

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011986.D
 Acq On : 19 Aug 2019 12:57
 Operator : SY/VA
 Sample : K4385-06
 Misc : 6.56G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 14:47:22 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	218778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96340	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	137964	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.88	113	112697	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
50) Toluene-d8	10.32	98	438492	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	127389	42.50	ug/l	0.00
Spiked Amount			Recovery	=	85.00%	

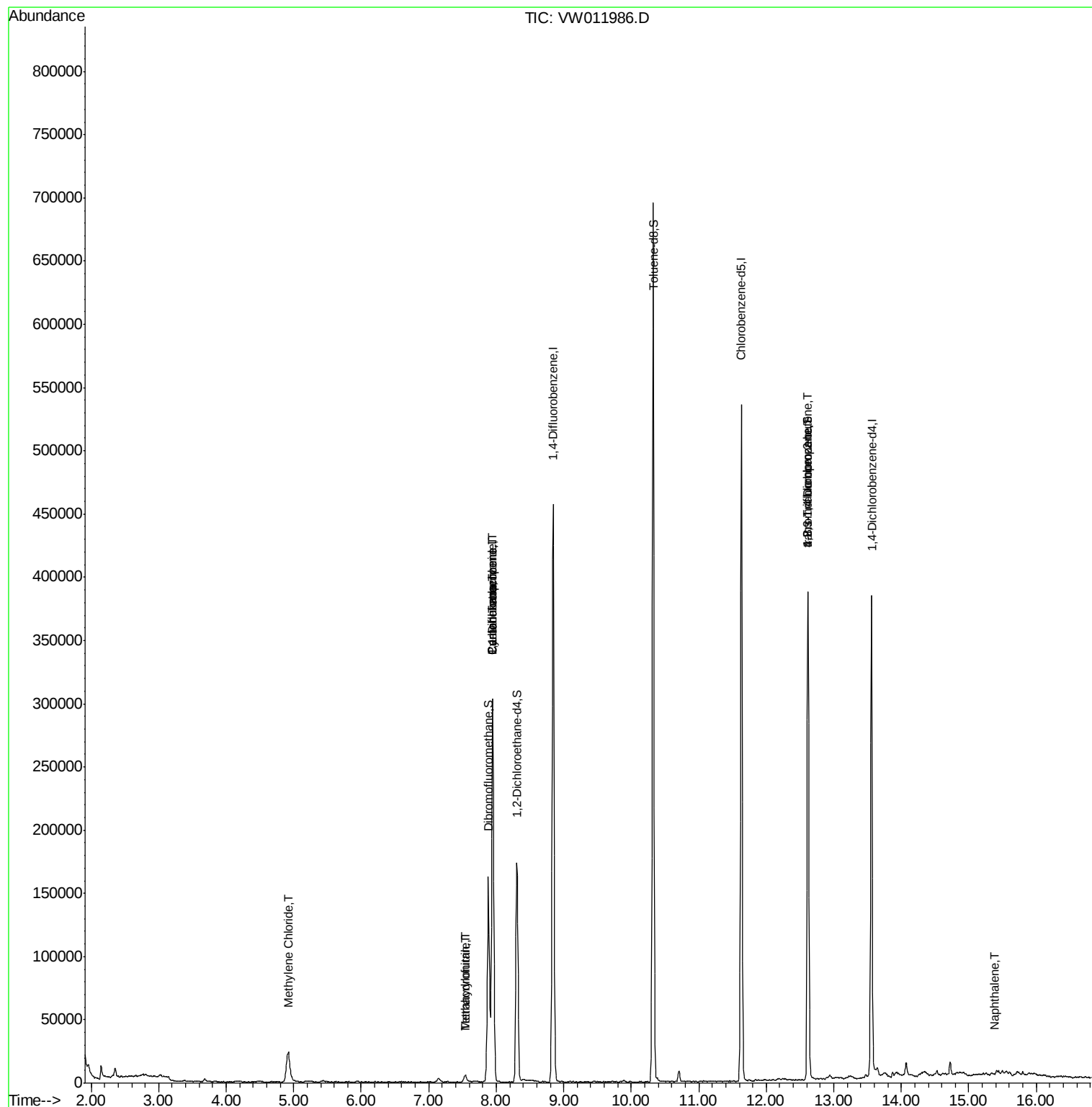
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	598	Below Cal	#	72
20) Methylene Chloride	4.92	84	18896	6.856	ug/l	95
29) Tetrahydrofuran	7.54	42	5413	9.056	ug/l	97
31) Cyclohexane	7.95	56	5494	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18702	4.914	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22173	6.805	ug/l #	17
41) Methacrylonitrile	7.53	41	3102	2.370	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	67580	66.295	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67580	152.786	ug/l #	6
95) Naphthalene	15.38	128	259	2.131	ug/l #	69

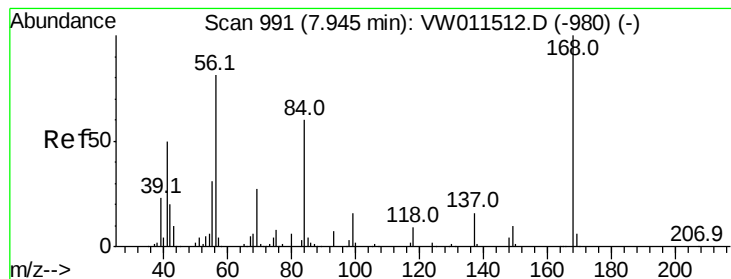
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 27 00:23:30 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: VW011986.D

Acq: 19 Aug 2019 12:57

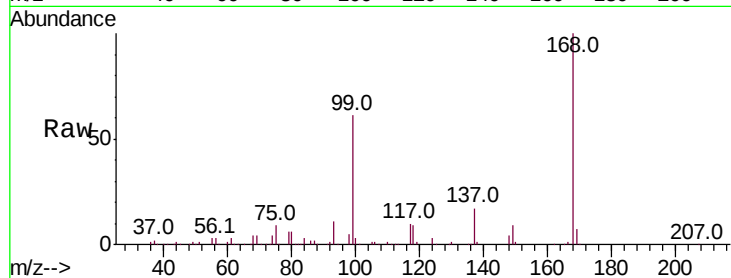
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 218778

