

Data File : VW010630.D
Acq On : 31 May 2019 12:08
Operator : SY/VA
Sample : VW0531SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBL01

Quant Time: Jun 01 04:46:57 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	162682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	279180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105689	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	81782	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.88	113	82291	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.32	98	333139	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	119886	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

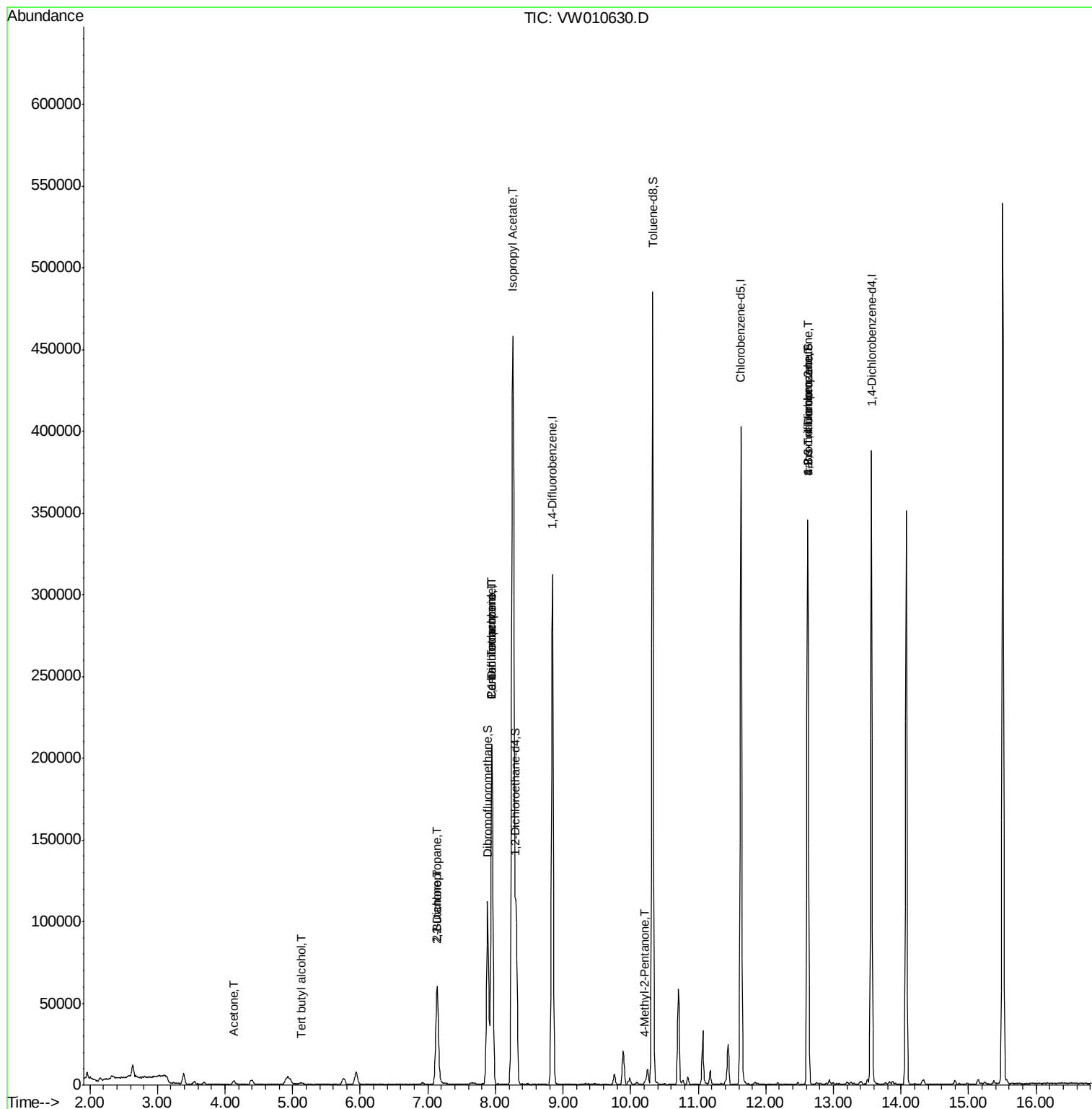
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	298	Below Cal		98
11) Tert butyl alcohol	5.12	59	1206	7.985 ug/l #		71
13) Acrolein	3.91	56	21	Below Cal	#	13
16) Acetone	4.13	43	4350	12.691 ug/l #		81
20) Methylene Chloride	4.91	84	1730	Below Cal	#	87
25) 2-Butanone	7.13	43	3043	6.204 ug/l #		74
26) 2,2-Dichloropropane	7.15	77	4308	1.486 ug/l #		52
36) 1,1-Dichloropropene	7.95	75	11703	4.500 ug/l #		47
38) Carbon Tetrachloride	7.95	117	16543	5.897 ug/l #		15
43) Isopropyl Acetate	8.26	43	8445	3.822 ug/l #		25
51) 4-Methyl-2-Pentanone	10.21	43	1572	1.404 ug/l #		78
76) 1,2,3-Trichloropropane	12.62	75	56860	53.001 ug/l #		1
81) trans-1,4-Dichloro-2-buten	12.62	75	56860	110.614 ug/l #		14

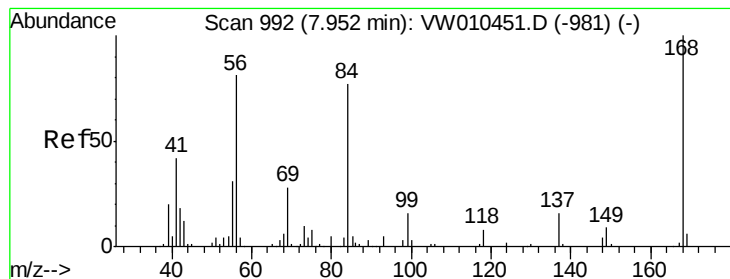
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010630.D

Acq: 31 May 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

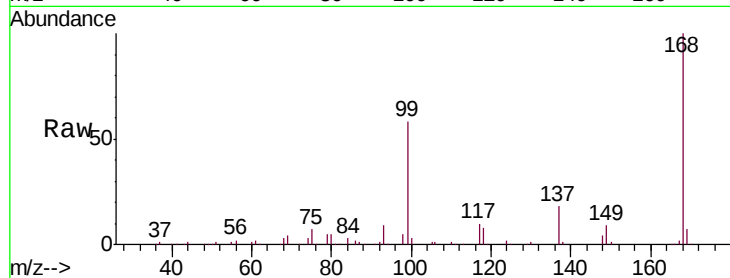
VW0531SBL01

Tgt Ion:168 Resp: 162682

Ion Ratio Lower Upper

168 100

99 57.5 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

80000

60000

40000

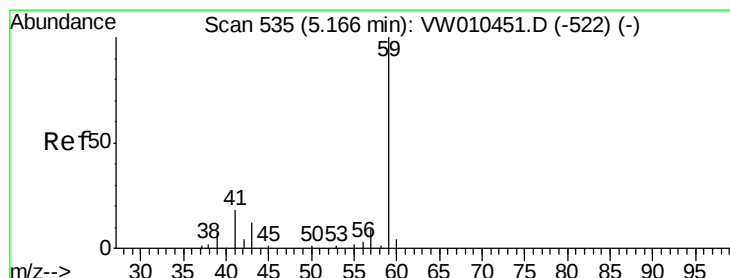
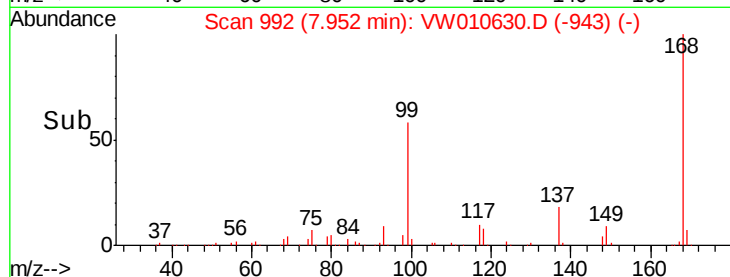
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 7.985 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW010630.D

