

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012573.D
 Acq On : 04 Sep 2019 03:58
 Operator : SY/VA
 Sample : K4525-07
 Misc : 3.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A2-(1.9)

Quant Time: Sep 04 06:53:41 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	270528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	178458	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	7.88	113	136250	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.32	98	539022	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.62	95	158200	42.26	ug/l	0.00
Spiked Amount			Recovery	=	84.52%	

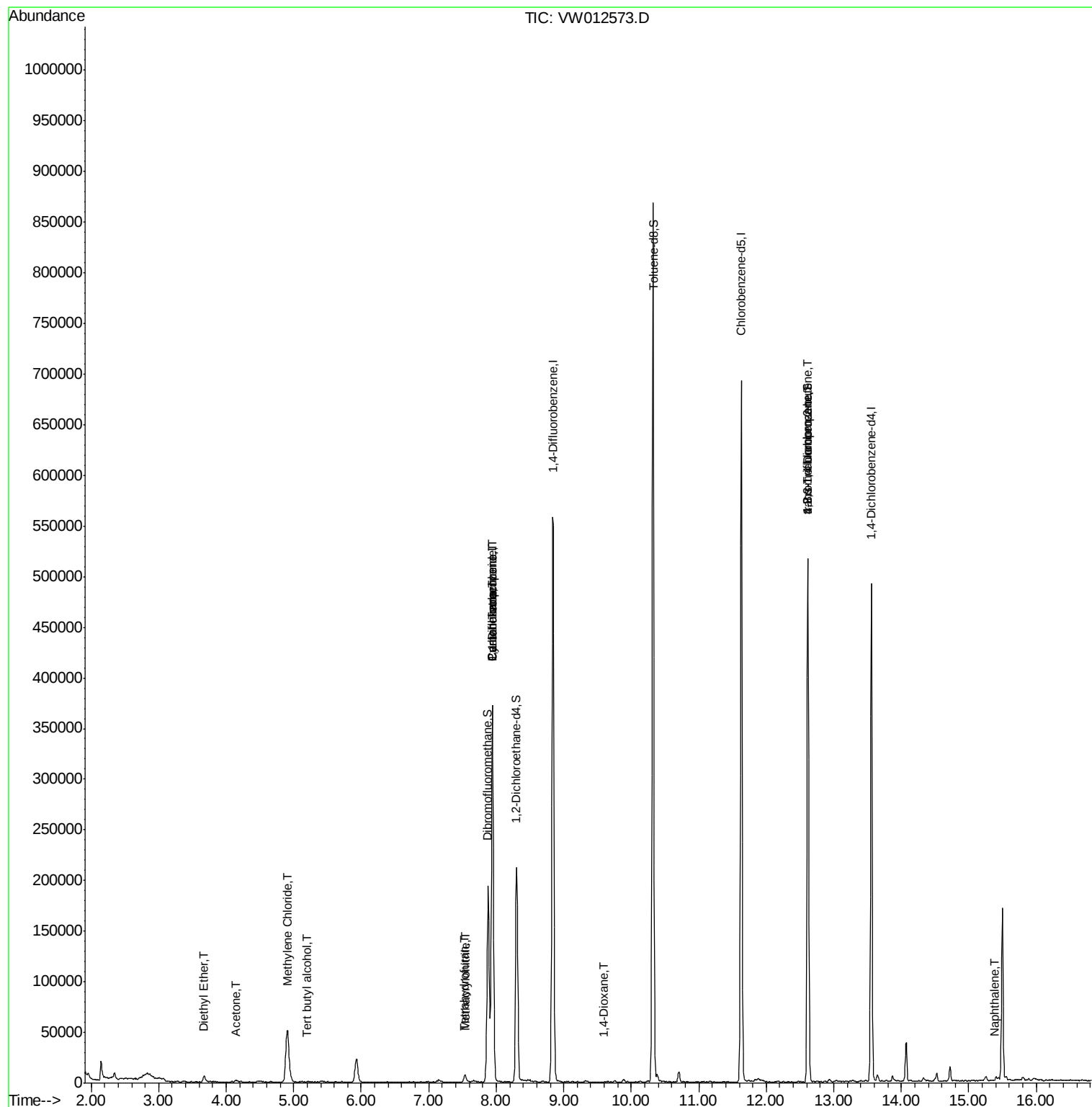
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2849	1.892	ug/l	92
11) Tert butyl alcohol	5.19	59	282	1.457	ug/l #	76
16) Acetone	4.14	43	3919	4.767	ug/l #	82
20) Methylene Chloride	4.91	84	38343	12.338	ug/l	97
29) Tetrahydrofuran	7.54	42	6320	9.430	ug/l #	86
31) Cyclohexane	7.95	56	6877	1.187	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	23117	5.098	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27358	6.970	ug/l #	16
41) Methacrylonitrile	7.54	41	3624	2.481	ug/l #	54
49) 1,4-Dioxane	9.60	88	61	2.687	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	85312	70.823	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85312	155.283	ug/l #	6
95) Naphthalene	15.38	128	128	4.346	ug/l #	69

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

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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: VW012573.D

Acq: 04 Sep 2019 03:58

Instrument :

MSVOA_W

ClientSampleId :

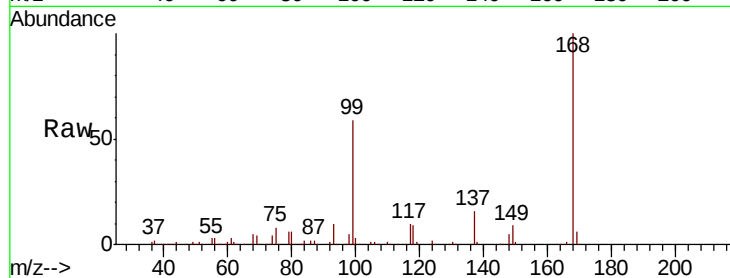
T9-12-13-A2-(1.9)

Tgt Ion:168 Resp: 270528

Ion Ratio Lower Upper

168 100

99 59.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

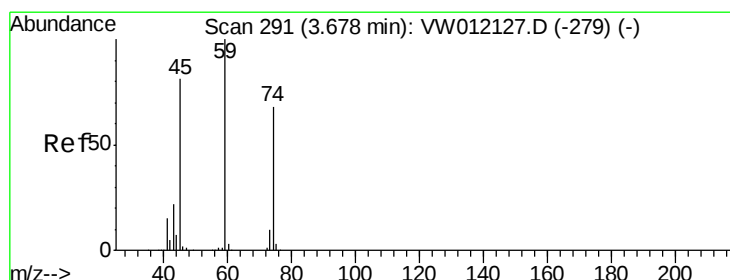
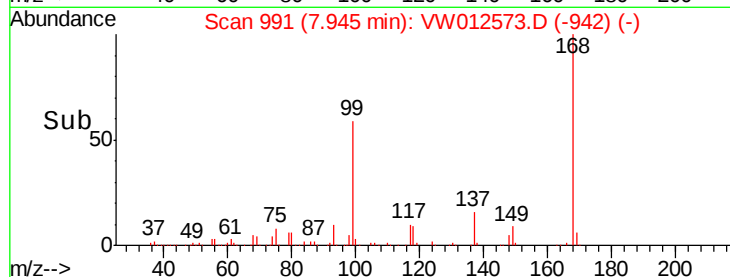
100000

