

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007194.D
 Acq On : 04 Dec 2018 18:12
 Operator : SY/AP
 Sample : J6168-25
 Misc : 4.7G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S5

Quant Time: Dec 05 05:06:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61441	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	50252	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	7.89	113	47195	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	10.33	98	190151	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	
62) 4-Bromofluorobenzene	12.62	95	64725	38.51	ug/l	0.00
Spiked Amount			Recovery	=	77.02%	

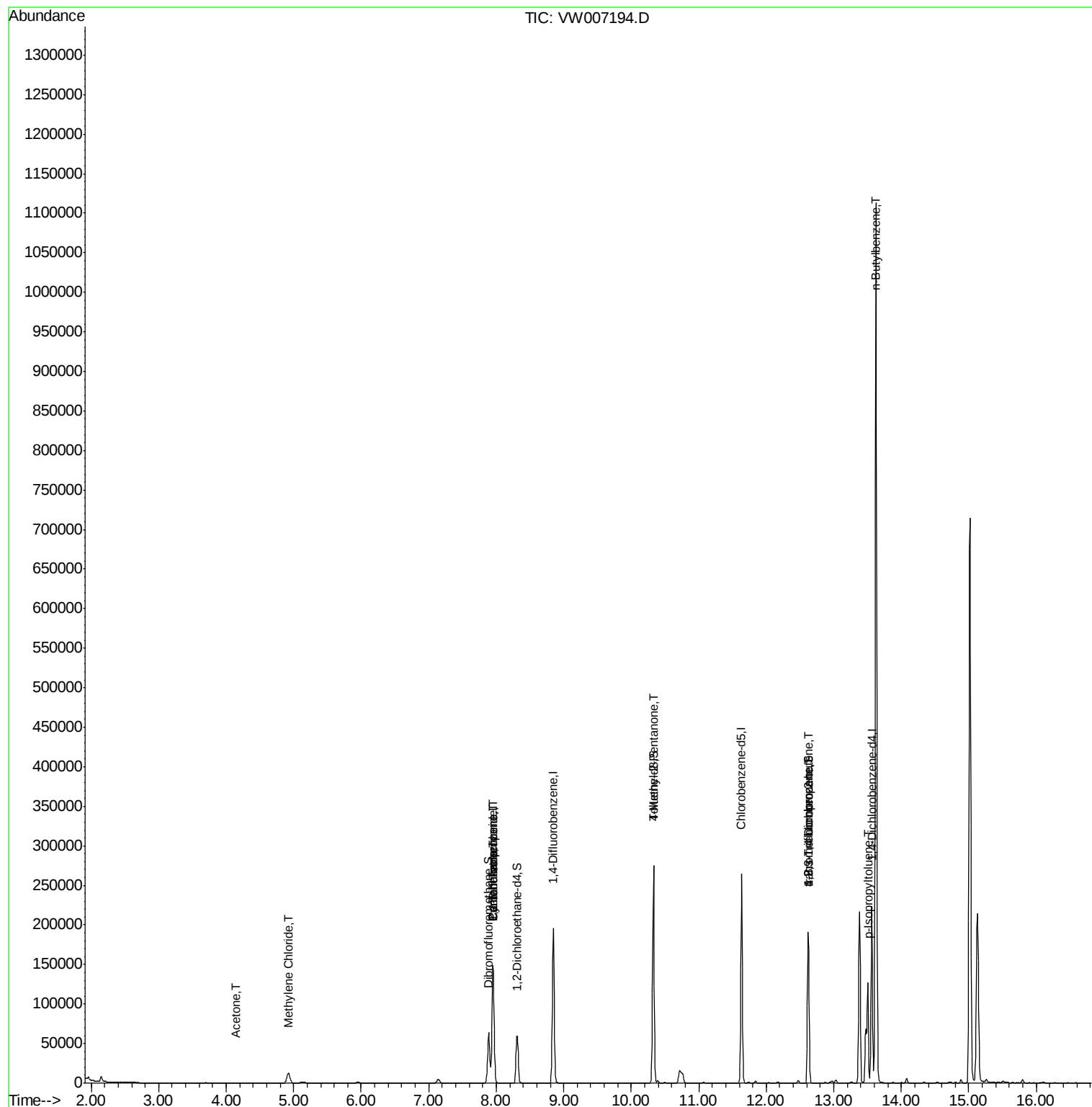
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	603	Below Cal	#	75
16) Acetone	4.14	43	251	1.004	ug/l #	45
20) Methylene Chloride	4.92	84	10426	3.421	ug/l	94
31) Cyclohexane	7.95	56	2127	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8345	4.858	ug/l #	49
38) Carbon Tetrachloride	7.96	117	11243	6.413	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	722	1.214	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	31193	33.784	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	31193	141.320	ug/l #	13
86) p-Isopropyltoluene	13.51	119	74345	15.659	ug/l	96
89) n-Butylbenzene	13.63	91	11921	2.687	ug/l	73

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

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Quant Time: Dec 05 05:06:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

