

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012394.D
 Acq On : 31 Aug 2019 12:35
 Operator : SY/VA
 Sample : K4493-16
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:18:29 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	211048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107617	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	141797	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
35) Dibromofluoromethane	7.88	113	109941	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.32	98	435125	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.62	95	131689	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	

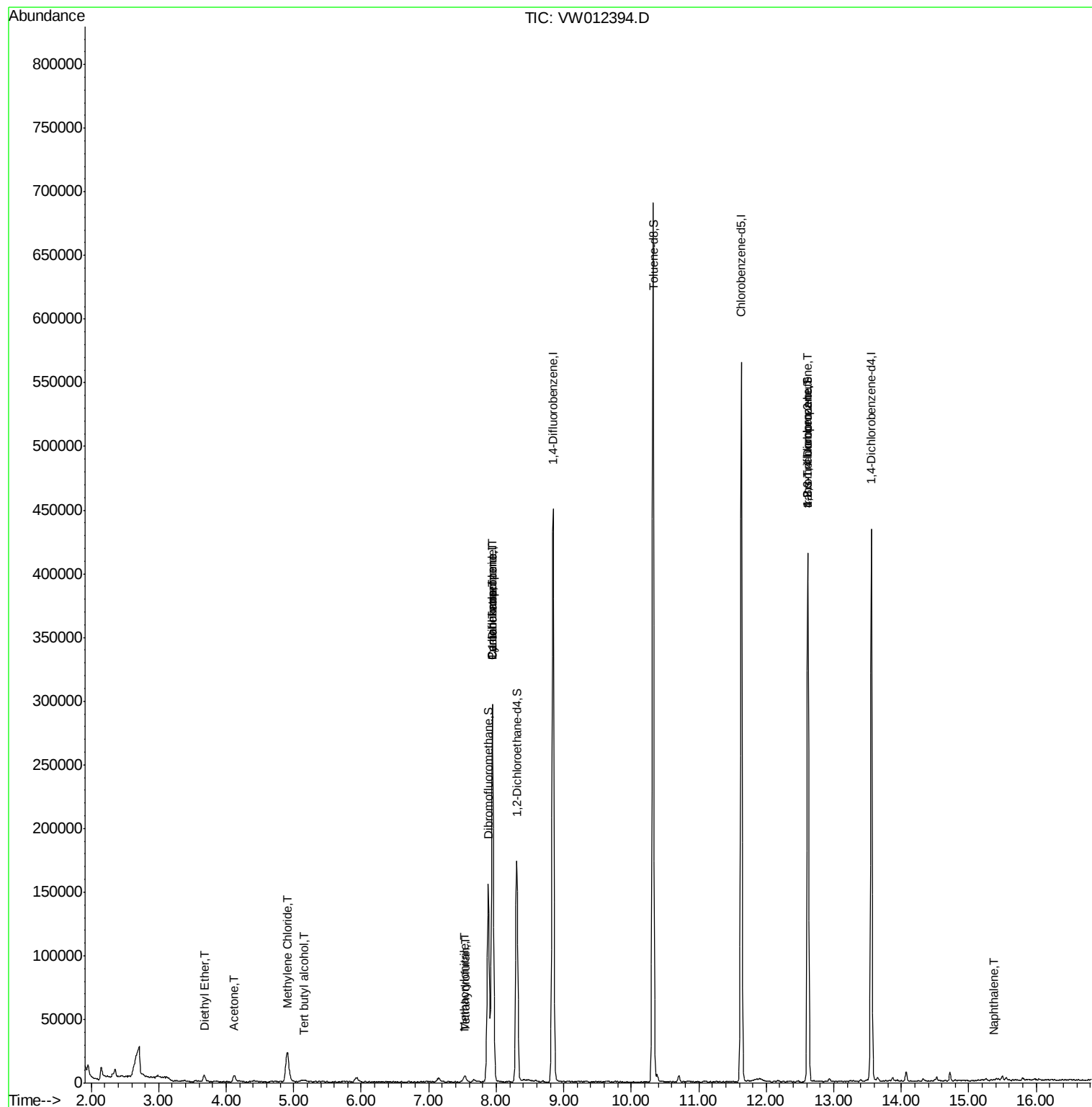
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2403	2.046	ug/l	80
11) Tert butyl alcohol	5.15	59	1961	12.988	ug/l #	71
16) Acetone	4.11	43	10150	15.827	ug/l	99
20) Methylene Chloride	4.91	84	16902	6.972	ug/l	99
29) Tetrahydrofuran	7.54	42	4202	8.037	ug/l	99
31) Cyclohexane	7.94	56	5411	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18659	5.104	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22194	7.014	ug/l #	16
41) Methacrylonitrile	7.53	41	2750	2.335	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	70846	67.594	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70846	148.202	ug/l #	6
95) Naphthalene	15.36	128	405	4.412	ug/l #	84

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012394.D

Acq: 31 Aug 2019 12:35

Instrument :

MSVOA_W

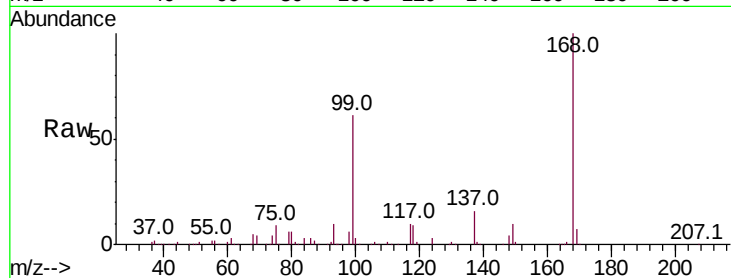
ClientSampled :

Tot Ion:168 Resp: 211048

Ion Ratio Lower Upper

168 100

99 60.5 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

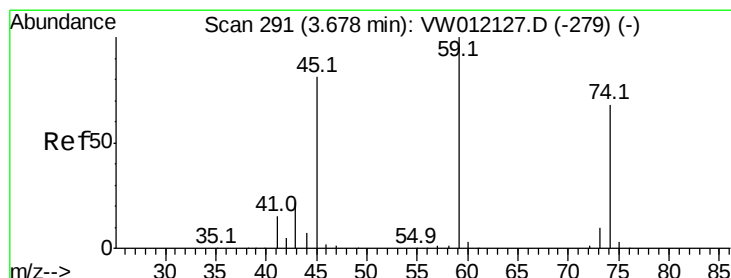
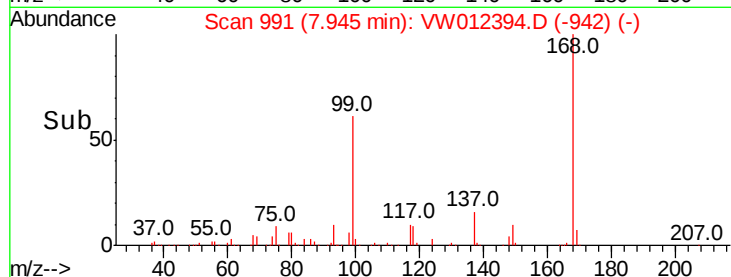
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.046 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012394.D

