

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010561.D
 Acq On : 28 May 2019 12:21
 Operator : SY/VA
 Sample : VW0528SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBL01

Quant Time: May 29 06:59:11 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	146824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96398	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	69052	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
35) Dibromofluoromethane	7.88	113	73844	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.32	98	292988	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	104583	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

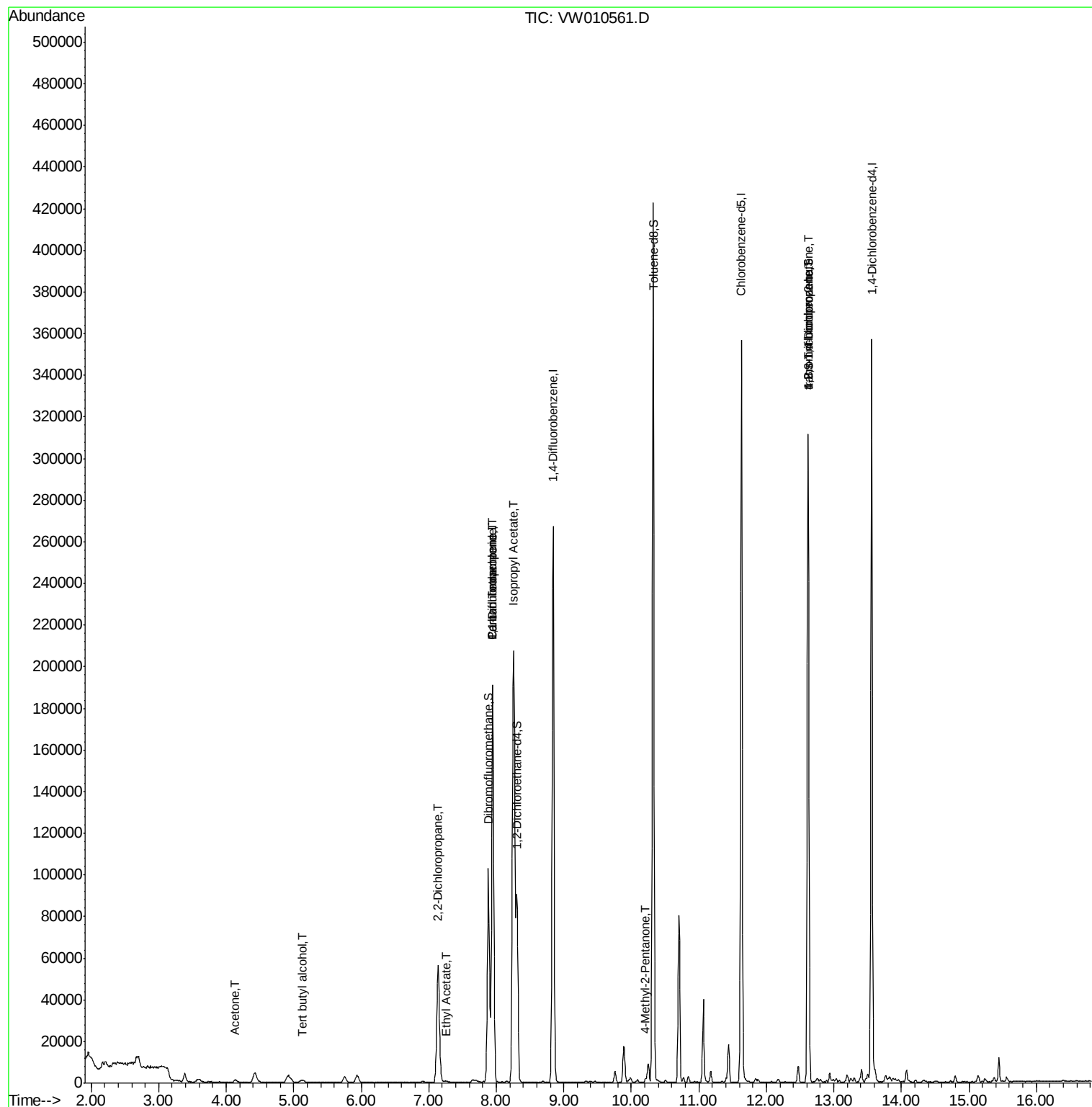
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	245	Below Cal	#	42
11) Tert butyl alcohol	5.12	59	1289	9.456	ug/l #	71
13) Acrolein	4.04	56	19	Below Cal	#	1
16) Acetone	4.14	43	2451	7.923	ug/l	91
20) Methylene Chloride	4.92	84	2565	Below Cal	#	88
26) 2,2-Dichloropropane	7.14	77	4091	1.564	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	10135	4.432	ug/l #	48
37) Ethyl Acetate	7.25	43	1164	1.197	ug/l #	74
38) Carbon Tetrachloride	7.95	117	14563	5.903	ug/l #	16
43) Isopropyl Acetate	8.26	43	3924	2.020	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	1367	1.389	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	48592	49.660	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48592	103.641	ug/l #	14

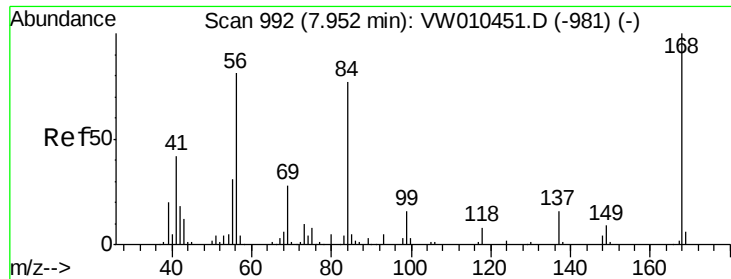
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

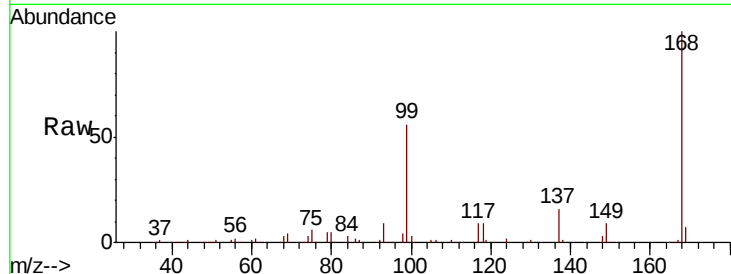
VW0528SBL01

Tot Ion:168 Resp: 146824

Ion Ratio Lower Upper

168 100

99 56.5 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

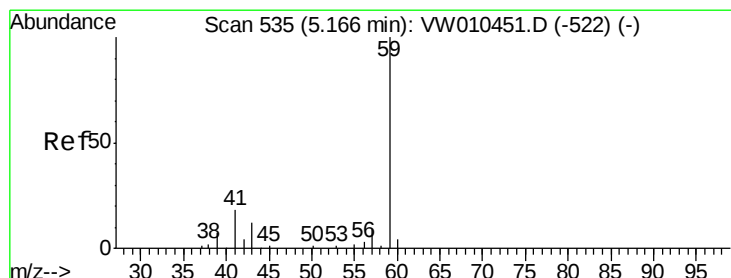
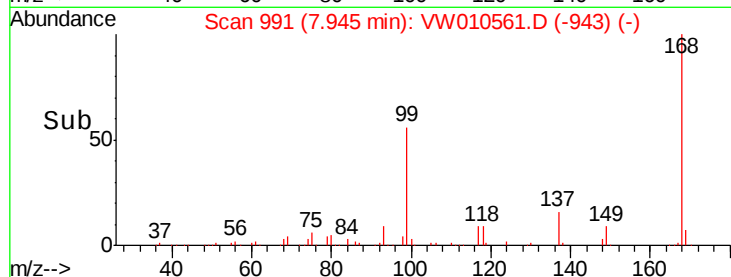
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 9.456 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW010561.D

