

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009613.D
 Acq On : 31 Mar 2019 16:21
 Operator : SY/VA
 Sample : K2131-04
 Misc : 6.17G/5.0ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:55:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169666	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	127330	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	
35) Dibromofluoromethane	7.88	113	101347	36.96	ug/l	0.00
Spiked Amount			Recovery	=	73.92%	
50) Toluene-d8	10.32	98	342249	33.77	ug/l	0.00
Spiked Amount			Recovery	=	67.54%	
62) 4-Bromofluorobenzene	12.62	95	114026	30.16	ug/l	0.00
Spiked Amount			Recovery	=	60.32%	

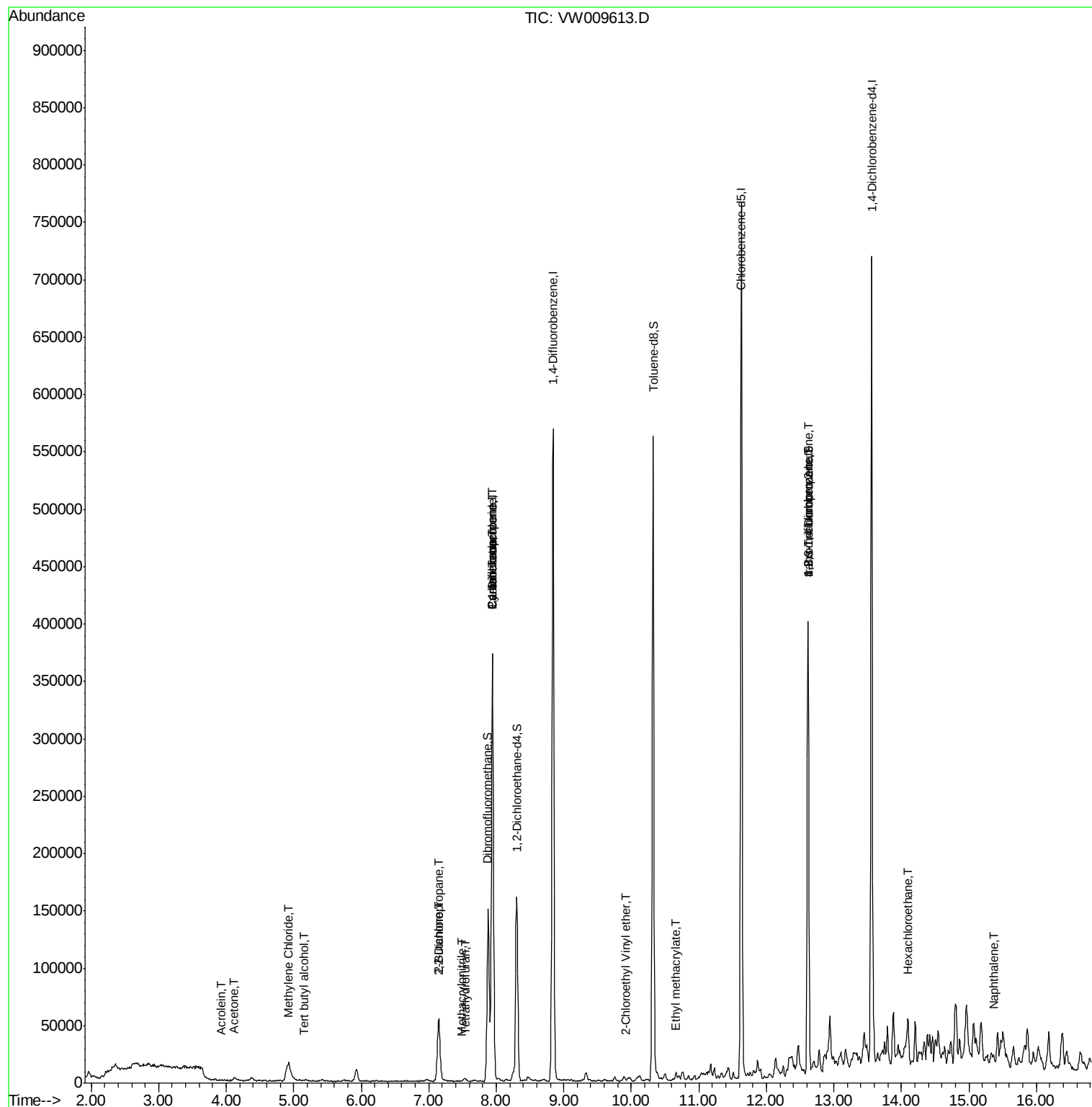
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	208	Below Cal		73
11) Tert butyl alcohol	5.15	59	284	1.646	ug/l #	44
13) Acrolein	3.92	56	135	1.066	ug/l #	76
16) Acetone	4.12	43	5020	7.501	ug/l	98
20) Methylene Chloride	4.93	84	15280	2.104	ug/l	93
25) 2-Butanone	7.15	43	3599	3.892	ug/l #	73
26) 2,2-Dichloropropane	7.14	77	3620	1.212	ug/l #	52
29) Tetrahydrofuran	7.54	42	1938	3.375	ug/l #	88
31) Cyclohexane	7.94	56	7984	1.630	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	23636	5.234	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27203	5.879	ug/l #	18
41) Methacrylonitrile	7.48	41	93	3.983	ug/l #	28
56) Ethyl methacrylate	10.65	69	753	4.016	ug/l #	2
58) 2-Chloroethyl Vinyl ether	9.92	63	29	17.034	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	65116	40.812	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65116	94.907	ug/l #	7
90) Hexachloroethane	14.10	117	2238	1.052	ug/l #	11
95) Naphthalene	15.37	128	2443	3.074	ug/l #	75

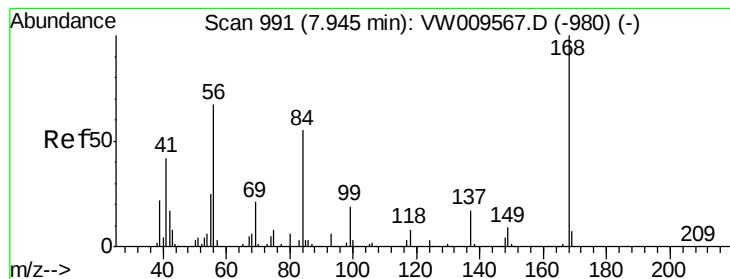
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\
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Quant Time: Apr 01 04:55:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 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: VW009613.D

Acq: 31 Mar 2019 16:21

Instrument :

MSVOA_W

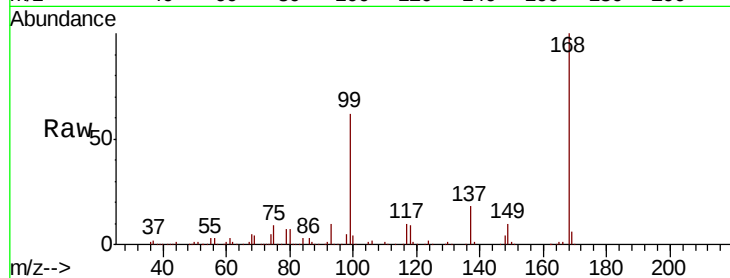
ClientSampleId :

Tot Ion:168 Resp: 260302

Ion Ratio Lower Upper

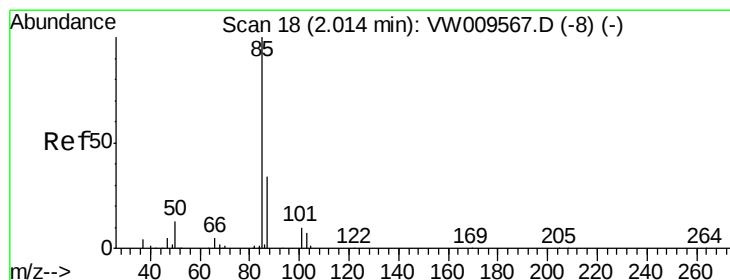
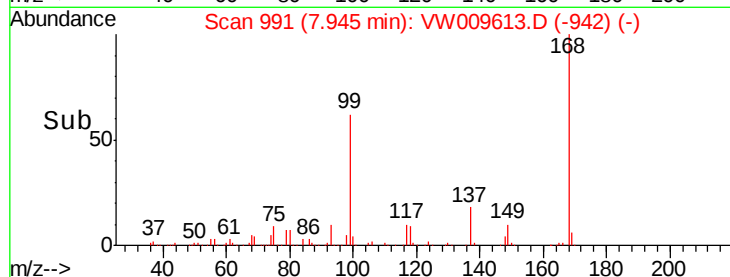
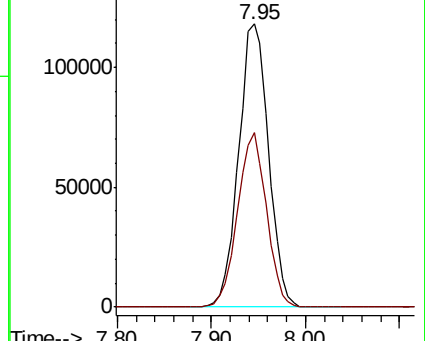
168 100

