

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012469.D
 Acq On : 02 Sep 2019 01:33
 Operator : SY/VA
 Sample : K4527-12
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N3-(1.9)

Quant Time: Sep 02 07:24:42 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	218510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97610	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	145354	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
35) Dibromofluoromethane	7.88	113	112308	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	10.32	98	437039	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.62	95	124051	40.55	ug/l	0.00
Spiked Amount			Recovery	=	81.10%	

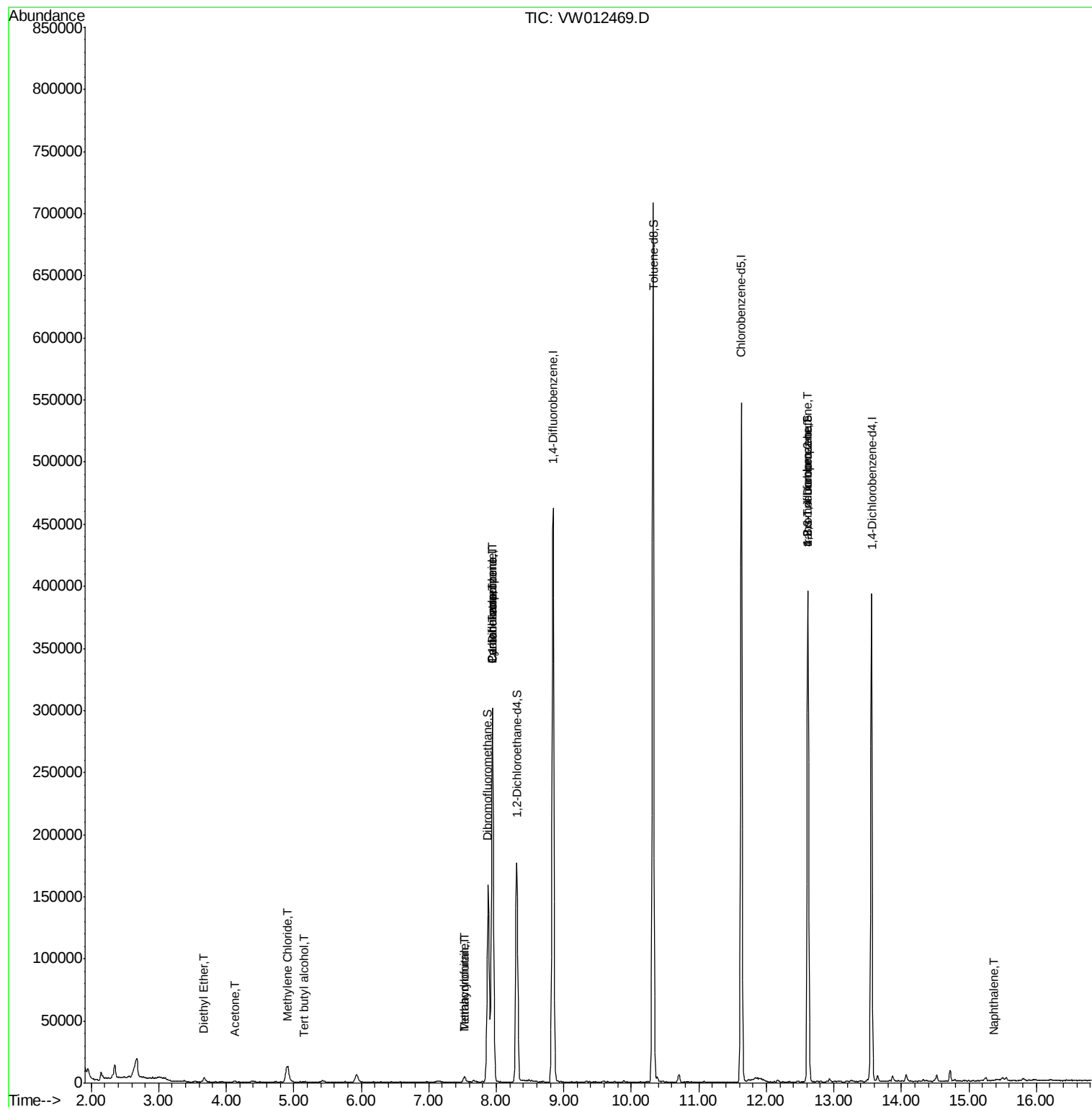
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1560	1.283	ug/l	98
11) Tert butyl alcohol	5.16	59	764	4.887	ug/l #	84
16) Acetone	4.13	43	1453	2.188	ug/l #	88
20) Methylene Chloride	4.90	84	9138	3.640	ug/l	95
29) Tetrahydrofuran	7.53	42	3780	6.983	ug/l	95
31) Cyclohexane	7.95	56	5811	1.242	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18999	5.127	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22895	7.139	ug/l #	16
41) Methacrylonitrile	7.53	41	2507	2.101	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	69006	72.588	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69006	159.152	ug/l #	6
95) Naphthalene	15.37	128	410	4.423	ug/l #	87

(#) = 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: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

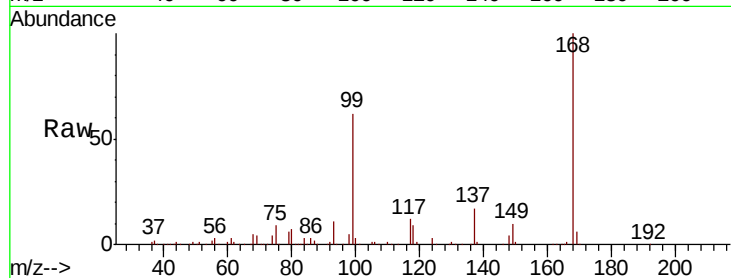
T9-12-13-N3-(1.9)

Tgt Ion:168 Resp: 218510

Ion Ratio Lower Upper

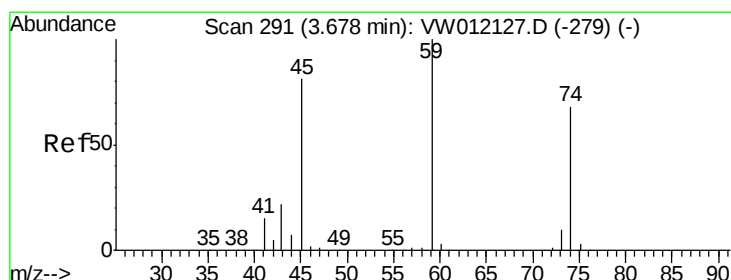
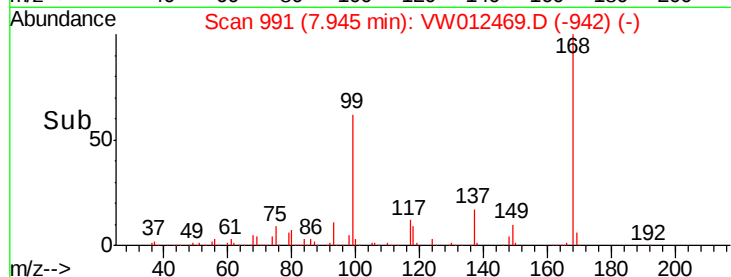
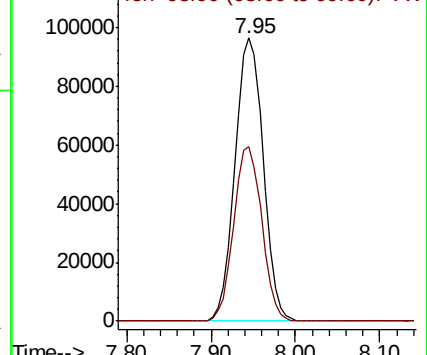
168 100

