

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012613.D
 Acq On : 05 Sep 2019 02:42
 Operator : SY/VA
 Sample : K4547-02
 Misc : 4.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(0)

Quant Time: Sep 05 07:04:27 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	262109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	91589	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	177993	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.88	113	135362	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	10.32	98	504132	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.62	95	133836	36.86	ug/l	0.00
Spiked Amount			Recovery	=	73.72%	

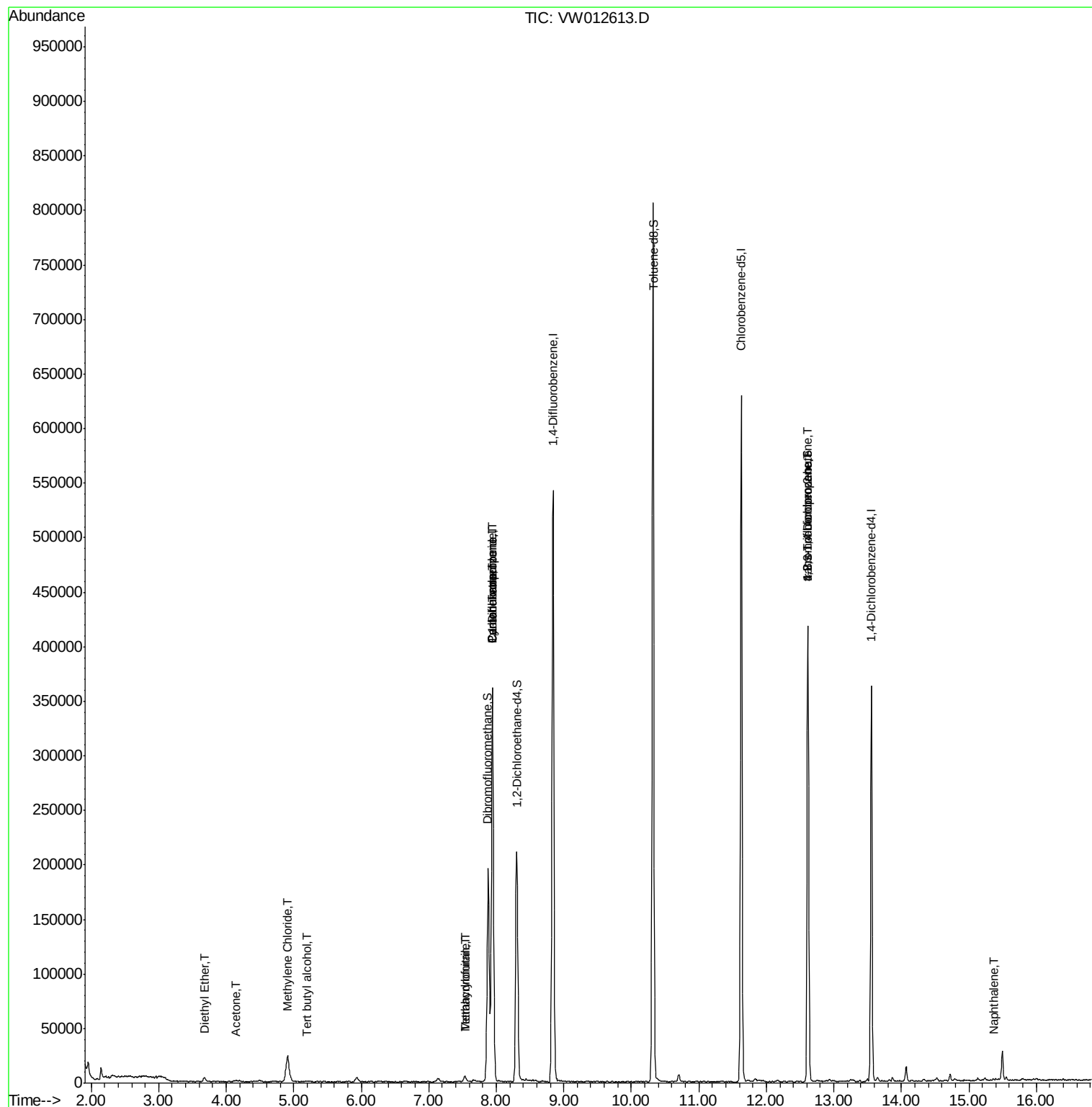
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2091	1.434	ug/l	82
11) Tert butyl alcohol	5.18	59	438	2.336	ug/l #	40
16) Acetone	4.14	43	1702	2.137	ug/l	95
20) Methylene Chloride	4.91	84	16179	5.373	ug/l	89
29) Tetrahydrofuran	7.54	42	4586	7.063	ug/l #	83
31) Cyclohexane	7.94	56	6457	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21445	4.876	ug/l #	53
38) Carbon Tetrachloride	7.95	117	25899	6.804	ug/l #	17
41) Methacrylonitrile	7.54	41	2961	2.090	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	73832	82.770	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73832	181.477	ug/l #	6
95) Naphthalene	15.37	128	1177	4.632	ug/l #	77

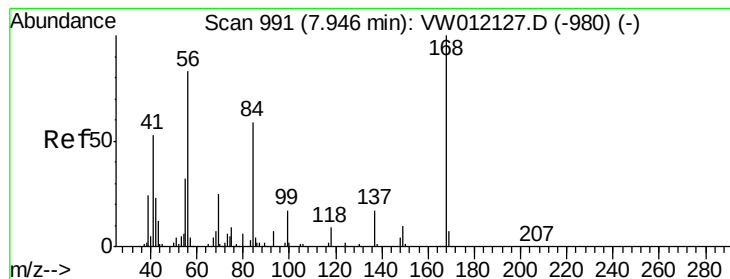
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012613.D

Acq: 05 Sep 2019 02:42

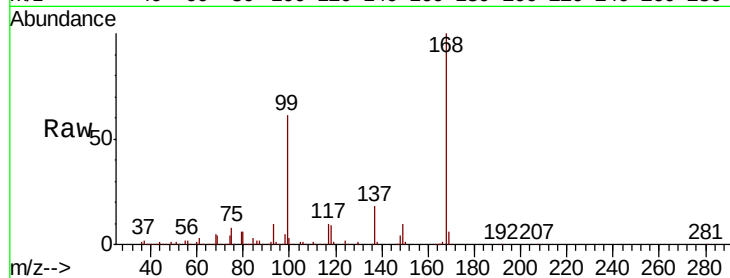
Instrument :
MSVOA_W
ClientSampleId :
T3-S-D-(0)

