

Data File : VW012411.D
Acq On : 31 Aug 2019 19:52
Operator : SY/VA
Sample : K4493-06RE
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(1.9)

Quant Time: Sep 01 03:33:48 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	205306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139080	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	107768	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.32	98	423059	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	137443	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

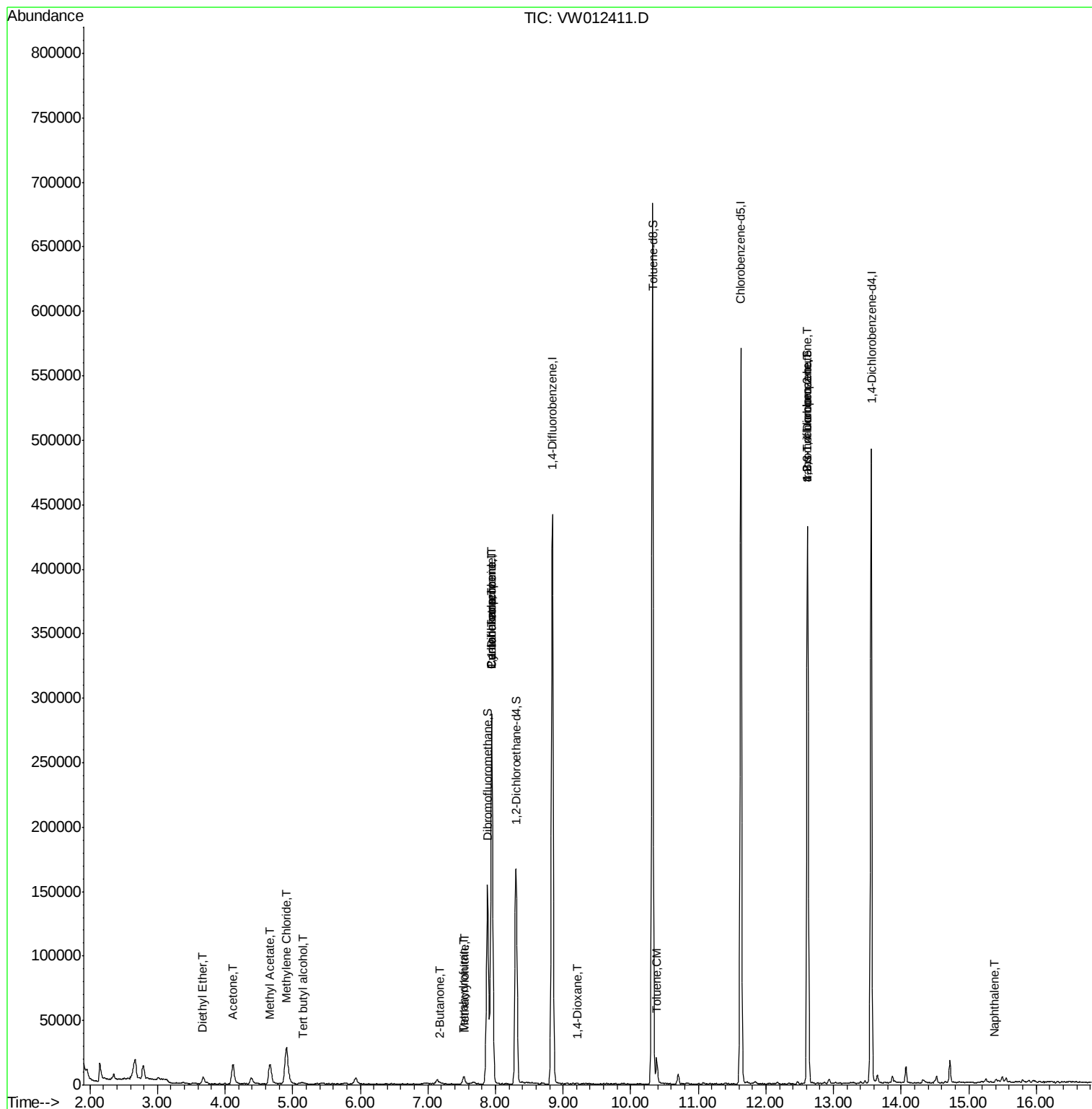
						Qvalue
8) Diethyl Ether	3.67	74	2696	2.360	ug/l	97
11) Tert butyl alcohol	5.17	59	1827	12.439	ug/l #	71
16) Acetone	4.12	43	28011	44.899	ug/l	100
18) Methyl Acetate	4.66	43	32022	20.723	ug/l	100
20) Methylene Chloride	4.91	84	20732	8.790	ug/l	97
25) 2-Butanone	7.18	43	1235	1.457	ug/l #	64
29) Tetrahydrofuran	7.52	42	4639	9.121	ug/l	98
31) Cyclohexane	7.94	56	5150	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17782	5.048	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21220	6.960	ug/l #	17
41) Methacrylonitrile	7.53	41	3063	2.700	ug/l #	58
49) 1,4-Dioxane	9.21	88	27	1.531	ug/l #	1
52) Toluene	10.38	92	8013	1.387	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	75483	63.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75483	140.311	ug/l #	6
95) Naphthalene	15.38	128	161	4.353	ug/l #	87

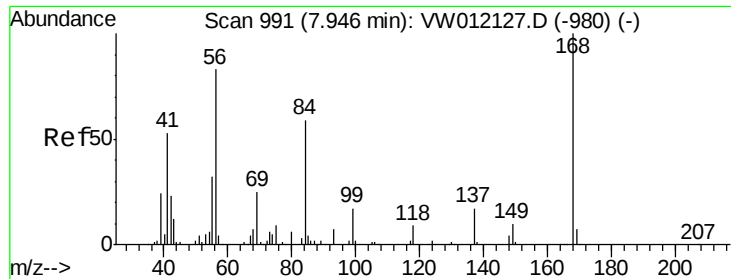
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampled :

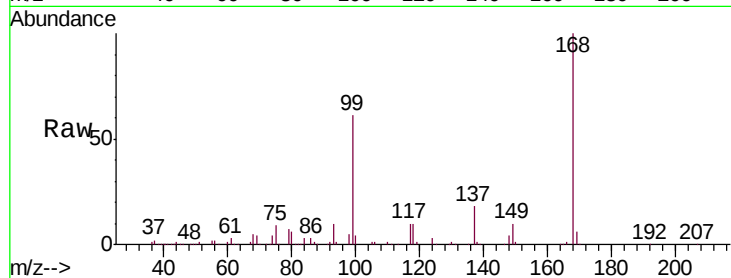
T9-12-13-I(1.9)

Tgt Ion:168 Resp: 205306

Ion Ratio Lower Upper

168 100

99 60.8 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

100000

80000

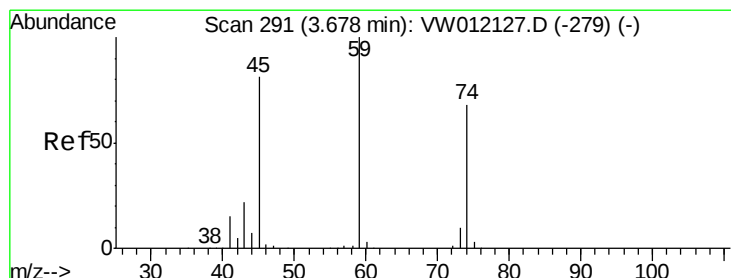
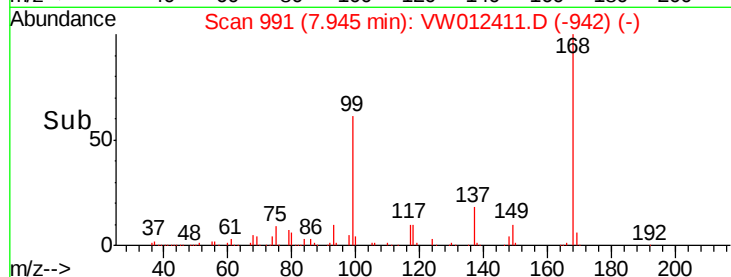
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.360 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012411.D