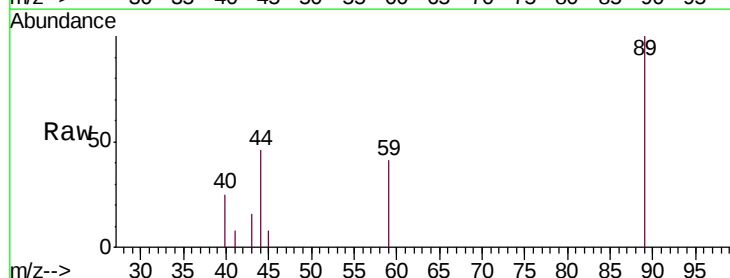
Acq: 31 May 2019 12:08

Tgt Ion: 59 Resp: 1206

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

5.12

300

250

200

150

100

50

0

5.05

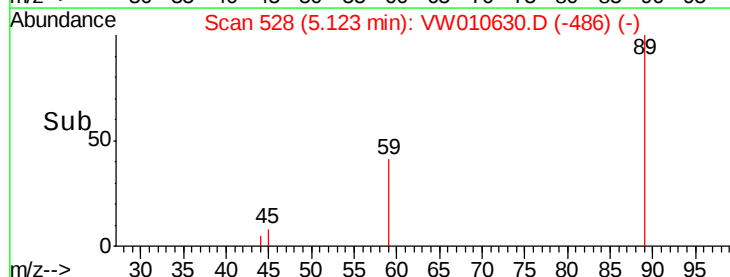
5.10

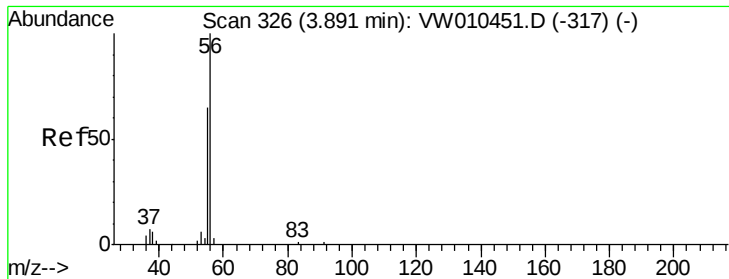
5.15

5.20

5.25

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW010630.D

Acq: 31 May 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

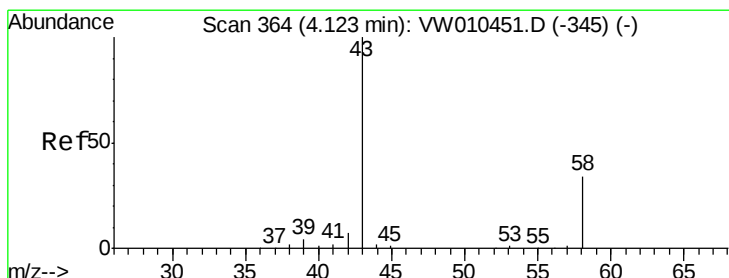
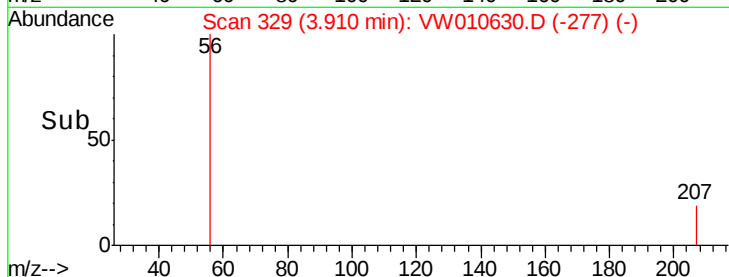
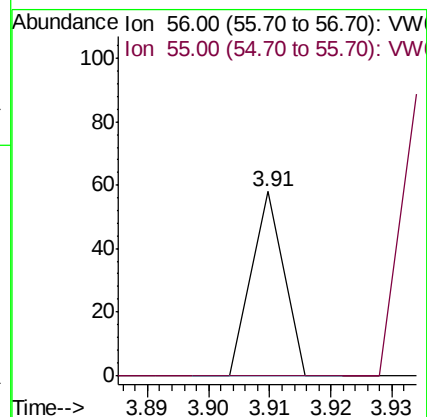
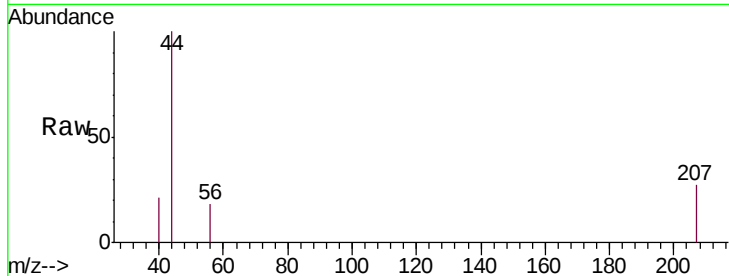
VW0531SBL01

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 12.691 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010630.D

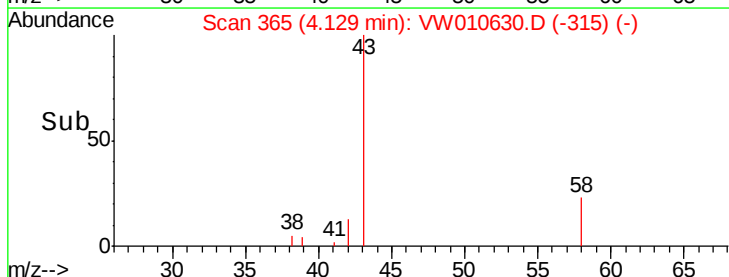
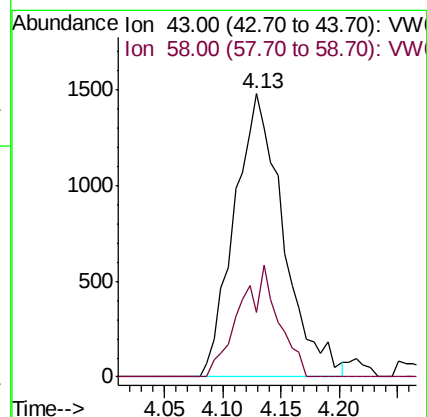
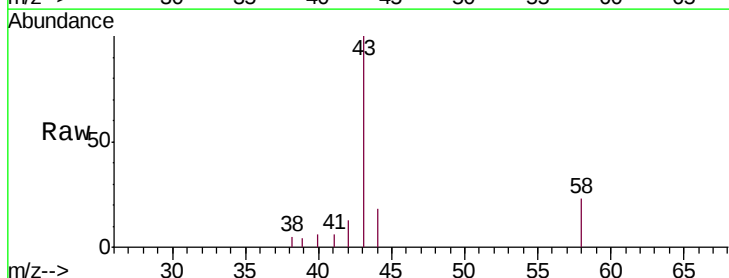
Acq: 31 May 2019 12:08