99 61.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.283 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012469.D

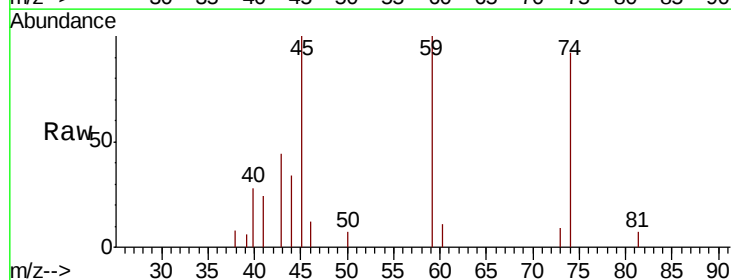
Acq: 02 Sep 2019 01:33

Tgt Ion: 74 Resp: 1560

Ion Ratio Lower Upper

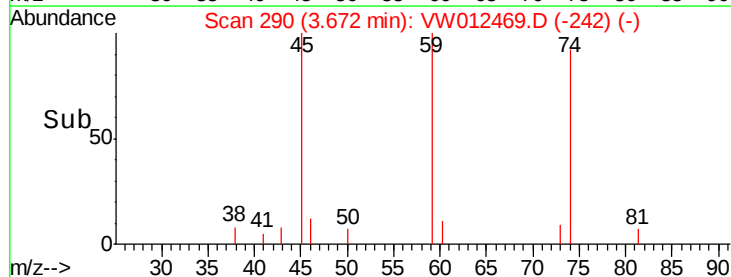
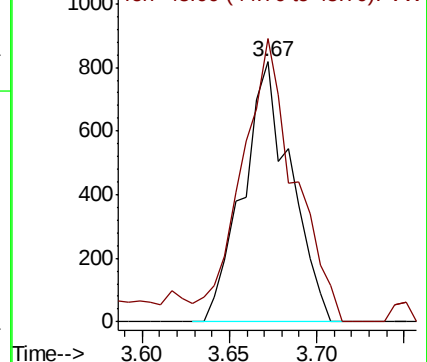
74 100

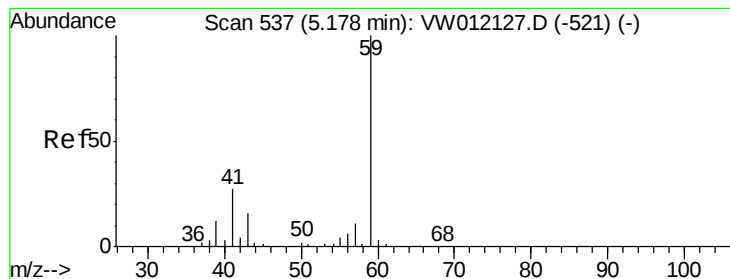
45 120.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



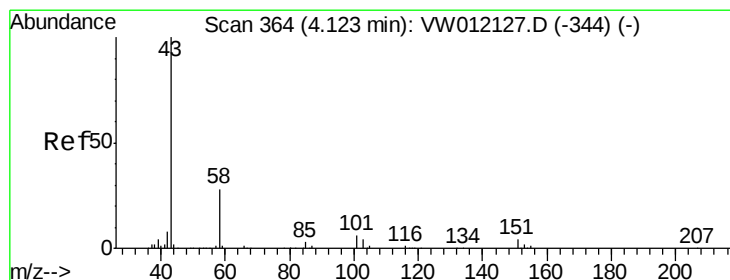
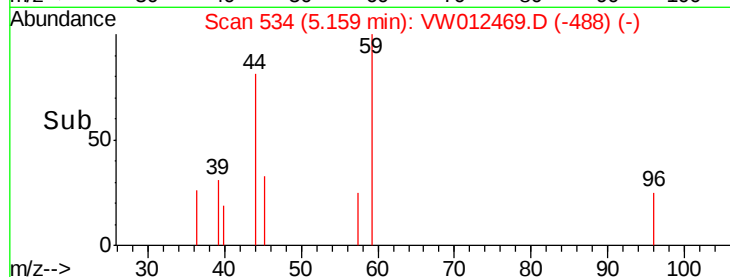
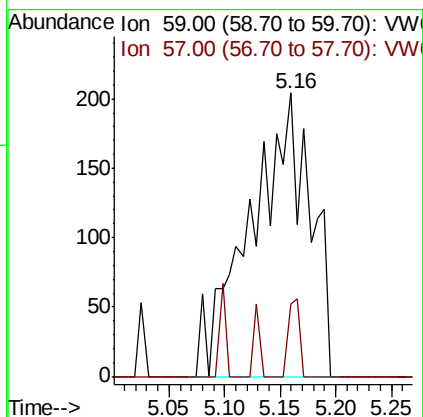
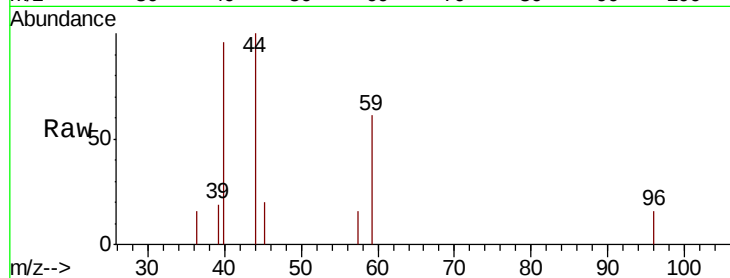


#11

Tert butyl alcohol
Concen: 4.887 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012469.D
Acq: 02 Sep 2019 01:33

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N3-(1.9)