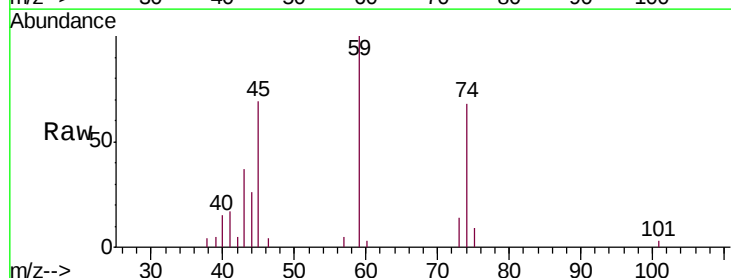
Acq: 31 Aug 2019 19:52

Tgt Ion: 74 Resp: 2696

Ion Ratio Lower Upper

74 100

45 121.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

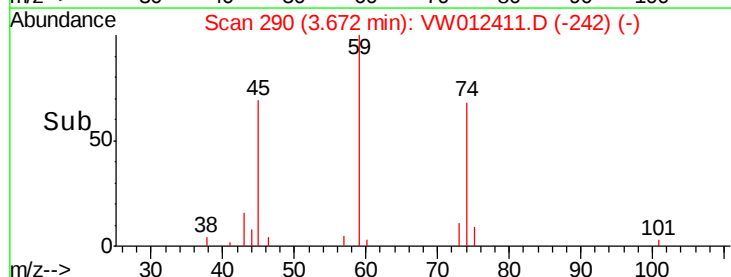
1500

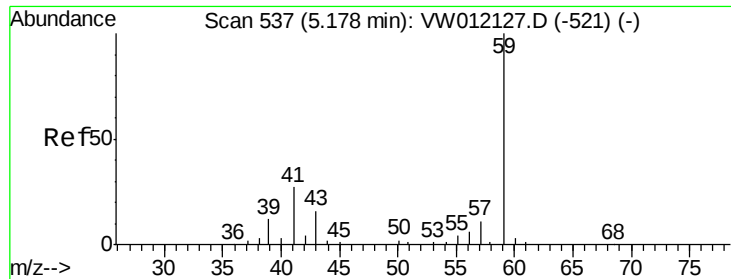
1000

500

0

Time-->

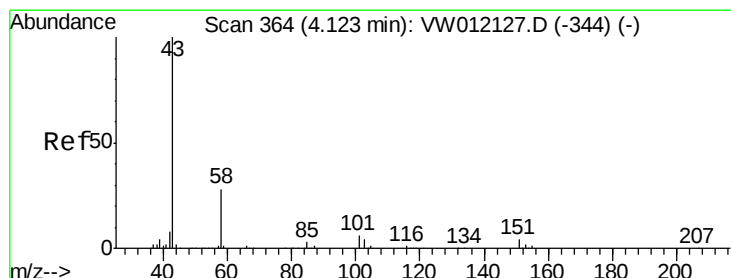
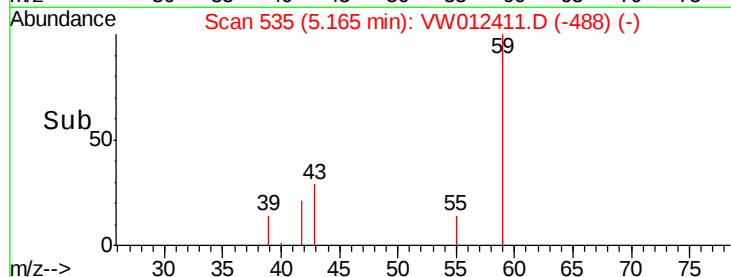
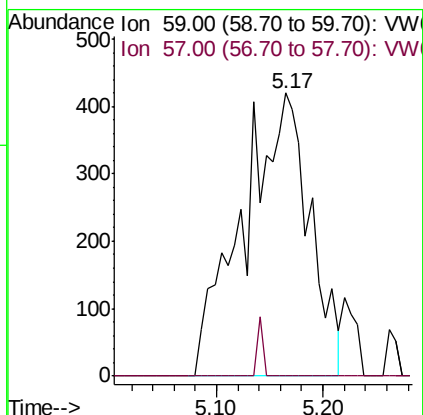
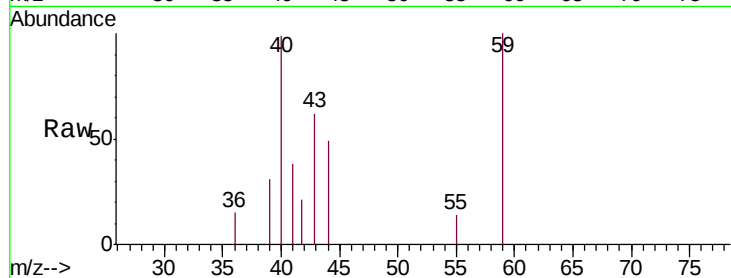




#11
Tert butyl alcohol
Concen: 12.439 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

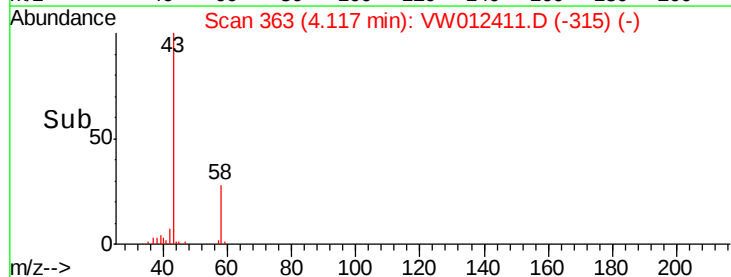
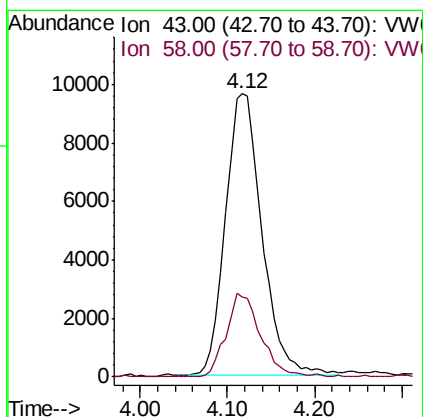
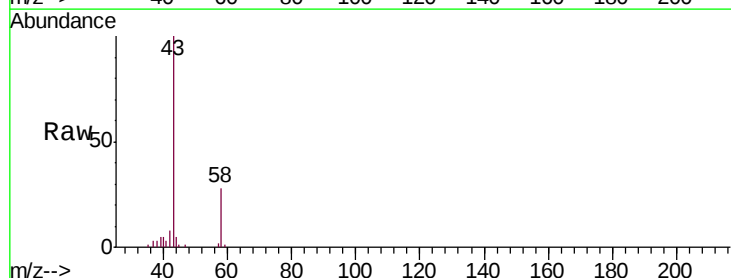
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(1.9)

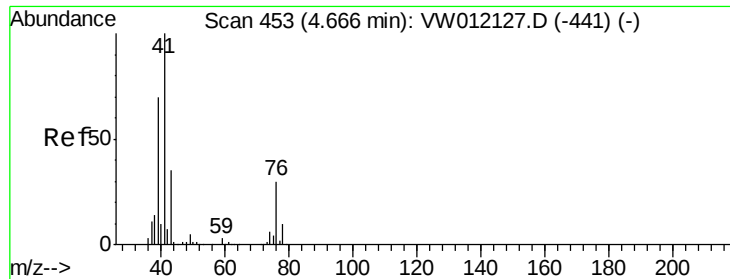
Tgt Ion: 59 Resp: 1827
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 44.899 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

Tgt Ion: 43 Resp: 28011
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6

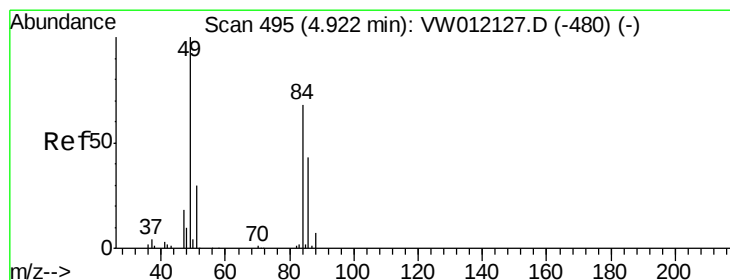
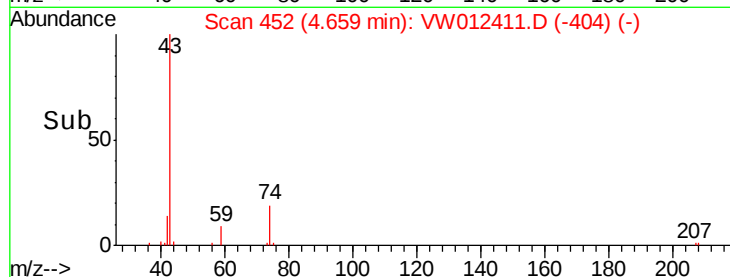
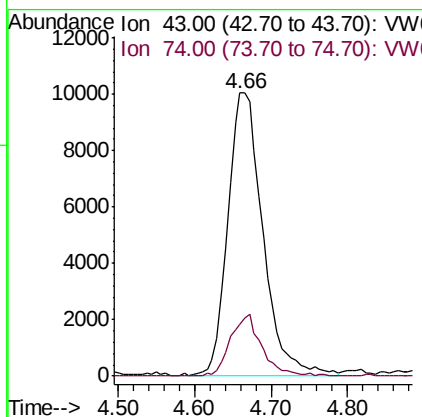
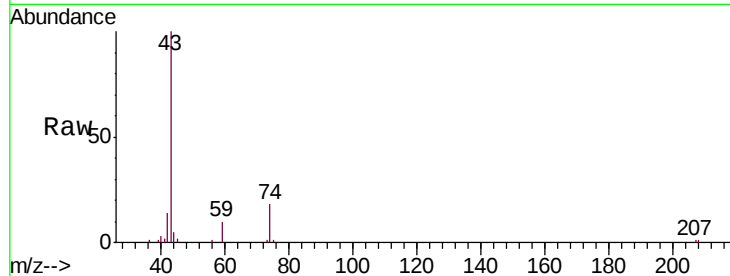