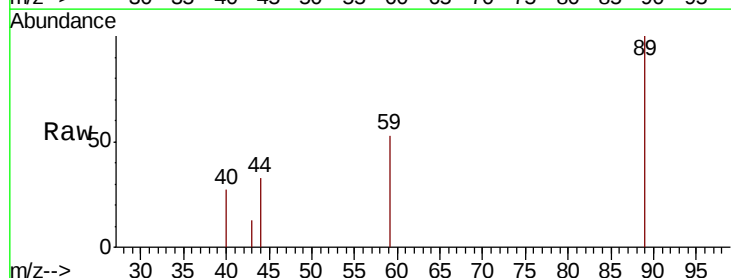
Acq: 28 May 2019 12:21

Tgt Ion: 59 Resp: 1289

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

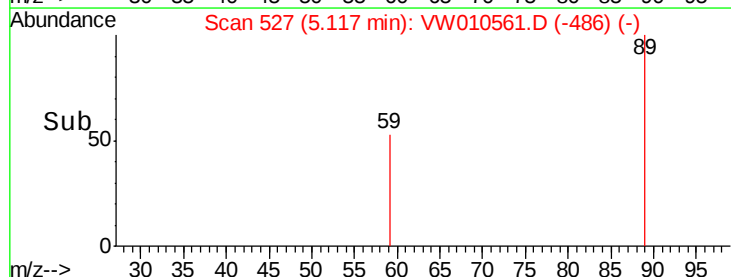
200

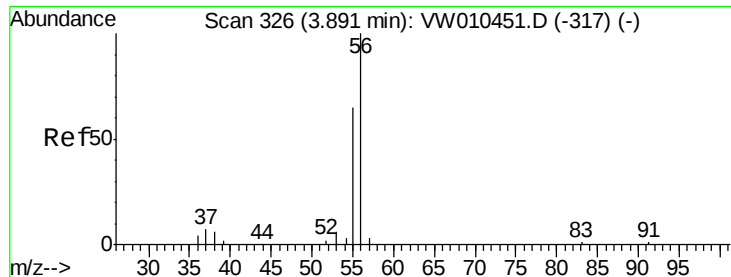
100

0

5.00 5.10 5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 4.04 min Scan# 350

Delta R.T. 0.15 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

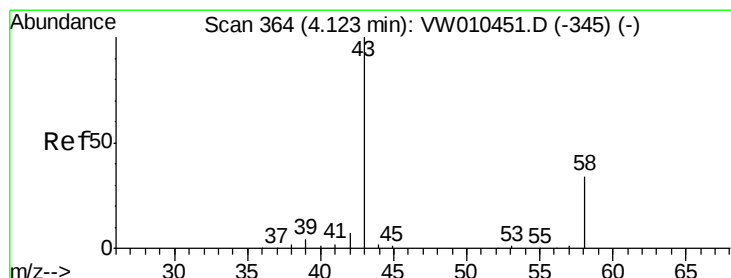
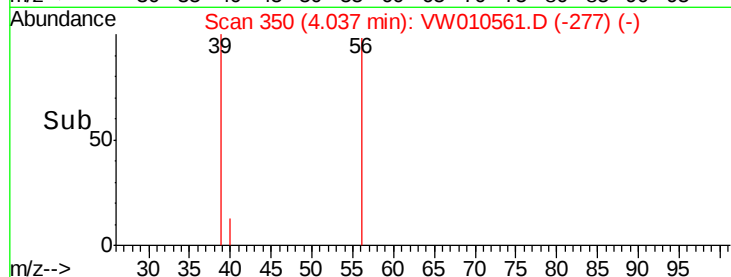
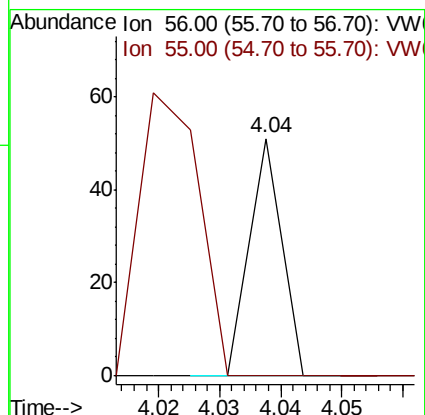
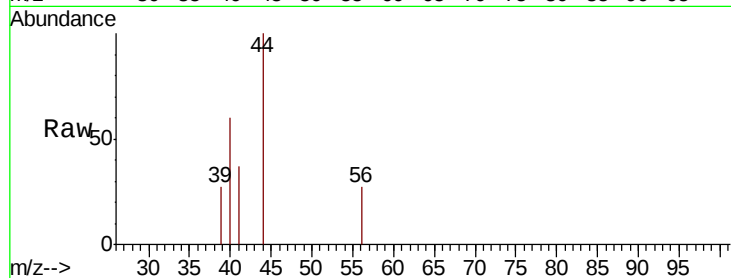
VW0528SBL01

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 221.1 57.9 86.9#



#16

Acetone

Concen: 7.923 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010561.D

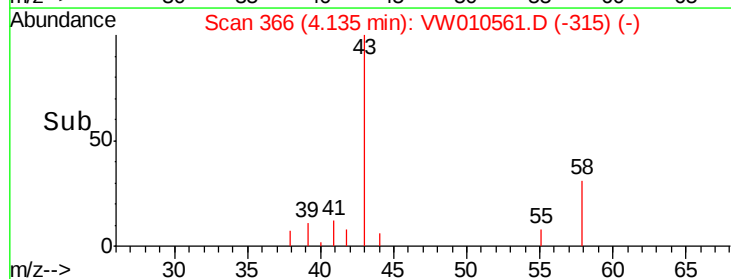
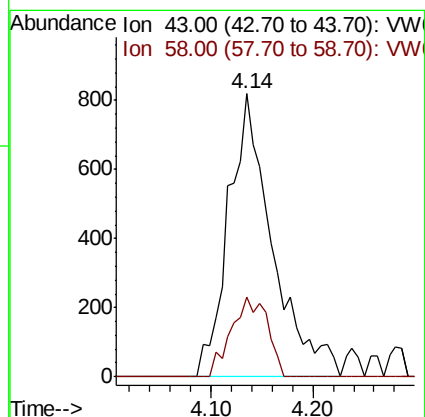
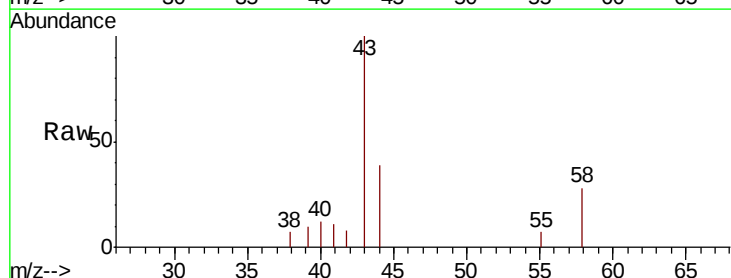
Acq: 28 May 2019 12:21

