

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012063.D
 Acq On : 21 Aug 2019 11:26
 Operator : SY/VA
 Sample : K4387-08RE
 Misc : 6.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(2)RE

Quant Time: Aug 22 05:13:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	211117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47741	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	115653	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
35) Dibromofluoromethane	7.88	113	96305	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
50) Toluene-d8	10.32	98	345465	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.62	95	81930	31.80	ug/l	0.00
Spiked Amount			Recovery	=	63.60%	

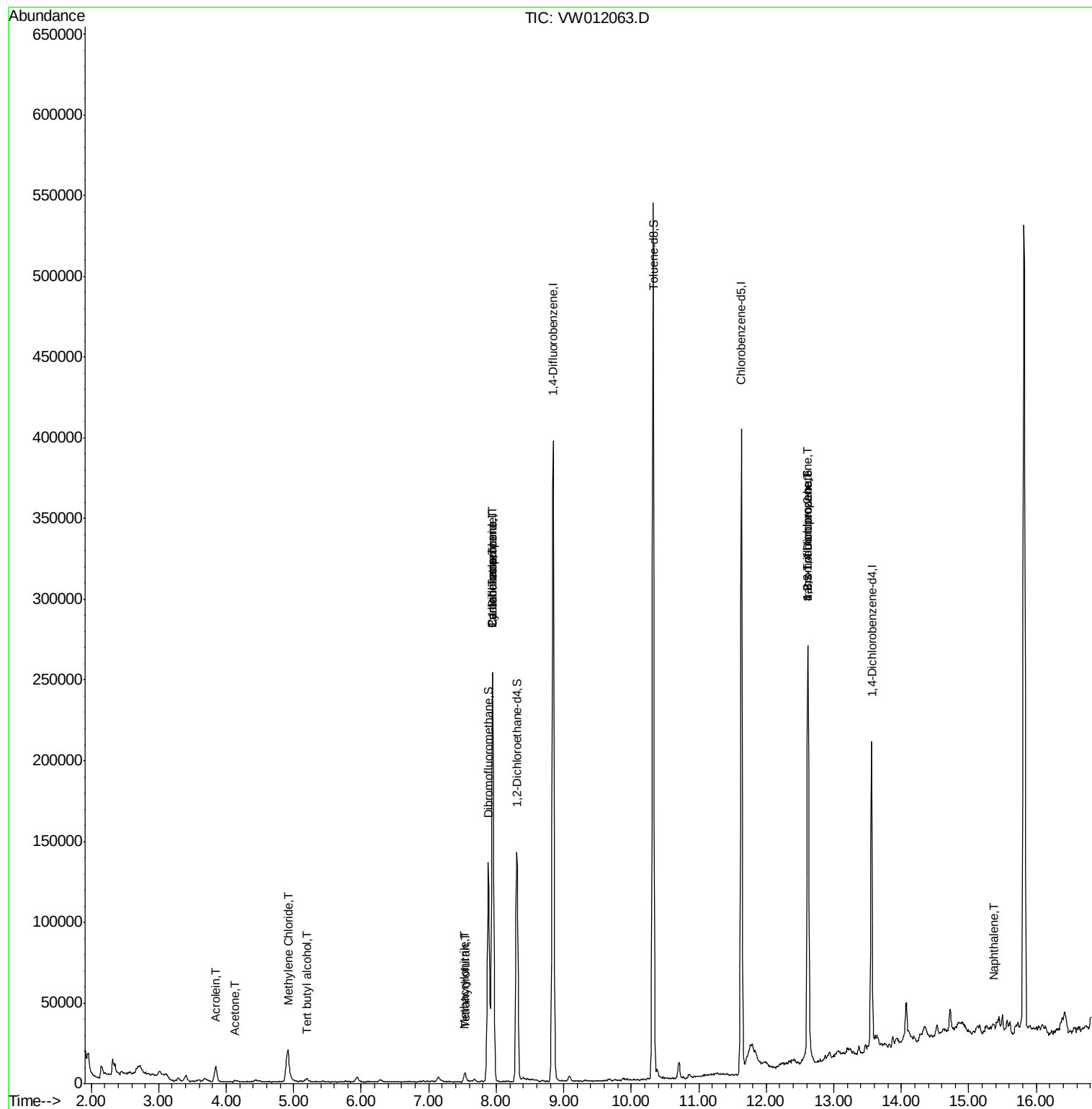
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	3643	5.152	ug/l #	79
13) Acrolein	3.85	56	326	2.082	ug/l #	1
16) Acetone	4.13	43	1249	1.799	ug/l #	77
20) Methylene Chloride	4.92	84	13796	5.762	ug/l	99
29) Tetrahydrofuran	7.54	42	4950	9.532	ug/l	98
31) Cyclohexane	7.95	56	4863	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16461	5.032	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18809	6.717	ug/l #	16
41) Methacrylonitrile	7.52	41	3089	2.746	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	43223	85.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43223	197.195	ug/l #	6
95) Naphthalene	15.37	128	1230	2.692	ug/l #	85

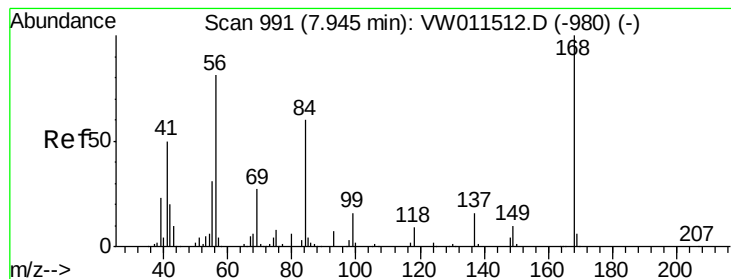
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012063.D

Acq: 21 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

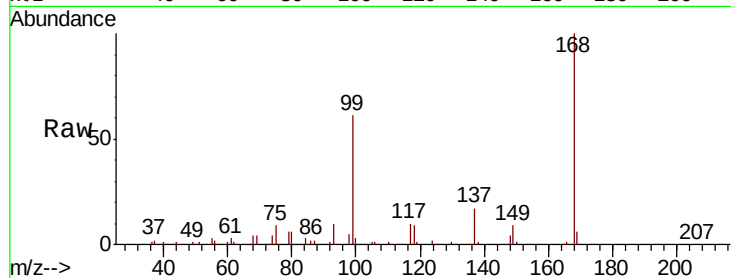
T6-D-(2)RE

Tgt Ion:168 Resp: 190082

Ion Ratio Lower Upper

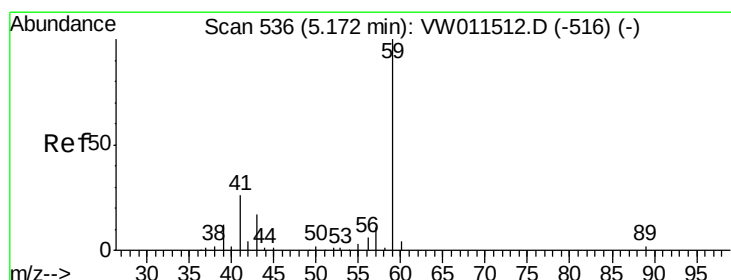
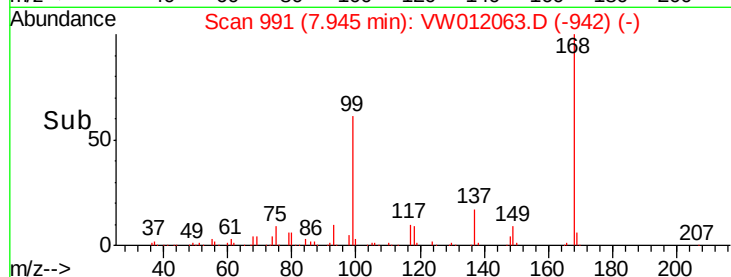
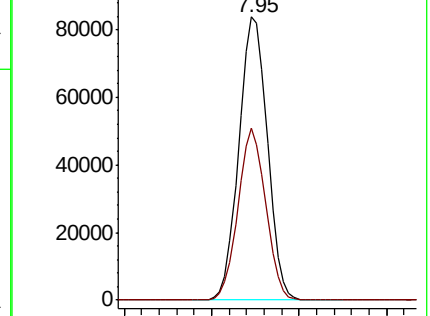
168 100