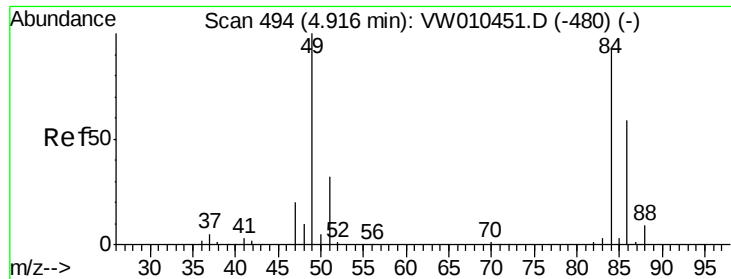
Tgt Ion: 43 Resp: 4350

Ion Ratio Lower Upper

43 100

58 22.8 27.0 40.4#

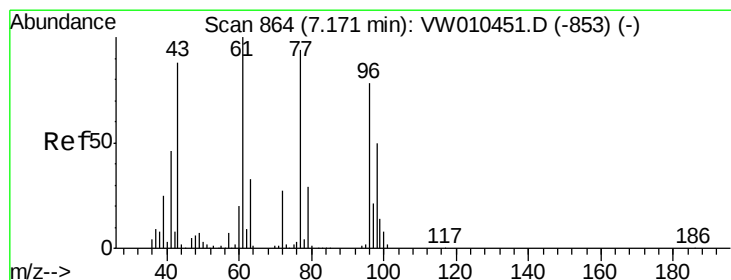
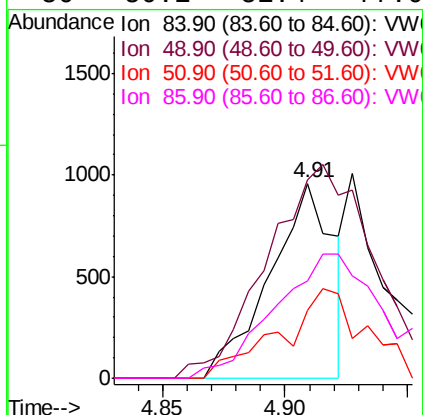
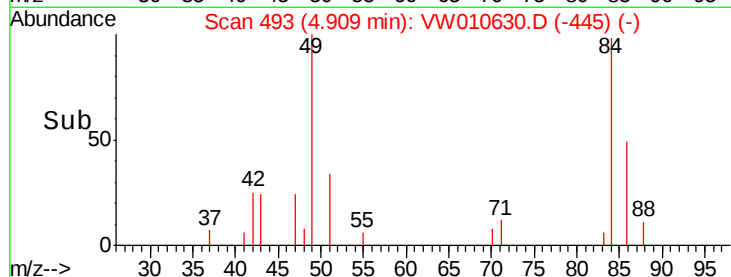
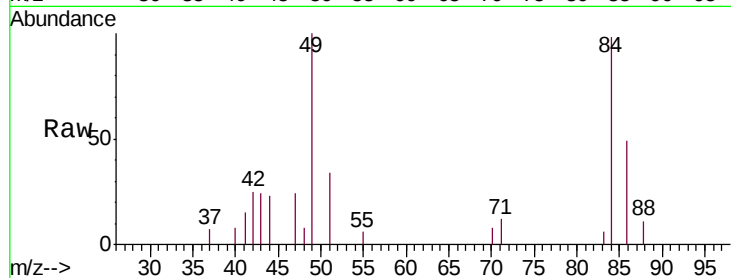




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010630.D
Acq: 31 May 2019 12:08

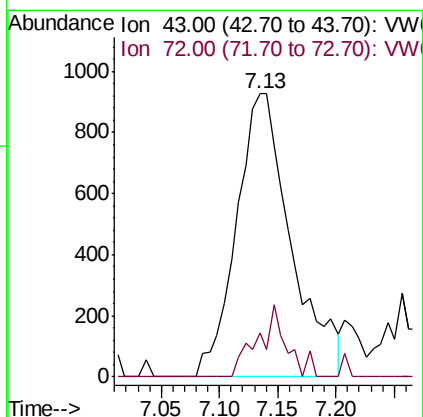
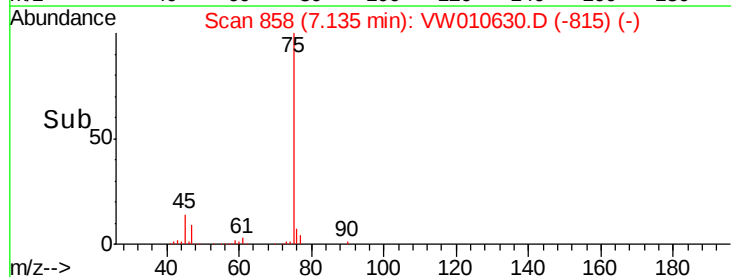
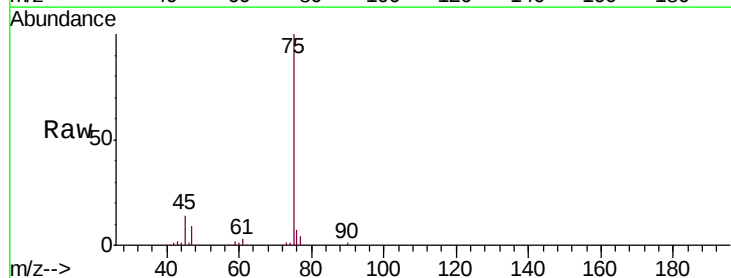
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBL01

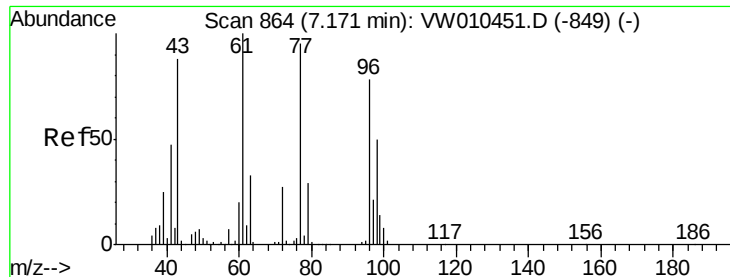
Tgt Ion: 84 Resp: 1730
Ion Ratio Lower Upper
84 100
49 95.0 87.2 130.8
51 35.1 27.7 41.5
86 50.1 51.4 77.0#



