

Data File : VW010497.D
Acq On : 21 May 2019 19:38
Operator : SY/VA
Sample : K2971-05RE
Misc : 6.73G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-5-052019RE

Quant Time: May 22 06:45:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	118120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	224238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	70700	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	7.88	113	68016	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.32	98	275110	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.62	95	101033	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

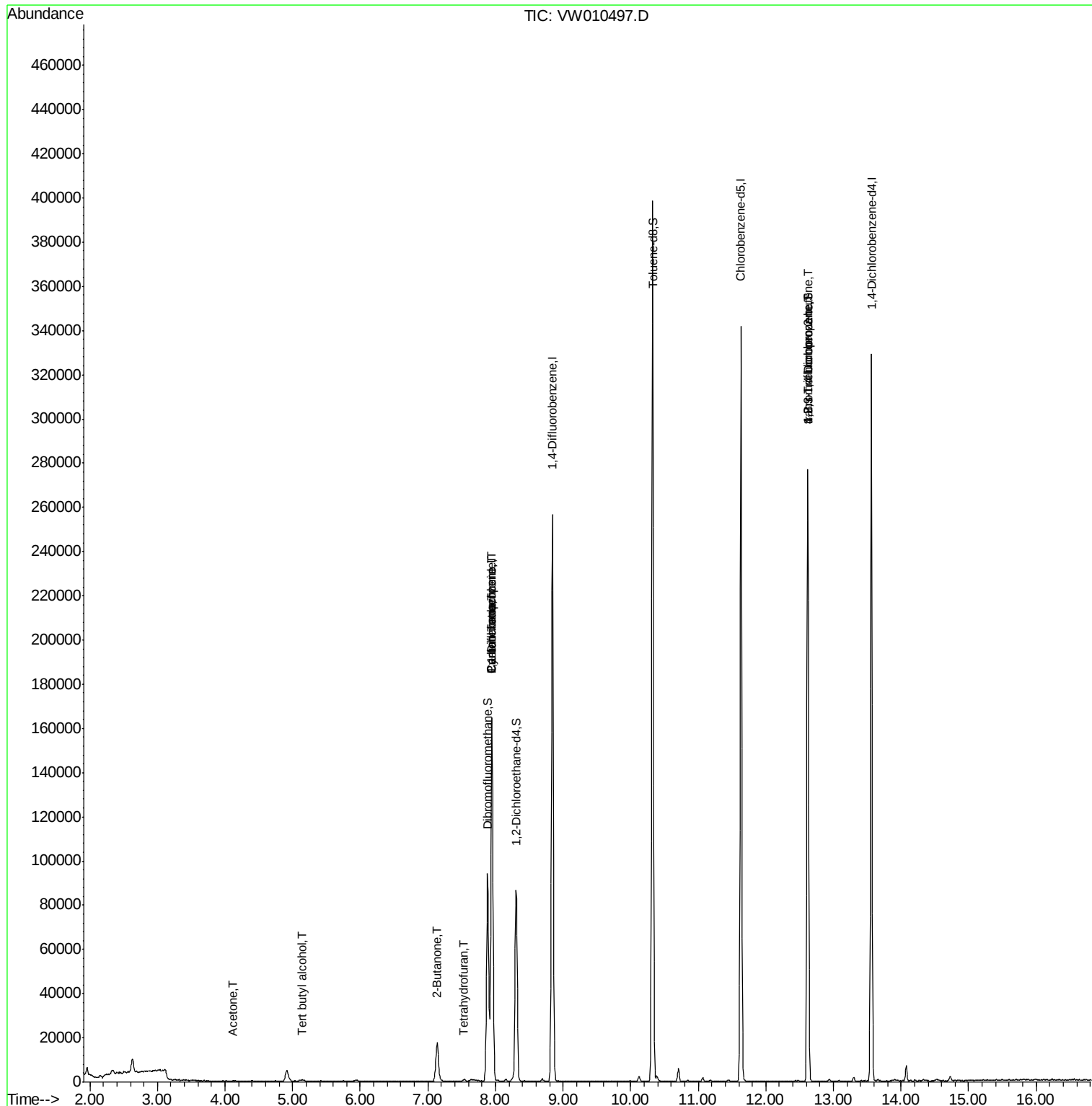
						Qvalue
2) Dichlorodifluoromethane	2.00	85	32	Below Cal	#	42
11) Tert butyl alcohol	5.14	59	783	7.140	ug/l #	71
13) Acrolein	3.92	56	26	Below Cal	#	1
16) Acetone	4.12	43	596	2.395	ug/l #	41
20) Methylene Chloride	4.92	84	3862	Below Cal	#	90
25) 2-Butanone	7.13	43	929	2.608	ug/l #	75
29) Tetrahydrofuran	7.52	42	670	2.780	ug/l #	30
31) Cyclohexane	7.94	56	2635	1.138	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	9523	4.559	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12992	5.766	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	48209	56.807	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48209	118.558	ug/l #	14

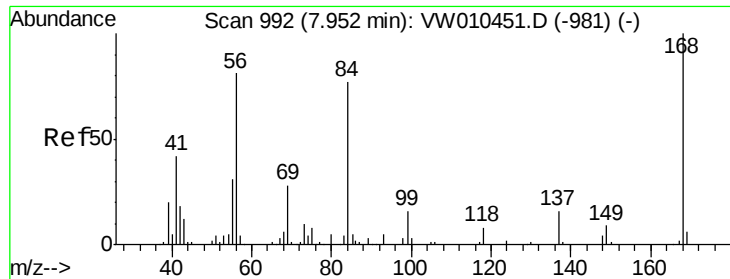
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

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MSVOA_W

ClientSampleId :

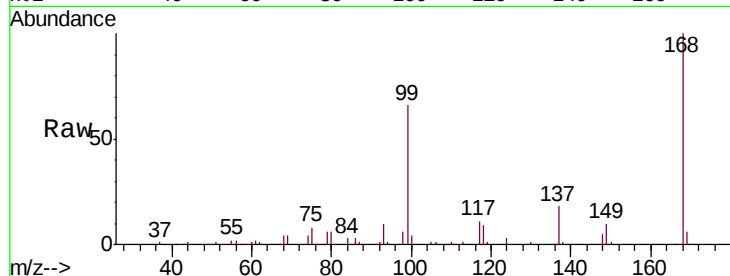
SUP-2A-G-5-052019RE

Tgt Ion: 168 Resp: 118120

Ion Ratio Lower Upper

168 100

99 65.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

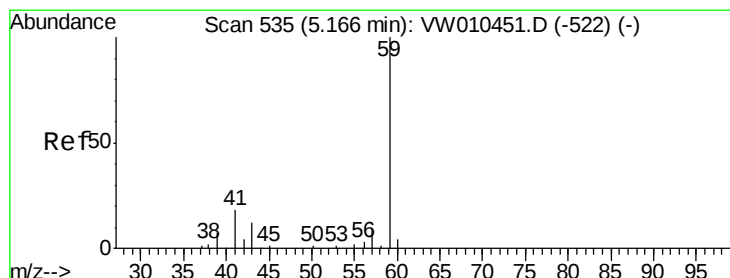
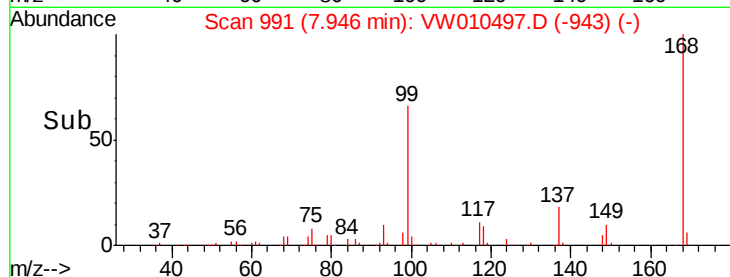
20000