Tgt Ion:168 Resp: 262109

Ion Ratio Lower Upper

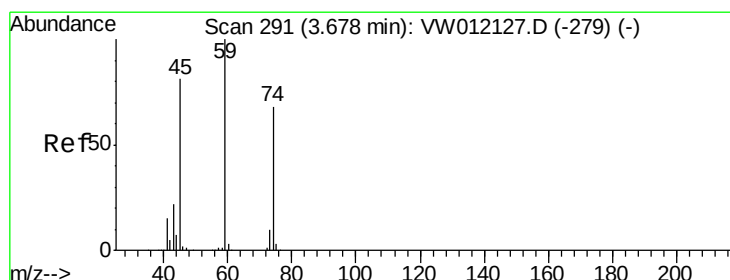
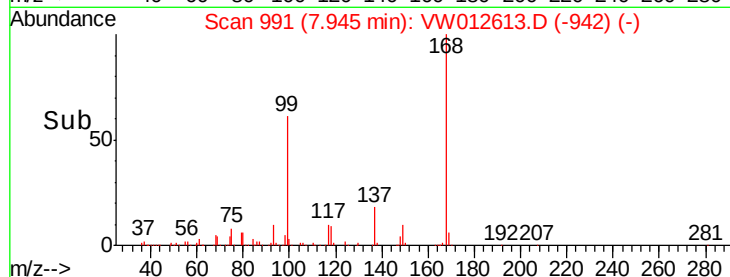
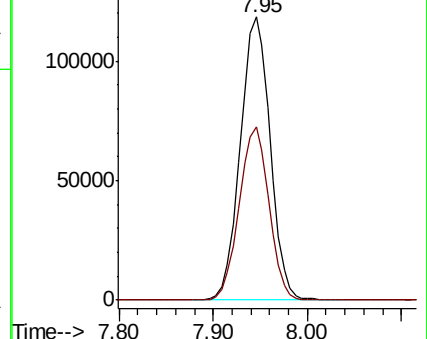
168 100

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



#8

Diethyl Ether

Concen: 1.434 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012613.D

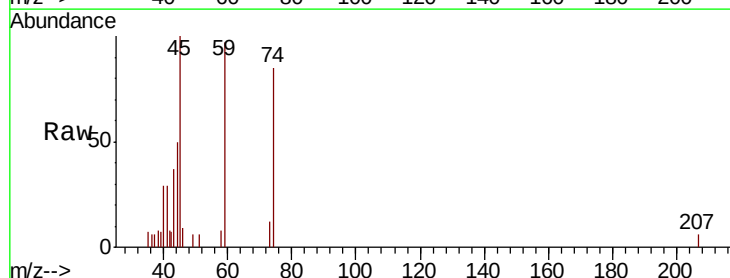
Acq: 05 Sep 2019 02:42

Tgt Ion: 74 Resp: 2091

Ion Ratio Lower Upper

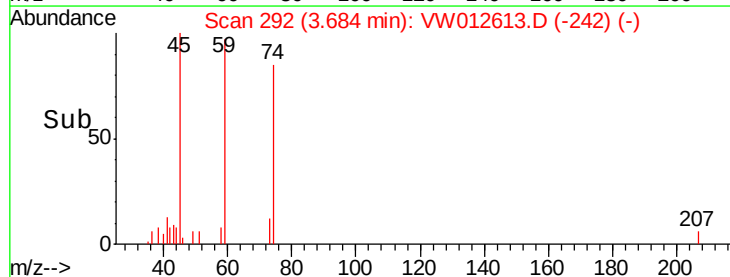
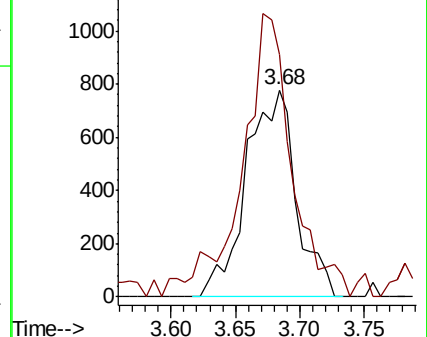
74 100

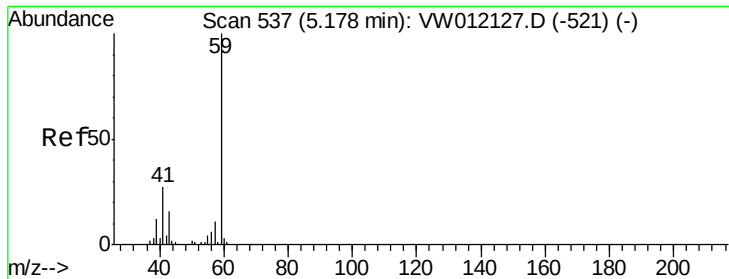
45 137.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

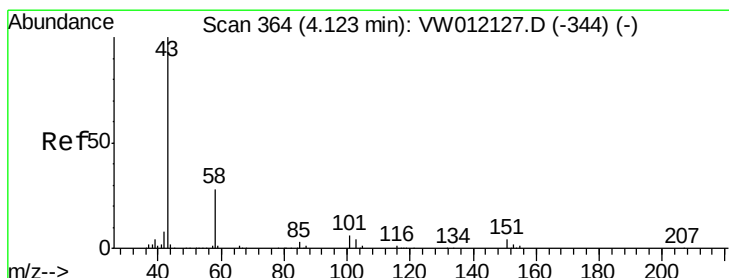
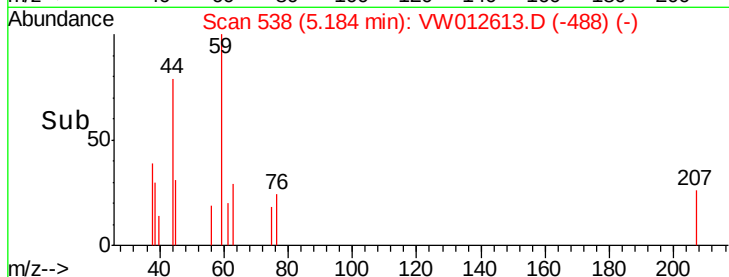
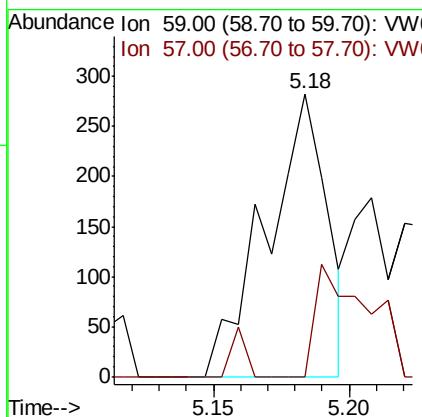
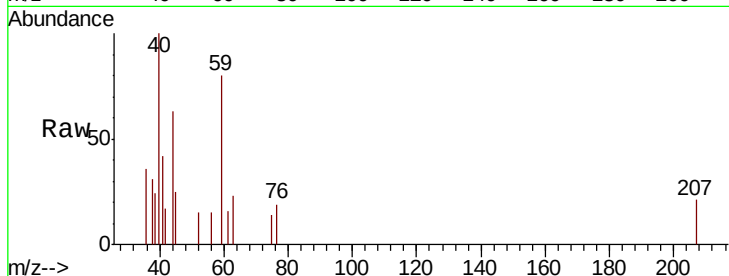




#11
Tert butyl alcohol
Concen: 2.336 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