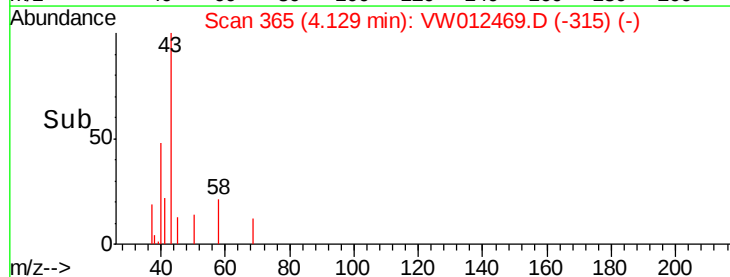
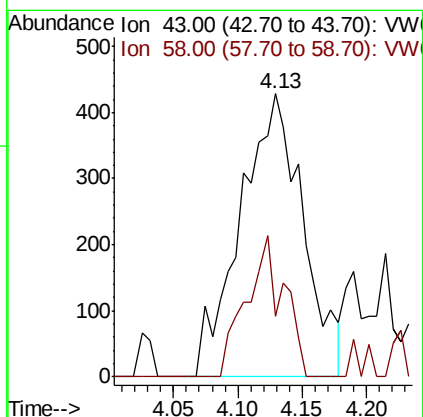
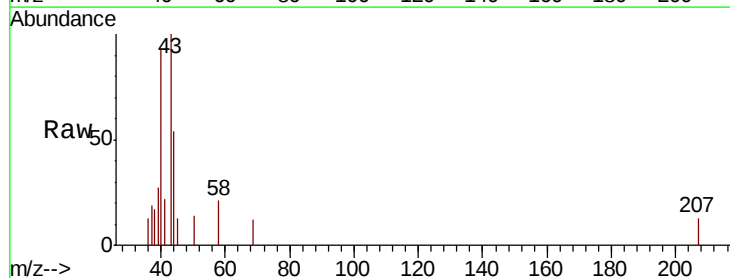
Tgt Ion: 59 Resp: 764
Ion Ratio Lower Upper
59 100
57 5.2 9.0 13.4#

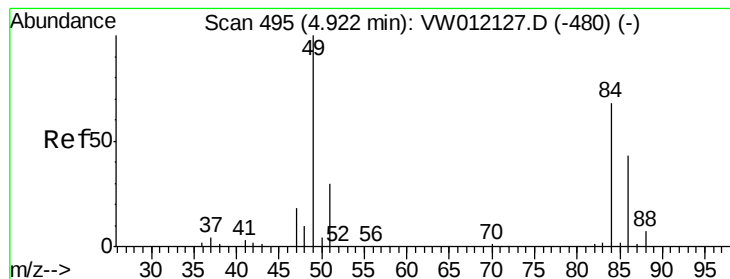


#16

Acetone
Concen: 2.188 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012469.D
Acq: 02 Sep 2019 01:33

Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
58 21.5 22.4 33.6#





#20

Methylene Chloride

Concen: 3.640 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N3-(1.9)

Tgt Ion: 84 Resp: 9138

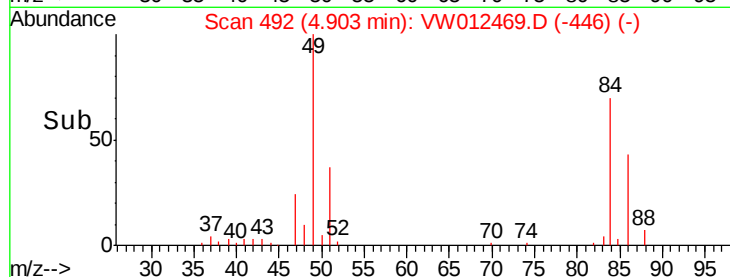
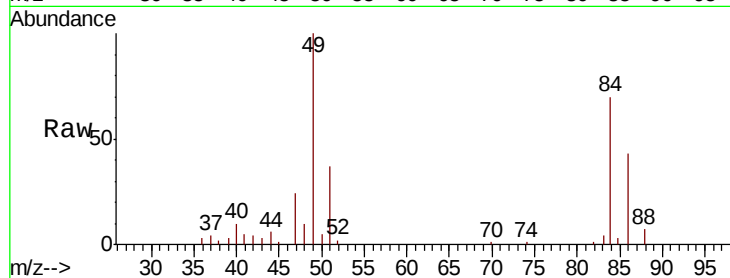
Ion Ratio Lower Upper

84 100

49 143.3 117.8 176.8

51 53.1 35.6 53.4

86 62.2 51.2 76.8

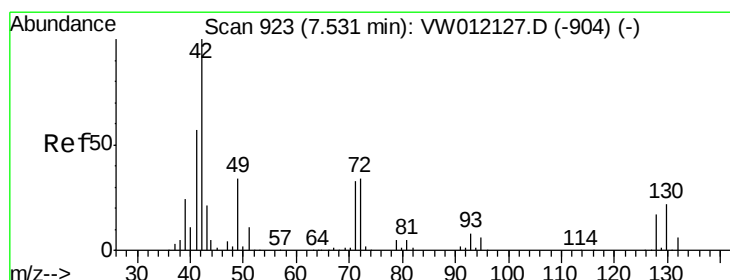
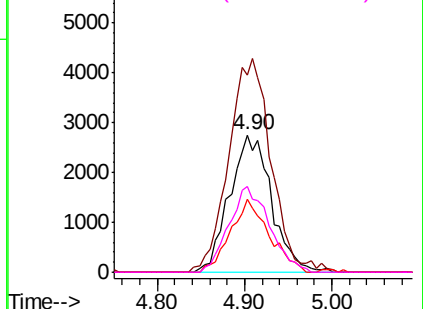


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 6.983 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

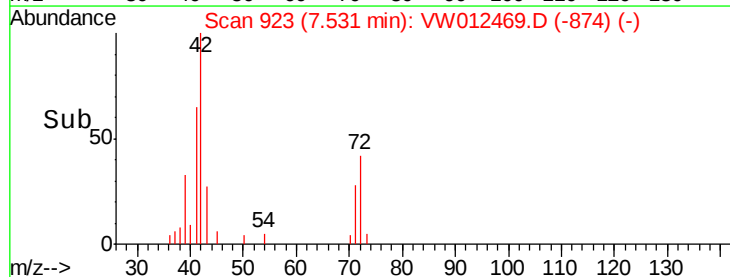
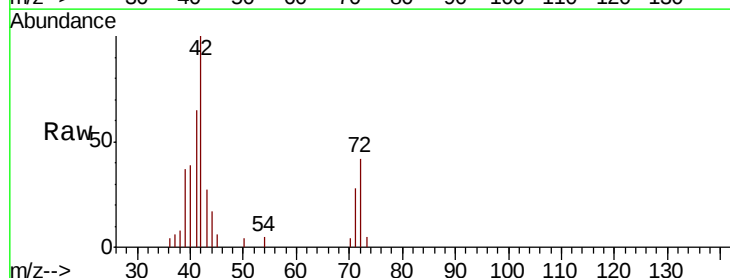
Tgt Ion: 42 Resp: 3780

Ion Ratio Lower Upper

42 100

72 37.0 27.3 40.9

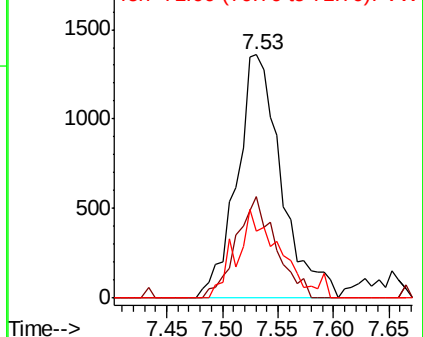
71 34.8 25.5 38.3

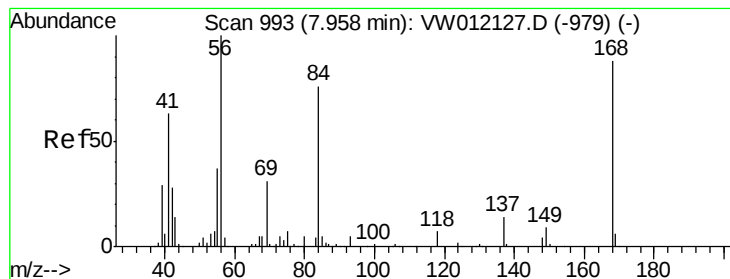


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N3-(1.9)