99 61.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009613.D

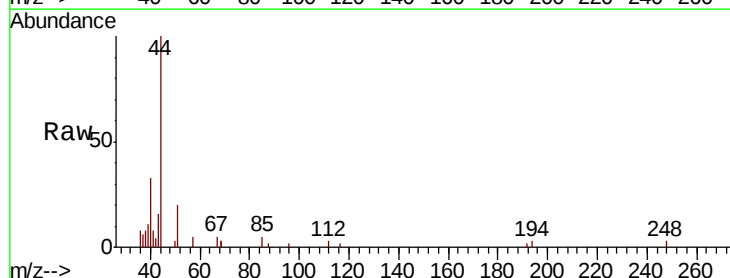
Acq: 31 Mar 2019 16:21

Tgt Ion: 85 Resp: 208

Ion Ratio Lower Upper

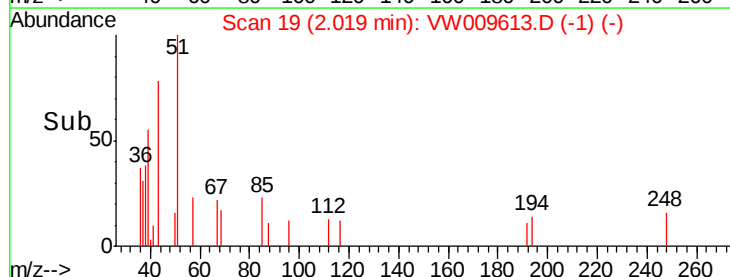
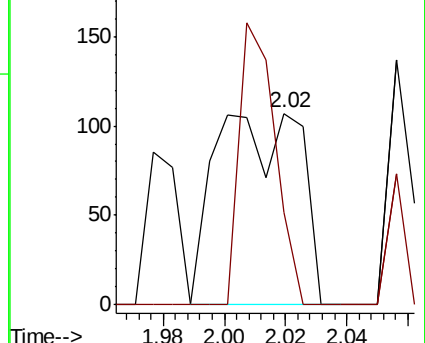
85 100

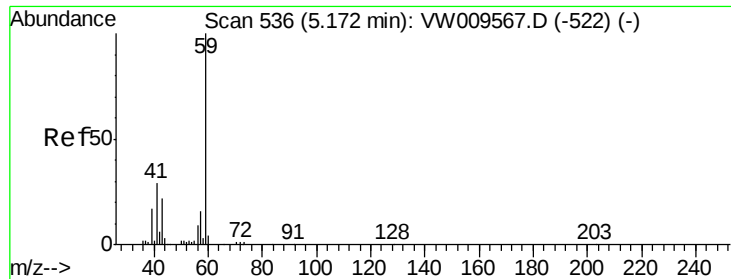
87 48.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

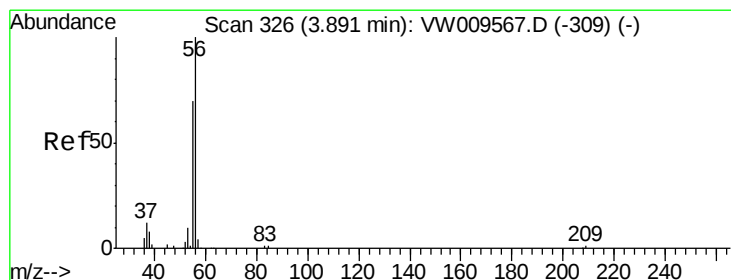
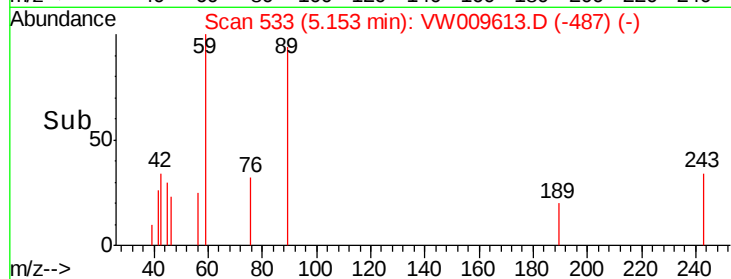
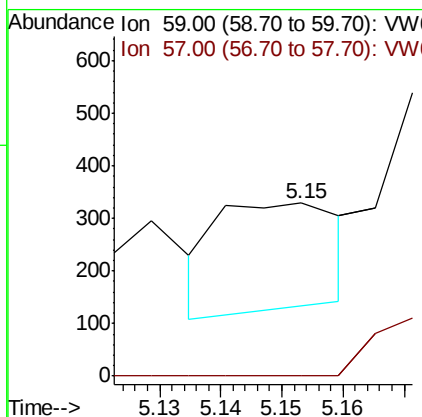
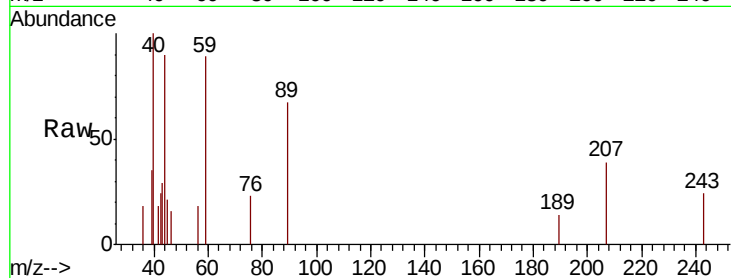




#11
Tert butyl alcohol
Concen: 1.646 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

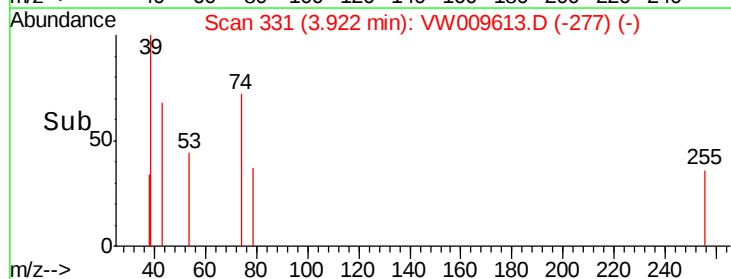
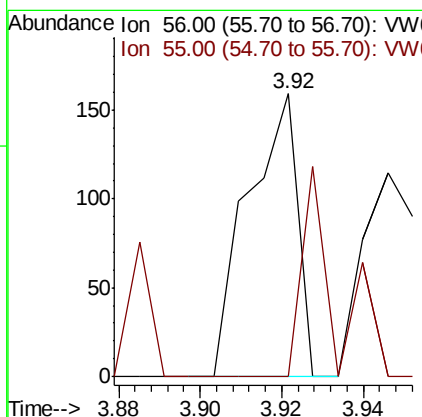
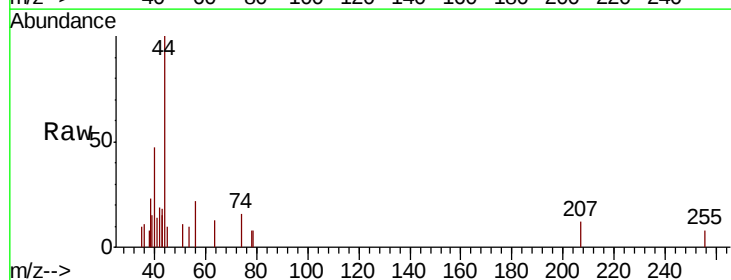
Instrument :
MSVOA_W
ClientSampled :

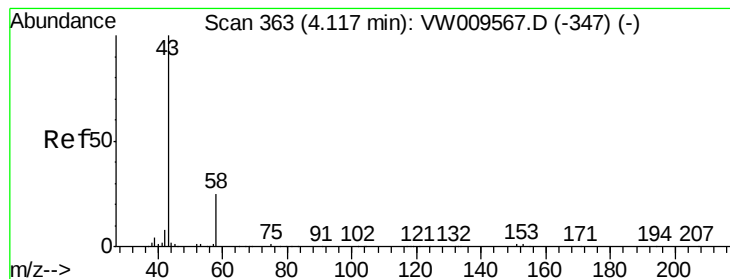
Tot Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 33.5 9.4 14.0#



#13
Acrolein
Concen: 1.066 ug/l
RT: 3.92 min Scan# 331
Delta R.T. 0.03 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 49.6 55.2 82.8#





#16

Acetone

Concen: 7.501 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

Instrument :

MSVOA_W

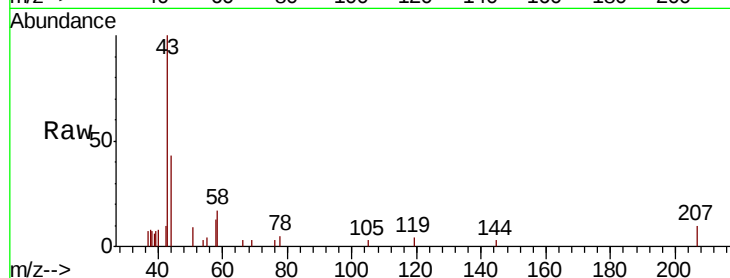
ClientSampled :