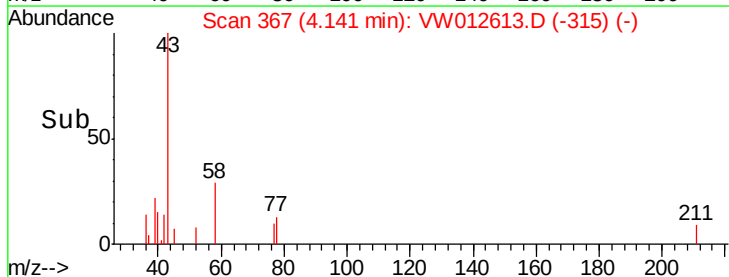
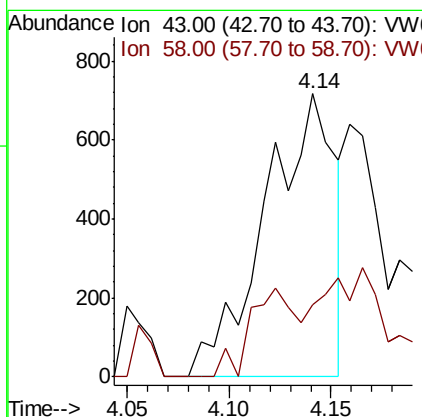
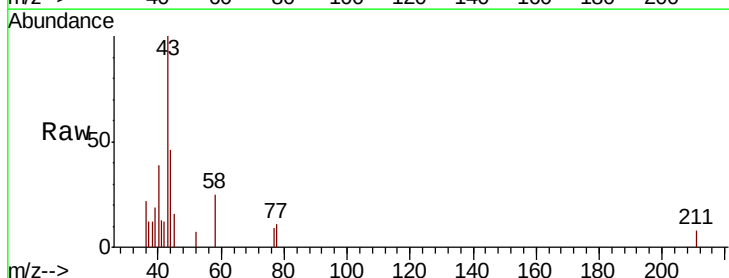
Instrument :
MSVOA_W
ClientSampled :
T3-S-D(0)

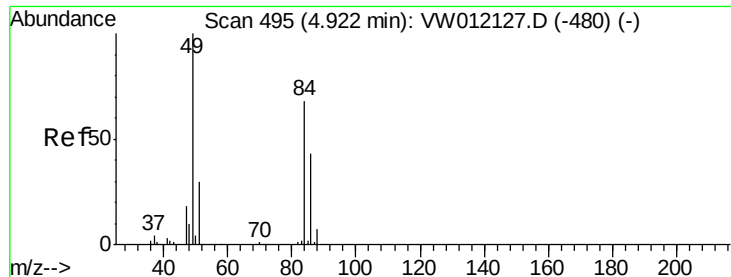
Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 34.2 9.0 13.4#



#16
Acetone
Concen: 2.137 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 25.4 22.4 33.6

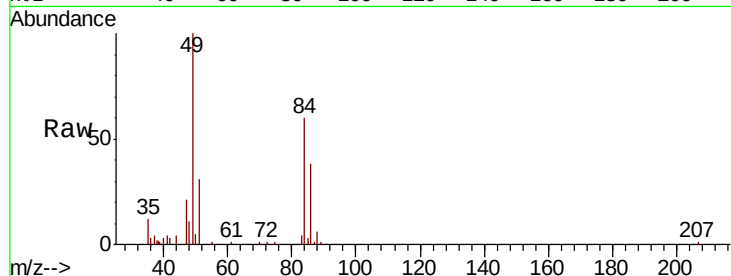




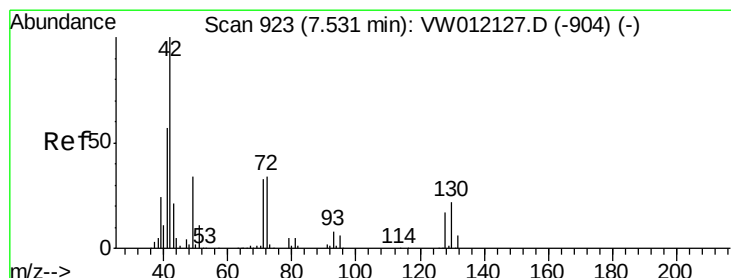
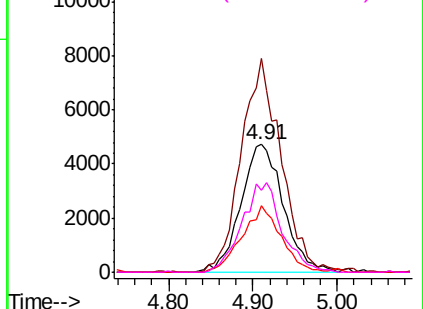
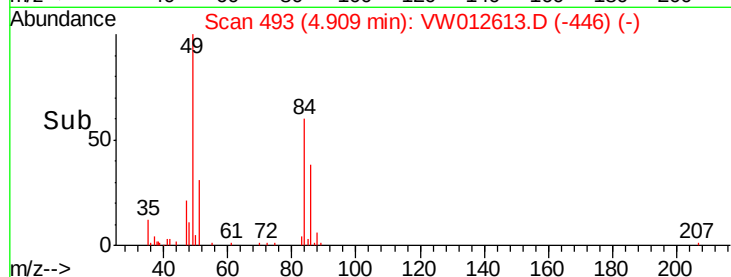
#20
Methylene Chloride
Concen: 5.373 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Instrument :
MSVOA_W
ClientSampleId :
T3-S-D-(0)

Tgt Ion: 84 Resp: 16179
Ion Ratio Lower Upper
84 100
49 167.4 117.8 176.8
51 51.8 35.6 53.4
86 64.0 51.2 76.8

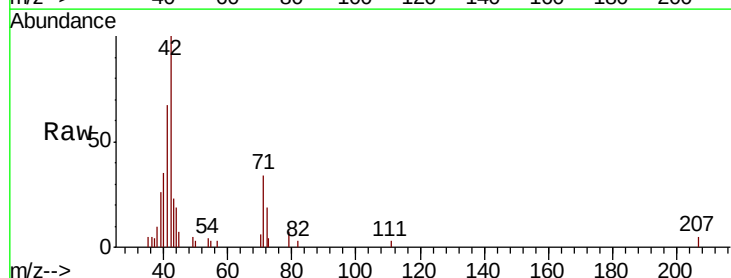


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

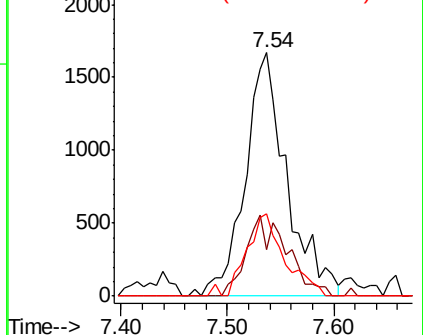
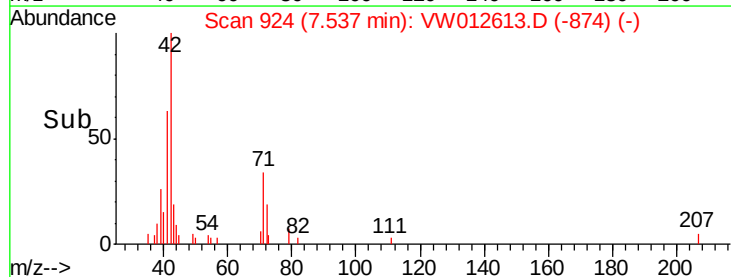


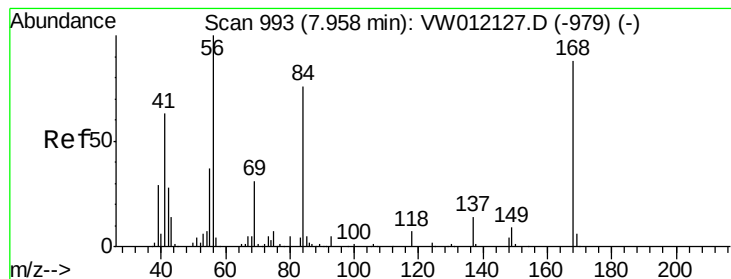
#29
Tetrahydrofuran
Concen: 7.063 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Tgt Ion: 42 Resp: 4586
Ion Ratio Lower Upper
42 100
72 16.2 27.3 40.9#
71 30.3 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: 1.151 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012613.D

