

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012468.D
 Acq On : 02 Sep 2019 01:07
 Operator : SY/VA
 Sample : K4527-11
 Misc : 5.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N2-(1.9)

Quant Time: Sep 02 07:24:29 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

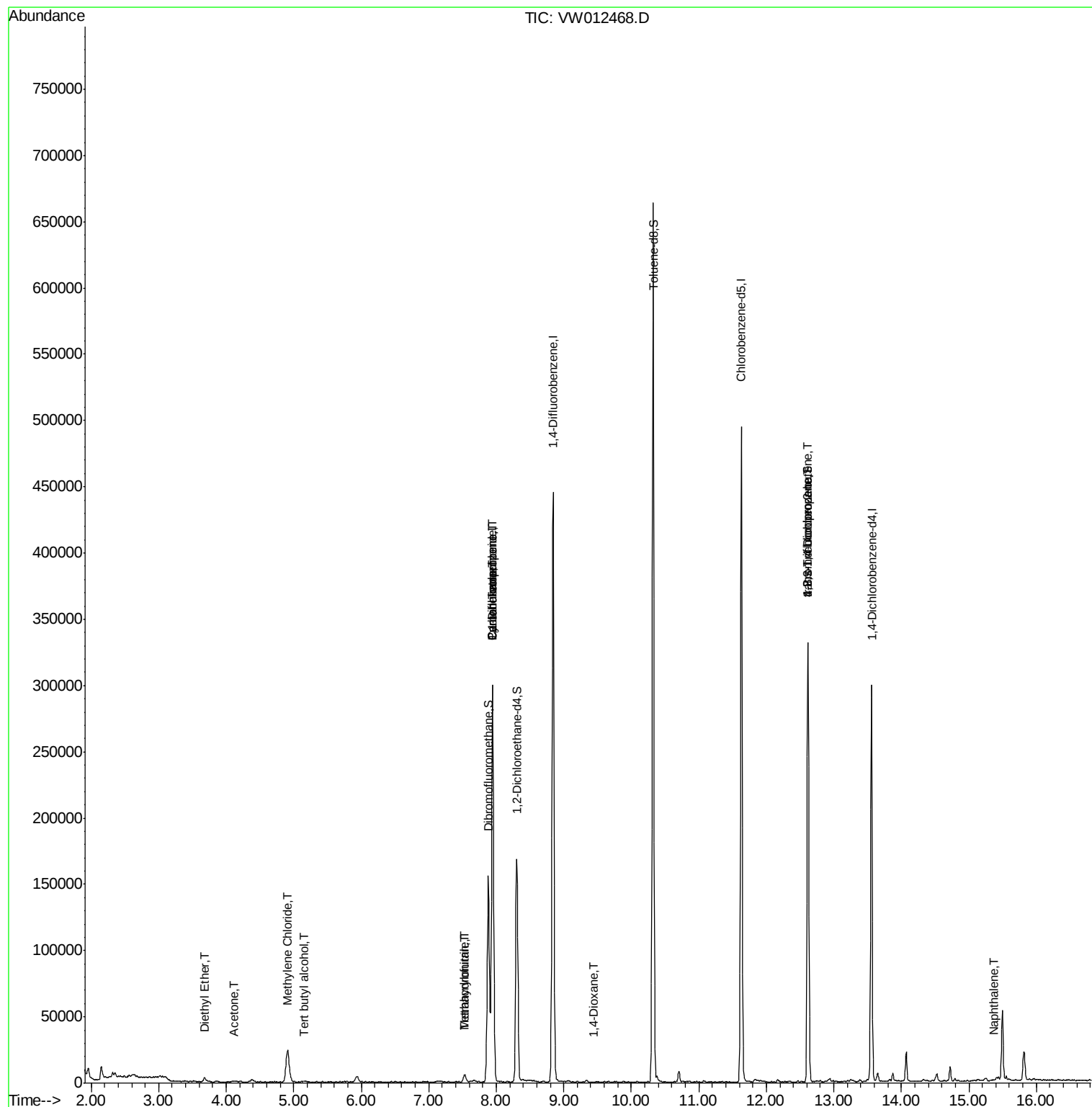
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	259098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140640	55.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.54%	
35) Dibromofluoromethane	7.88	113	109664	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
50) Toluene-d8	10.32	98	407236	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	105907	35.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1512	1.281	ug/l	84
11) Tert butyl alcohol	5.15	59	863	5.687	ug/l #	71
16) Acetone	4.12	43	1893	2.937	ug/l #	84
20) Methylene Chloride	4.92	84	17597	7.221	ug/l	97
29) Tetrahydrofuran	7.53	42	5175	9.848	ug/l	98
31) Cyclohexane	7.95	56	5561	1.224	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	18192	5.102	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21580	6.992	ug/l #	16
41) Methacrylonitrile	7.52	41	3335	2.904	ug/l #	55
49) 1,4-Dioxane	9.44	88	40	2.241	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	59190	80.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59190	176.047	ug/l #	6
95) Naphthalene	15.36	128	819	4.583	ug/l #	80

(#) = 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: VW012468.D

Acq: 02 Sep 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

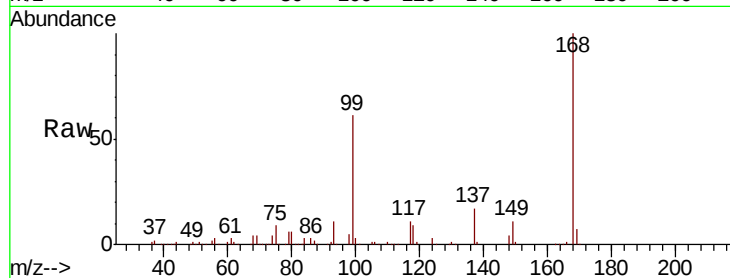
T9-12-13-N2-(1.9)

Tgt Ion:168 Resp: 212125

Ion Ratio Lower Upper

168 100

99 61.1 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

80000

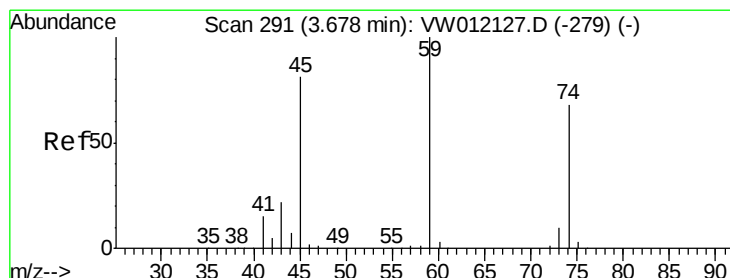
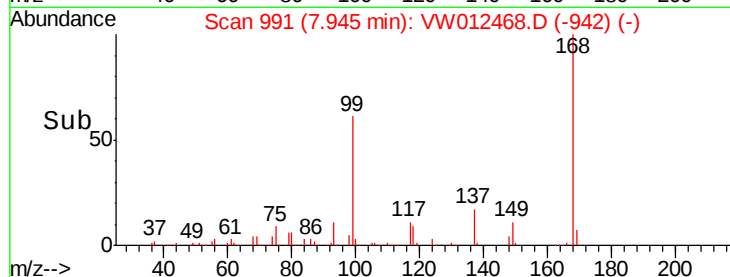
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.281 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012468.D

