

Data File : VW010586.D
Acq On : 29 May 2019 13:01
Operator : SY/VA
Sample : K3054-02
Misc : 12.60G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CULVER-CBTC-WC1A-052419

Quant Time: May 30 07:12:17 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	90346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	153253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	133598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59798	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47884	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.88	113	46104	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.32	98	185326	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.62	95	68726	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

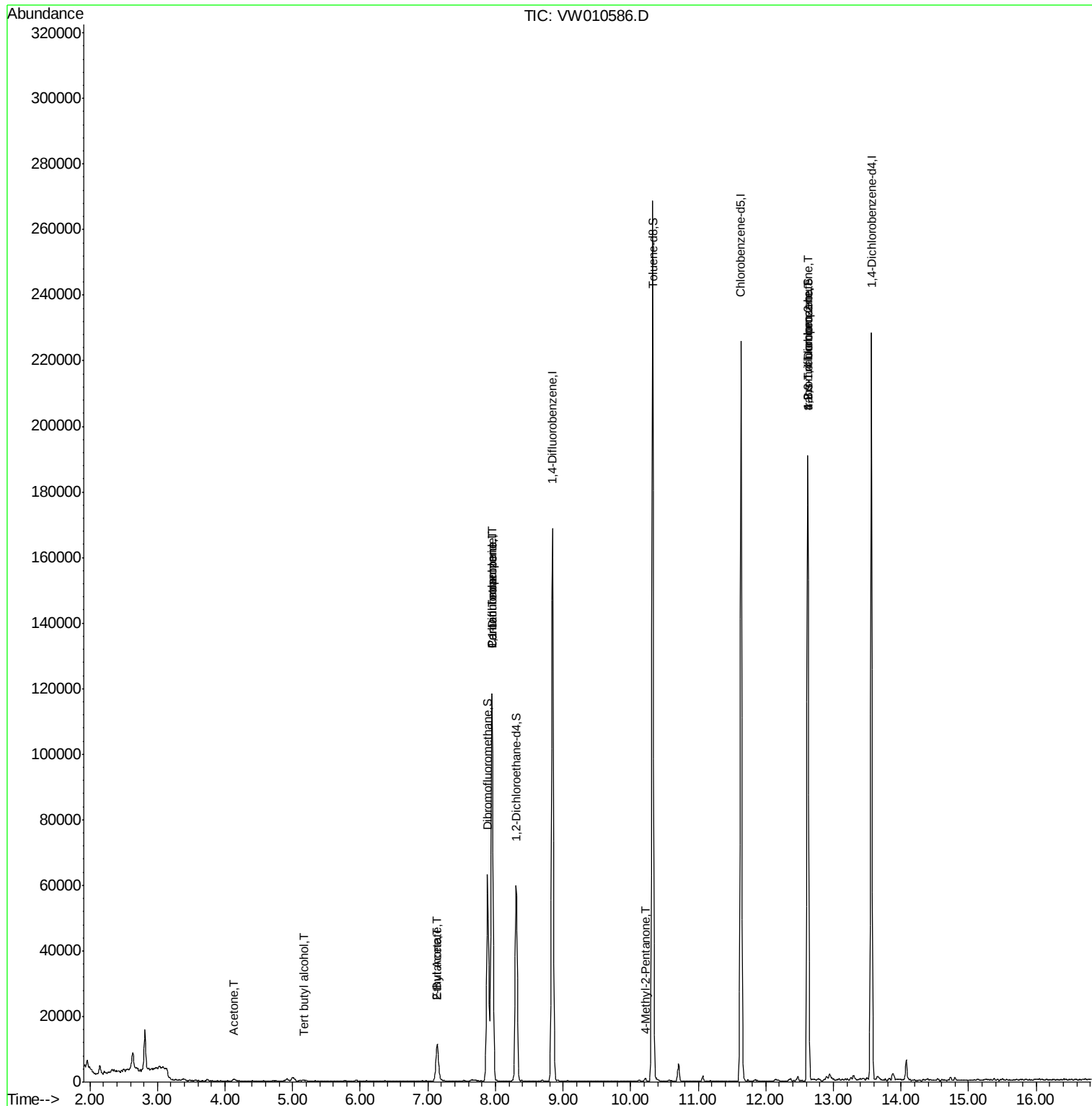
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	238	2.837	ug/l #	71
16) Acetone	4.12	43	1209	6.351	ug/l #	86
20) Methylene Chloride	4.90	84	292	Below Cal	#	67
25) 2-Butanone	7.13	43	790	2.900	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	6625	4.641	ug/l #	47
37) Ethyl Acetate	7.13	43	790	1.301	ug/l #	64
38) Carbon Tetrachloride	7.95	117	9233	5.995	ug/l #	15
51) 4-Methyl-2-Pentanone	10.22	43	817	1.329	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	32050	52.802	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32050	110.199	ug/l #	14