Tot Ion: 43 Resp: 5020

Ion Ratio Lower Upper

43 100

58 30.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1500

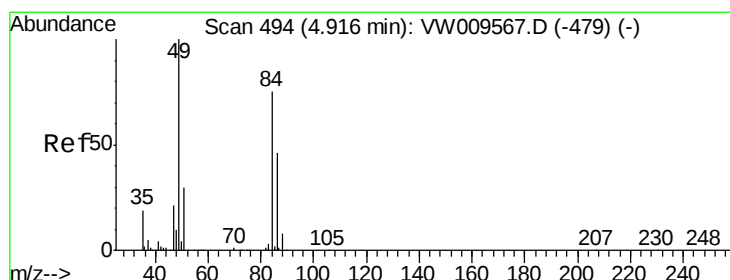
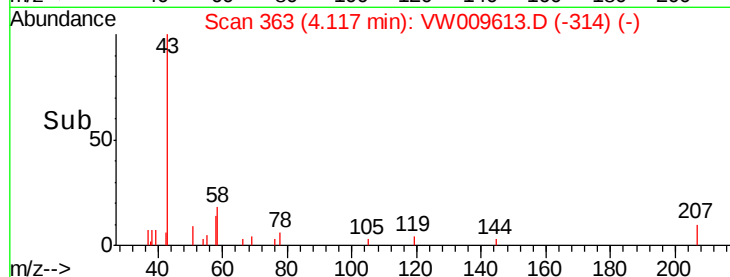
1000

500

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 2.104 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

Tgt Ion: 84 Resp: 15280

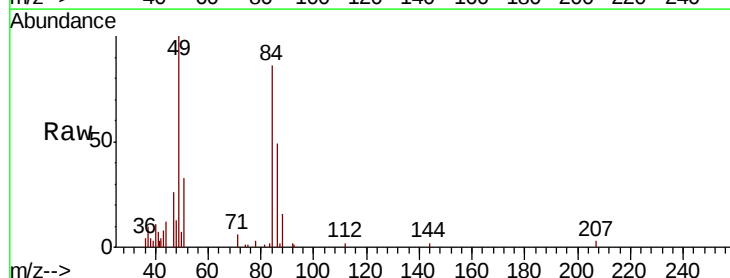
Ion Ratio Lower Upper

84 100

49 117.0 99.1 148.7

51 39.0 28.7 43.1

86 56.8 50.5 75.7



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

4.93

6000

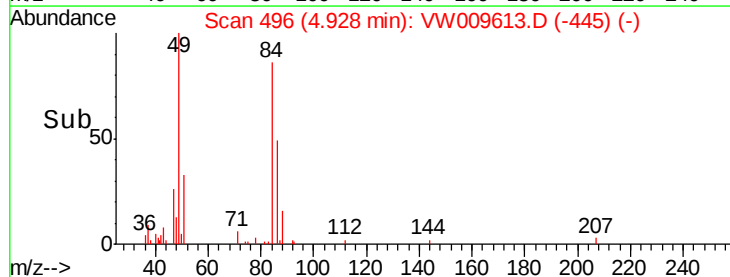
4000

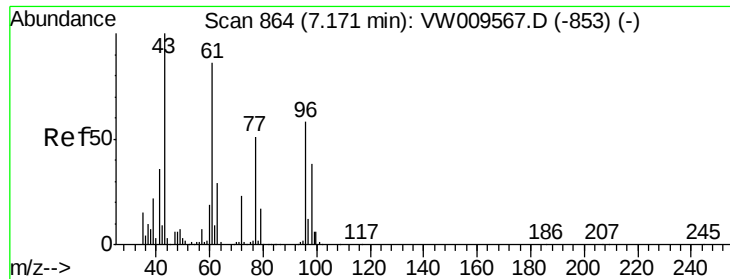
2000

0

4.80 4.90 5.00 5.10

Time-->

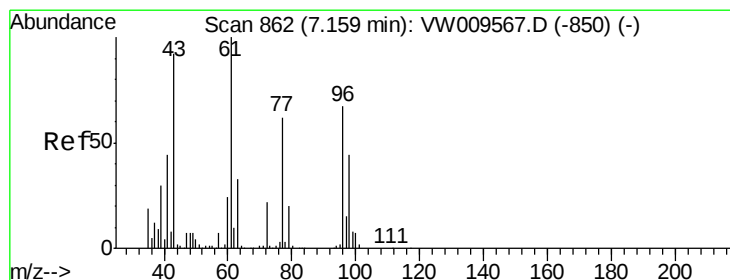
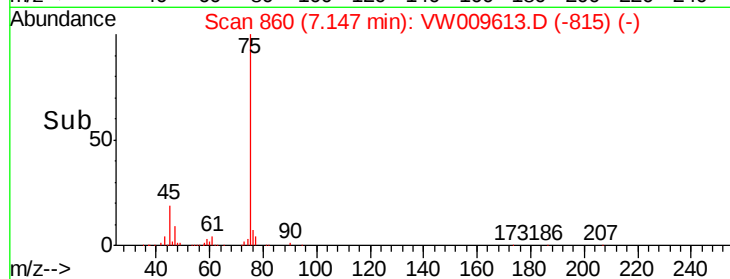
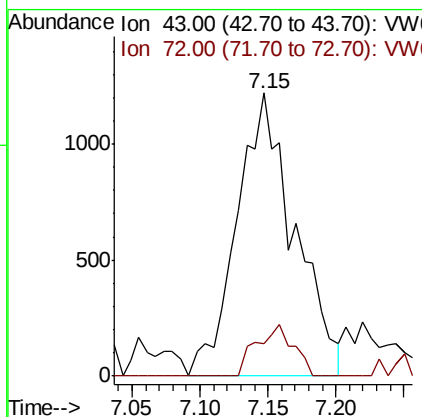
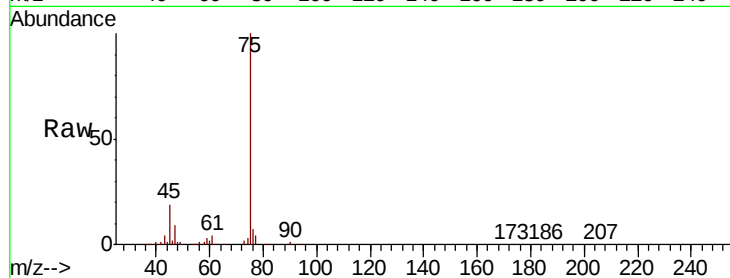




#25
 2-Butanone
 Concen: 3.892 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

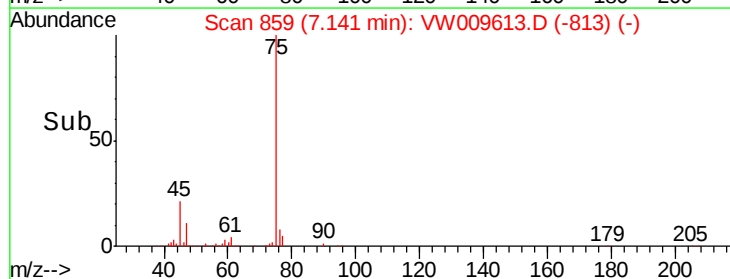
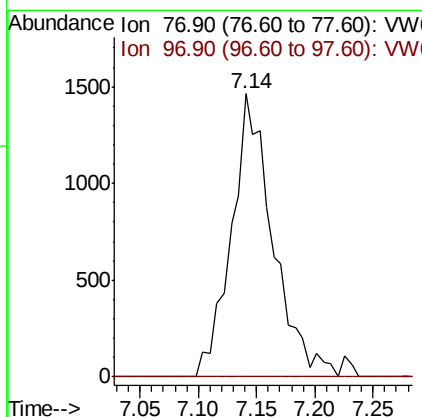
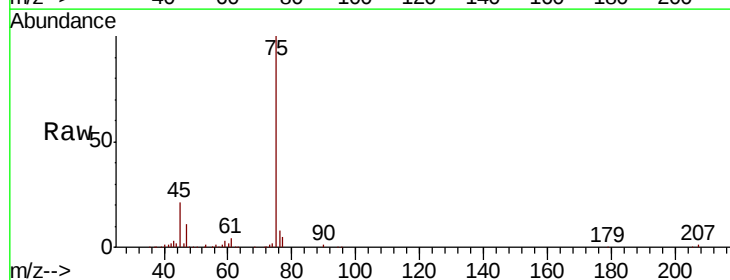
Instrument :
 MSVOA_W
 ClientSampled :

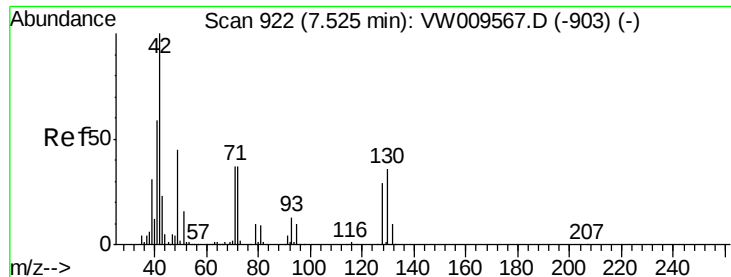
Tot Ion: 43 Resp: 3599
 Ion Ratio Lower Upper
 43 100
 72 11.6 20.0 30.0#



#26
 2,2-Dichloropropane
 Concen: 1.212 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