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

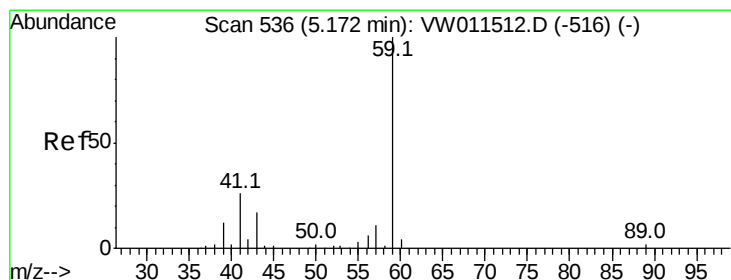
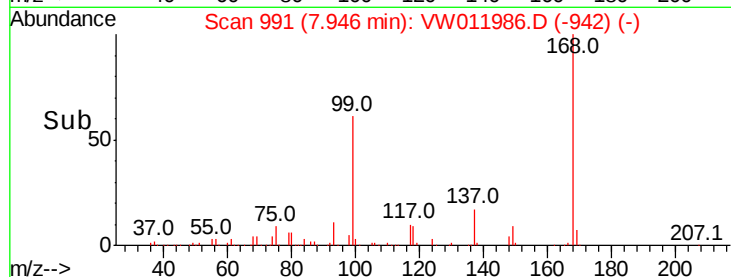
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011986.D

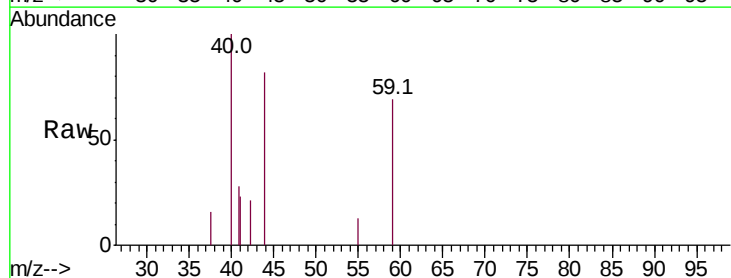
Acq: 19 Aug 2019 12:57

Tgt Ion: 59 Resp: 598

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

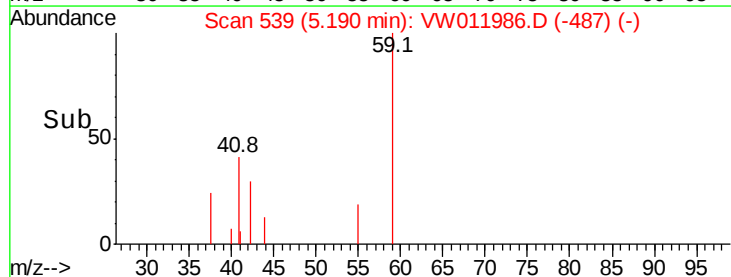
300

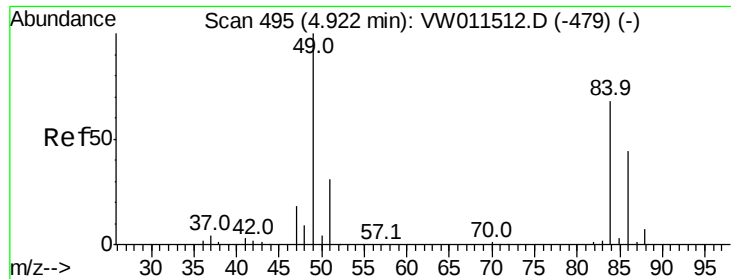
200

100

0

Time-->

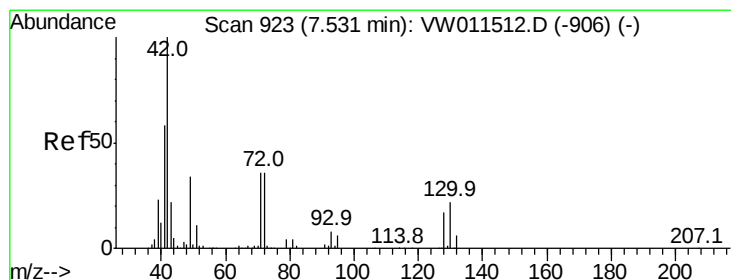
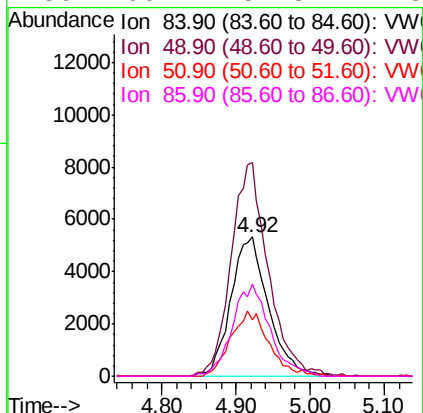
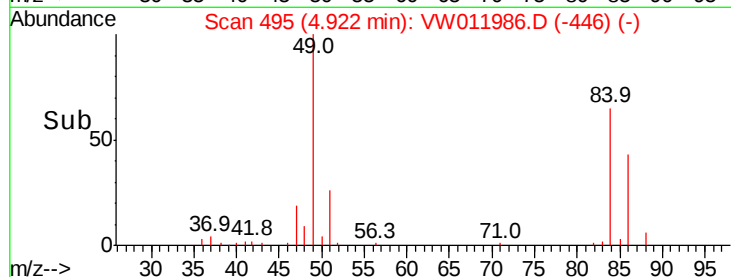
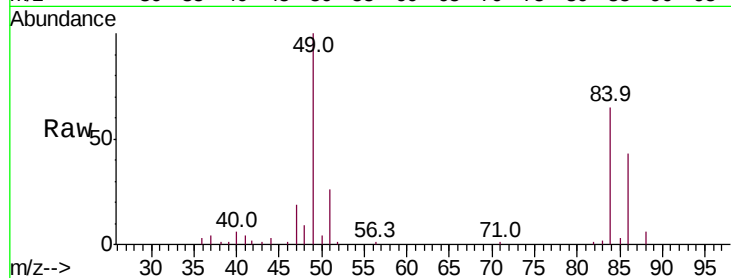




#20
Methvlene Chloride
Concen: 6.856 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

