

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012624.D
 Acq On : 05 Sep 2019 07:25
 Operator : SY/VA
 Sample : K4547-17
 Misc : 5.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-1-(2.5)

Quant Time: Sep 05 07:57:55 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	254484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116293	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	164101	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	7.88	113	127527	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.32	98	492960	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	142612	41.03	ug/l	0.00
Spiked Amount			Recovery	=	82.06%	

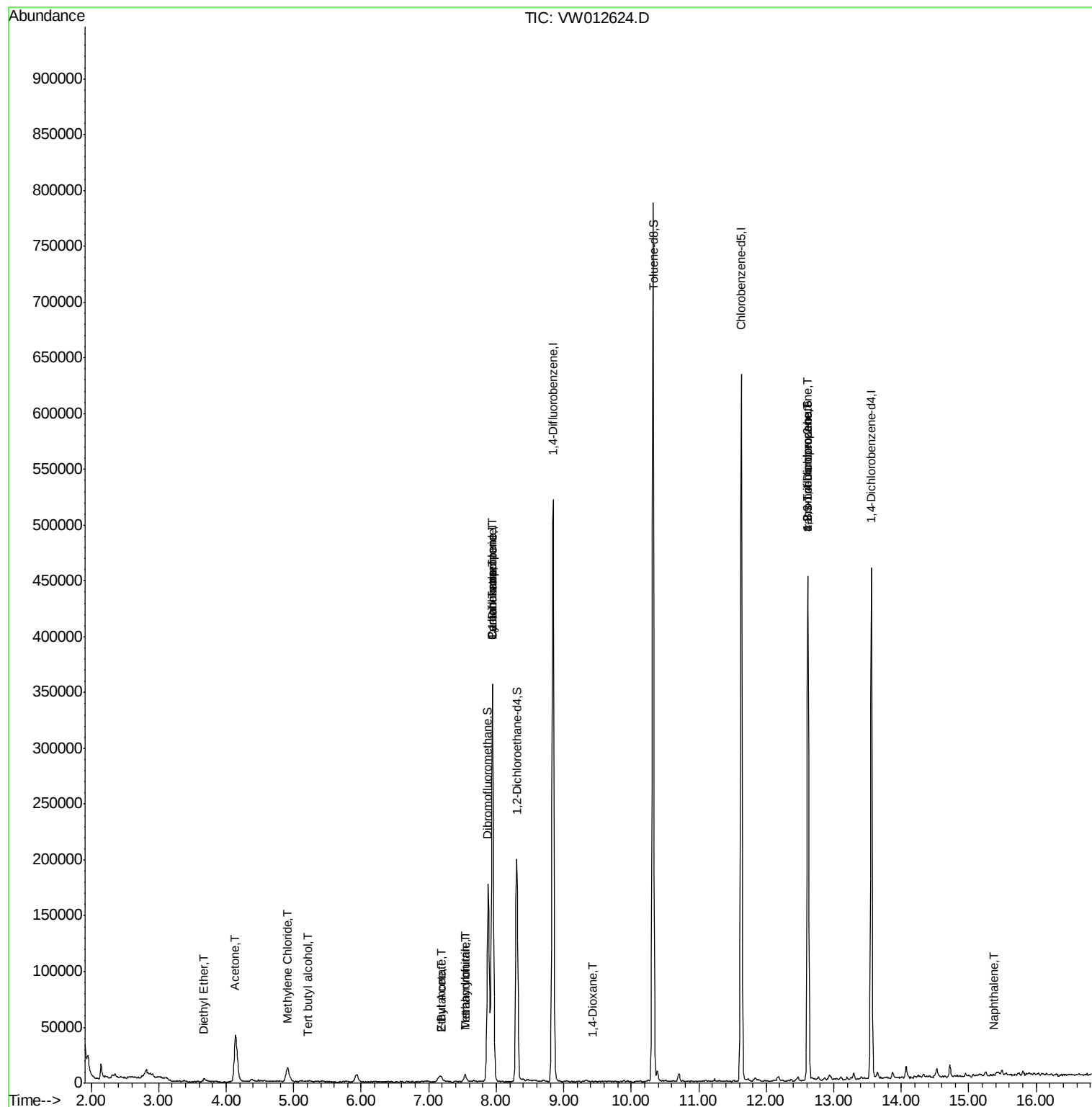
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1435	1.013	ug/l	57
11) Tert butyl alcohol	5.20	59	539	2.961	ug/l #	94
16) Acetone	4.14	43	91786	118.694	ug/l	95
20) Methylene Chloride	4.92	84	9289	3.177	ug/l	86
25) 2-Butanone	7.19	43	7495	7.132	ug/l	94
29) Tetrahydrofuran	7.54	42	5862	9.298	ug/l	95
31) Cyclohexane	7.95	56	6505	1.194	ug/l #	9
36) 1,1-Dichloropropene	7.94	75	21683	5.150	ug/l #	52
37) Ethyl Acetate	7.19	43	7495	3.248	ug/l #	76
38) Carbon Tetrachloride	7.95	117	25585	7.021	ug/l #	17
41) Methacrylonitrile	7.54	41	3585	2.644	ug/l #	56
49) 1,4-Dioxane	9.43	88	22	1.044	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	78633	69.426	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78633	152.220	ug/l #	6
95) Naphthalene	15.36	128	539	4.433	ug/l #	84

(#) = 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: VW012624.D

Acq: 05 Sep 2019 07:25

Instrument :

MSVOA_W

ClientSampleId :

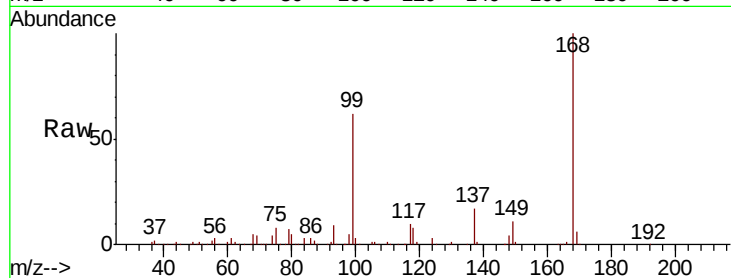
T12-1-(2.5)

Tgt Ion:168 Resp: 254484

Ion Ratio Lower Upper

168 100

99 62.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

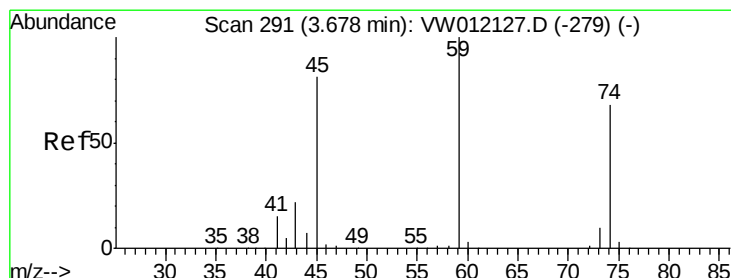
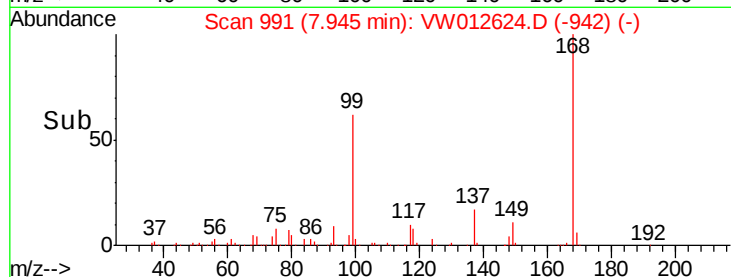
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.013 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012624.D