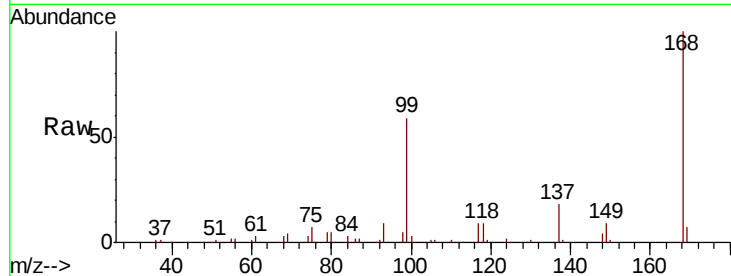
Instrument :
MSVOA_W
ClientSampled :
S5

Tot Ion:168 Resp: 113443

Ion Ratio Lower Upper

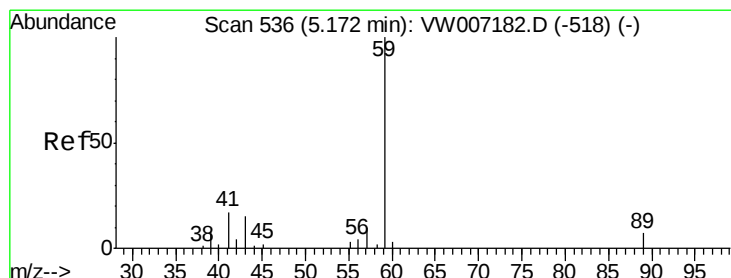
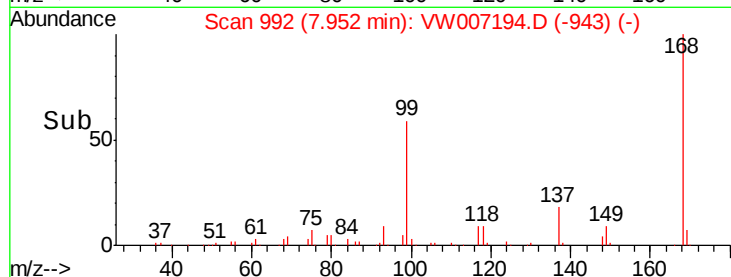
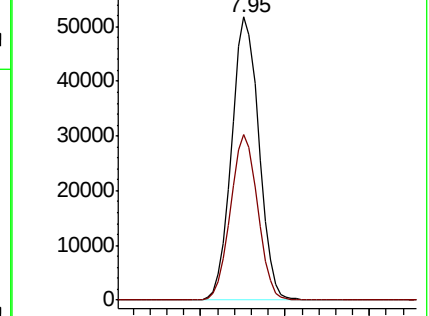
168 100

99 58.6 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW007194.D

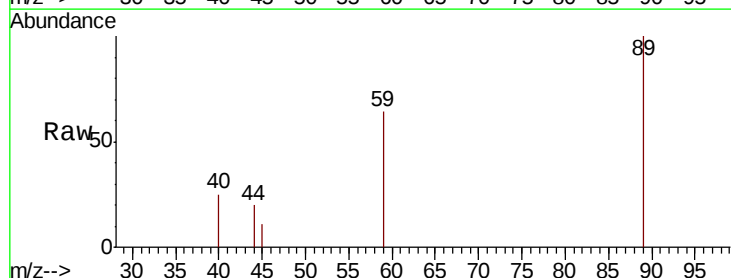
Acq: 04 Dec 2018 18:12

Tgt Ion: 59 Resp: 603

Ion Ratio Lower Upper

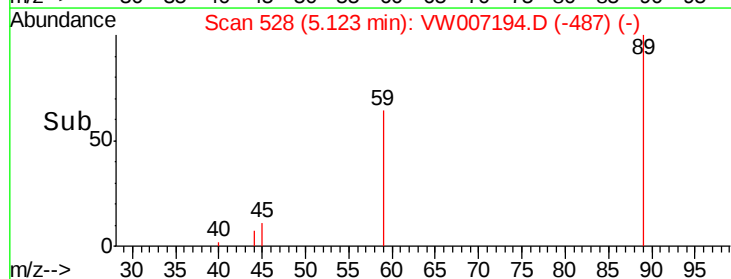
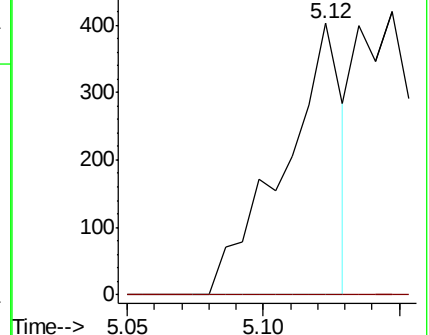
59 100

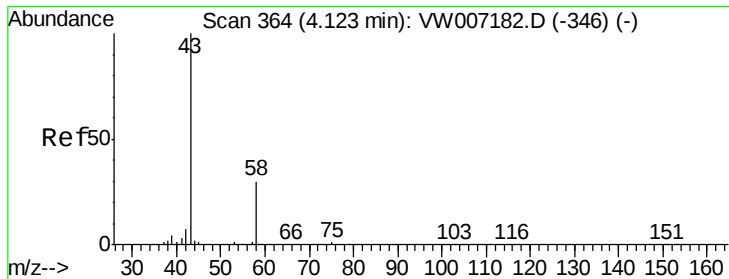
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.004 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampled :

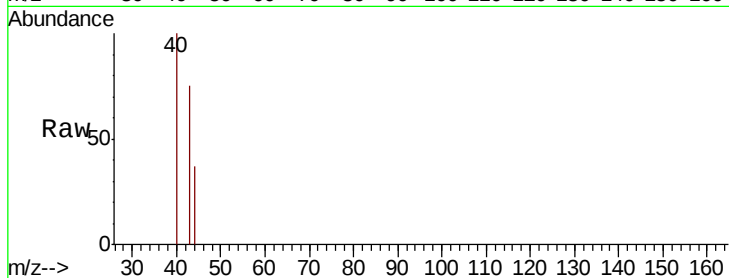
S5

Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

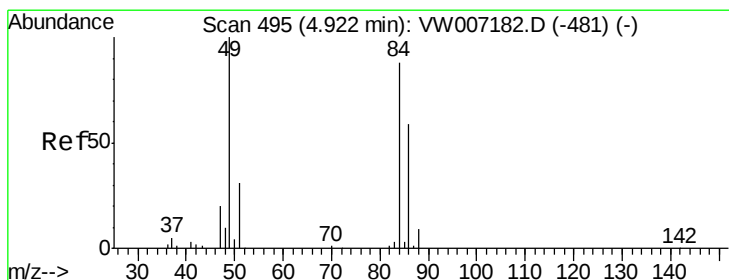
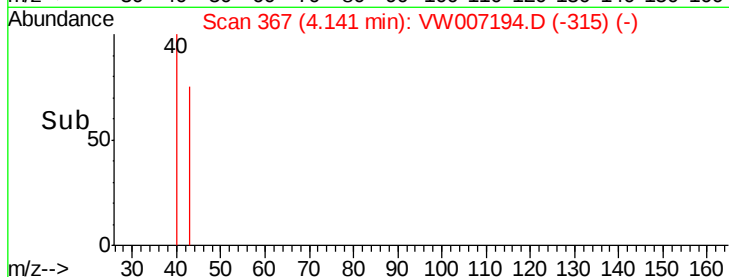
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 3.421 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Tgt Ion: 84 Resp: 10426