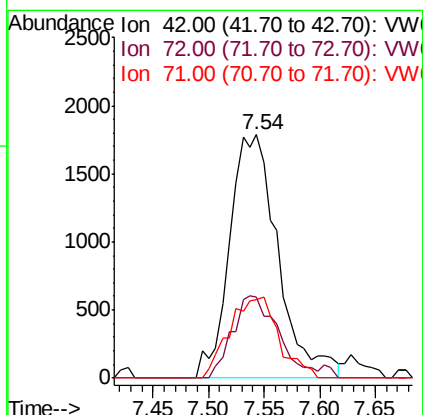
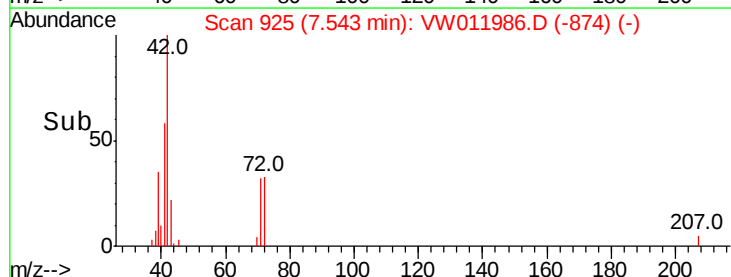
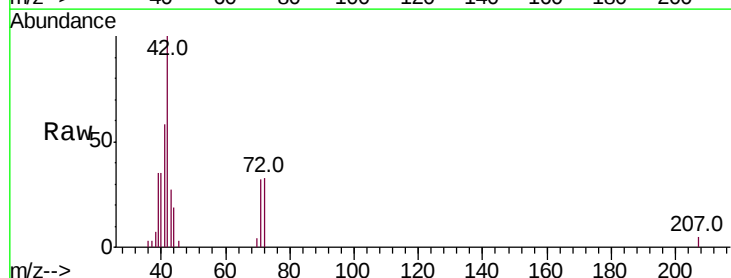
Instrument :
MSVOA_W
ClientSampled :

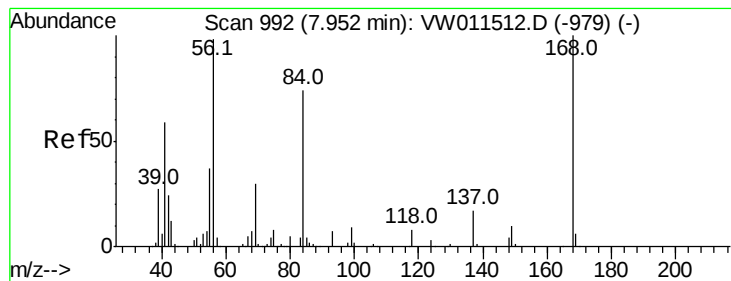
Tot Ion:	84	Resp:	18896
Ion	Ratio	Lower	Upper
84	100		
49	153.3	117.8	176.6
51	40.6	37.0	55.4
86	66.1	51.8	77.8



#29
Tetrahydrofuran
Concen: 9.056 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Tgt Ion:	42	Resp:	5413
Ion	Ratio	Lower	Upper
42	100		
72	31.9	27.1	40.7
71	33.7	26.2	39.4





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011986.D

Acq: 19 Aug 2019 12:57

Instrument :
MSVOA_W
ClientSampled :

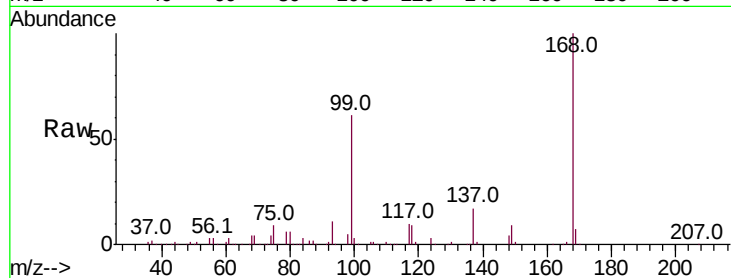
Tot Ion: 56 Resp: 5494

Ion Ratio Lower Upper

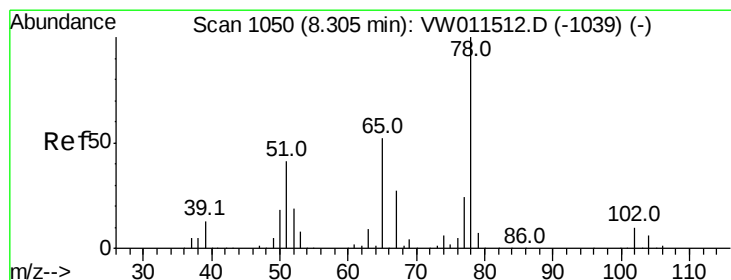
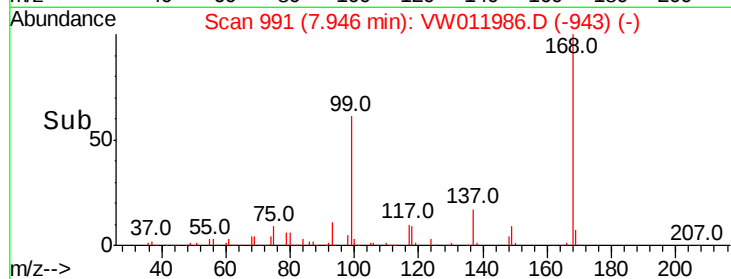
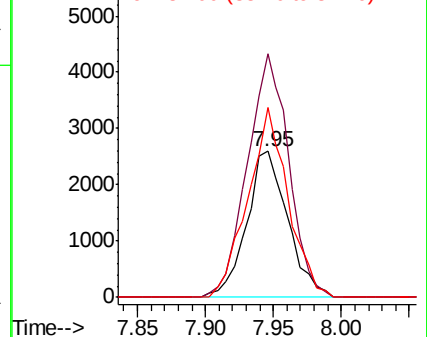
56 100

69 166.5 24.3 36.5#

84 129.4 60.4 90.6#



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: 54.918 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011986.D