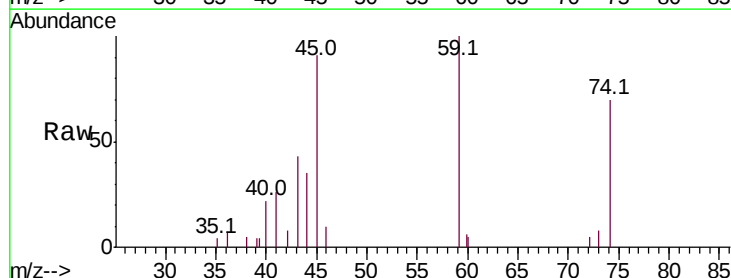
Acq: 31 Aug 2019 12:35

Tgt Ion: 74 Resp: 2403

Ion Ratio Lower Upper

74 100

45 140.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

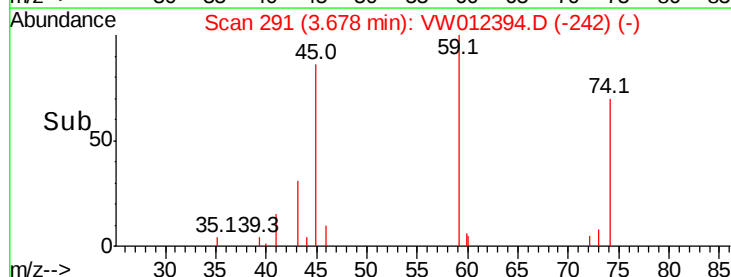
1500

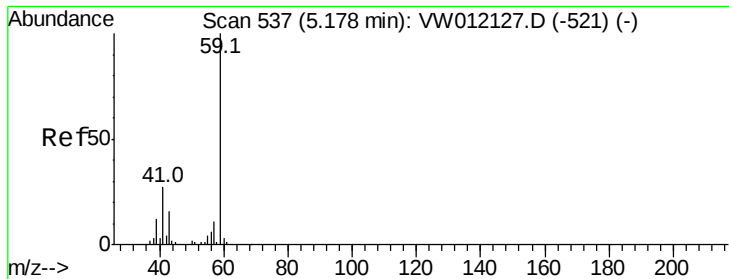
1000

500

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Time-->



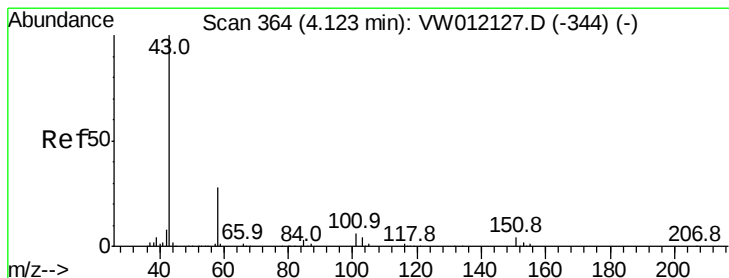
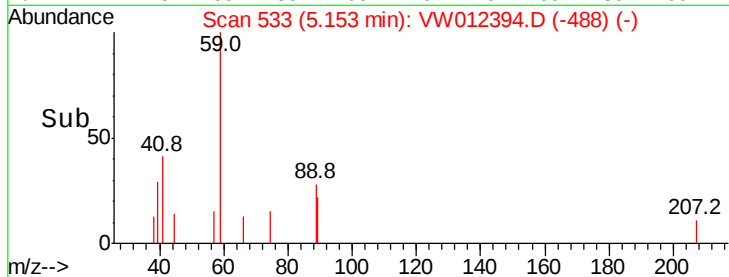
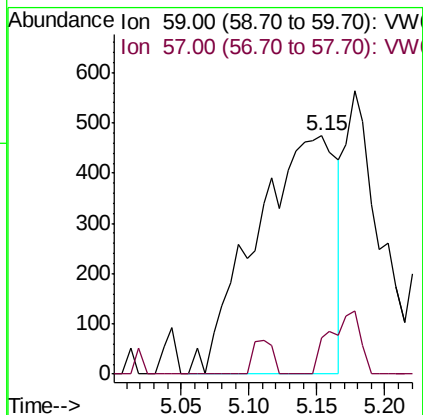
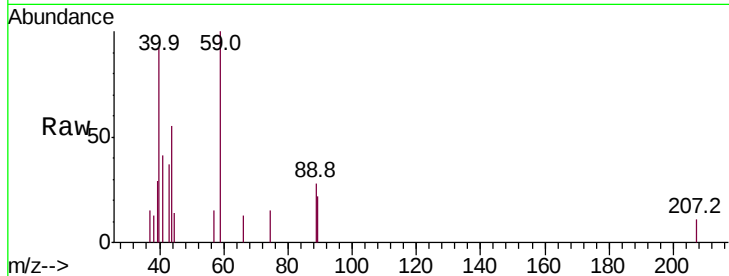


#11

Tert butyl alcohol
Concen: 12.988 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Instrument :
MSVOA_W
ClientSampled :

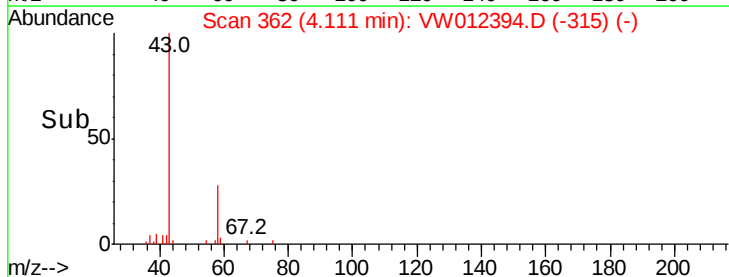
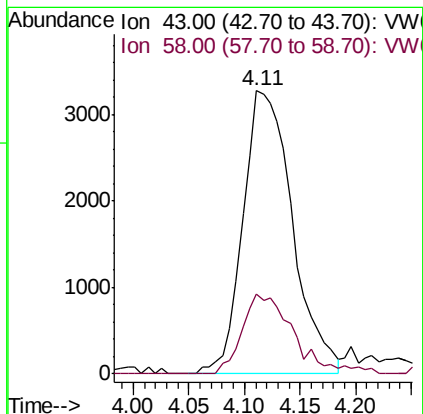
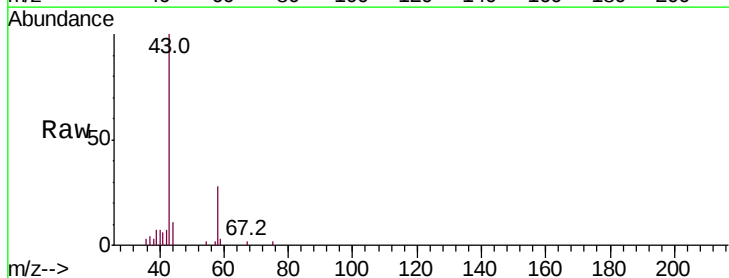
Tot Ion: 59 Resp: 1961
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