Acq: 05 Sep 2019 02:42

Instrument :

MSVOA_W

ClientSampled :

T3-S-D(0)

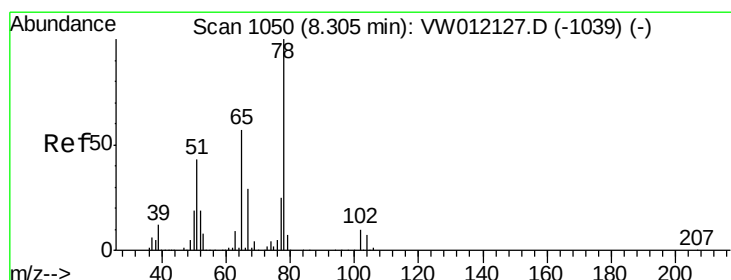
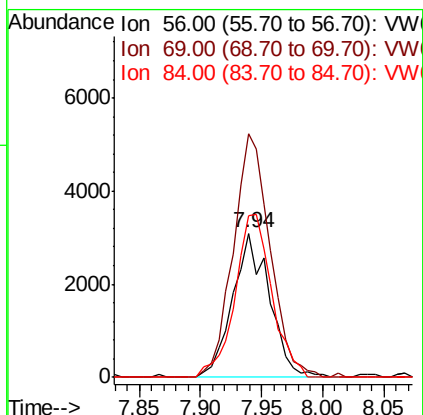
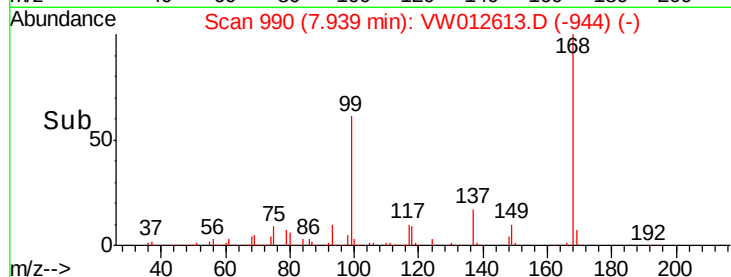
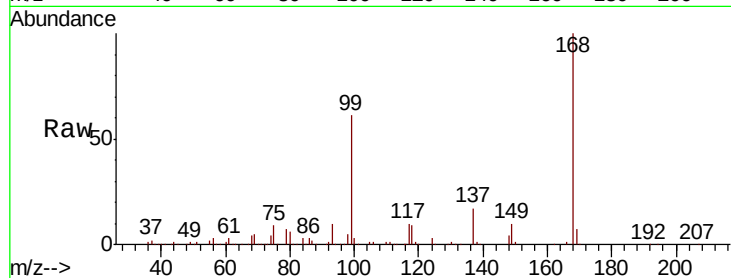
Tgt Ion: 56 Resp: 6457

Ion Ratio Lower Upper

56 100

69 169.2 24.9 37.3#

84 112.3 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 57.125 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012613.D

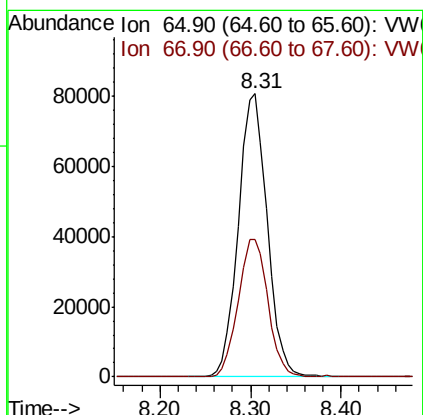
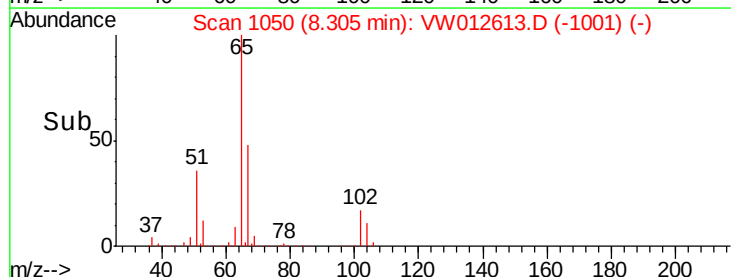
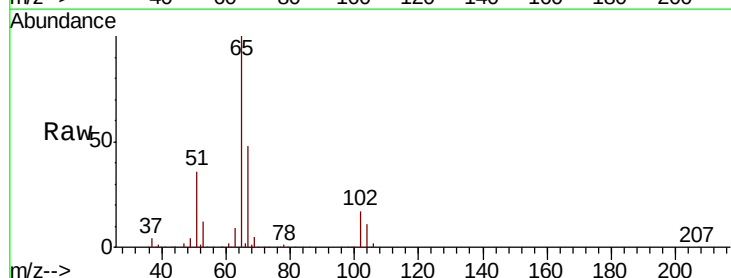
Acq: 05 Sep 2019 02:42