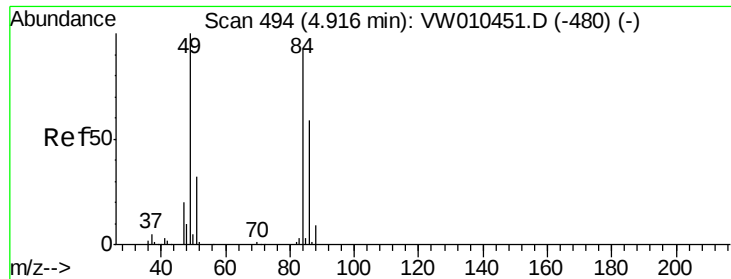
Tgt Ion: 43 Resp: 2451

Ion Ratio Lower Upper

43 100

58 28.3 27.0 40.4

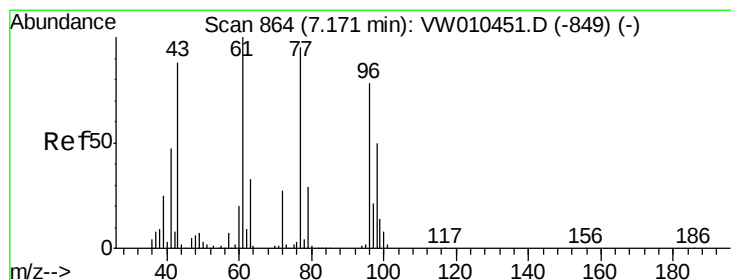
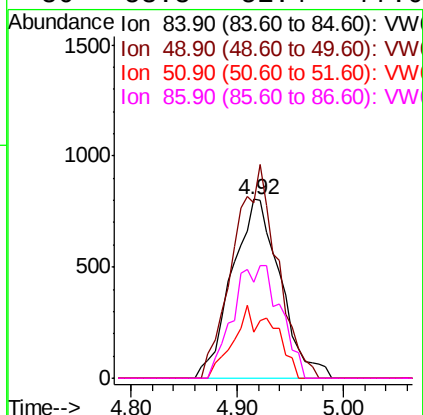
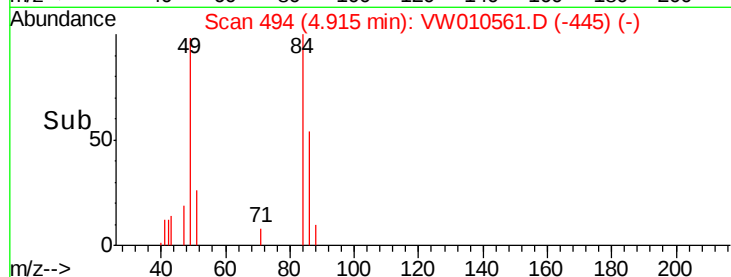
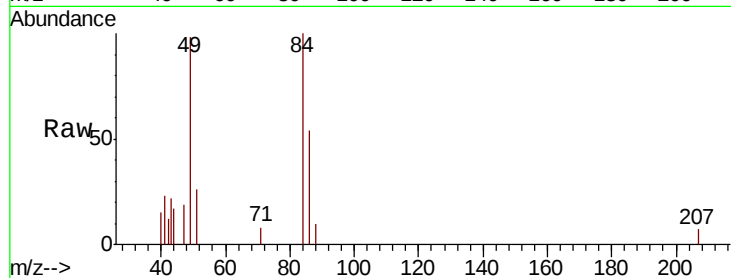




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010561.D
Acq: 28 May 2019 12:21

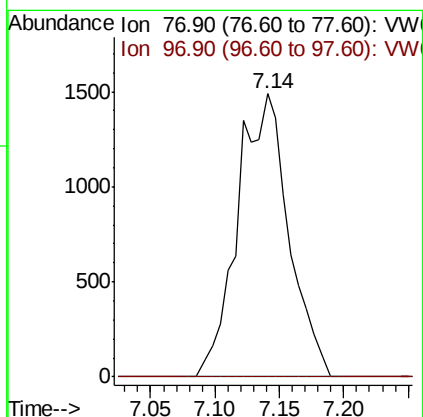
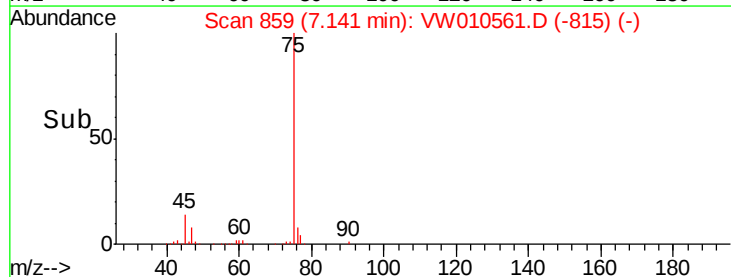
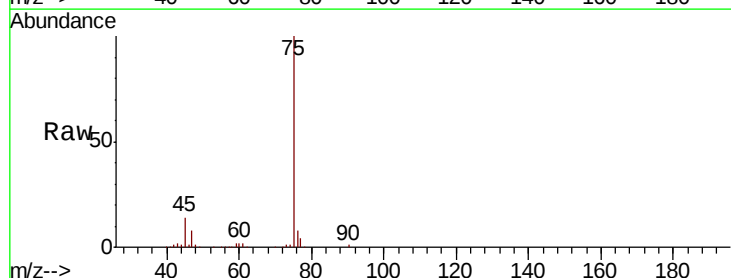
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBL01

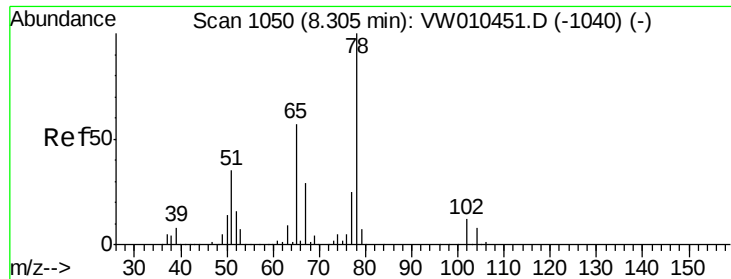
Tot Ion: 84 Resp: 2565
Ion Ratio Lower Upper
84 100
49 98.0 87.2 130.8
51 26.1 27.7 41.5#
86 53.8 51.4 77.0



#26
2,2-Dichloropropane
Concen: 1.564 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010561.D
Acq: 28 May 2019 12:21