#25
2-Butanone
Concen: 6.204 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW010630.D
Acq: 31 May 2019 12:08

Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
72 15.7 24.1 36.1#

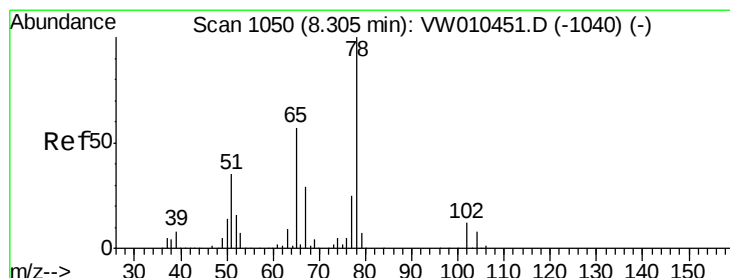
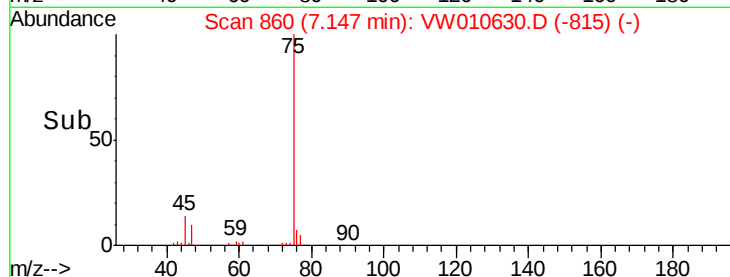
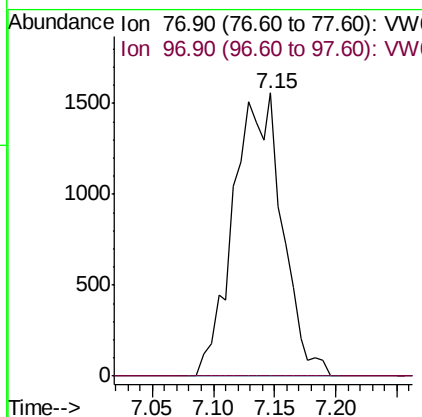
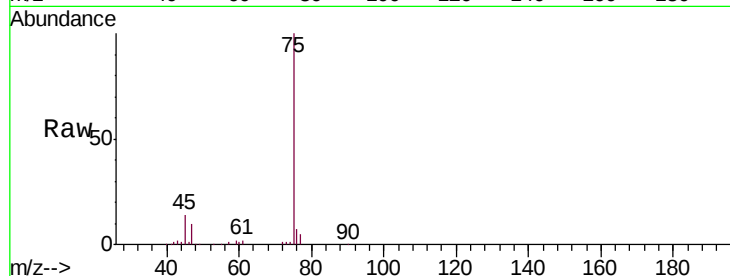




#26
 2,2-Dichloropropane
 Concen: 1.486 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

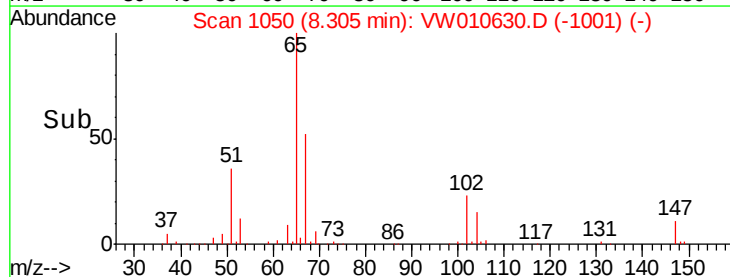
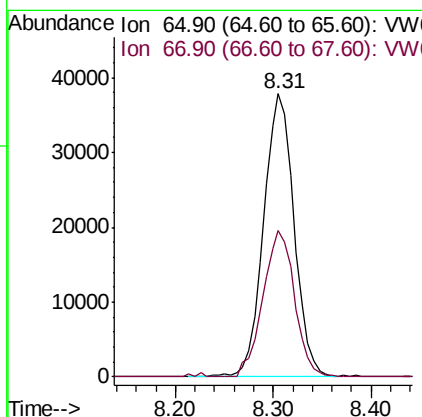
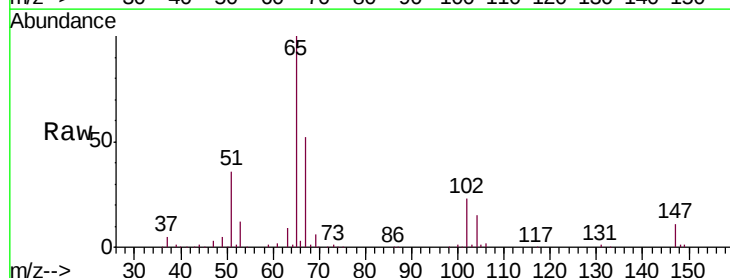
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBL01

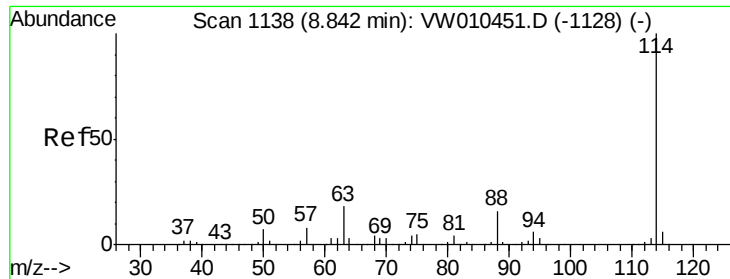
Tgt Ion: 77 Resp: 4308
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#33
 1,2-Dichloroethane-d4
 Concen: 48.704 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

Tgt Ion: 65 Resp: 81782
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.6

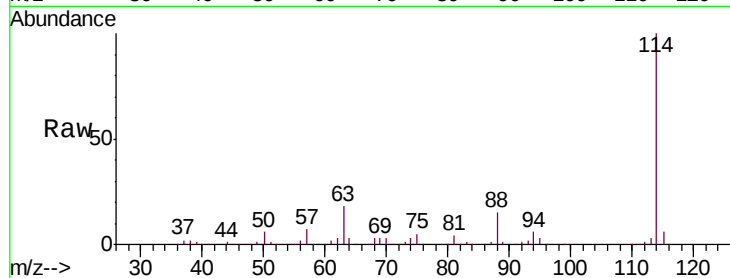




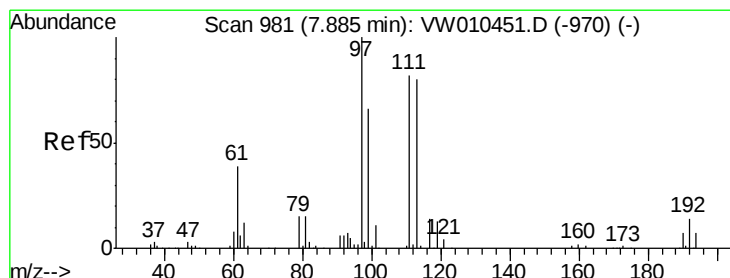
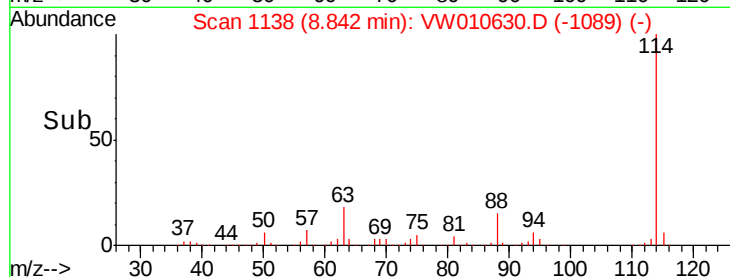
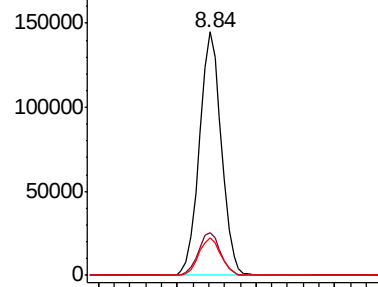
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBL01