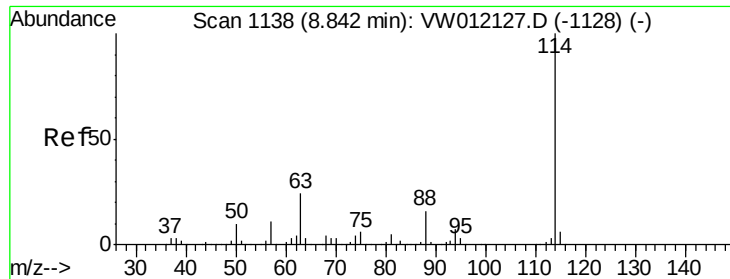
Tgt Ion: 65 Resp: 177993

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.6

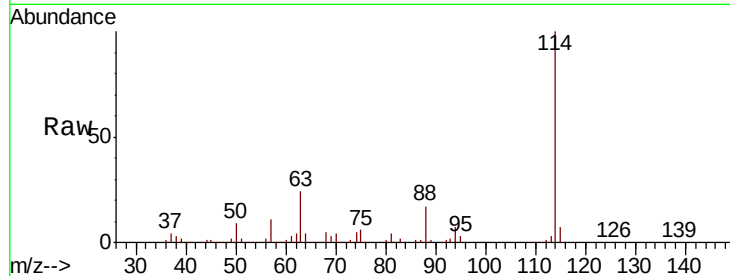




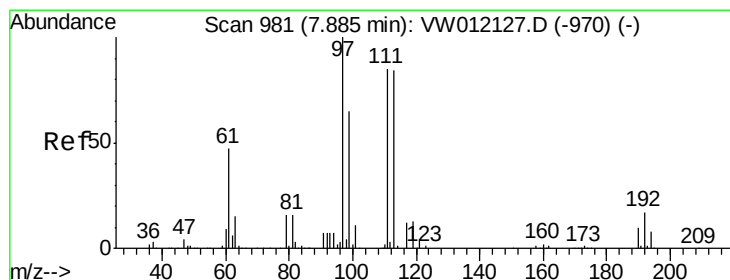
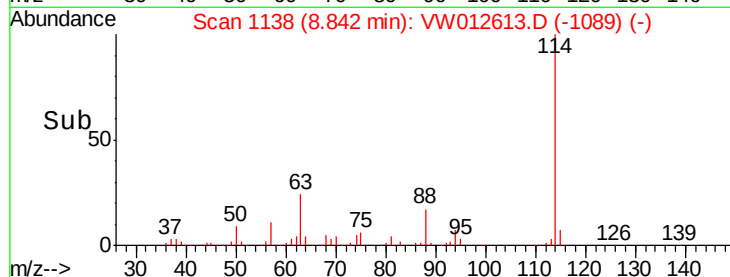
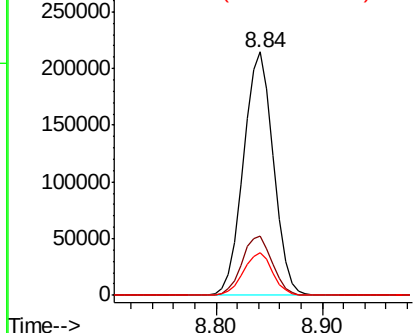
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(0)

Tgt Ion:114 Resp: 425577
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 17.3 0.0 32.2

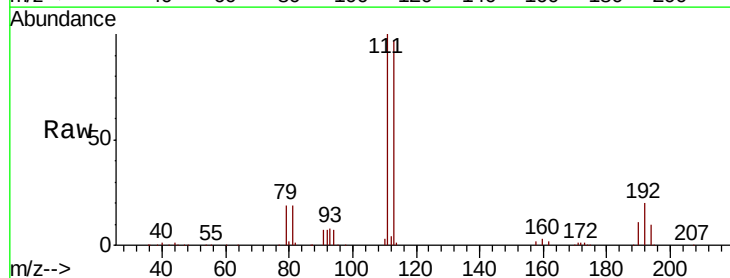


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

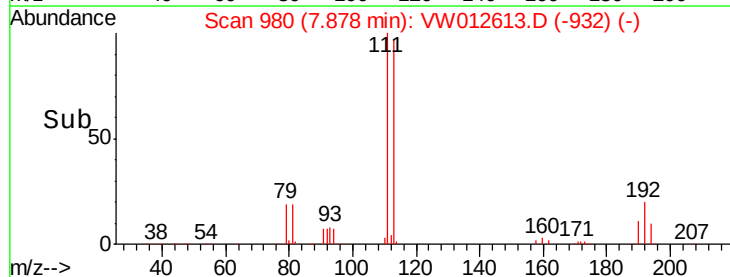
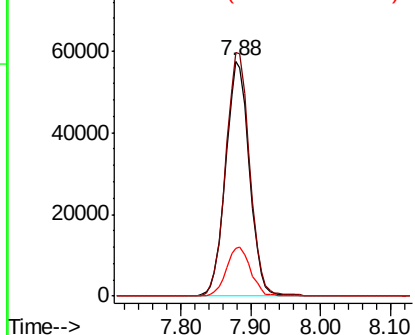


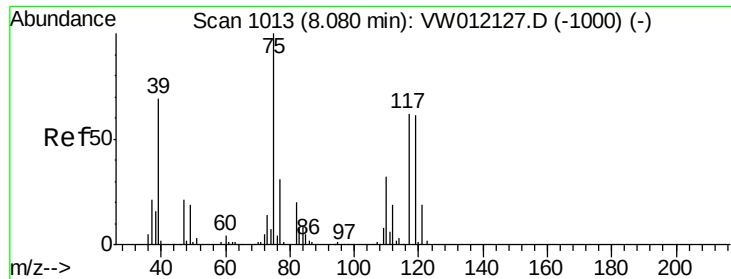
#35
 Dibromofluoromethane
 Concen: 53.286 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

Tgt Ion:113 Resp: 135362
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.7 124.1
 192 21.3 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

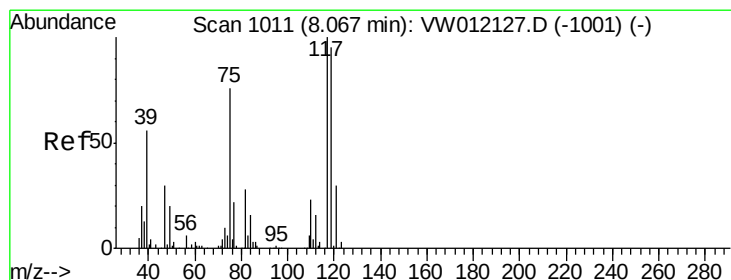
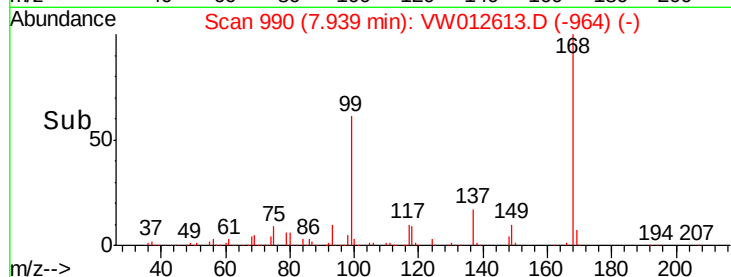
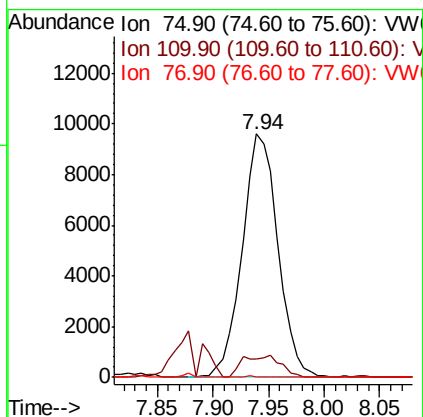
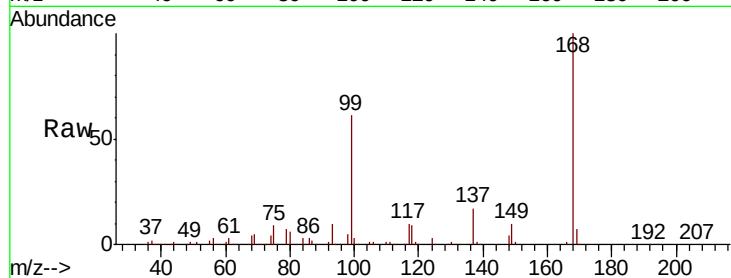