Tgt Ion: 77 Resp: 4091
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#33

1,2-Dichloroethane-d4

Concen: 45.565 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

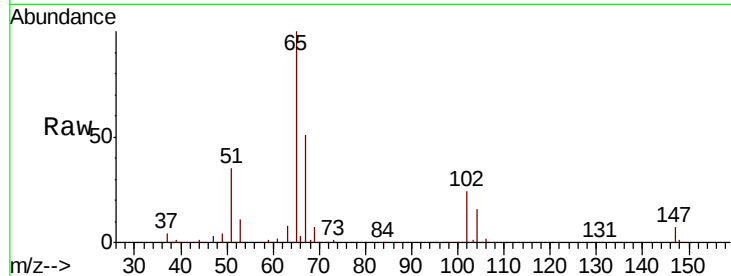
VW0528SBL01

Tot Ion: 65 Resp: 69052

Ion Ratio Lower Upper

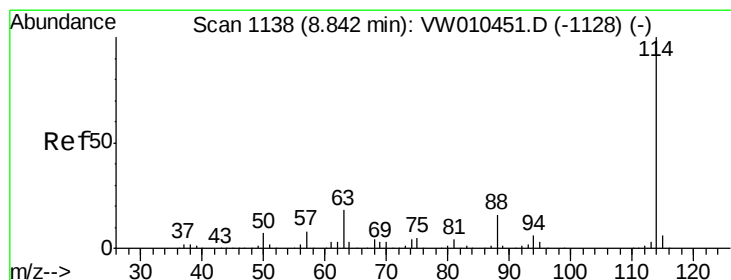
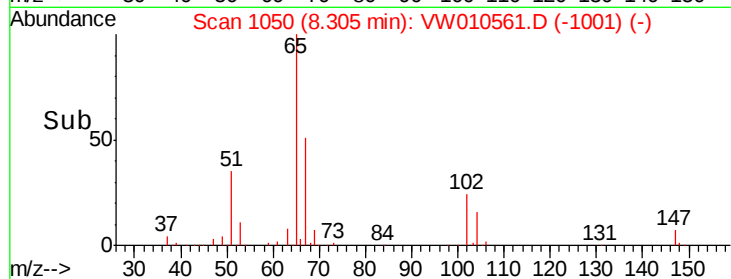
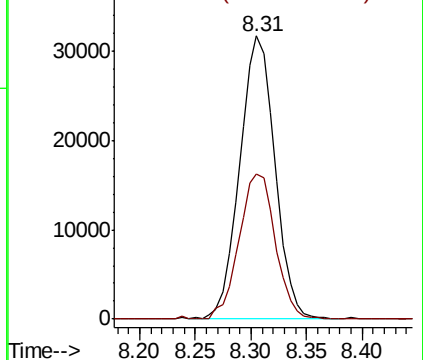
65 100

67 53.4 0.0 103.6



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: VW010561.D

Acq: 28 May 2019 12:21

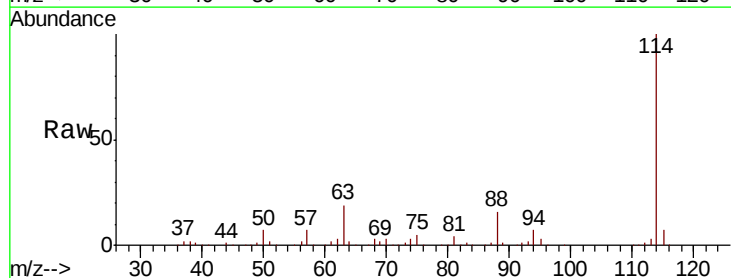
Tgt Ion: 114 Resp: 245488

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

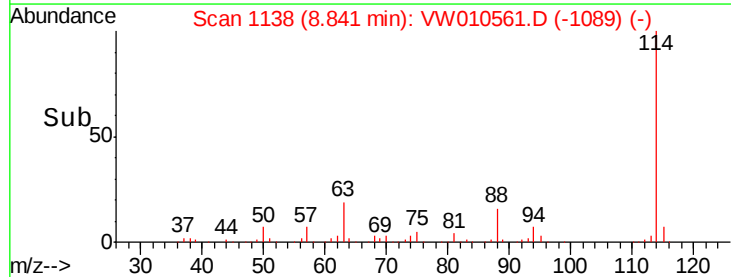
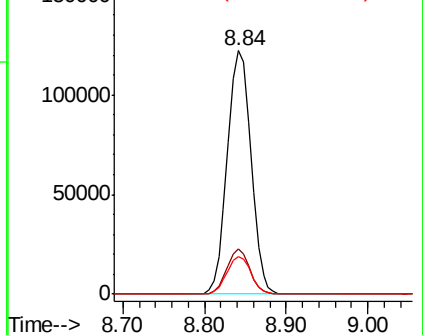
88 15.7 0.0 32.0

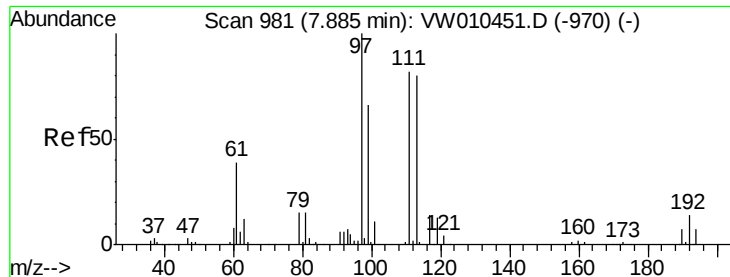


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

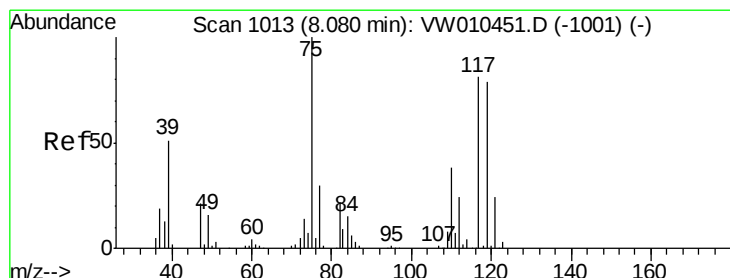
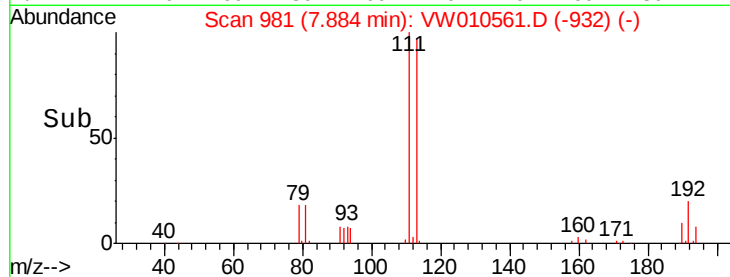
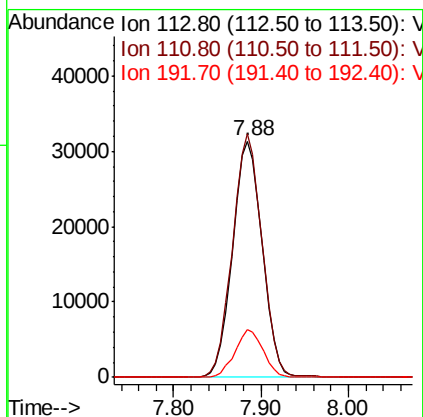
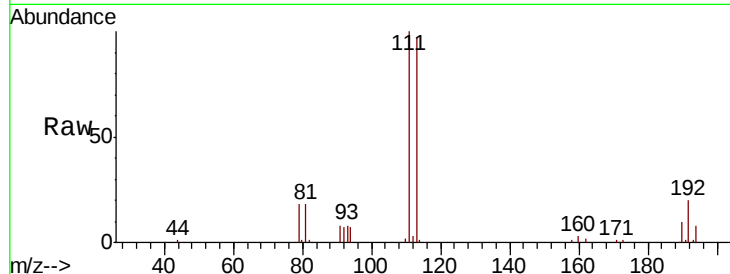




