : SY/VA
 Sample : K4550-01
 Misc : 5.32G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 17:07:47 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

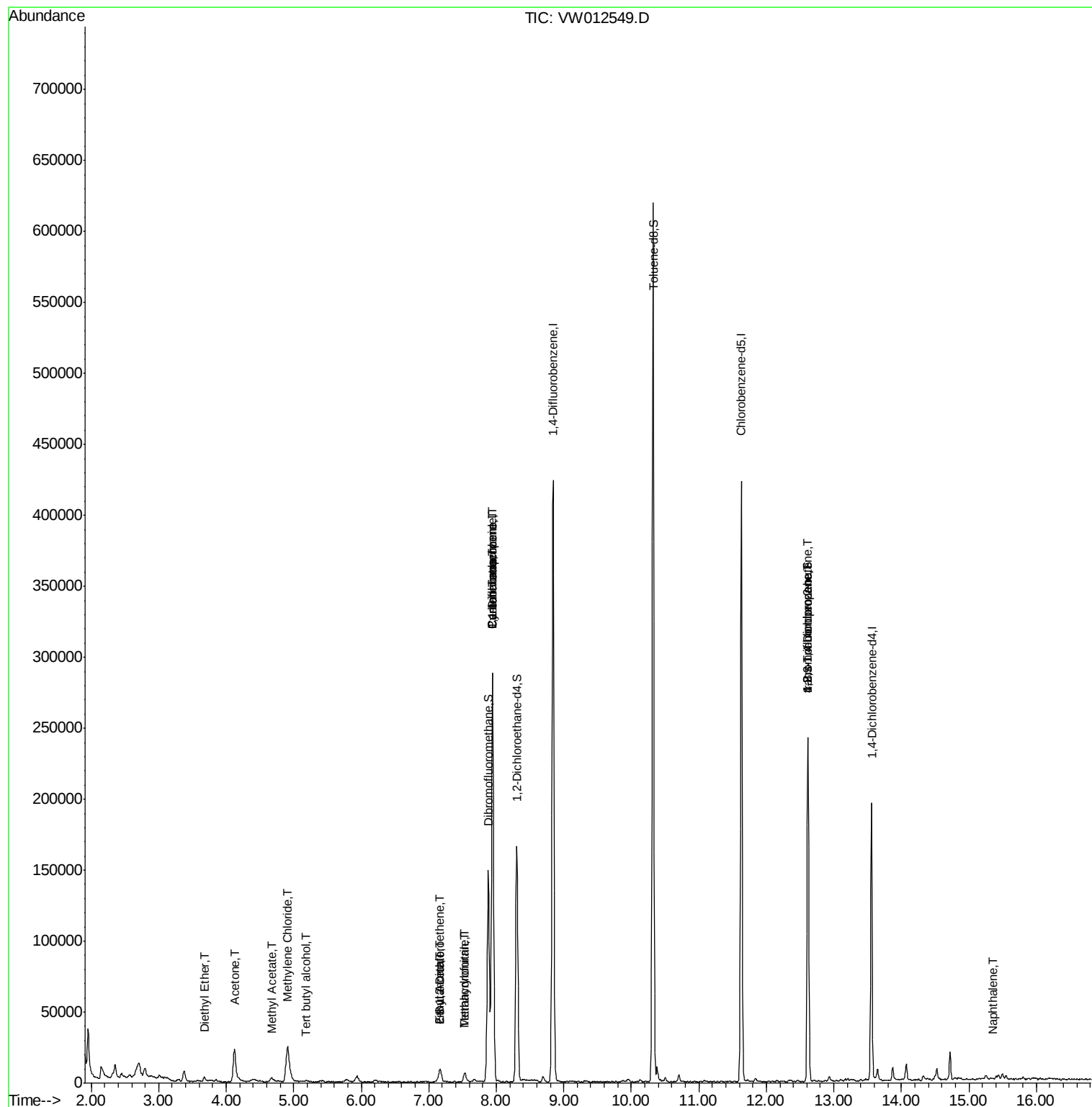
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48708	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132626	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	106860	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
50) Toluene-d8	10.32	98	386948	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.62	95	77484	26.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1397	1.185	ug/l	80
11) Tert butyl alcohol	5.18	59	799	5.274	ug/l #	54
16) Acetone	4.12	43	43117	67.000	ug/l	99
18) Methyl Acetate	4.67	43	5667	3.555	ug/l	96
20) Methylene Chloride	4.91	84	18270	7.510	ug/l	97
25) 2-Butanone	7.17	43	2928	3.348	ug/l #	90
27) cis-1,2-Dichloroethene	7.16	96	3619	1.487	ug/l	94
29) Tetrahydrofuran	7.53	42	5647	10.763	ug/l	98
31) Cyclohexane	7.94	56	5412	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17666	5.081	ug/l #	53
37) Ethyl Acetate	7.17	43	2928	1.537	ug/l #	1
38) Carbon Tetrachloride	7.95	117	21026	6.987	ug/l #	17
41) Methacrylonitrile	7.54	41	3292	2.940	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	42706	90.025	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42706	197.382	ug/l #	6
95) Naphthalene	15.36	128	303	4.472	ug/l #	78

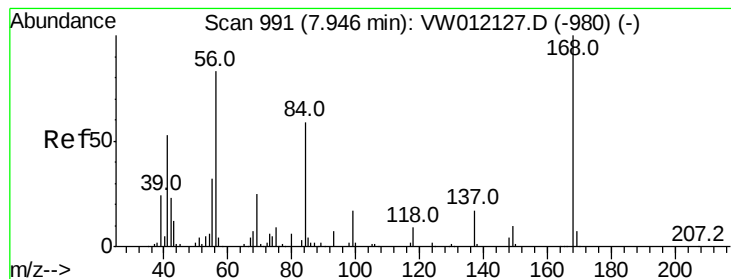
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Instrument :

MSVOA_W

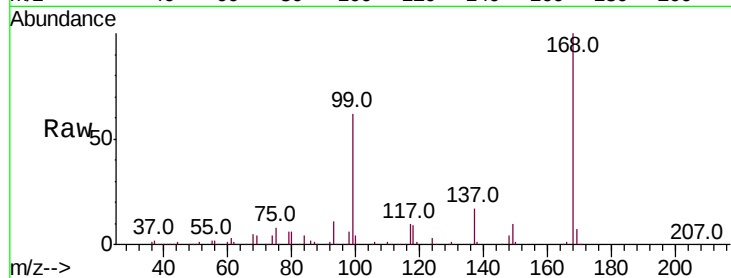
ClientSampled :

Tot Ion:168 Resp: 211779

Ion Ratio Lower Upper

168 100

99 62.0 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

100000

80000

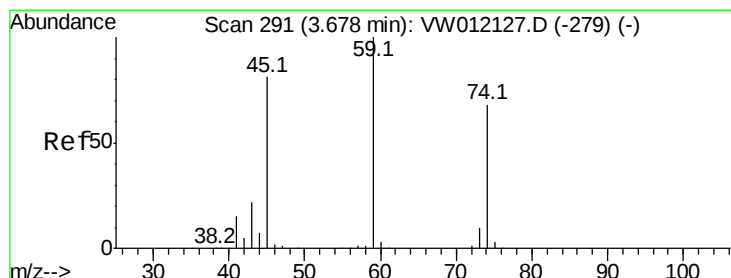
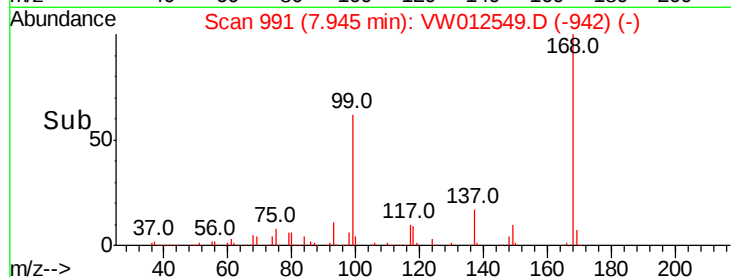
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.185 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012549.D