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

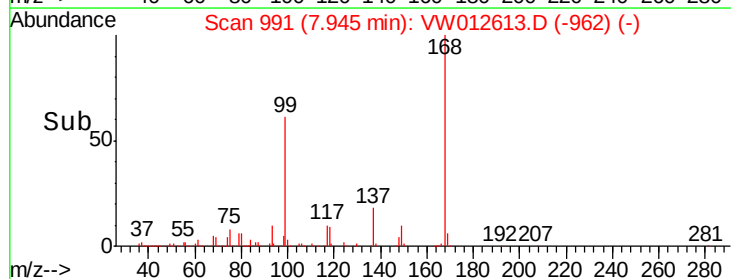
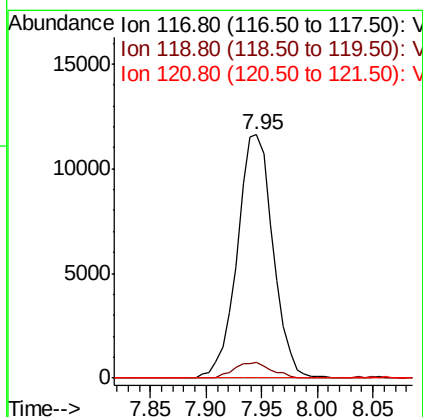
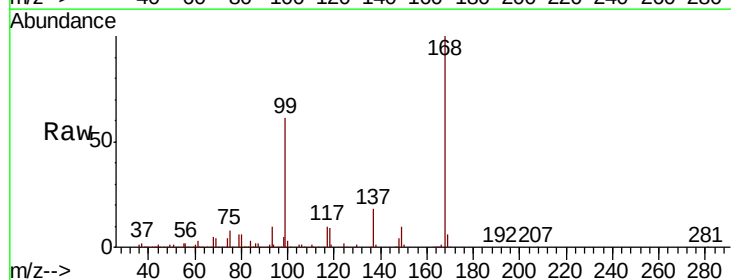
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(0)

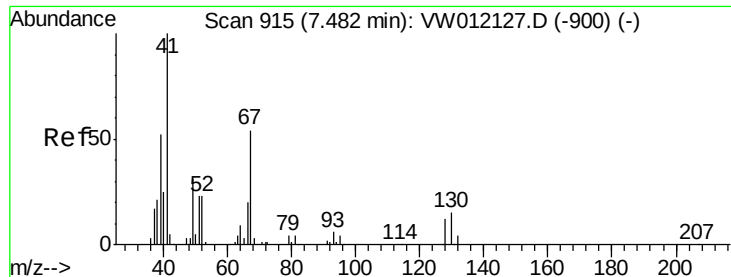
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.804 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.090 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012613.D

Acq: 05 Sep 2019 02:42

Instrument :

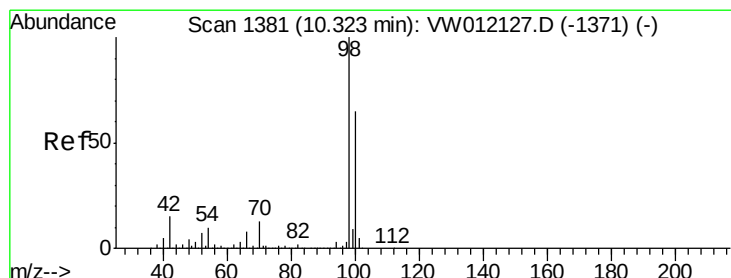
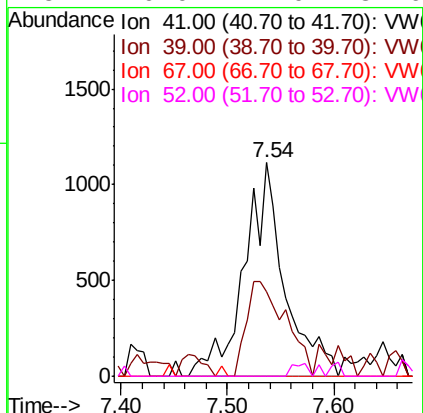
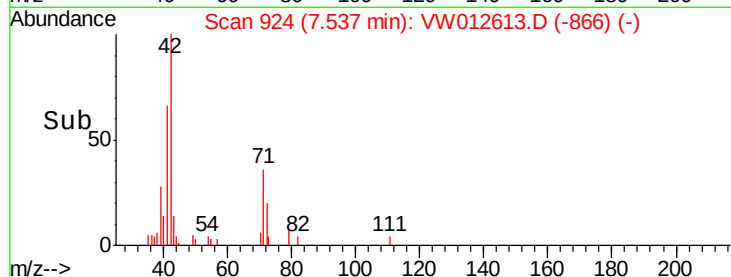
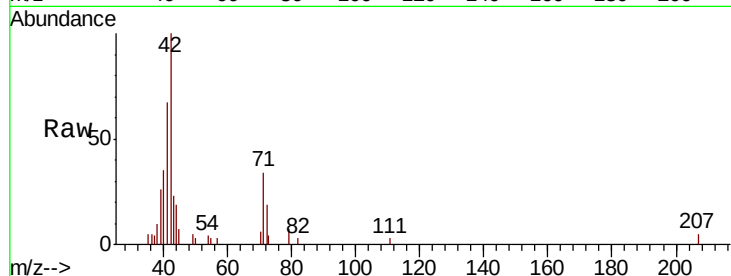
MSVOA_W

ClientSampleId :

T3-S-D-(0)

Tgt Ion: 41 Resp: 2961

Ion	Ratio	Lower	Upper
41	100		
39	43.0	45.8	68.8#
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 48.944 ug/l

RT: 10.32 min Scan# 1381

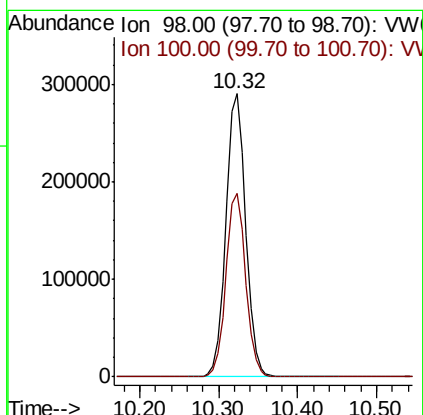
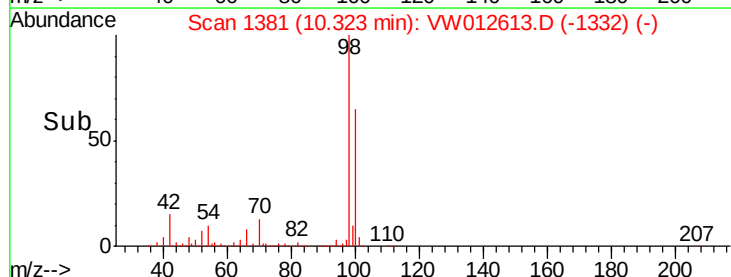
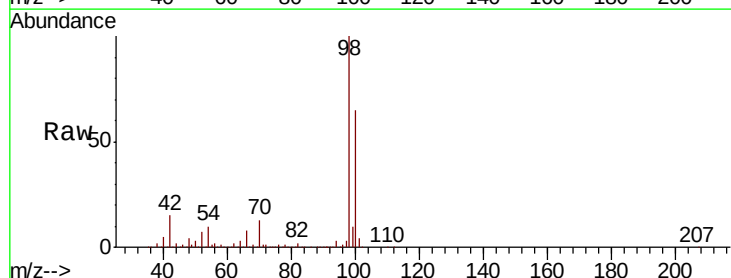
Delta R.T. -0.00 min