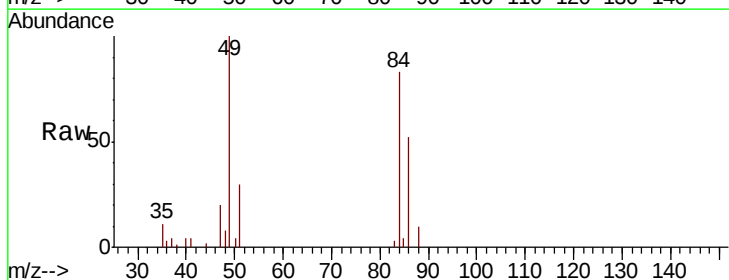
Ion Ratio Lower Upper

84 100

49 121.1 90.6 135.8

51 36.7 27.6 41.4

86 62.8 53.7 80.5



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

6000

5000

4000

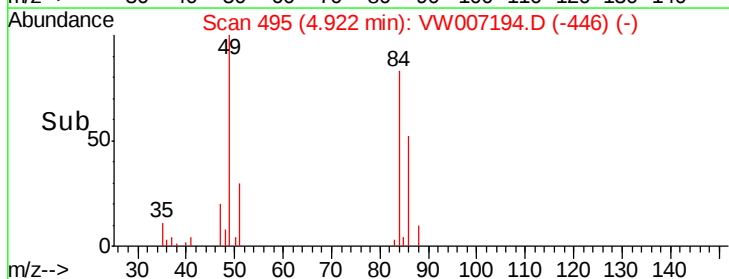
3000

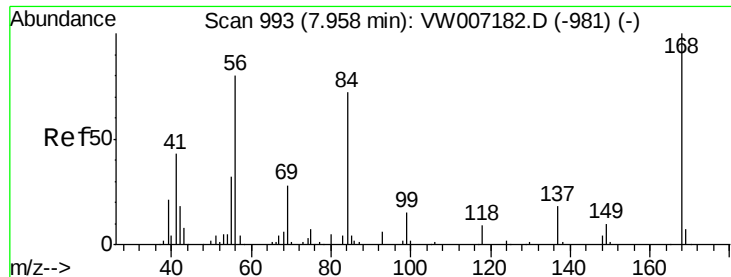
2000

1000

0

Time-->

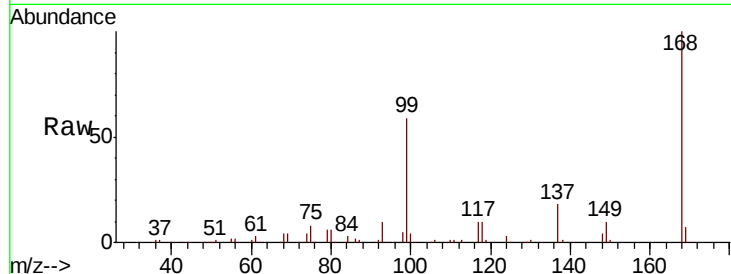




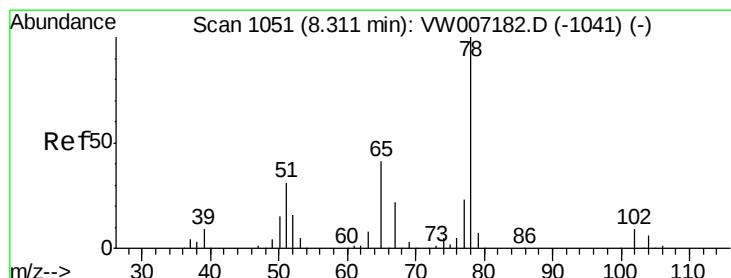
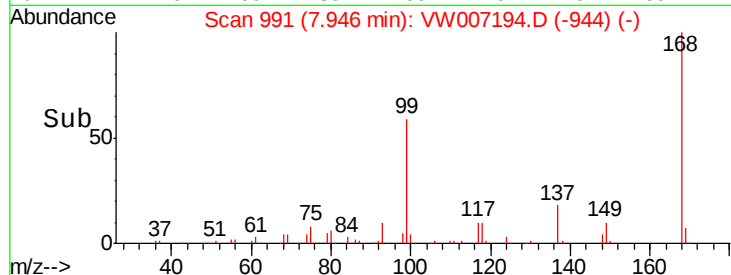
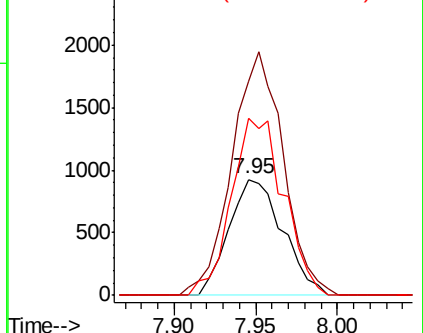
#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

Instrument :
MSVOA_W
ClientSampled :
S5

Tot Ion: 56 Resp: 2127
Ion Ratio Lower Upper
56 100
69 185.4 28.2 42.2#
84 152.9 72.1 108.1#

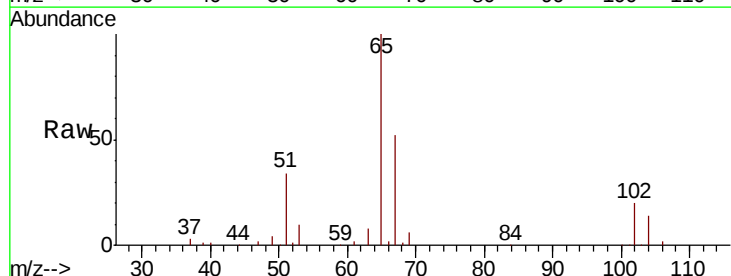


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

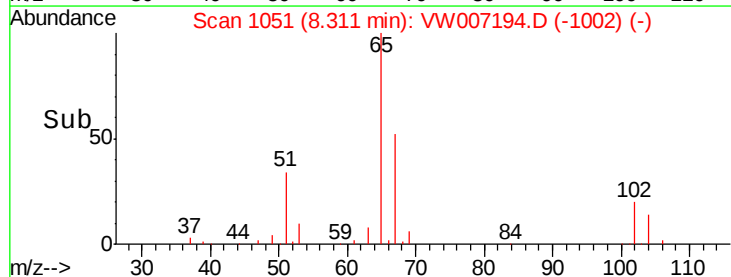
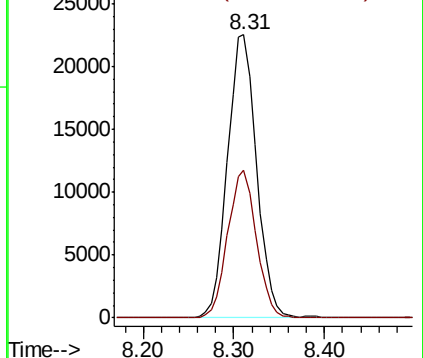


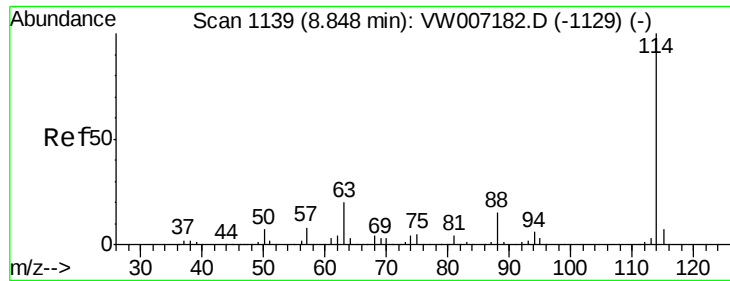
#33
1,2-Dichloroethane-d4
Concen: 47.578 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