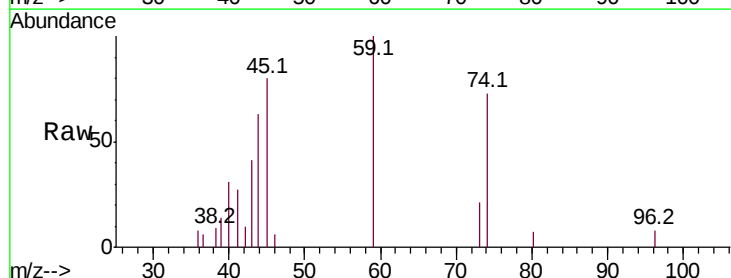
Acq: 03 Sep 2019 16:22

Tgt Ion: 74 Resp: 1397

Ion Ratio Lower Upper

74 100

45 140.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

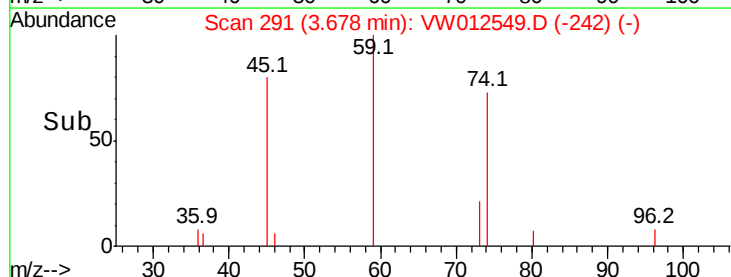
600

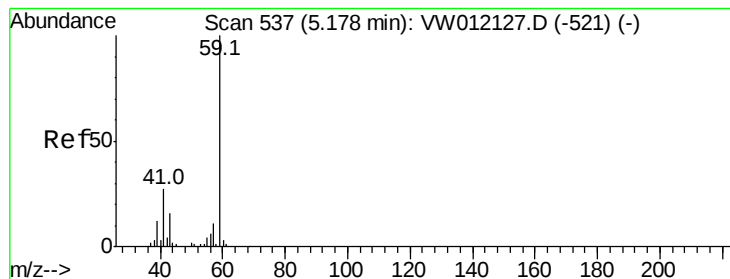
400

200

0

Time-->



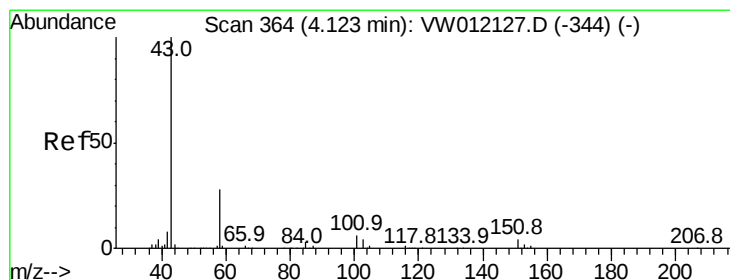
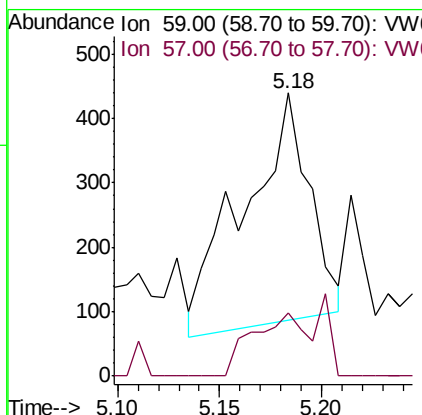
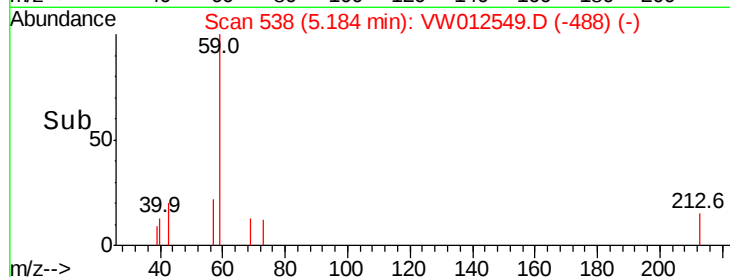
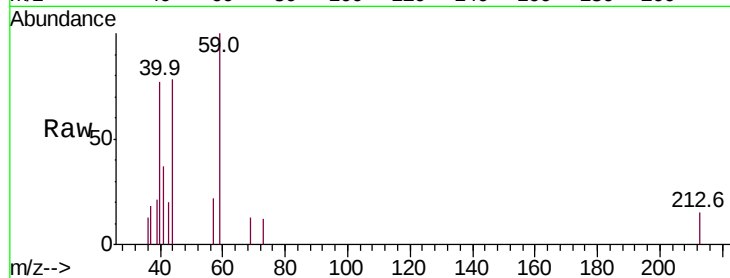


#11

Tert butyl alcohol
 Concen: 5.274 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012549.D
 Acq: 03 Sep 2019 16:22

Instrument :
 MSVOA_W
 ClientSampled :

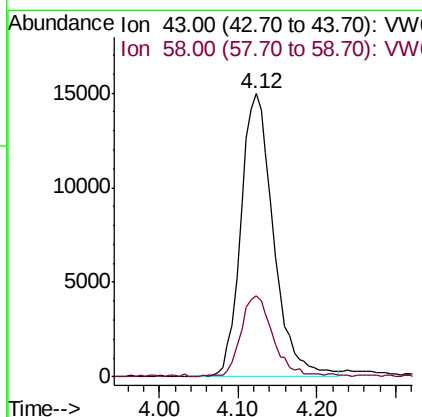
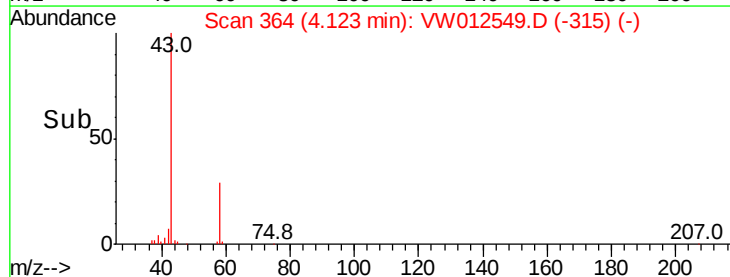
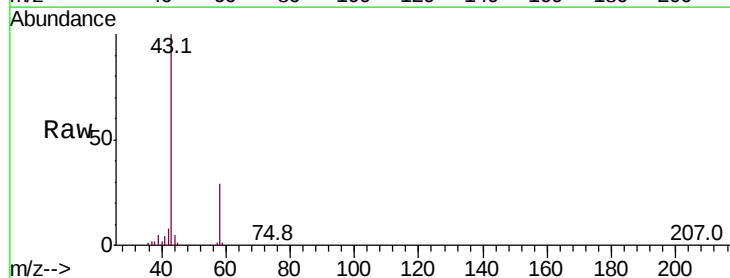
Tot Ion: 59 Resp: 799
 Ion Ratio Lower Upper
 59 100
 57 28.8 9.0 13.4#

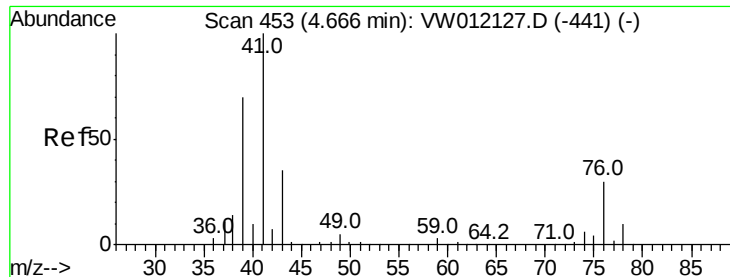


#16

Acetone
 Concen: 67.000 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW012549.D
 Acq: 03 Sep 2019 16:22