#18
Methyl Acetate
Concen: 20.723 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

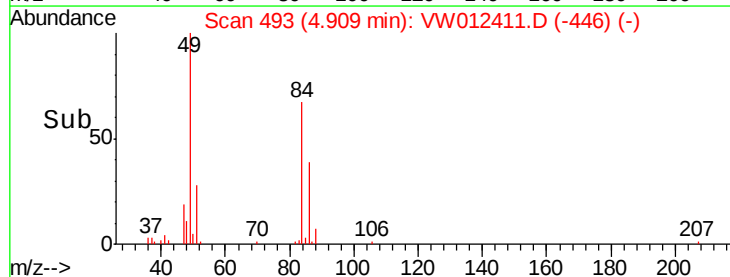
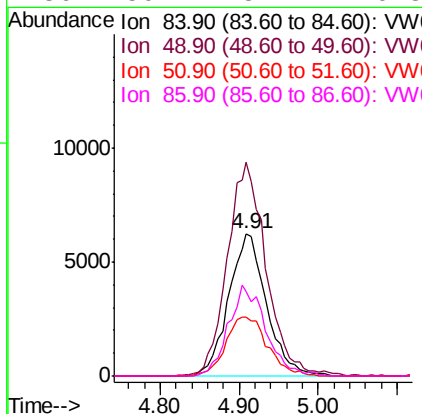
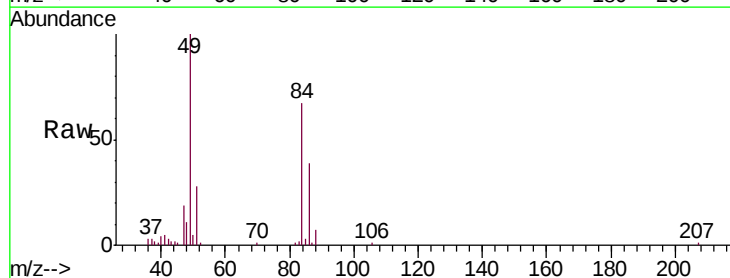
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(1.9)

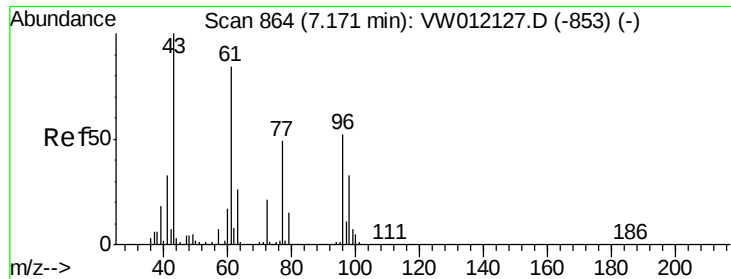
Tgt Ion: 43 Resp: 32022
Ion Ratio Lower Upper
43 100
74 19.4 15.7 23.5



#20
Methylene Chloride
Concen: 8.790 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

Tgt Ion: 84 Resp: 20732
Ion Ratio Lower Upper
84 100
49 149.0 117.8 176.8
51 41.8 35.6 53.4
86 59.1 51.2 76.8

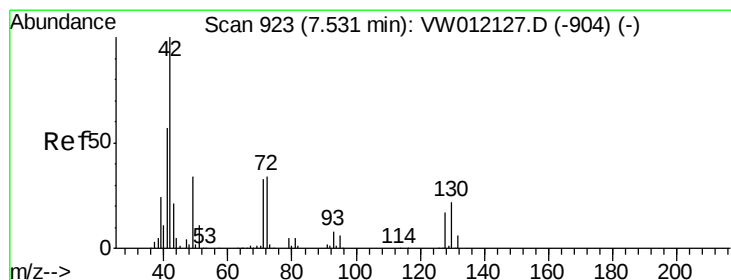
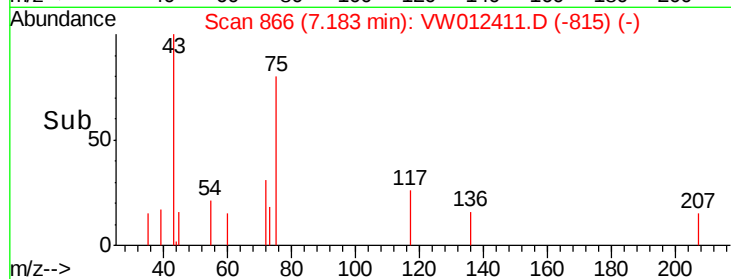
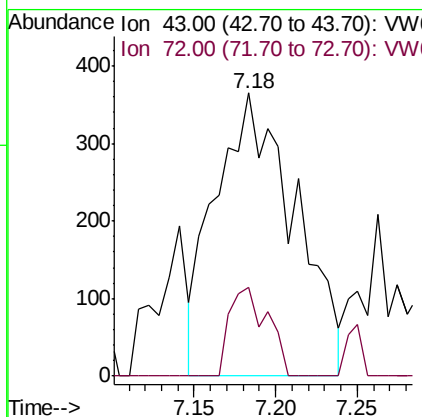
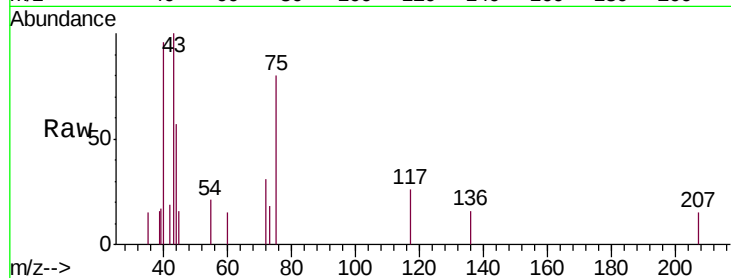




#25
2-Butanone
Concen: 1.457 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

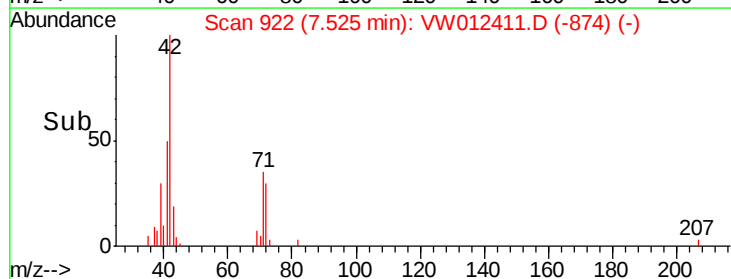
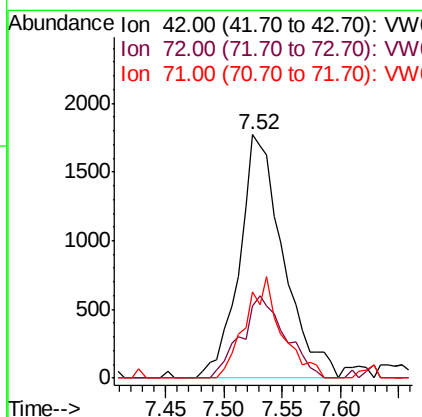
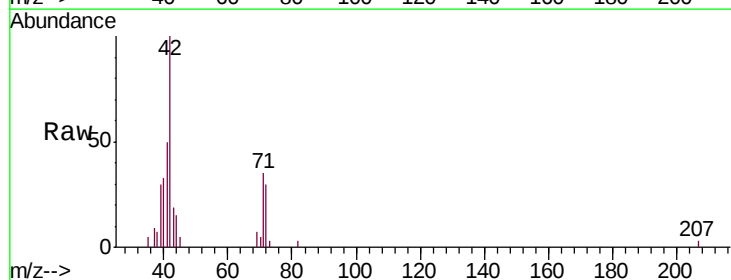
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(1.9)