Tgt Ion:114 Resp: 279180
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 15.3 0.0 32.0

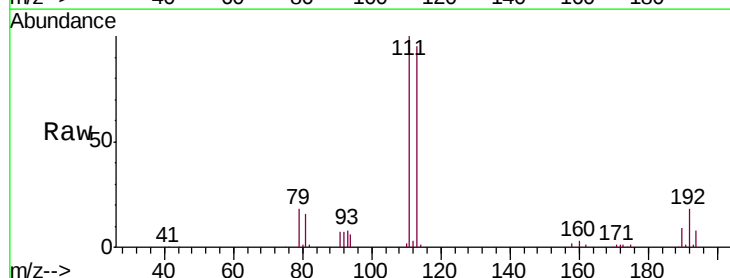


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

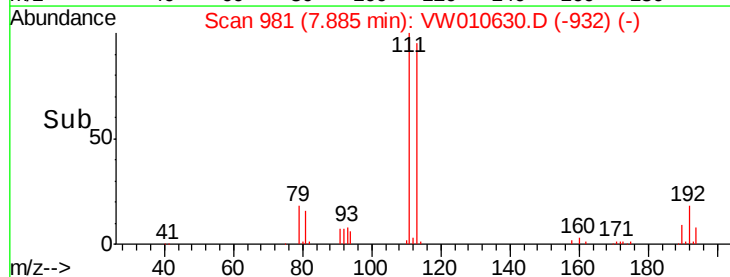
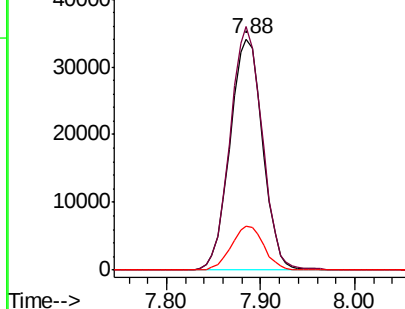


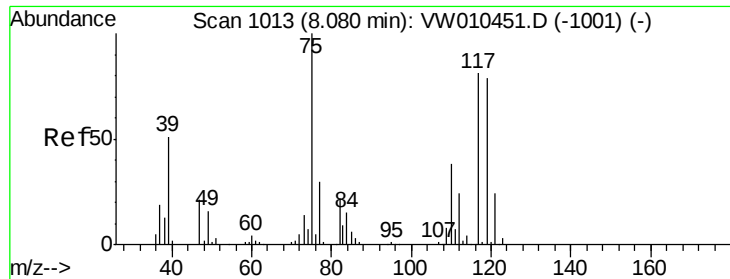
#35
 Dibromofluoromethane
 Concen: 48.578 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

Tgt Ion:113 Resp: 82291
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 18.9 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

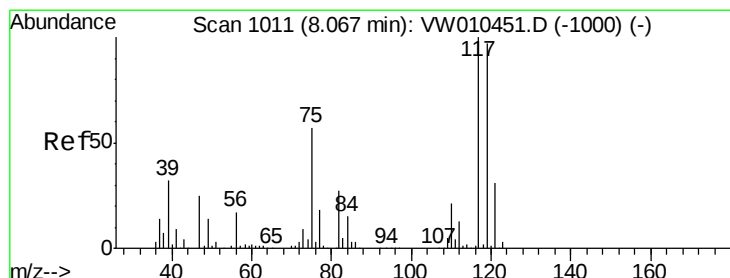
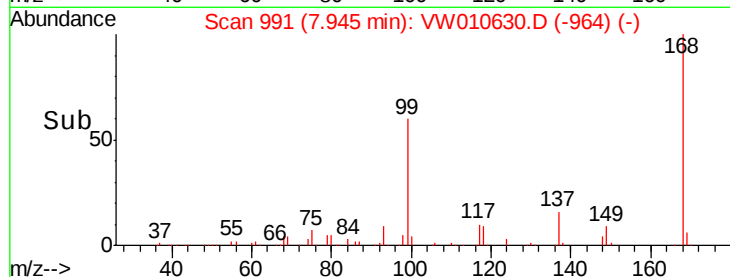
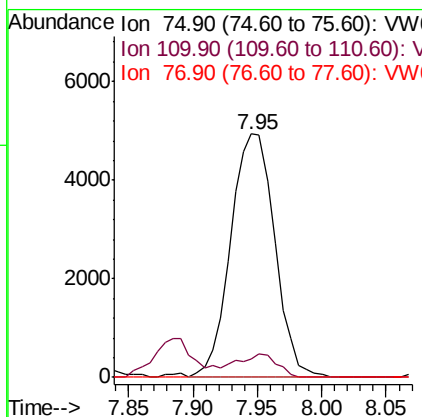
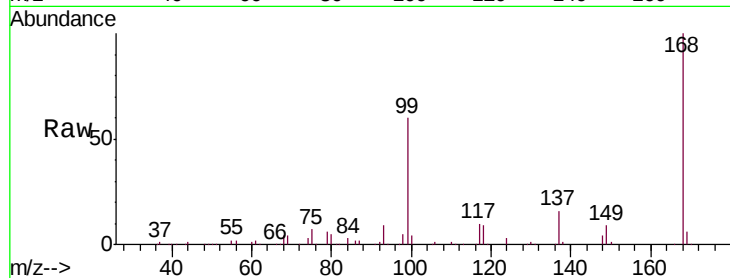




#36
 1,1-Dichloropropene
 Concen: 4.500 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