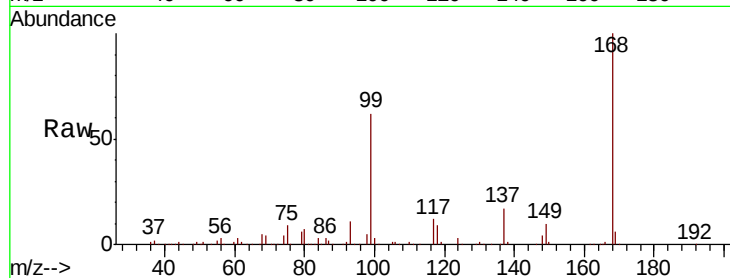
Tgt Ion: 56 Resp: 5811

Ion Ratio Lower Upper

56 100

69 166.4 24.9 37.3#

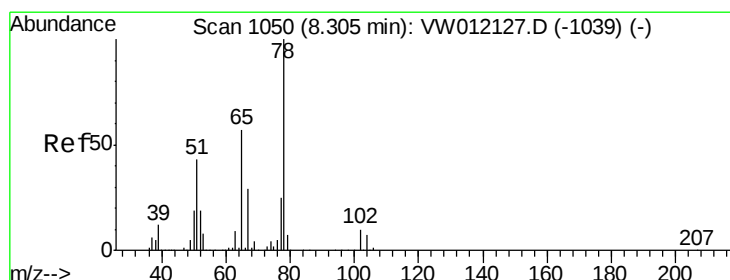
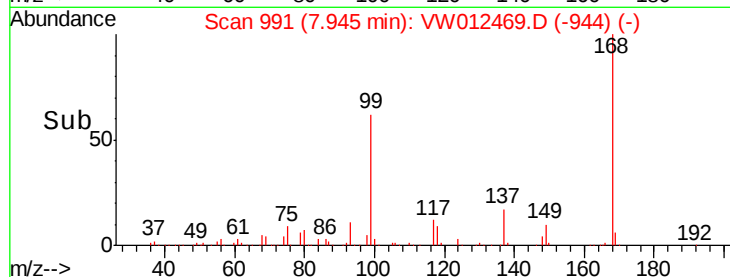
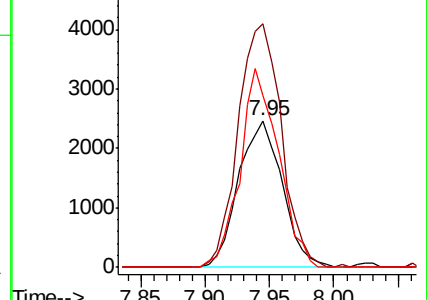
84 117.1 60.6 90.8#



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: 55.958 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012469.D

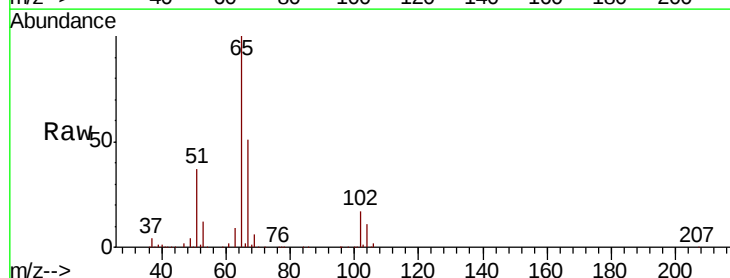
Acq: 02 Sep 2019 01:33

Tgt Ion: 65 Resp: 145354

Ion Ratio Lower Upper

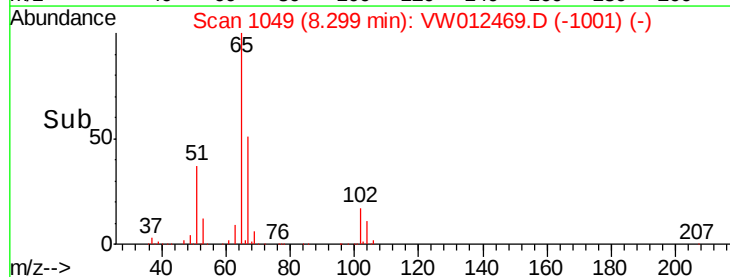
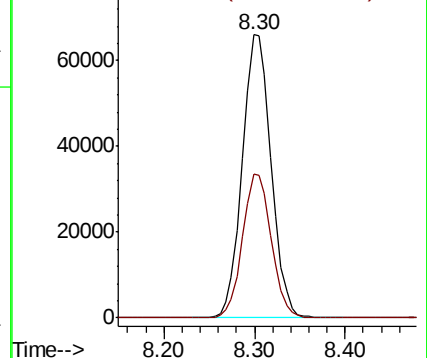
65 100

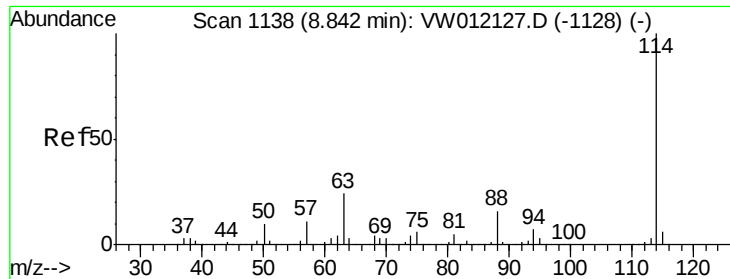
67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