50000

0

Time-->

7.90 8.00



#8

Diethyl Ether

Concen: 1.892 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012573.D

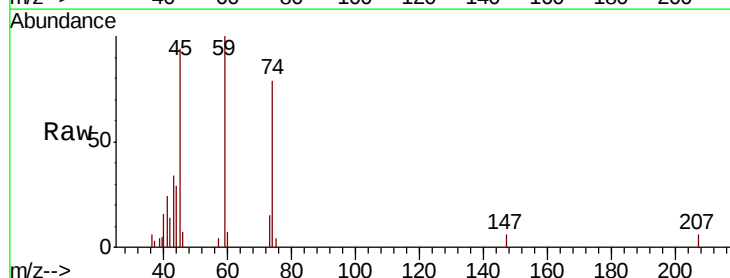
Acq: 04 Sep 2019 03:58

Tgt Ion: 74 Resp: 2849

Ion Ratio Lower Upper

74 100

45 127.6 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

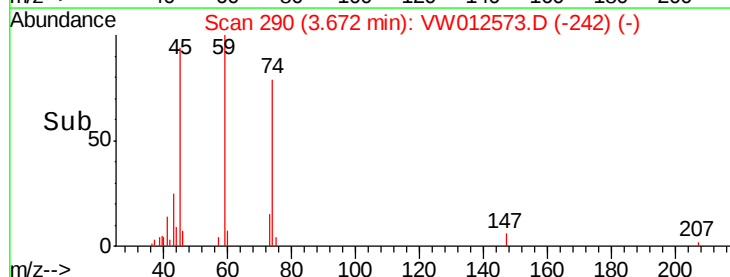
1000

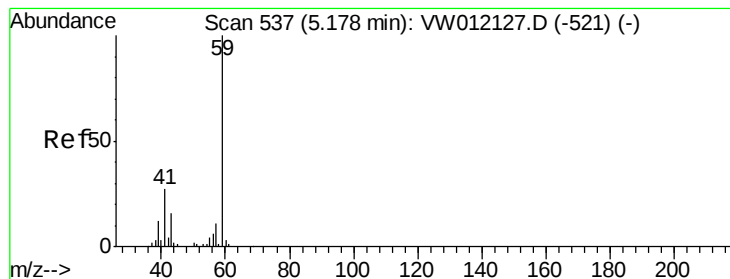
500

0

Time-->

3.60 3.65 3.70 3.75



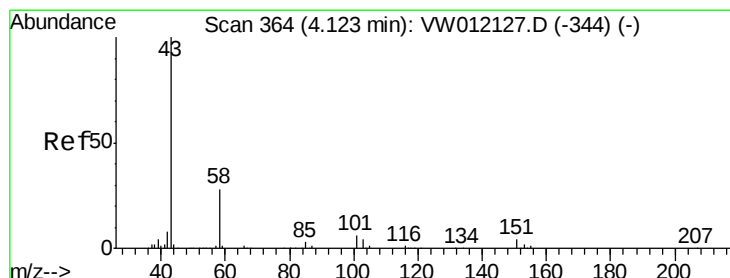
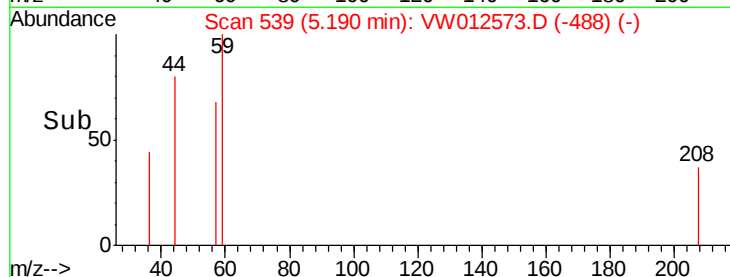
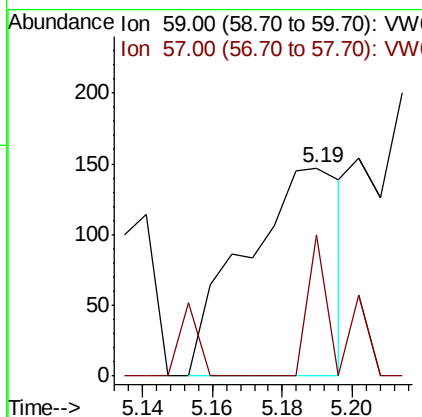
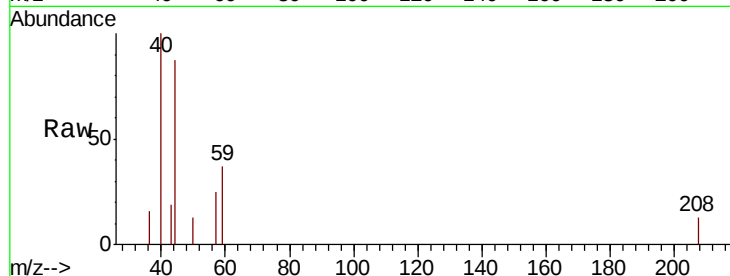


#11

Tert butyl alcohol
 Concen: 1.457 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A2-(1.9)

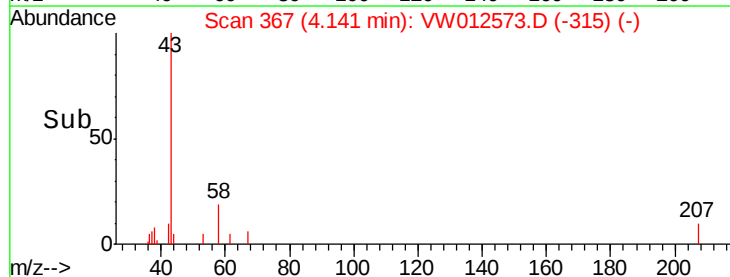
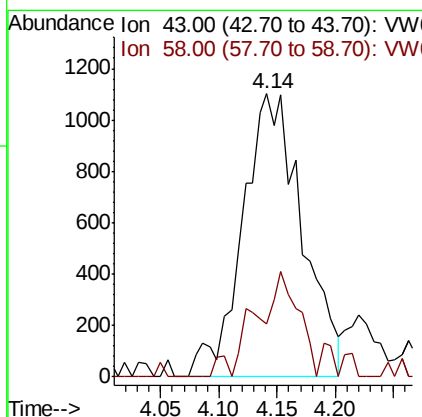
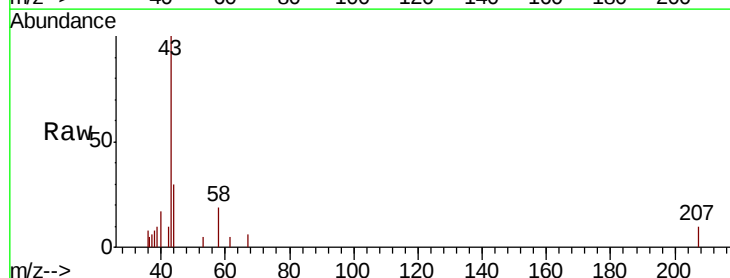
Tgt Ion: 59 Resp: 282
 Ion Ratio Lower Upper
 59 100
 57 20.2 9.0 13.4#