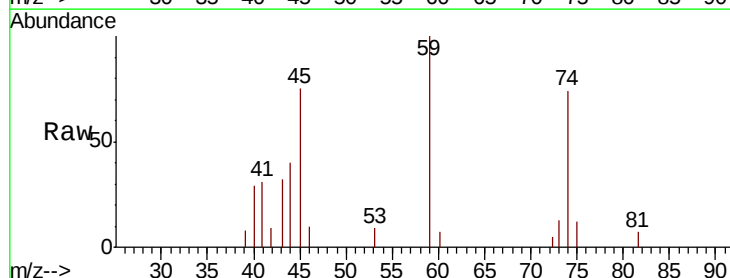
Acq: 02 Sep 2019 01:07

Tgt Ion: 74 Resp: 1512

Ion Ratio Lower Upper

74 100

45 136.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

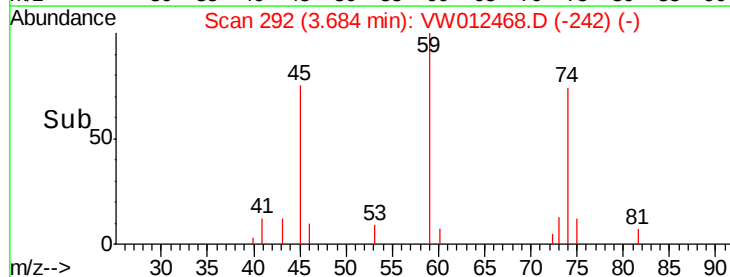
600

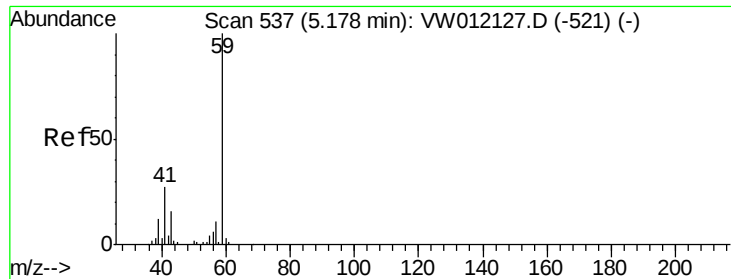
400

200

0

Time--> 3.60 3.65 3.70 3.75

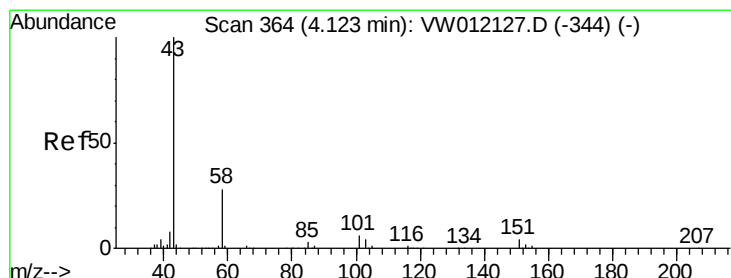
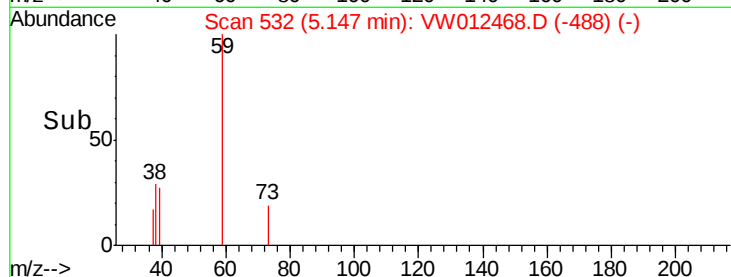
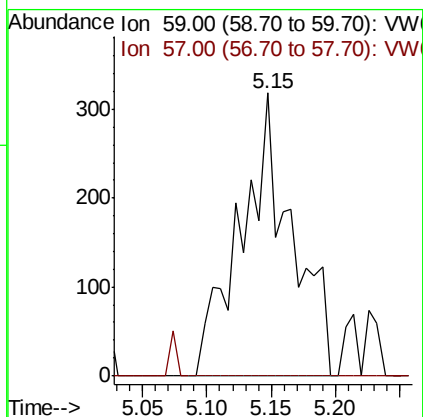
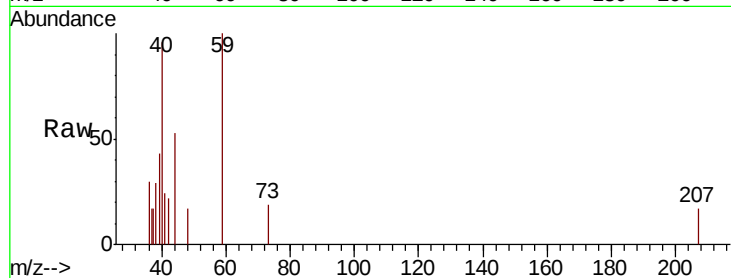




#11
Tert butyl alcohol
Concen: 5.687 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.03 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

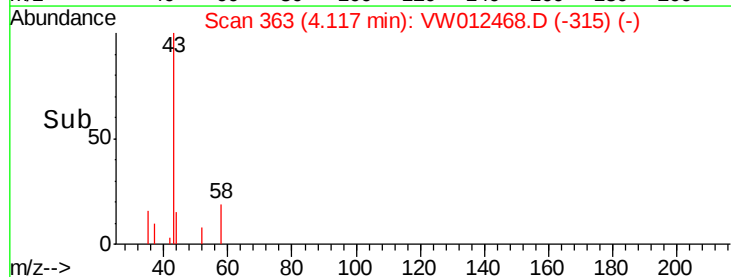
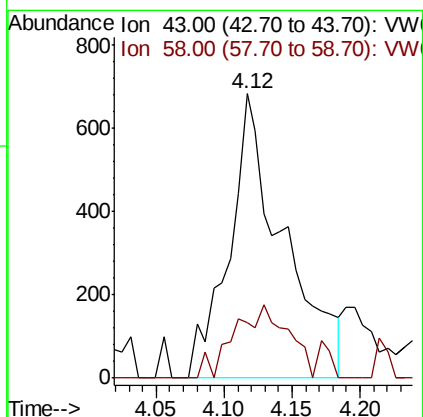
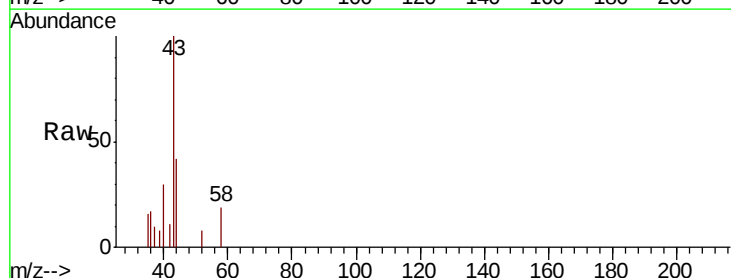
Instrument :
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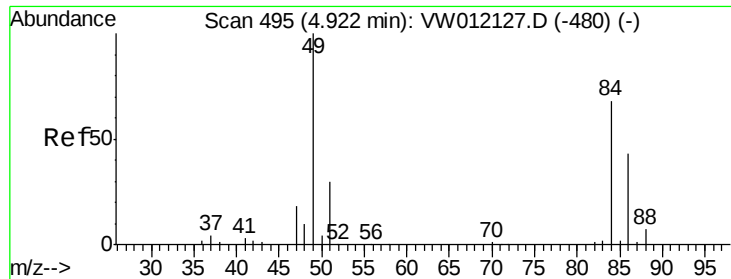
Tgt Ion: 59 Resp: 863
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.937 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
58 19.4 22.4 33.6#