99 60.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.152 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW012063.D

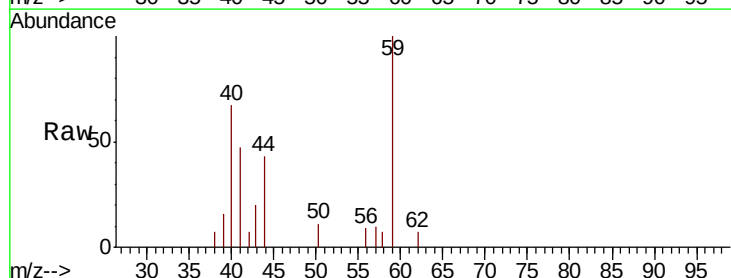
Acq: 21 Aug 2019 11:26

Tgt Ion: 59 Resp: 3643

Ion Ratio Lower Upper

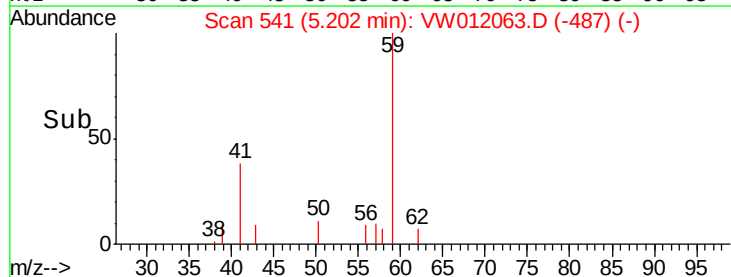
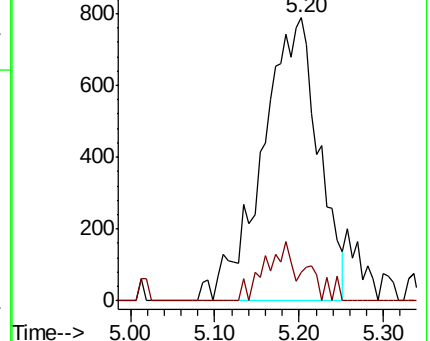
59 100

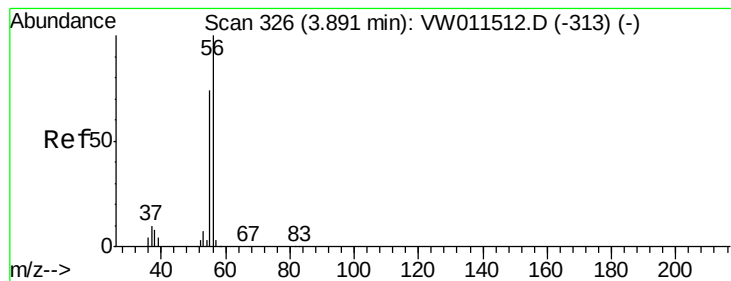
57 2.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.082 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

Lab File: VW012063.D

Acq: 21 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

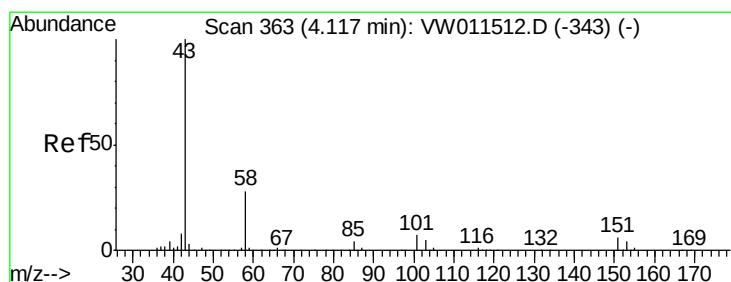
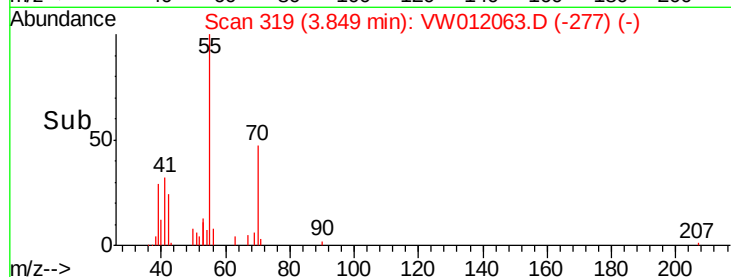
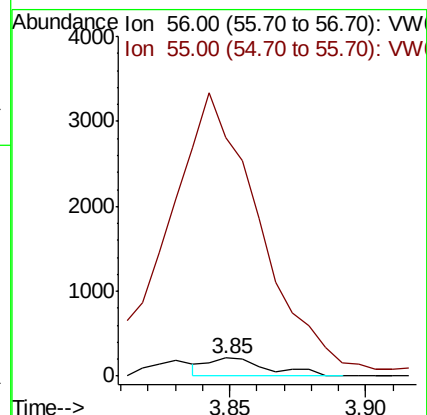
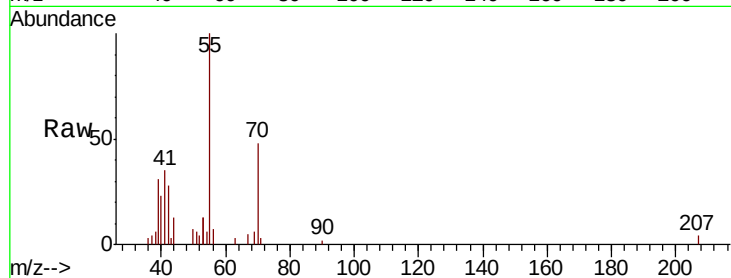
T6-D-(2)RE