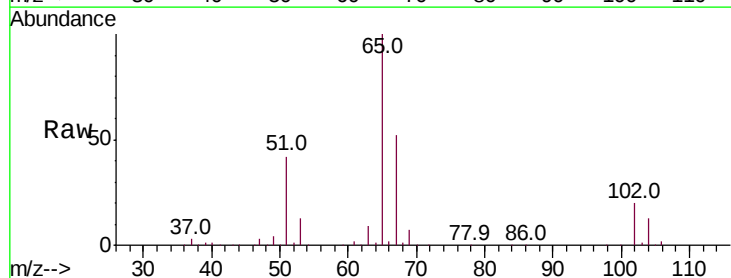
Acq: 19 Aug 2019 12:57

Tgt Ion: 65 Resp: 137964

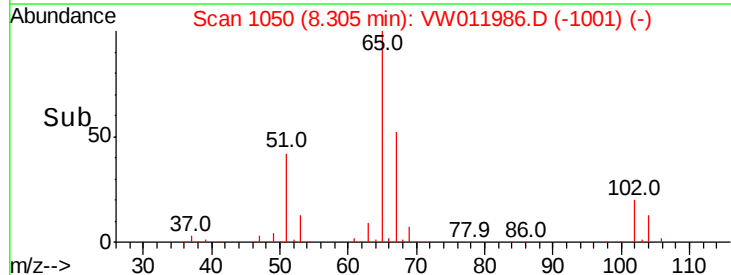
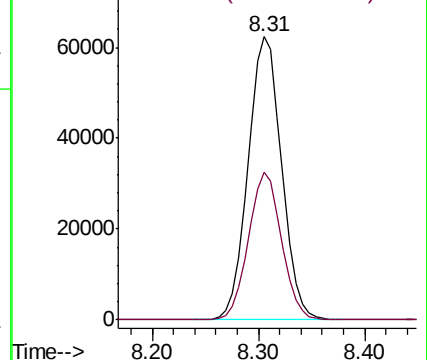
Ion Ratio Lower Upper

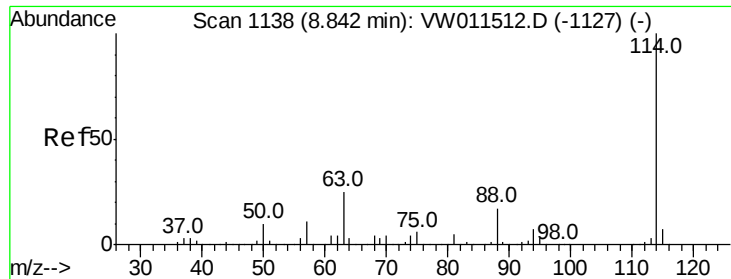
65 100

67 51.4 0.0 105.2



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

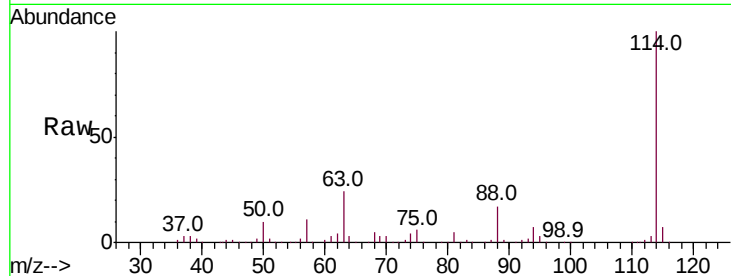




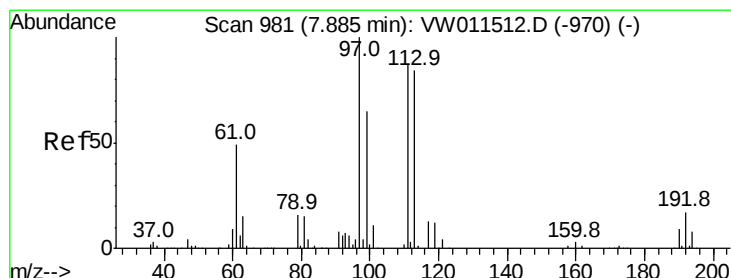
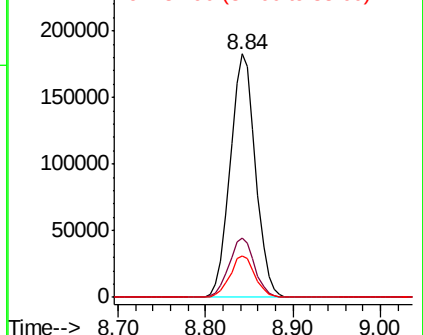
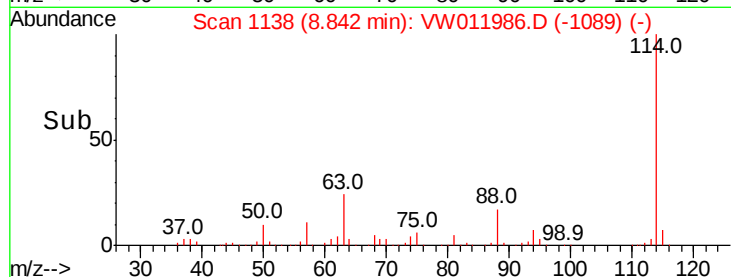
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011986.D
 Acq: 19 Aug 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.2	0.0	33.8

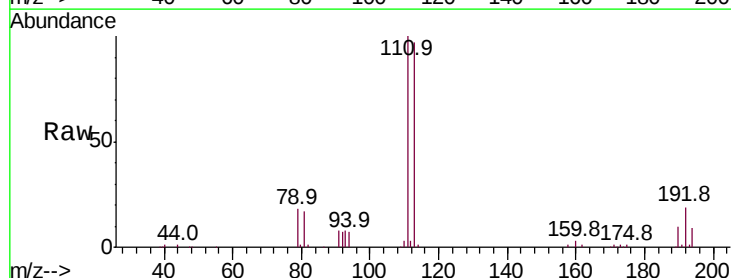


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

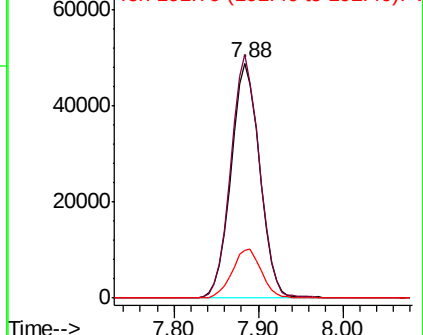
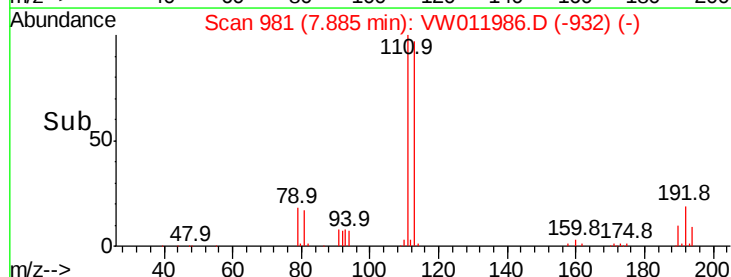