Tgt Ion: 77 Resp: 3620
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.7#

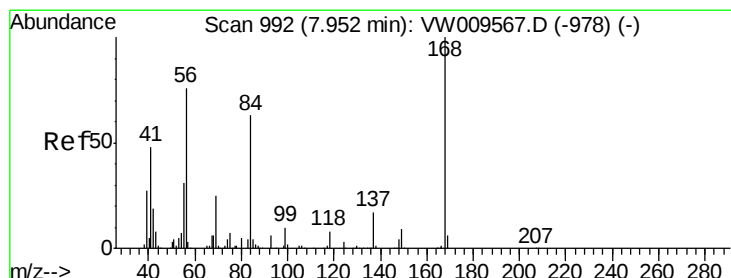
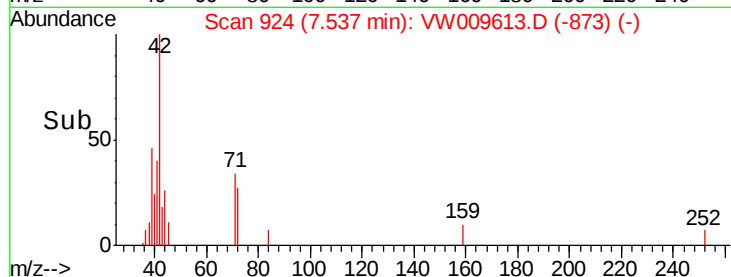
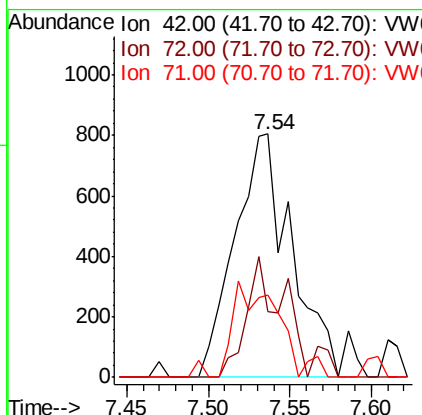
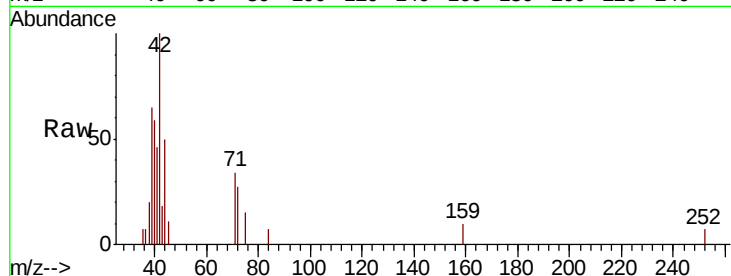




#29
Tetrahydrofuran
Concen: 3.375 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

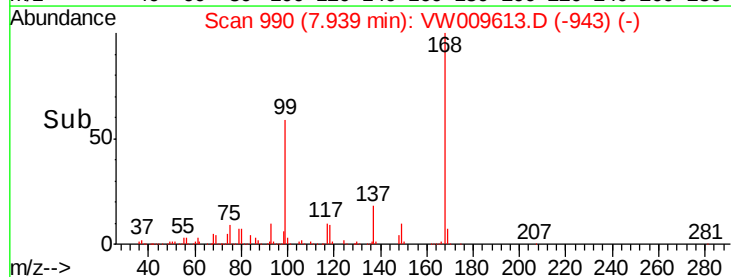
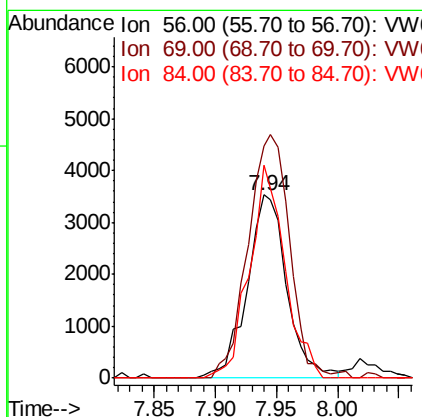
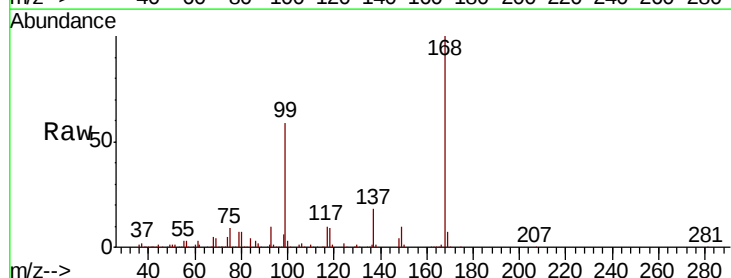
Instrument :
MSVOA_W
ClientSampleId :

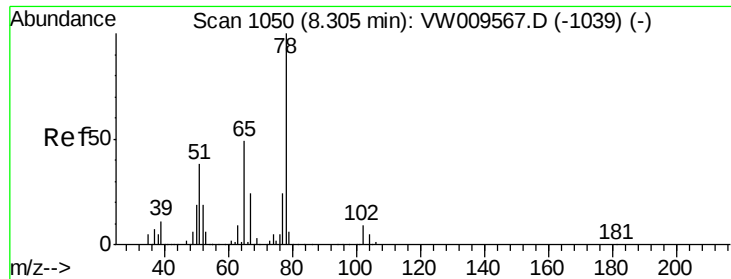
Tot Ion: 42 Resp: 1938
Ion Ratio Lower Upper
42 100
72 31.6 32.4 48.6#
71 31.5 30.1 45.1



#31
Cyclohexane
Concen: 1.630 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

Tgt Ion: 56 Resp: 7984
Ion Ratio Lower Upper
56 100
69 126.8 26.1 39.1#
84 116.4 68.6 103.0#

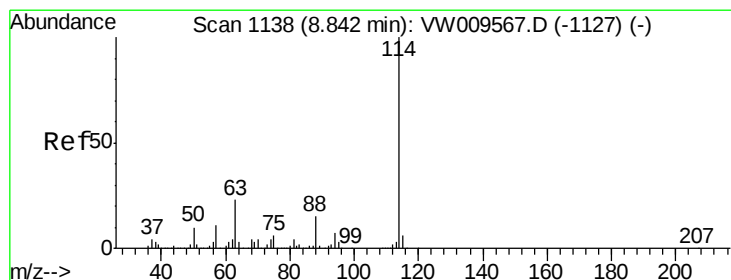
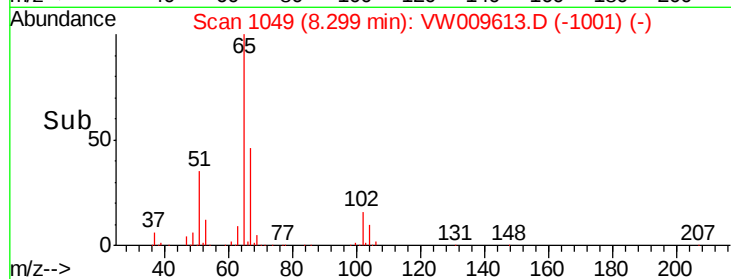
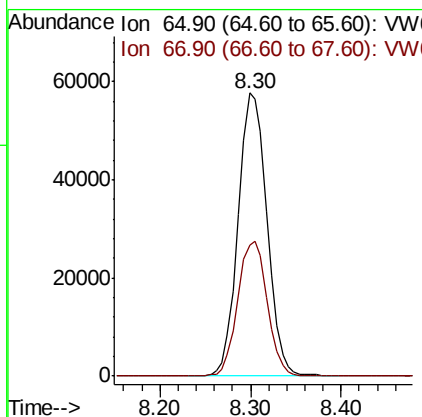
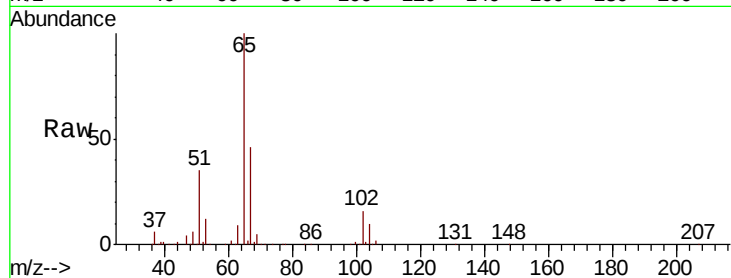




#33
 1,2-Dichloroethane-d4
 Concen: 42.776 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

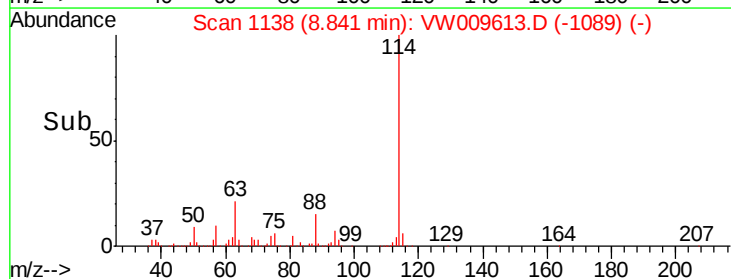
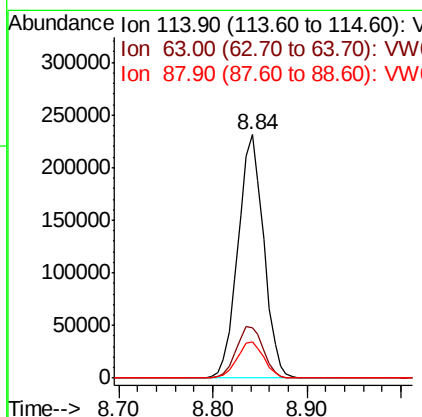
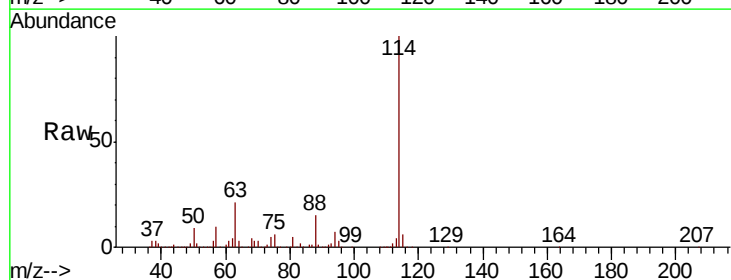
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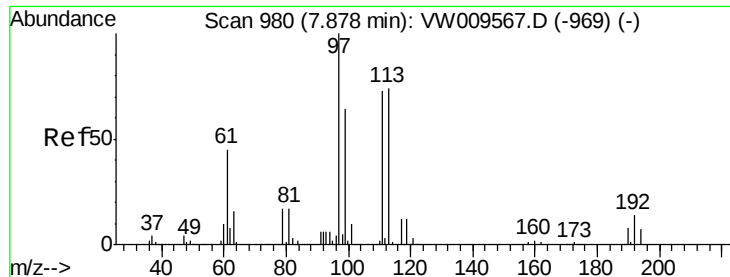
Tot Ion: 65 Resp: 127330
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