Tgt Ion: 43 Resp: 43117
 Ion Ratio Lower Upper
 43 100
 58 28.8 22.4 33.6





#18

Methyl Acetate

Concen: 3.555 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

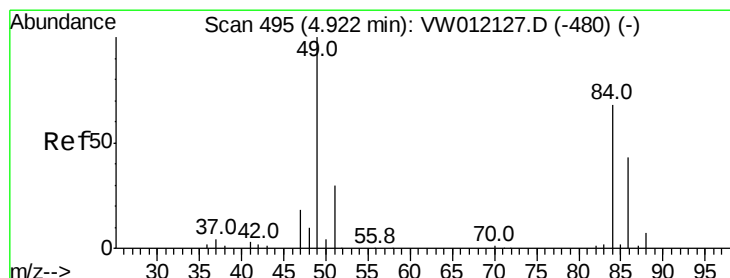
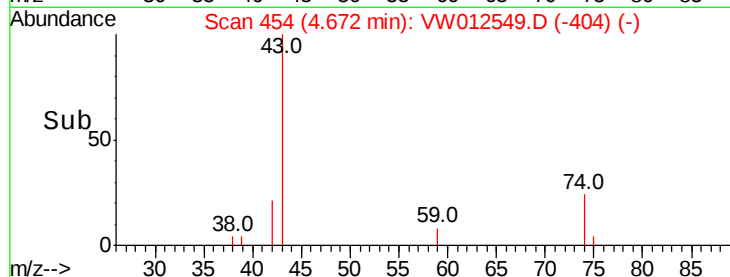
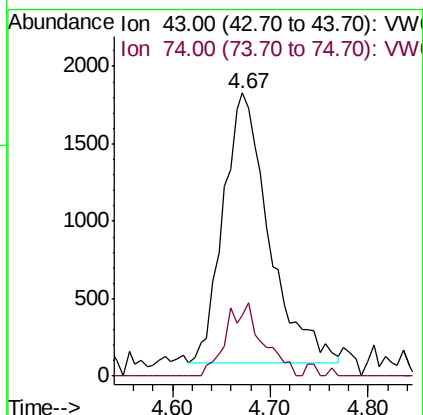
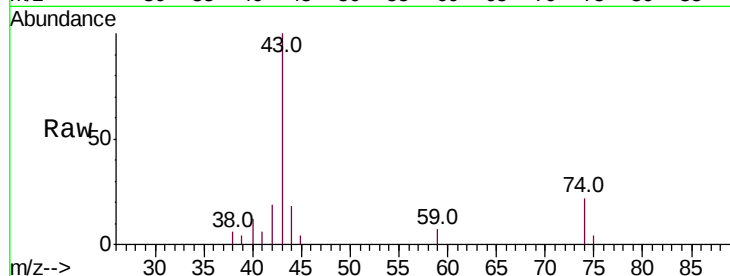
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 5667

Ion Ratio Lower Upper

43 100

74 21.6 15.7 23.5



#20

Methylene Chloride

Concen: 7.510 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Tgt Ion: 84 Resp: 18270

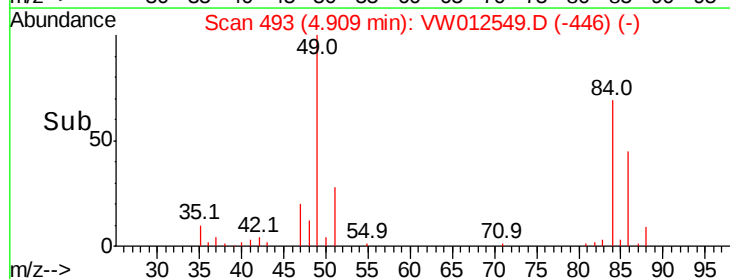
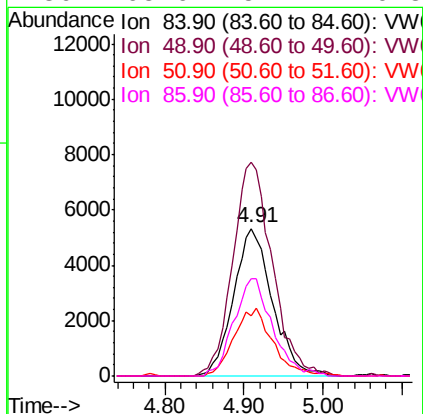
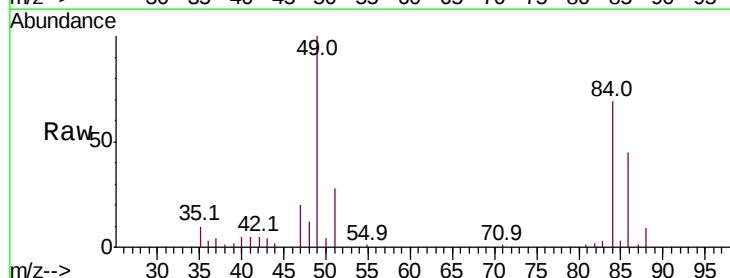
Ion Ratio Lower Upper

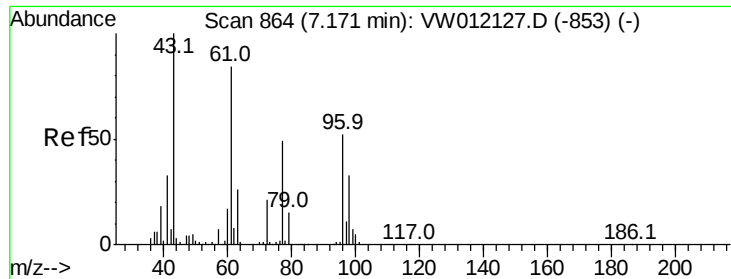
84 100

49 144.5 117.8 176.8

51 40.6 35.6 53.4

86 65.6 51.2 76.8





#25

2-Butanone

Concen: 3.348 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

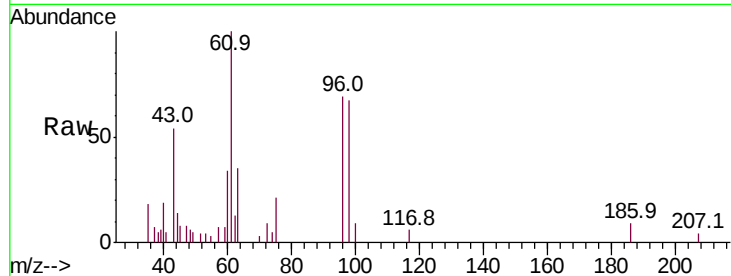
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2928

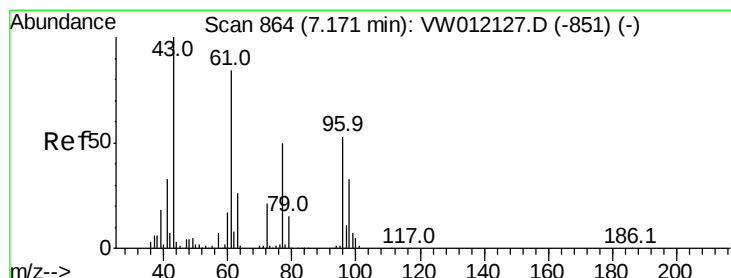
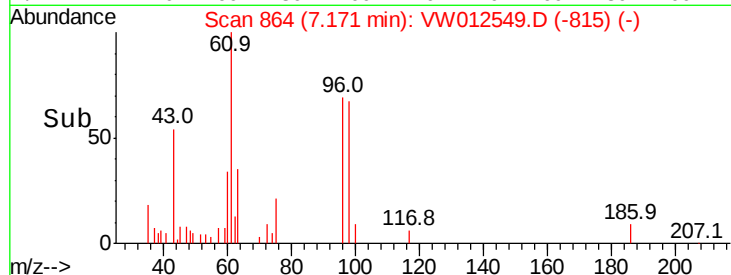
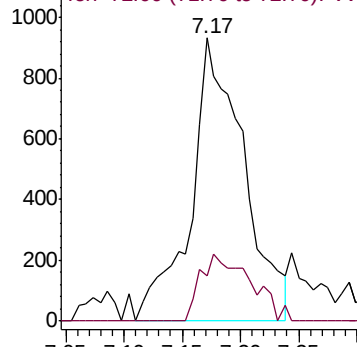
Ion Ratio Lower Upper

43 100

72 15.9 16.6 24.8#



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



#27

cis-1,2-Dichloroethene

Concen: 1.487 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

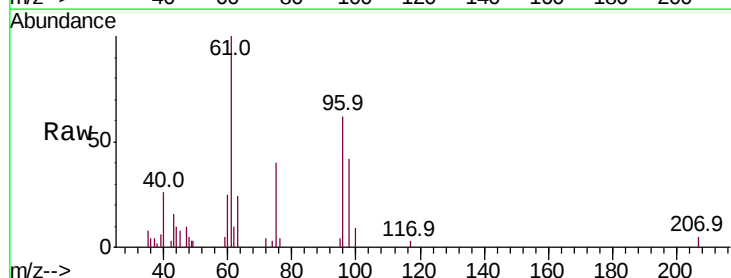
Tgt Ion: 96 Resp: 3619

Ion Ratio Lower Upper

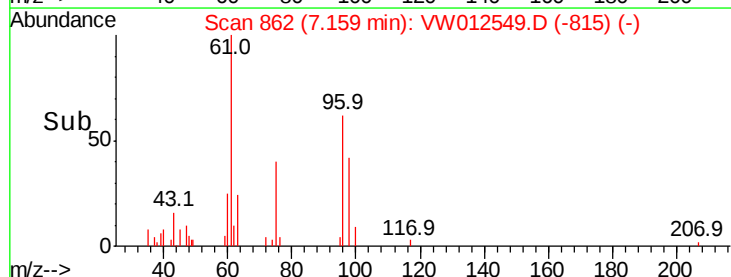
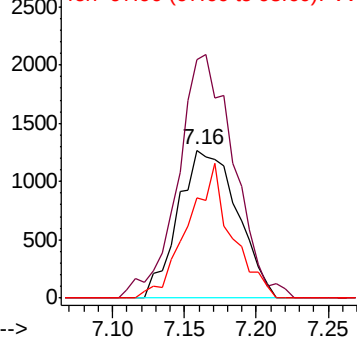
96 100