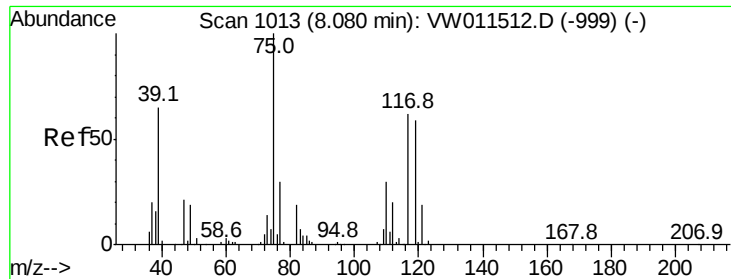
#35
 Dibromofluoromethane
 Concen: 54.881 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011986.D
 Acq: 19 Aug 2019 12:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	21.0	16.1	24.1



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

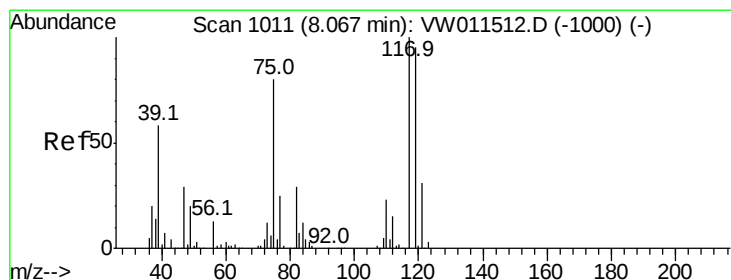
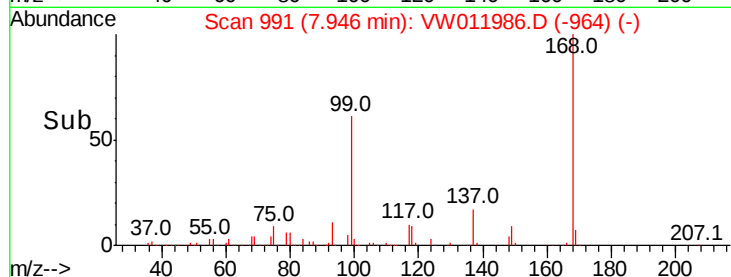
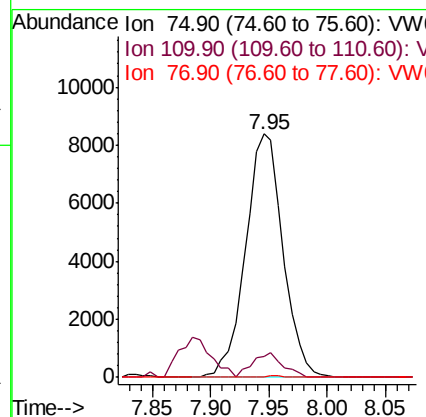
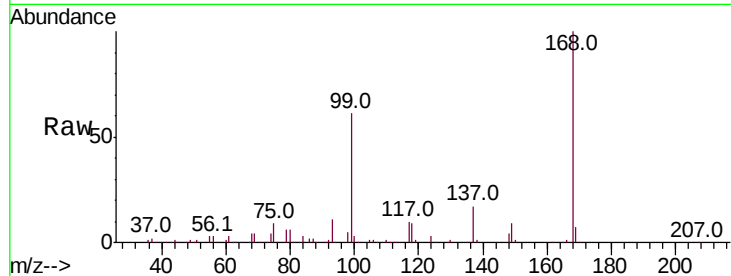




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011986.D
 Acq: 19 Aug 2019 12:57

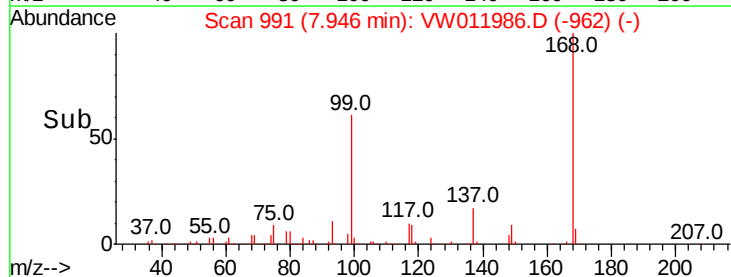
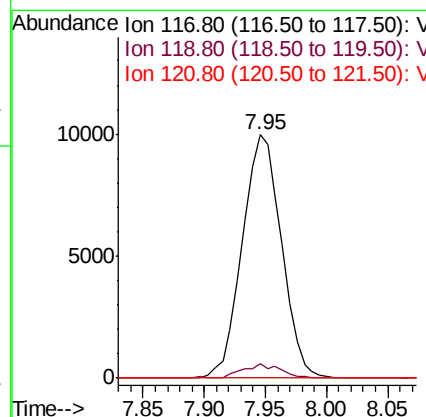
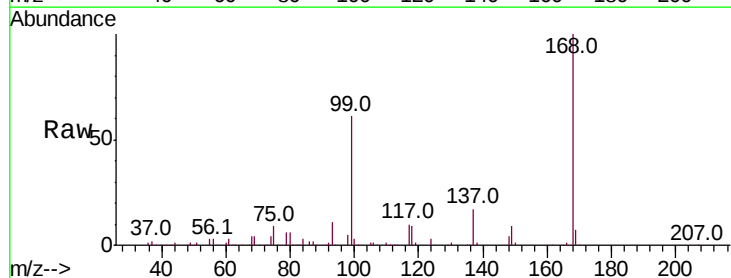
Instrument :
 MSVOA_W
 ClientSampleID :

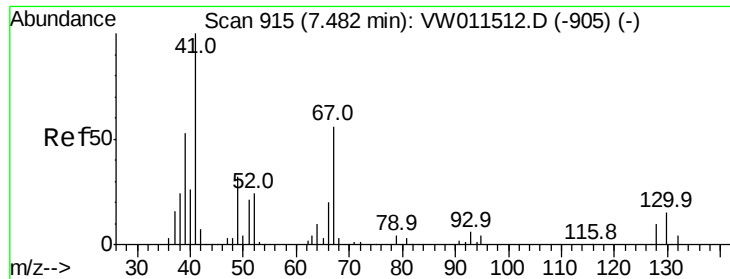
Tot Ion: 75 Resp: 18702
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.805 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011986.D
 Acq: 19 Aug 2019 12:57

Tgt Ion: 117 Resp: 22173
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.8 113.6#
 121 0.0 24.7 37.1#