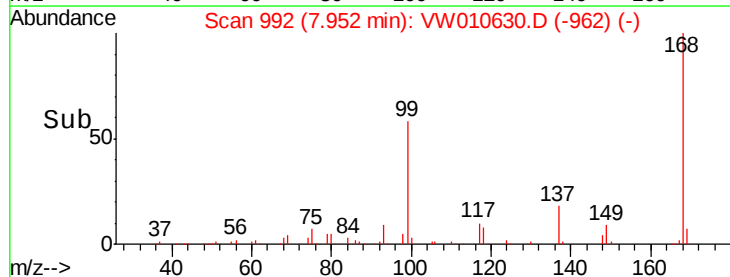
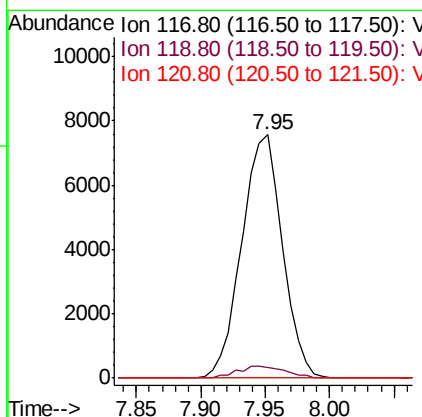
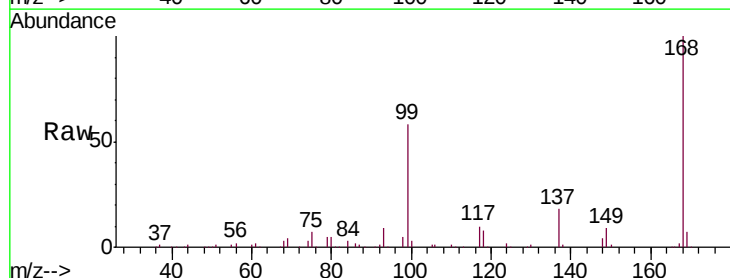
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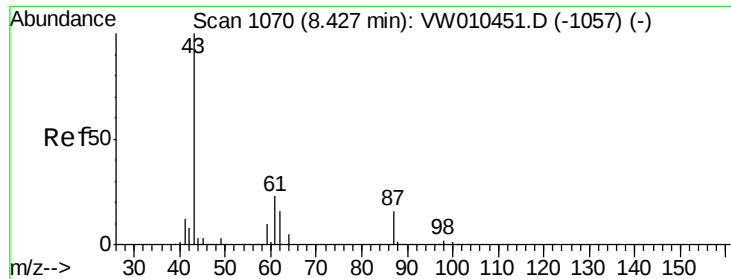
Tgt Ion: 75 Resp: 11703
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.897 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

Tgt Ion: 117 Resp: 16543
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.4 116.0#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 3.822 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.16 min

Lab File: VW010630.D

Acq: 31 May 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBL01

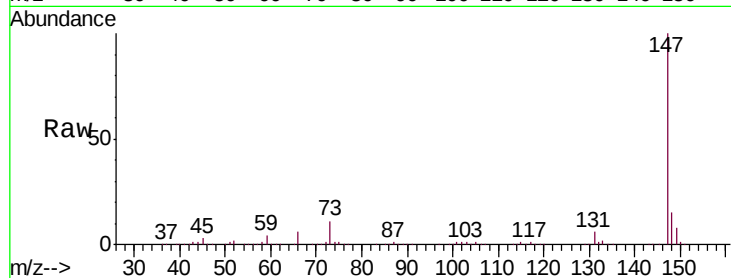
Tgt Ion: 43 Resp: 8445

Ion Ratio Lower Upper

43 100

61 24.3 25.4 38.2#

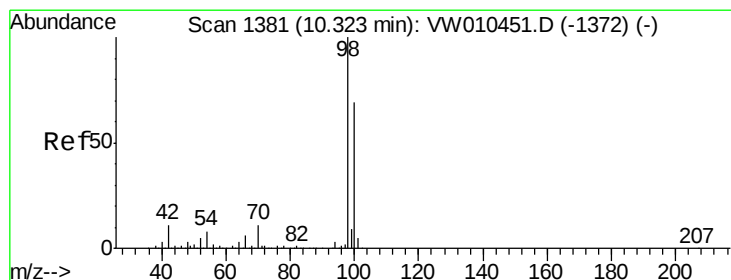
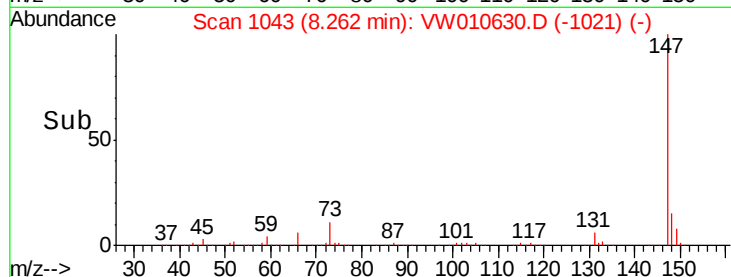
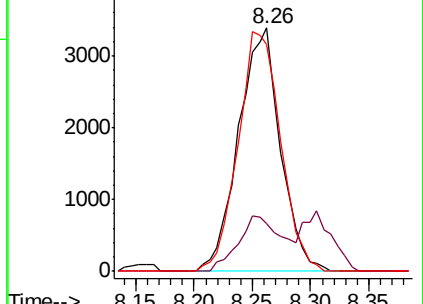
87 100.1 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#50

Toluene-d8

Concen: 51.478 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010630.D

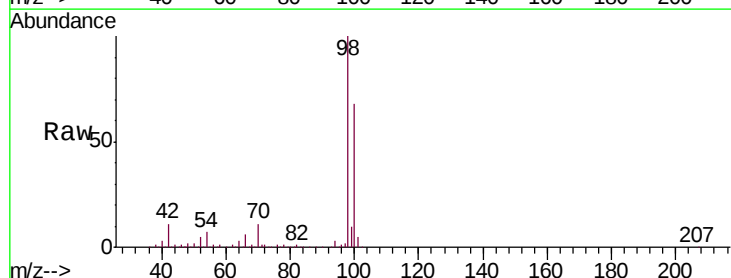
Acq: 31 May 2019 12:08

Tgt Ion: 98 Resp: 333139

Ion Ratio Lower Upper

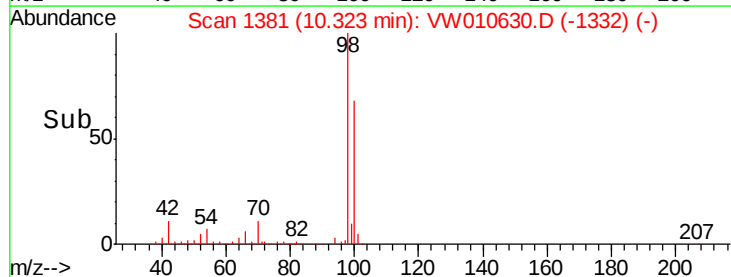
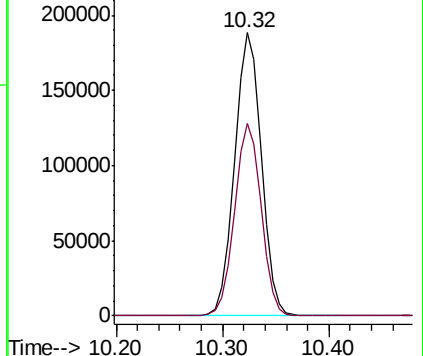
98 100