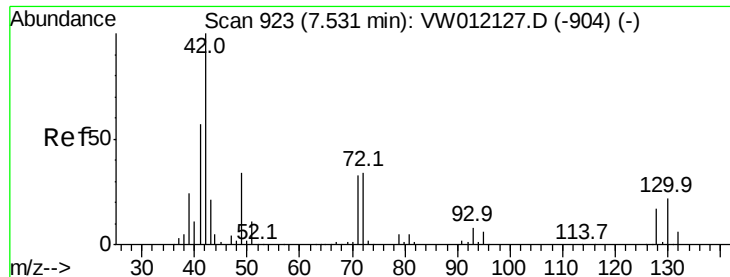
61 155.4 0.0 326.6

98 67.3 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

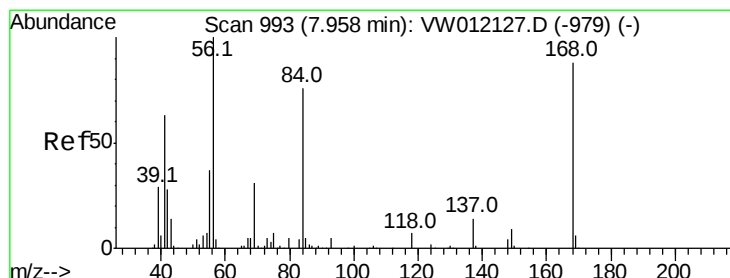
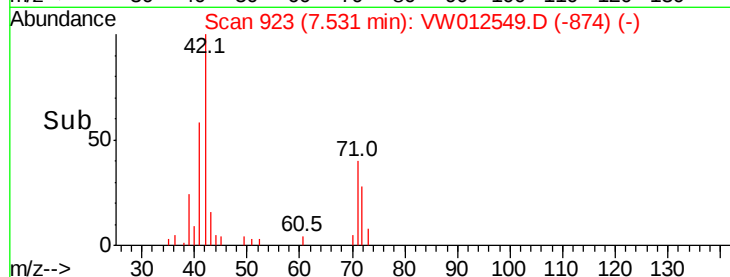
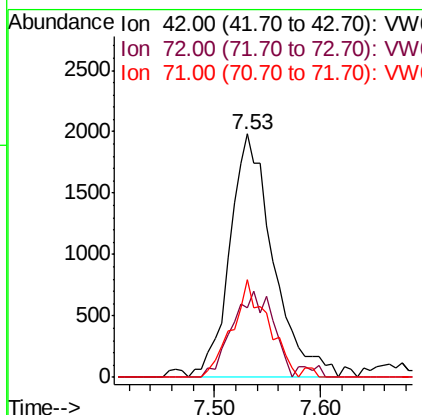
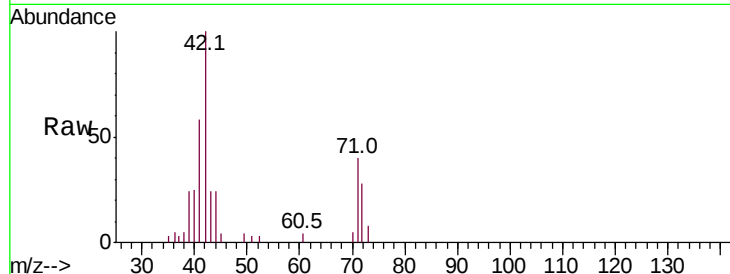




#29
Tetrahydrofuran
Concen: 10.763 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

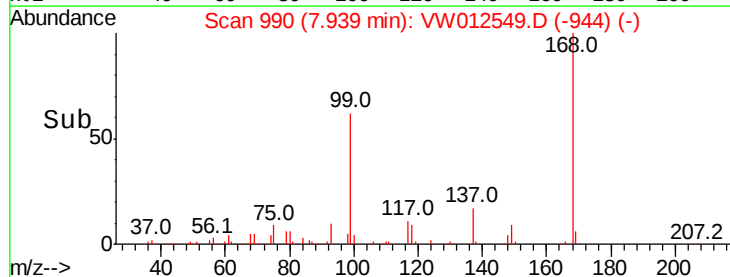
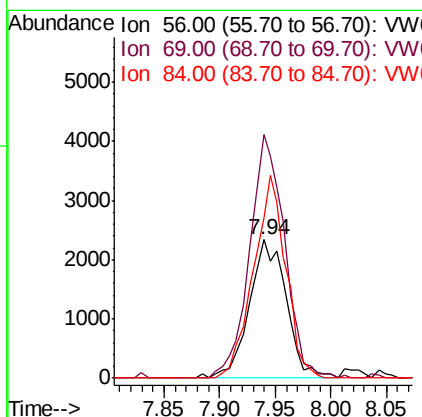
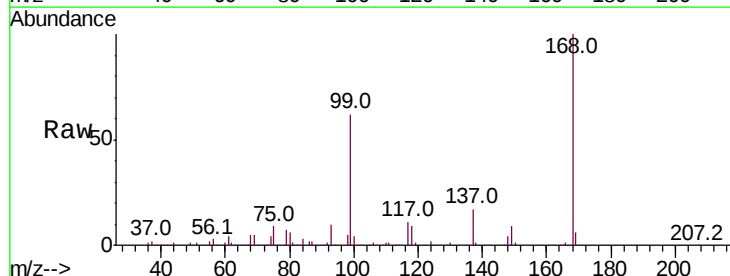
Instrument :
MSVOA_W
ClientSampled :

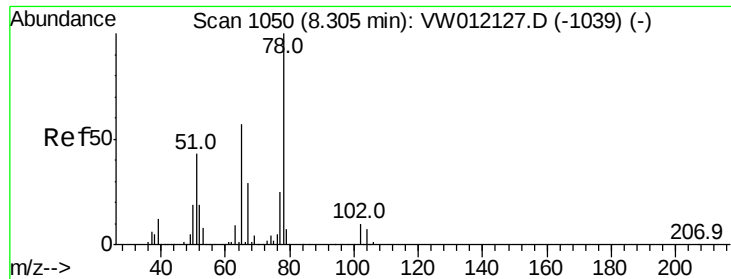
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.3	40.9
71	33.3	25.5	38.3



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

Tgt Ion	Ratio	Lower	Upper
56	100		
69	175.9	24.9	37.3#
84	116.1	60.6	90.8#

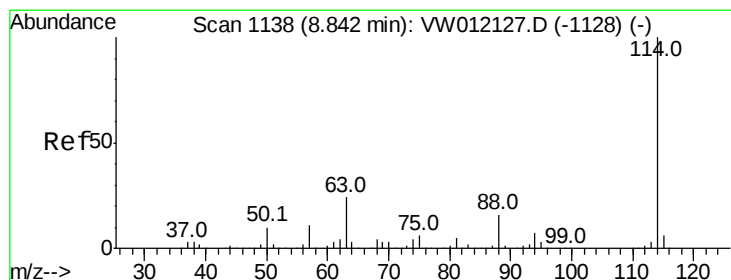
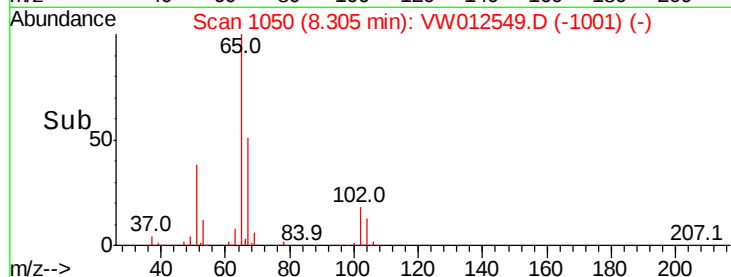
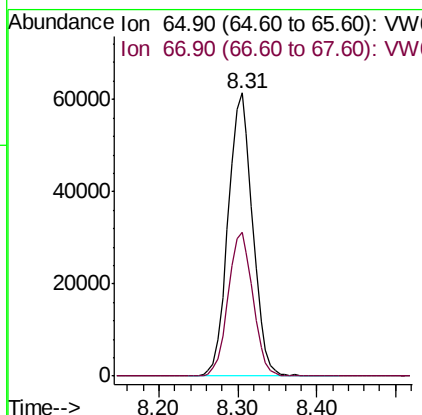
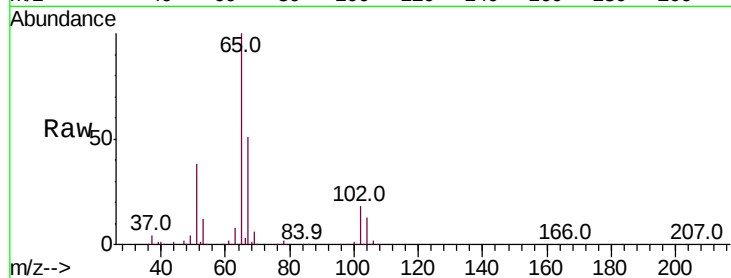