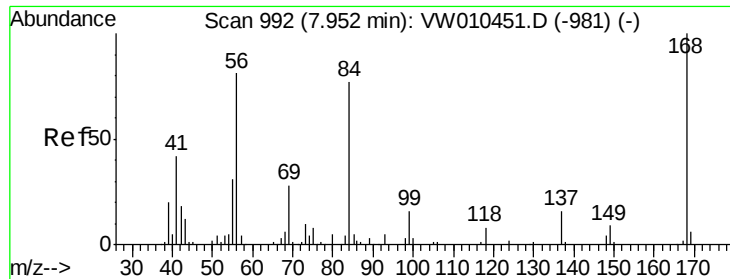
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010586.D

Acq: 29 May 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

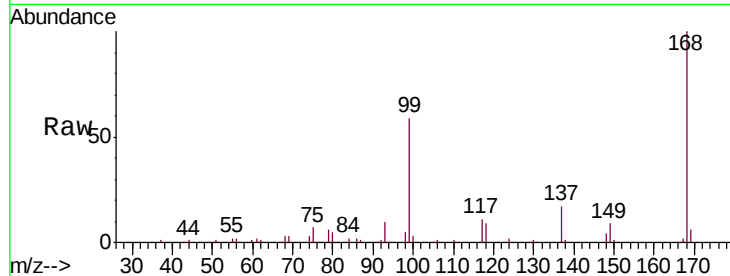
CULVER-CBTC-WC1A-052419

Tgt Ion:168 Resp: 90346

Ion Ratio Lower Upper

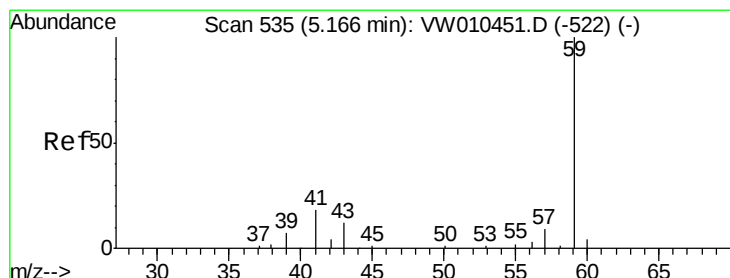
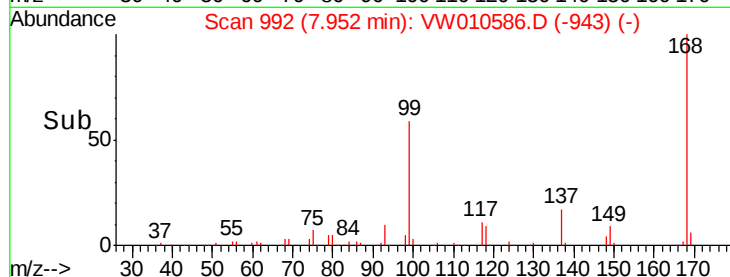
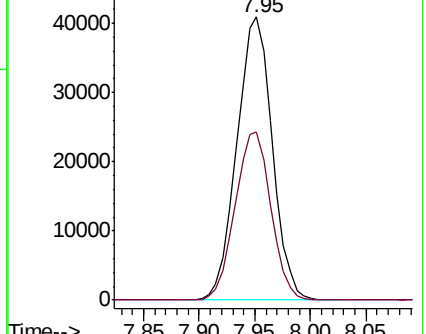
168 100

99 59.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.837 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010586.D