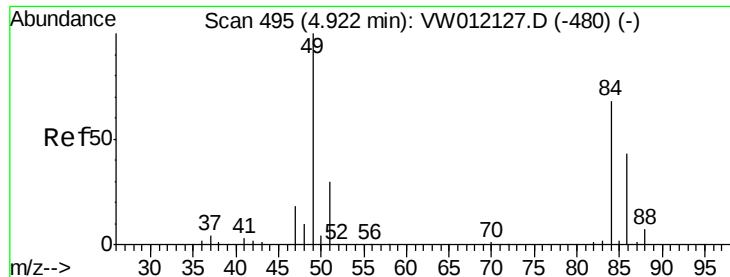


#16

Acetone
 Concen: 4.767 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

Tgt Ion: 43 Resp: 3919
 Ion Ratio Lower Upper
 43 100
 58 18.7 22.4 33.6#

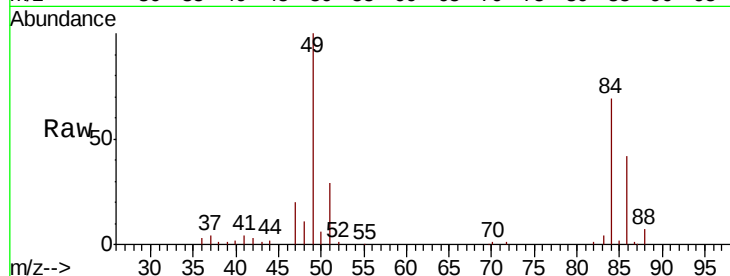




#20
Methylene Chloride
Concen: 12.338 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

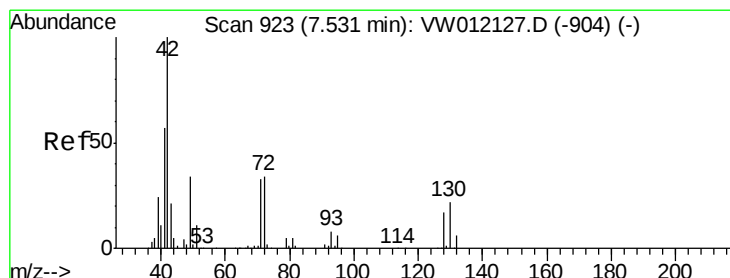
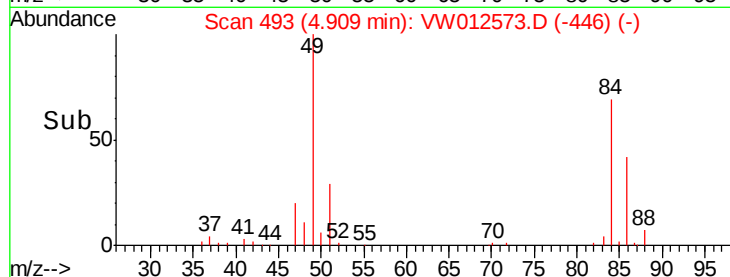
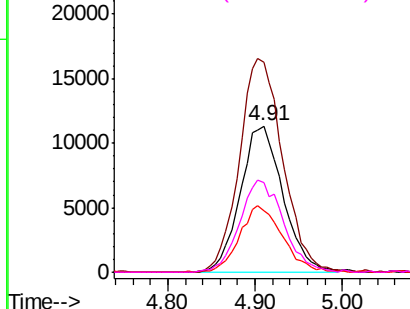
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(1.9)

Tgt Ion: 84 Resp: 38343
Ion Ratio Lower Upper
84 100
49 143.9 117.8 176.8
51 41.6 35.6 53.4
86 61.1 51.2 76.8



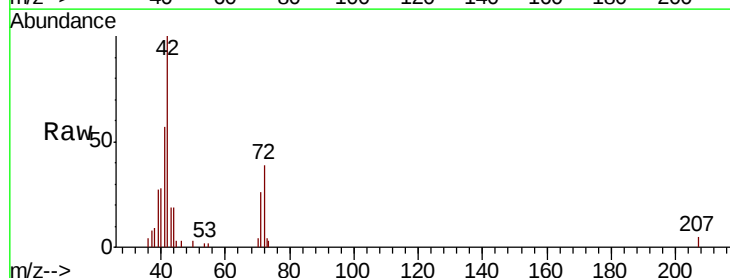
Abundance

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



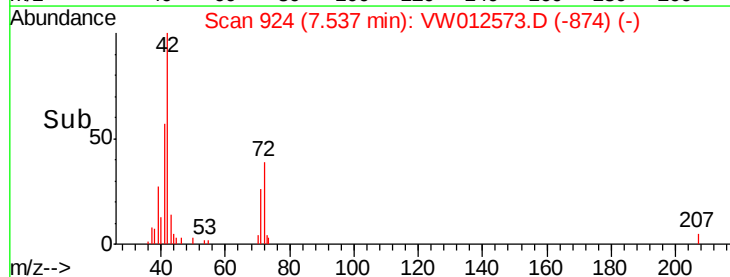
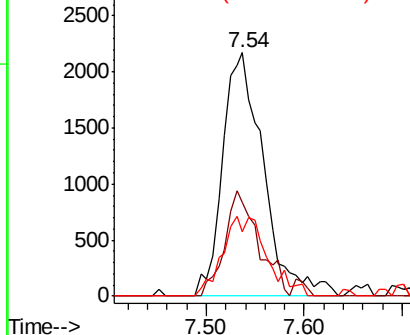
#29
Tetrahydrofuran
Concen: 9.430 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

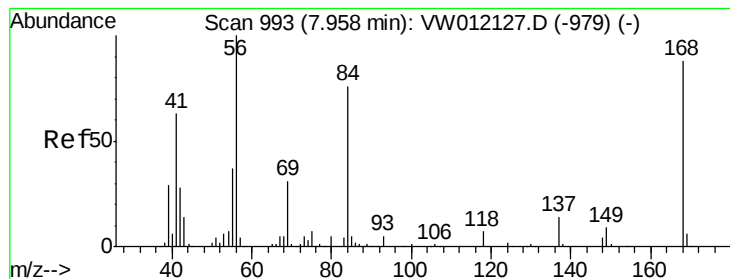
Tgt Ion: 42 Resp: 6320
Ion Ratio Lower Upper
42 100
72 35.7 27.3 40.9
71 17.3 25.5 38.3#



Abundance

Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012573.D

Acq: 04 Sep 2019 03:58

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A2-(1.9)

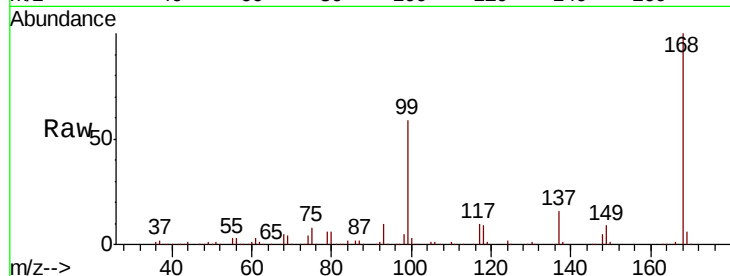
Tgt Ion: 56 Resp: 6877

Ion Ratio Lower Upper

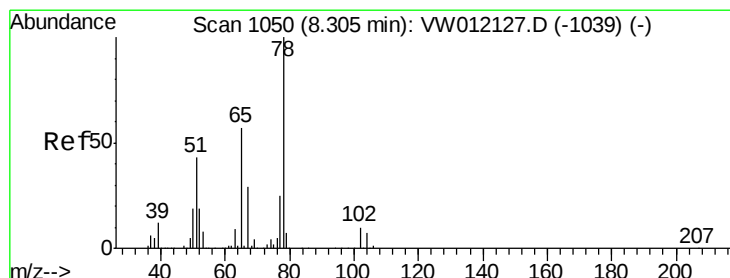
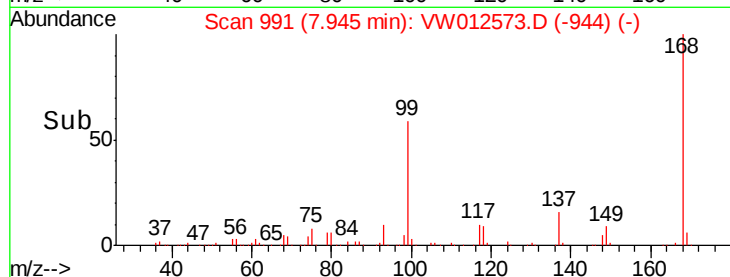
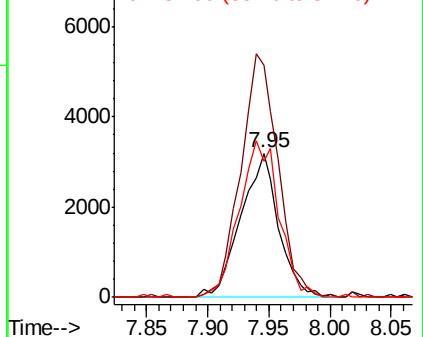
56 100