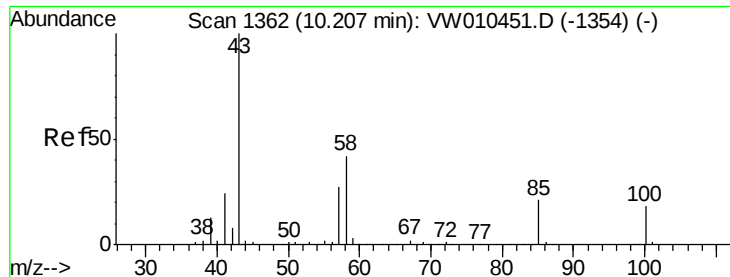
100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

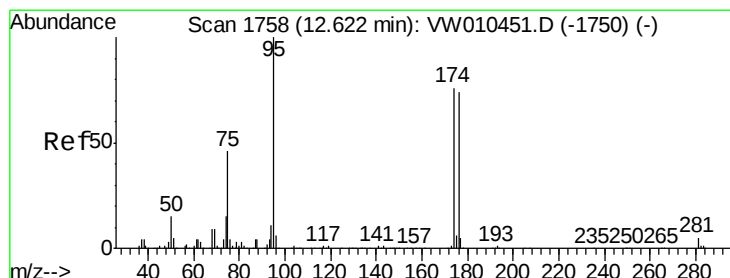
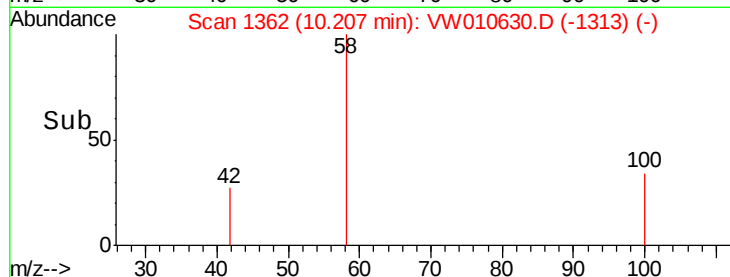
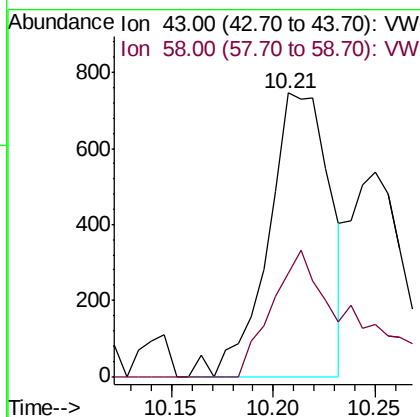
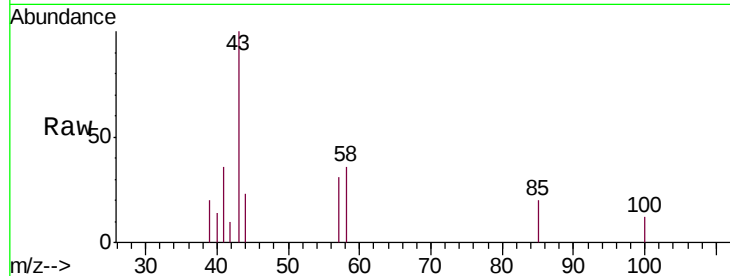




#51
 4-Methyl-2-Pentanone
 Concen: 1.404 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

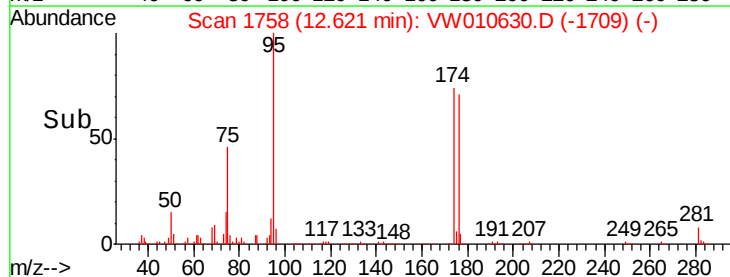
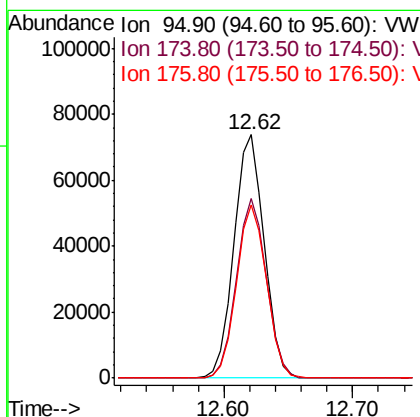
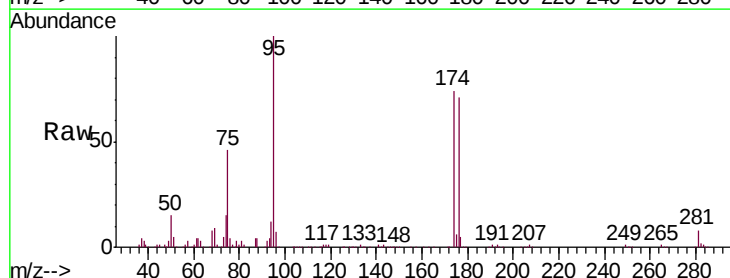
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBL01

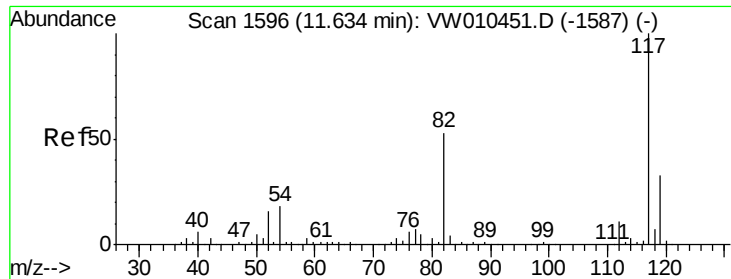
Tgt Ion: 43 Resp: 1572
 Ion Ratio Lower Upper
 43 100
 58 55.5 33.2 49.8#



#62
 4-Bromofluorobenzene
 Concen: 46.509 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010630.D
 Acq: 31 May 2019 12:08

Tgt Ion: 95 Resp: 119886
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 148.6
 176 70.6 0.0 144.2