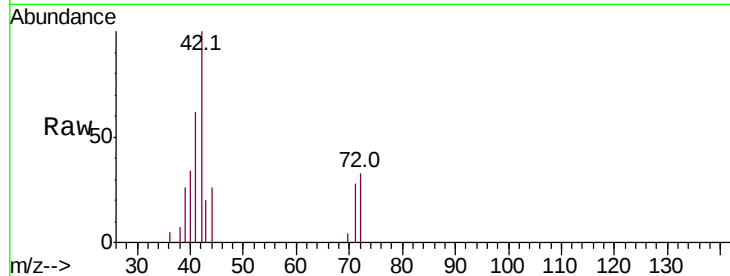




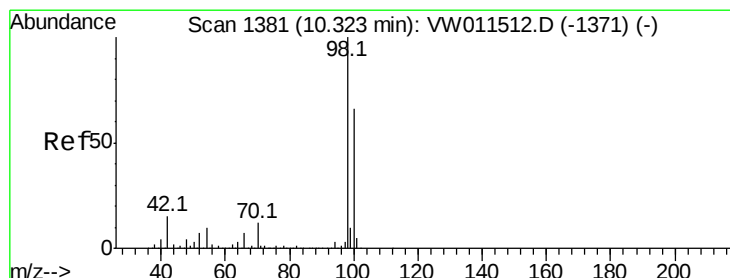
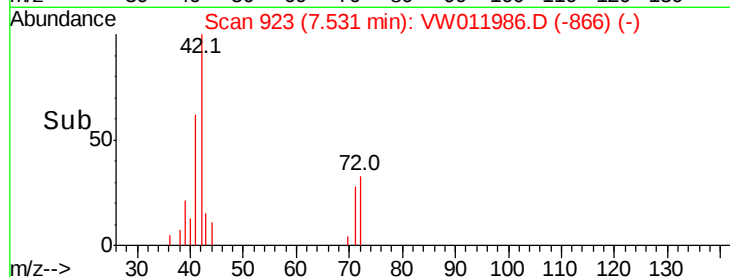
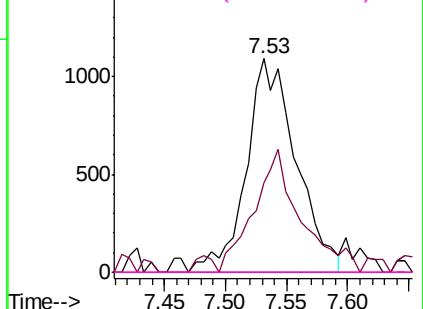
#41
Methacrylonitrile
Concen: 2.370 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	3102
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#

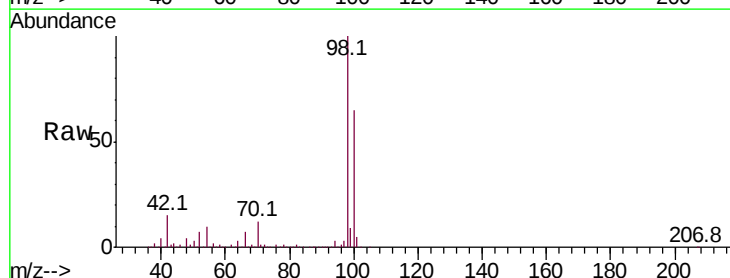


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

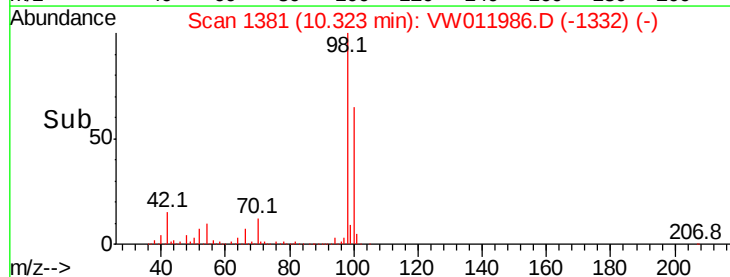
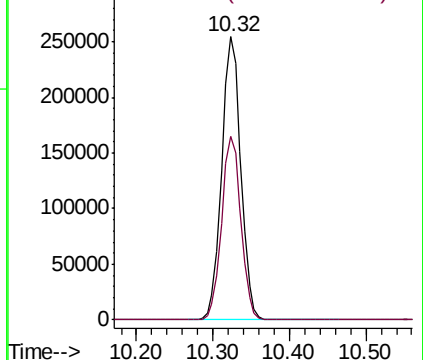


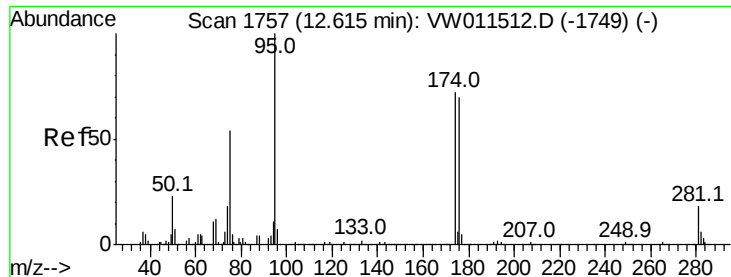
#50
Toluene-d8
Concen: 52.155 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Tgt Ion:	98	Resp:	438492
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