#35
 Dibromofluoromethane
 Concen: 49.574 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010561.D
 Acq: 28 May 2019 12:21

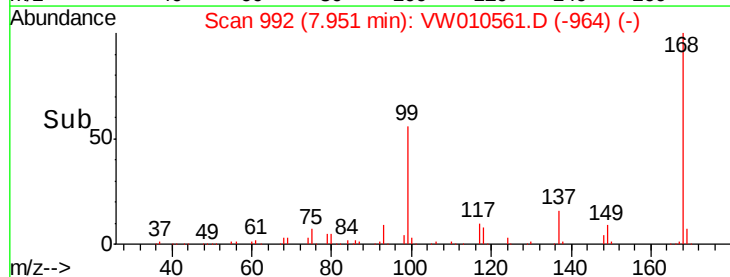
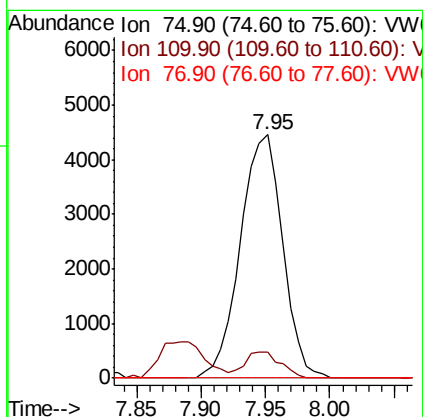
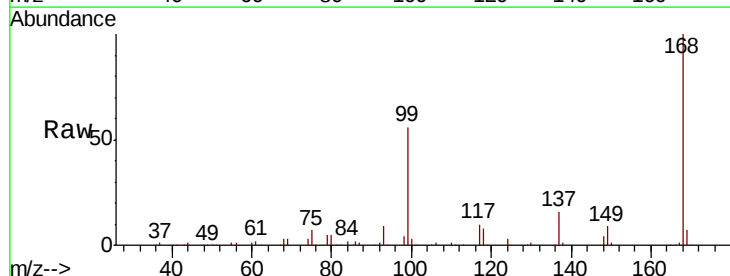
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBL01

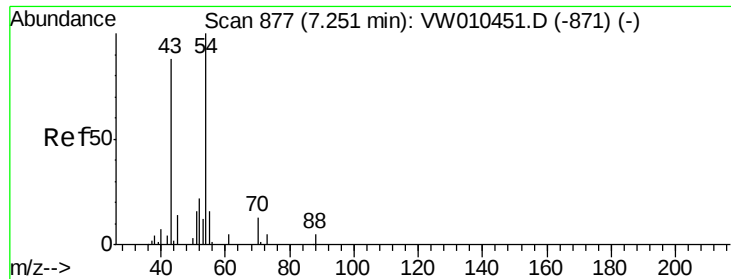
Tot Ion:113 Resp: 73844
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 19.2 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.432 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010561.D
 Acq: 28 May 2019 12:21

Tgt Ion: 75 Resp: 10135
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.2 57.6#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.197 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBL01

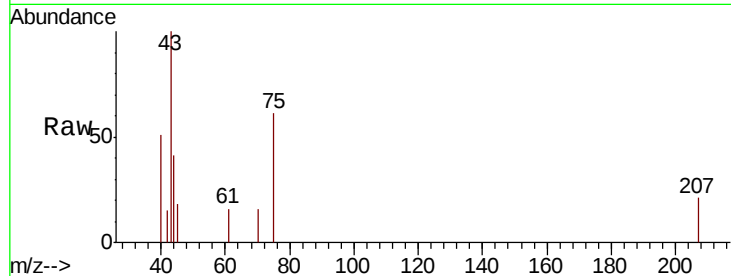
Tot Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

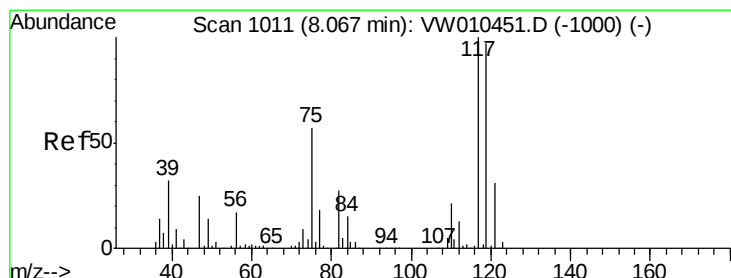
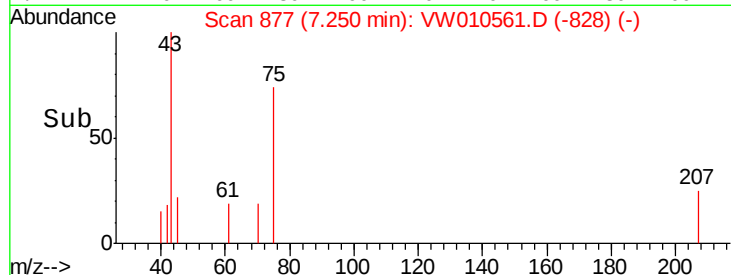
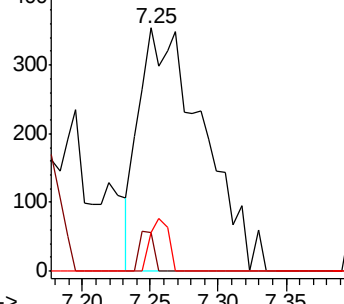
70 6.2 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

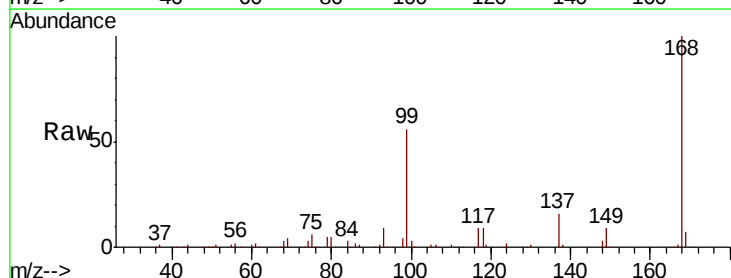
Tgt Ion: 117 Resp: 14563

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

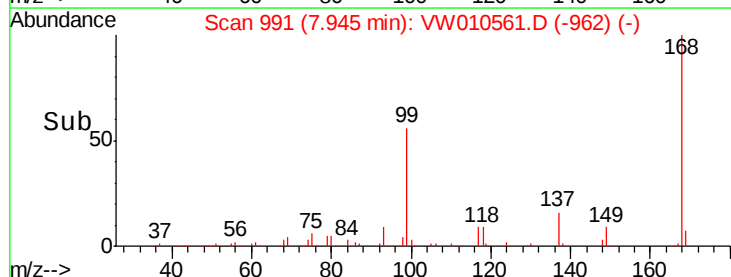
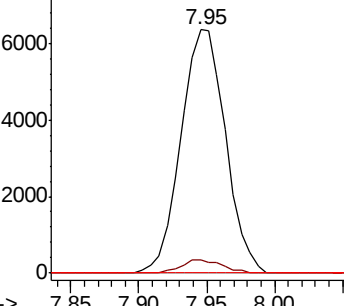
121 0.0 25.0 37.6#