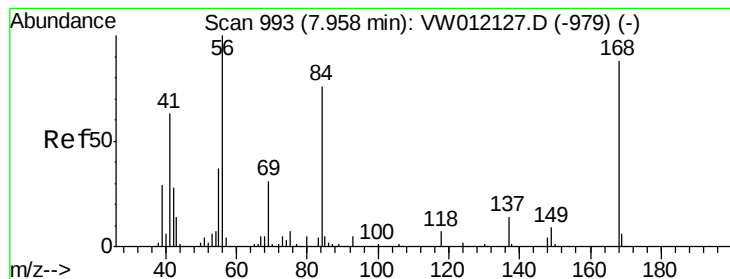
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
72 37.6 16.6 24.8#



#29
Tetrahydrofuran
Concen: 9.121 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

Tgt Ion: 42 Resp: 4639
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 34.3 25.5 38.3





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampled :

T9-12-13-I-(1.9)

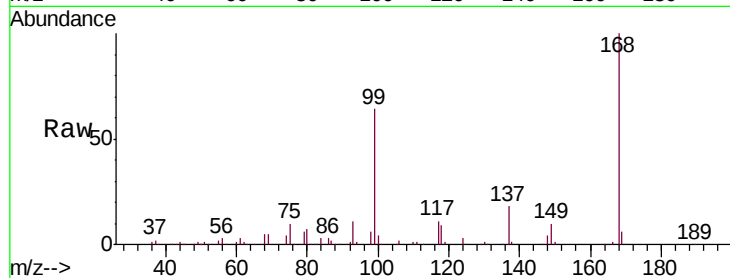
Tgt Ion: 56 Resp: 5150

Ion Ratio Lower Upper

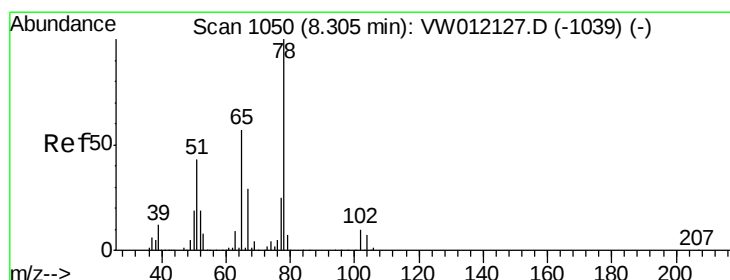
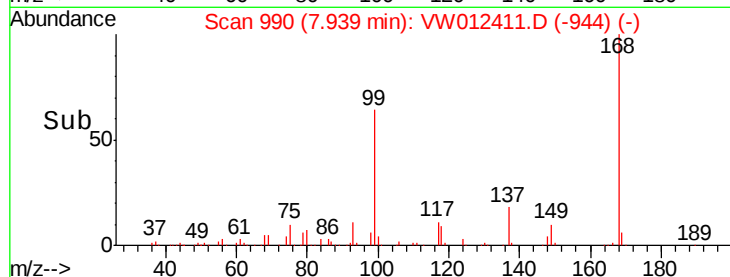
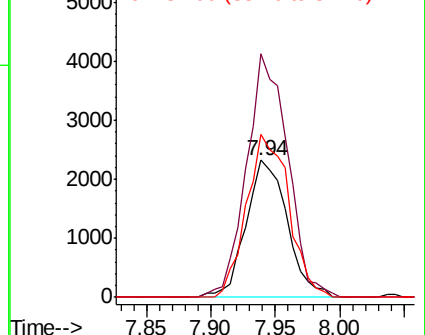
56 100

69 177.4 24.9 37.3#

84 118.3 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.986 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012411.D

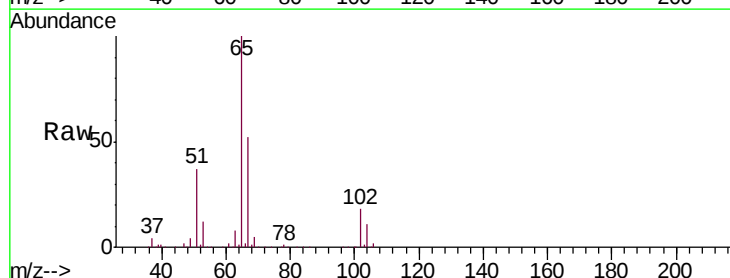
Acq: 31 Aug 2019 19:52

Tgt Ion: 65 Resp: 139080

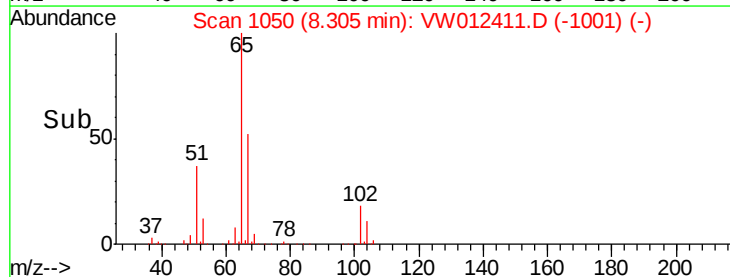
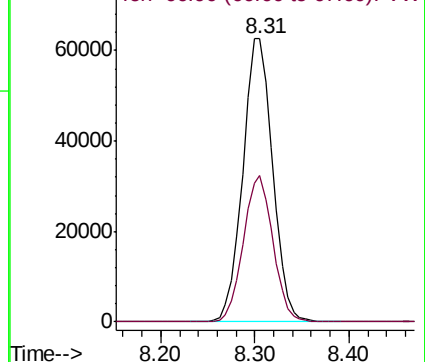
Ion Ratio Lower Upper

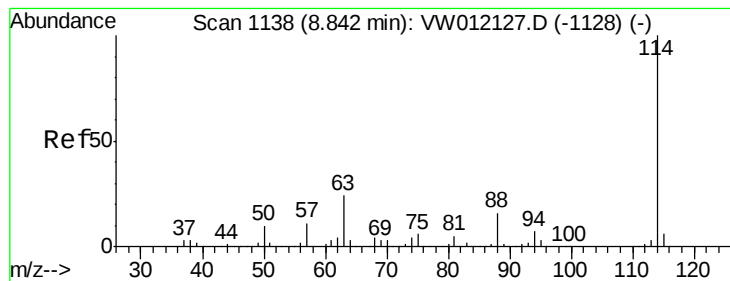
65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I-(1.9)

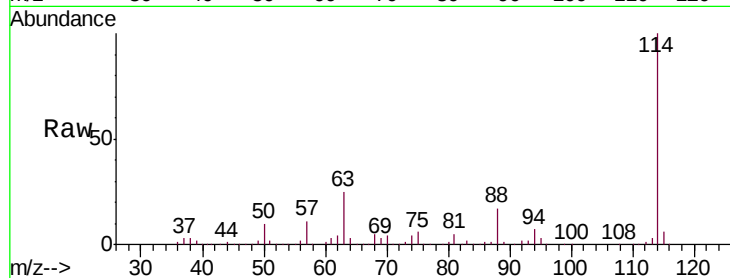
Tgt Ion:114 Resp: 340851

Ion Ratio Lower Upper

114 100

63 25.4 0.0 48.6

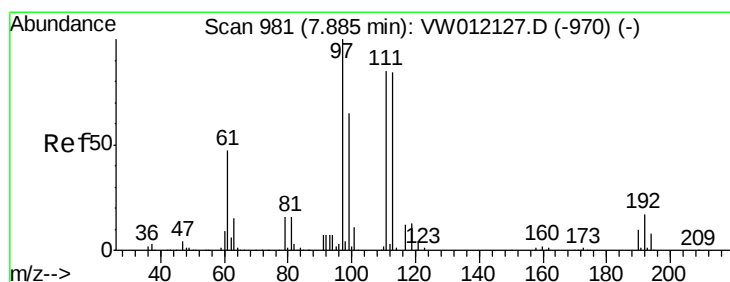
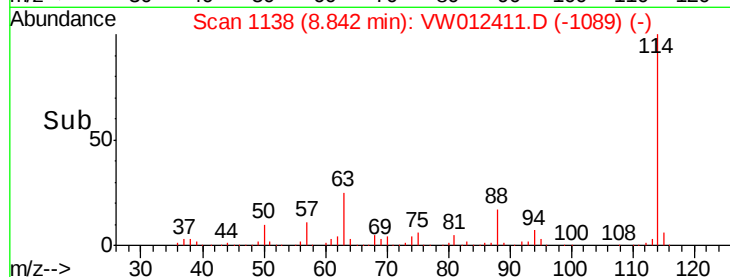
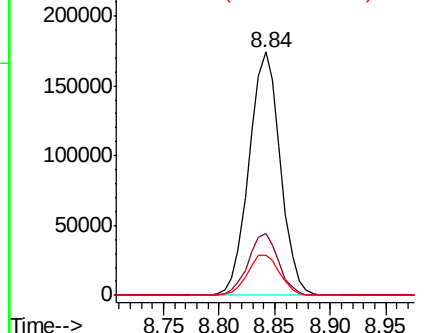
88 16.7 0.0 32.2