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

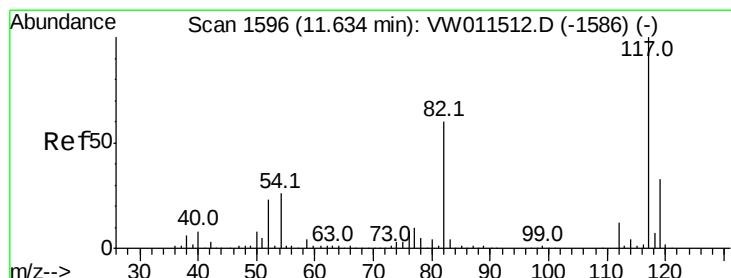
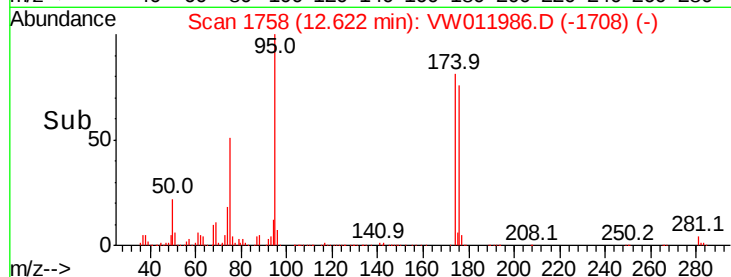
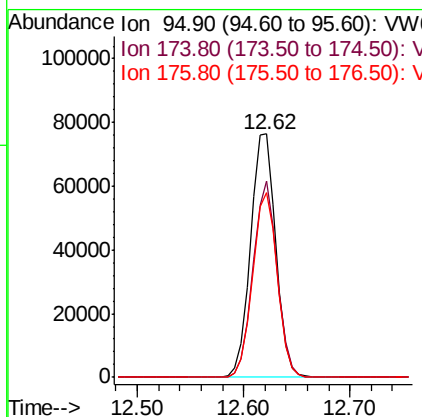
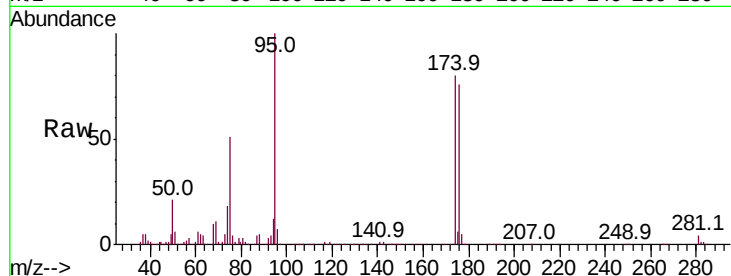




#62
4-Bromofluorobenzene
Concen: 42.499 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

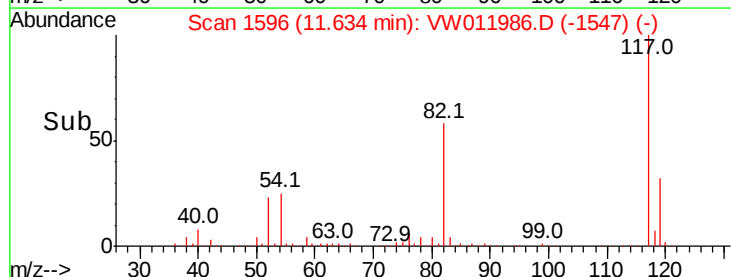
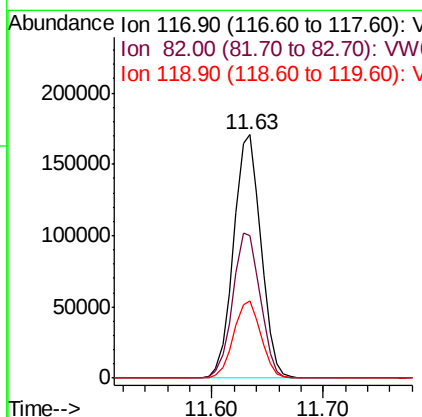
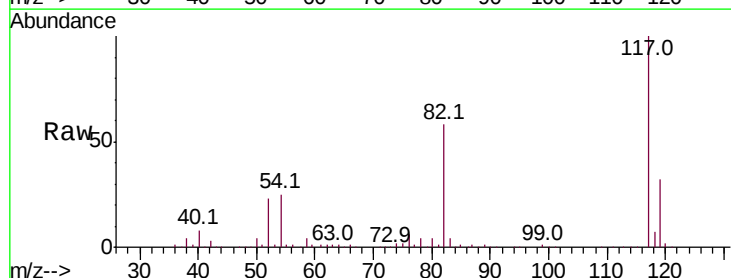
Instrument :
MSVOA_W
ClientSampleId :

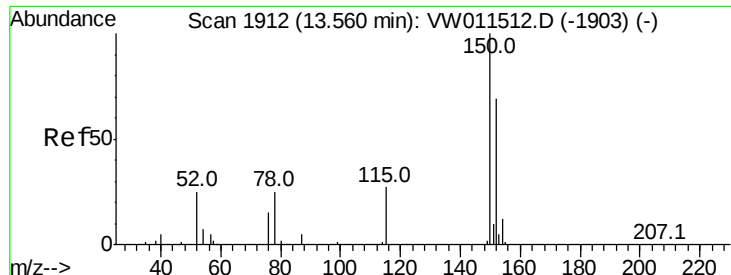
Tot Ion: 95 Resp: 127389
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.2
176 74.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Tgt Ion: 117 Resp: 290047
Ion Ratio Lower Upper
117 100
82 58.4 47.9 71.9
119 31.6 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: VW011986.D

Acq: 19 Aug 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

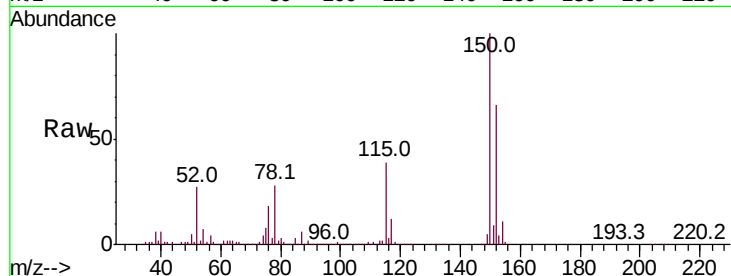
Tot Ion:152 Resp: 96340

Ion Ratio Lower Upper

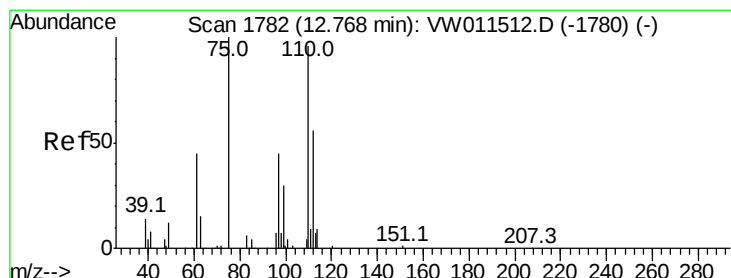
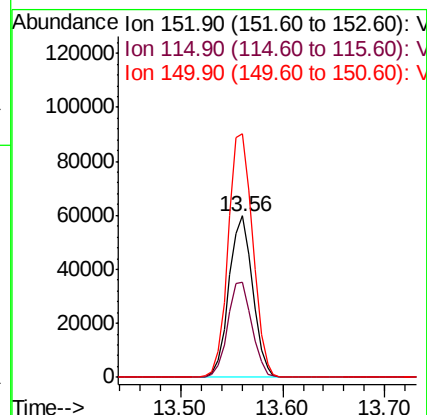
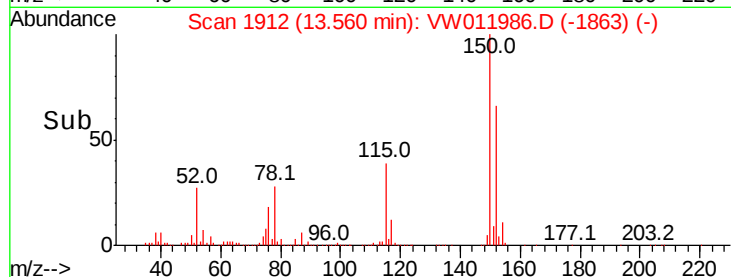
152 100