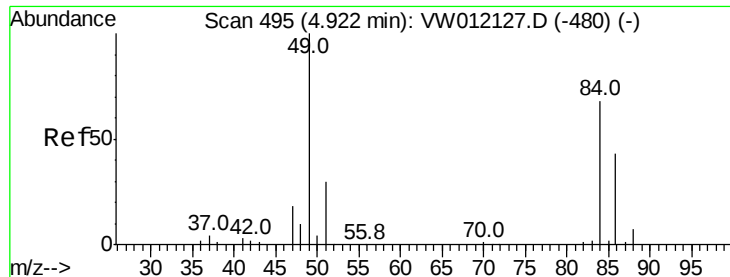


#16

Acetone
Concen: 15.827 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Tgt Ion: 43 Resp: 10150
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6

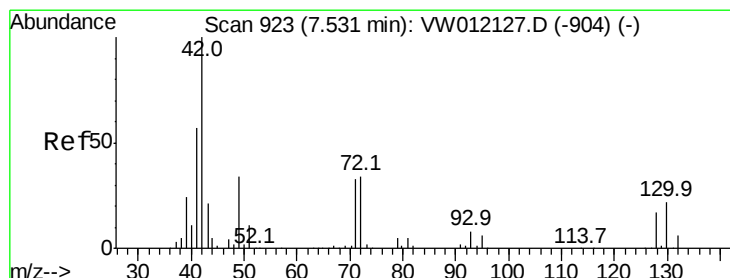
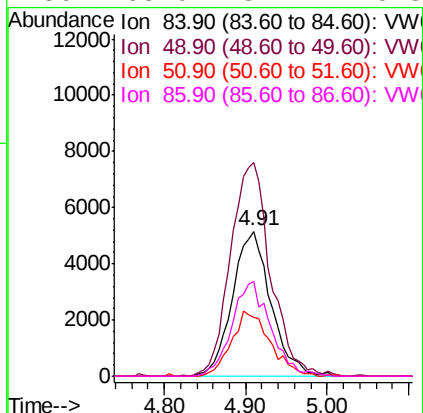
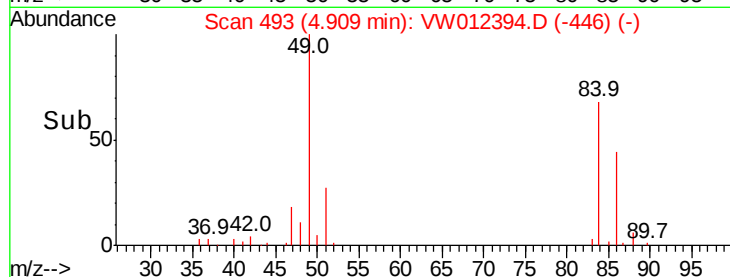
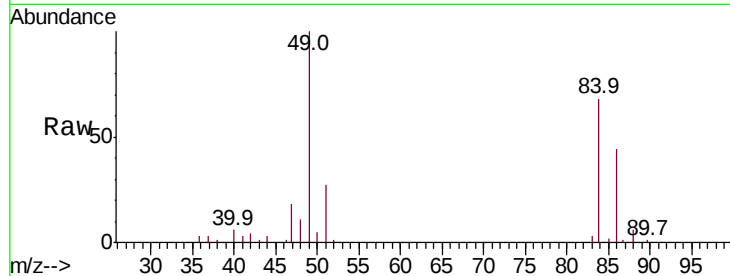




#20
Methvlene Chloride
Concen: 6.972 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

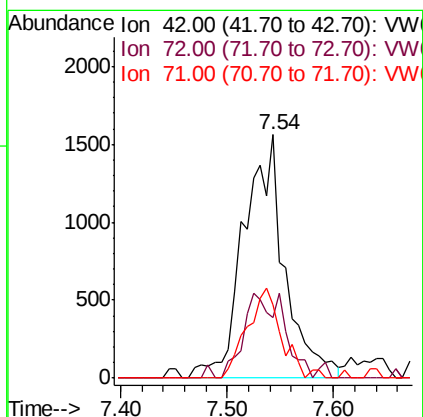
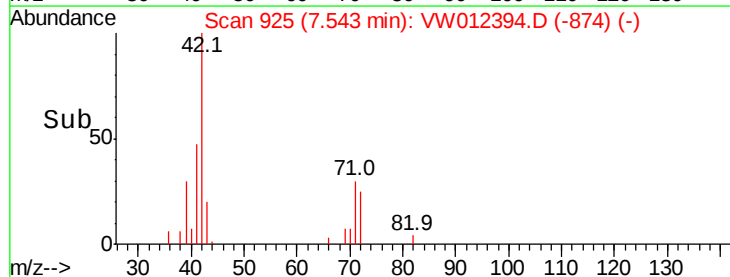
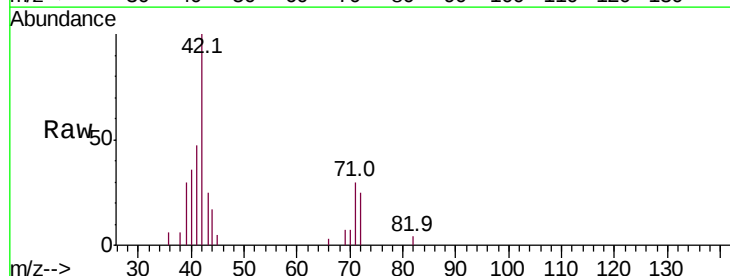
Instrument :
MSVOA_W
ClientSampled :

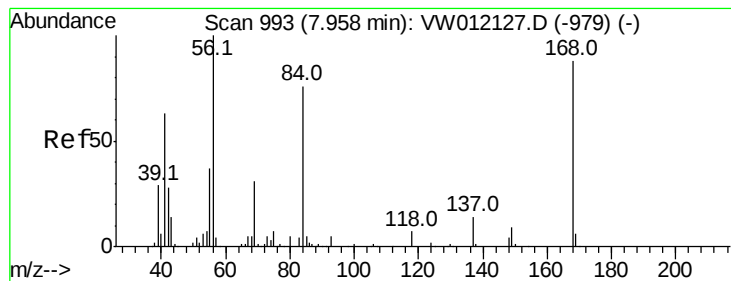
Tot Ion:	84	Resp:	16902
Ion	Ratio	Lower	Upper
84	100		
49	147.3	117.8	176.8
51	40.5	35.6	53.4
86	65.0	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.037 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Tgt Ion:	42	Resp:	4202
Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	31.3	25.5	38.3





#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012394.D

Acq: 31 Aug 2019 12:35

Instrument :
MSVOA_W
ClientSampled :