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



#35

Dibromofluoromethane

Concen: 52.969 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

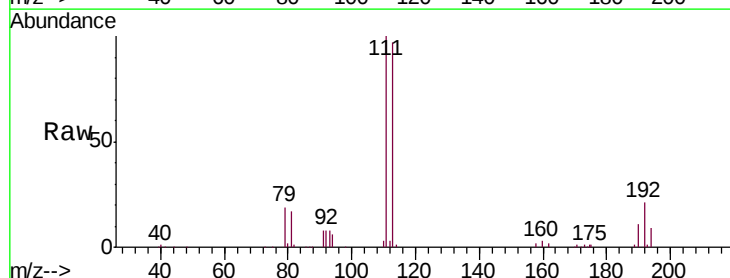
Tgt Ion:113 Resp: 107768

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

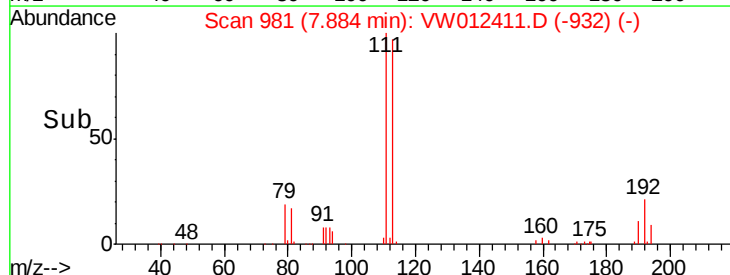
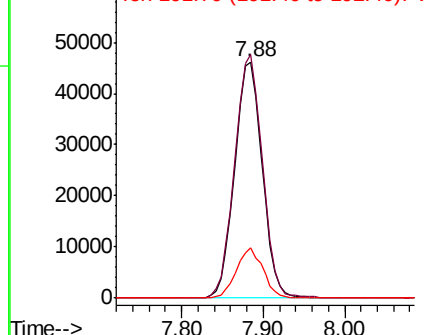
192 20.5 16.2 24.2

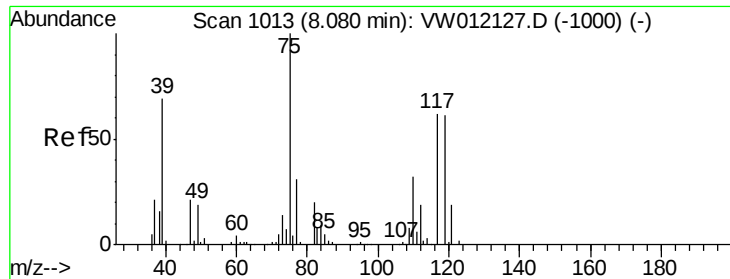


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

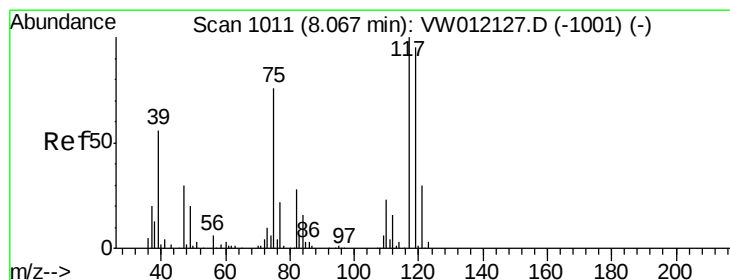
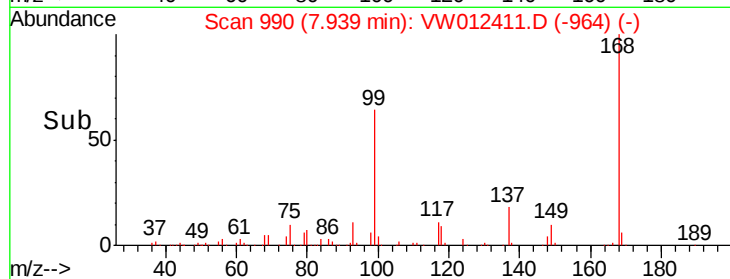
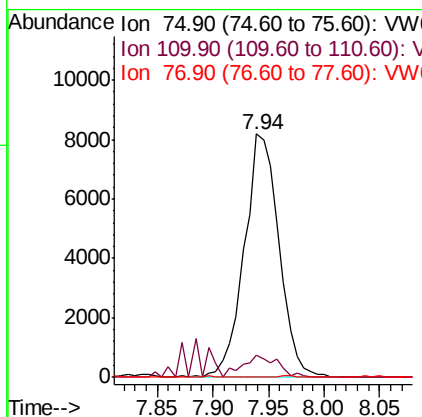
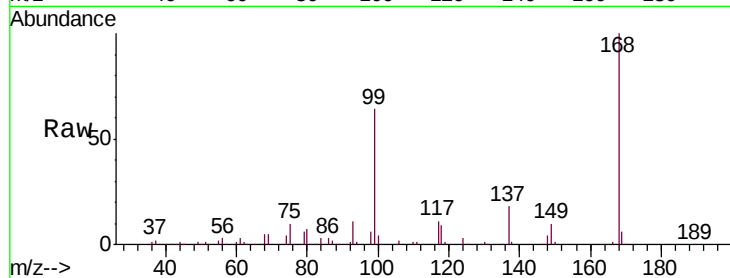




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012411.D
 Acq: 31 Aug 2019 19:52

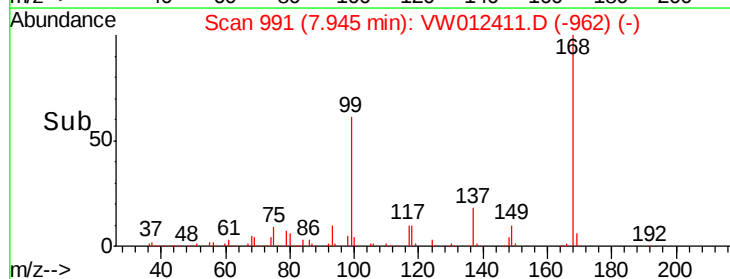
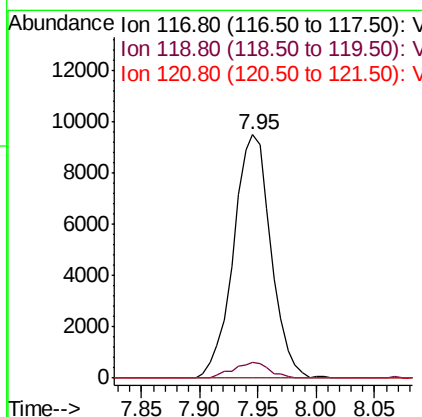
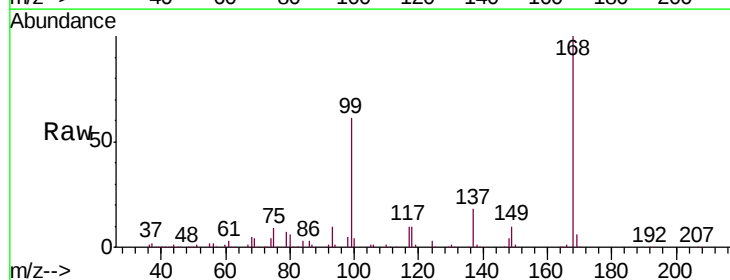
Instrument :
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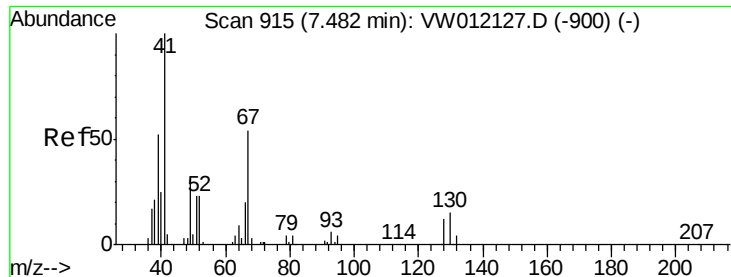
Tgt Ion: 75 Resp: 17782
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.960 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012411.D
 Acq: 31 Aug 2019 19:52