Tgt Ion: 114 Resp: 436580
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 36.960 ug/l

RT: 7.88 min Scan# 980

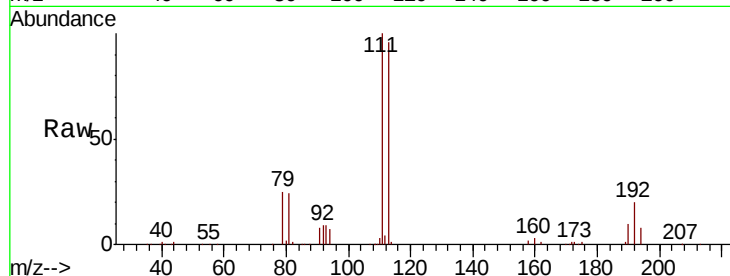
Delta R.T. -0.00 min

Lab File: VW009613.D

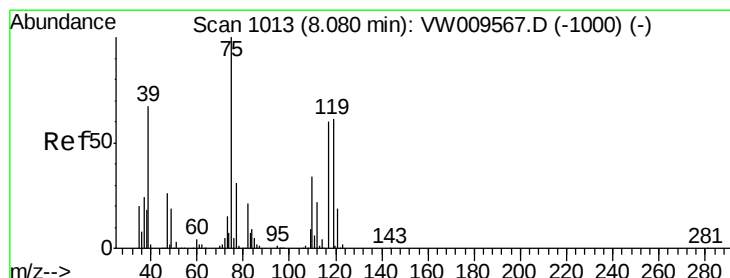
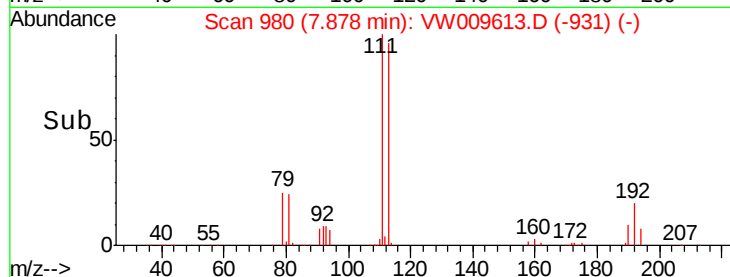
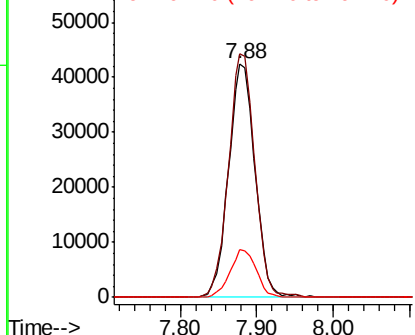
Acq: 31 Mar 2019 16:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	20.1	16.4	24.6



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: 5.234 ug/l

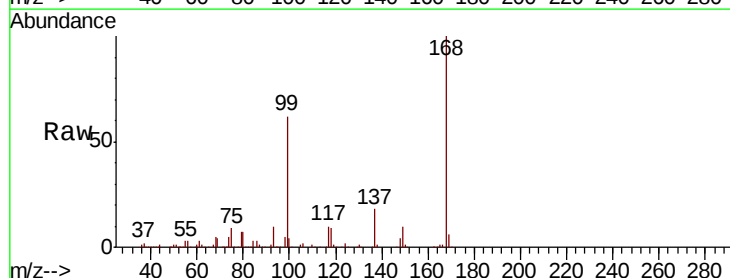
RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

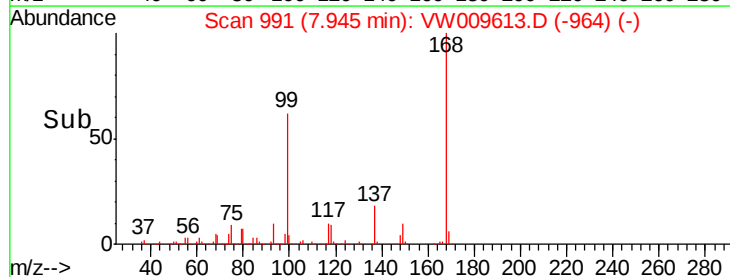
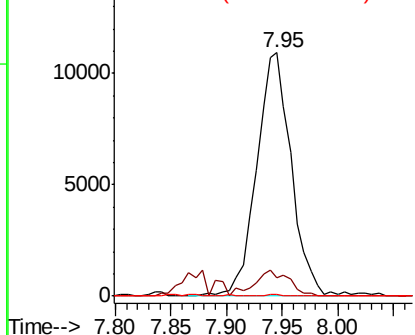
Lab File: VW009613.D

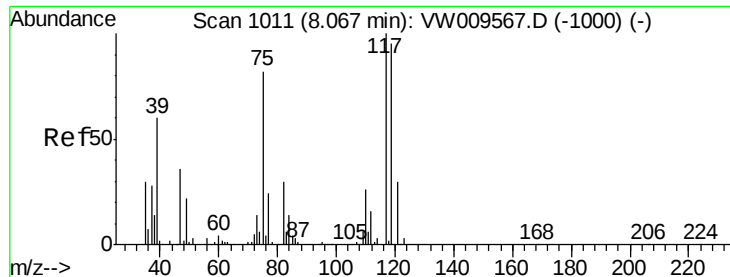
Acq: 31 Mar 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.8	50.4#
77	0.2	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

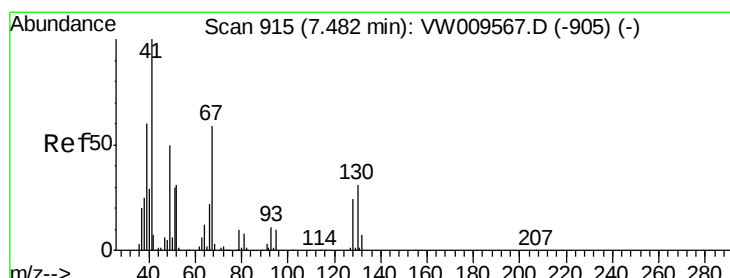
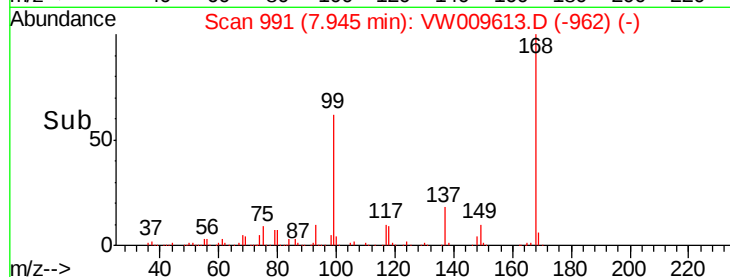
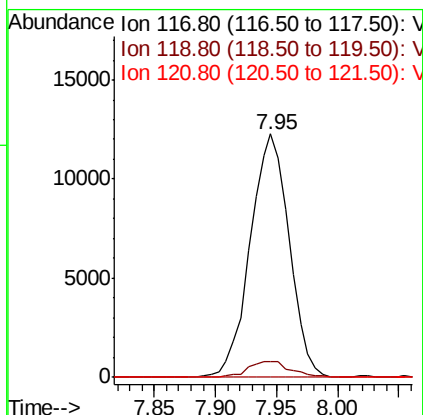
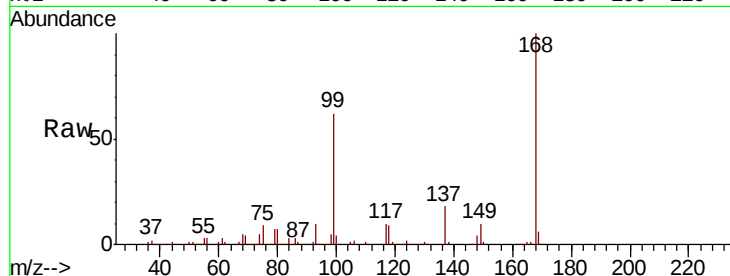