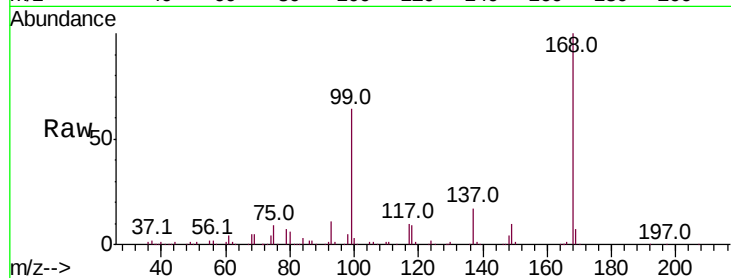
Tot Ion: 56 Resp: 5411

Ion Ratio Lower Upper

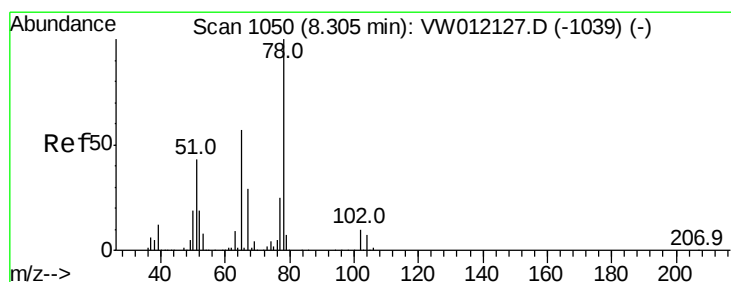
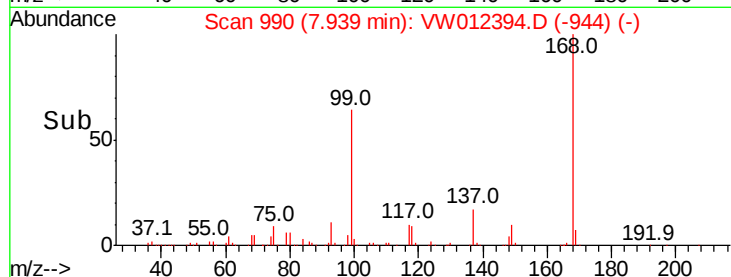
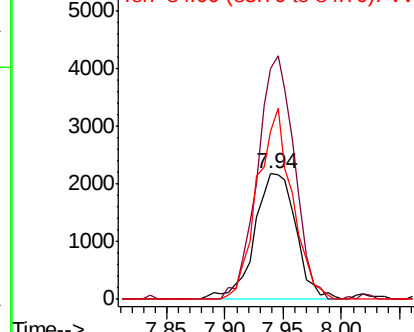
56 100

69 183.8 24.9 37.3#

84 134.2 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: 56.519 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012394.D

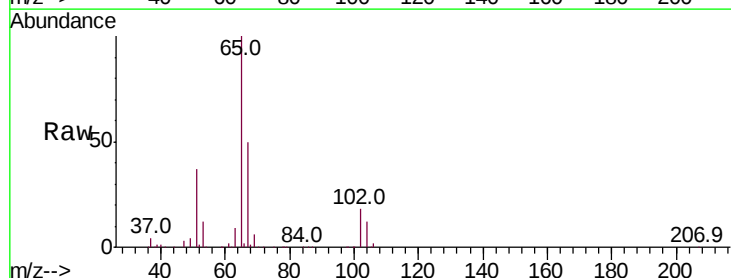
Acq: 31 Aug 2019 12:35

Tgt Ion: 65 Resp: 141797

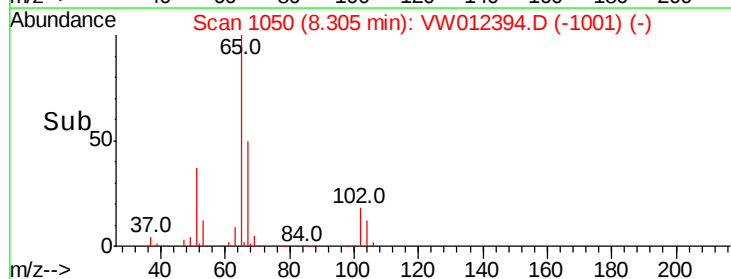
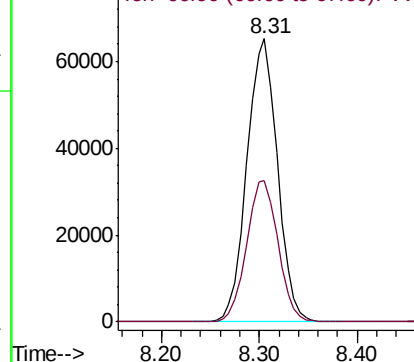
Ion Ratio Lower Upper

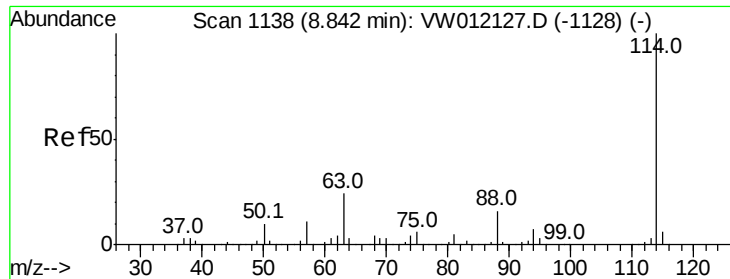
65 100

67 51.2 0.0 102.6



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

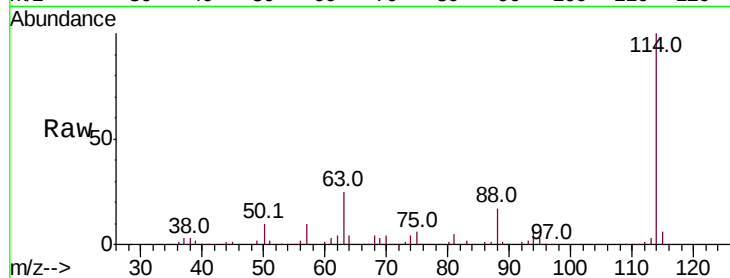




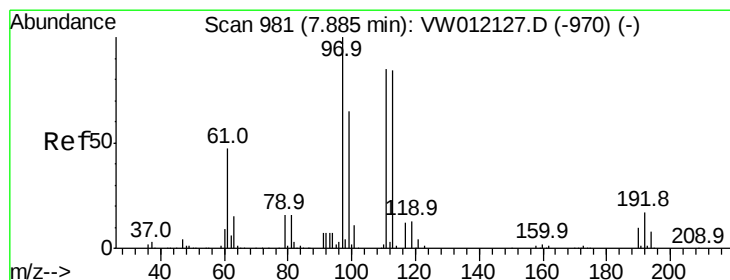
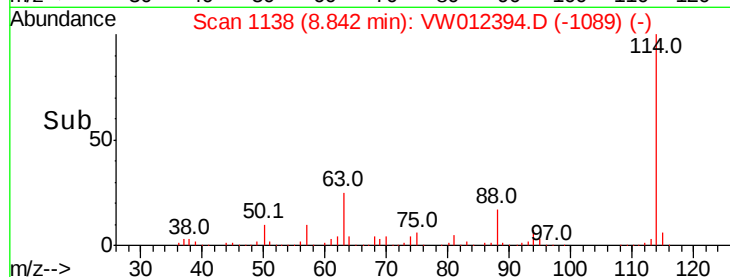
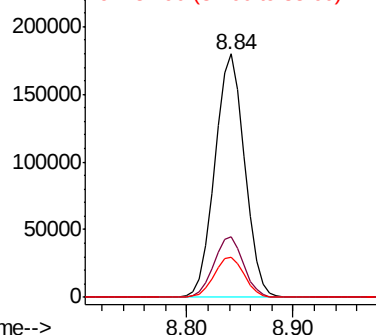
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012394.D
 Acq: 31 Aug 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	48.6
88	16.6	0.0	32.2