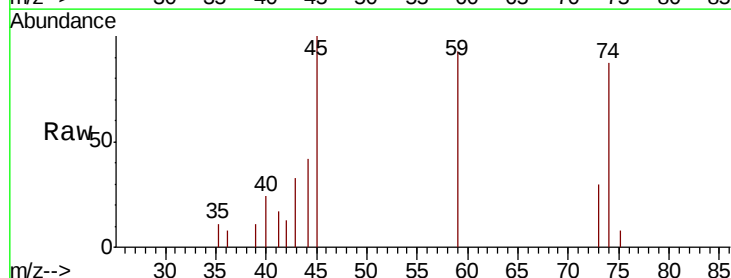
Acq: 05 Sep 2019 07:25

Tgt Ion: 74 Resp: 1435

Ion Ratio Lower Upper

74 100

45 165.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

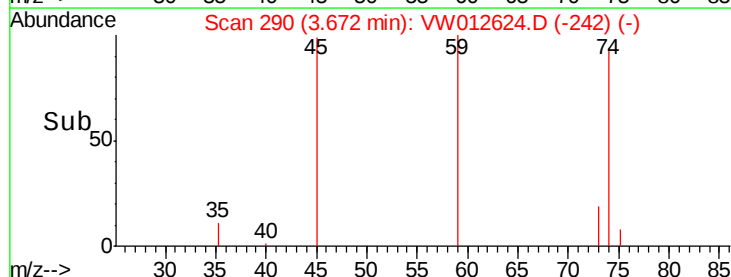
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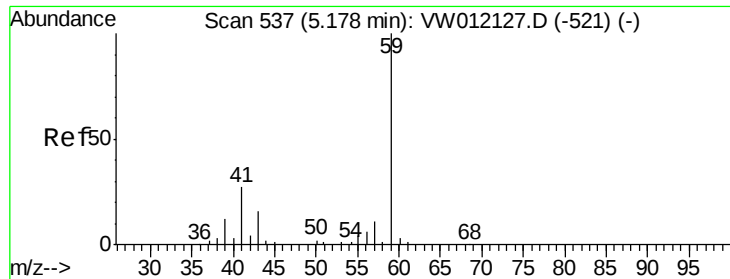
400

200

0

Time--> 3.60 3.65 3.70 3.75

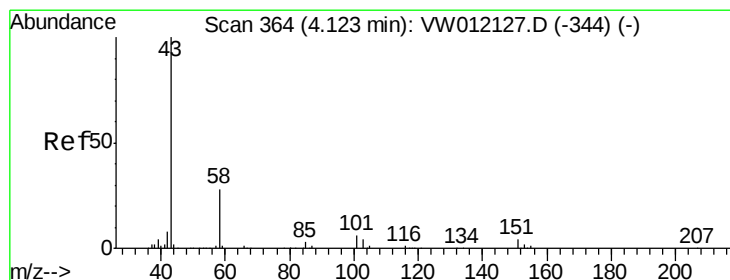
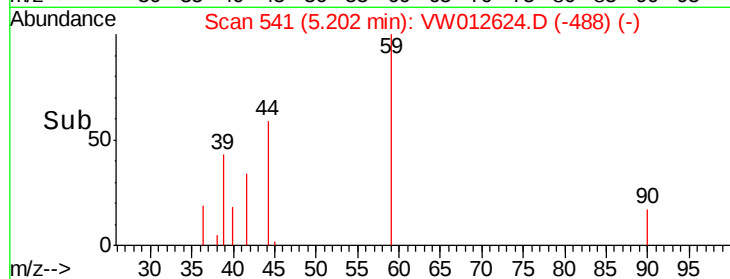
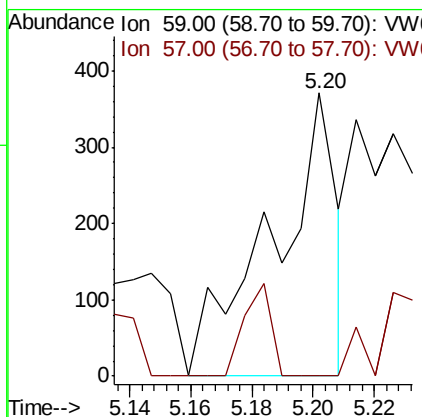
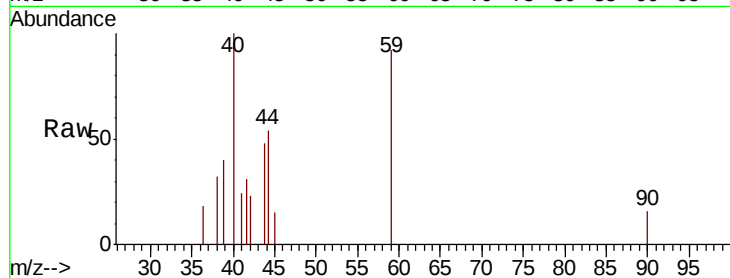




#11
Tert butyl alcohol
Concen: 2.961 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

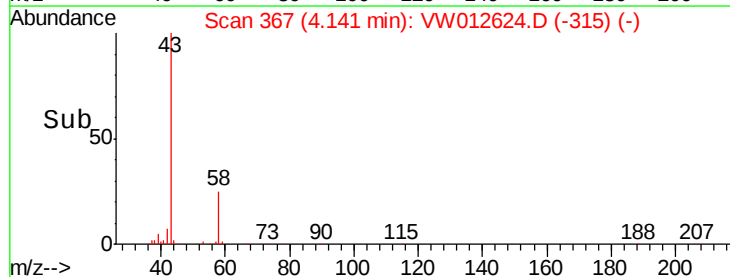
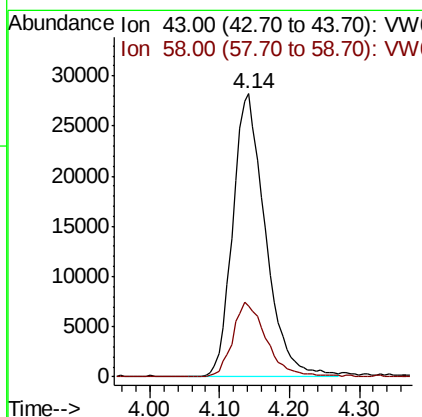
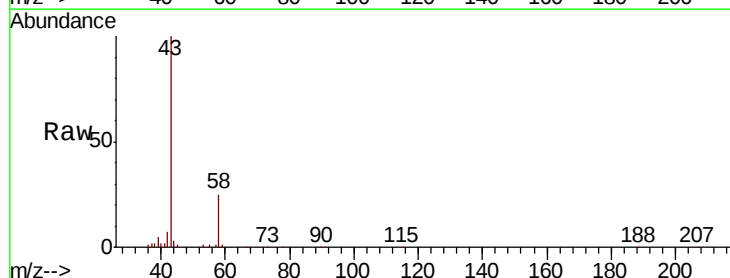
Instrument :
MSVOA_W
ClientSampled :
T12-1-(2.5)

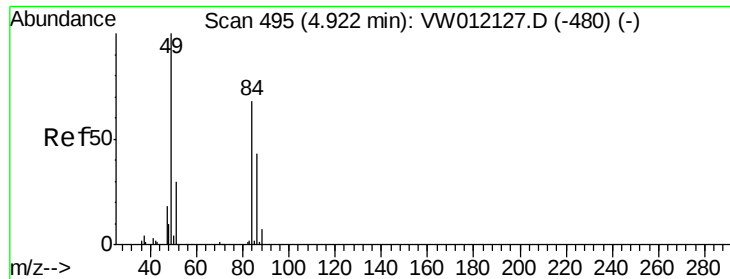
Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 13.5 9.0 13.4#



#16
Acetone
Concen: 118.694 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion: 43 Resp: 91786
Ion Ratio Lower Upper
43 100
58 25.2 22.4 33.6

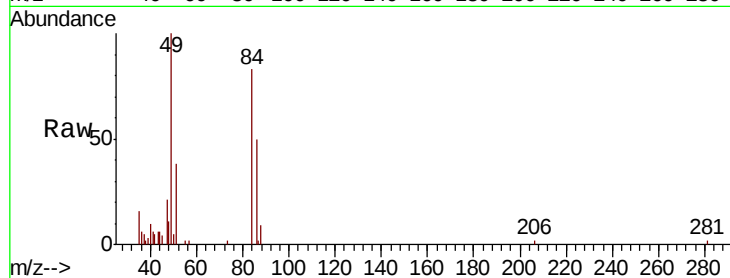




#20
Methylene Chloride
Concen: 3.177 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

Tgt Ion:	84	Resp:	9289
Ion	Ratio	Lower	Upper
84	100		
49	120.3	117.8	176.8
51	46.2	35.6	53.4
86	60.4	51.2	76.8