Tgt Ion: 65 Resp: 50252
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.4



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

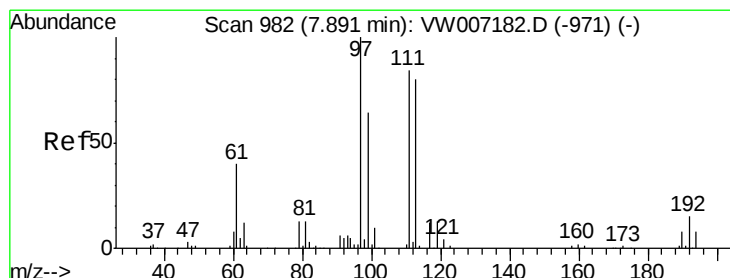
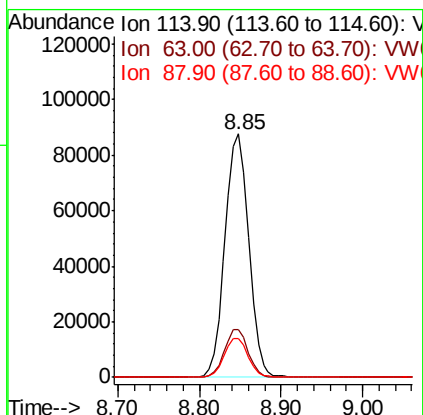
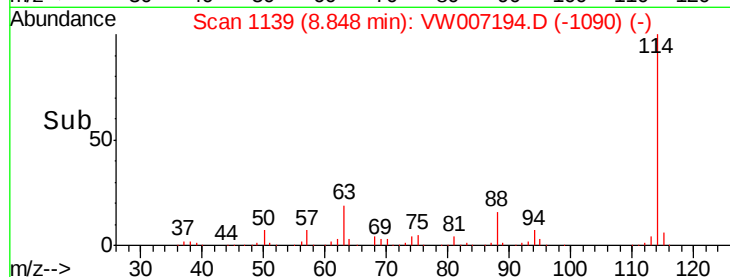
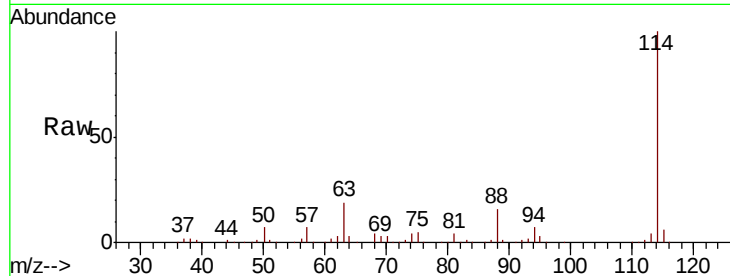




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

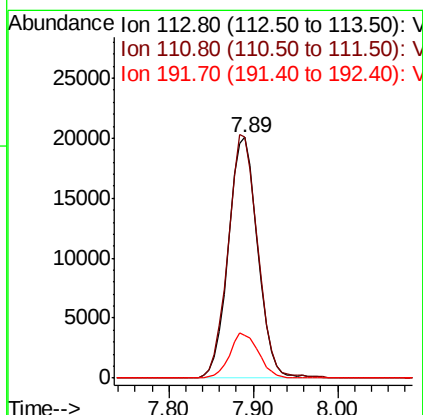
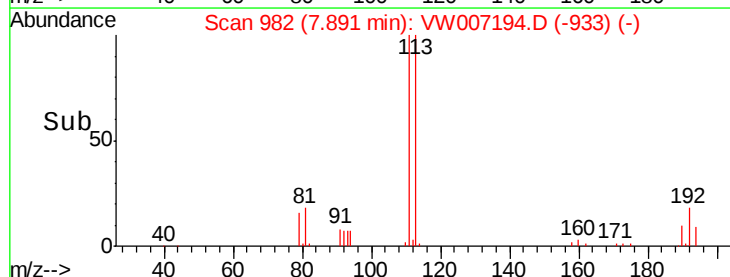
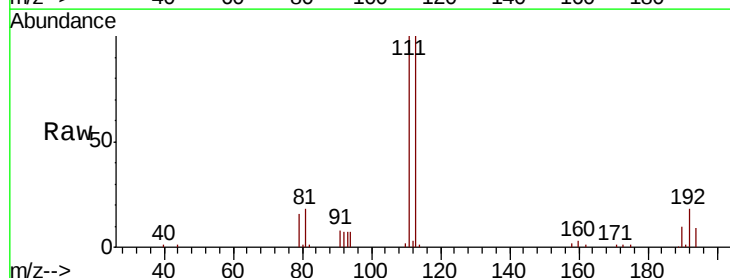
Instrument :
 MSVOA_W
 ClientSampled :
 S5

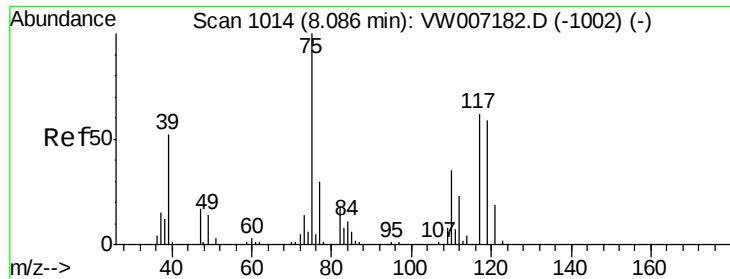
Tot Ion:114 Resp: 176529
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 15.9 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 46.691 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

Tgt Ion:113 Resp: 47195
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 18.4 14.4 21.6