Tgt Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 2513.8 56.0 84.0#



#16

Acetone

Concen: 1.799 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012063.D

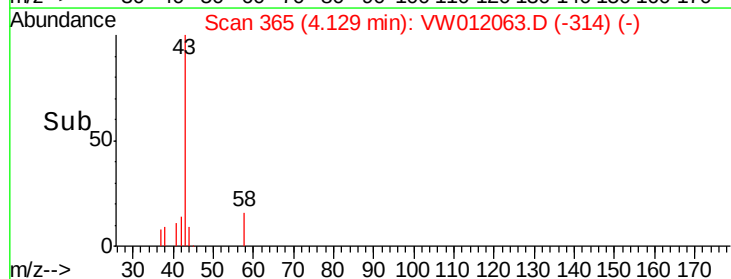
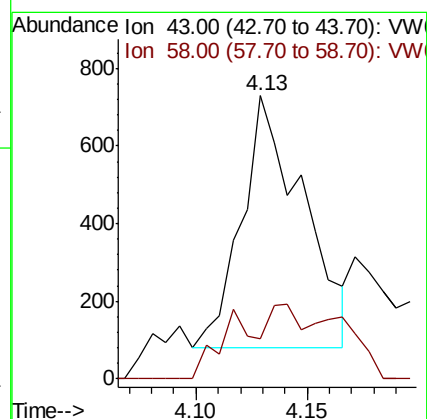
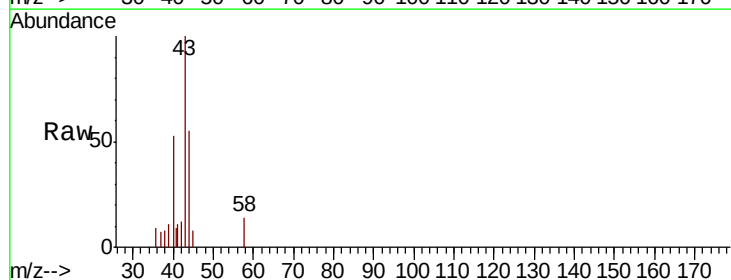
Acq: 21 Aug 2019 11:26

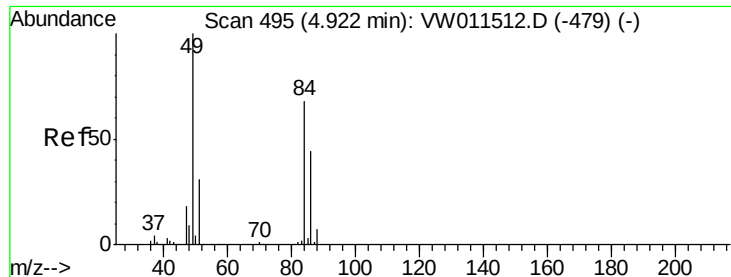
Tgt Ion: 43 Resp: 1249

Ion Ratio Lower Upper

43 100

58 15.9 22.3 33.5#

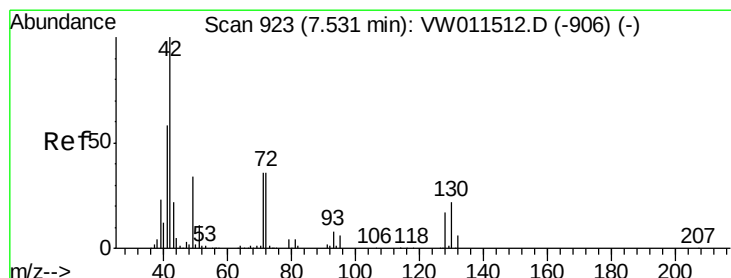
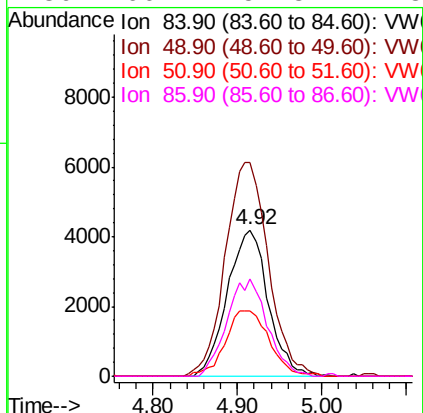
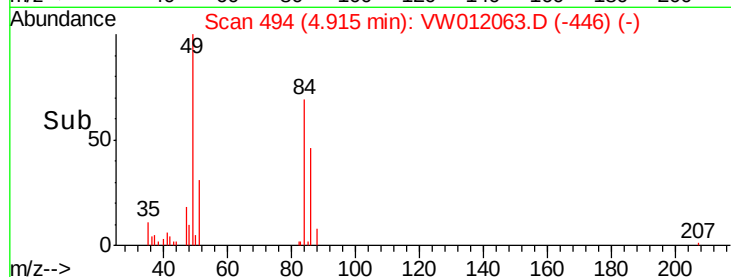
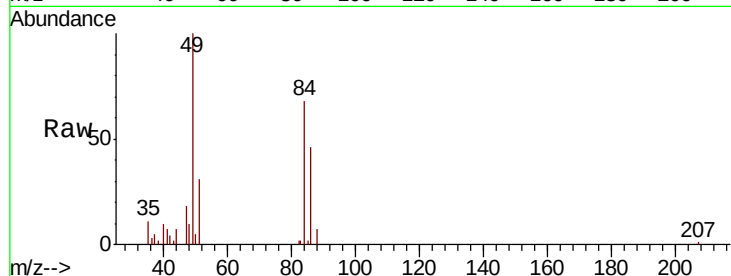




#20
Methylene Chloride
Concen: 5.762 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

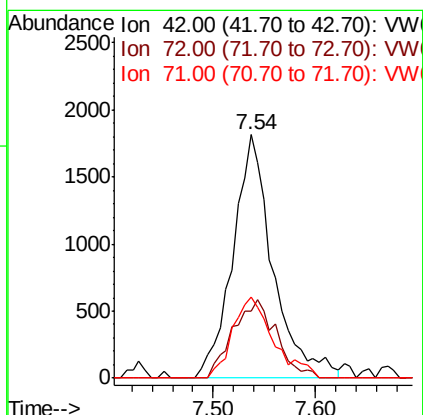
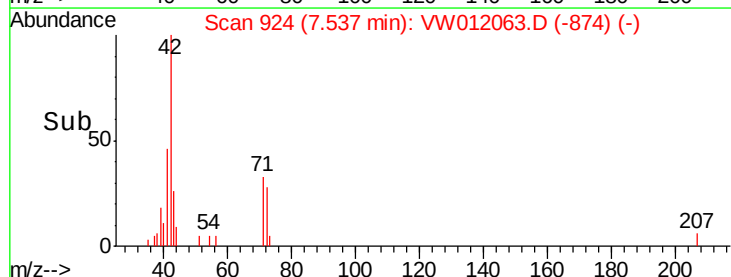
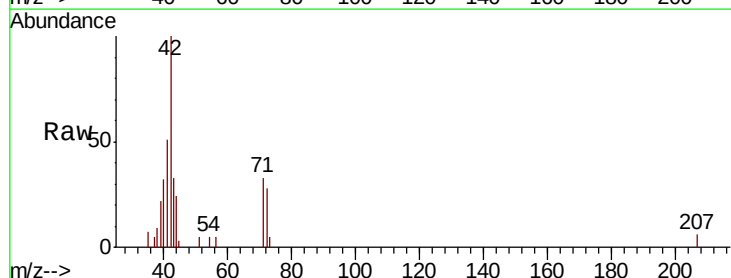
Instrument :
MSVOA_W
ClientSampleId :
T6-D-(2)RE