10000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 7.140 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW010497.D

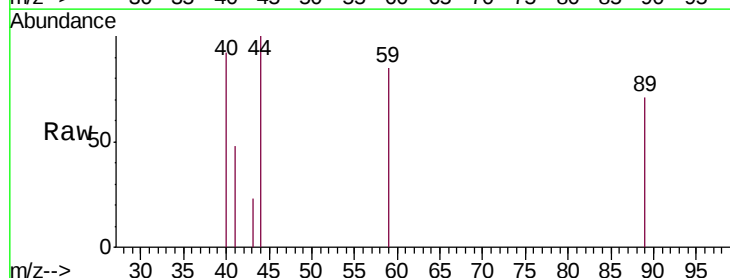
Acq: 21 May 2019 19:38

Tgt Ion: 59 Resp: 783

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

250

200

150

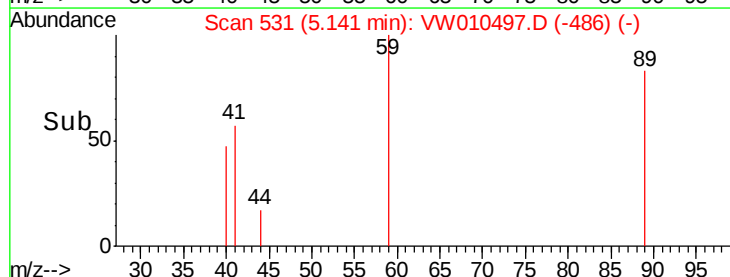
100

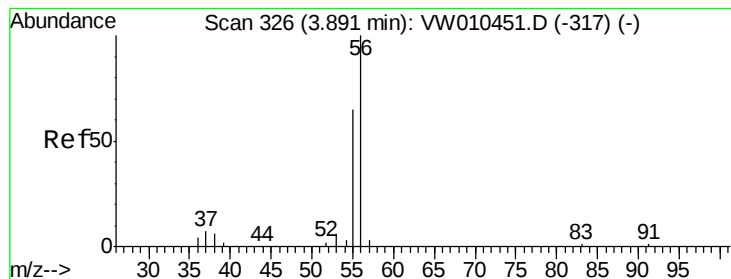
50

0

5.05 5.10 5.15 5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 331

Delta R.T. 0.03 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

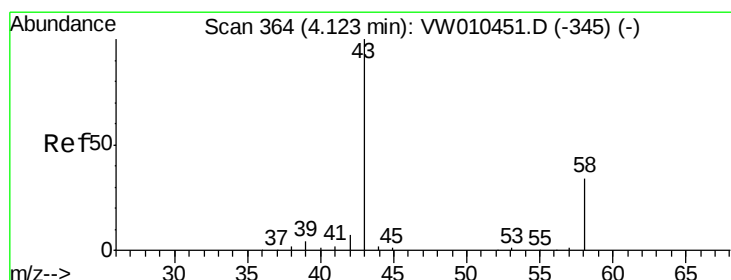
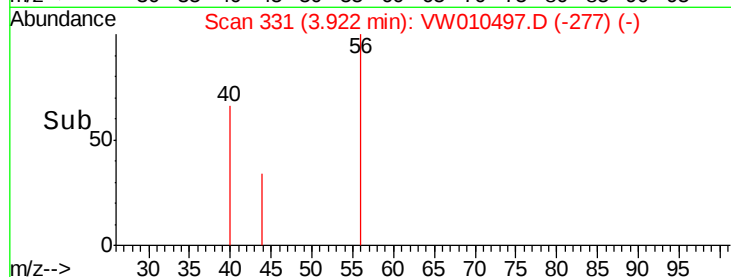
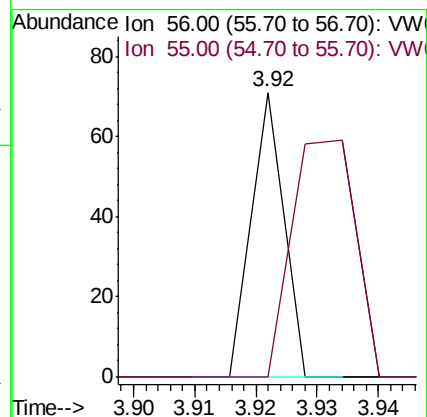
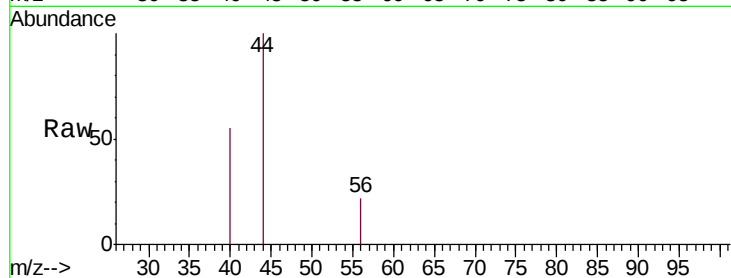
SUP-2A-G-5-052019RE