69 161.3 24.9 37.3#

84 94.6 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: 55.492 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012573.D

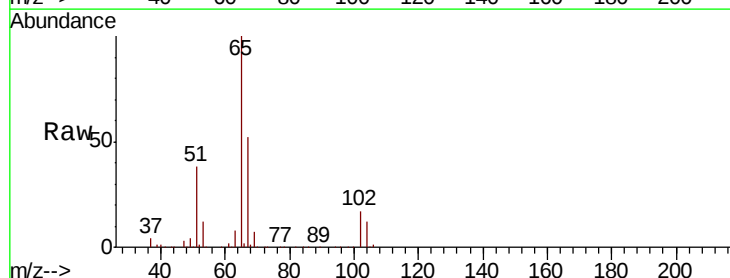
Acq: 04 Sep 2019 03:58

Tgt Ion: 65 Resp: 178458

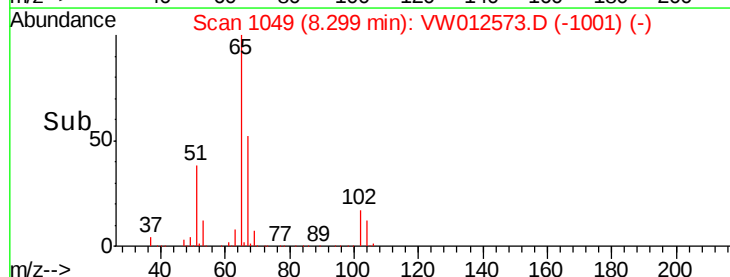
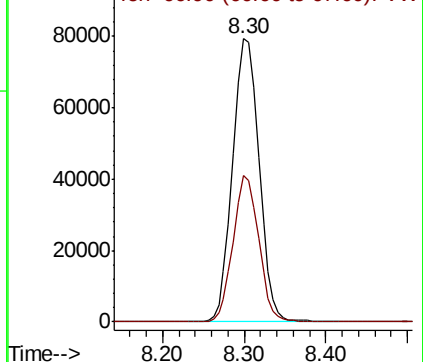
Ion Ratio Lower Upper

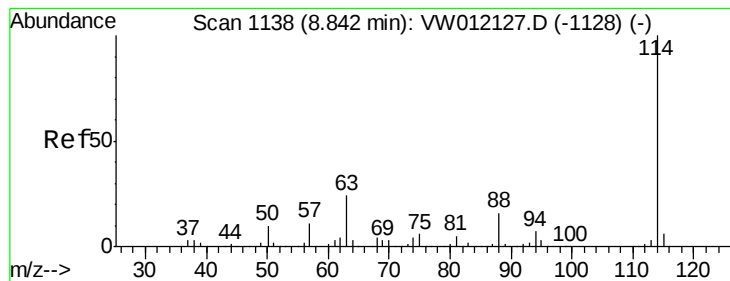
65 100

67 49.8 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# 1137

Delta R.T. -0.01 min

Lab File: VW012573.D

Acq: 04 Sep 2019 03:58

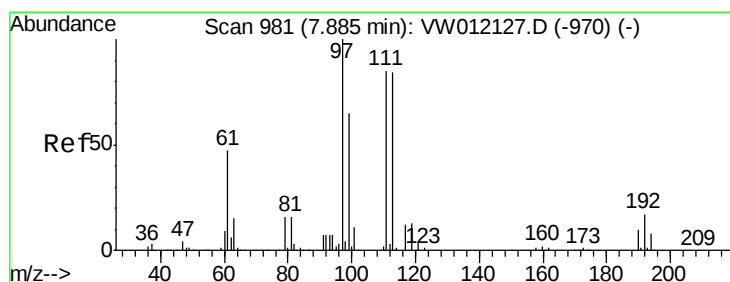
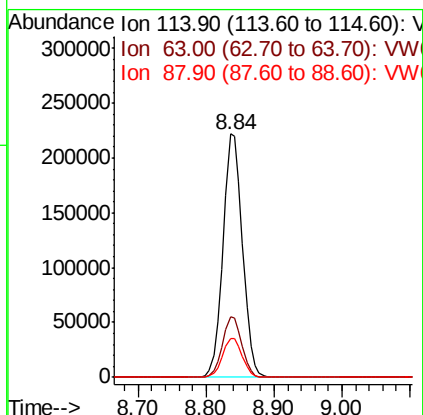
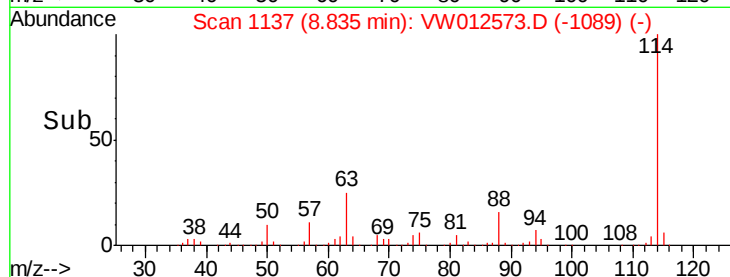
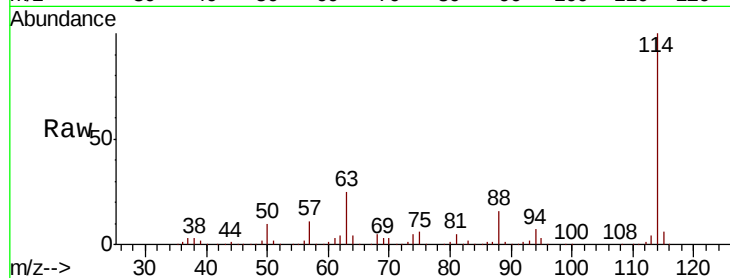
Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A2-(1.9)

Tgt Ion:	114	Resp:	438825
Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	48.6
88	16.1	0.0	32.2