115 60.0 30.5 91.5

150 156.1 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: 66.295 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011986.D

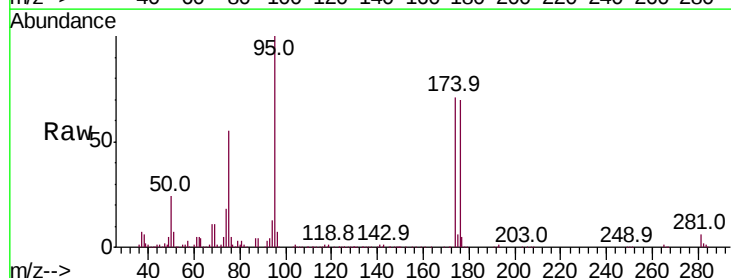
Acq: 19 Aug 2019 12:57

Tgt Ion: 75 Resp: 67580

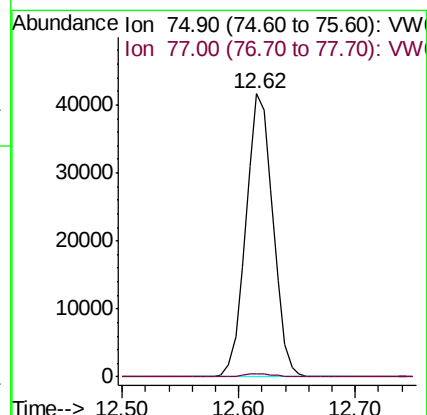
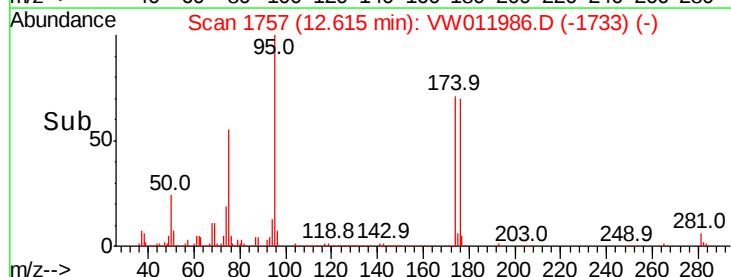
Ion Ratio Lower Upper

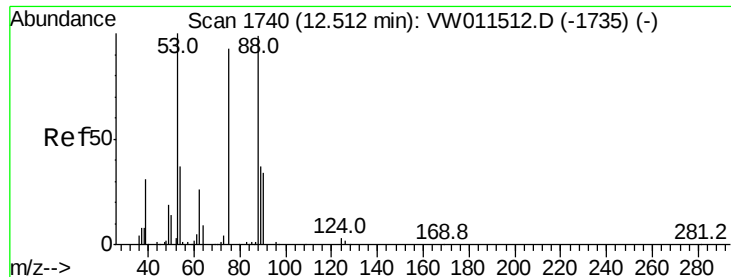
75 100

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

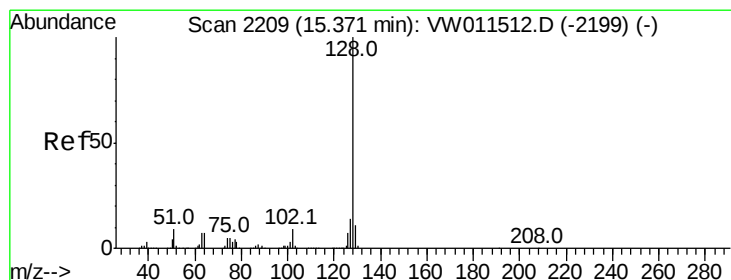
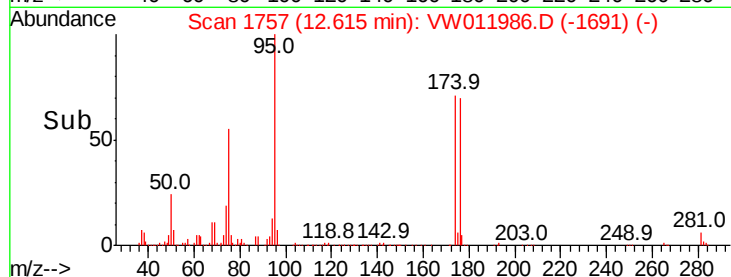
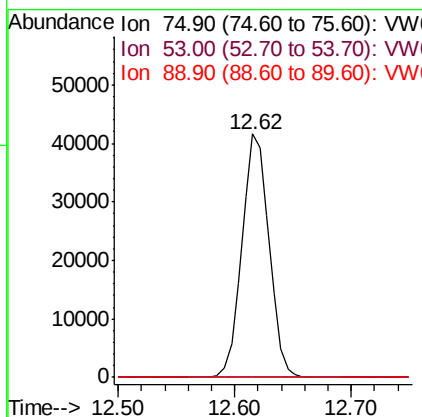
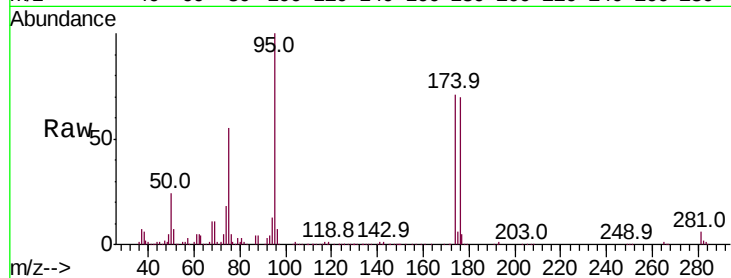




#81
trans-1,4-Dichloro-2-butene
Concen: 152.786 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.3	88.0	132.0#
89	0.0	35.3	52.9#



#95
Naphthalene
Concen: 2.131 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW011986.D
Acq: 19 Aug 2019 12:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