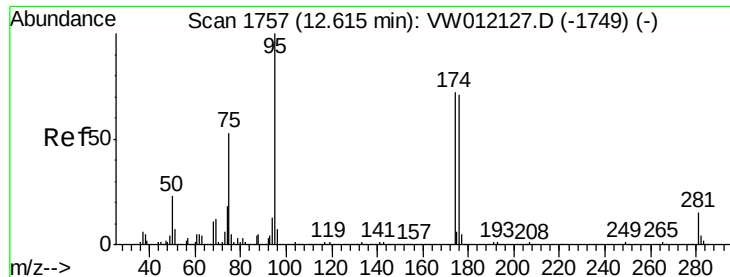
Lab File: VW012613.D

Acq: 05 Sep 2019 02:42

Tgt Ion: 98 Resp: 504132

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

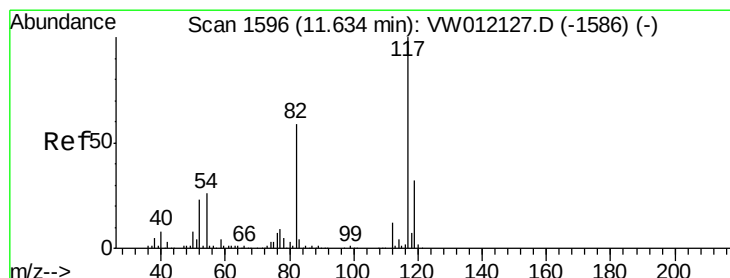
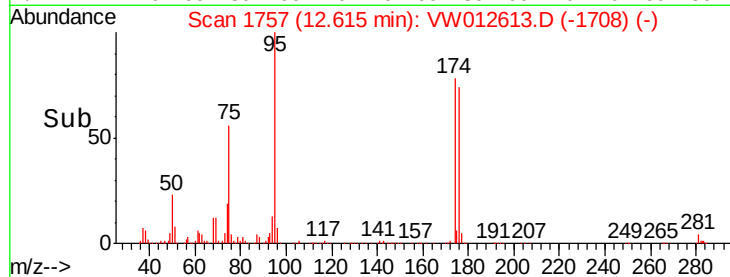
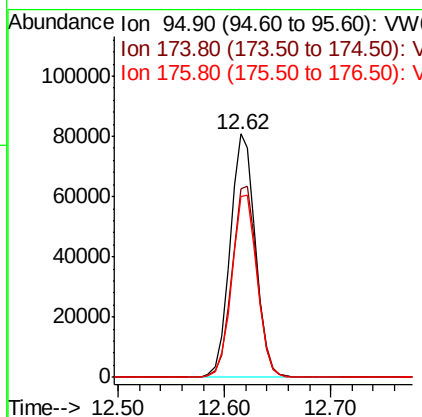
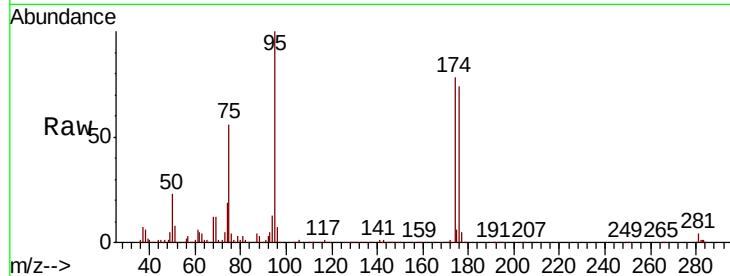




#62
4-Bromofluorobenzene
Concen: 36.862 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

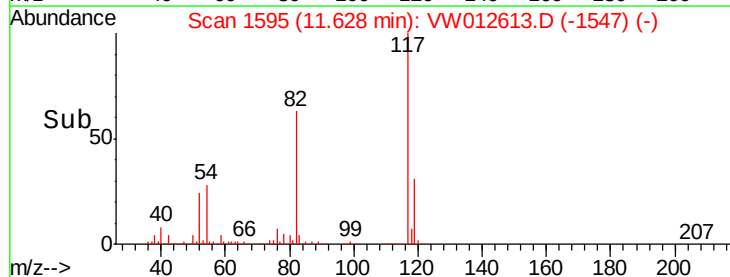
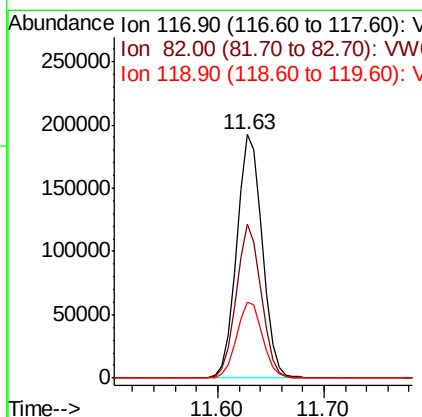
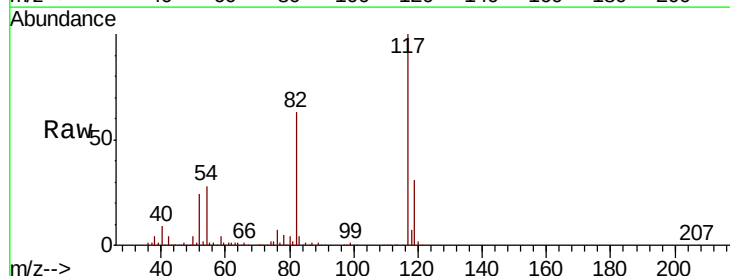
Instrument :
MSVOA_W
ClientSampled :
T3-S-D-(0)

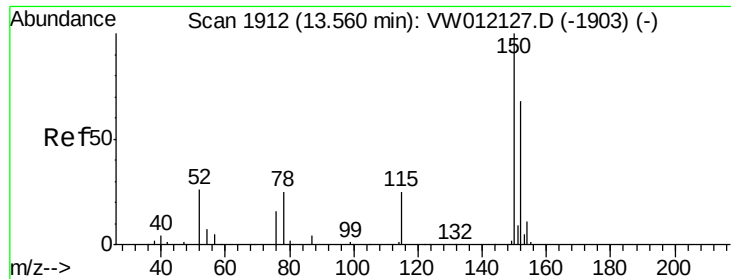
Tgt Ion: 95 Resp: 133836
Ion Ratio Lower Upper
95 100
174 79.1 0.0 150.8
176 75.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Tgt Ion: 117 Resp: 324164
Ion Ratio Lower Upper
117 100
82 63.1 47.4 71.2
119 31.0 25.4 38.2