#35

Dibromofluoromethane

Concen: 52.016 ug/l

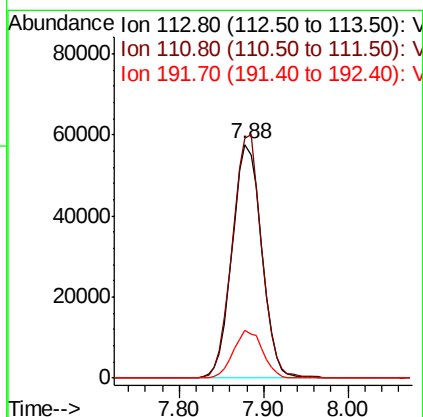
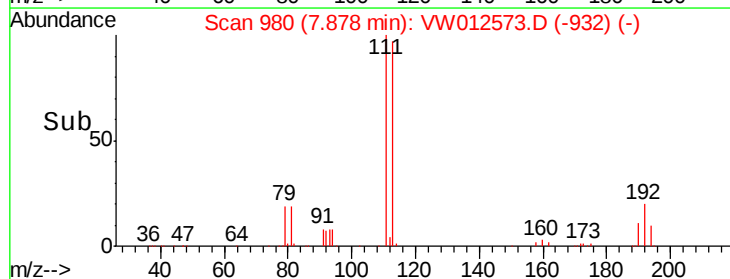
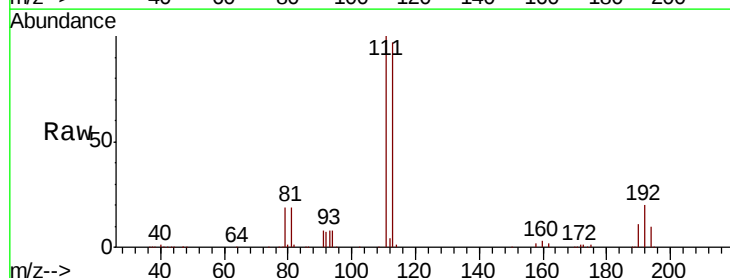
RT: 7.88 min Scan# 980

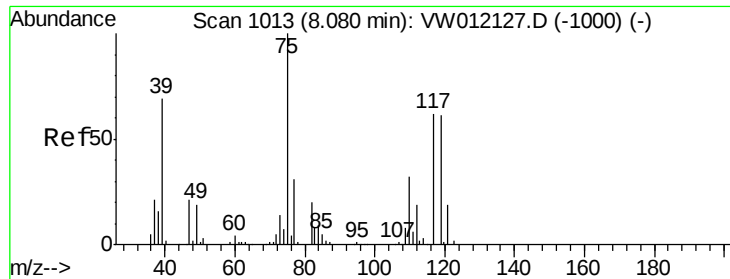
Delta R.T. -0.01 min

Lab File: VW012573.D

Acq: 04 Sep 2019 03:58

Tgt Ion:	113	Resp:	136250
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.1	16.2	24.2

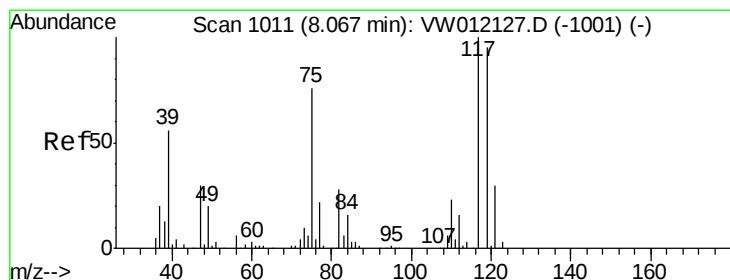
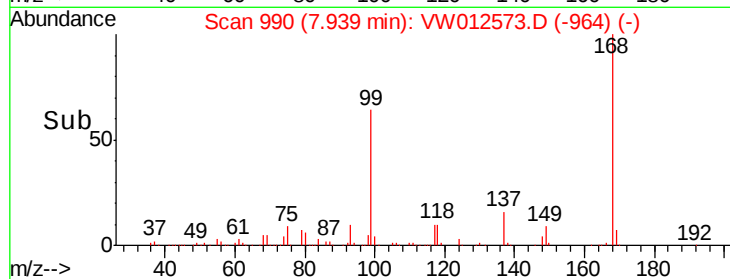
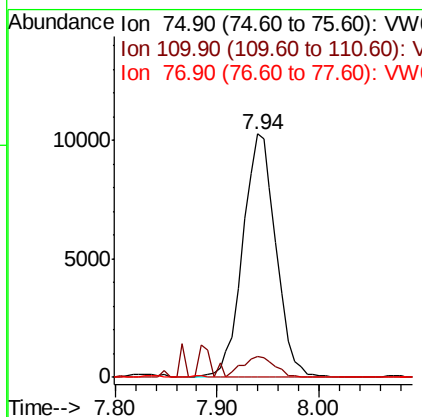
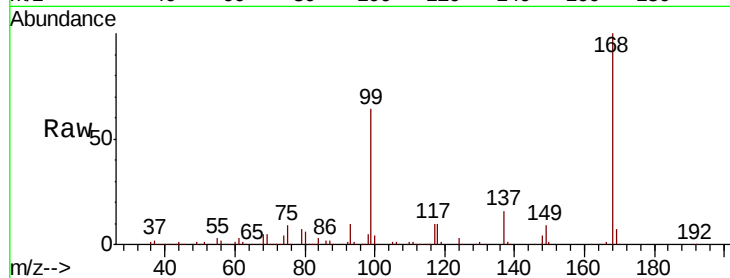




#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

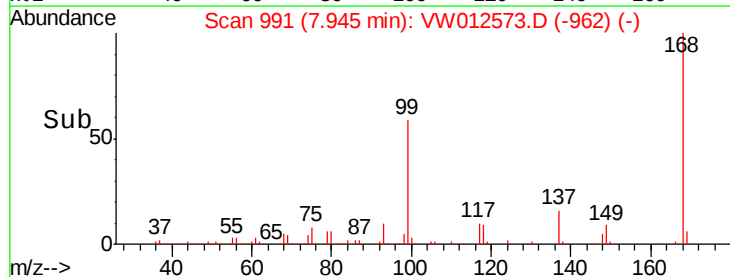
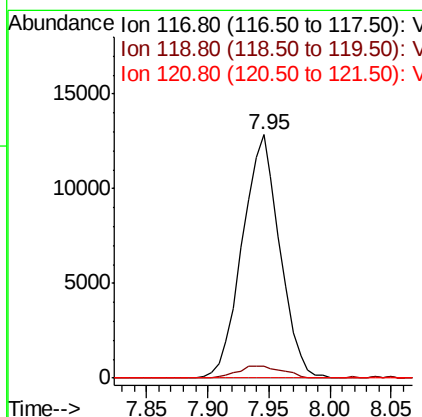
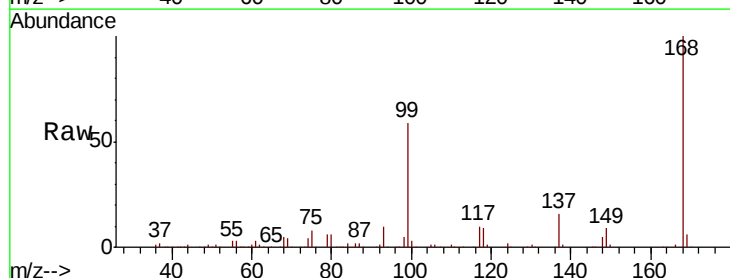
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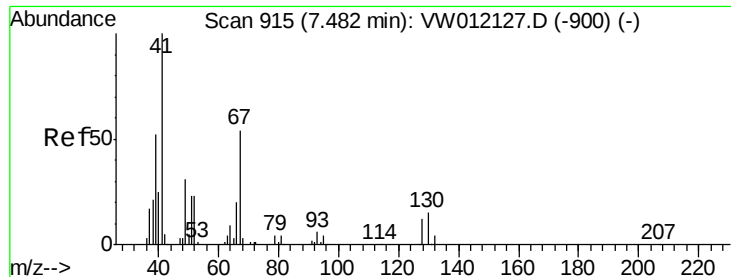
Tgt Ion: 75 Resp: 23117
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.970 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