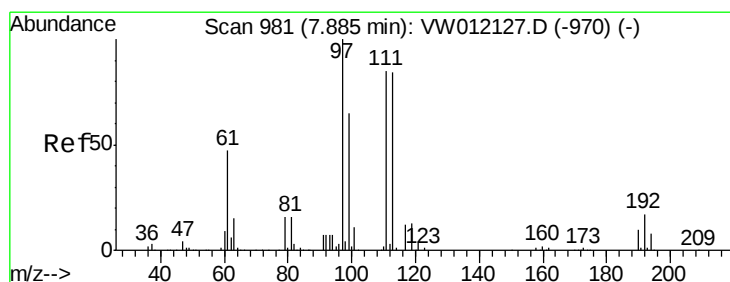
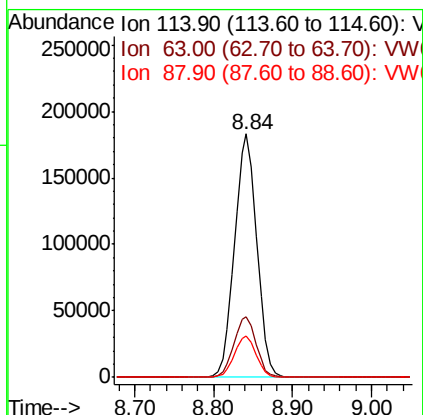
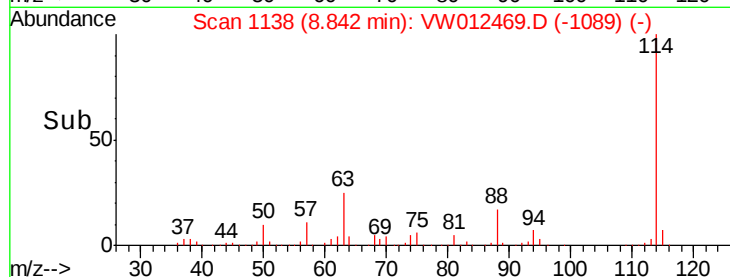
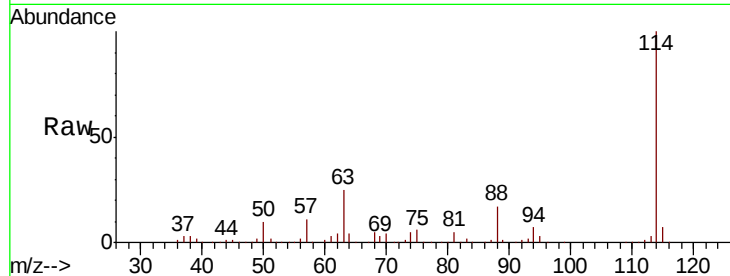




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

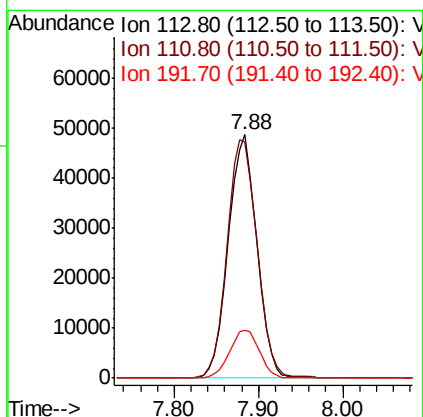
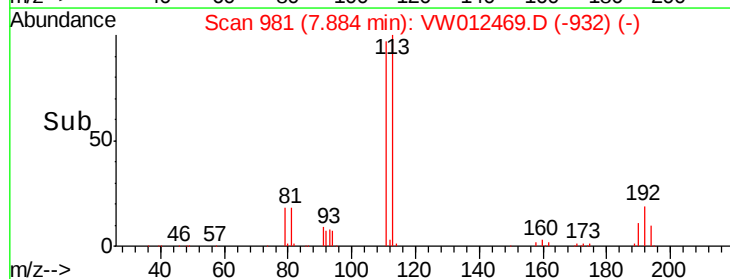
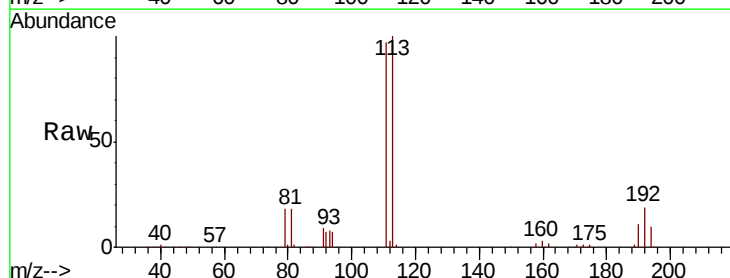
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N3-(1.9)

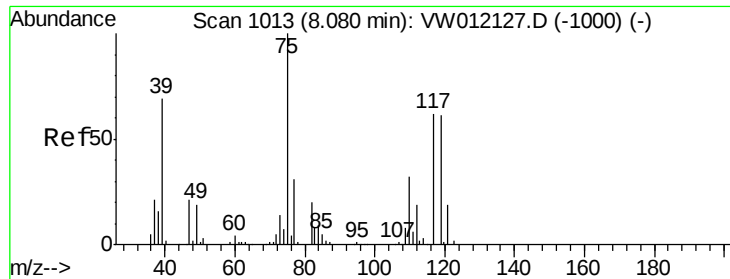
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	48.6
88	16.9	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 52.473 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.4	16.2	24.2

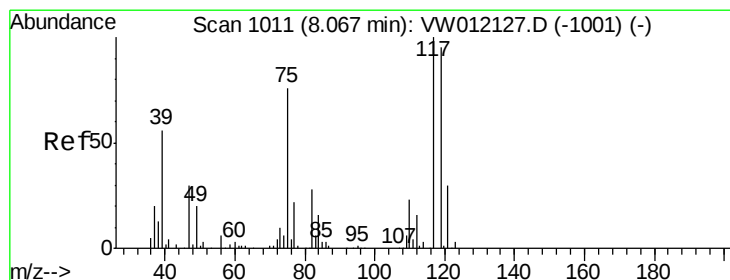
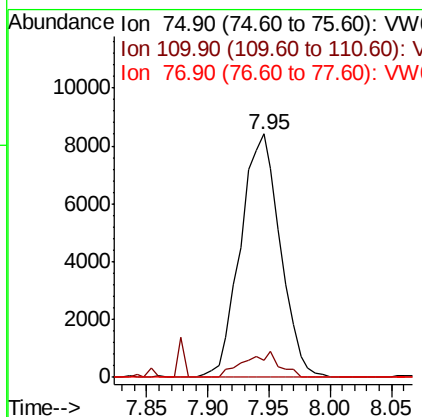
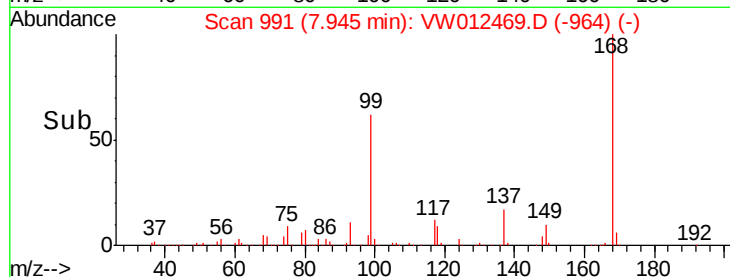
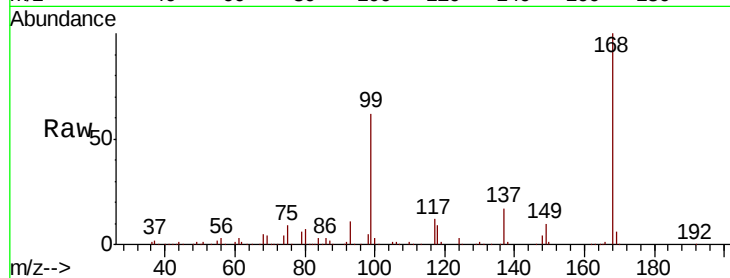