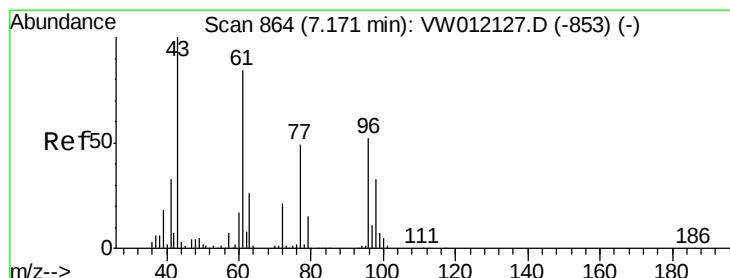
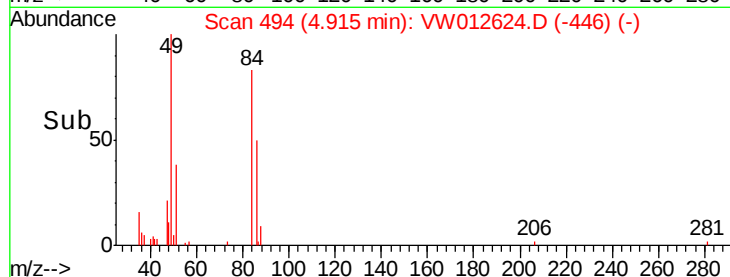
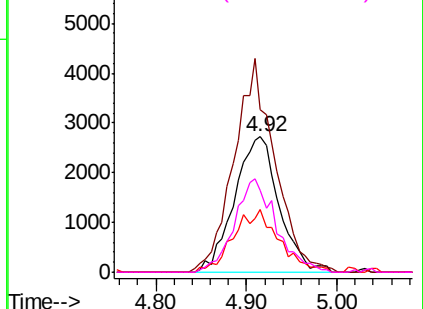
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

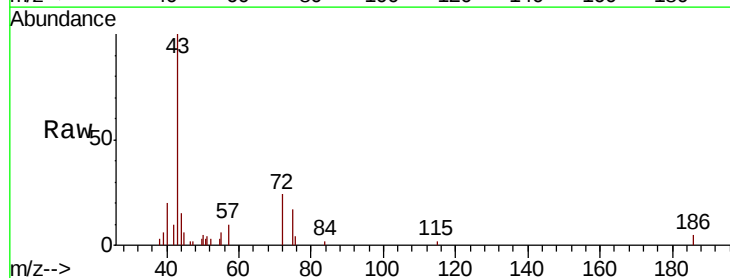
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 7.132 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

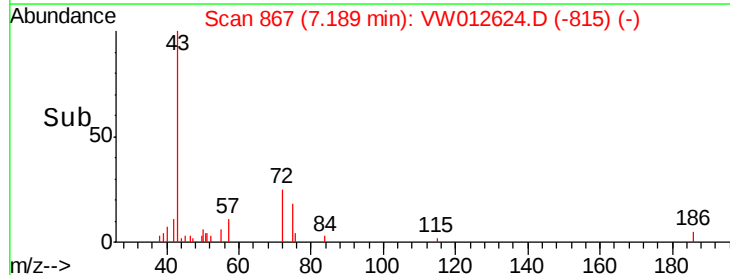
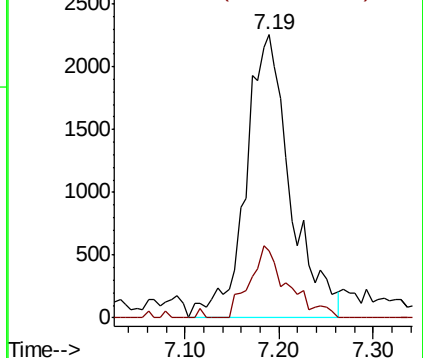
Tgt Ion:	43	Resp:	7495
Ion	Ratio	Lower	Upper
43	100		
72	23.6	16.6	24.8

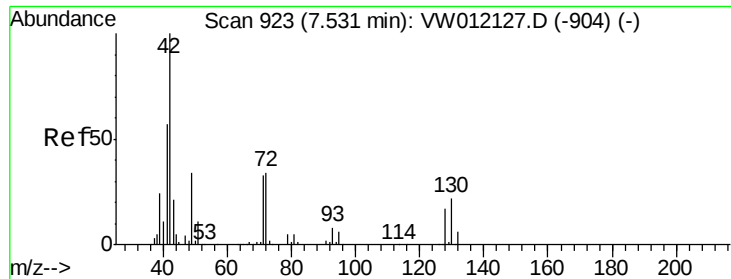


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

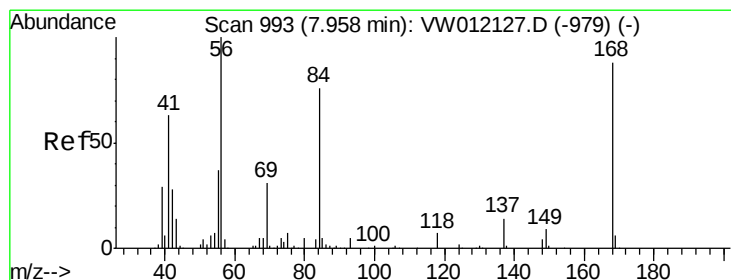
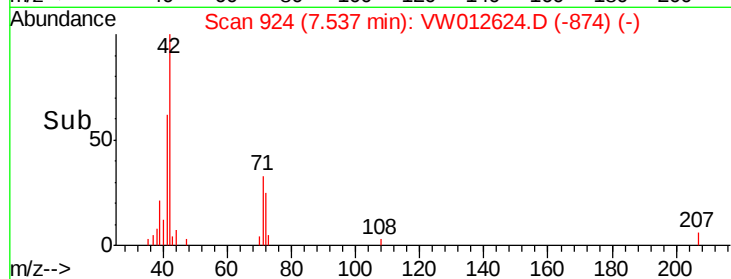
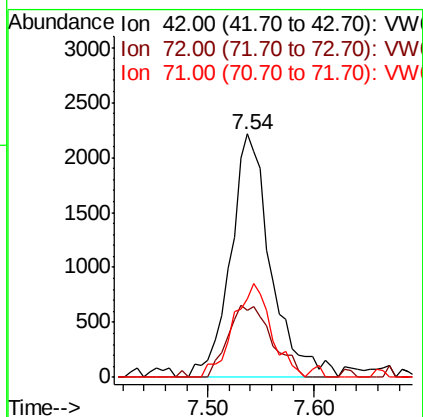
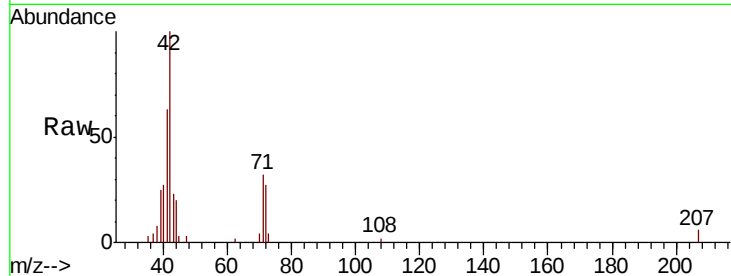




#29
Tetrahydrofuran
Concen: 9.298 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

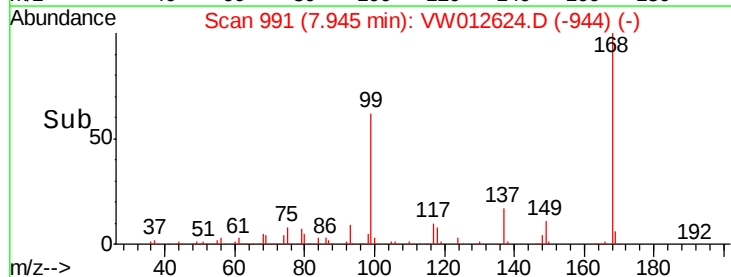
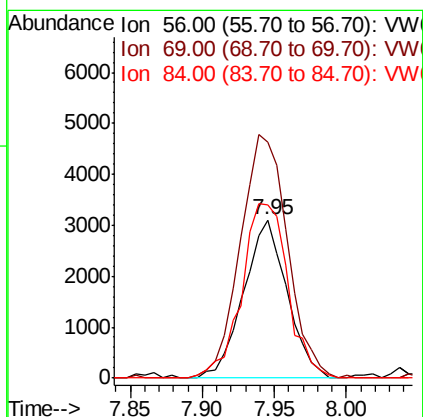
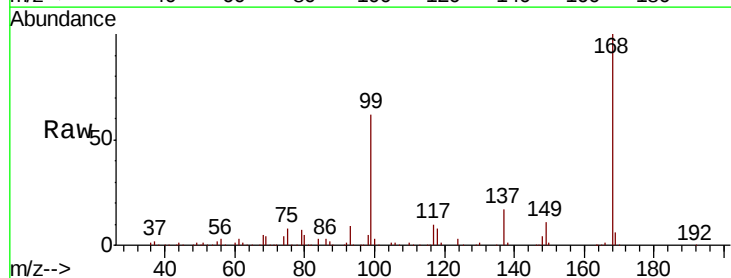
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