Tgt Ion: 117 Resp: 27358
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 23.8 35.8#

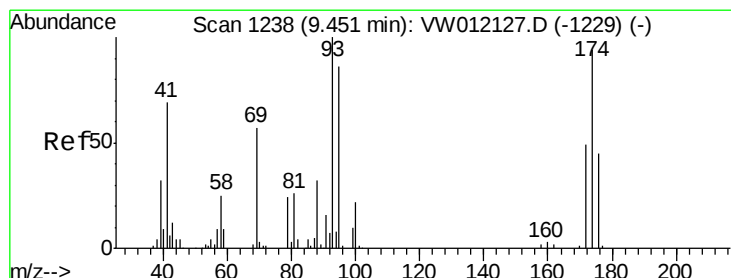
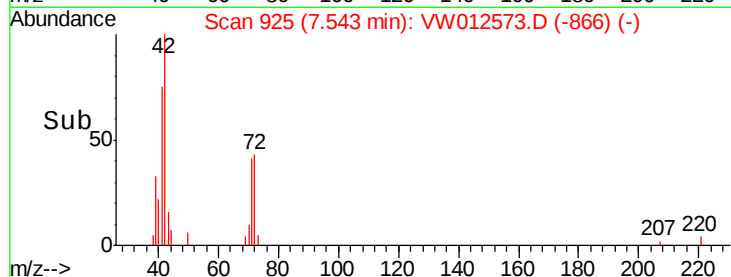
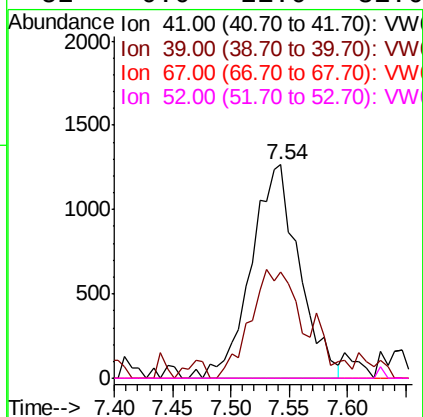
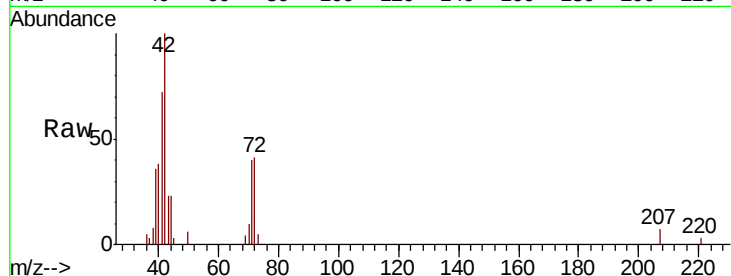




#41
Methacrylonitrile
Concen: 2.481 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

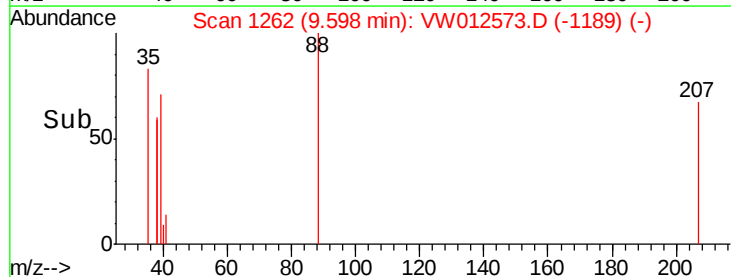
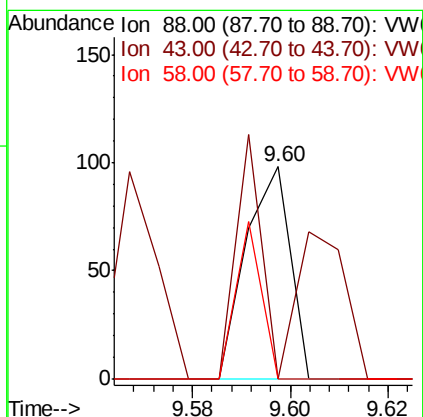
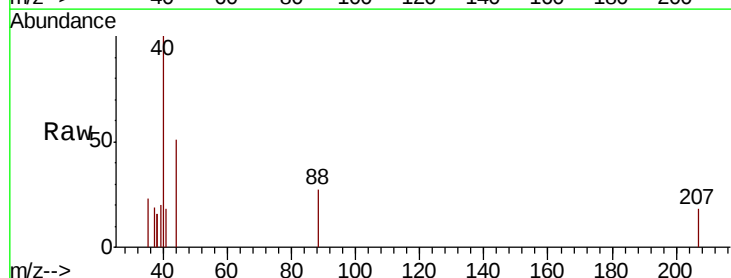
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(1.9)

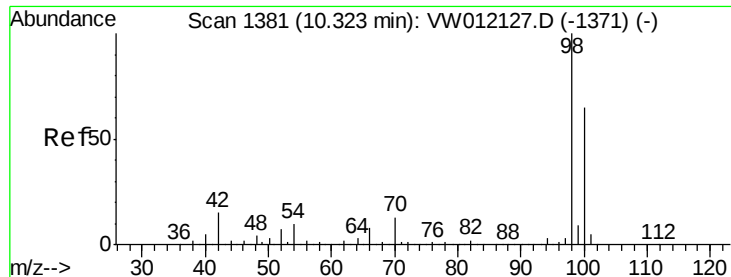
Tgt Ion:	41	Resp:	3624
Ion	Ratio	Lower	Upper
41	100		
39	49.5	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 2.687 ug/l
RT: 9.60 min Scan# 1262
Delta R.T. 0.15 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

Tgt Ion:	88	Resp:	61
Ion	Ratio	Lower	Upper
88	100		
43	67.2	32.9	49.3#
58	44.3	71.0	106.4#

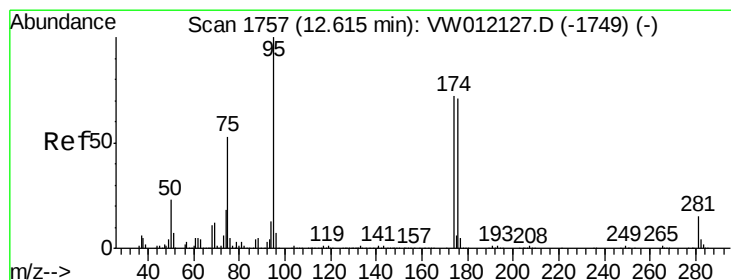
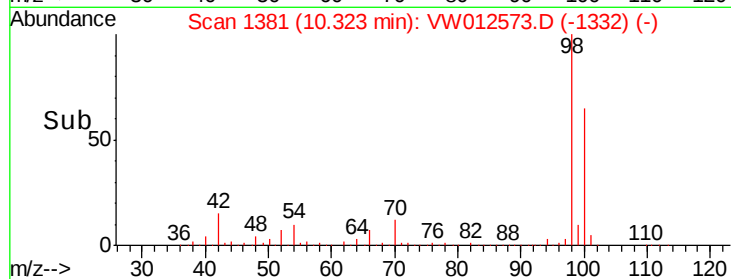
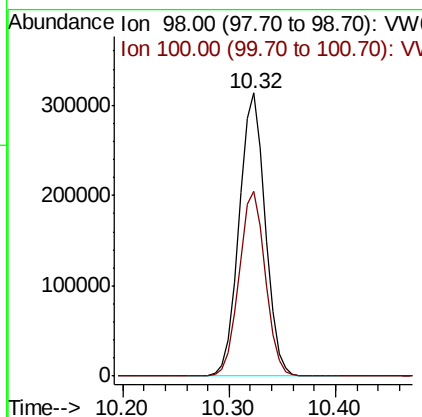
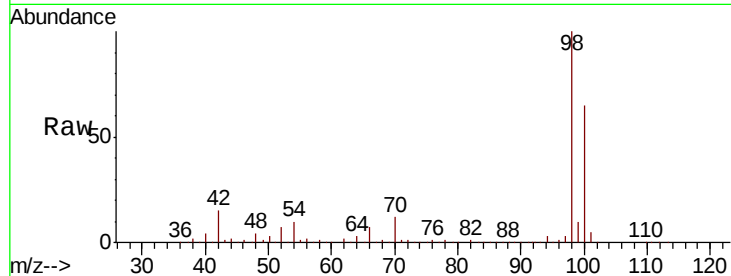