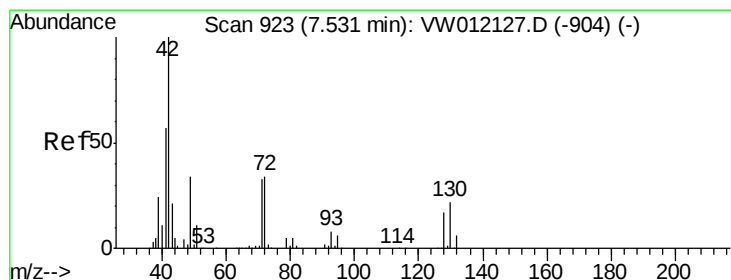
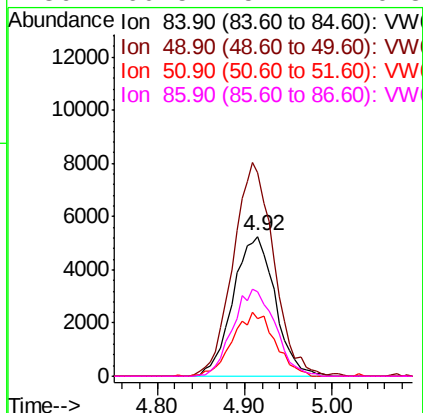
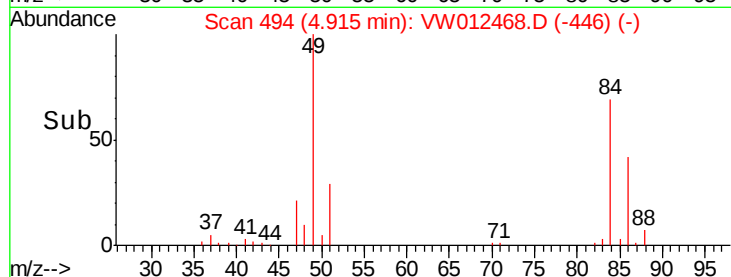
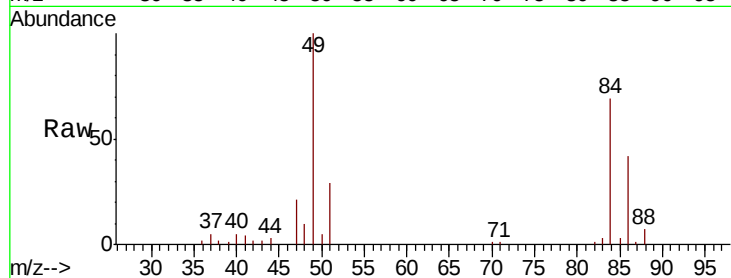




#20
Methylene Chloride
Concen: 7.221 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

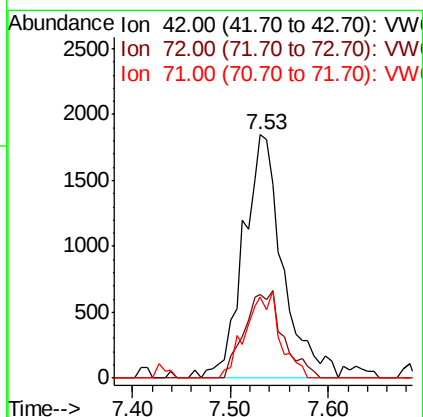
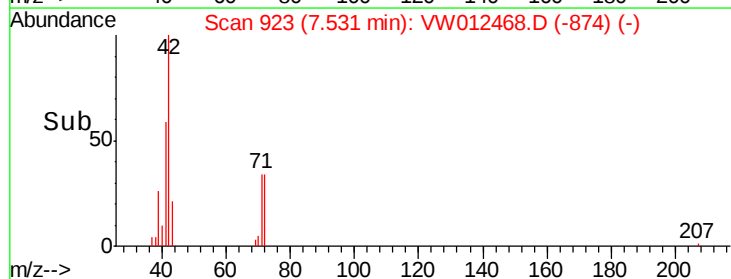
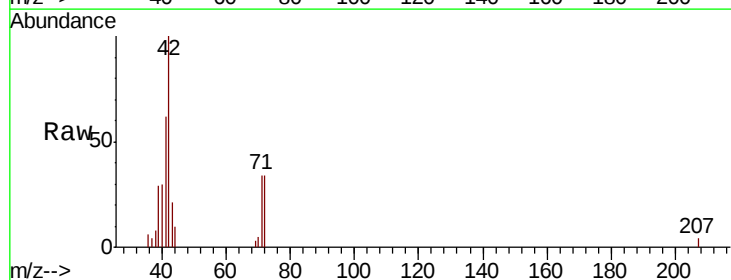
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N2-(1.9)

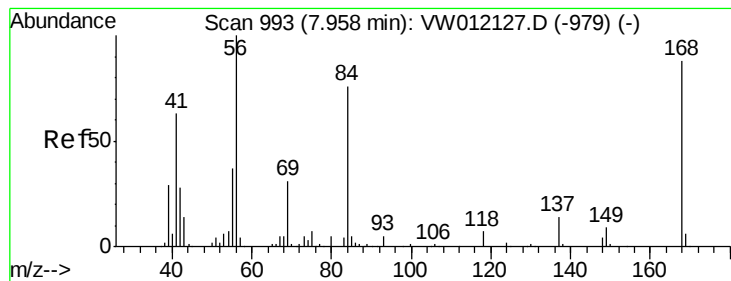
Tgt Ion:	84	Resp:	17597
Ion	Ratio	Lower	Upper
84	100		
49	145.2	117.8	176.8
51	41.4	35.6	53.4
86	60.5	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.848 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

Tgt Ion:	42	Resp:	5175
Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.3	40.9
71	31.0	25.5	38.3





#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012468.D

Acq: 02 Sep 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N2-(1.9)

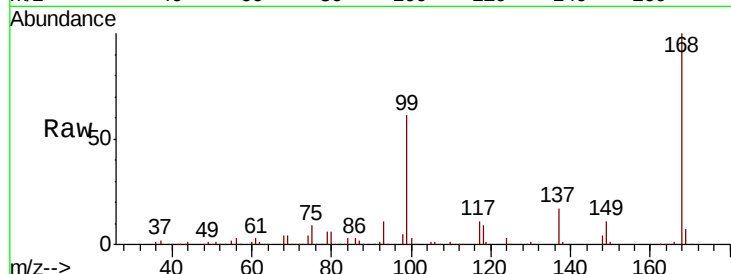
Tgt Ion: 56 Resp: 5561

Ion Ratio Lower Upper

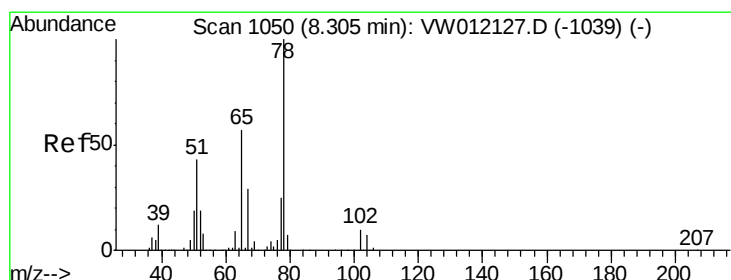
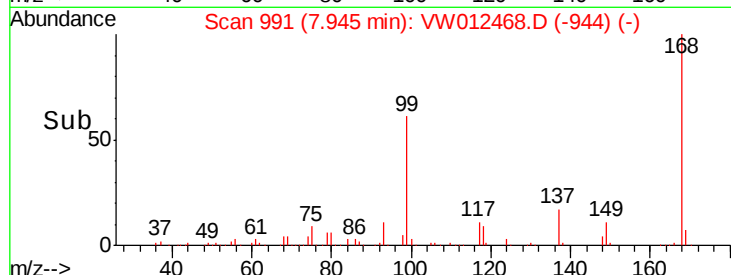
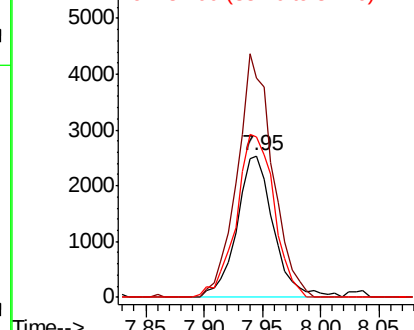
56 100