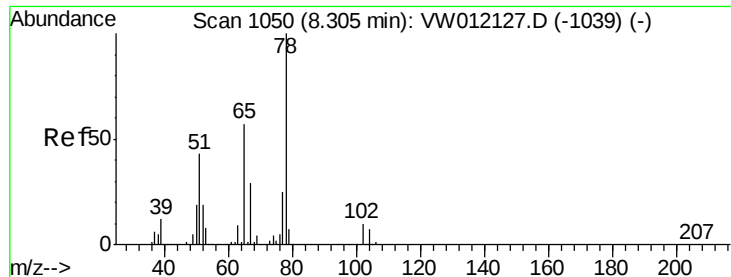
Tgt Ion: 42 Resp: 5862
Ion Ratio Lower Upper
42 100
72 32.4 27.3 40.9
71 36.2 25.5 38.3



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion: 56 Resp: 6505
Ion Ratio Lower Upper
56 100
69 149.7 24.9 37.3#
84 109.7 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 54.245 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012624.D

Acq: 05 Sep 2019 07:25

Instrument :

MSVOA_W

ClientSampleId :

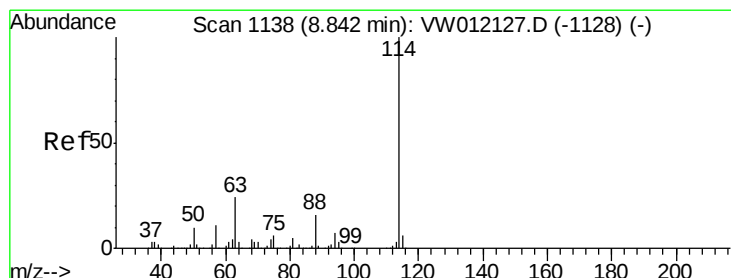
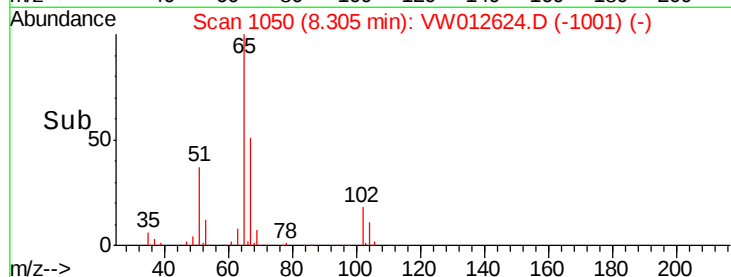
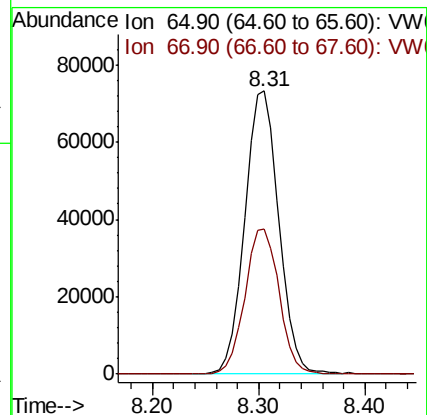
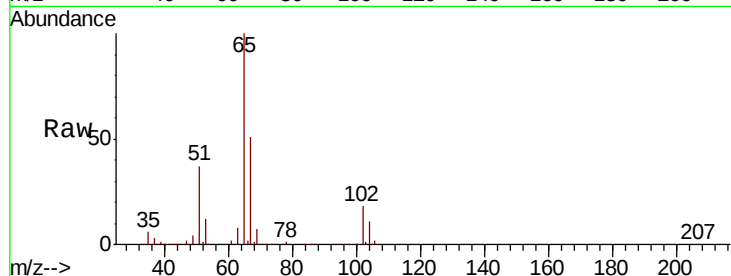
T12-1-(2.5)

Tgt Ion: 65 Resp: 164101

Ion Ratio Lower Upper

65 100

67 51.6 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: VW012624.D

Acq: 05 Sep 2019 07:25

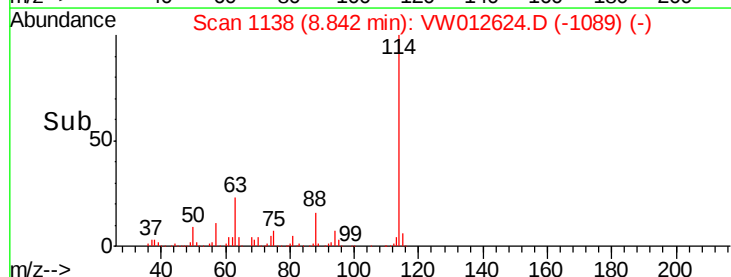
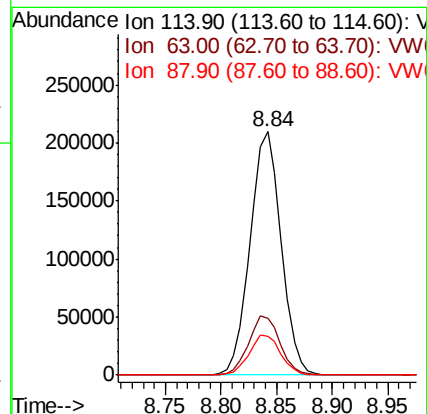
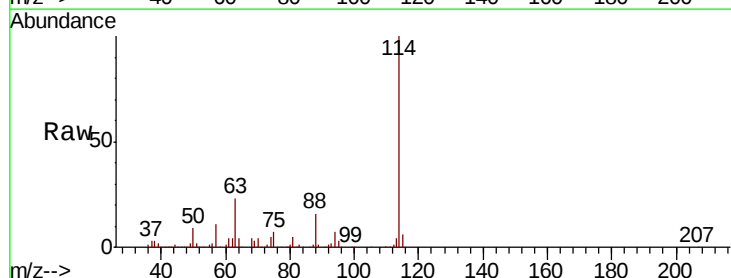
Tgt Ion: 114 Resp: 407440

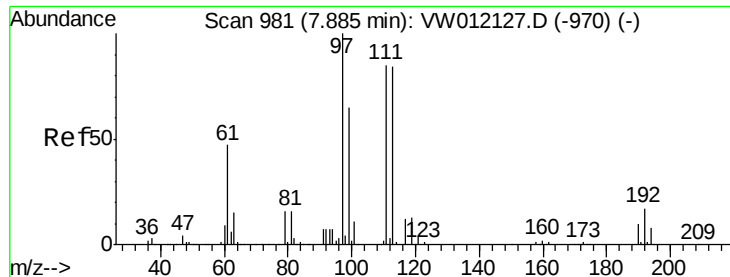
Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.6