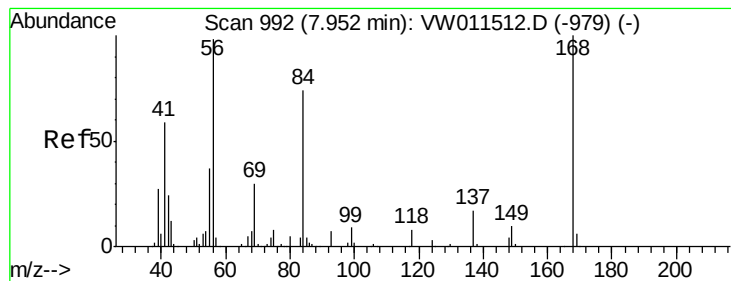
Tgt Ion:	84	Resp:	13796
Ion	Ratio	Lower	Upper
84	100		
49	146.2	117.8	176.6
51	44.9	37.0	55.4
86	66.7	51.8	77.8



#29
Tetrahydrofuran
Concen: 9.532 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Tgt Ion:	42	Resp:	4950
Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.1	40.7
71	33.8	26.2	39.4





#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012063.D

Acq: 21 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampled :

T6-D-(2)RE

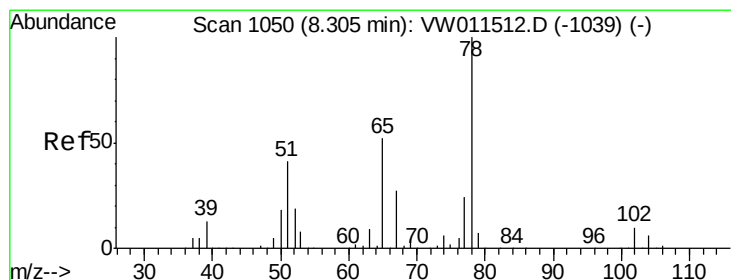
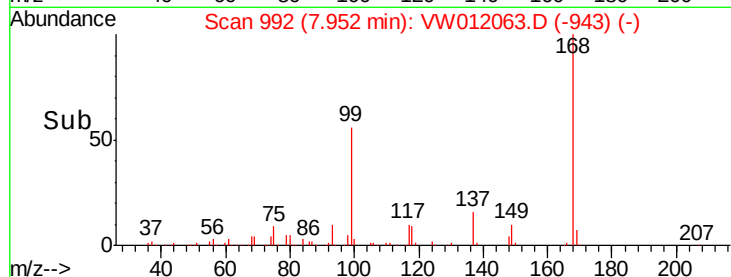
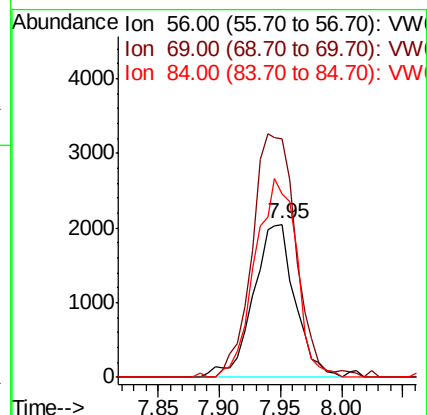
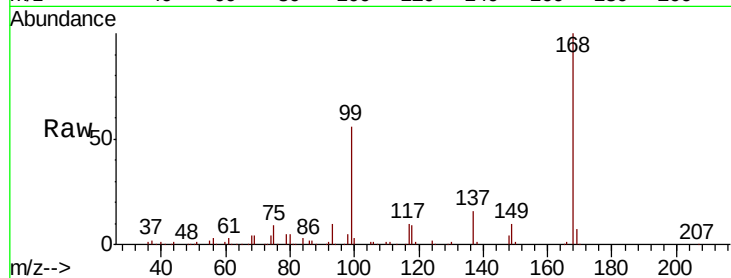
Tgt Ion: 56 Resp: 4863

Ion Ratio Lower Upper

56 100

69 155.6 24.3 36.5#

84 119.8 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 52.987 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012063.D

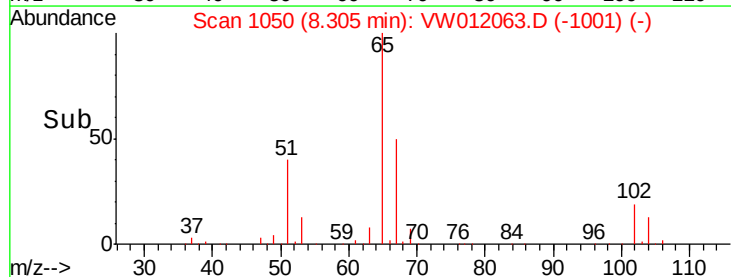
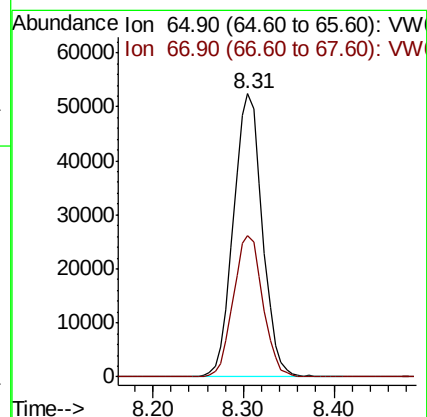
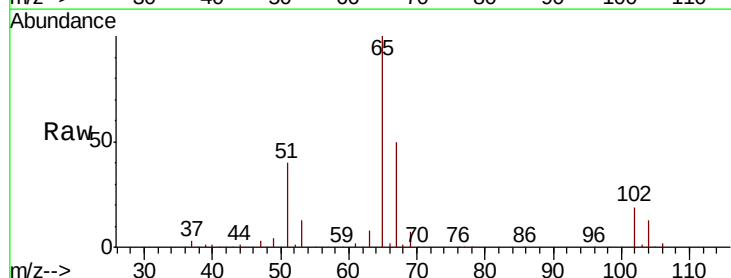
Acq: 21 Aug 2019 11:26