69 155.2 24.9 37.3#

84 113.5 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: 55.773 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012468.D

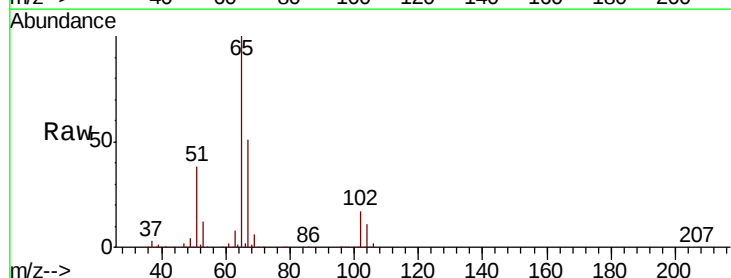
Acq: 02 Sep 2019 01:07

Tgt Ion: 65 Resp: 140640

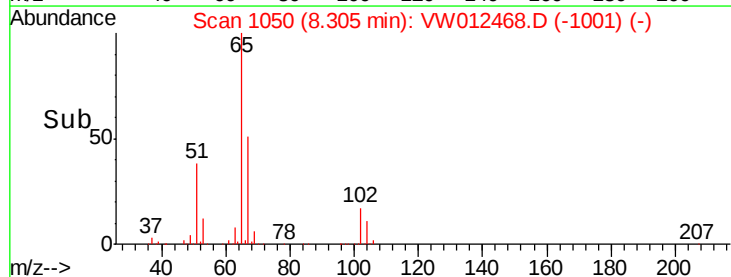
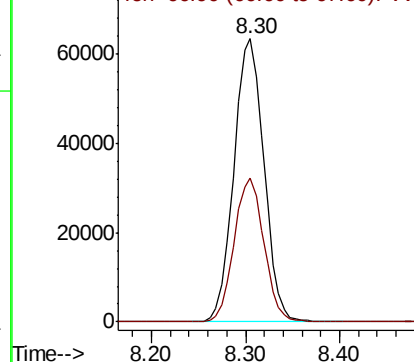
Ion Ratio Lower Upper

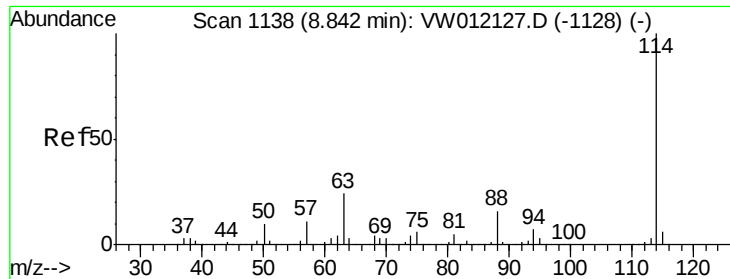
65 100

67 50.5 0.0 102.6



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

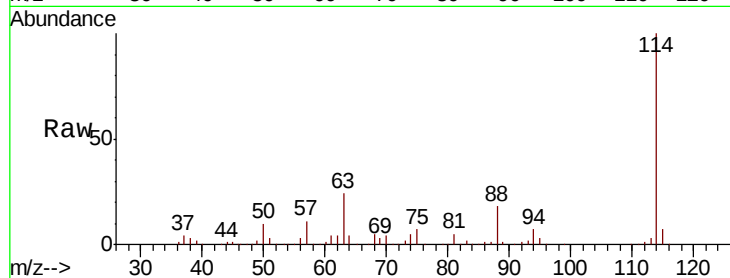




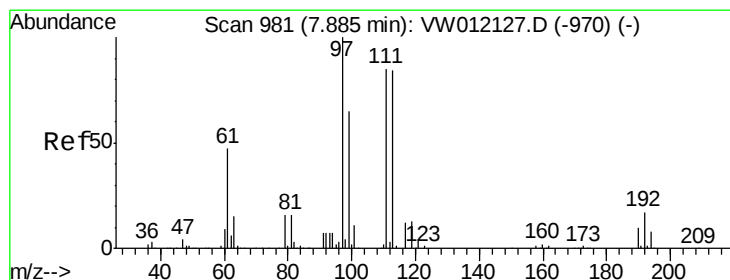
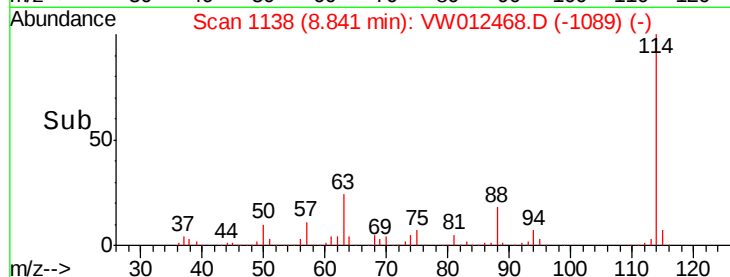
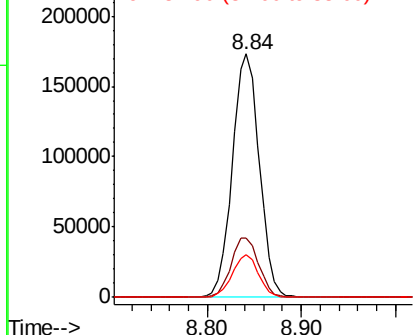
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N2-(1.9)

Tgt Ion:114 Resp: 345049
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 17.6 0.0 32.2

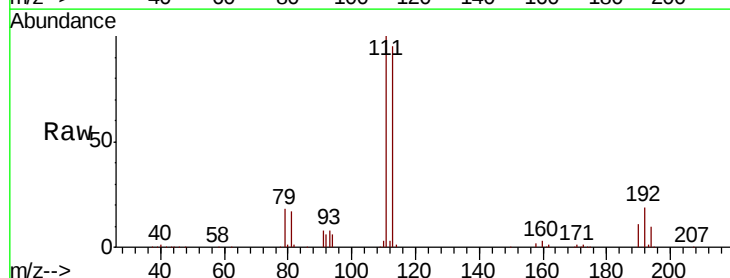


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

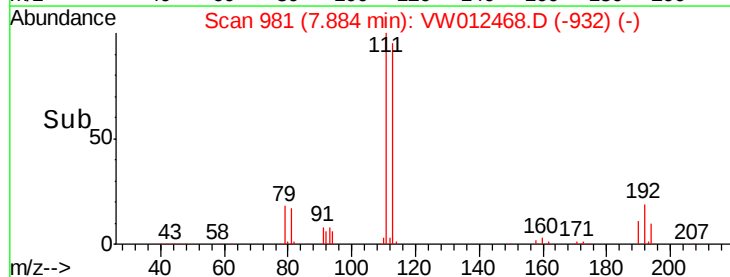
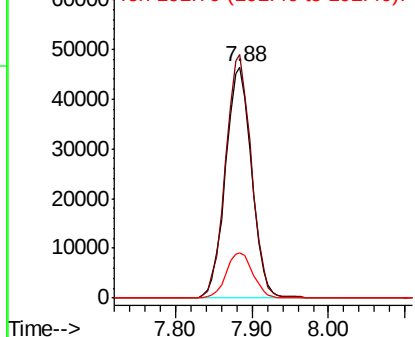