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 165.4 57.9 86.9#



#16

Acetone

Concen: 2.395 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010497.D

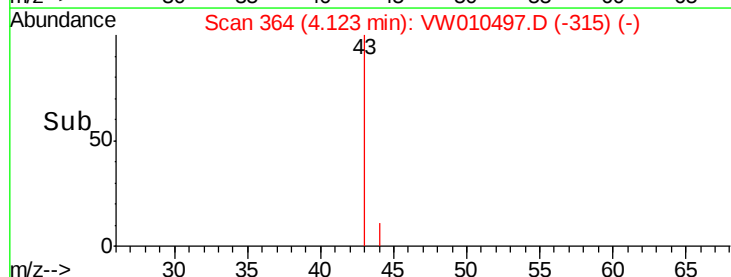
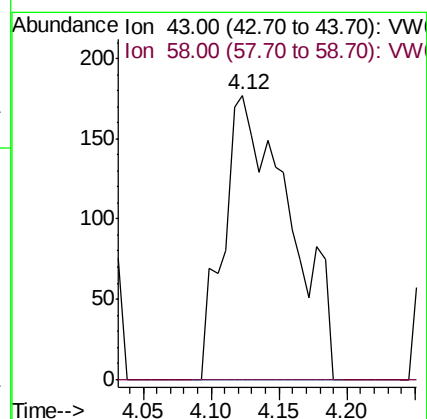
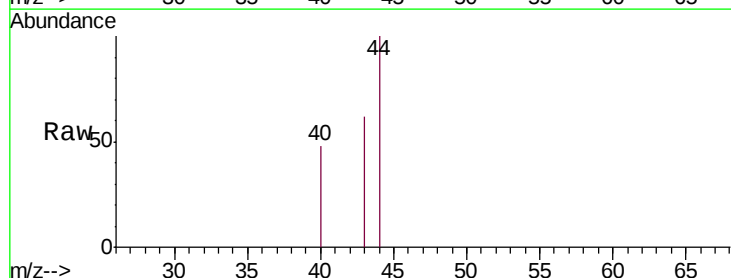
Acq: 21 May 2019 19:38

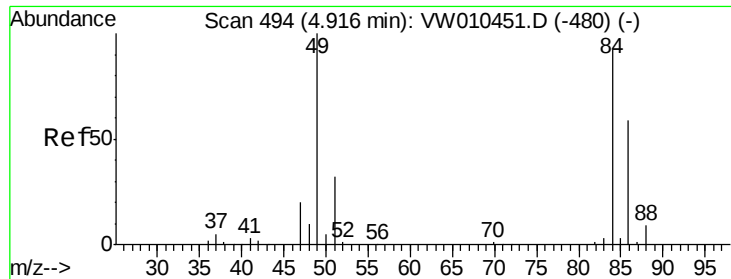
Tgt Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-052019RE

Tgt Ion: 84 Resp: 3862

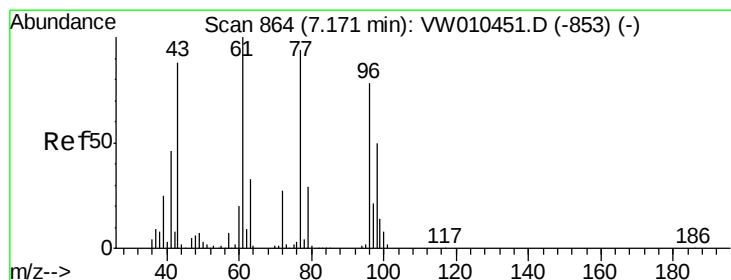
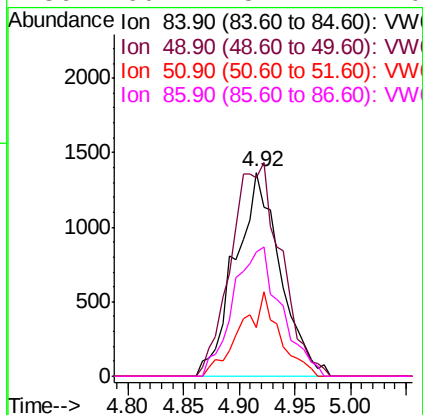
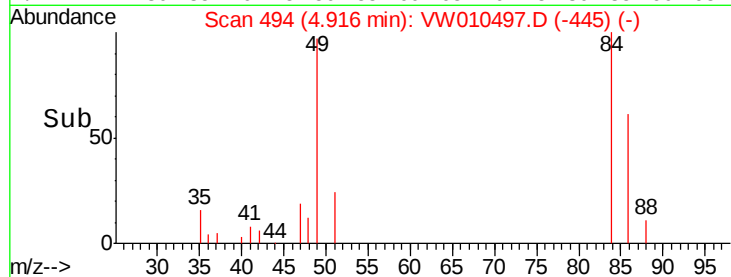
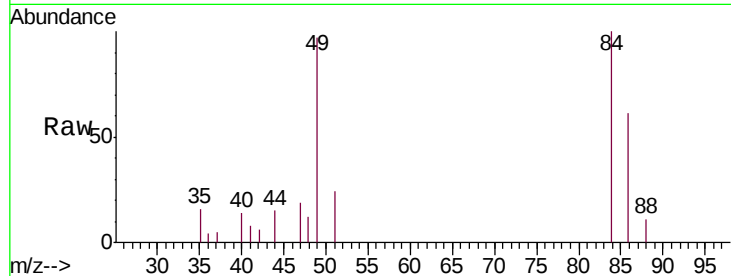
Ion Ratio Lower Upper

84 100

49 97.4 87.2 130.8

51 24.0 27.7 41.5#

86 60.7 51.4 77.0



#25

2-Butanone

Concen: 2.608 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010497.D

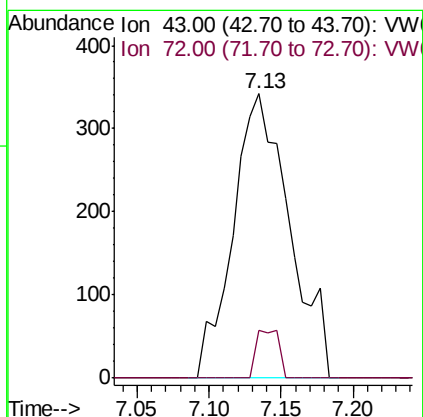
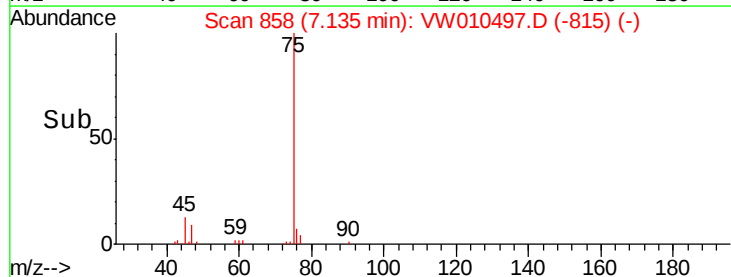
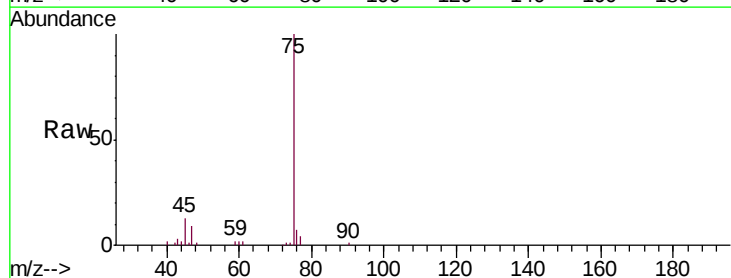
Acq: 21 May 2019 19:38