#33
 1,2-Dichloroethane-d4
 Concen: 52.681 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012549.D
 Acq: 03 Sep 2019 16:22

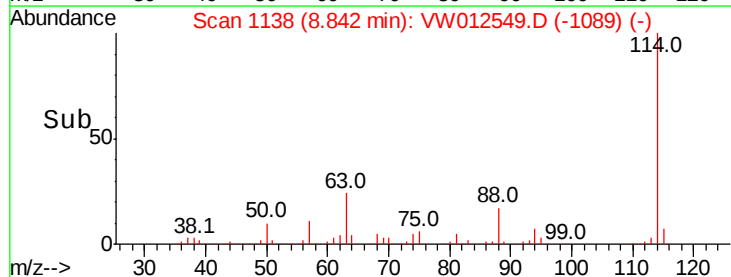
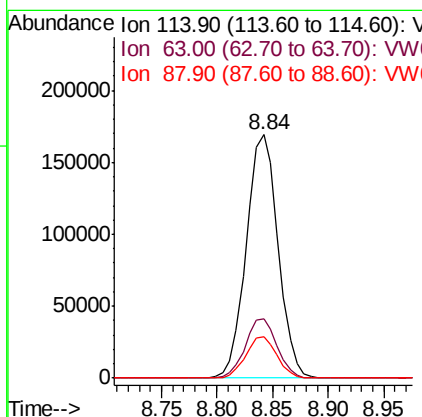
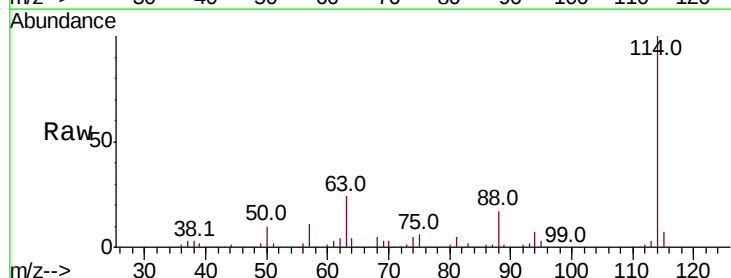
Instrument :
 MSVOA_W
 ClientSampleId :

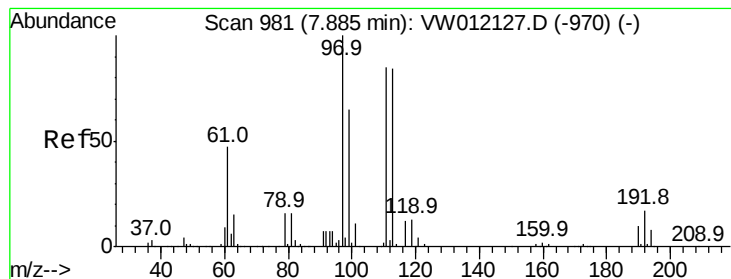
Tot Ion: 65 Resp: 132626
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012549.D
 Acq: 03 Sep 2019 16:22

Tgt Ion: 114 Resp: 336472
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.206 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

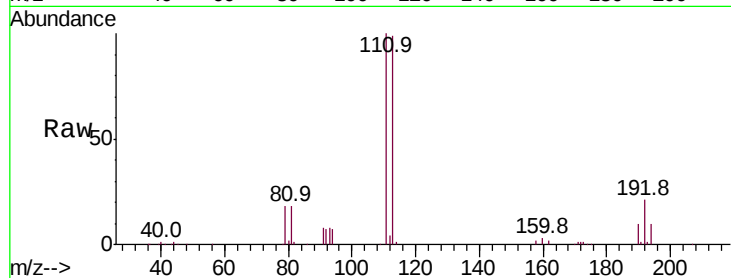
Tot Ion:113 Resp: 106860

Ion Ratio Lower Upper

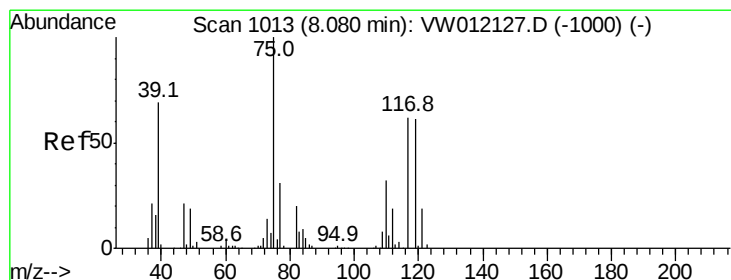
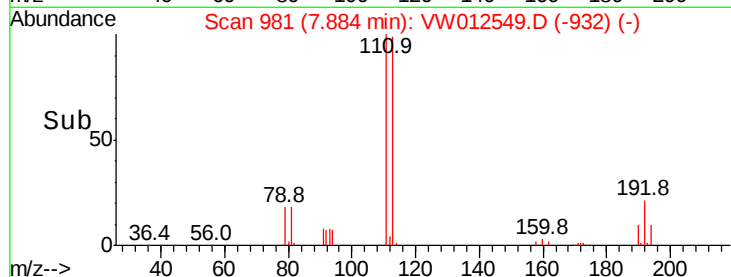
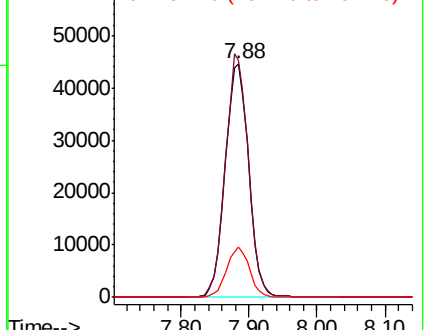
113 100

111 101.7 82.7 124.1

192 20.7 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: 5.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

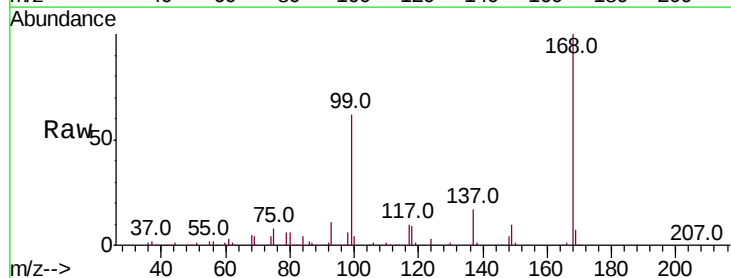
Tgt Ion: 75 Resp: 17666

Ion Ratio Lower Upper

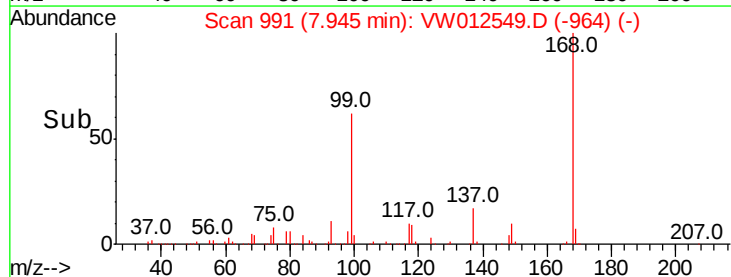
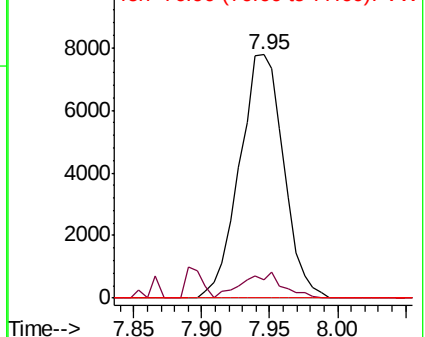
75 100