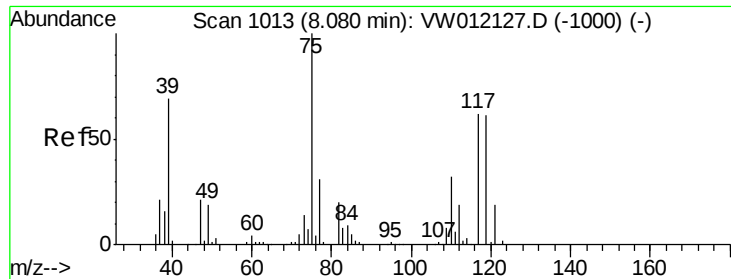
#35
 Dibromofluoromethane
 Concen: 53.245 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

Tgt Ion:113 Resp: 109664
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.7 124.1
 192 19.9 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

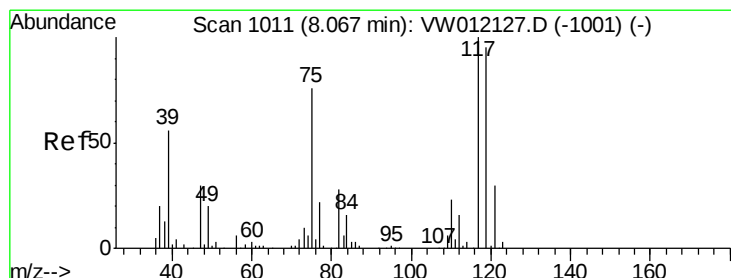
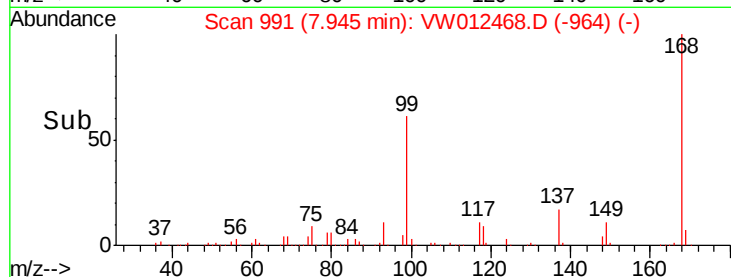
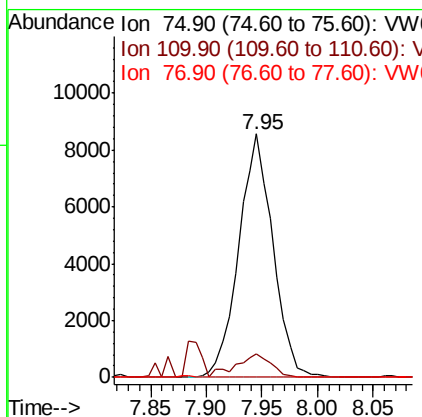
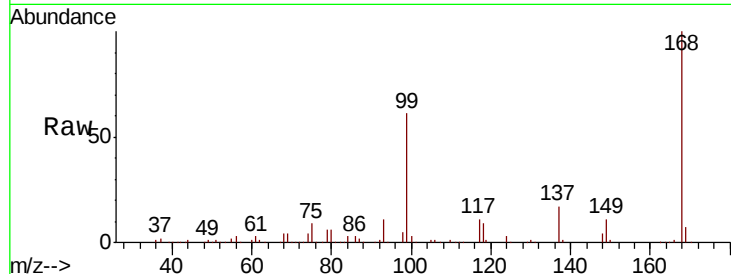




#36
 1,1-Dichloropropene
 Concen: 5.102 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

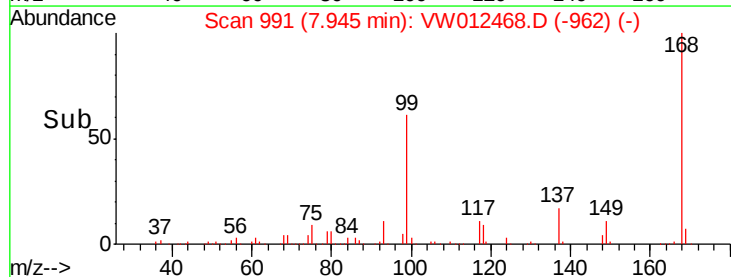
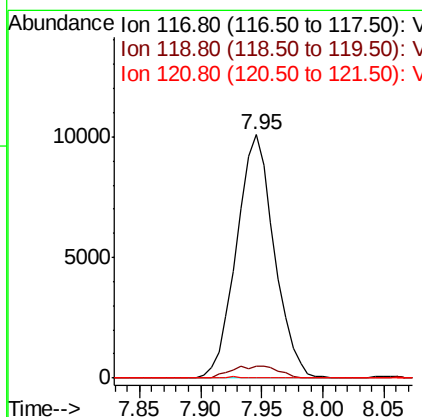
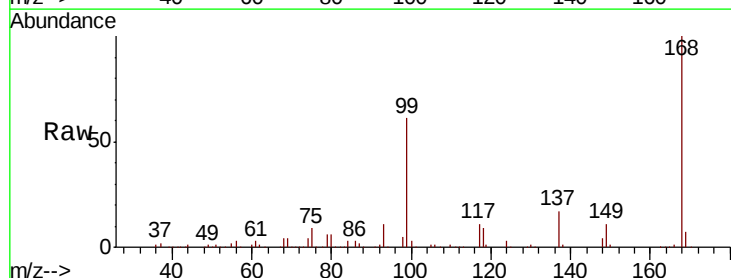
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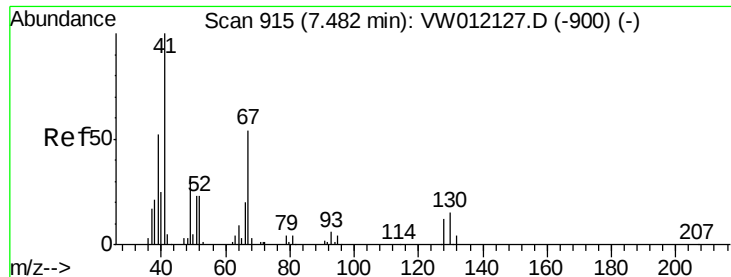
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.992 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