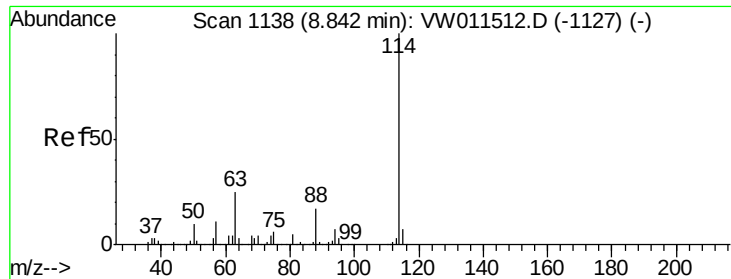
Tgt Ion: 65 Resp: 115653

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.2

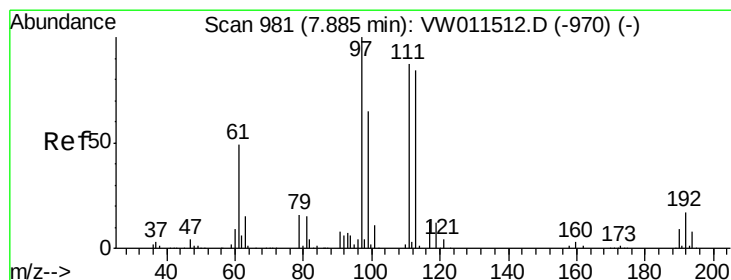
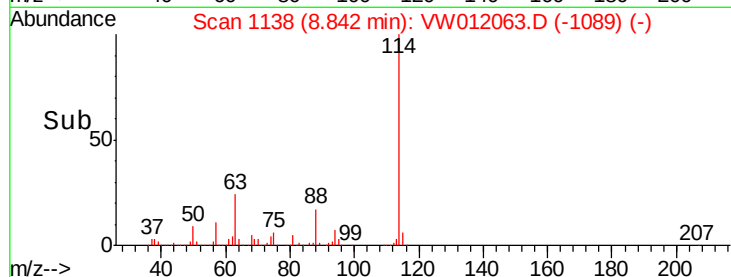
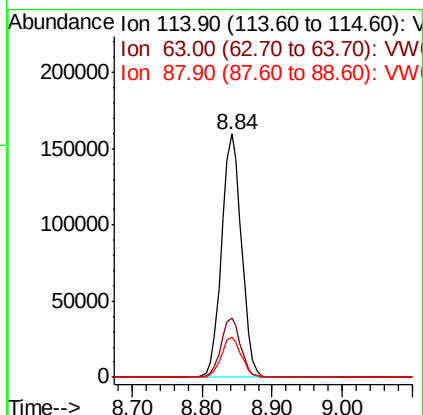
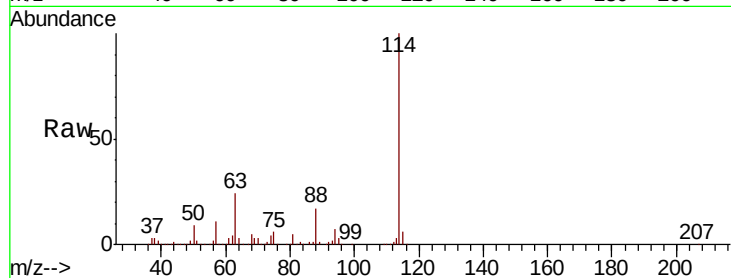




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

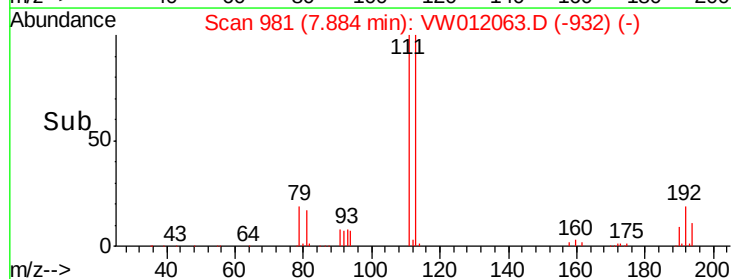
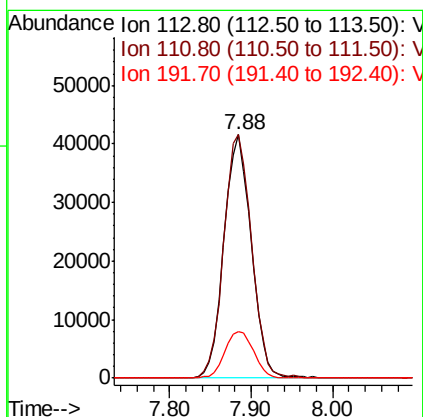
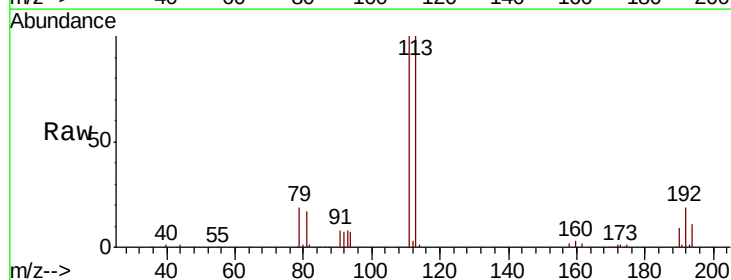
Instrument :
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 T6-D-(2)RE

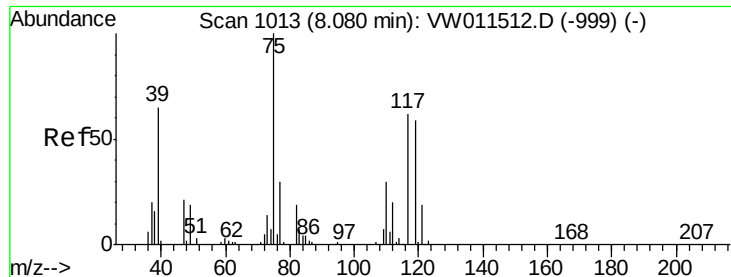
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	16.7	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 54.570 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	20.2	16.1	24.1

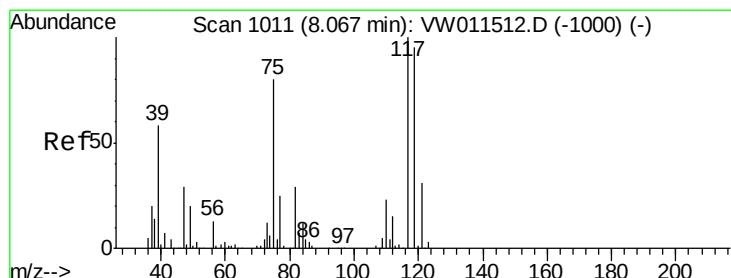
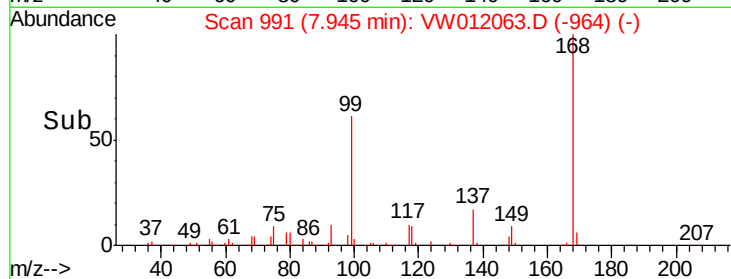
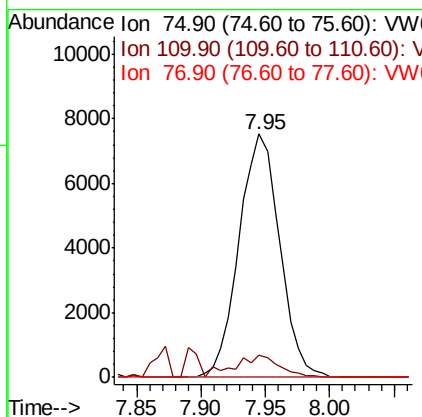
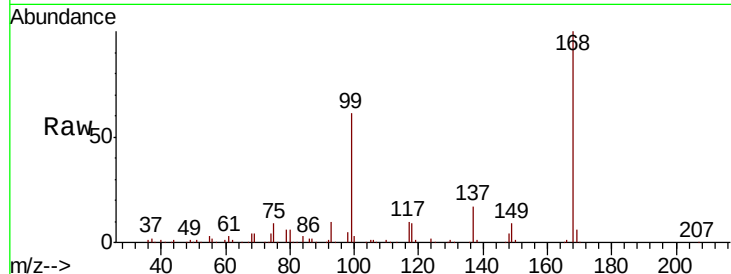




#36
 1,1-Dichloropropene
 Concen: 5.032 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