#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

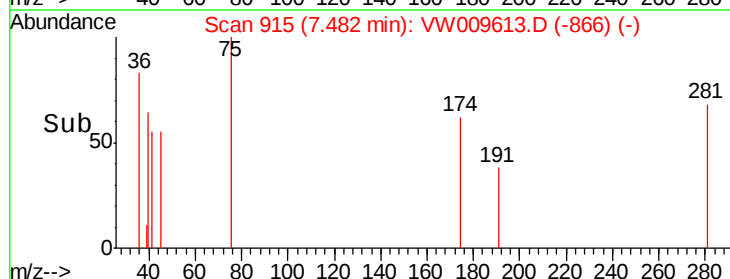
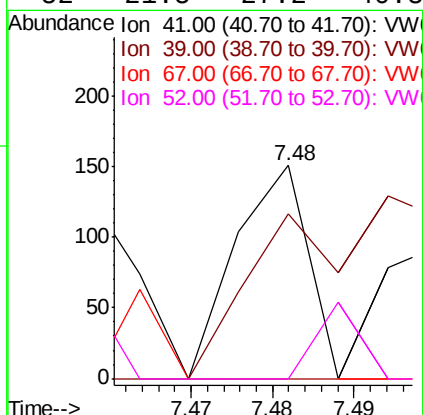
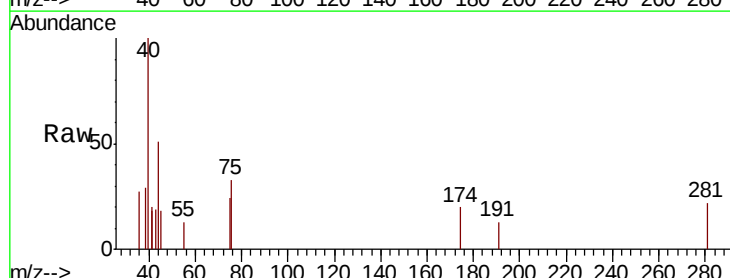
Instrument :
MSVOA_W
ClientSampled :

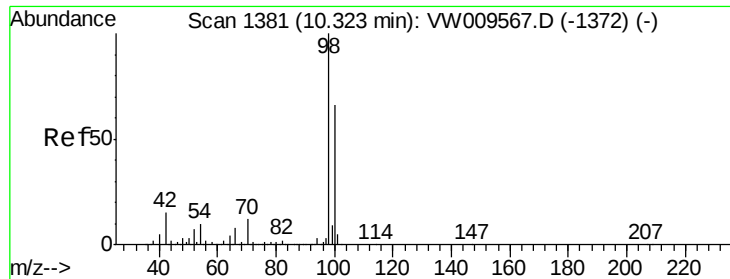
Tot Ion:117 Resp: 27203
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.0#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 3.983 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

Tgt Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 0.0 56.6 84.8#
52 21.5 27.2 40.8#





#50

Toluene-d8

Concen: 33.769 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

Instrument :

MSVOA_W

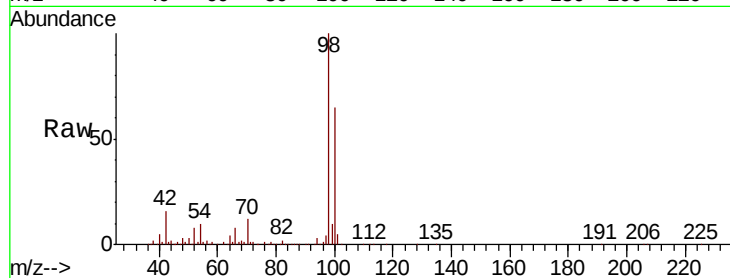
ClientSampled :

Tot Ion: 98 Resp: 342249

Ion Ratio Lower Upper

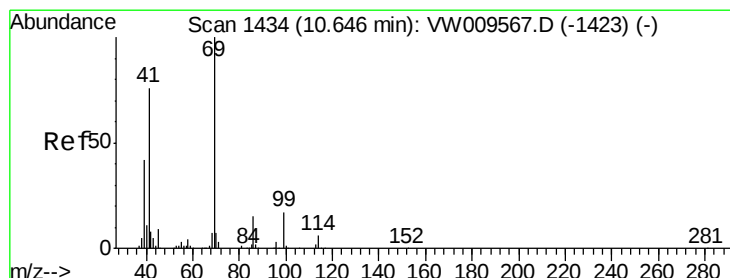
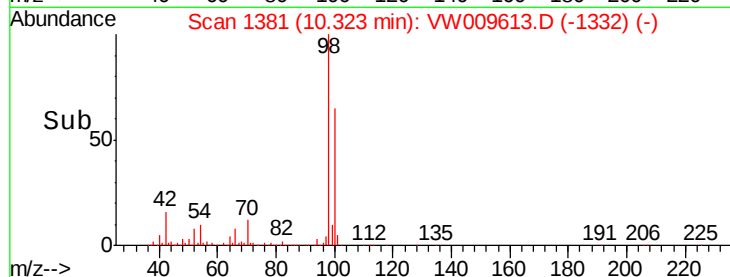
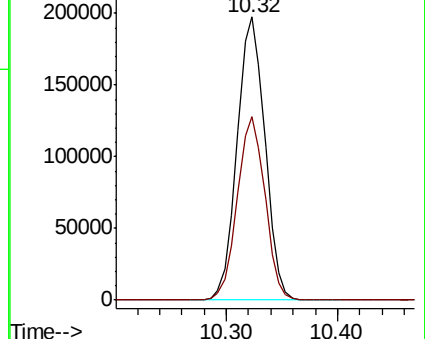
98 100

100 64.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 4.016 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

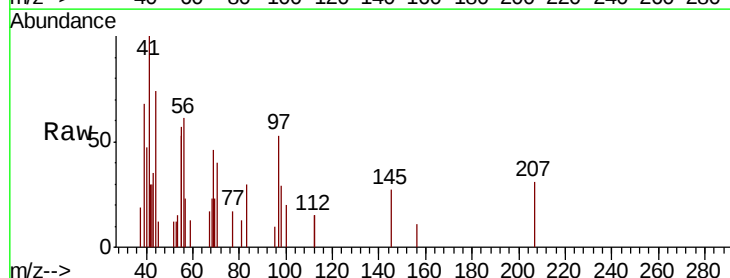
Tgt Ion: 69 Resp: 753

Ion Ratio Lower Upper

69 100

41 172.6 59.3 88.9#

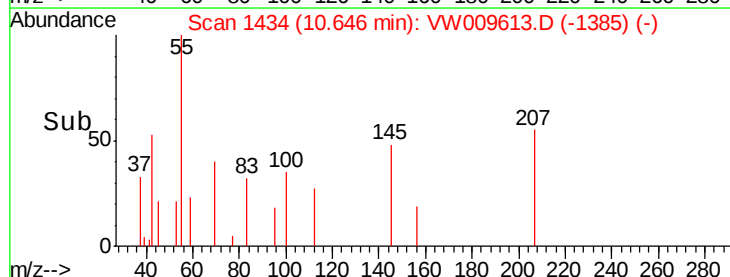
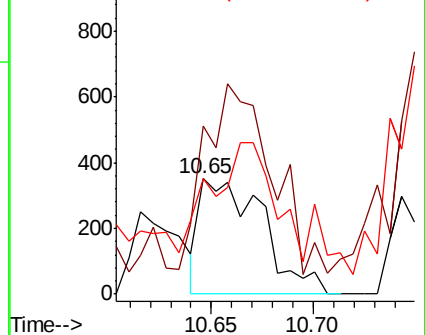
39 0.0 36.2 54.2#

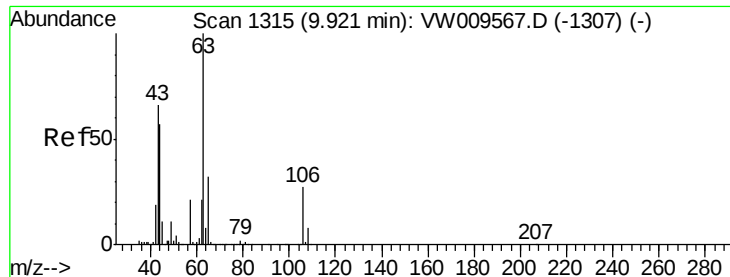


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

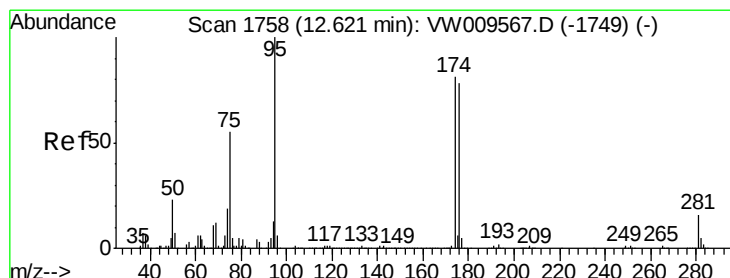
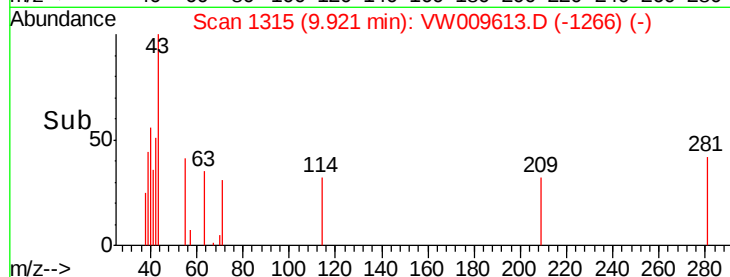
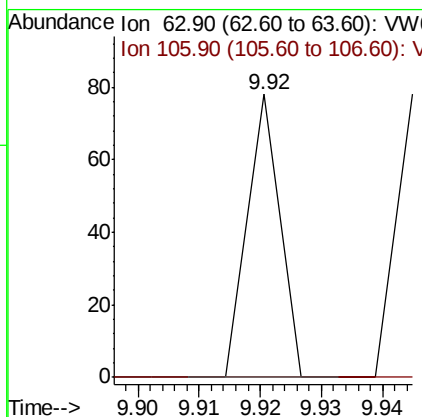
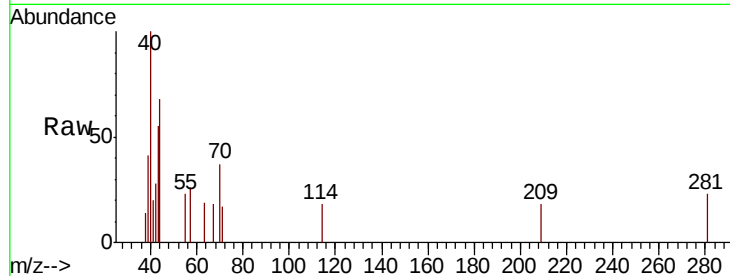