Tgt Ion: 117 Resp: 21220
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.700 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

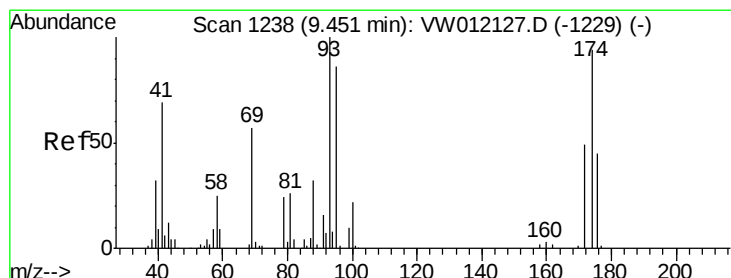
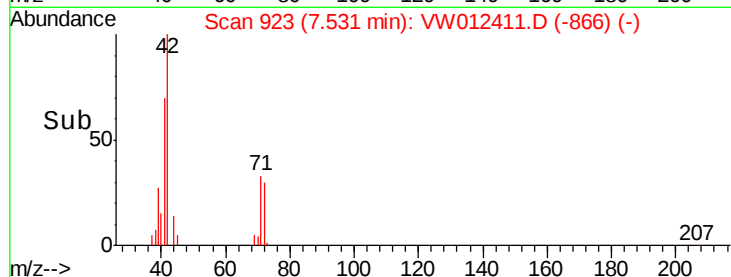
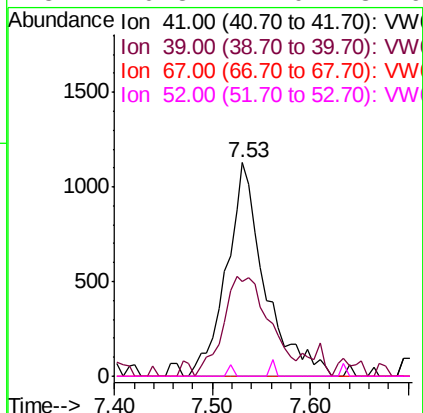
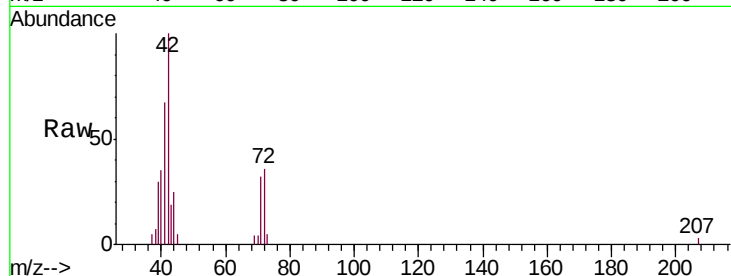
Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I(1.9)

Tgt Ion:	41	Resp:	3063
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.8	68.8
67	0.0	46.2	69.4#
52	0.8	21.0	31.6#



#49

1,4-Dioxane

Concen: 1.531 ug/l

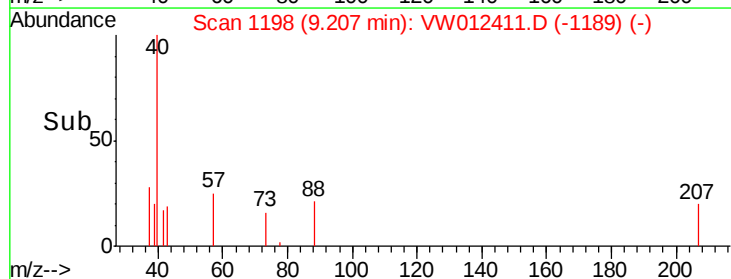
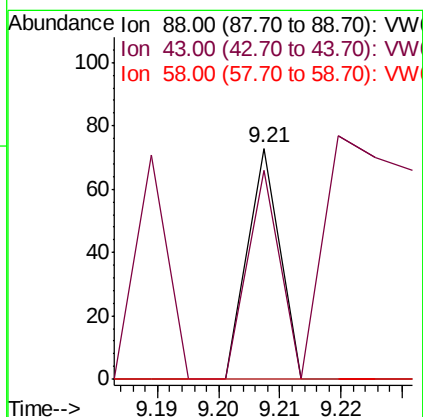
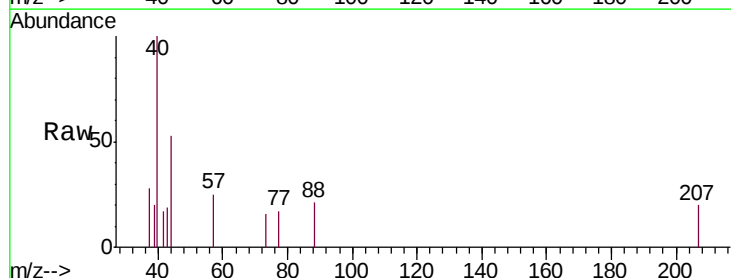
RT: 9.21 min Scan# 1198

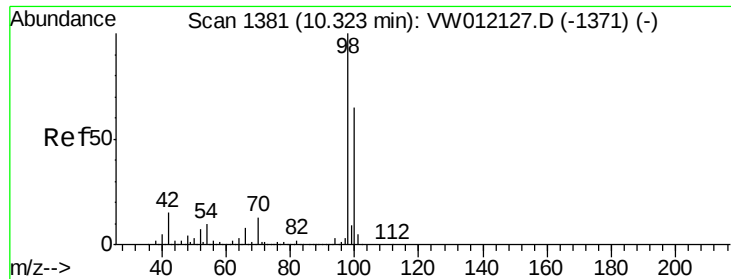
Delta R.T. -0.24 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Tgt Ion:	88	Resp:	27
Ion	Ratio	Lower	Upper
88	100		
43	377.8	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 51.283 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

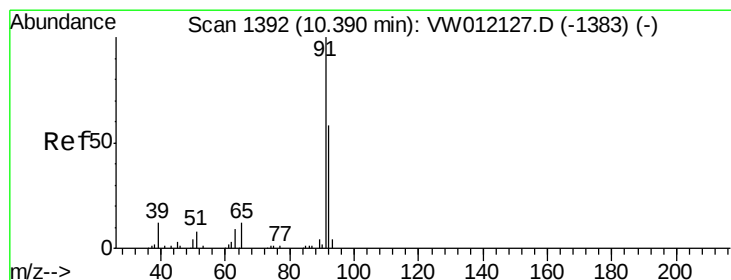
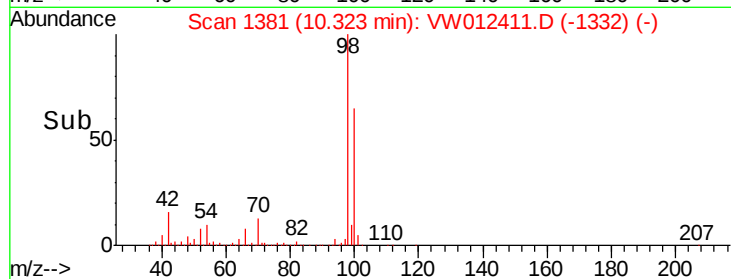
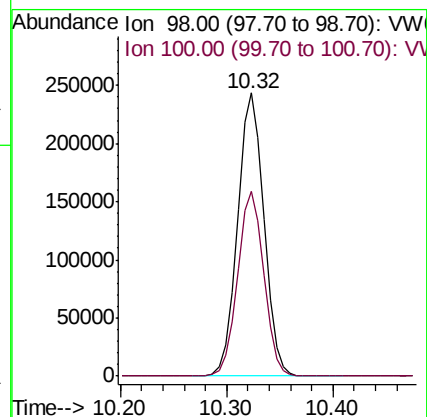
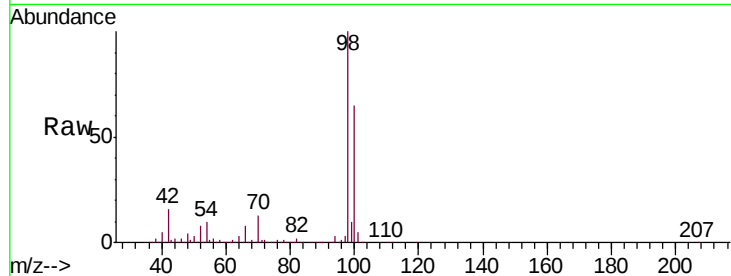
T9-12-13-I-(1.9)