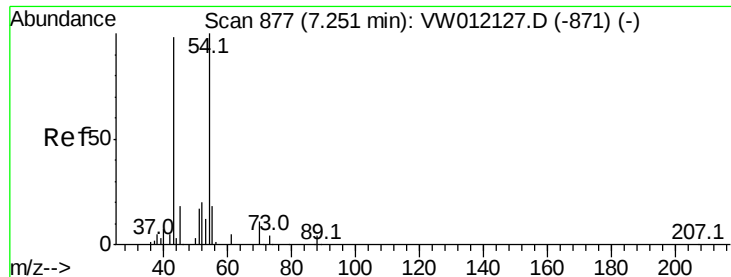
110 9.8 15.6 46.8#

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

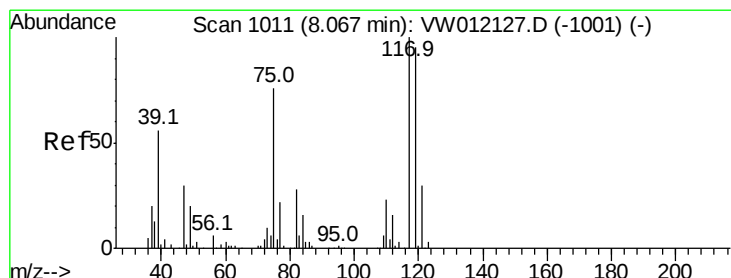
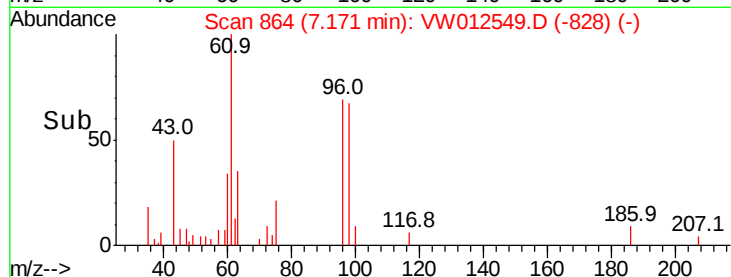
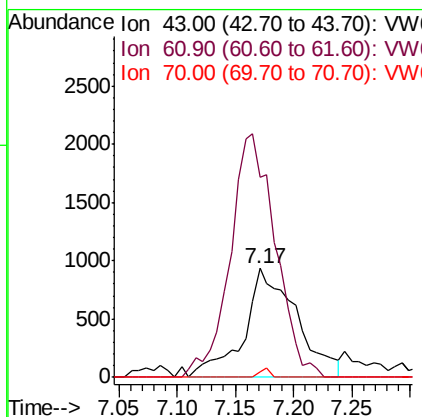
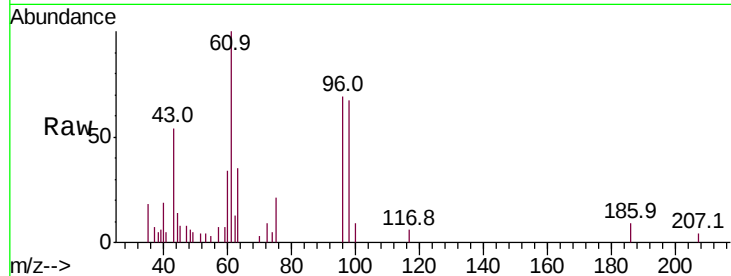




#37
Ethyl Acetate
Concen: 1.537 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

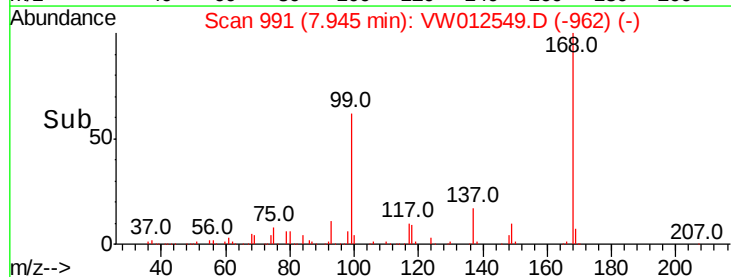
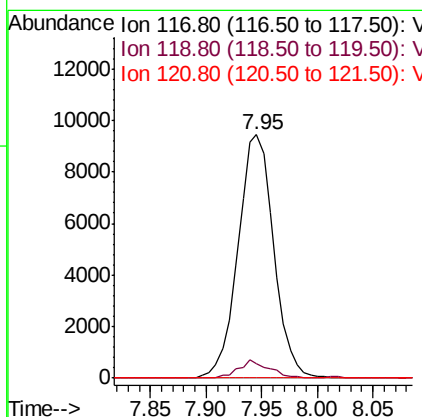
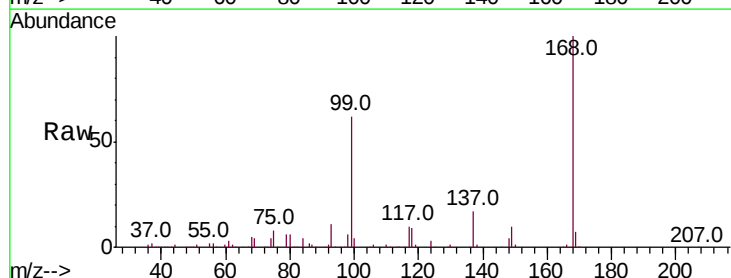
Instrument :
MSVOA_W
ClientSampleId :

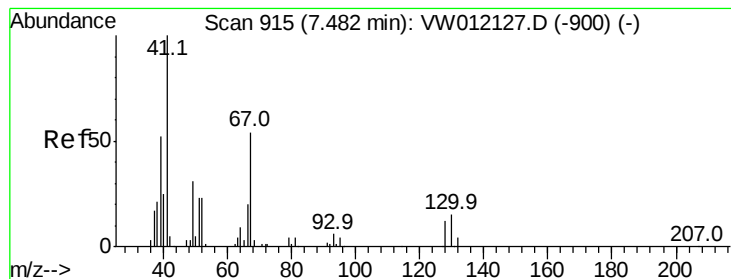
Tot Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
61 192.1 9.2 13.8#
70 1.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.987 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

Tgt Ion: 117 Resp: 21026
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.940 ug/l

RT: 7.54 min Scan# 924

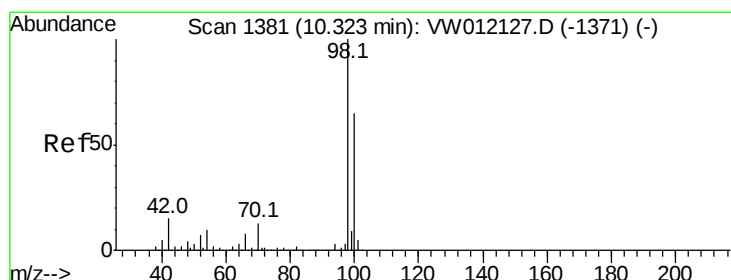
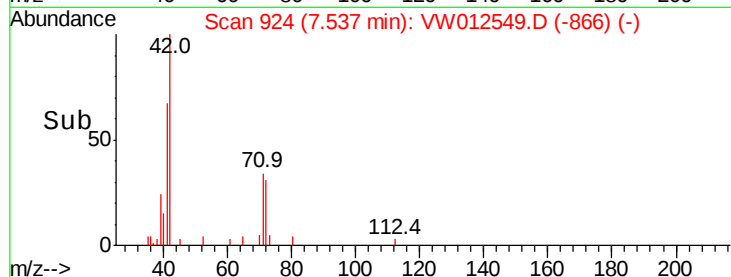
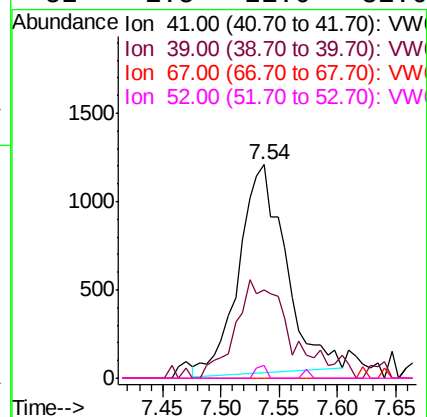
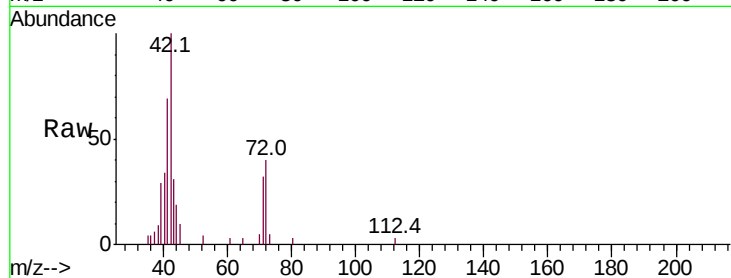
Delta R.T. 0.05 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	3292
Ion	Ratio	Lower	Upper
41	100		
39	53.7	45.8	68.8
67	0.0	46.2	69.4#
52	1.5	21.0	31.6#