#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

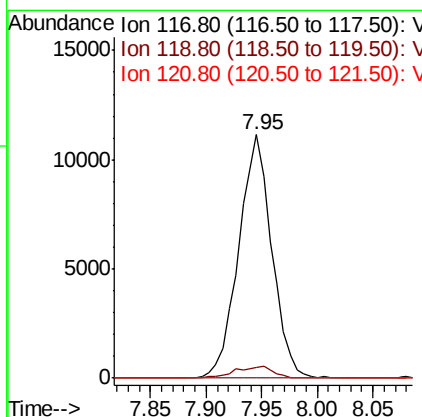
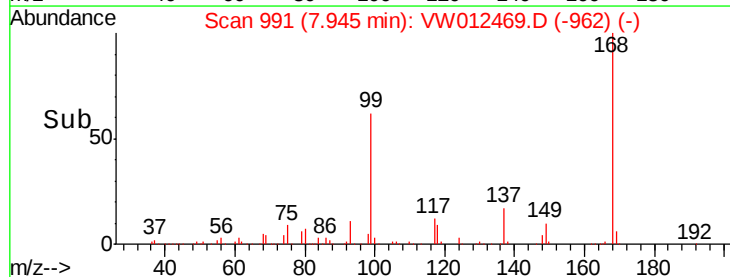
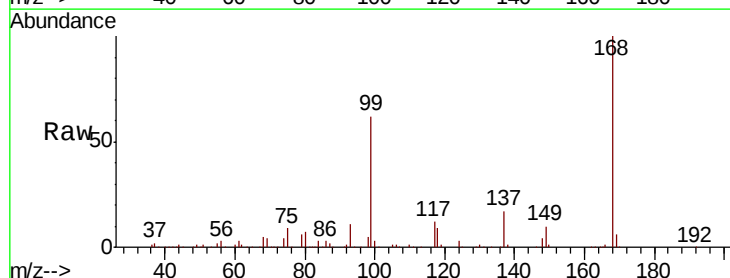
Instrument :
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 T9-12-13-N3-(1.9)

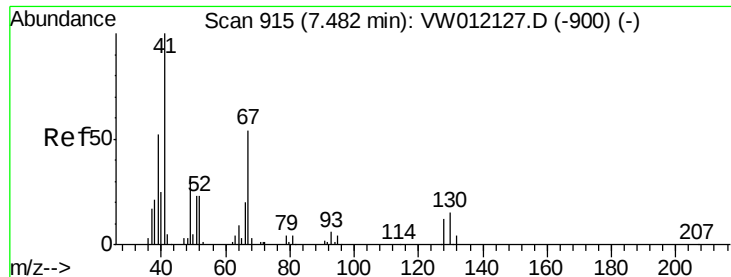
Tgt Ion: 75 Resp: 18999
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.139 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

Tgt Ion: 117 Resp: 22895
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.101 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N3-(1.9)

Tgt Ion: 41 Resp: 2507

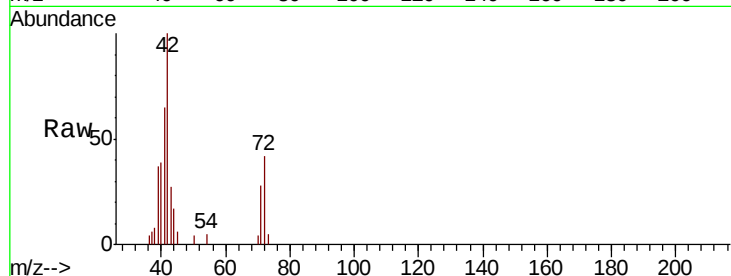
Ion Ratio Lower Upper

41 100

39 51.2 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

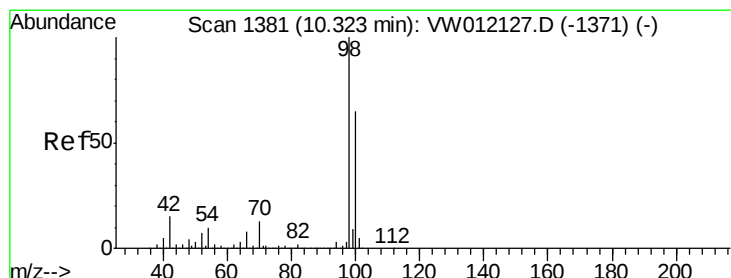
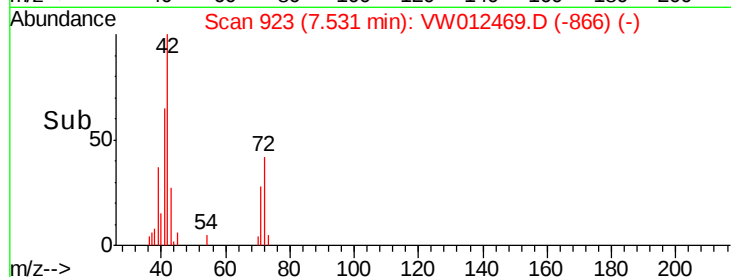
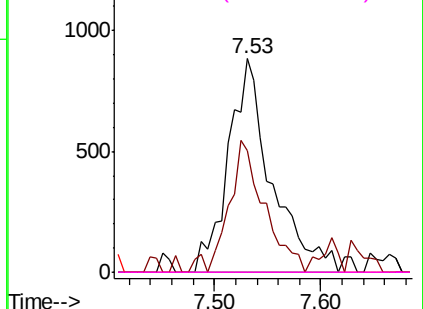


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.360 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012469.D

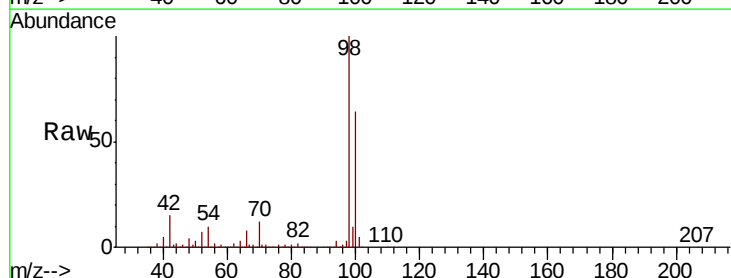
Acq: 02 Sep 2019 01:33

Tgt Ion: 98 Resp: 437039

Ion Ratio Lower Upper

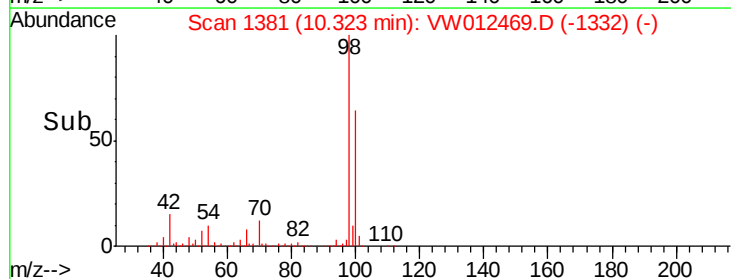
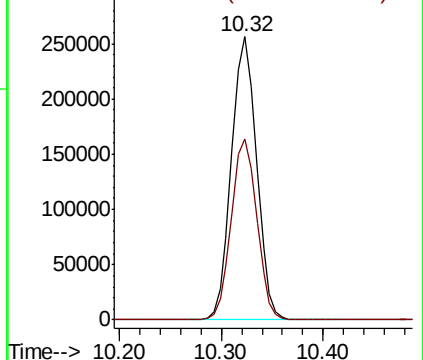
98 100