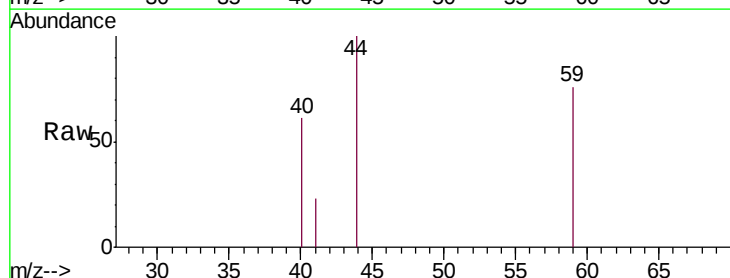
Acq: 29 May 2019 13:01

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

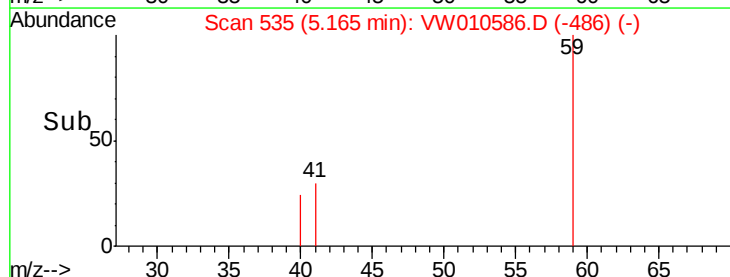
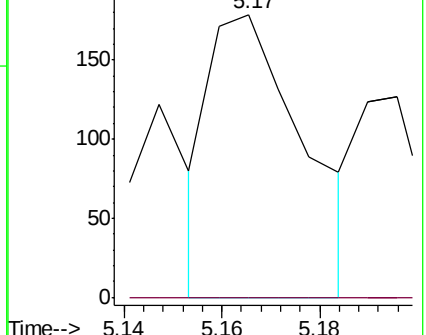
59 100

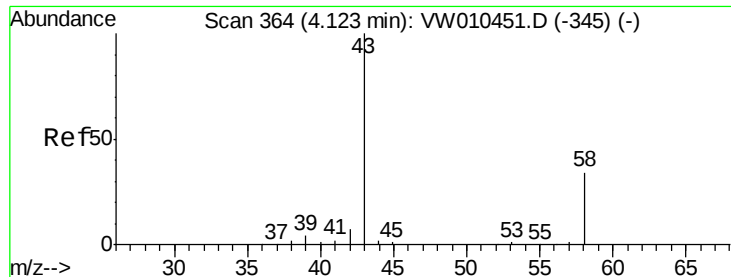
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

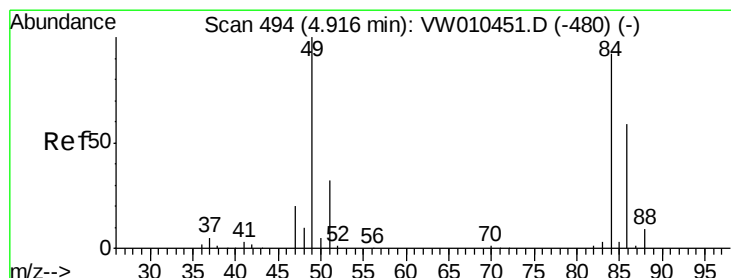
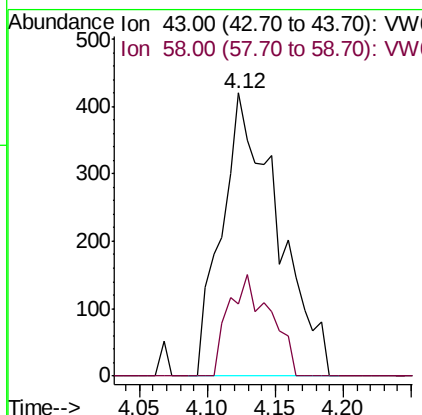
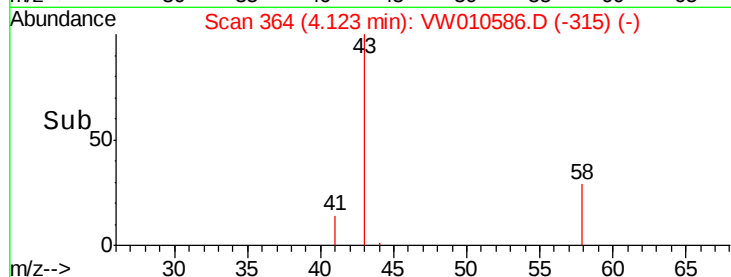
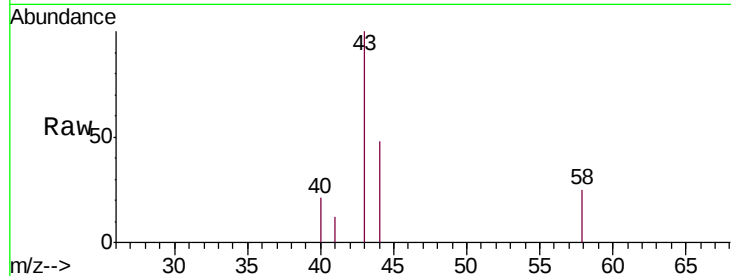