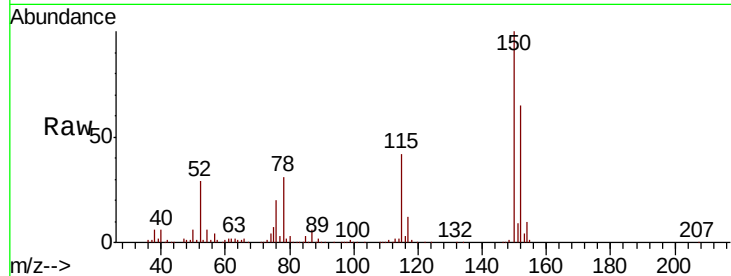


#72

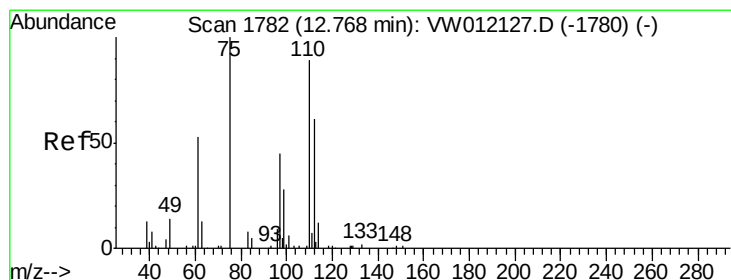
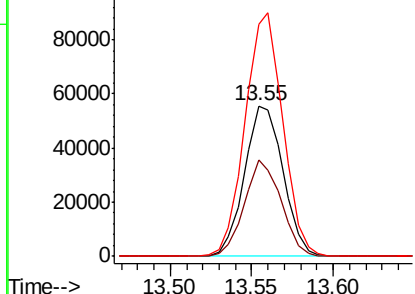
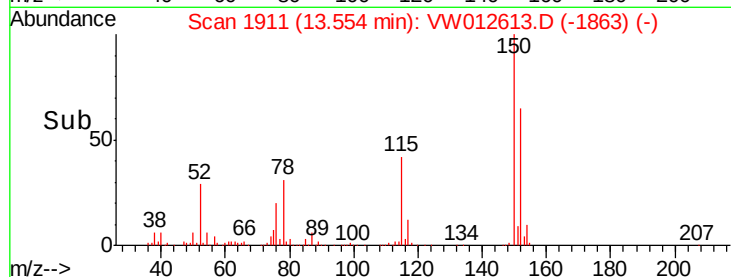
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Instrument :
MSVOA_W
ClientSampleId :
T3-S-D(0)

Tgt Ion:152 Resp: 91589
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 157.9 0.0 345.8



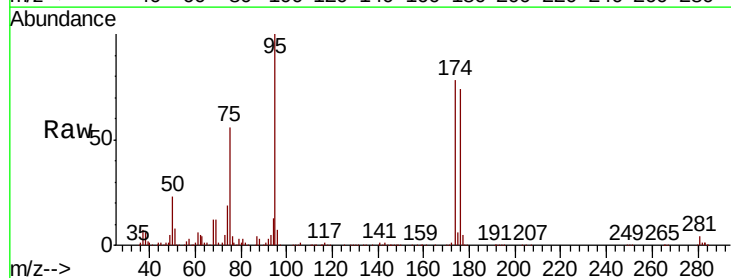
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



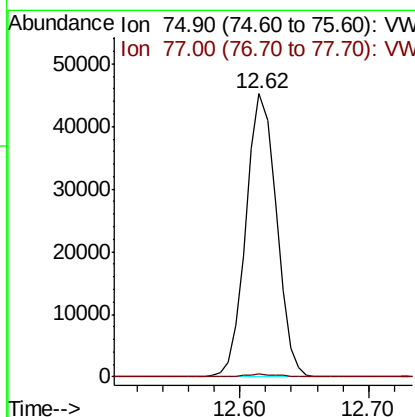
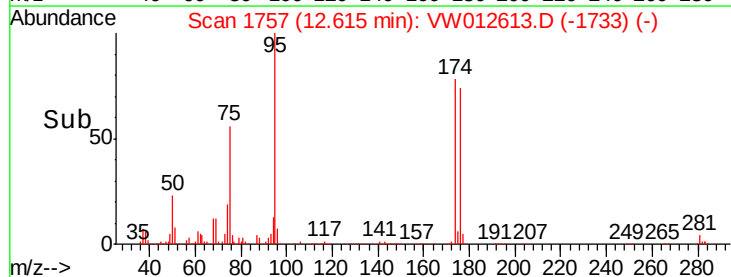
#76

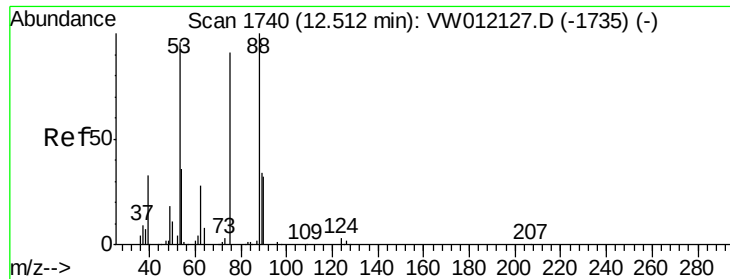
1,2,3-Trichloropropane
Concen: 82.770 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012613.D
Acq: 05 Sep 2019 02:42

Tgt Ion: 75 Resp: 73832
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

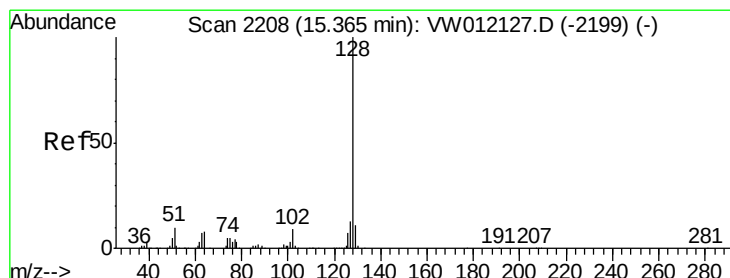
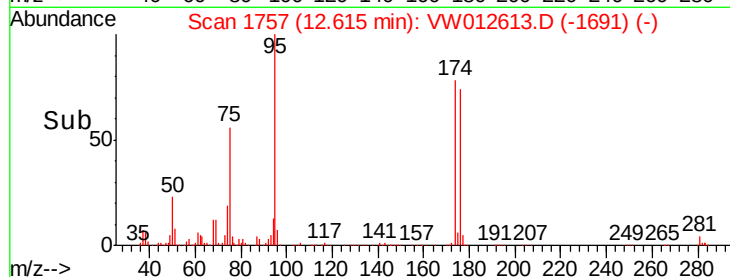
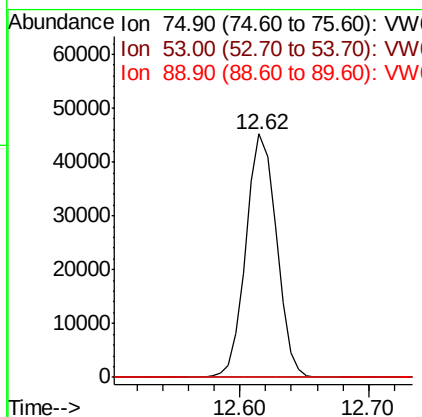
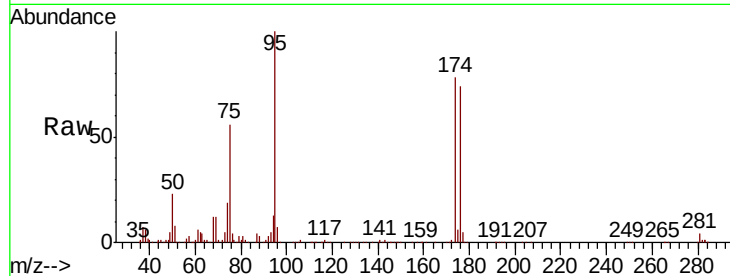




#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.477 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(0)

Tgt Ion: 75 Resp: 73832
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#



#95
 Naphthalene
 Concen: 4.632 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012613.D
 Acq: 05 Sep 2019 02:42

Tgt Ion: 128 Resp: 1177
 Ion Ratio Lower Upper
 128 100
 127 6.2 10.7 16.1#
 129 0.0 8.7 13.1#