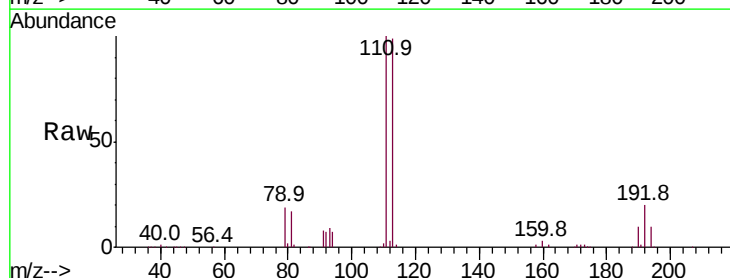


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

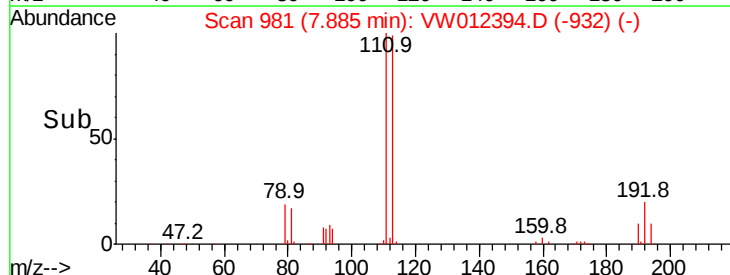
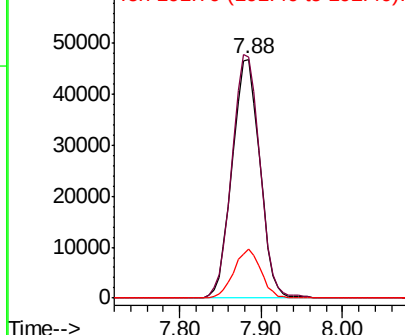


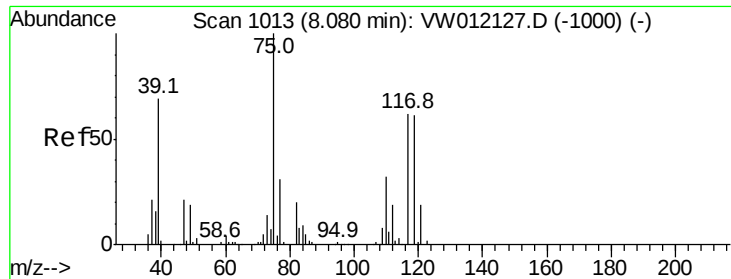
#35
 Dibromofluoromethane
 Concen: 52.059 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012394.D
 Acq: 31 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	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

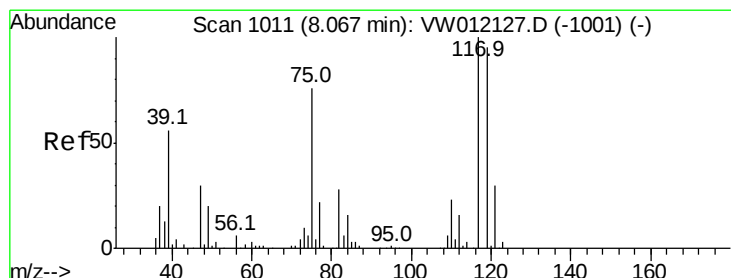
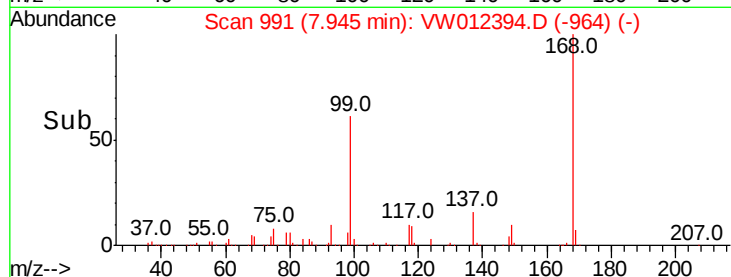
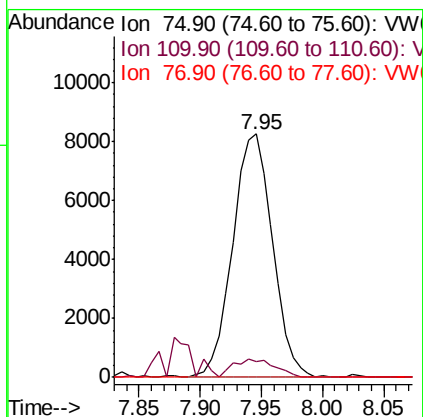
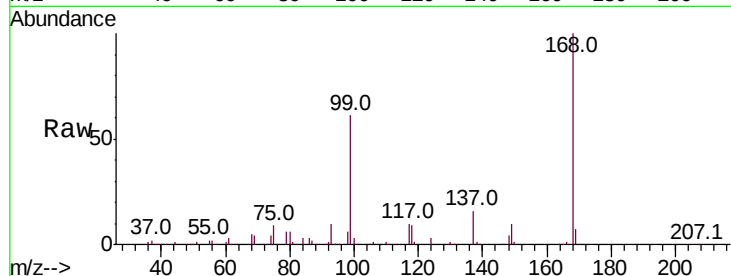




#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012394.D
 Acq: 31 Aug 2019 12:35

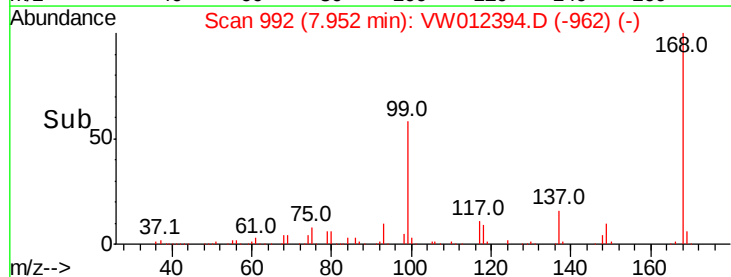
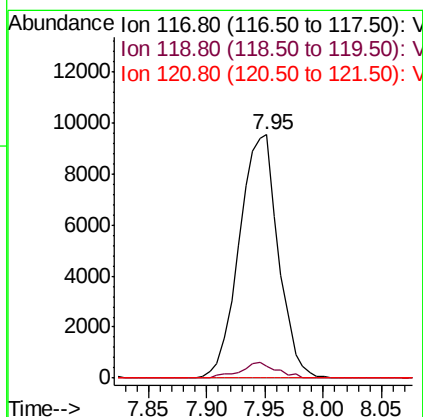
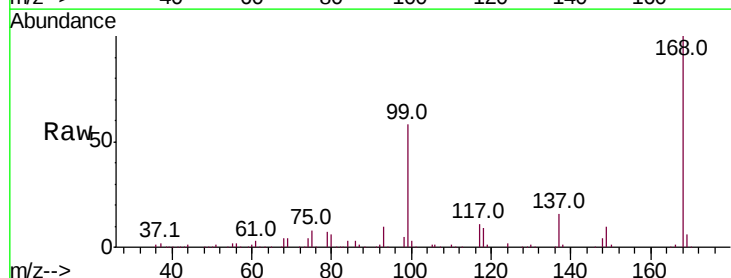
Instrument :
 MSVOA_W
 ClientSampleId :