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

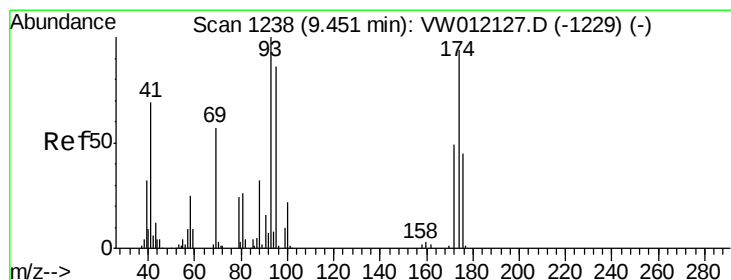
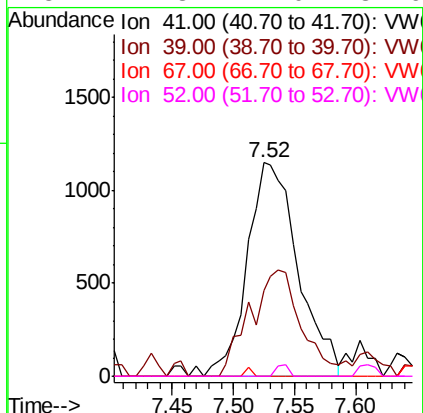
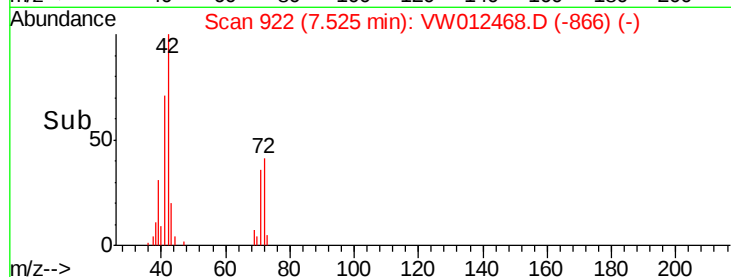
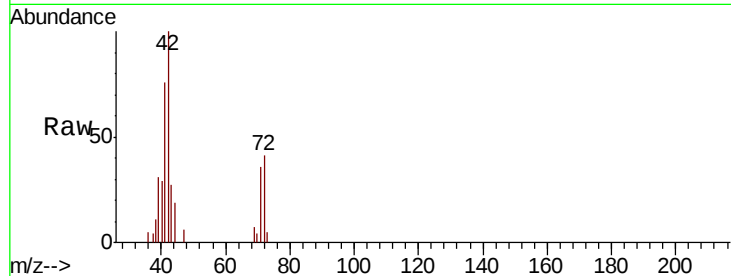




#41
Methacrylonitrile
Concen: 2.904 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

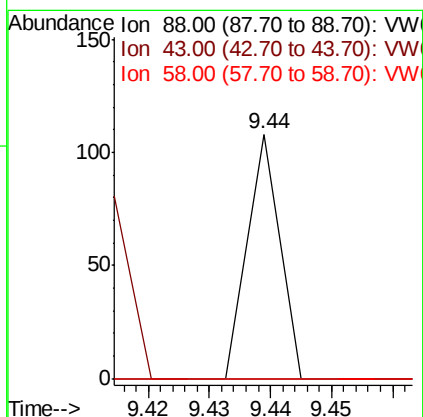
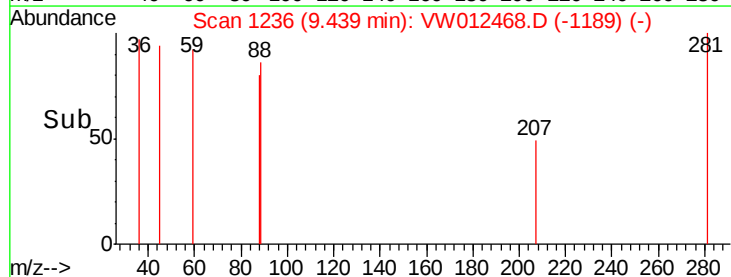
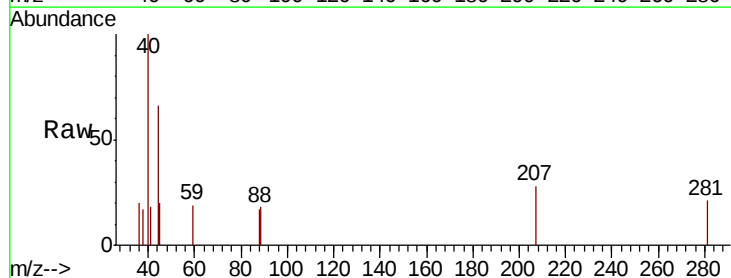
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N2-(1.9)

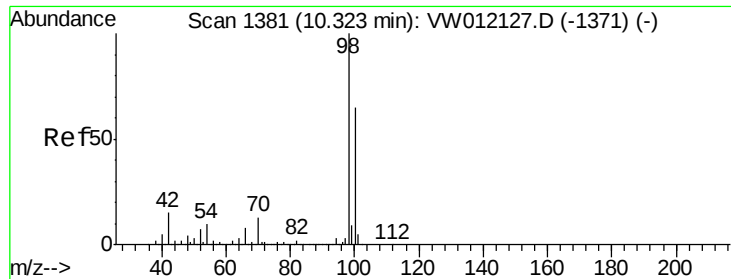
Tgt Ion:	41	Resp:	3335
Ion	Ratio	Lower	Upper
41	100		
39	49.9	45.8	68.8
67	0.0	46.2	69.4#
52	1.3	21.0	31.6#



#49
1,4-Dioxane
Concen: 2.241 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

Tgt Ion:	88	Resp:	40
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 48.764 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012468.D

Acq: 02 Sep 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

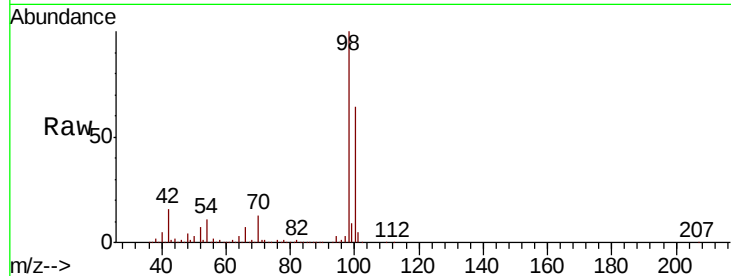
T9-12-13-N2-(1.9)

Tgt Ion: 98 Resp: 407236

Ion Ratio Lower Upper

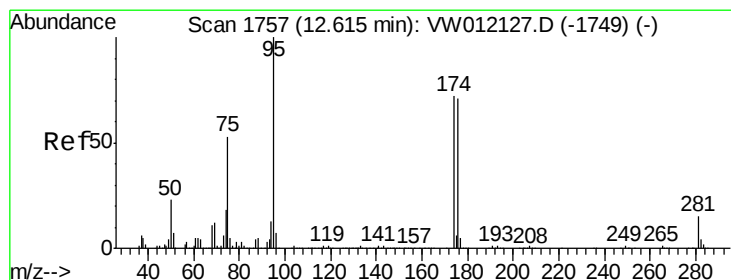
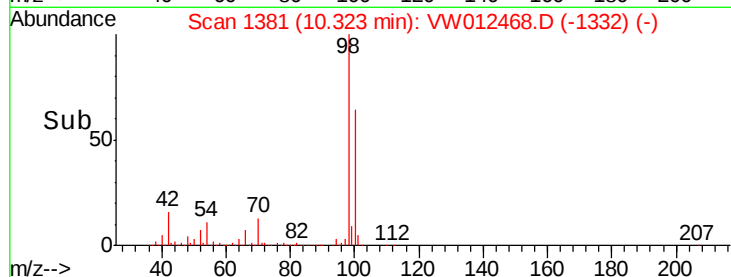
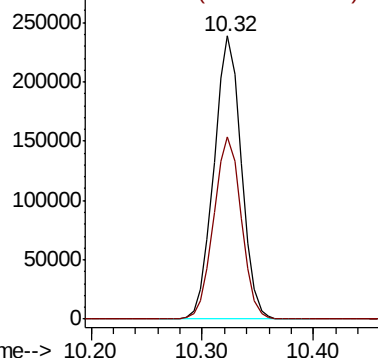
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 35.977 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012468.D