#50
Toluene-d8
Concen: 50.752 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

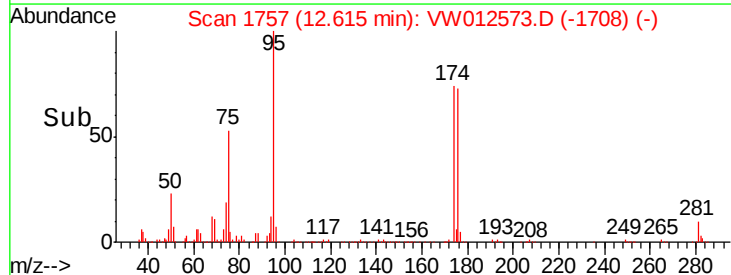
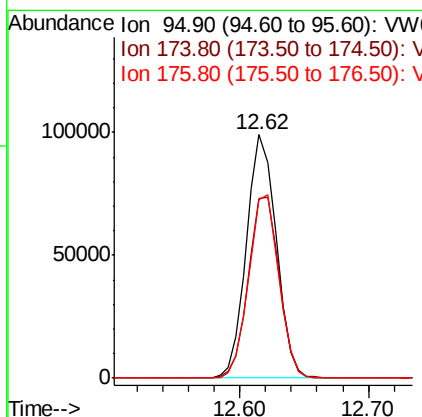
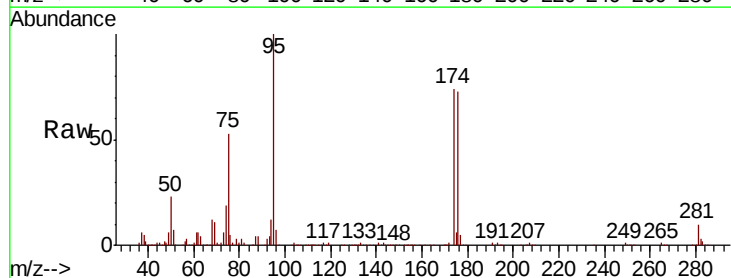
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(1.9)

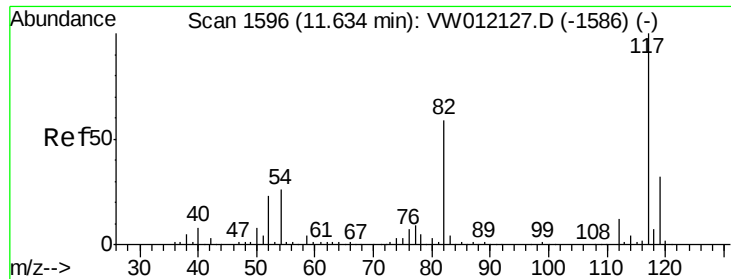
Tgt Ion: 98 Resp: 539022
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.257 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

Tgt Ion: 95 Resp: 158200
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.8
176 75.8 0.0 148.6

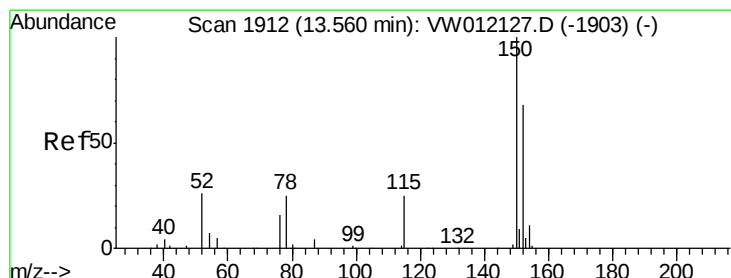
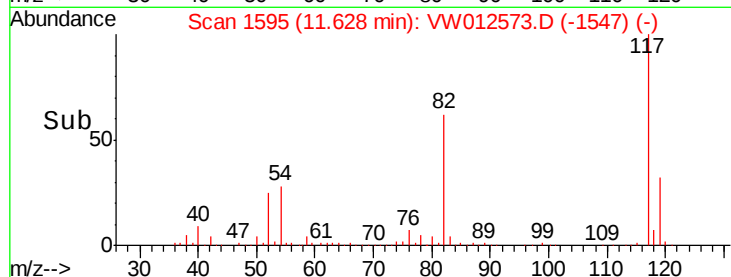
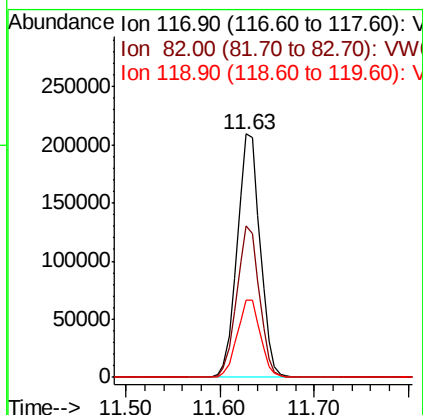
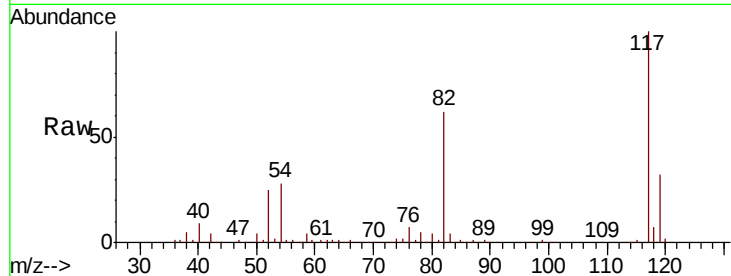