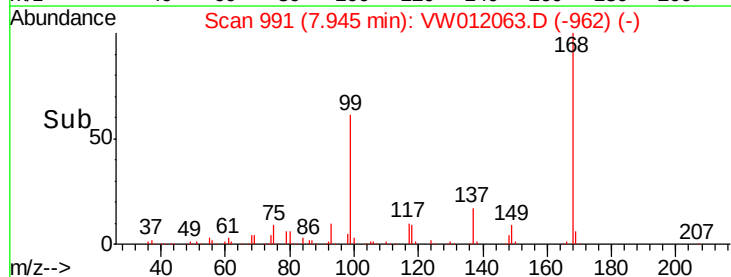
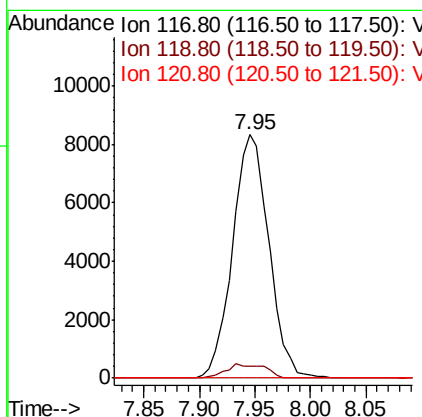
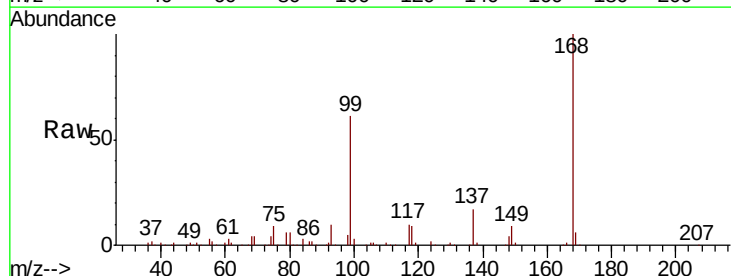
Instrument :
 MSVOA_W
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 T6-D-(2)RE

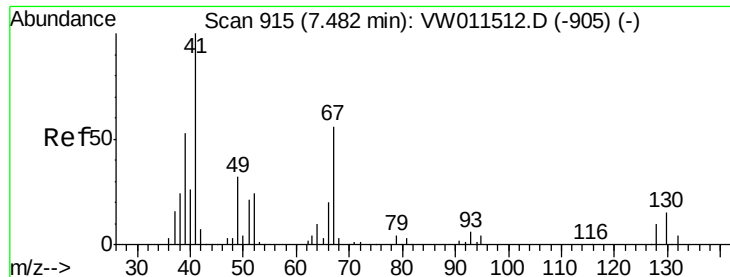
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.6#
121	0.0	24.7	37.1#

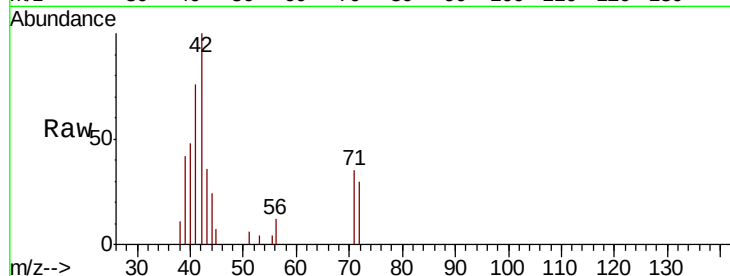




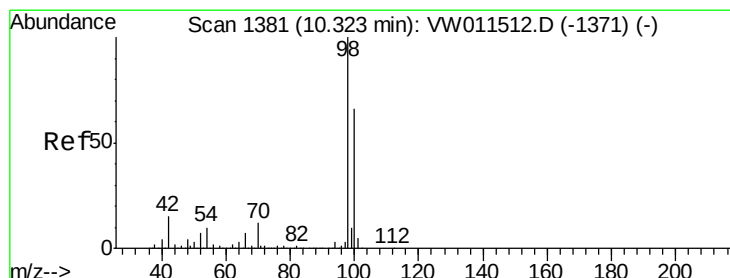
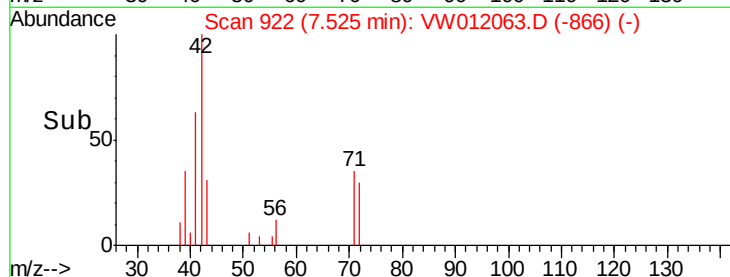
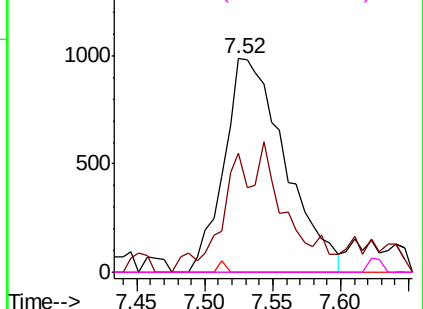
#41
Methacrylonitrile
Concen: 2.746 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Instrument :
MSVOA_W
ClientSampleId :
T6-D-(2)RE

Tgt Ion:	41	Resp:	3089
Ion	Ratio	Lower	Upper
41	100		
39	24.5	43.0	64.4#
67	0.6	47.5	71.3#
52	0.0	21.0	31.6#

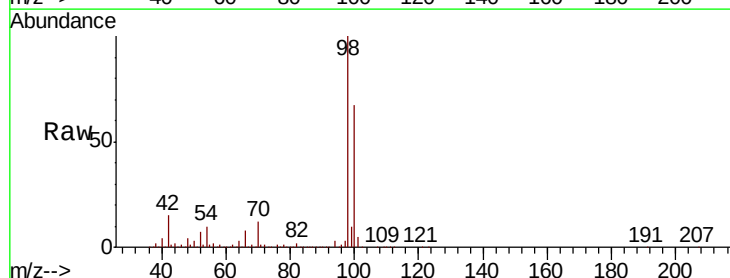


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

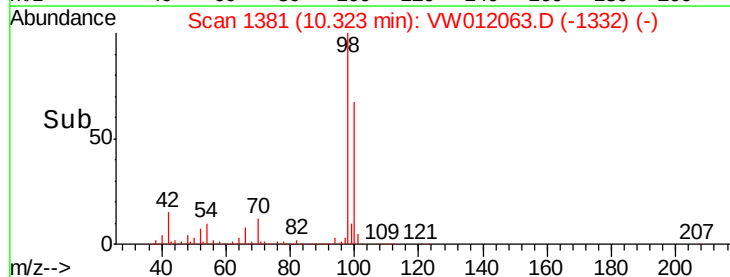
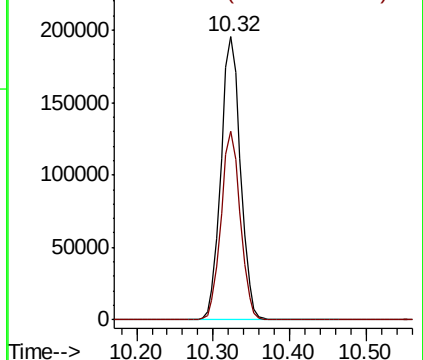