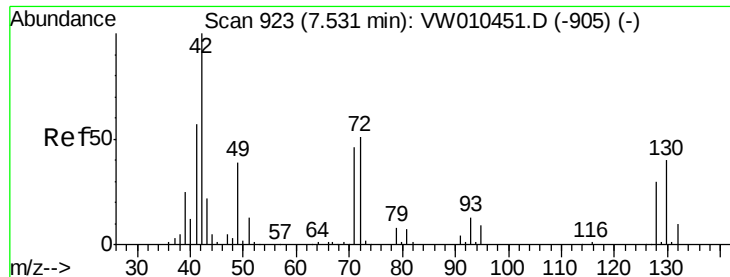
Tgt Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

72 16.4 24.1 36.1#

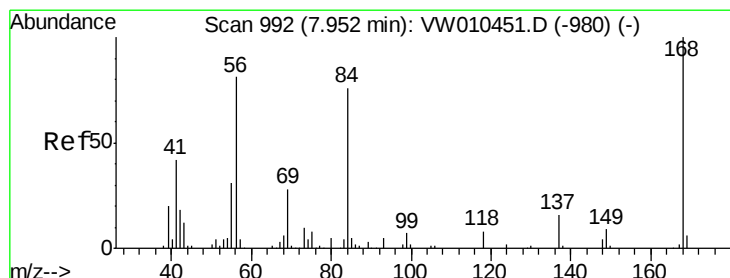
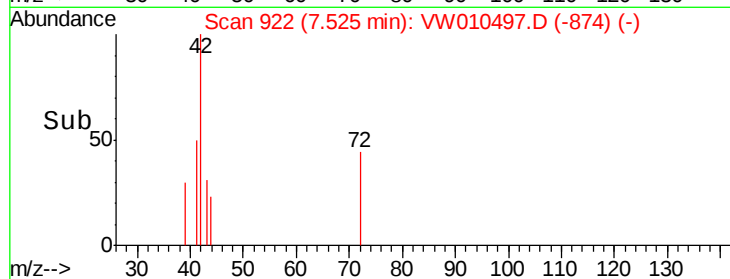
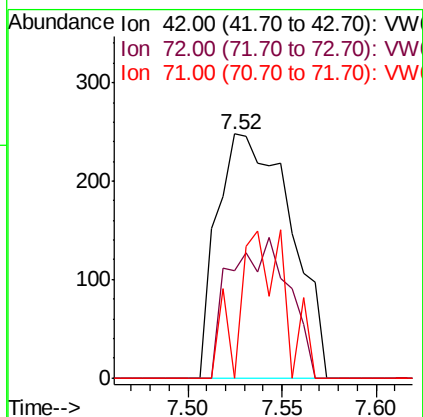
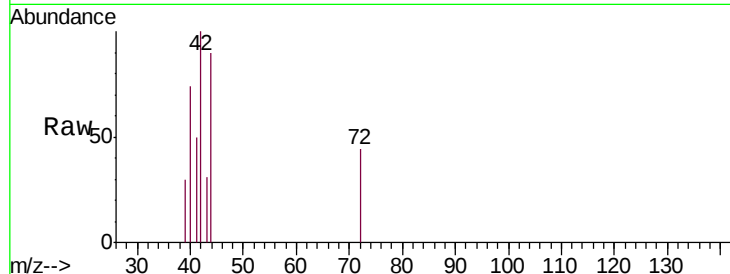




#29
Tetrahydrofuran
Concen: 2.780 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010497.D
Acq: 21 May 2019 19:38

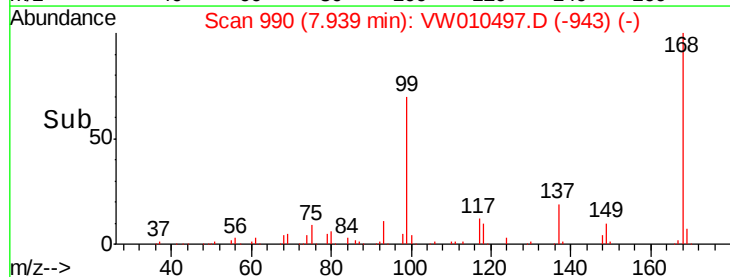
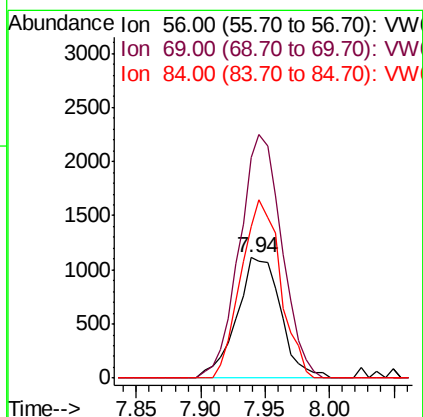
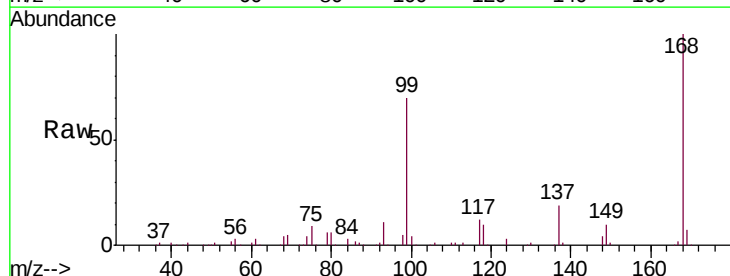
Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-5-052019RE

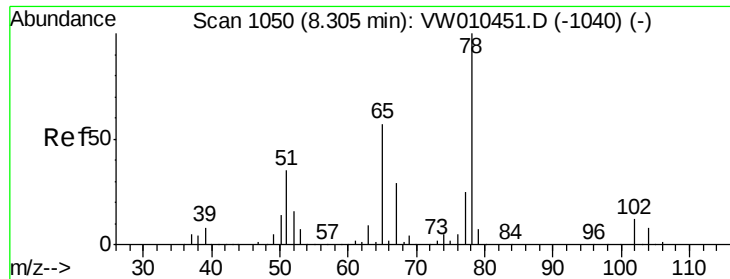
Tgt Ion: 42 Resp: 670
Ion Ratio Lower Upper
42 100
72 0.0 38.5 57.7#
71 0.0 36.5 54.7#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010497.D
Acq: 21 May 2019 19:38

Tgt Ion: 56 Resp: 2635
Ion Ratio Lower Upper
56 100
69 183.4 28.2 42.2#
84 126.0 75.8 113.8#