Tgt Ion: 98 Resp: 423059

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#52

Toluene

Concen: 1.387 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012411.D

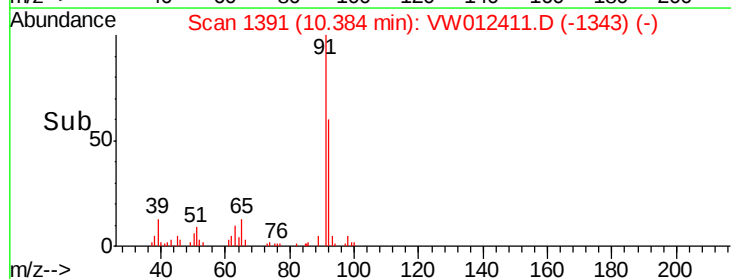
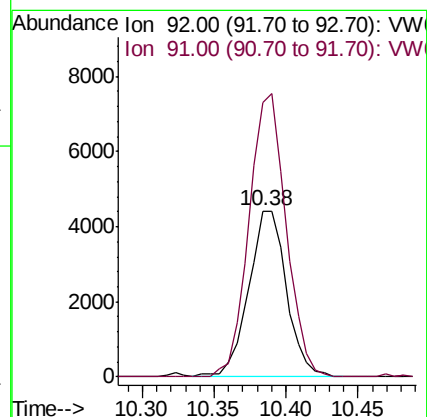
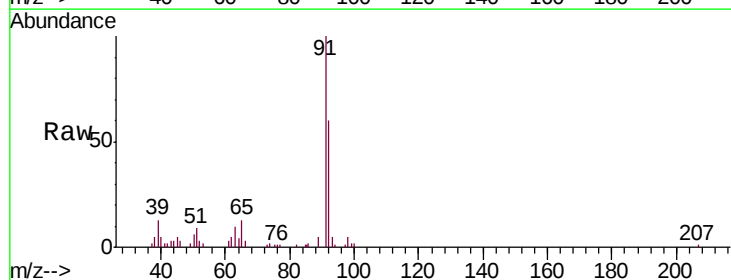
Acq: 31 Aug 2019 19:52

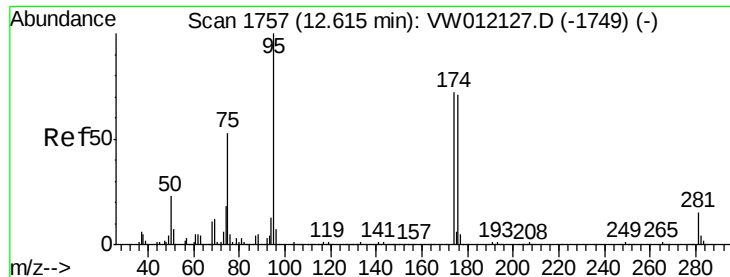
Tgt Ion: 92 Resp: 8013

Ion Ratio Lower Upper

92 100

91 166.9 136.6 204.8

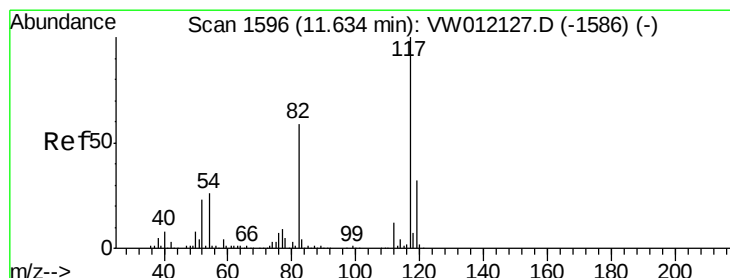
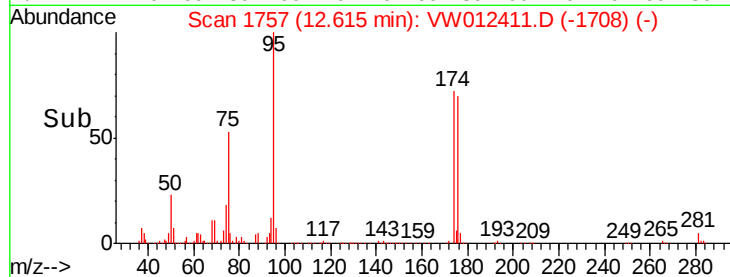
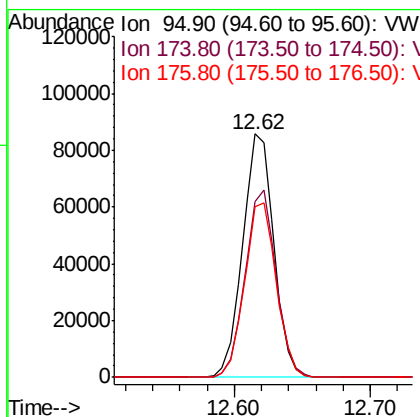
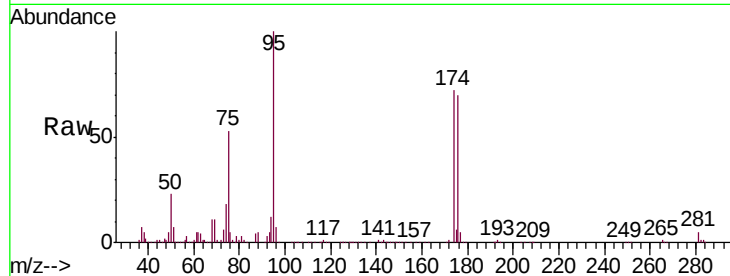




#62
4-Bromofluorobenzene
Concen: 47.265 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

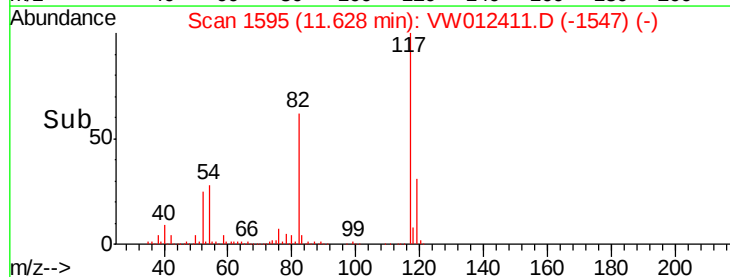
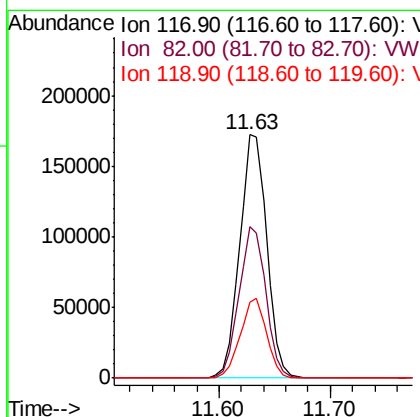
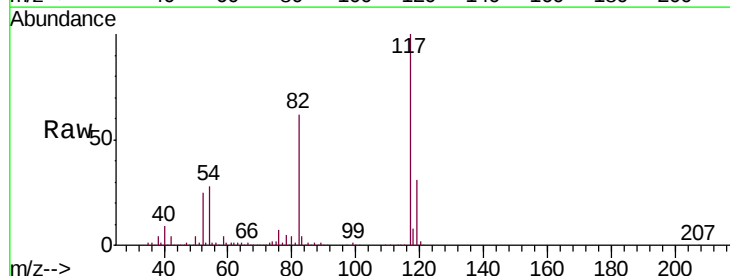
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(1.9)

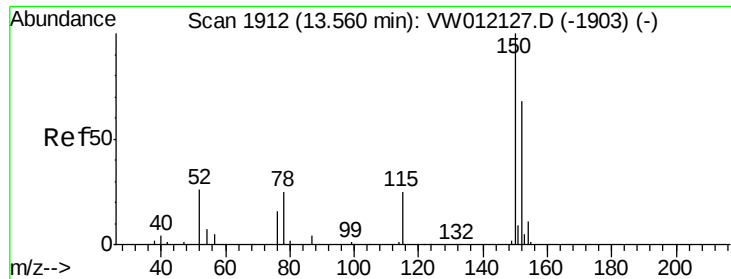
Tgt Ion: 95 Resp: 137443
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.8
176 73.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012411.D
Acq: 31 Aug 2019 19:52