88 16.2 0.0 32.2

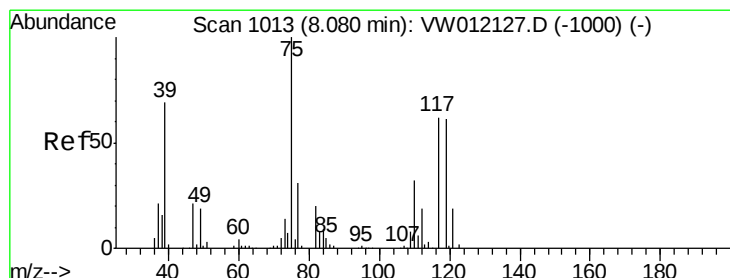
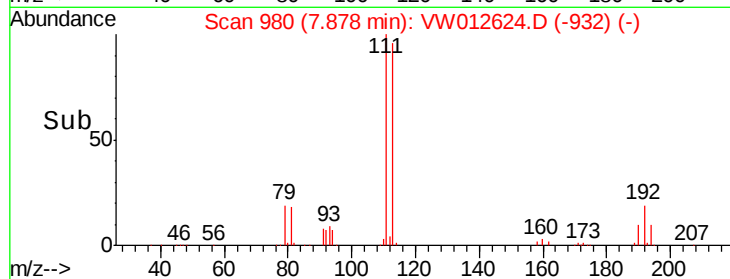
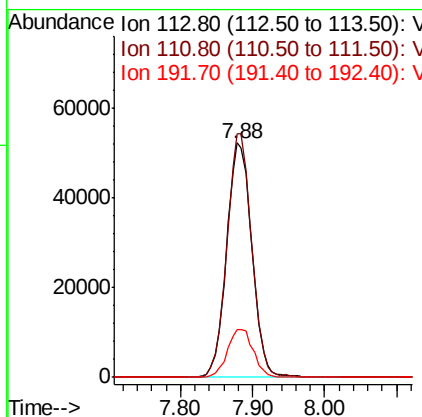
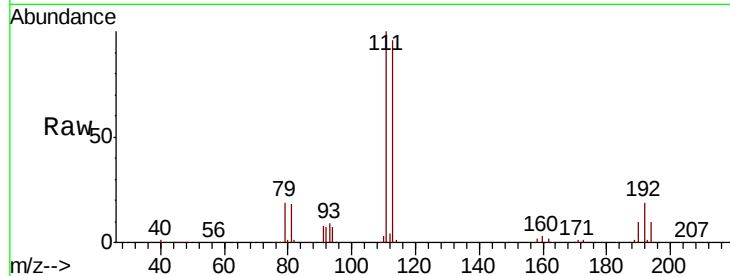




#35
 Dibromofluoromethane
 Concen: 52.437 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012624.D
 Acq: 05 Sep 2019 07:25

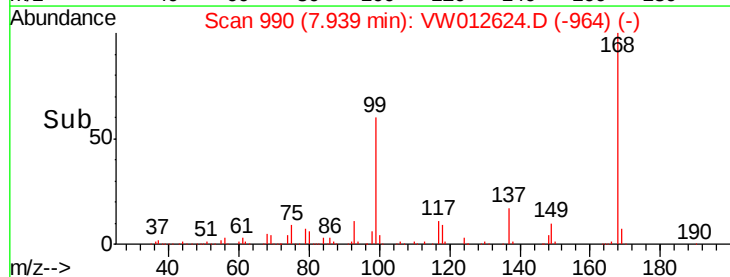
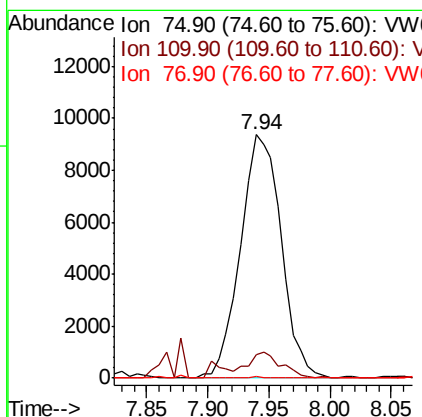
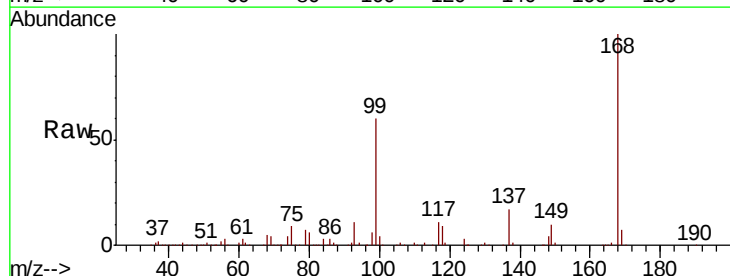
Instrument :
 MSVOA_W
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 T12-1-(2.5)

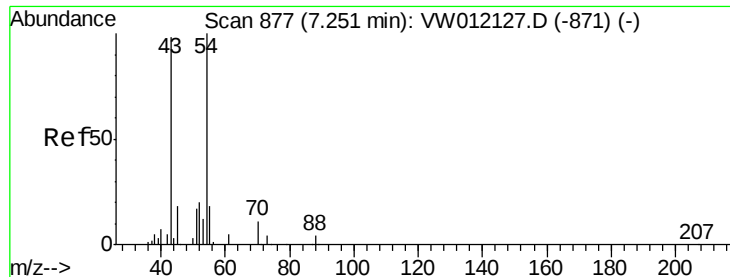
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.7	124.1
192	20.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.150 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012624.D
 Acq: 05 Sep 2019 07:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.1	24.6	36.8#

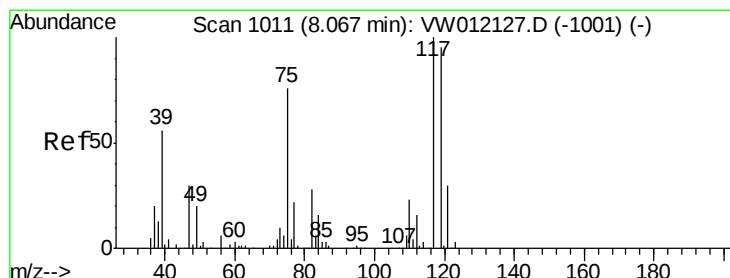
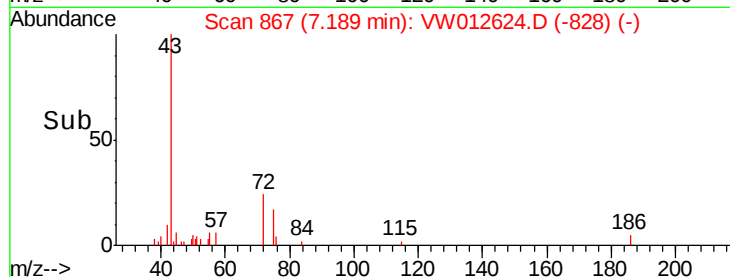
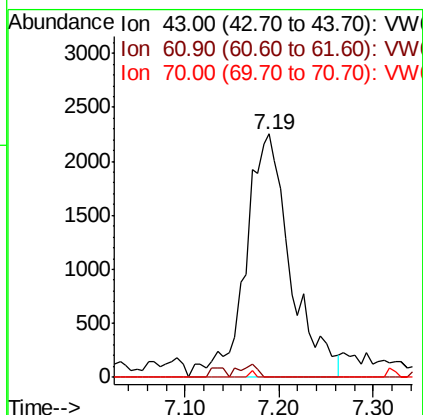
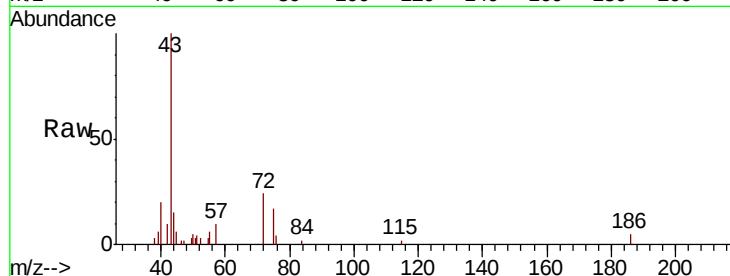




#37
Ethyl Acetate
Concen: 3.248 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