Acq: 02 Sep 2019 01:07

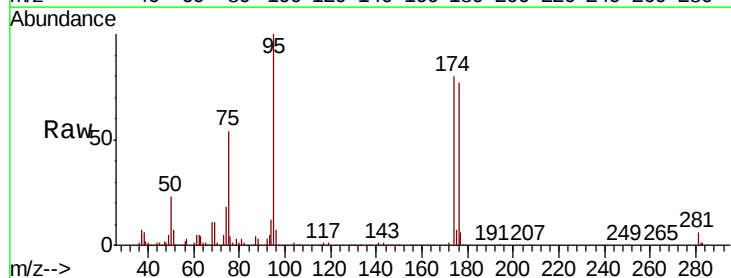
Tgt Ion: 95 Resp: 105907

Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

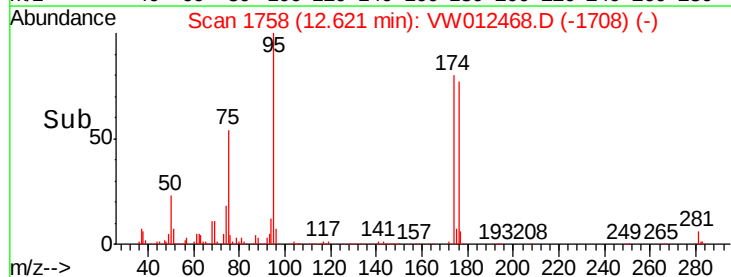
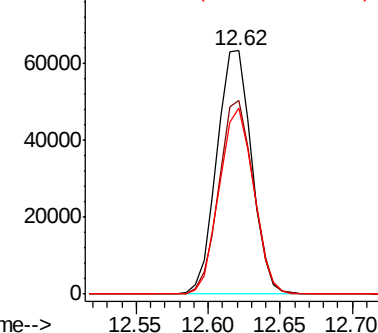
176 75.6 0.0 148.6

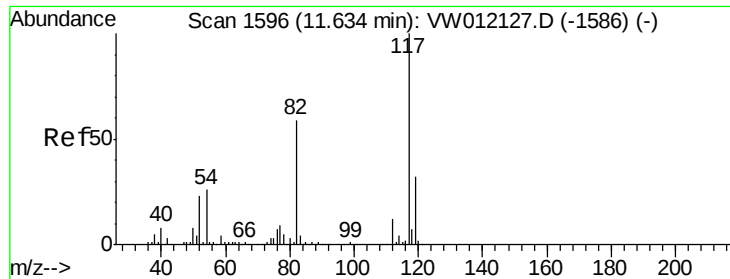


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

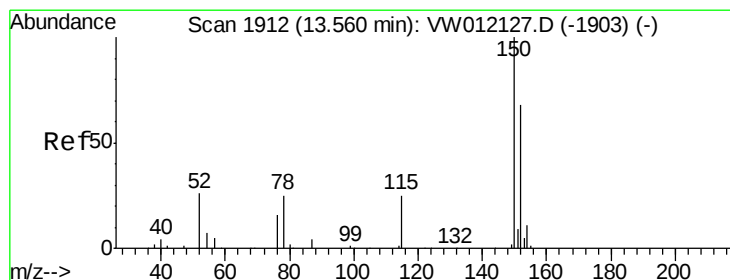
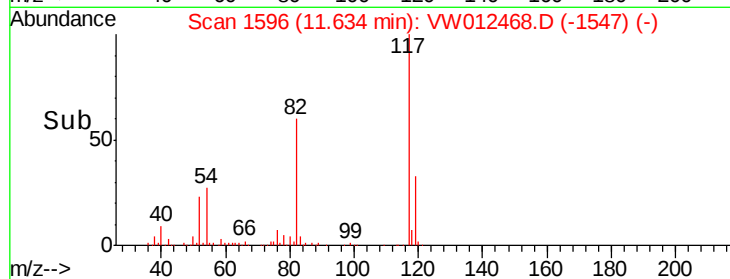
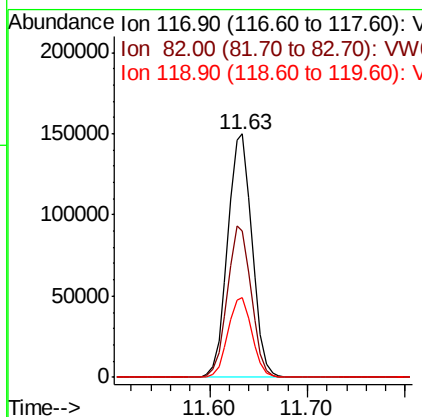
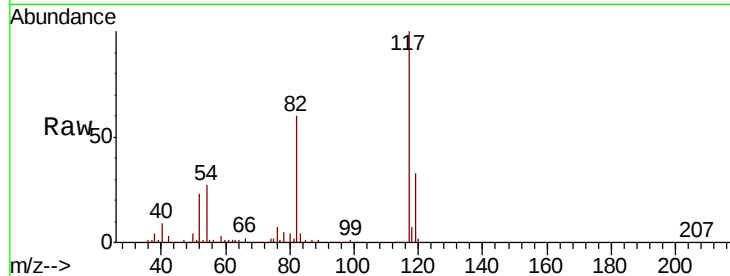




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

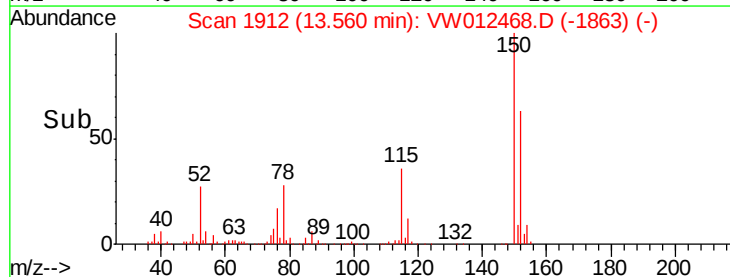
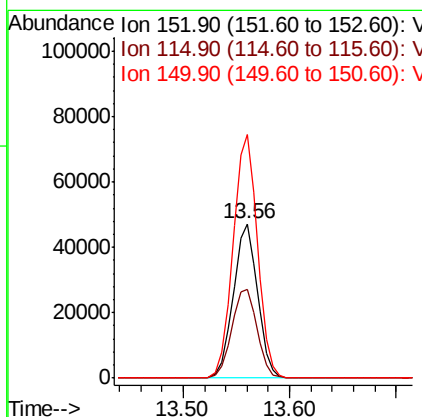
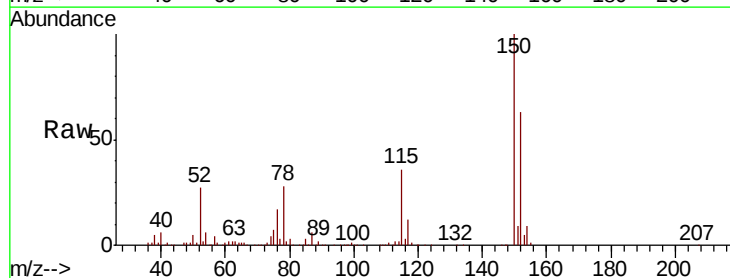
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N2-(1.9)

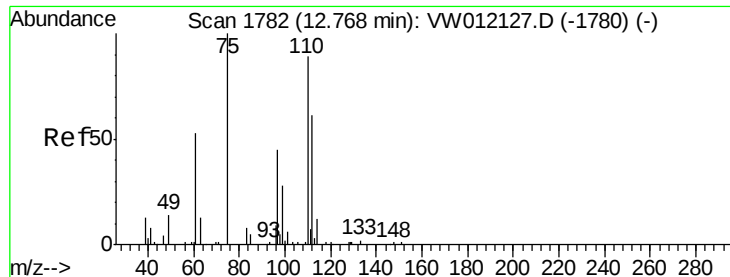
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.4	71.2
119	32.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012468.D
Acq: 02 Sep 2019 01:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.3
150	157.5	0.0	345.8