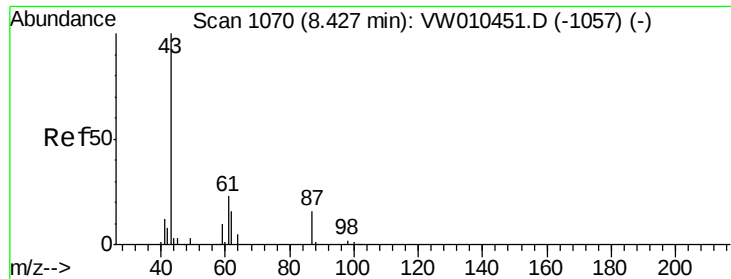


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 2.020 ug/l

RT: 8.26 min Scan# 1042

Delta R.T. -0.17 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBL01

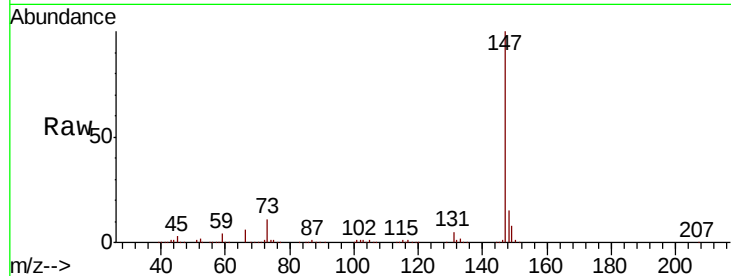
Tot Ion: 43 Resp: 3924

Ion Ratio Lower Upper

43 100

61 18.9 25.4 38.2#

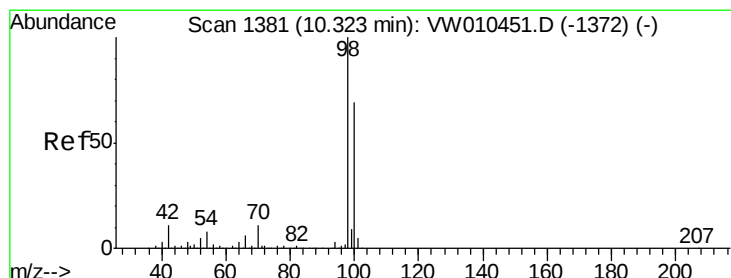
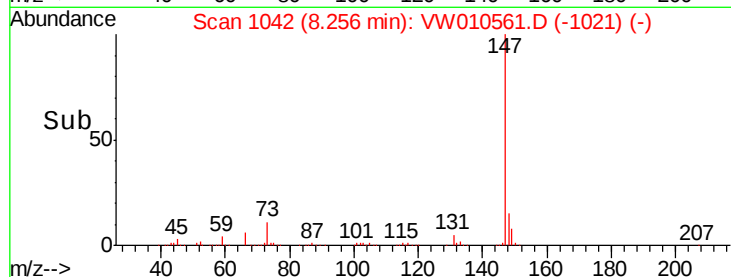
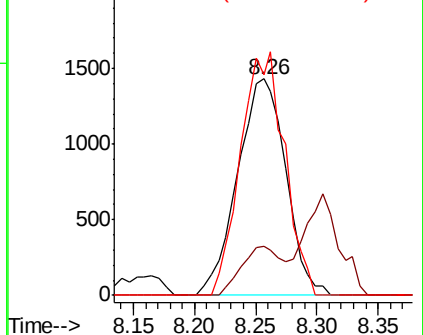
87 102.4 12.7 19.1#



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: 51.487 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010561.D

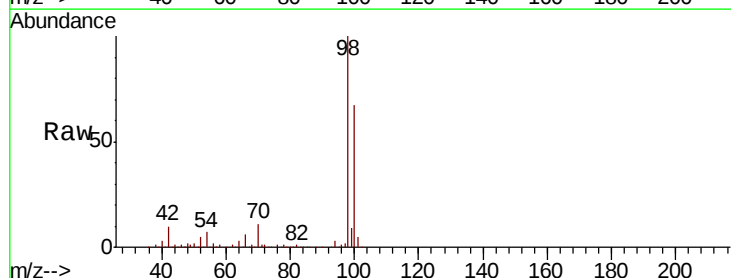
Acq: 28 May 2019 12:21

Tgt Ion: 98 Resp: 292988

Ion Ratio Lower Upper

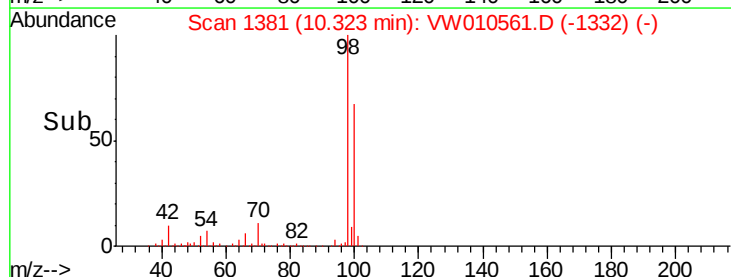
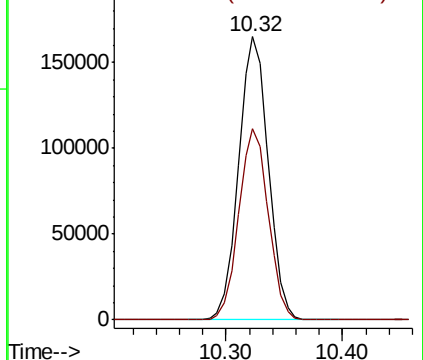
98 100

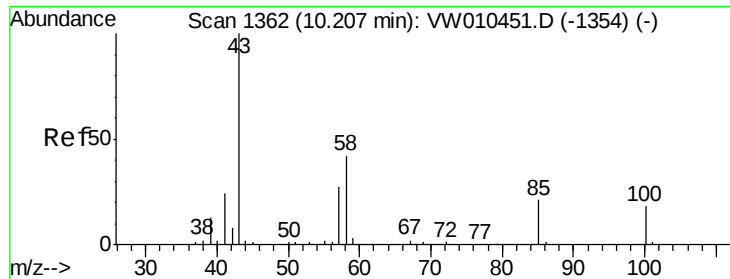
100 67.4 53.7 80.5



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: 1.389 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