100 64.8 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: 40.551 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N3-(1.9)

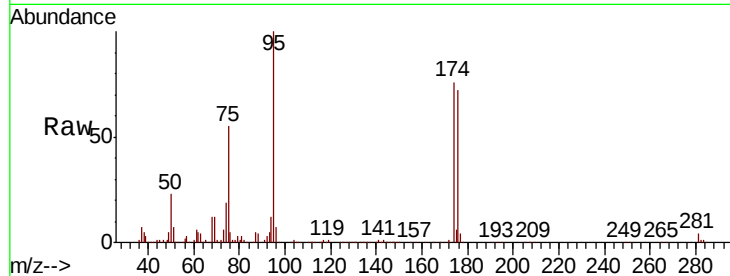
Tgt Ion: 95 Resp: 124051

Ion Ratio Lower Upper

95 100

174 79.2 0.0 150.8

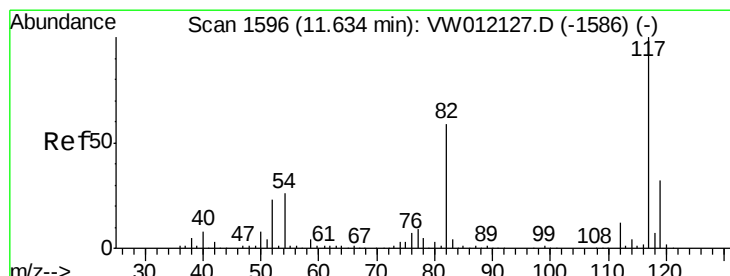
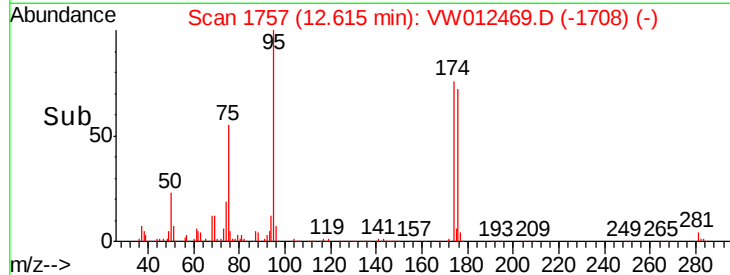
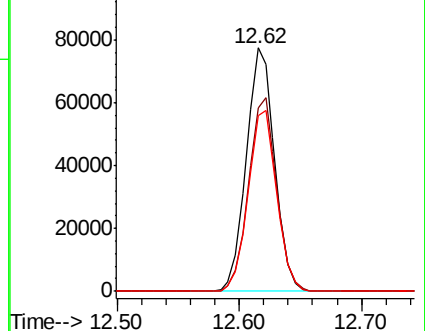
176 75.2 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

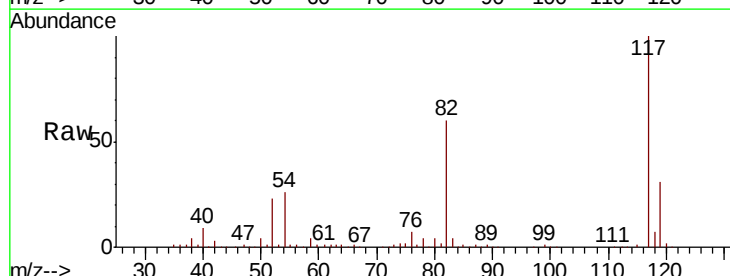
Tgt Ion: 117 Resp: 284091

Ion Ratio Lower Upper

117 100

82 60.1 47.4 71.2

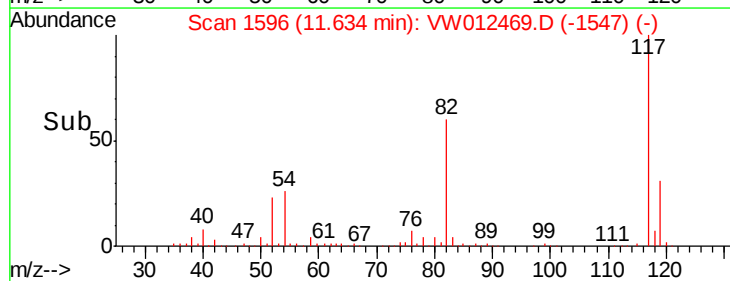
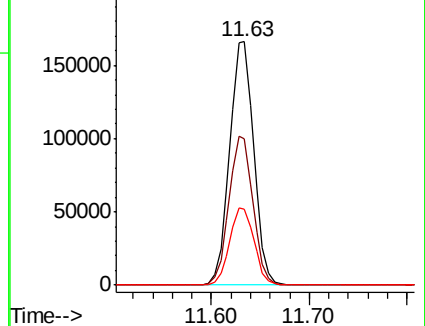
119 31.4 25.4 38.2

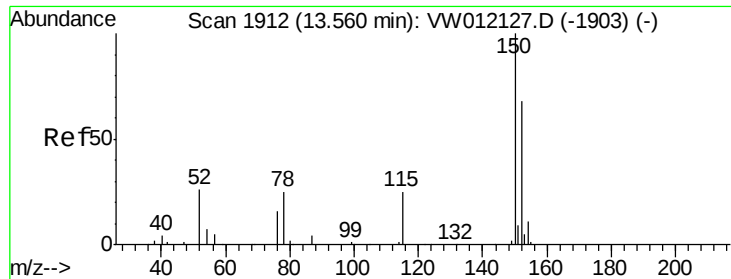


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012469.D

Acq: 02 Sep 2019 01:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N3-(1.9)