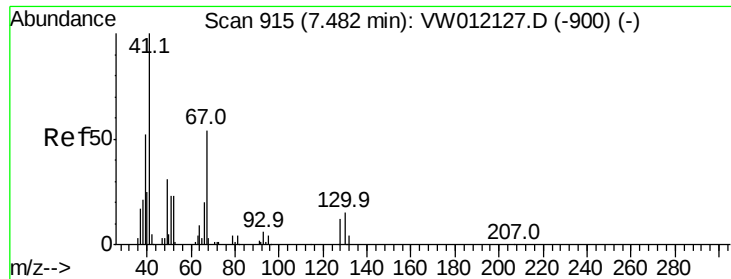
Tot Ion: 75 Resp: 18659
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.014 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012394.D
 Acq: 31 Aug 2019 12:35

Tgt Ion: 117 Resp: 22194
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#

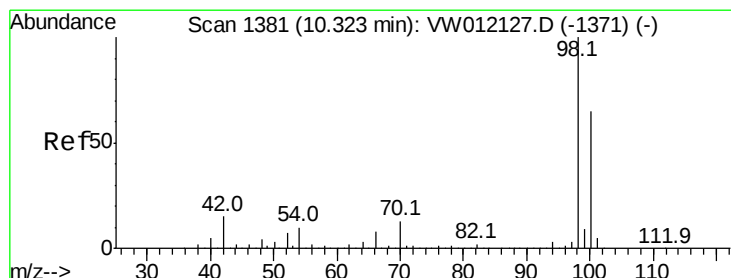
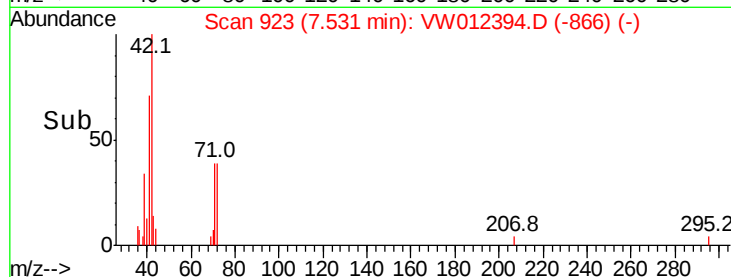
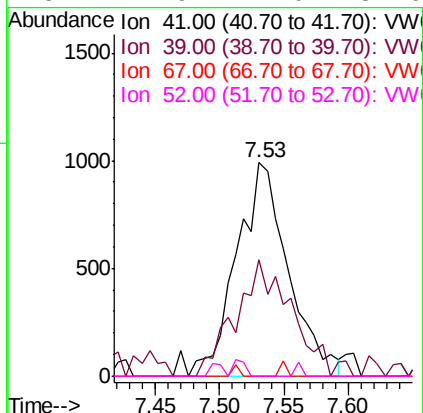
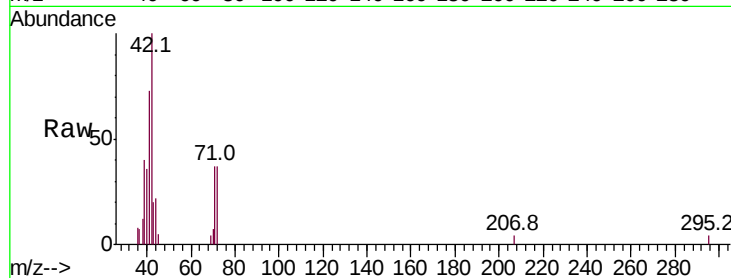




#41
Methacrylonitrile
Concen: 2.335 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

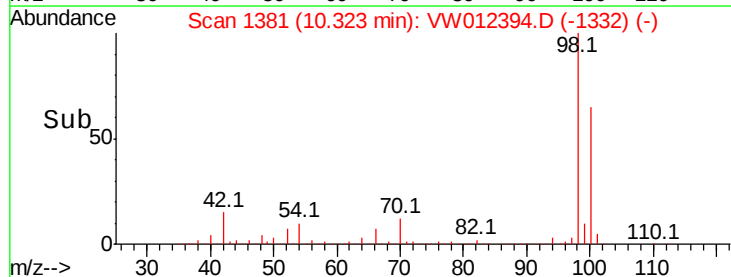
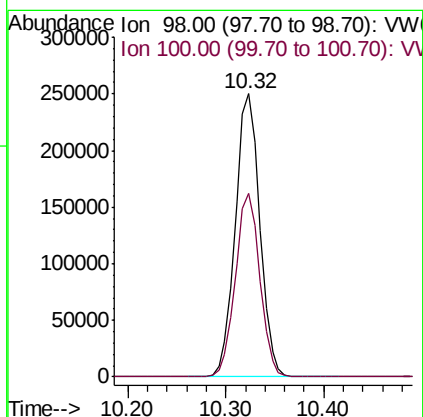
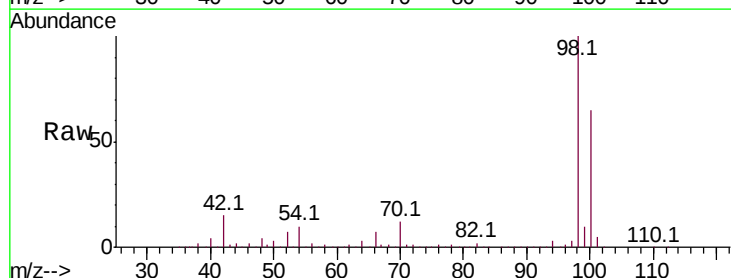
Instrument :
MSVOA_W
ClientSampleId :

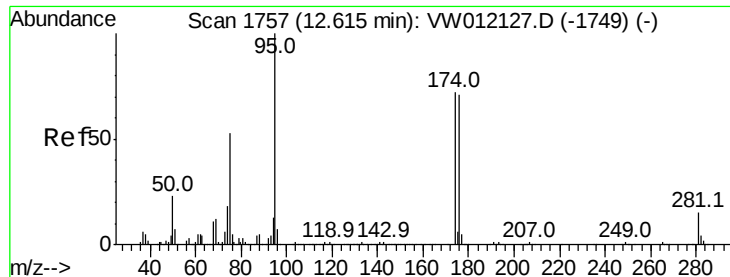
Tot Ion:	41	Resp:	2750
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.8	68.8
67	0.7	46.2	69.4#
52	1.9	21.0	31.6#