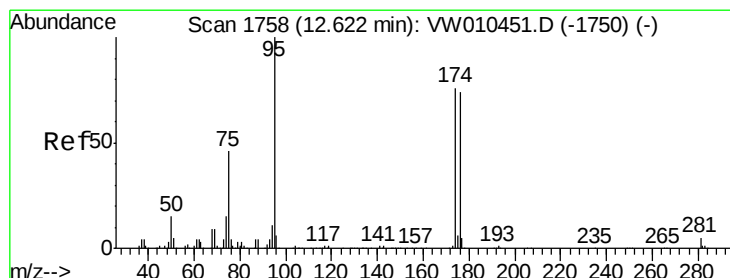
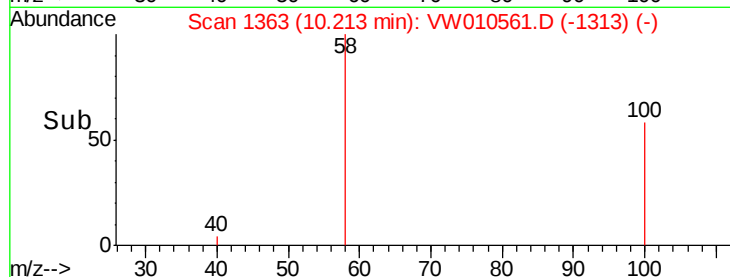
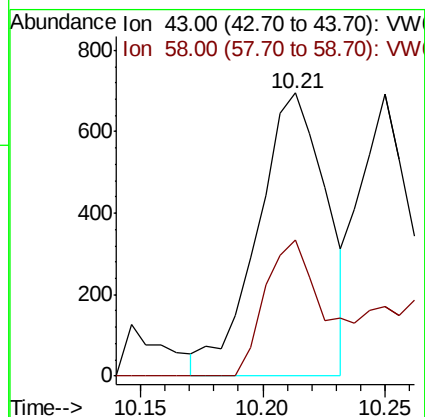
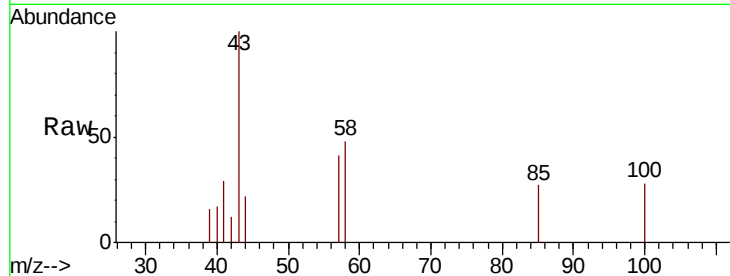
VW0528SBL01

Tot Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

58 42.1 33.2 49.8



#62

4-Bromofluorobenzene

Concen: 46.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

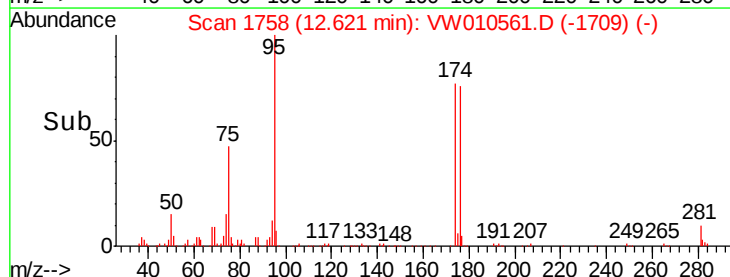
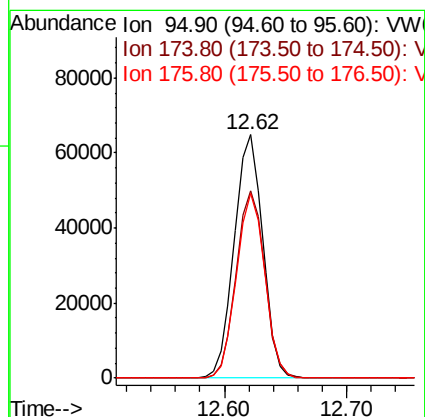
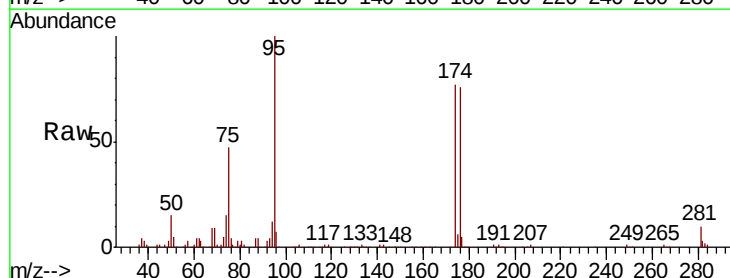
Tgt Ion: 95 Resp: 104583

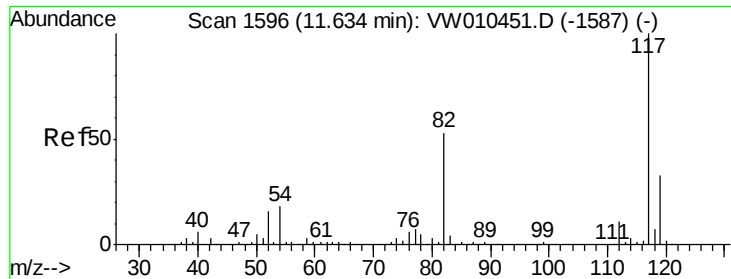
Ion Ratio Lower Upper

95 100

174 77.0 0.0 148.6

176 75.3 0.0 144.2

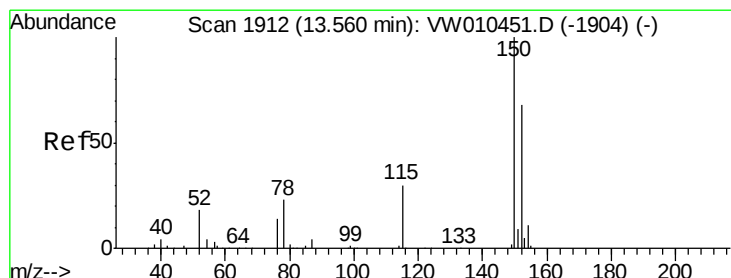
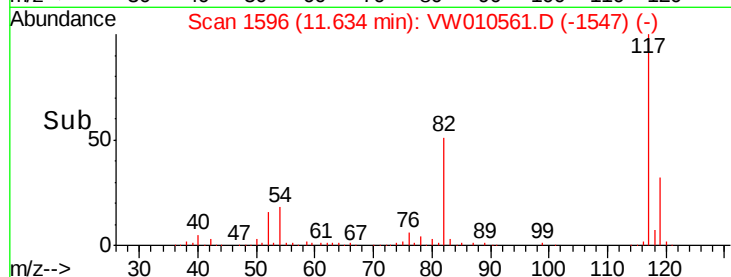
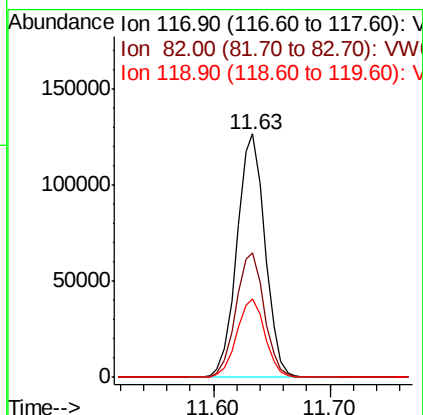
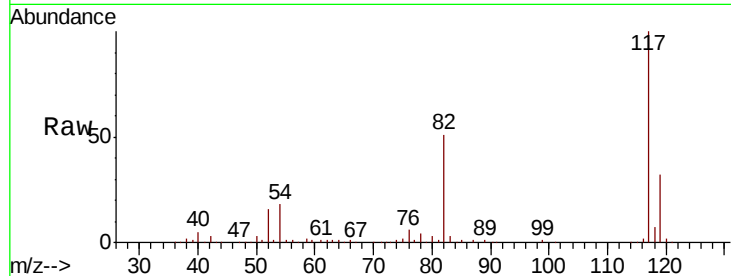