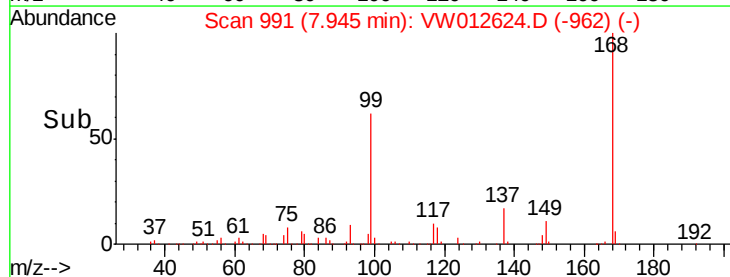
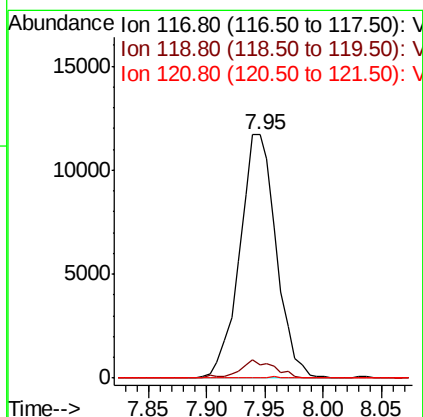
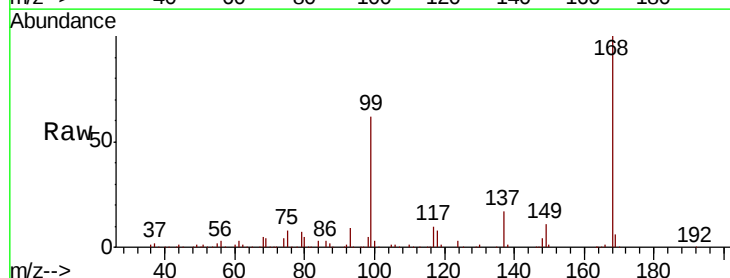
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

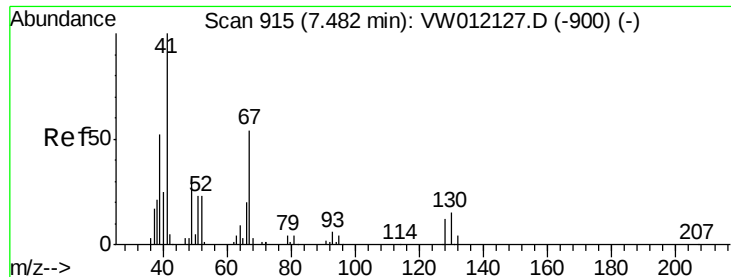
Tgt Ion: 43 Resp: 7495
Ion Ratio Lower Upper
43 100
61 2.1 9.2 13.8#
70 0.3 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 7.021 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion: 117 Resp: 25585
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 23.8 35.8#

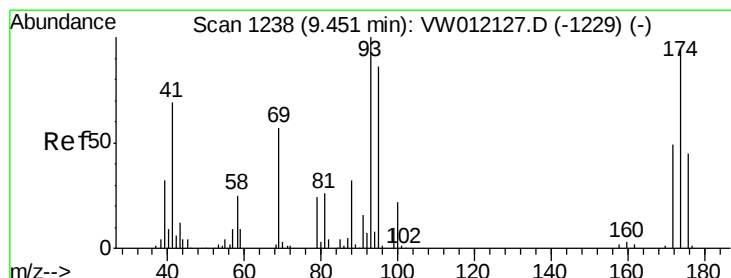
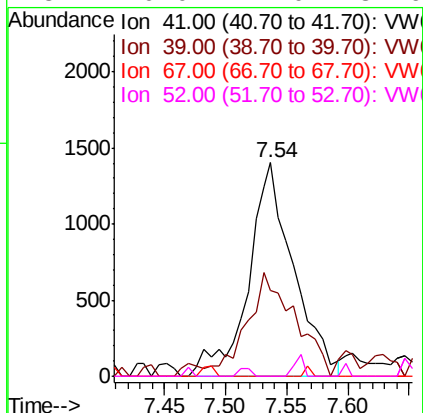
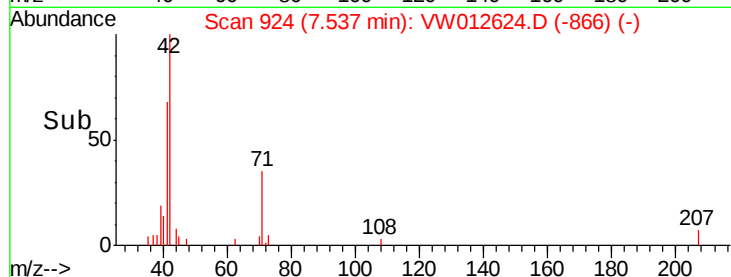
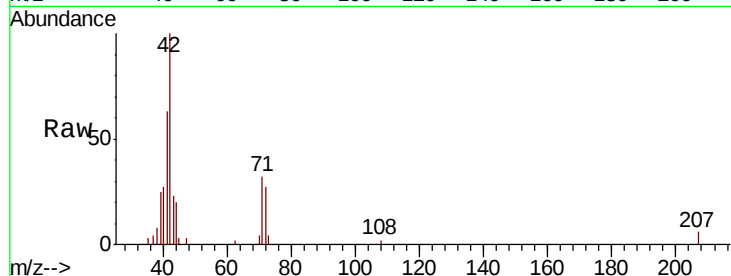




#41
Methacrylonitrile
Concen: 2.644 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

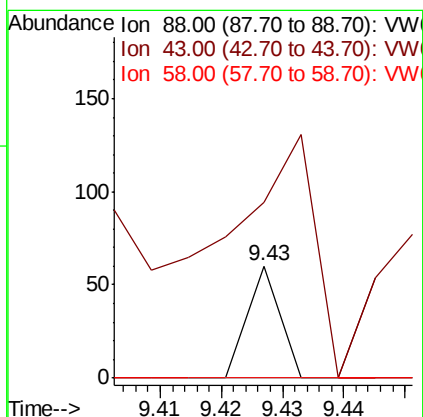
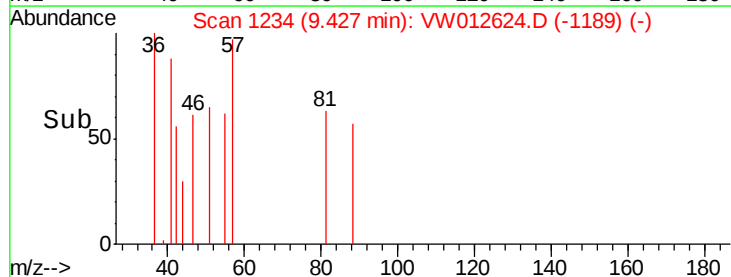
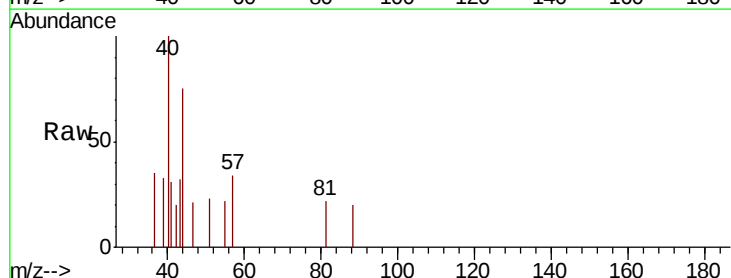
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

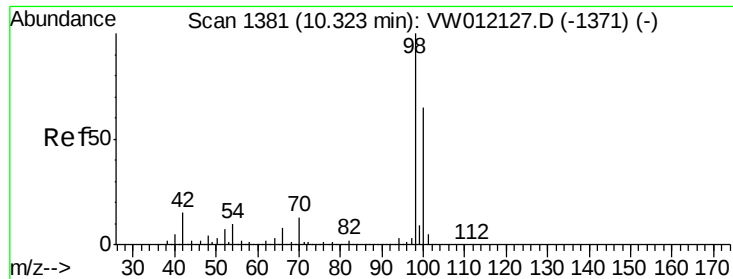
Tgt Ion: 41 Resp: 3585
Ion Ratio Lower Upper
41 100
39 52.1 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 1.044 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 500.0 32.9 49.3#
58 0.0 71.0 106.4#