#50
Toluene-d8
Concen: 50.815 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Tgt Ion:	98	Resp:	435125
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6

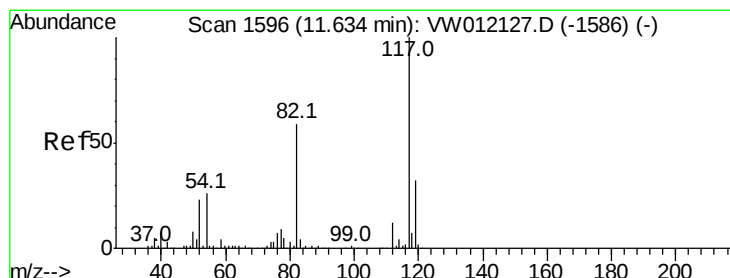
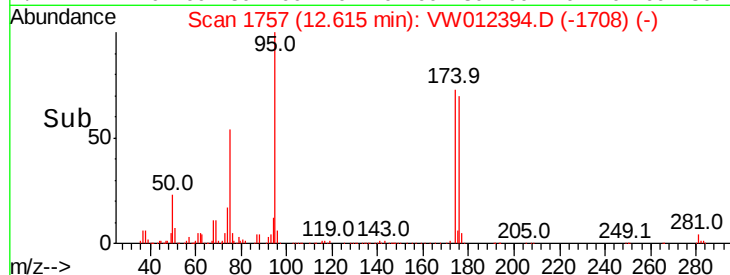
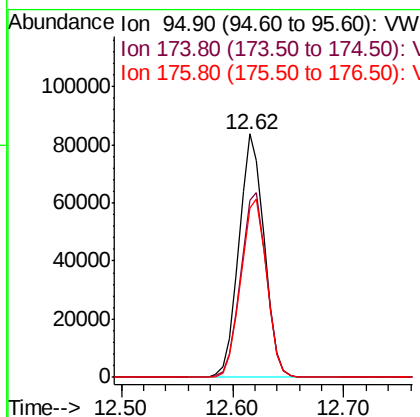
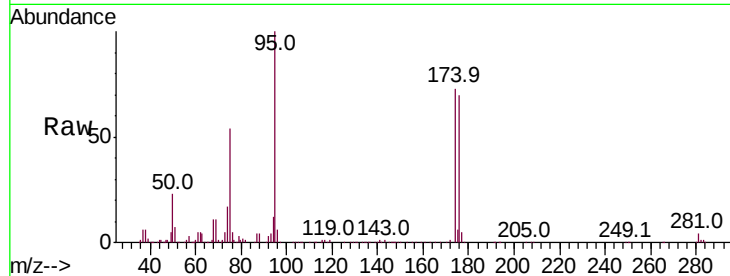




#62
4-Bromofluorobenzene
Concen: 43.628 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

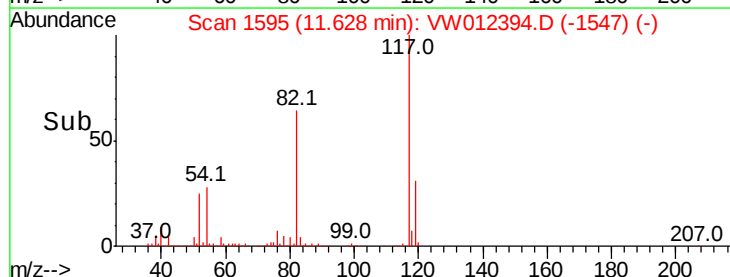
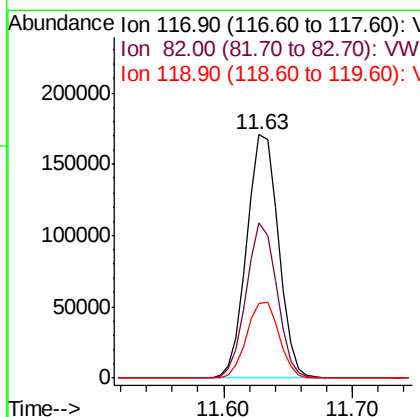
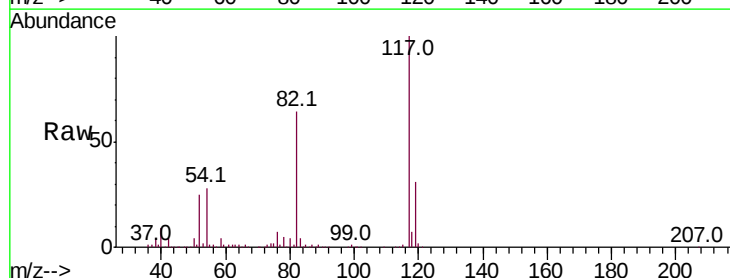
Instrument :
MSVOA_W
ClientSampleId :

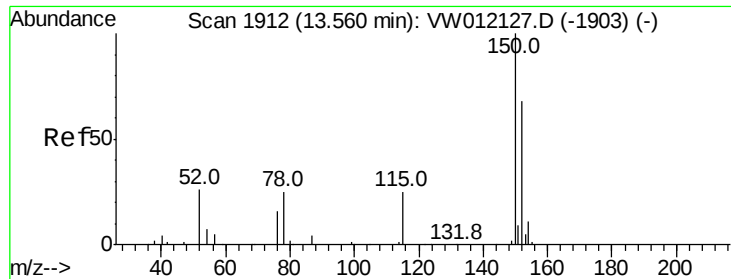
Tot Ion: 95 Resp: 131689
Ion Ratio Lower Upper
95 100
174 77.8 0.0 150.8
176 75.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Tgt Ion: 117 Resp: 290253
Ion Ratio Lower Upper
117 100
82 64.0 47.4 71.2
119 30.7 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: VW012394.D

Acq: 31 Aug 2019 12:35

Instrument :

MSVOA_W

ClientSampled :