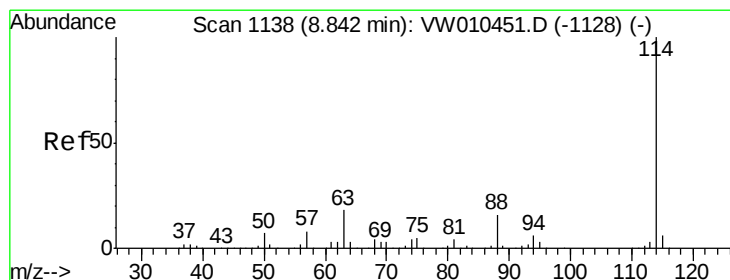
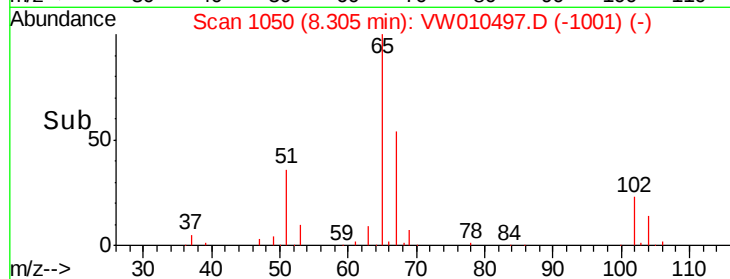
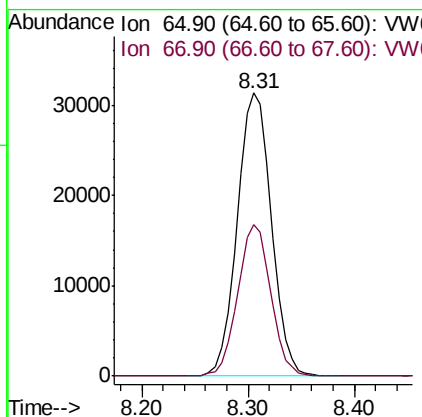
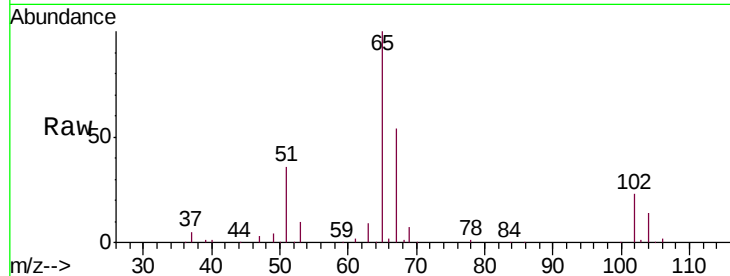




#33
 1,2-Dichloroethane-d4
 Concen: 57.989 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010497.D
 Acq: 21 May 2019 19:38

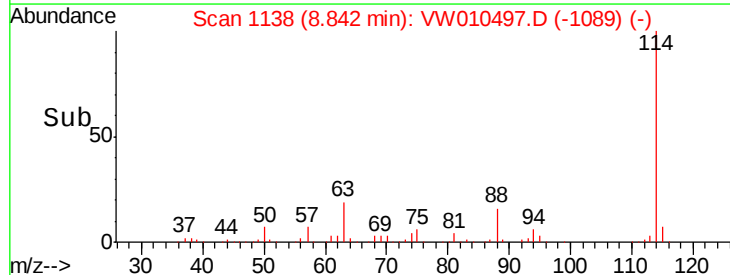
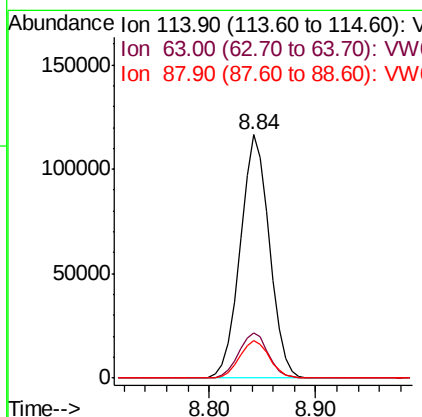
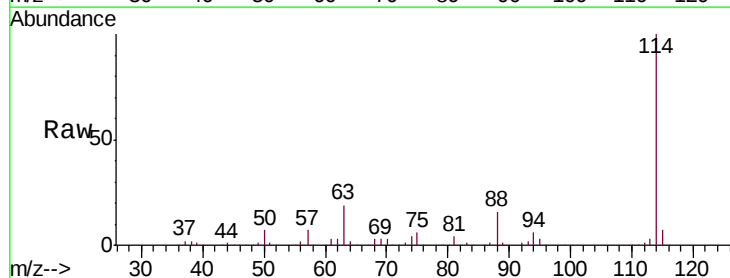
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-5-052019RE

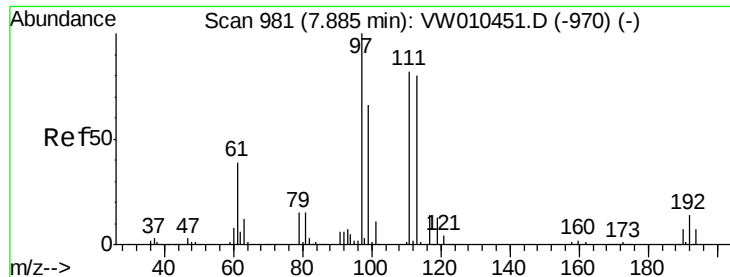
Tgt Ion: 65 Resp: 70700
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010497.D
 Acq: 21 May 2019 19:38

Tgt Ion: 114 Resp: 224238
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-052019RE