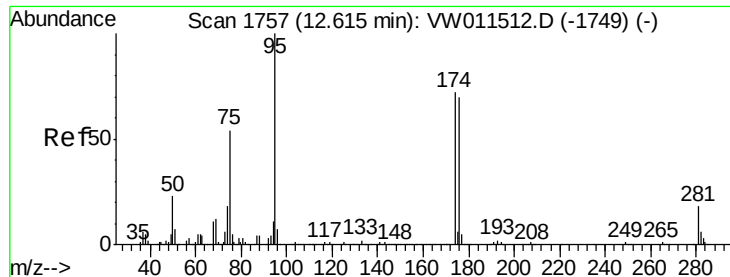
#50
Toluene-d8
Concen: 47.812 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Tgt Ion:	98	Resp:	345465
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

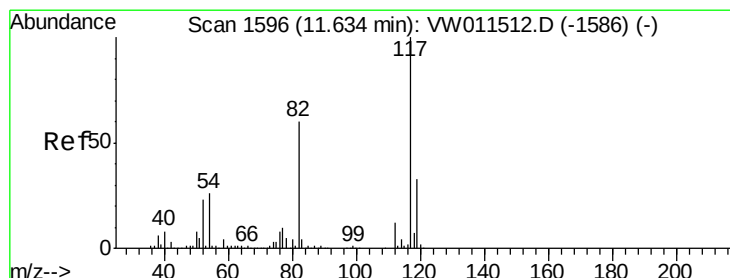
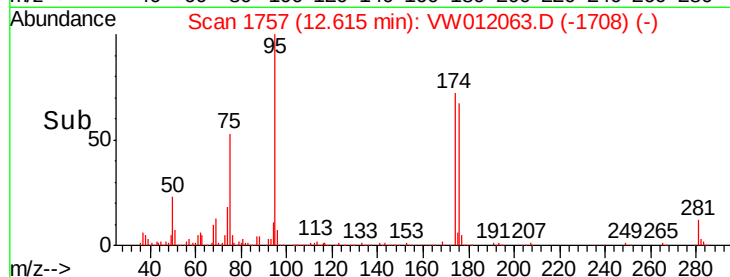
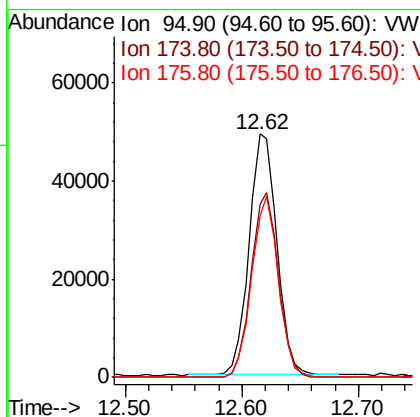
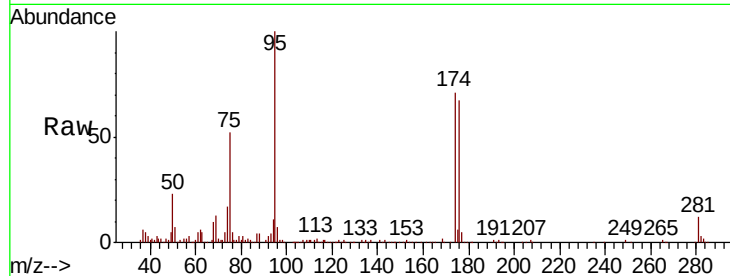




#62
4-Bromofluorobenzene
Concen: 31.804 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

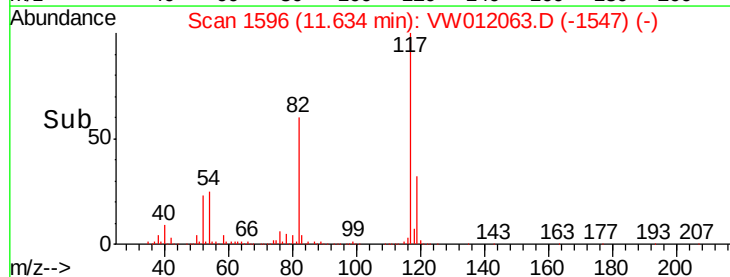
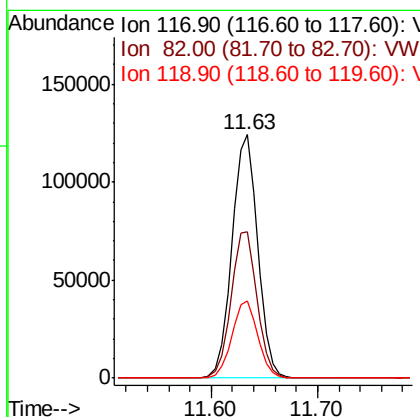
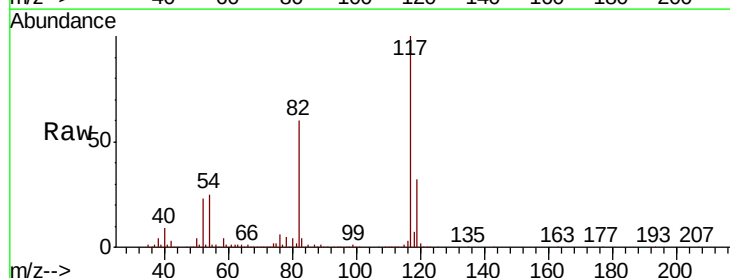
Instrument :
MSVOA_W
ClientSampleId :
T6-D-(2)RE

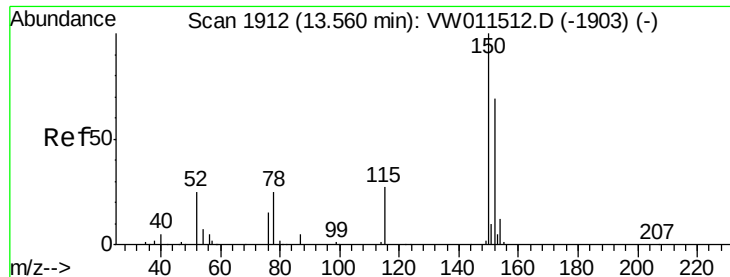
Tgt Ion: 95 Resp: 81930
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.2
176 72.1 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Tgt Ion: 117 Resp: 211117
Ion Ratio Lower Upper
117 100
82 60.3 47.9 71.9
119 31.9 26.2 39.2