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

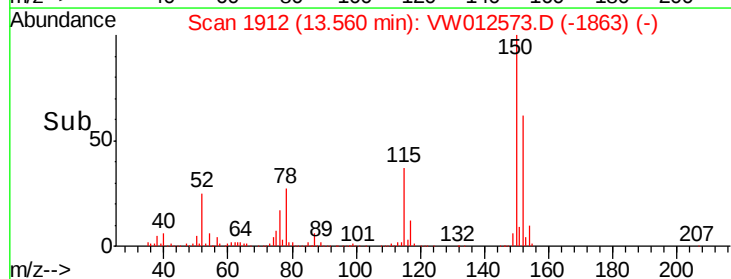
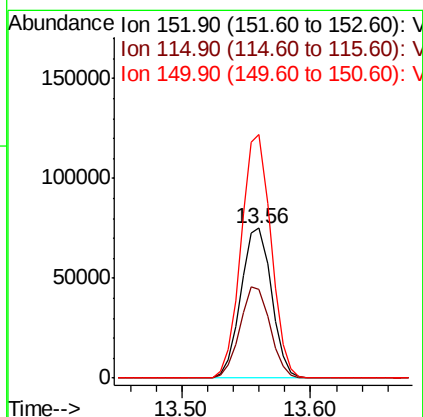
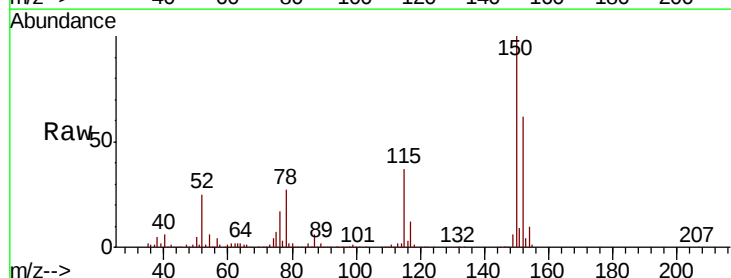
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(1.9)

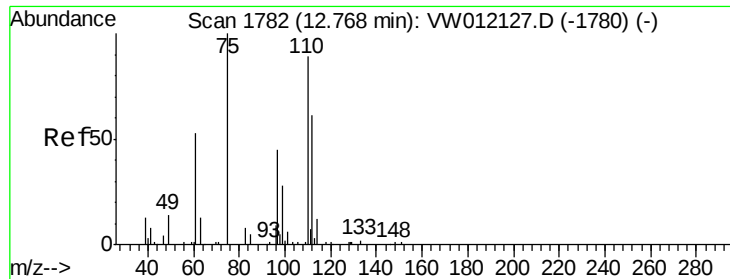
Tgt Ion:117 Resp: 354949
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

Tgt Ion:152 Resp: 123682
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 158.6 0.0 345.8

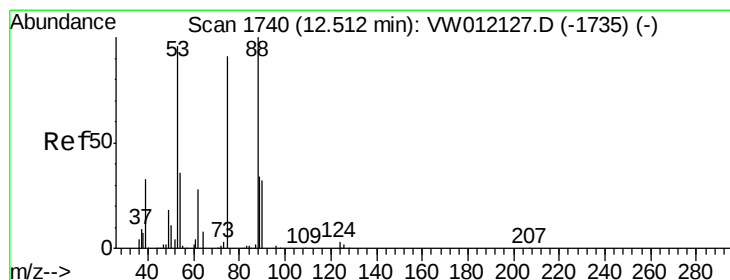
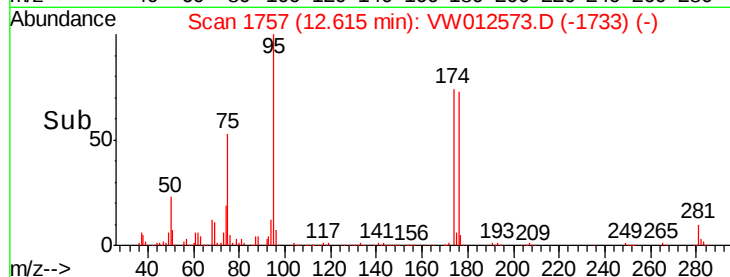
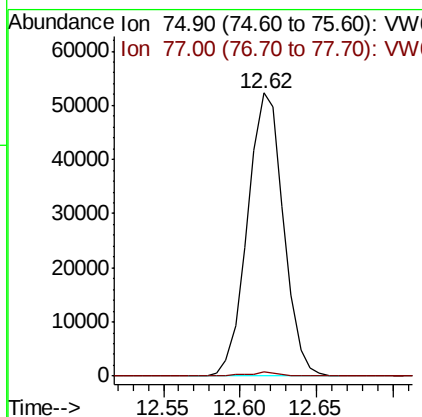
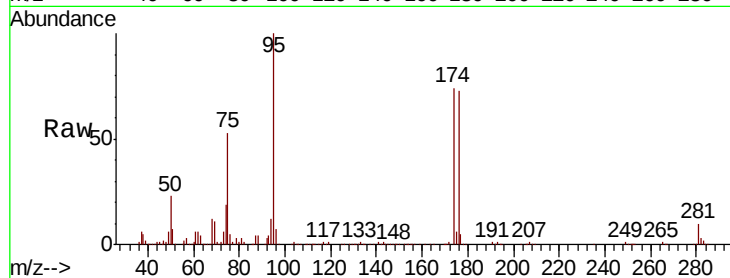




#76
 1,2,3-Trichloropropane
 Concen: 70.823 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

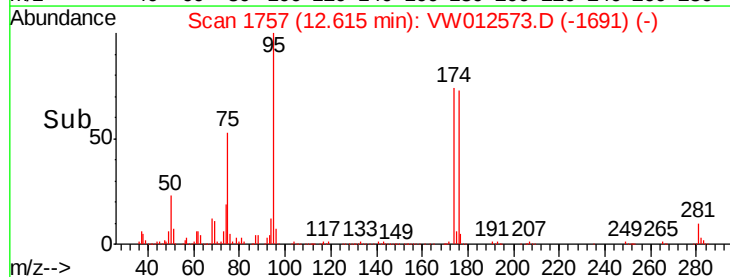
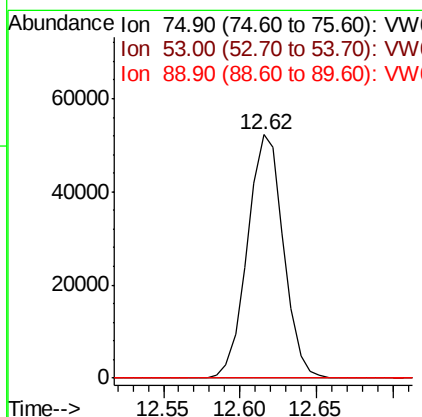
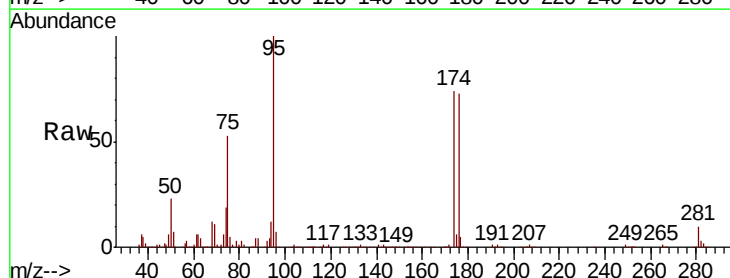
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A2-(1.9)

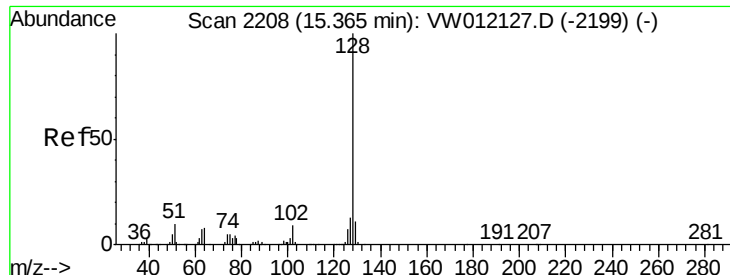
Tgt Ion: 75 Resp: 85312
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.283 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012573.D
 Acq: 04 Sep 2019 03:58

Tgt Ion: 75 Resp: 85312
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.346 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012573.D
Acq: 04 Sep 2019 03:58

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(1.9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