#50

Toluene-d8

Concen: 47.516 ug/l

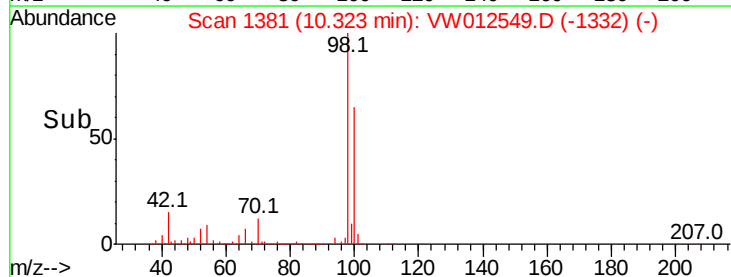
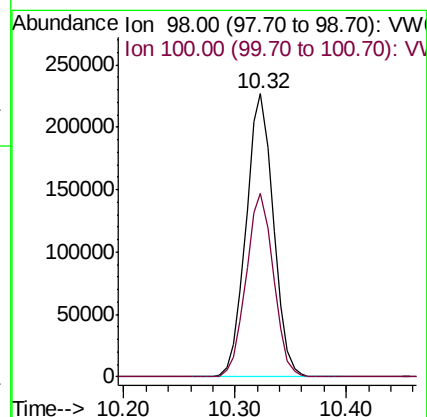
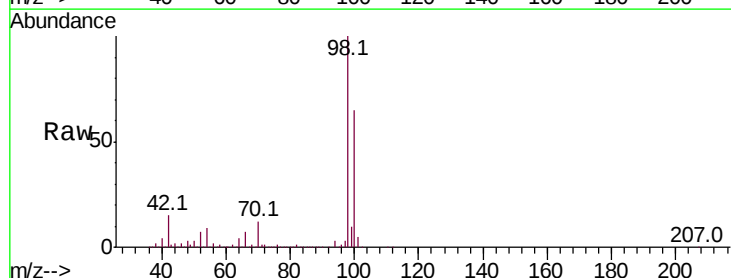
RT: 10.32 min Scan# 1381

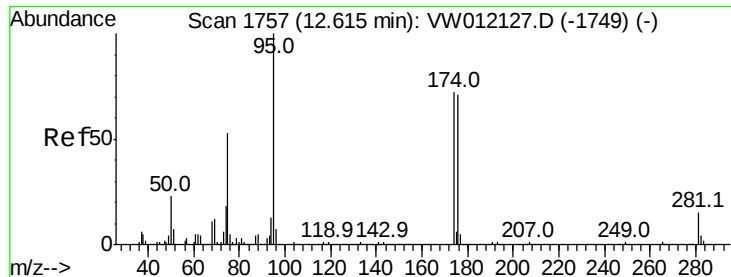
Delta R.T. -0.00 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Tgt Ion:	98	Resp:	386948
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

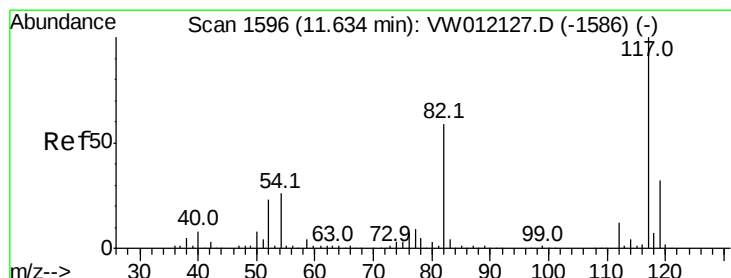
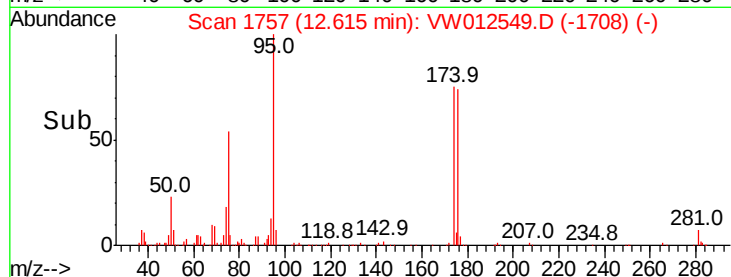
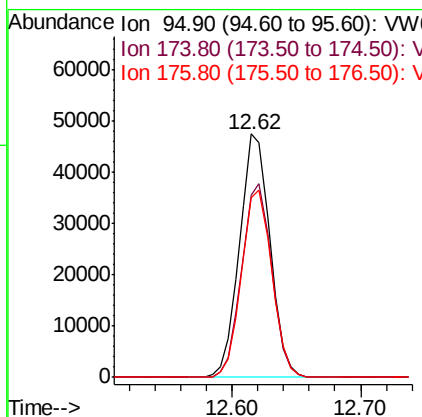
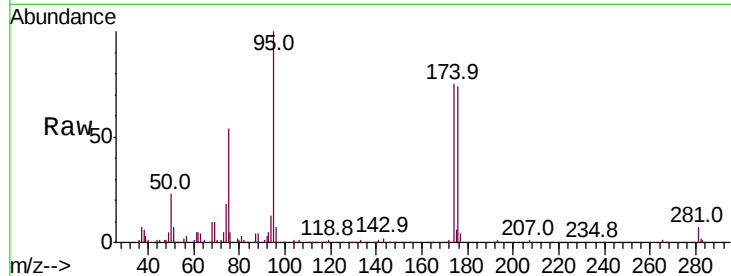




#62
4-Bromofluorobenzene
Concen: 26.992 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

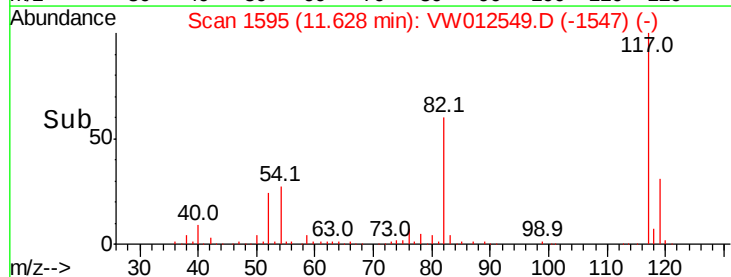
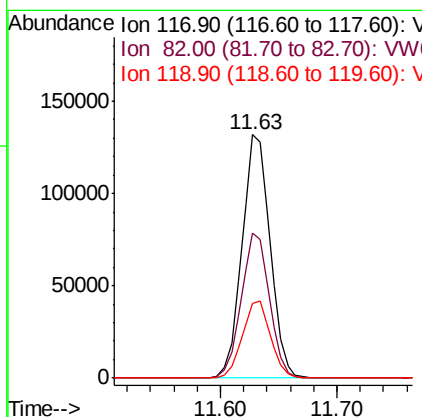
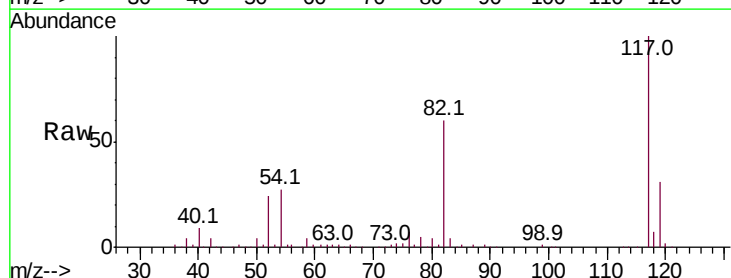
Instrument :
MSVOA_W
ClientSampleId :

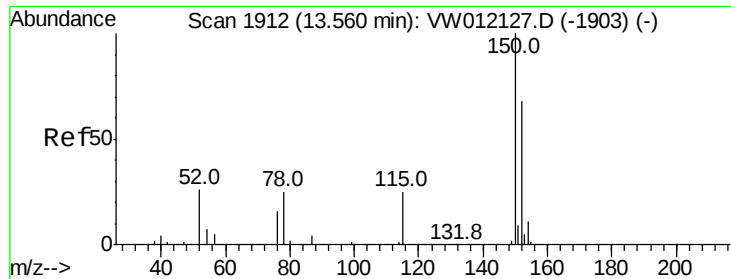
Tot Ion: 95 Resp: 77484
Ion Ratio Lower Upper
95 100
174 78.3 0.0 150.8
176 76.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