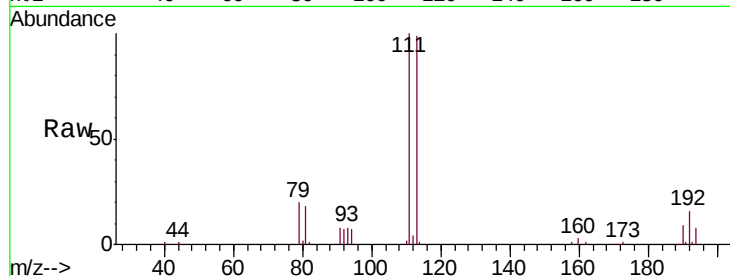
Tgt Ion:113 Resp: 68016

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

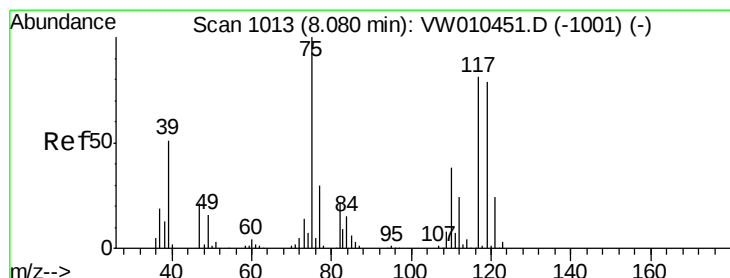
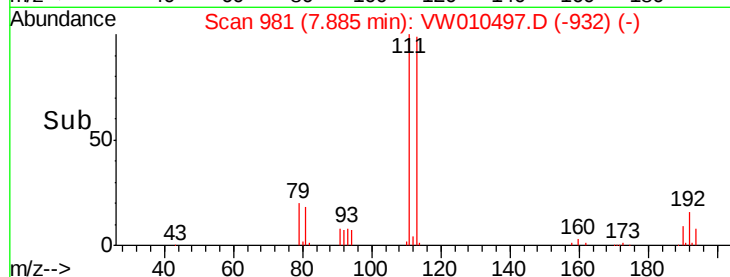
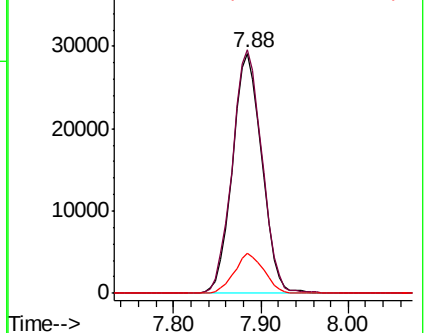
192 16.7 14.3 21.5



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: 4.559 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

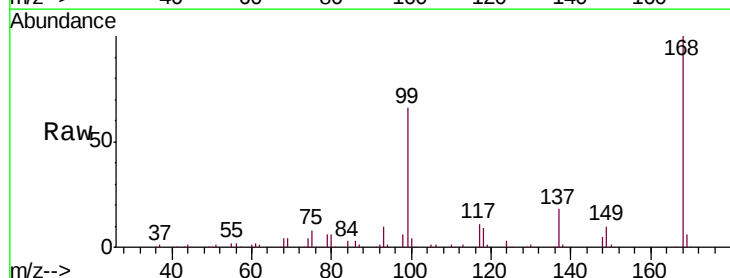
Tgt Ion: 75 Resp: 9523

Ion Ratio Lower Upper

75 100

110 9.5 19.2 57.6#

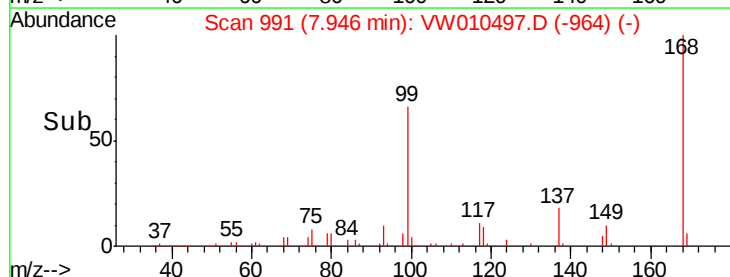
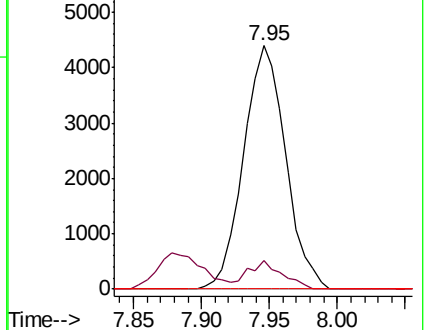
77 0.0 25.2 37.8#

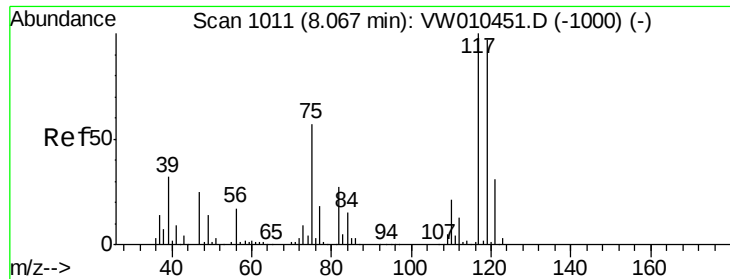


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

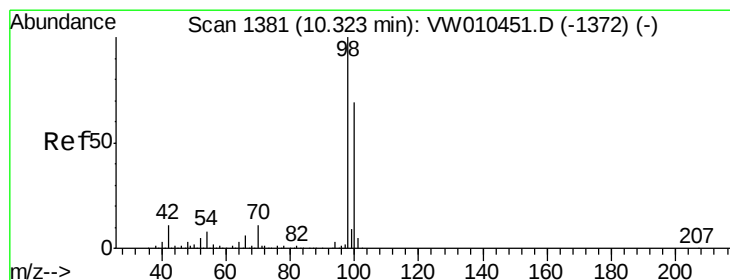
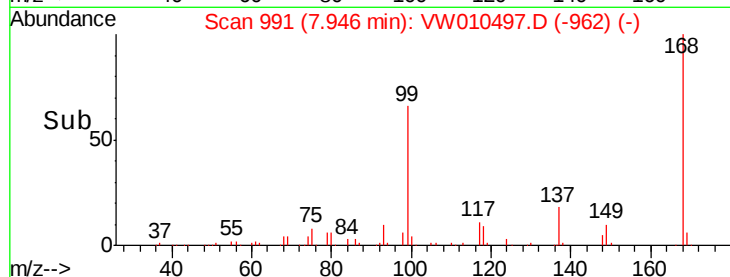
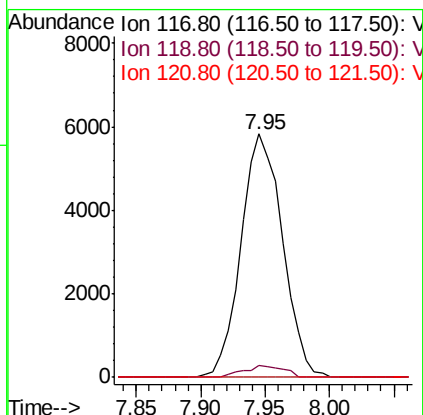
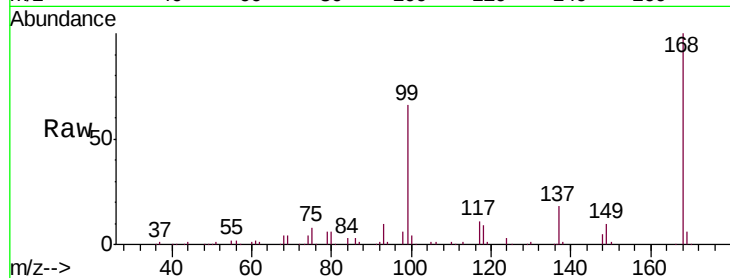




#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010497.D
Acq: 21 May 2019 19:38