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.034 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

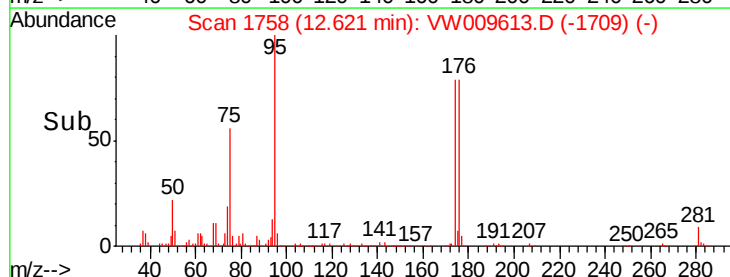
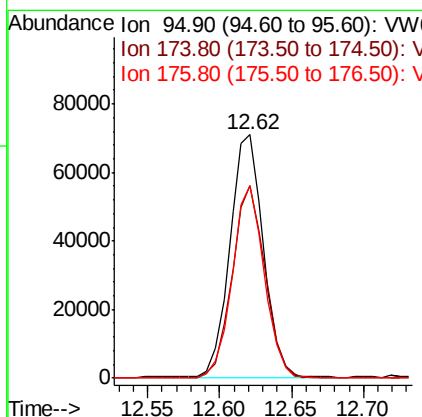
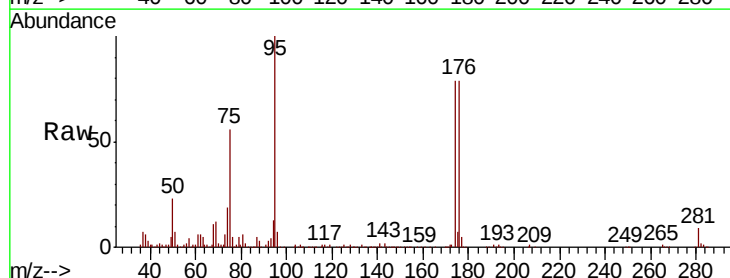
Instrument :
 MSVOA_W
 ClientSampleId :

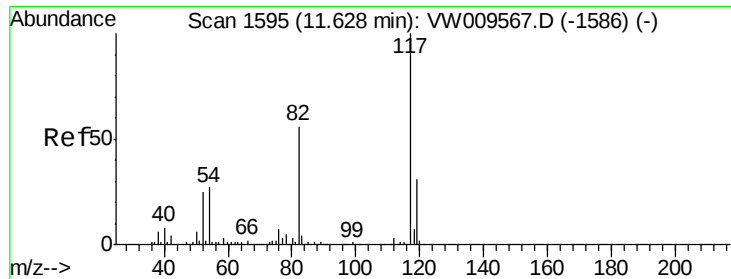
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 30.158 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

Tgt Ion: 95 Resp: 114026
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 168.4
 176 76.2 0.0 161.6

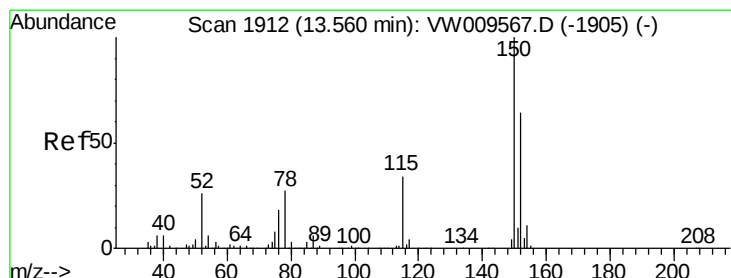
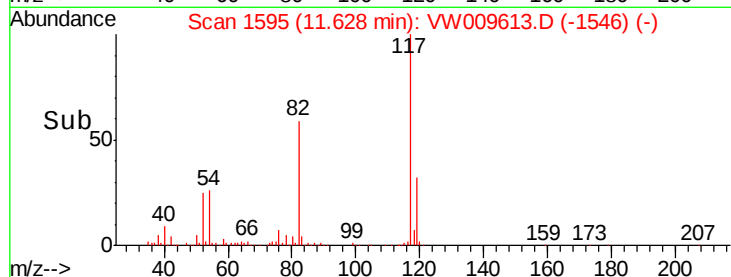
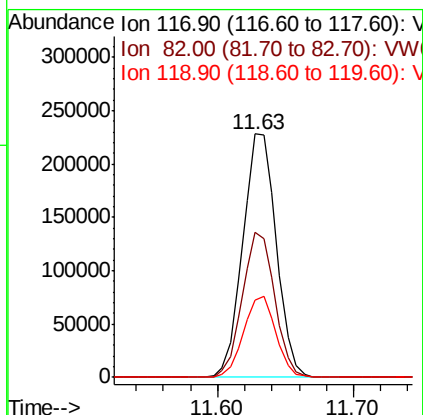
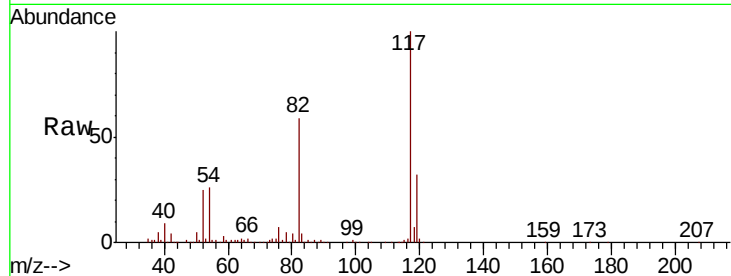




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

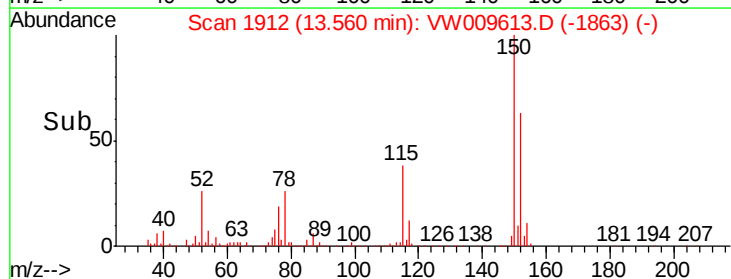
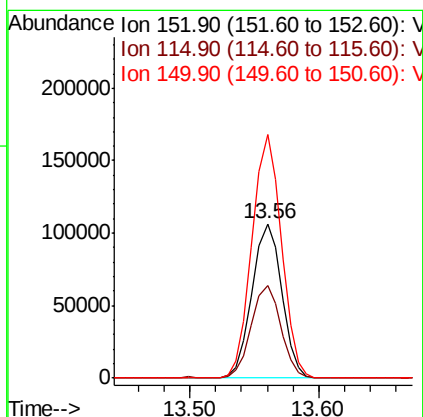
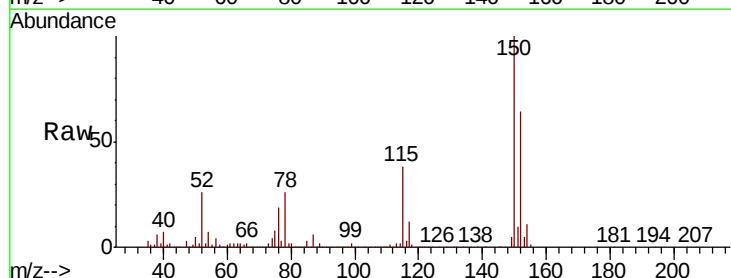
Instrument :
MSVOA_W
ClientSampleId :

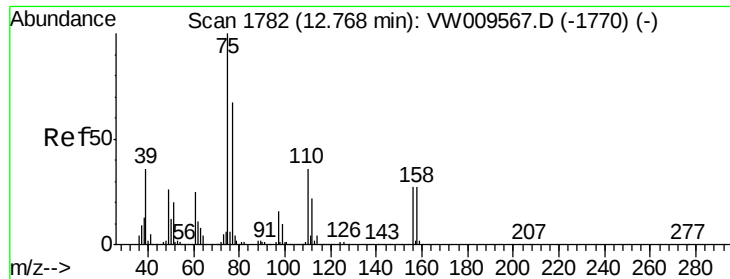
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	43.6	65.4
119	31.9	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009613.D
Acq: 31 Mar 2019 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.6	88.8
150	156.3	0.0	349.2