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010561.D
Acq: 28 May 2019 12:21

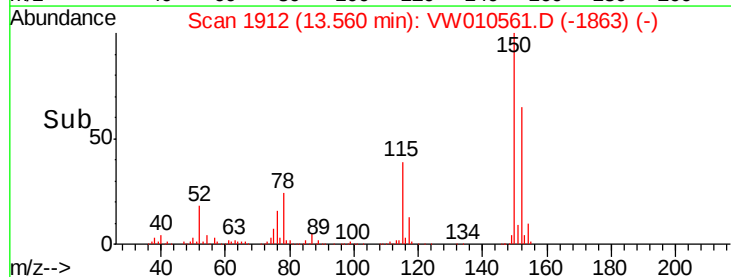
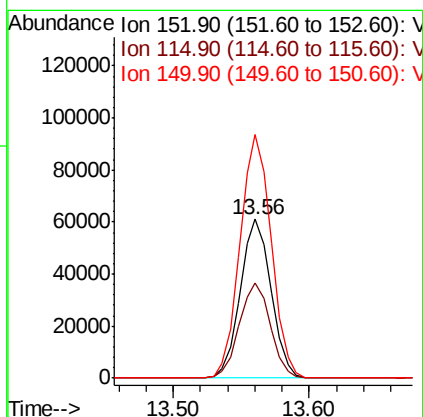
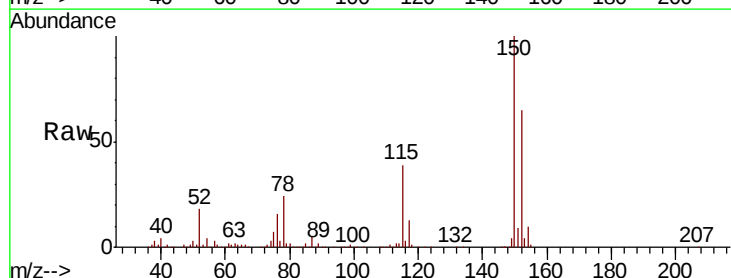
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBL01

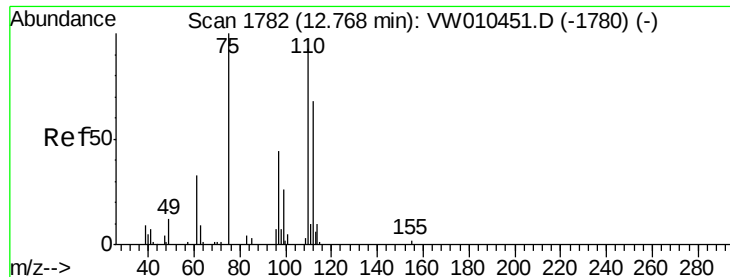
Tot Ion:117 Resp: 212871
Ion Ratio Lower Upper
117 100
82 51.2 42.8 64.2
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010561.D
Acq: 28 May 2019 12:21

Tgt Ion:152 Resp: 96398
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 155.4 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 49.660 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

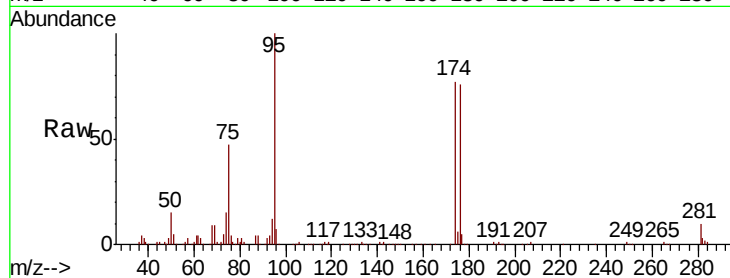
VW0528SBL01

Tot Ion: 75 Resp: 48592

Ion Ratio Lower Upper

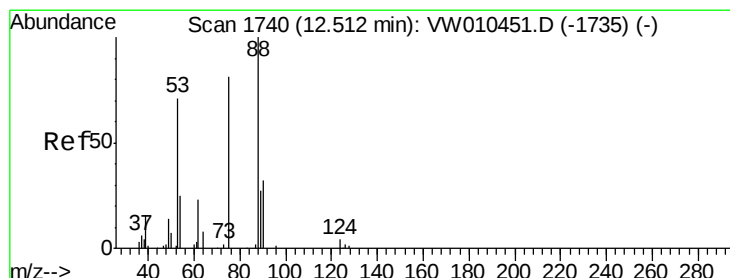
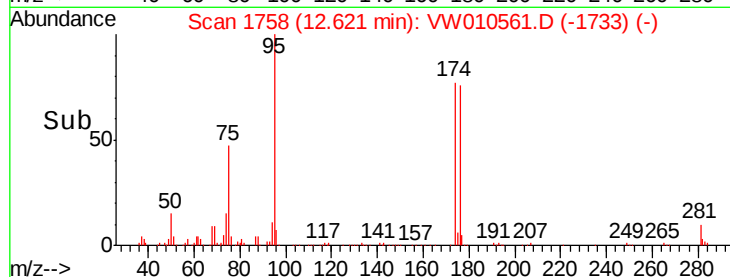
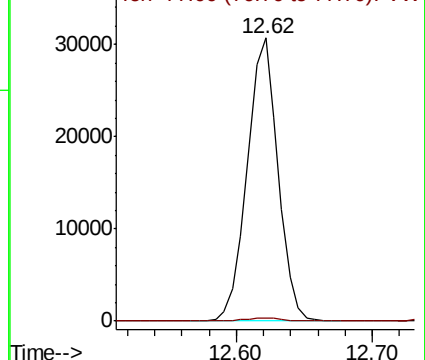
75 100

77 1.2 170.0 510.1#



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: 103.641 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010561.D

Acq: 28 May 2019 12:21

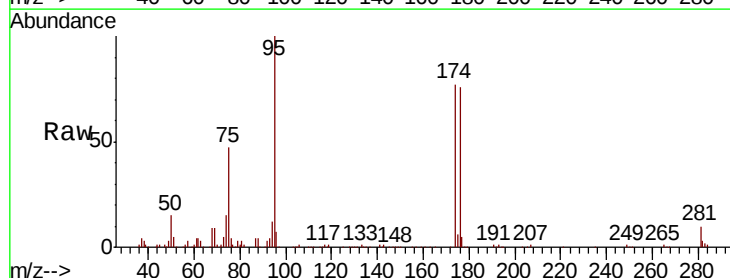
Tgt Ion: 75 Resp: 48592

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