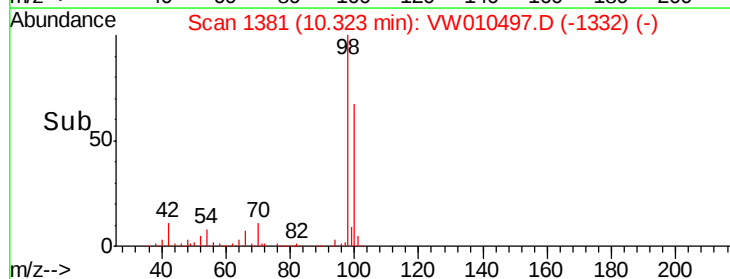
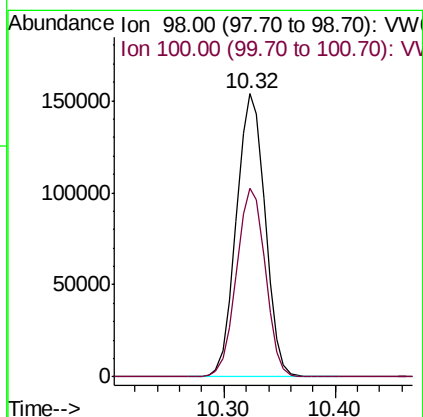
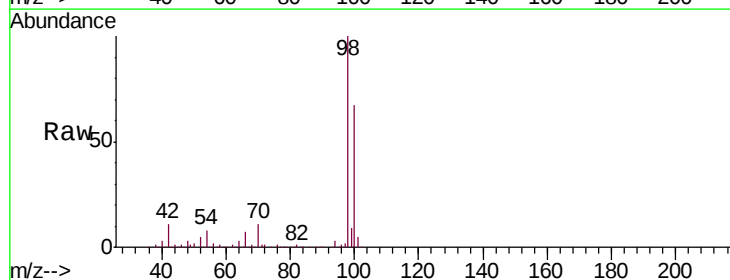
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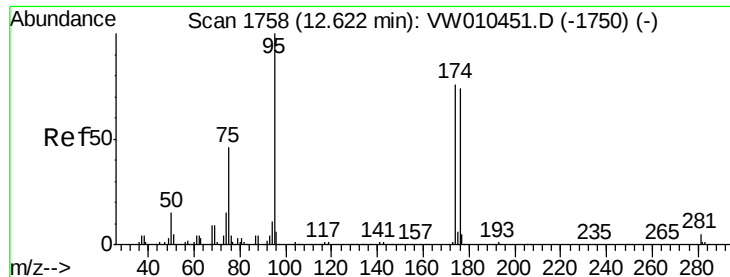
Tgt Ion: 117 Resp: 12992
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.927 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010497.D
Acq: 21 May 2019 19:38

Tgt Ion: 98 Resp: 275110
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 48.798 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-052019RE

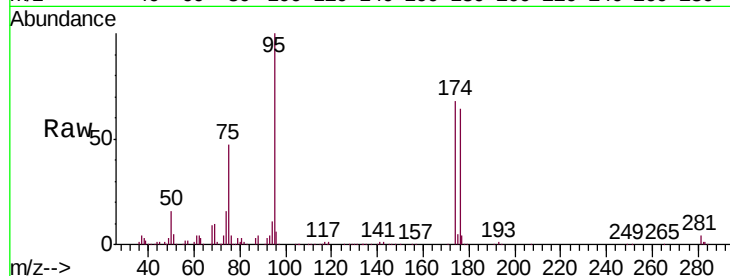
Tgt Ion: 95 Resp: 101033

Ion Ratio Lower Upper

95 100

174 66.8 0.0 148.6

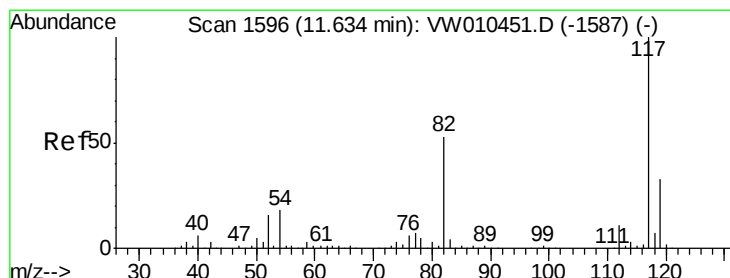
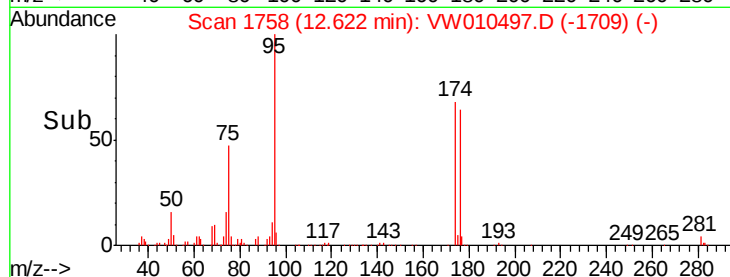
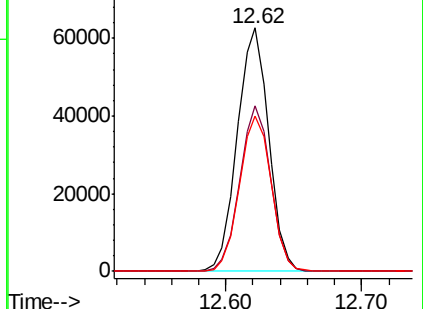
176 64.5 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

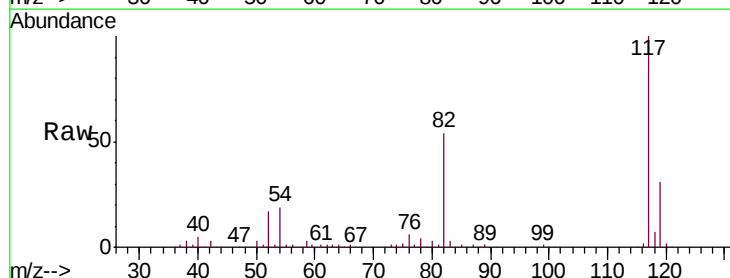
Tgt Ion: 117 Resp: 196362

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

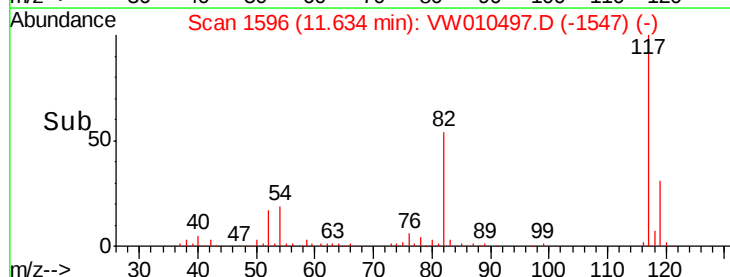
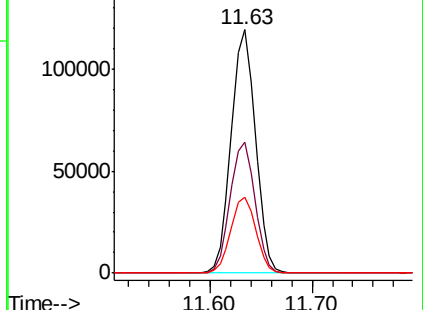
119 31.1 26.3 39.5