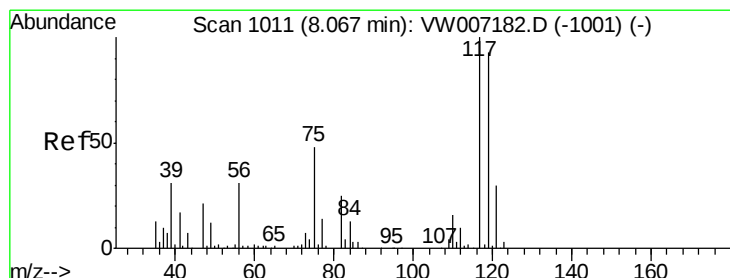
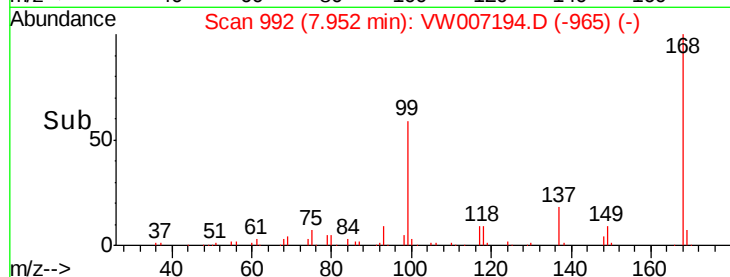
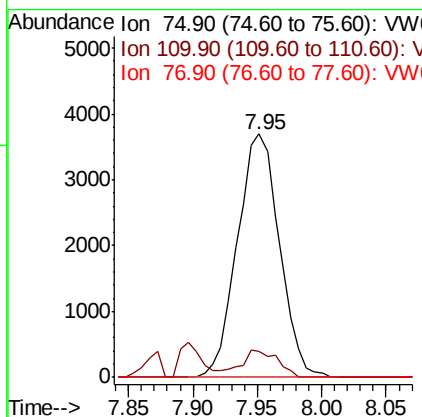
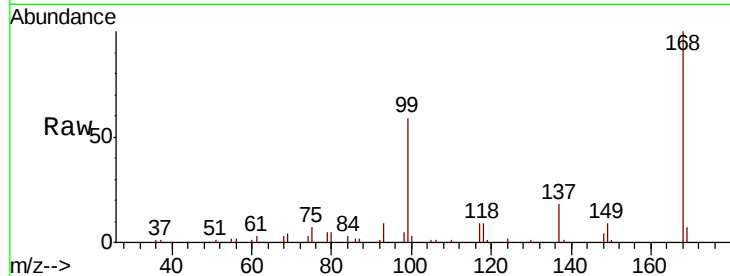




#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

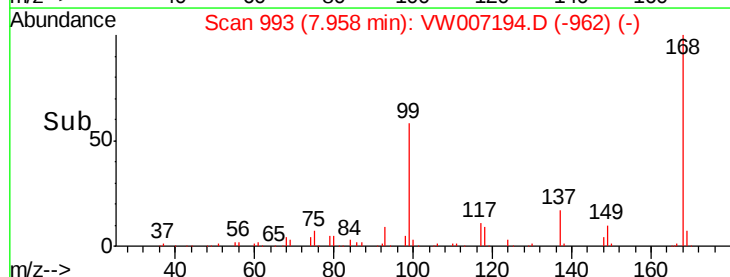
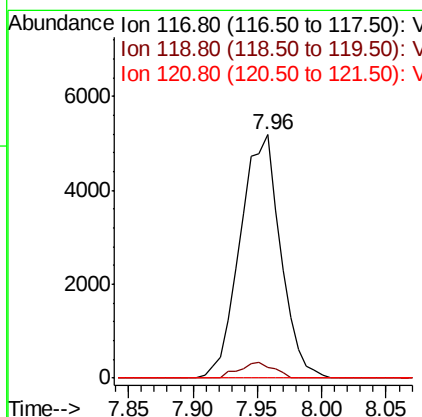
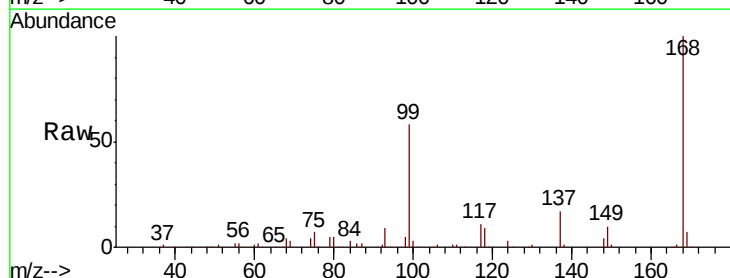
Instrument :
 MSVOA_W
 ClientSampleId :
 S5

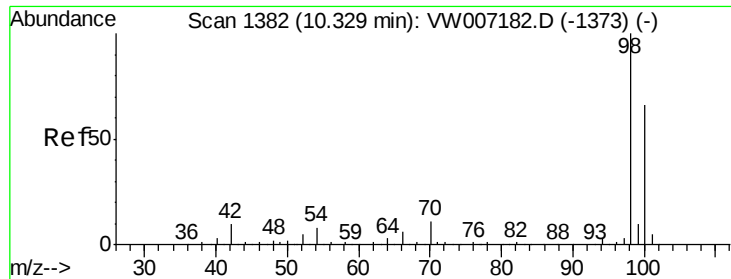
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.413 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.11 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.1	111.1#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 42.706 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampled :

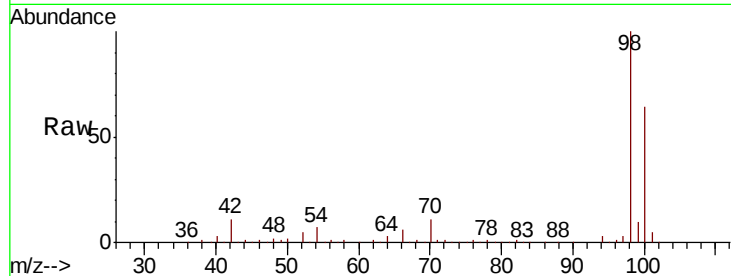
S5

Tot Ion: 98 Resp: 190151

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

120000

100000

80000

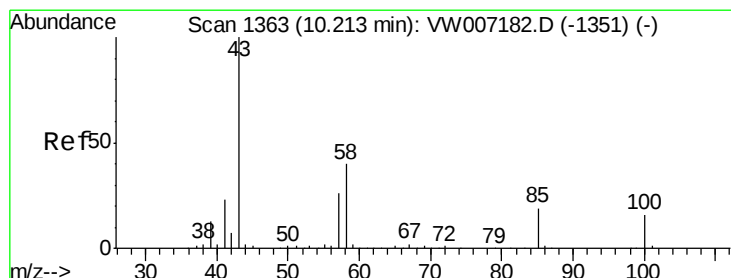
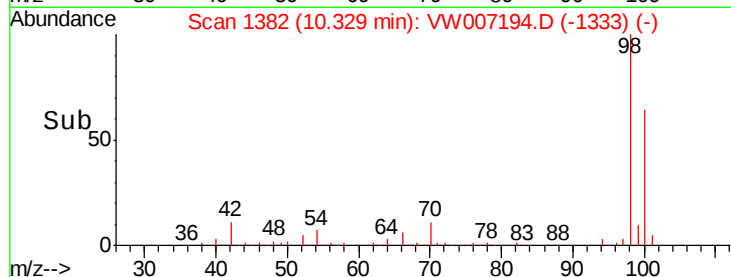
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.214 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW007194.D