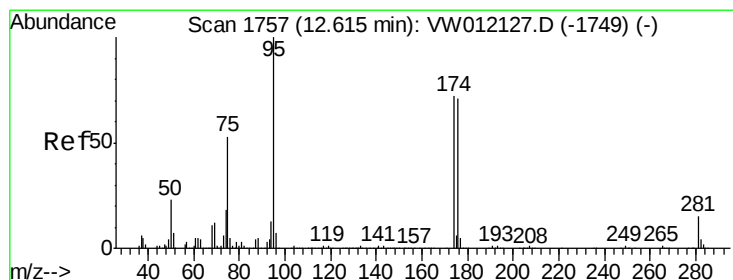
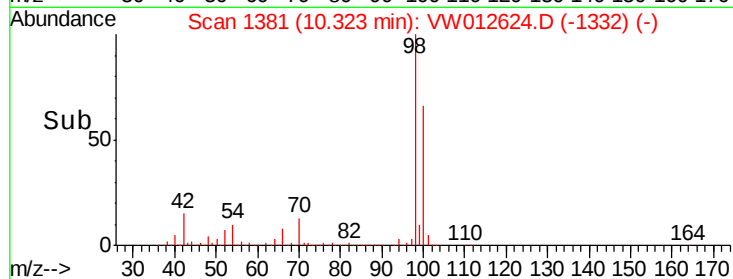
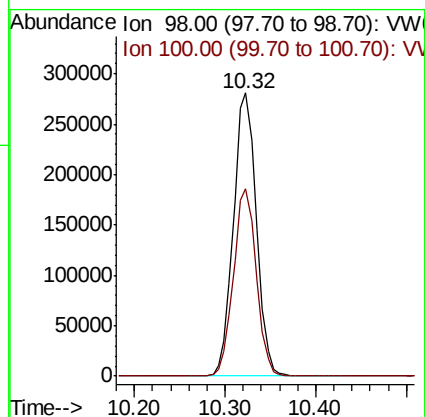
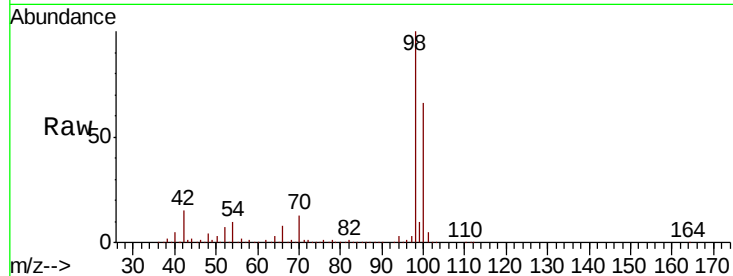




#50
Toluene-d8
Concen: 49.990 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

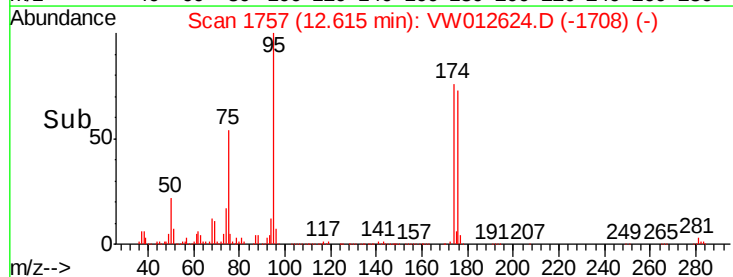
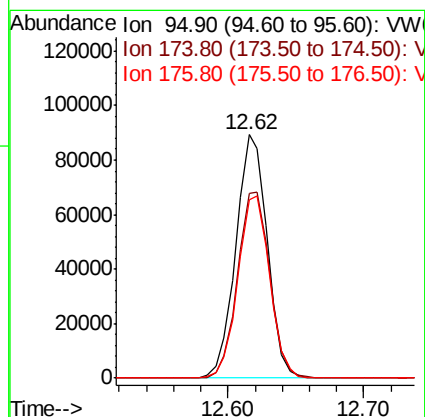
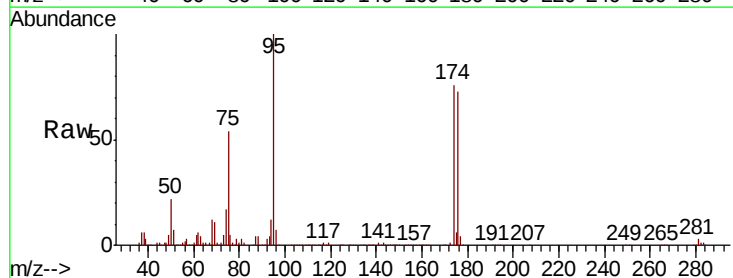
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

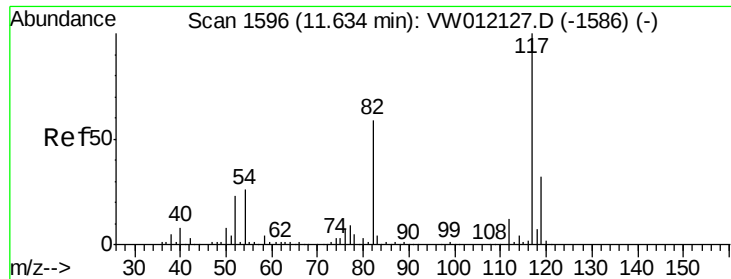
Tgt Ion: 98 Resp: 492960
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 41.027 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion: 95 Resp: 142612
Ion Ratio Lower Upper
95 100
174 79.1 0.0 150.8
176 76.2 0.0 148.6

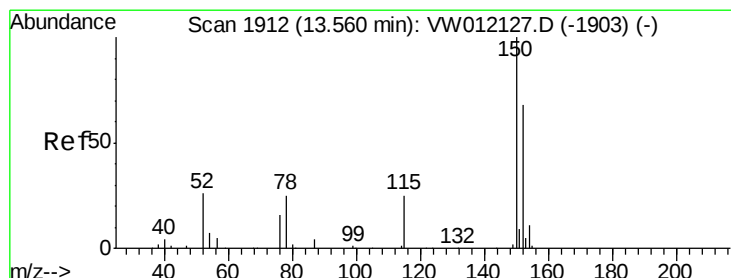
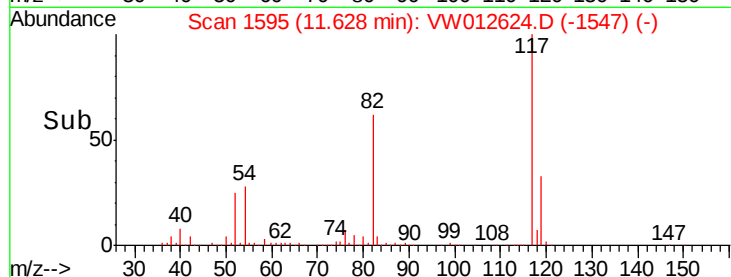
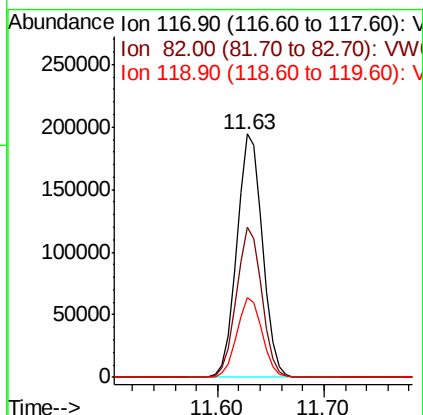
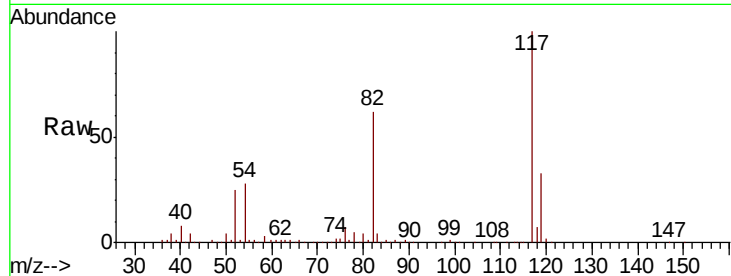