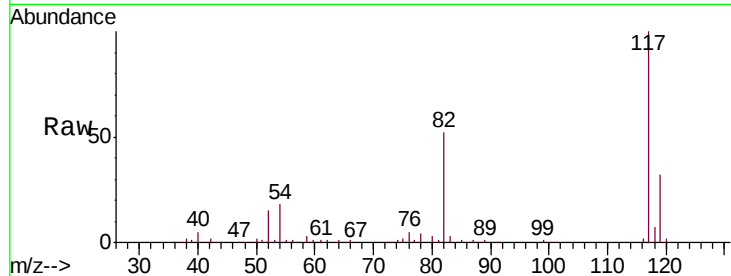




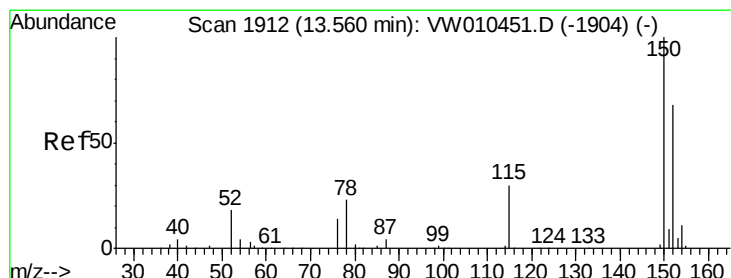
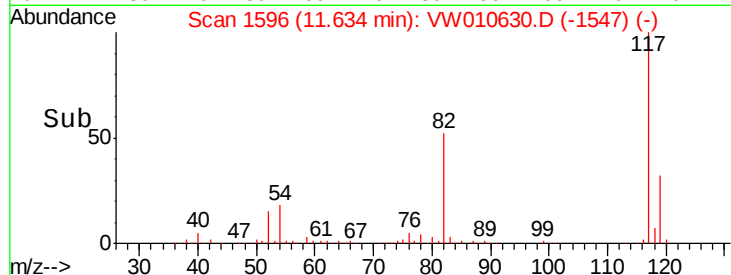
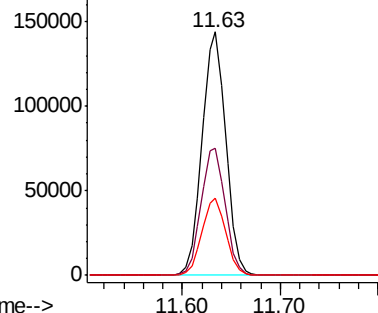
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010630.D
Acq: 31 May 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBL01

Tgt Ion:117 Resp: 242555
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 31.8 26.3 39.5

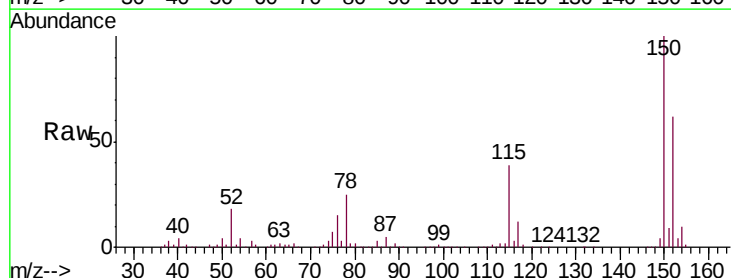


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

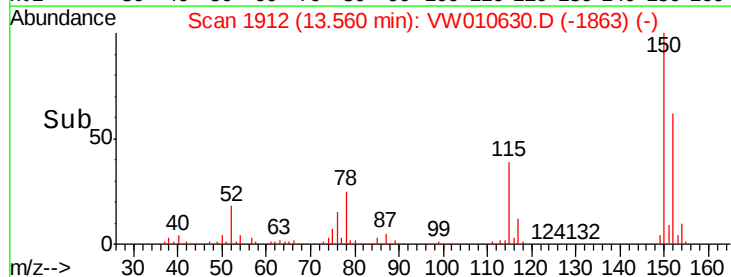
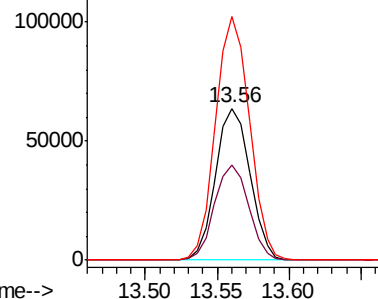


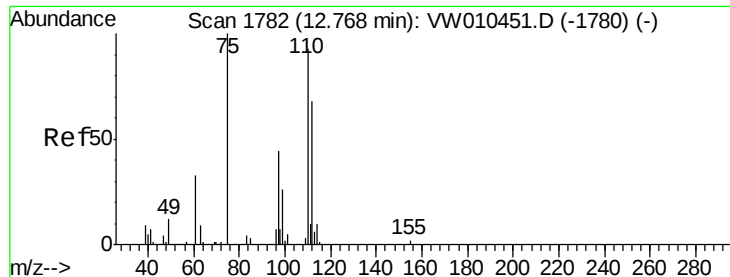
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010630.D
Acq: 31 May 2019 12:08

Tgt Ion:152 Resp: 105689
Ion Ratio Lower Upper
152 100
115 62.1 30.3 91.0
150 158.2 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: 53.001 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010630.D

Acq: 31 May 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

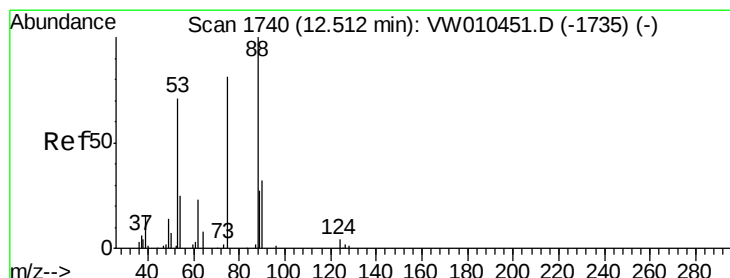
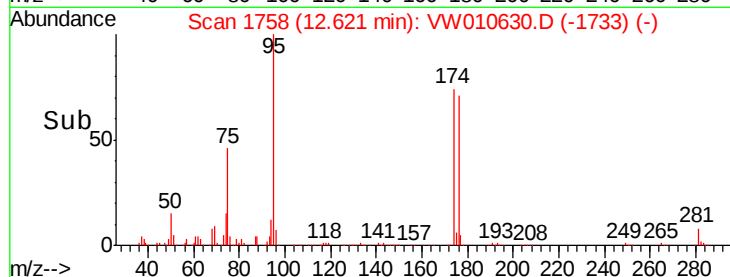
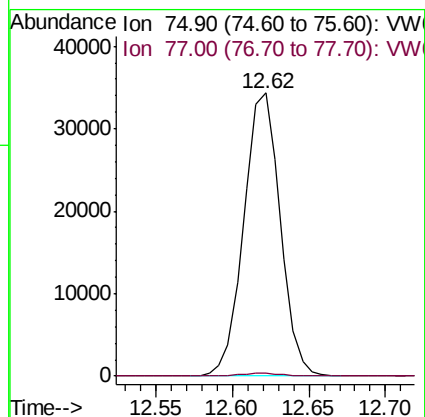
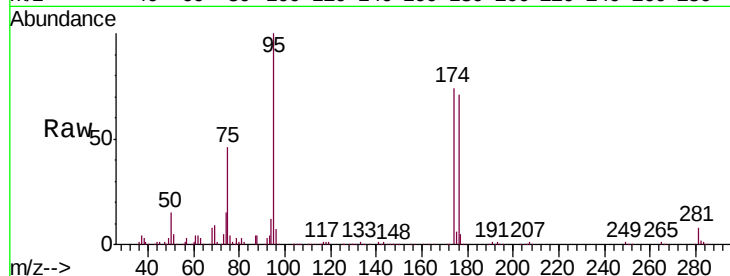
VW0531SBL01

Tgt Ion: 75 Resp: 56860

Ion Ratio Lower Upper

75 100

77 1.1 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.614 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010630.D

Acq: 31 May 2019 12:08

Tgt Ion: 75 Resp: 56860

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