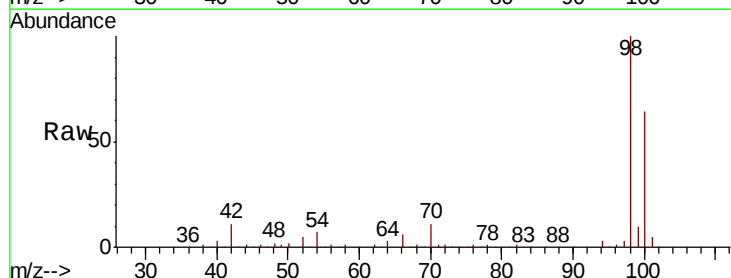
Acq: 04 Dec 2018 18:12

Tgt Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

58 216.6 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1000

800

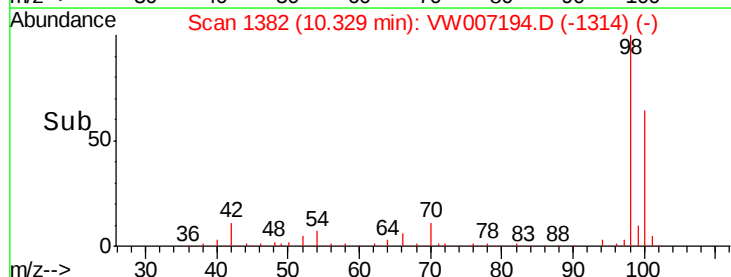
600

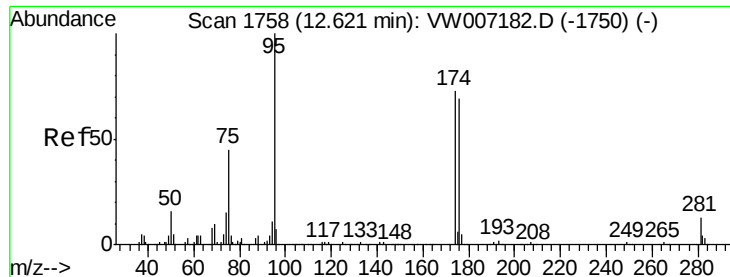
400

200

0

Time--> 10.30 10.35

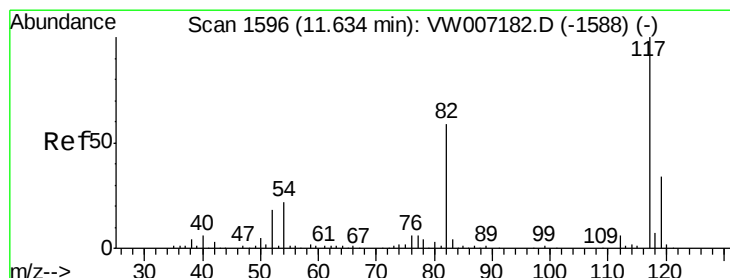
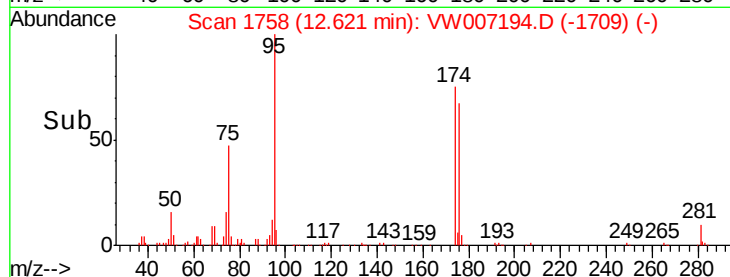
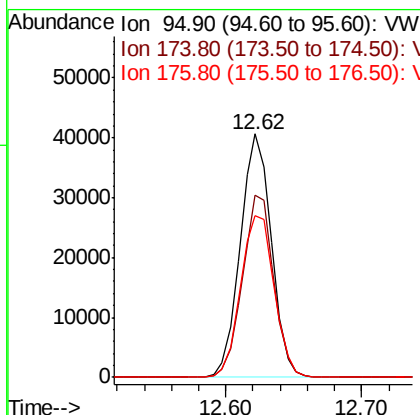
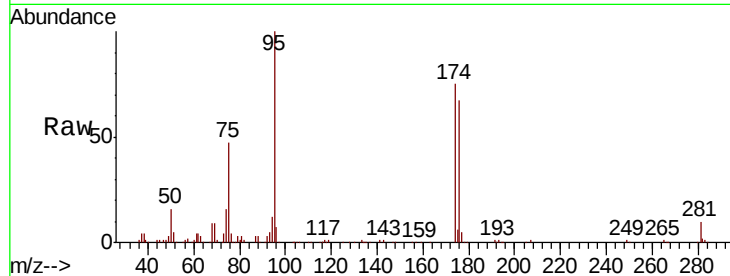




#62
4-Bromofluorobenzene
Concen: 38.513 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

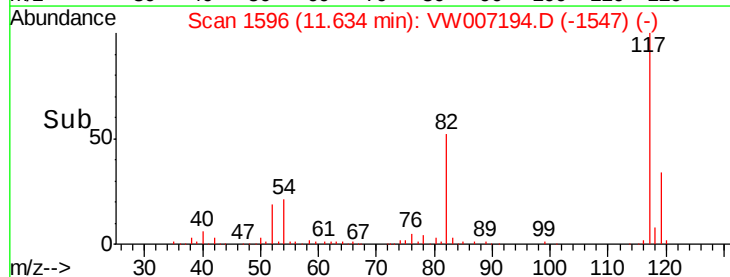
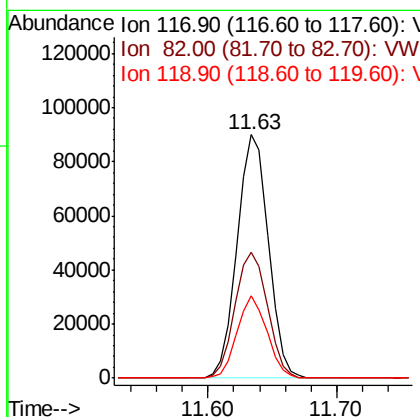
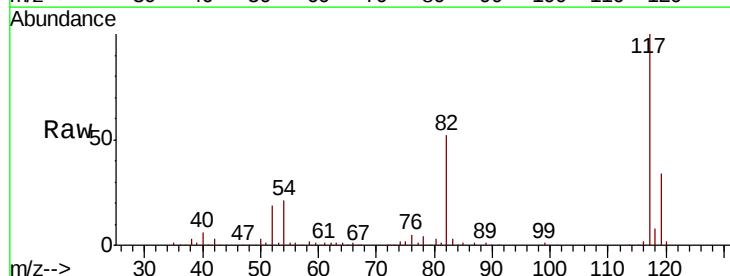
Instrument :
MSVOA_W
ClientSampled :
S5