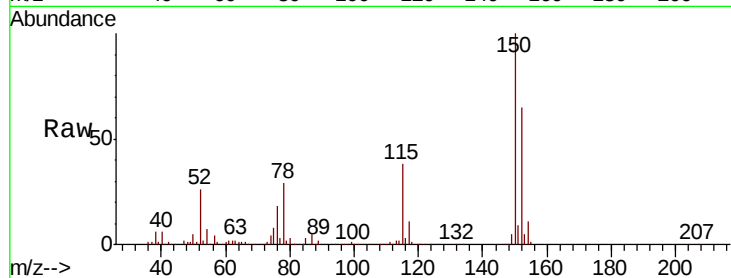
Tgt Ion:152 Resp: 97610

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

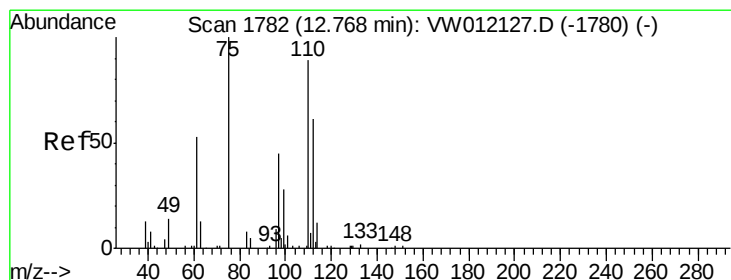
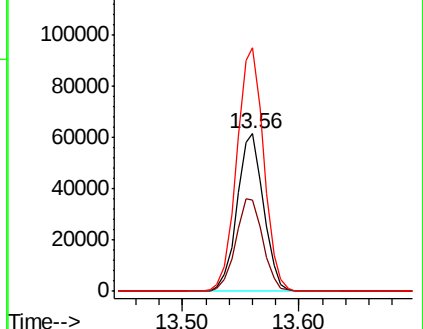
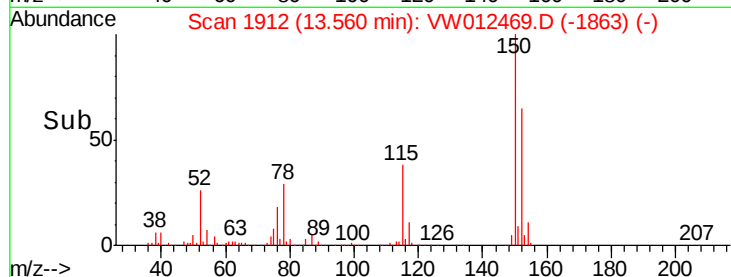
150 157.3 0.0 345.8



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: 72.588 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012469.D

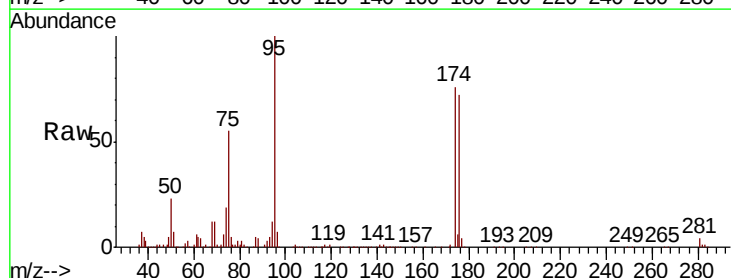
Acq: 02 Sep 2019 01:33

Tgt Ion: 75 Resp: 69006

Ion Ratio Lower Upper

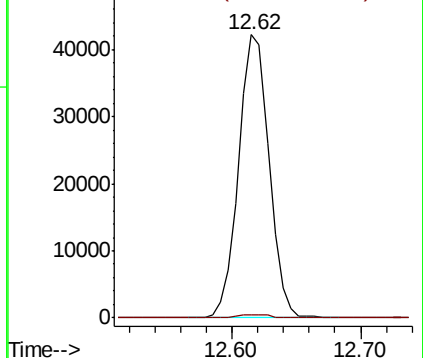
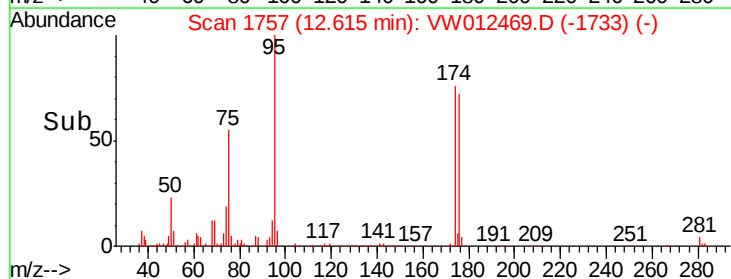
75 100

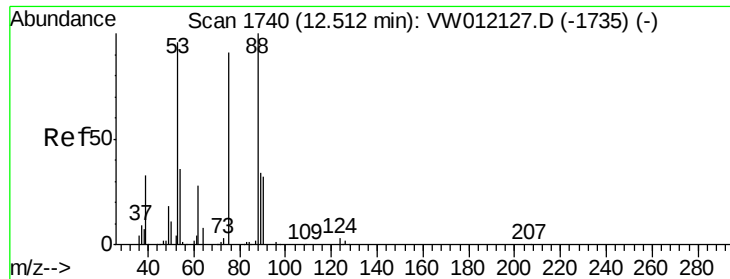
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

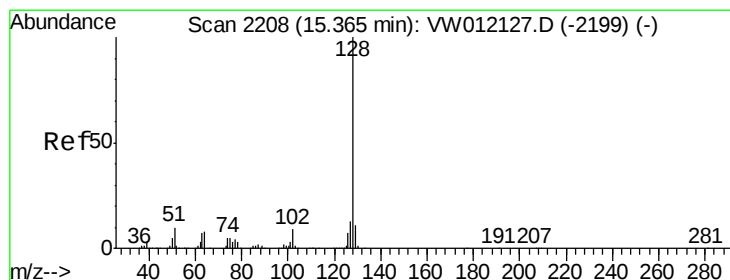
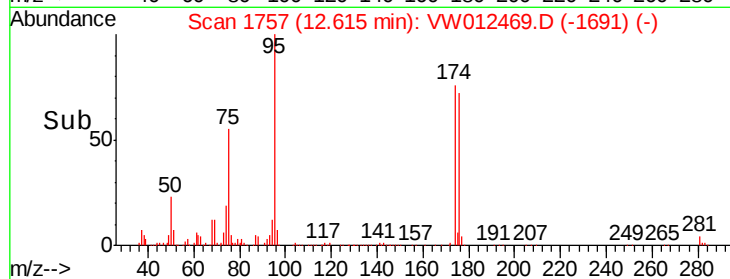
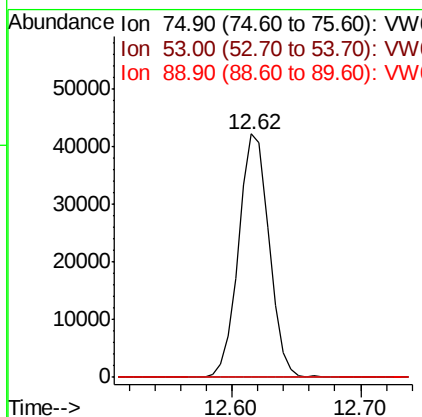
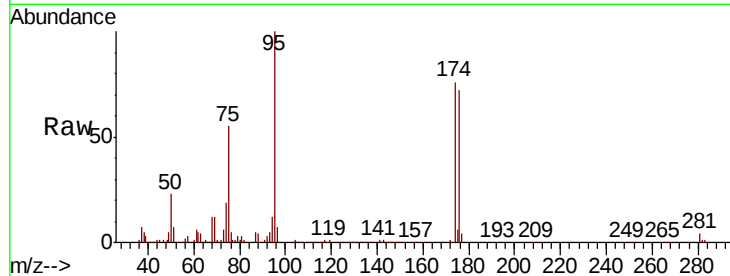




#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.152 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N3-(1.9)

Tgt Ion: 75 Resp: 69006
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.423 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012469.D
 Acq: 02 Sep 2019 01:33

Tgt Ion: 128 Resp: 410
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.7 16.1
 129 0.0 8.7 13.1#