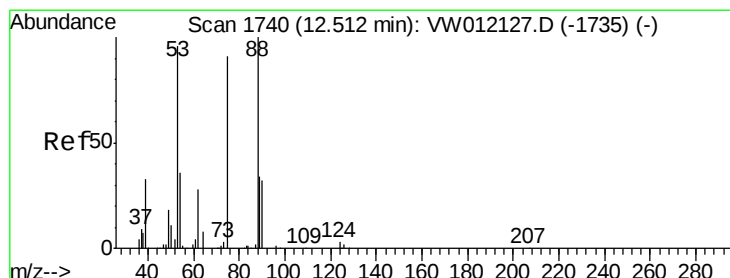
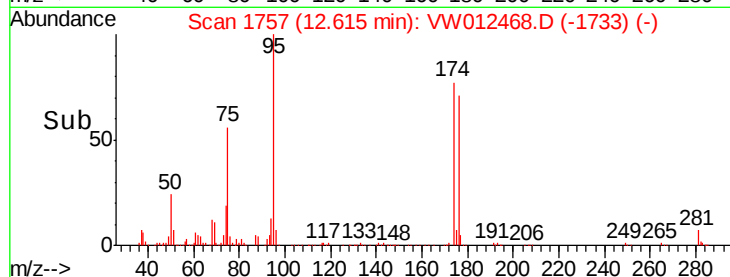
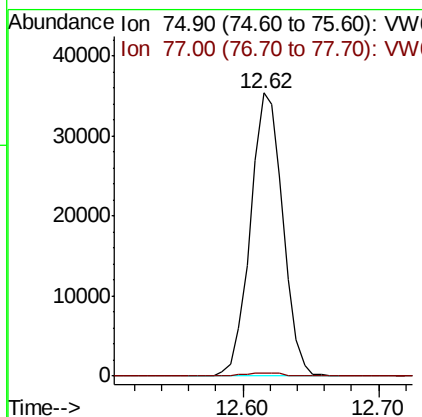
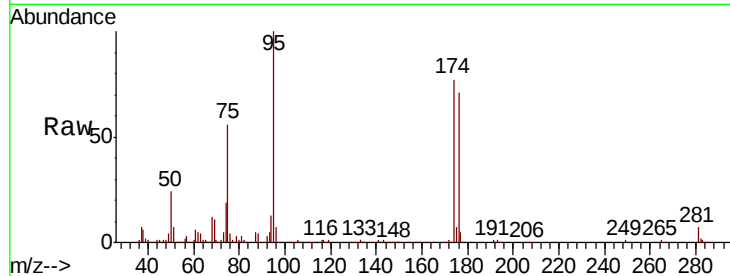




#76
 1,2,3-Trichloropropane
 Concen: 80.294 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

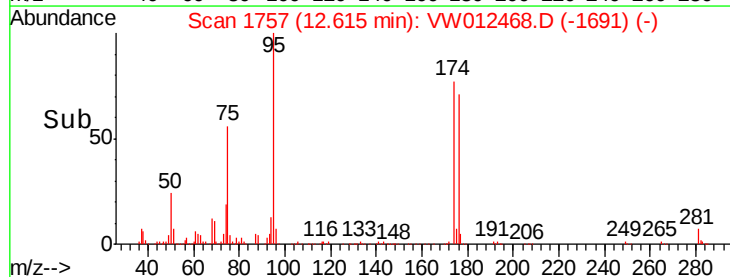
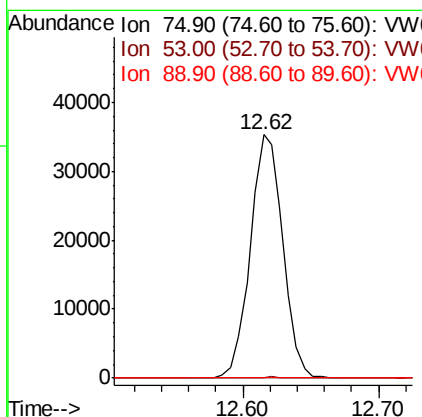
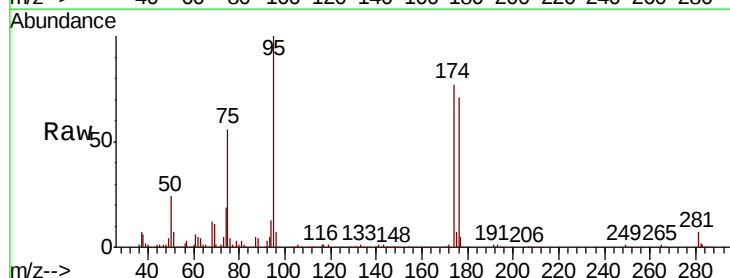
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N2-(1.9)

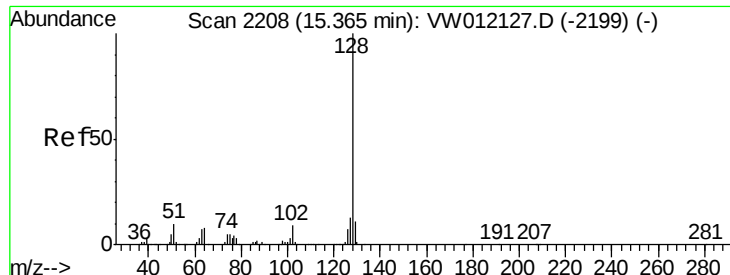
Tgt Ion: 75 Resp: 59190
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 176.047 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012468.D
 Acq: 02 Sep 2019 01:07

Tgt Ion: 75 Resp: 59190
 Ion Ratio Lower Upper
 75 100
 53 0.3 89.4 134.0#
 89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.583 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012468.D

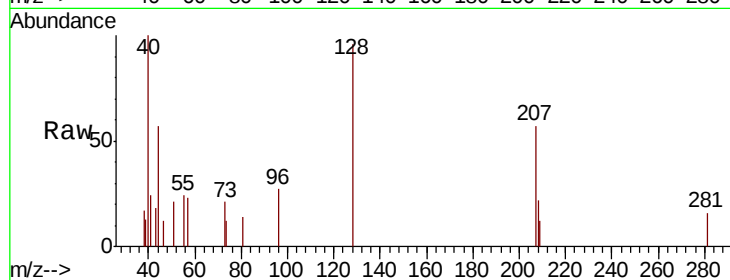
Acq: 02 Sep 2019 01:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N2-(1.9)



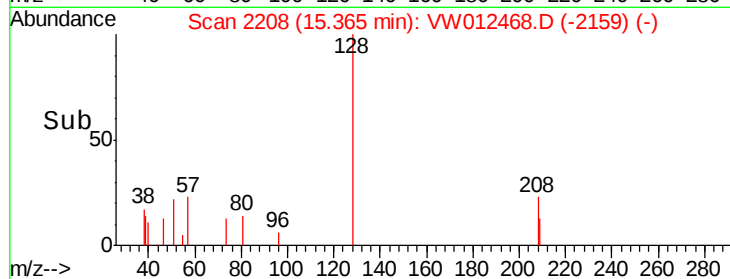
Tgt Ion:128 Resp: 819

Ion Ratio Lower Upper

128 100

127 8.1 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