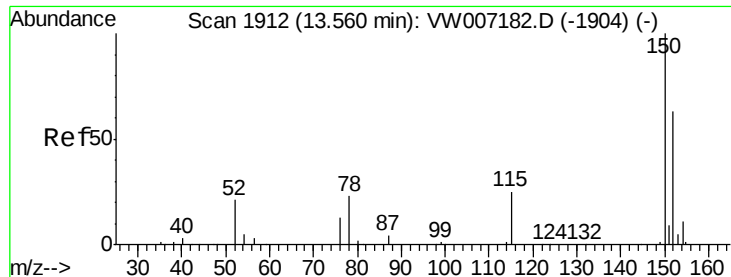
Tot Ion: 95 Resp: 64725
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.0
176 72.1 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

Tgt Ion: 117 Resp: 150923
Ion Ratio Lower Upper
117 100
82 51.7 47.4 71.2
119 33.9 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007194.D

Acq: 04 Dec 2018 18:12

Instrument :

MSVOA_W

ClientSampled :

S5

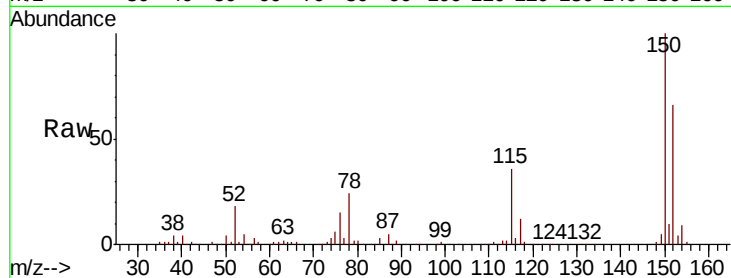
Tot Ion:152 Resp: 61441

Ion Ratio Lower Upper

152 100

115 59.1 31.3 93.8

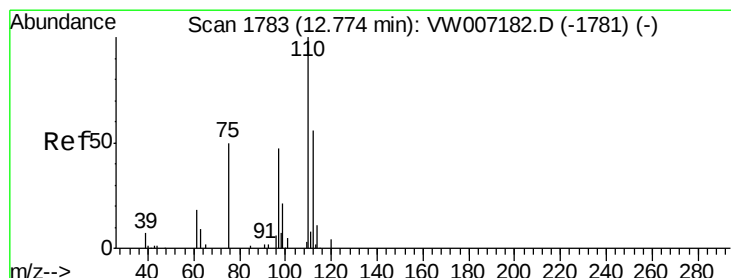
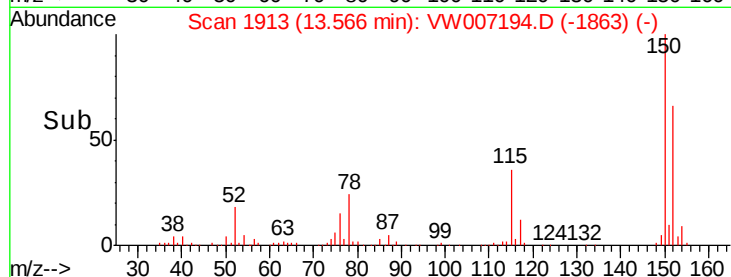
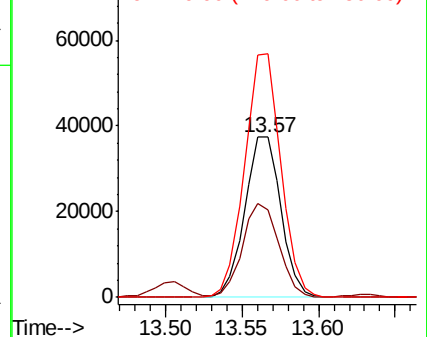
150 152.2 0.0 358.0



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: 33.784 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007194.D

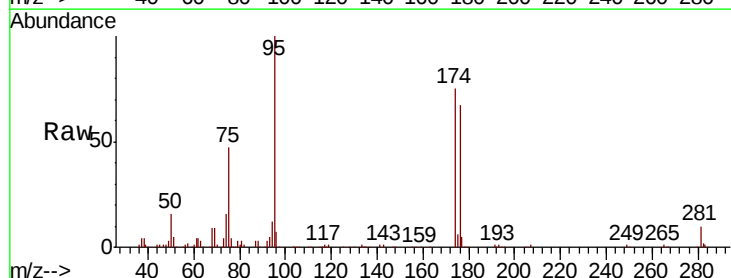
Acq: 04 Dec 2018 18:12

Tgt Ion: 75 Resp: 31193

Ion Ratio Lower Upper

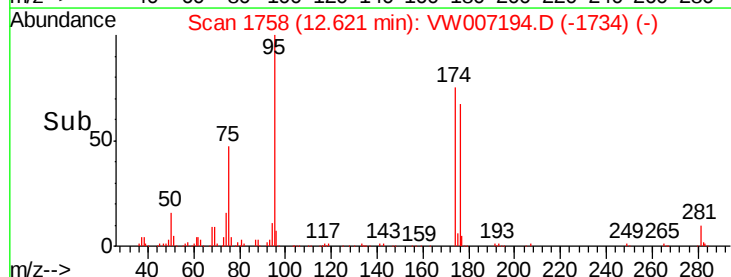
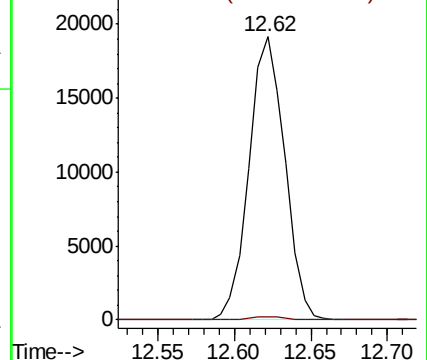
75 100