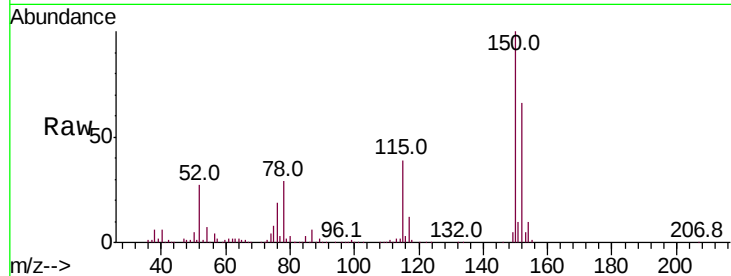
Tot Ion:152 Resp: 107617

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

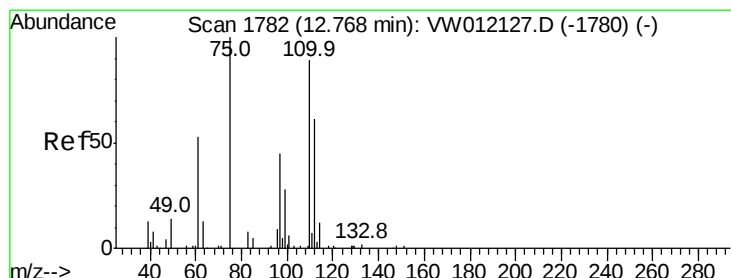
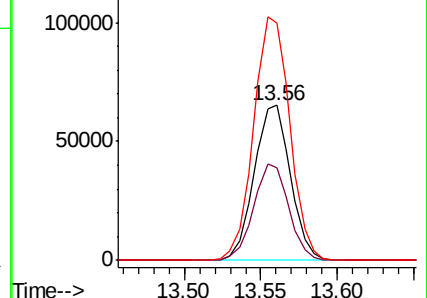
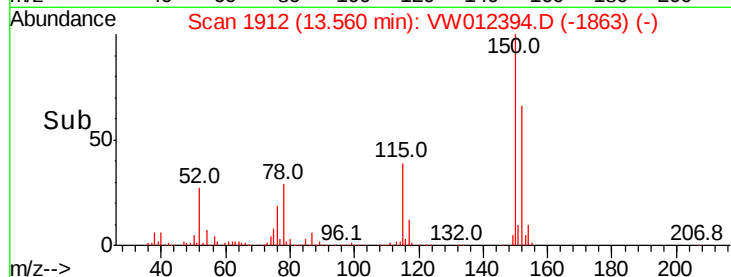
150 156.8 0.0 345.8



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: 67.594 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012394.D

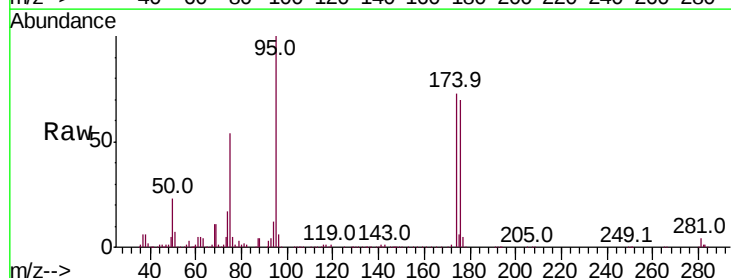
Acq: 31 Aug 2019 12:35

Tgt Ion: 75 Resp: 70846

Ion Ratio Lower Upper

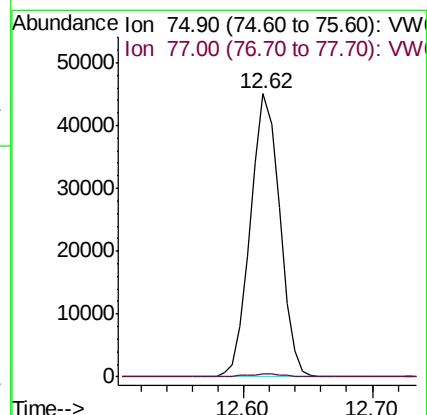
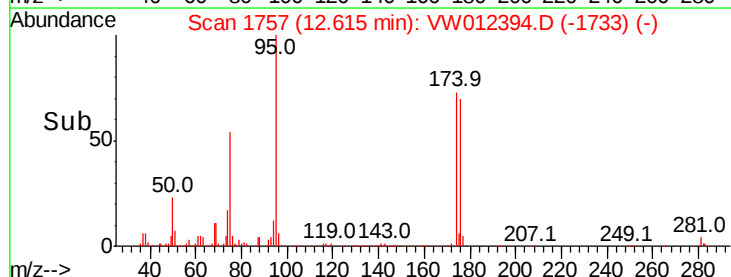
75 100

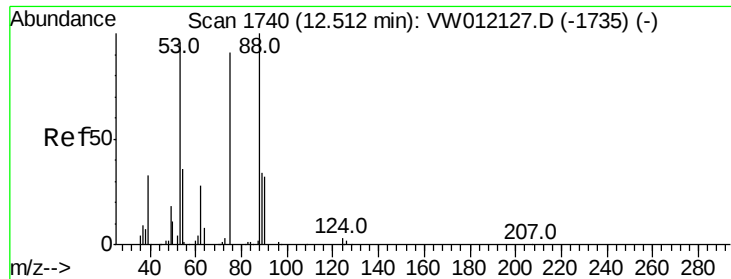
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

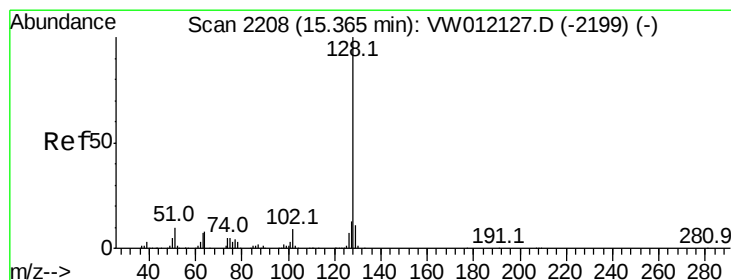
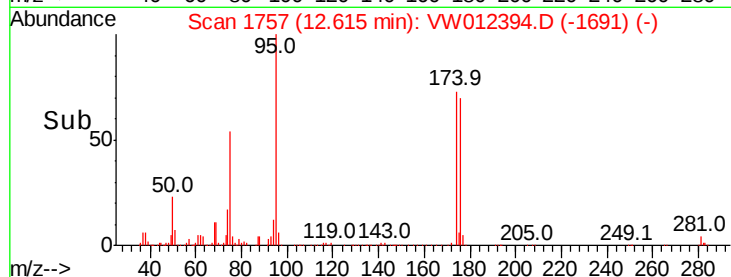
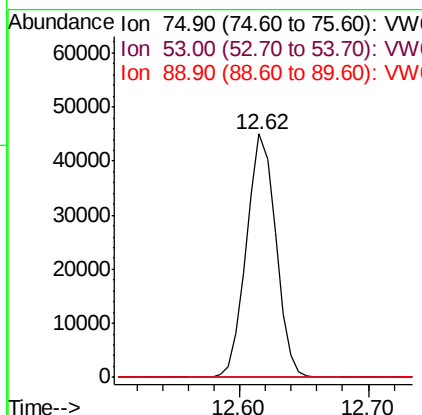
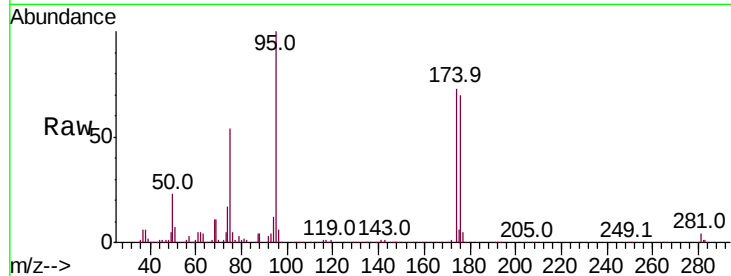




#81
trans-1,4-Dichloro-2-butene
Concen: 148.202 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 70846
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.412 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012394.D
Acq: 31 Aug 2019 12:35

Tgt Ion: 128 Resp: 405
Ion Ratio Lower Upper
128 100
127 20.2 10.7 16.1#
129 4.9 8.7 13.1#