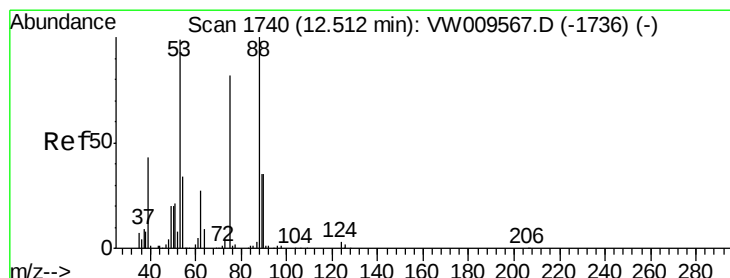
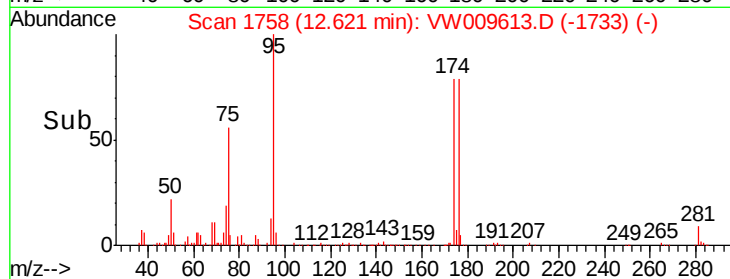
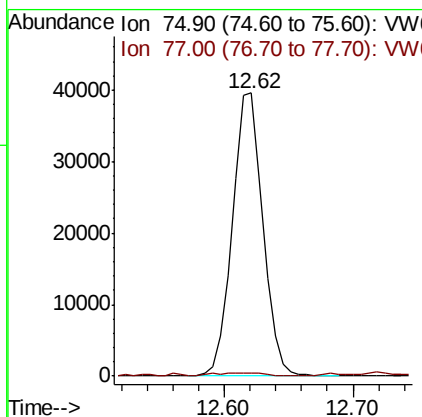
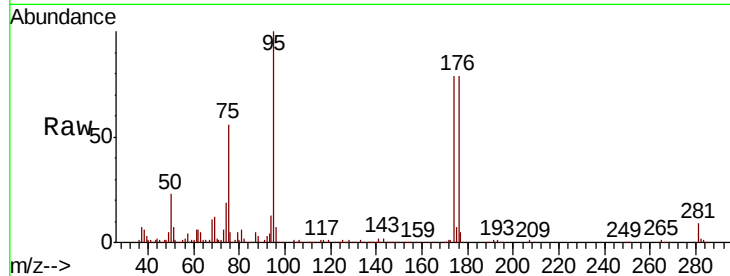




#76
 1,2,3-Trichloropropane
 Concen: 40.812 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

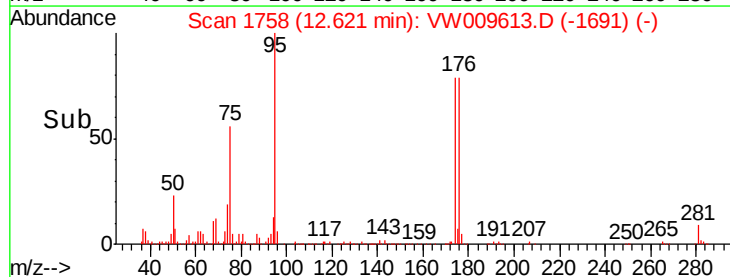
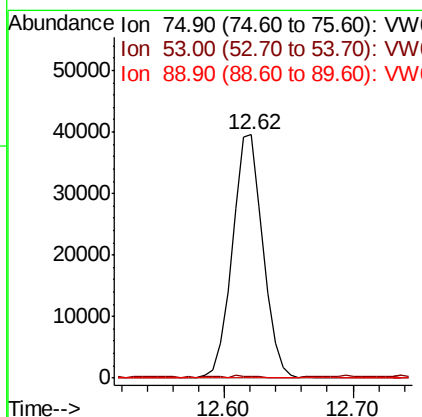
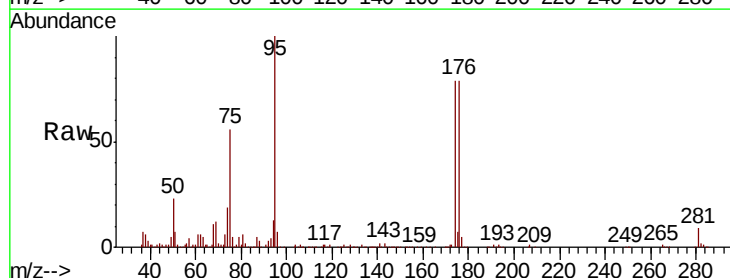
Instrument :
 MSVOA_W
 ClientSampled :

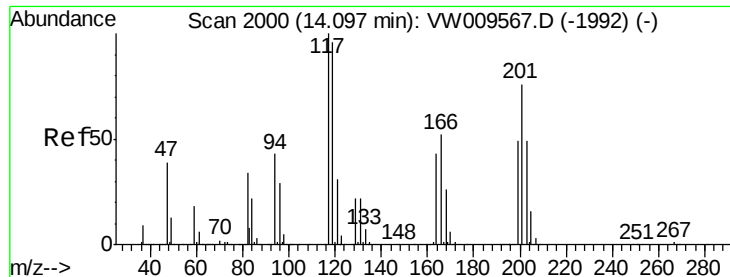
Tot Ion: 75 Resp: 65116
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.907 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009613.D
 Acq: 31 Mar 2019 16:21

Tgt Ion: 75 Resp: 65116
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.7 130.1#
 89 0.3 36.4 54.6#





#90

Hexachloroethane

Concen: 1.052 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

Instrument :

MSVOA_W

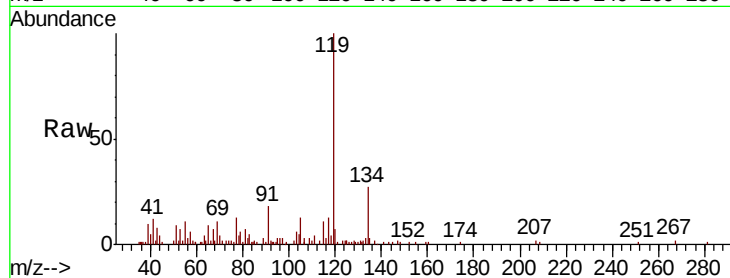
ClientSampleId :

Tot Ion:117 Resp: 2238

Ion Ratio Lower Upper

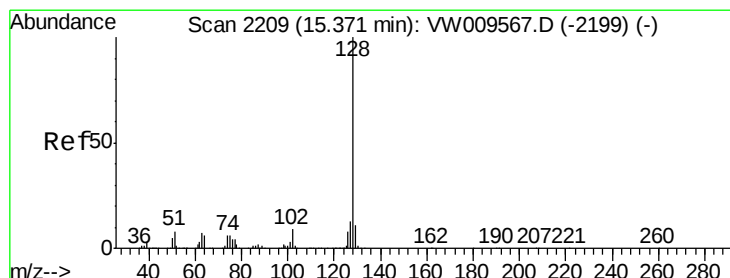
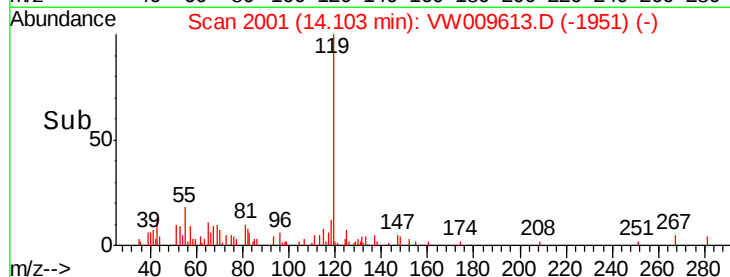
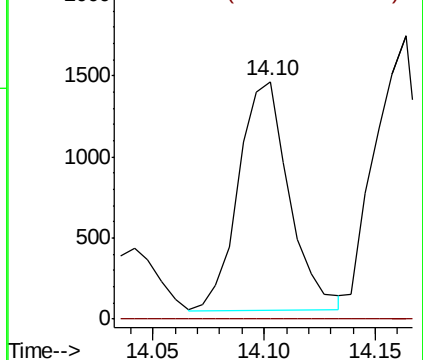
117 100

201 0.0 38.2 114.6#



Abundance Ion 116.80 (116.50 to 117.50): V

2000 Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 3.074 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009613.D

Acq: 31 Mar 2019 16:21

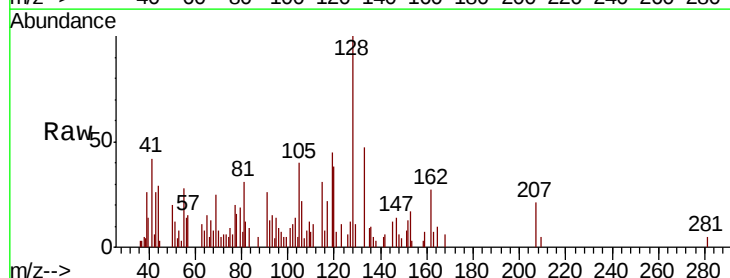
Tgt Ion:128 Resp: 2443

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 5.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