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

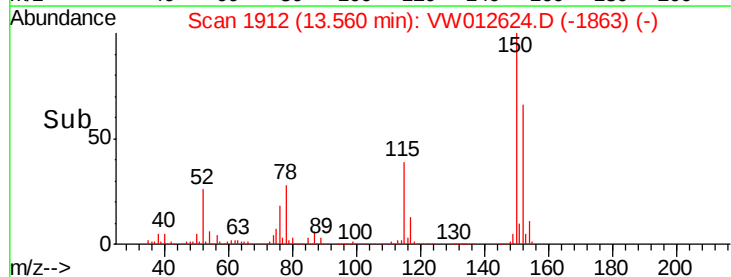
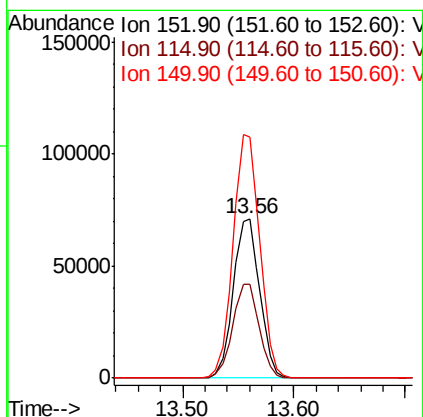
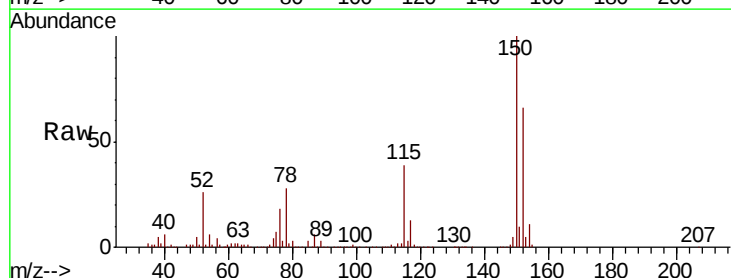
Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

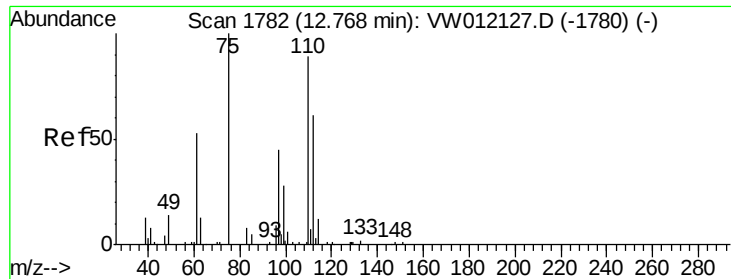
Tgt Ion:117 Resp: 328229
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Tgt Ion:152 Resp: 116293
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 154.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 69.426 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012624.D

Acq: 05 Sep 2019 07:25

Instrument :

MSVOA_W

ClientSampleId :

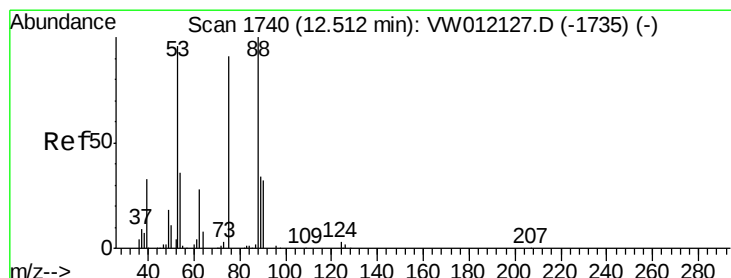
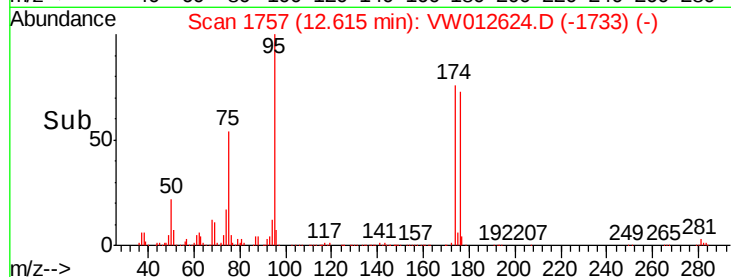
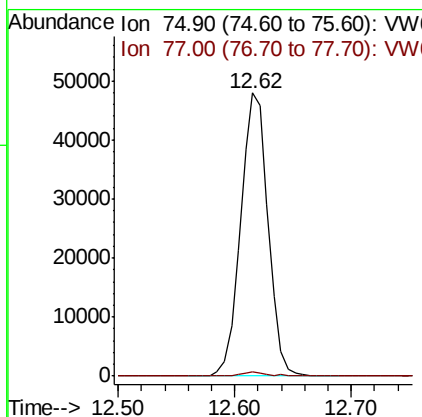
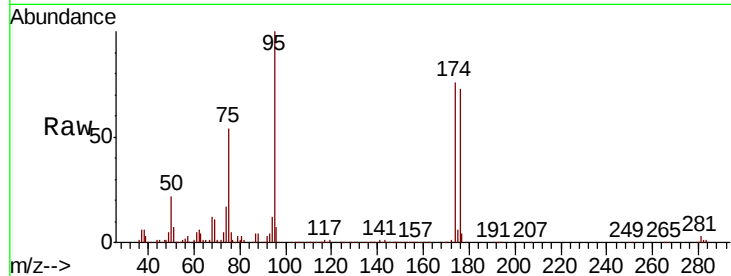
T12-1-(2.5)

Tgt Ion: 75 Resp: 78633

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.220 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012624.D

Acq: 05 Sep 2019 07:25

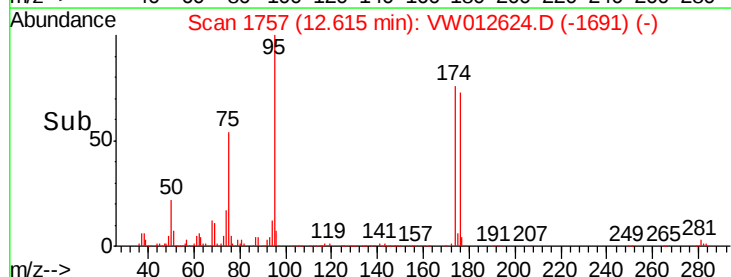
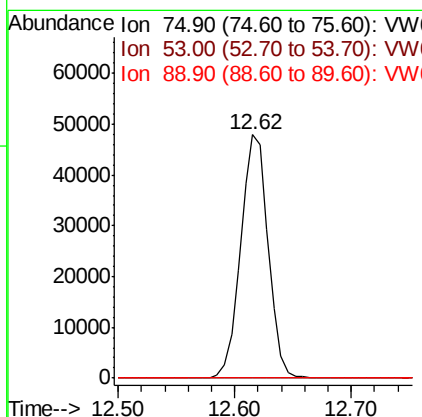
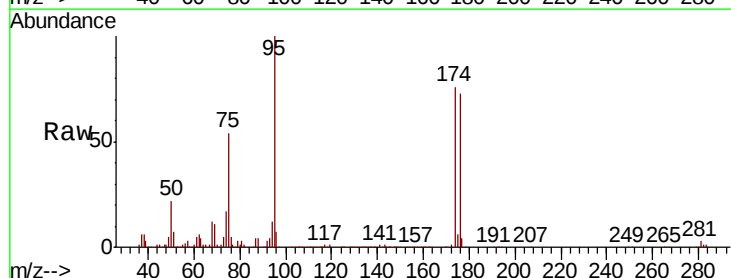
Tgt Ion: 75 Resp: 78633

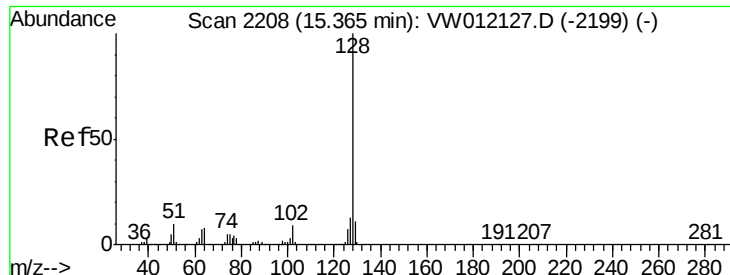
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.433 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012624.D
Acq: 05 Sep 2019 07:25

Instrument :
MSVOA_W
ClientSampleId :
T12-1-(2.5)

Tgt Ion:128 Resp: 539
Ion Ratio Lower Upper
128 100
127 18.6 10.7 16.1#
129 3.5 8.7 13.1#