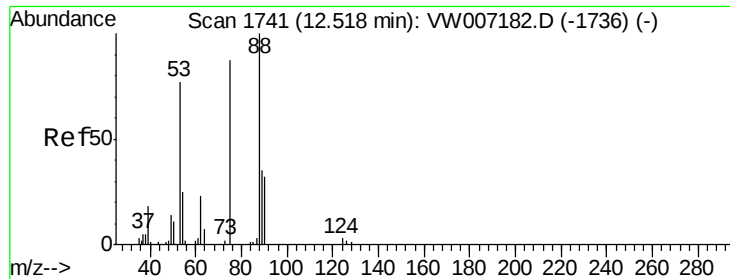
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

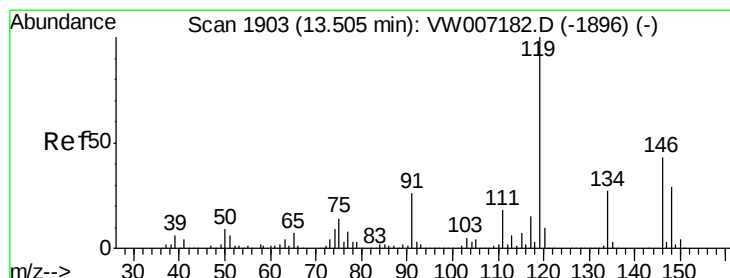
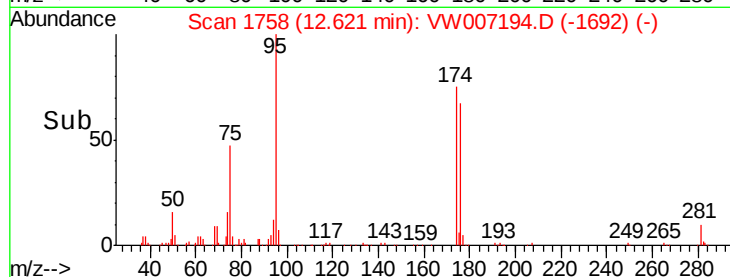
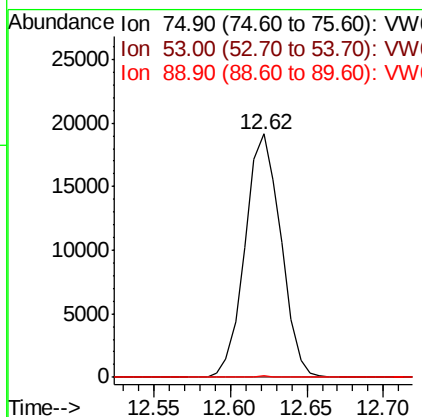
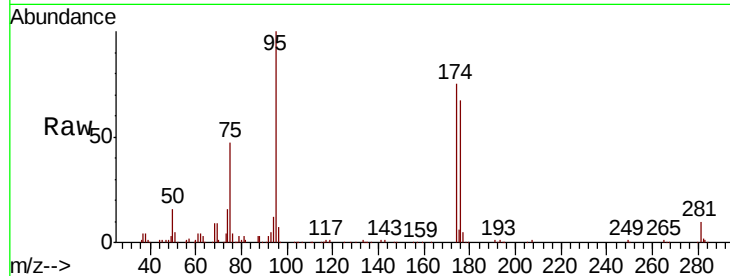




#81
trans-1,4-Dichloro-2-butene
Concen: 141.320 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

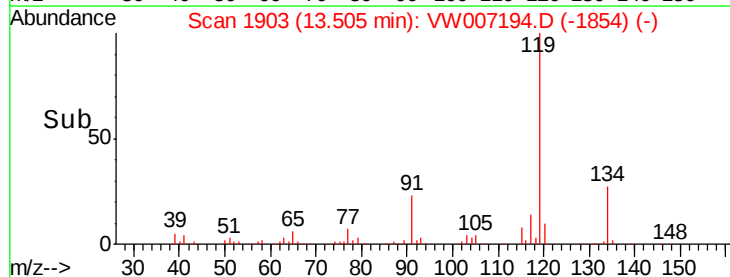
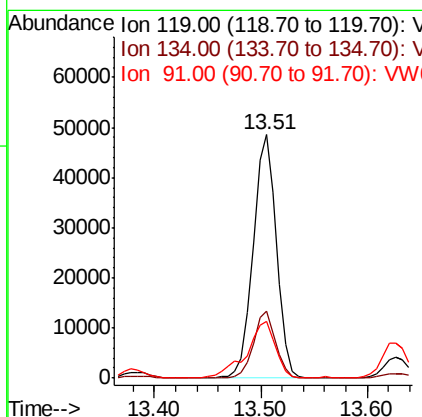
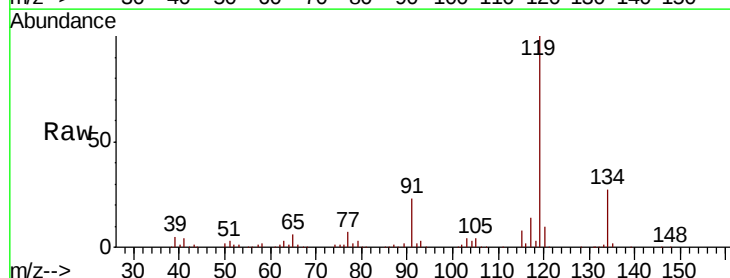
Instrument :
MSVOA_W
ClientSampled :
S5

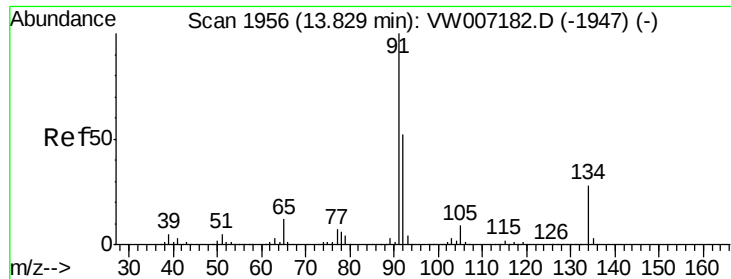
Tot Ion: 75 Resp: 31193
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.1 36.4 54.6#



#86
p-Isopropyltoluene
Concen: 15.659 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007194.D
Acq: 04 Dec 2018 18:12

Tgt Ion: 119 Resp: 74345
Ion Ratio Lower Upper
119 100
134 26.2 13.2 39.6
91 29.0 12.4 37.2





#89
 n-Butylbenzene
 Concen: 2.687 ug/l
 RT: 13.63 min Scan# 1923
 Delta R.T. -0.20 min
 Lab File: VW007194.D
 Acq: 04 Dec 2018 18:12

Instrument :
 MSVOA_W
 ClientSampleId :
 S5

Tot Ion:	91	Resp:	11921
Ion	Ratio	Lower	Upper
91	100		
92	32.9	26.5	79.5
134	15.2	14.1	42.2