Tgt Ion: 117 Resp: 222880
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 30.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012549.D

Acq: 03 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

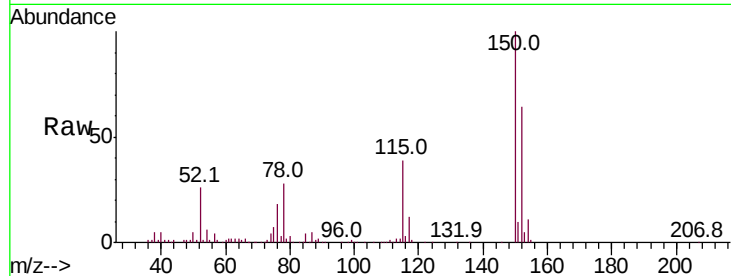
Tot Ion:152 Resp: 48708

Ion Ratio Lower Upper

152 100

115 62.4 30.1 90.3

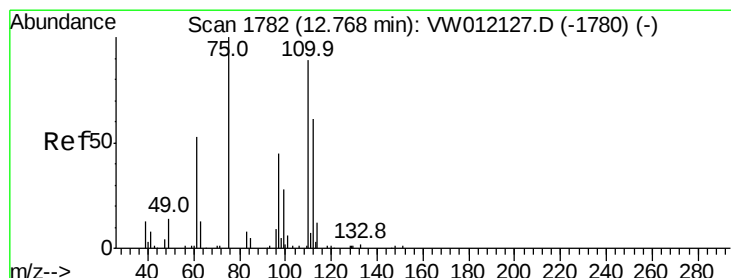
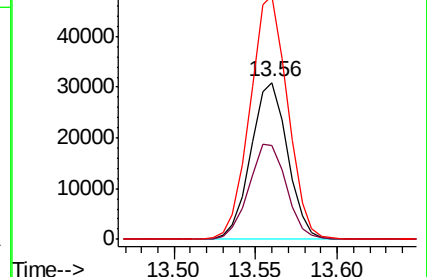
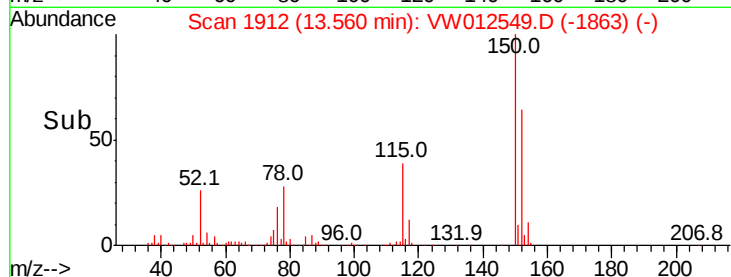
150 158.7 0.0 345.8



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: 90.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012549.D

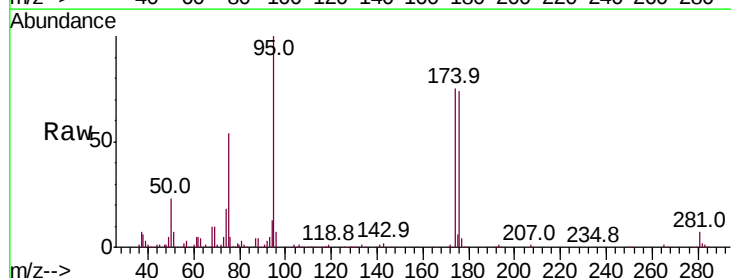
Acq: 03 Sep 2019 16:22

Tgt Ion: 75 Resp: 42706

Ion Ratio Lower Upper

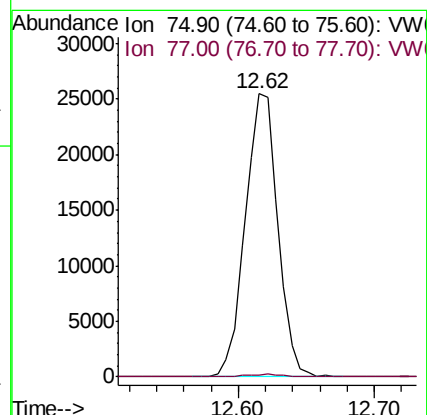
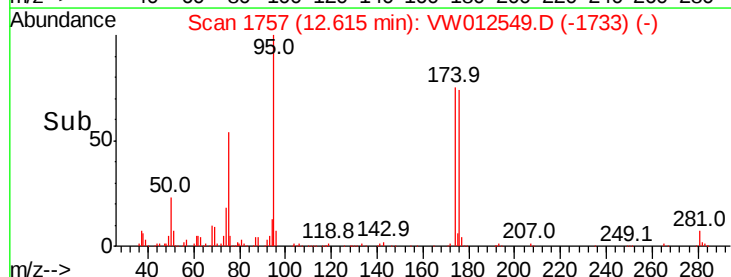
75 100

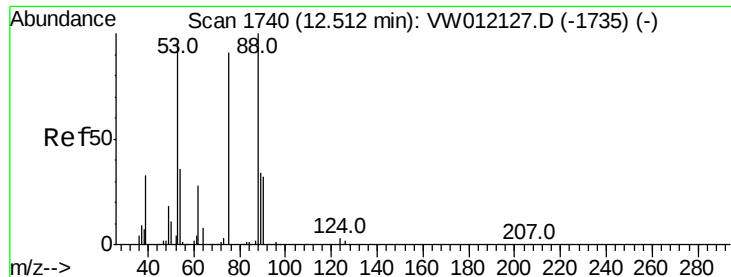
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

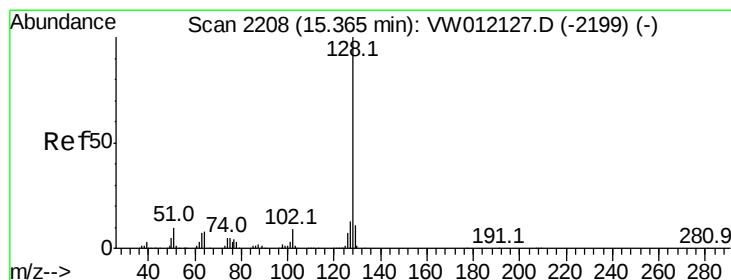
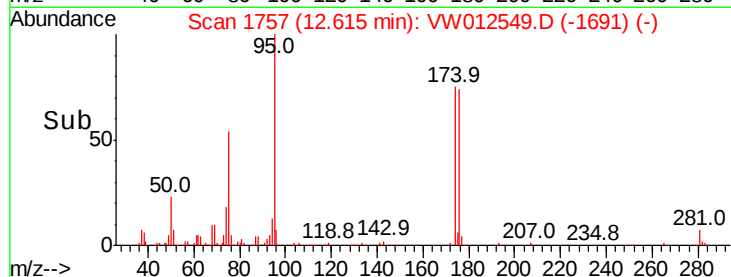
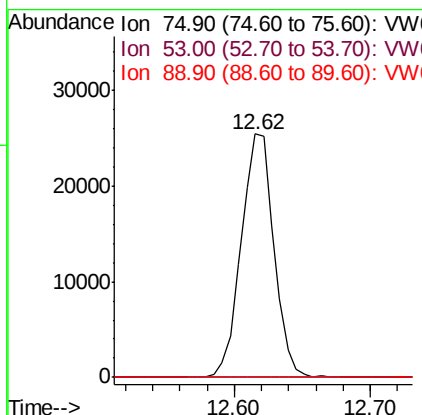
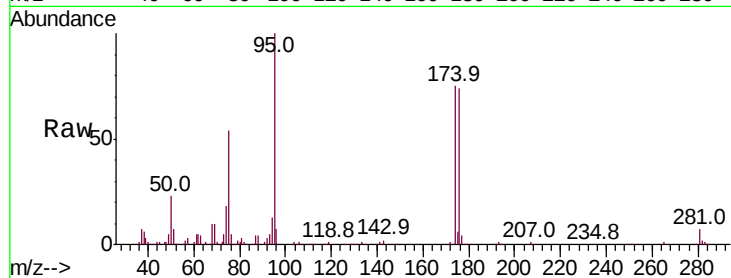




#81
trans-1,4-Dichloro-2-butene
Concen: 197.382 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 42706
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.472 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012549.D
Acq: 03 Sep 2019 16:22

Tgt Ion: 128 Resp: 303
Ion Ratio Lower Upper
128 100
127 6.6 10.7 16.1#
129 0.0 8.7 13.1#