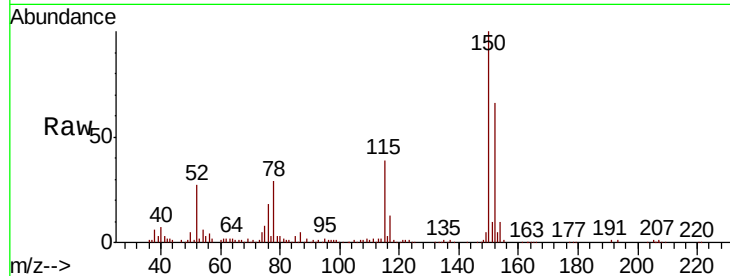


#72

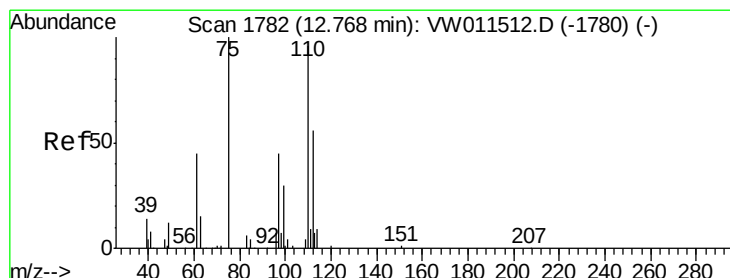
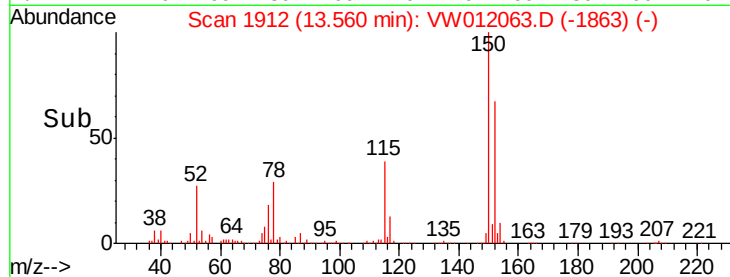
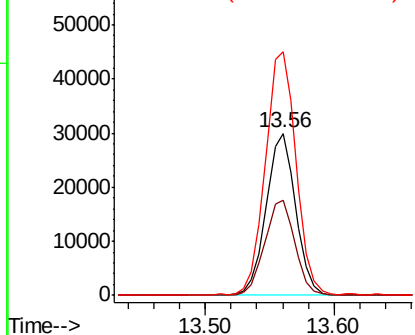
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Instrument :
MSVOA_W
ClientSampleId :
T6-D-(2)RE

Tgt Ion:152 Resp: 47741
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 155.7 0.0 352.6



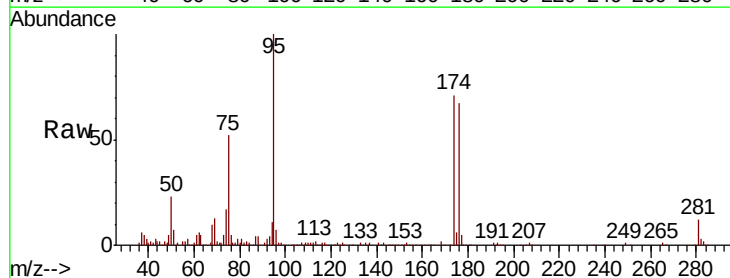
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



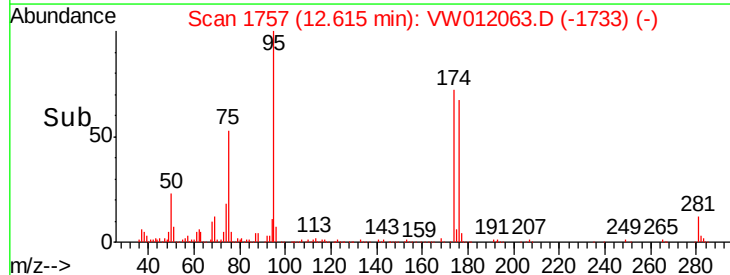
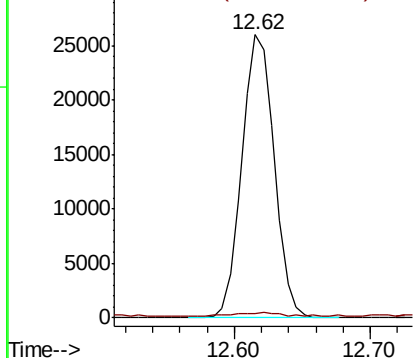
#76

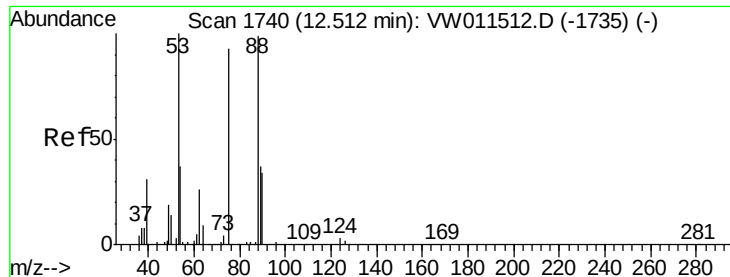
1,2,3-Trichloropropane
Concen: 85.564 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012063.D
Acq: 21 Aug 2019 11:26

Tgt Ion: 75 Resp: 43223
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



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

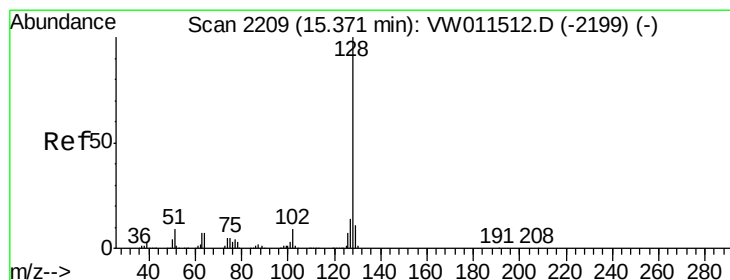
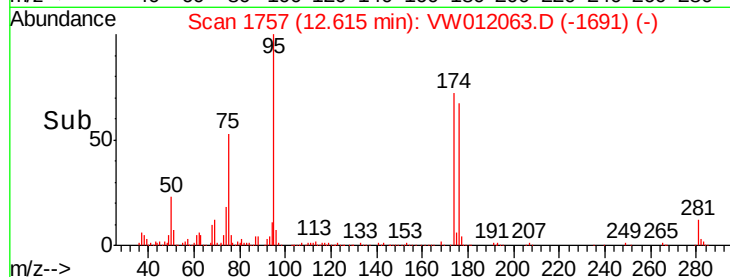
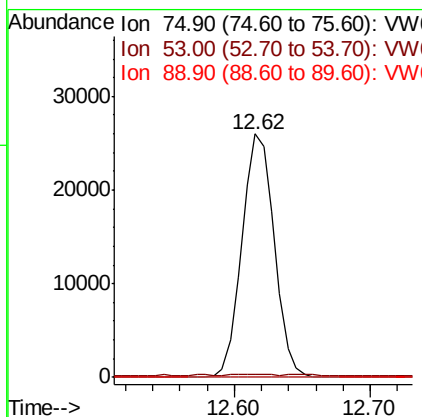
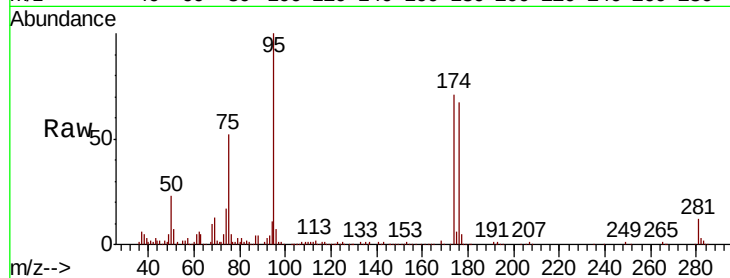




#81
 trans-1,4-Dichloro-2-butene
 Concen: 197.195 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(2)RE

Tgt Ion: 75 Resp: 43223
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.692 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW012063.D
 Acq: 21 Aug 2019 11:26

Tgt Ion: 128 Resp: 1230
 Ion Ratio Lower Upper
 128 100
 127 21.9 10.6 16.0#
 129 13.8 8.6 13.0#