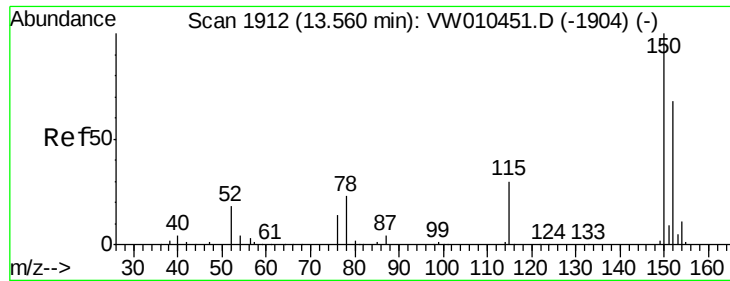


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-052019RE

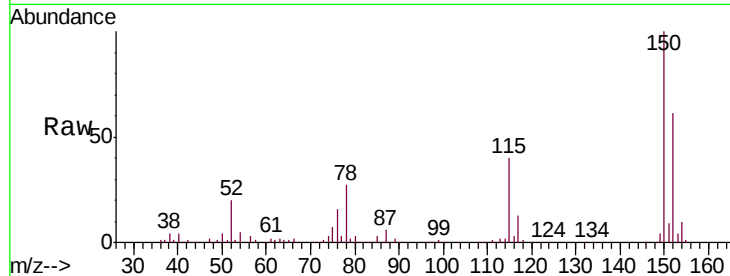
Tgt Ion:152 Resp: 83605

Ion Ratio Lower Upper

152 100

115 65.4 30.3 91.0

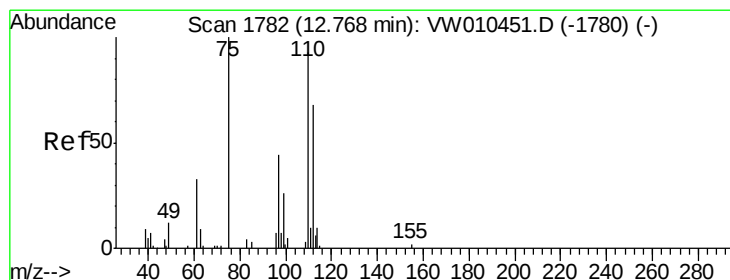
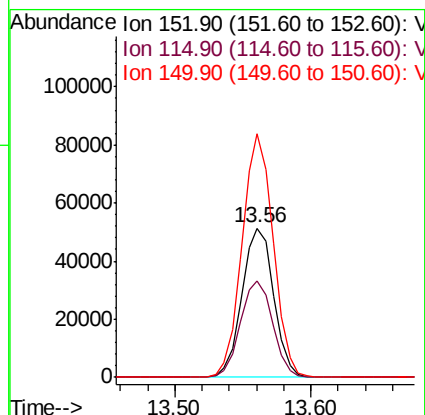
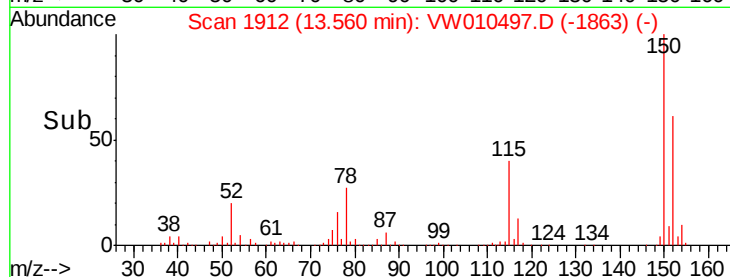
150 160.0 0.0 349.8



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: 56.807 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010497.D

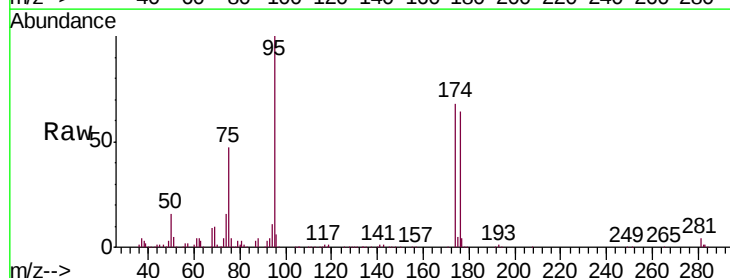
Acq: 21 May 2019 19:38

Tgt Ion: 75 Resp: 48209

Ion Ratio Lower Upper

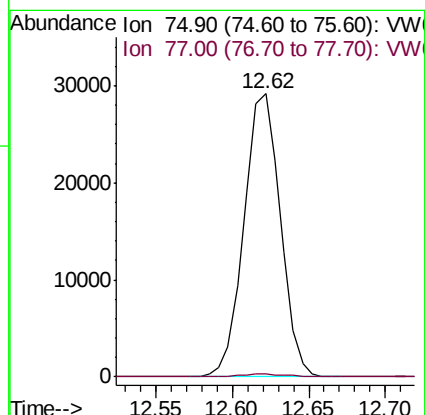
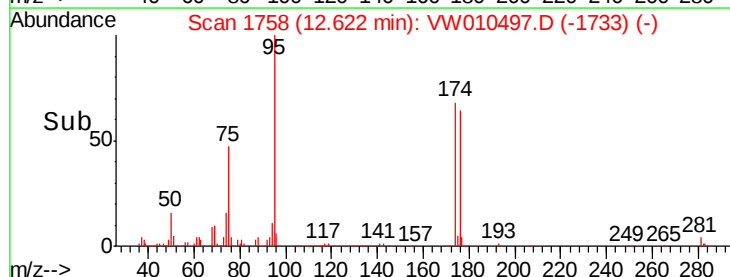
75 100

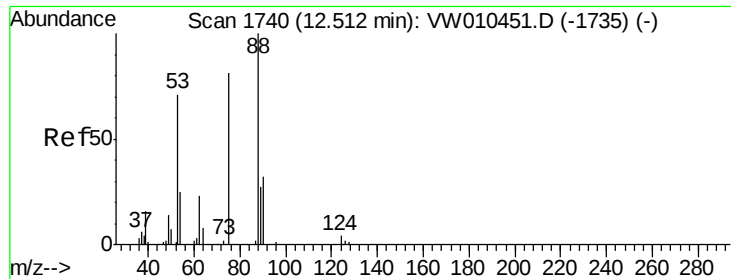
77 1.1 170.0 510.1#



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: 118.558 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010497.D

Acq: 21 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-052019RE

Tgt Ion: 75 Resp: 48209

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