Tgt Ion: 117 Resp: 290916
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 31.4 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: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I-(1.9)

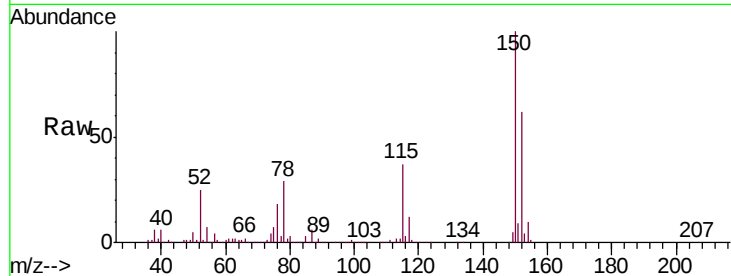
Tgt Ion:152 Resp: 121109

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

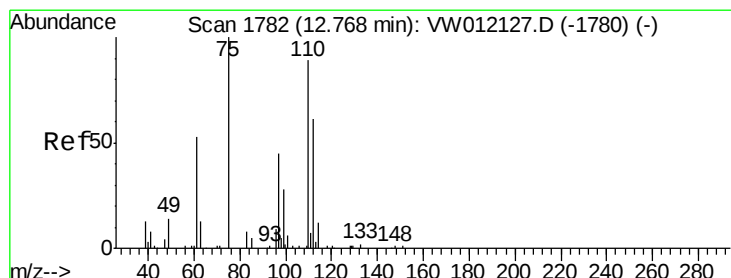
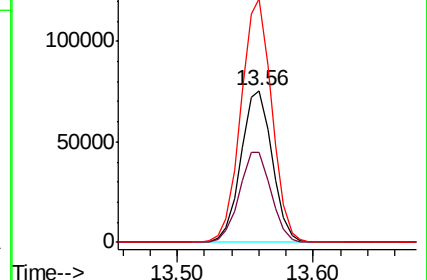
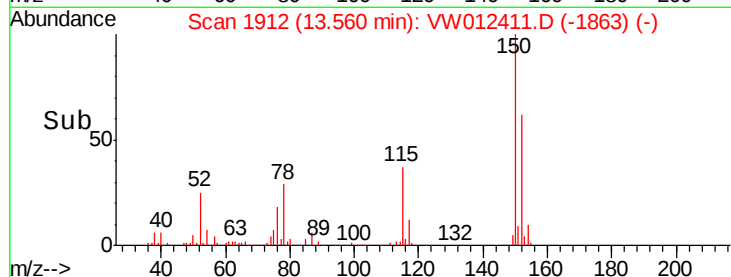
150 158.6 0.0 345.8



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: 63.995 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012411.D

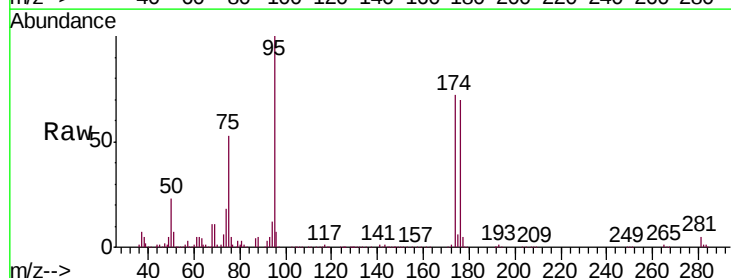
Acq: 31 Aug 2019 19:52

Tgt Ion: 75 Resp: 75483

Ion Ratio Lower Upper

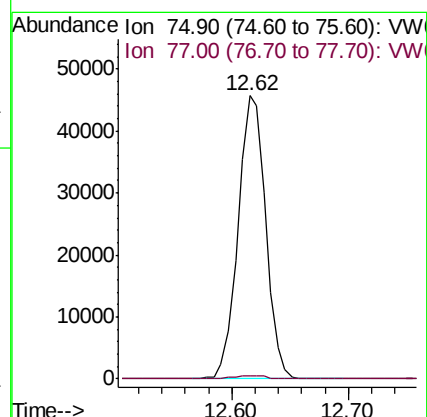
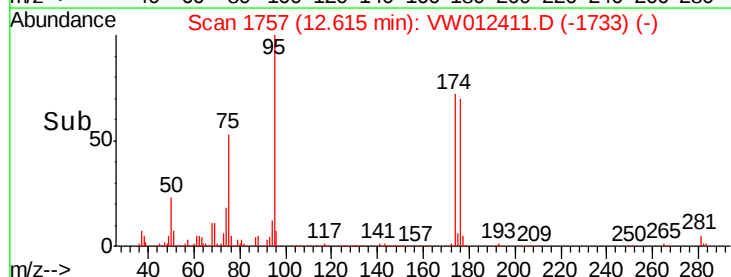
75 100

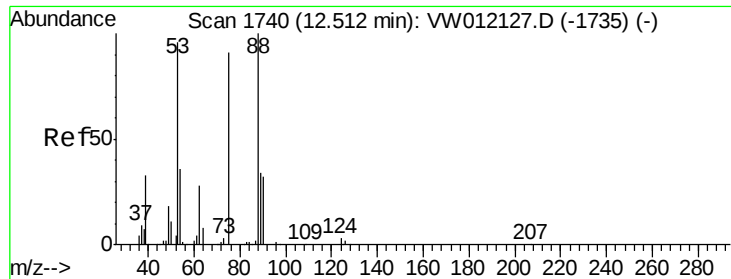
77 1.4 0.0 0.0#



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: 140.311 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I-(1.9)

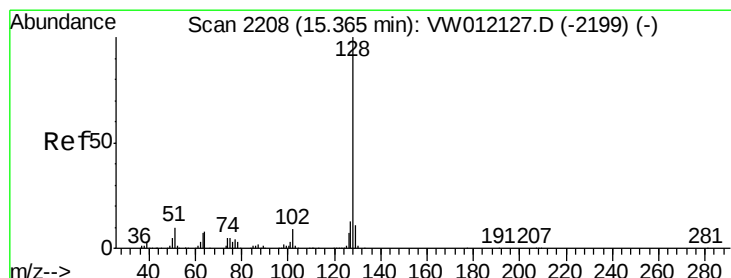
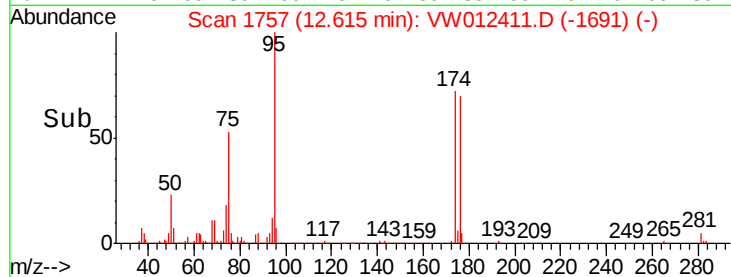
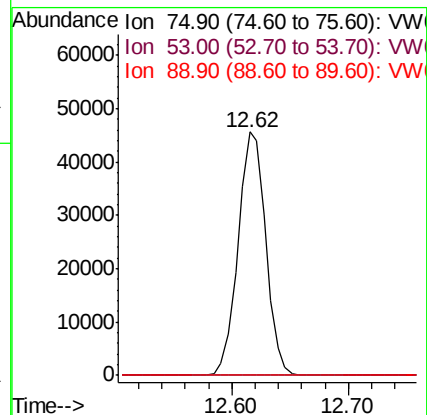
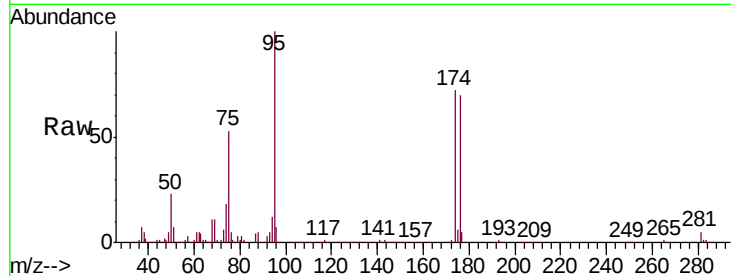
Tgt Ion: 75 Resp: 75483

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.353 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.02 min

Lab File: VW012411.D

Acq: 31 Aug 2019 19:52

Tgt Ion: 128 Resp: 161

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 0.0 8.7 13.1#