#16
Acetone
Concen: 6.351 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010586.D
Acq: 29 May 2019 13:01

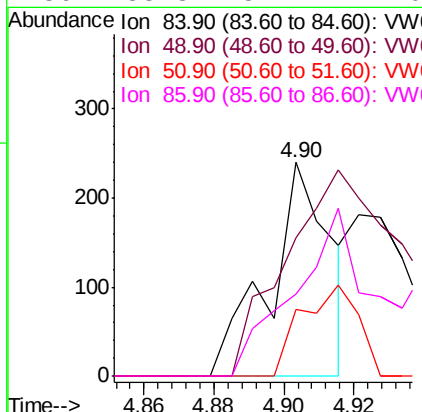
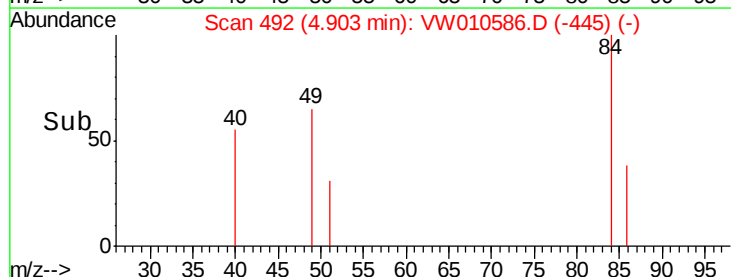
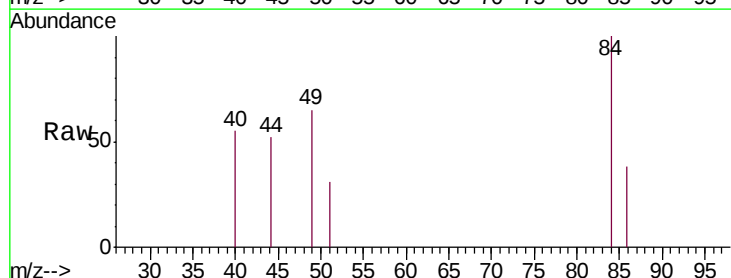
Instrument :
MSVOA_W
ClientSampleId :
CULVER-CBTC-WC1A-052419

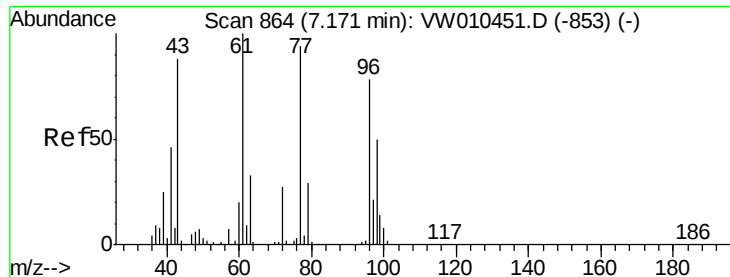
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 25.5 27.0 40.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010586.D
Acq: 29 May 2019 13:01

Tgt Ion: 84 Resp: 292
Ion Ratio Lower Upper
84 100
49 65.0 87.2 130.8#
51 31.2 27.7 41.5
86 38.3 51.4 77.0#





#25

2-Butanone

Concen: 2.900 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010586.D

Acq: 29 May 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

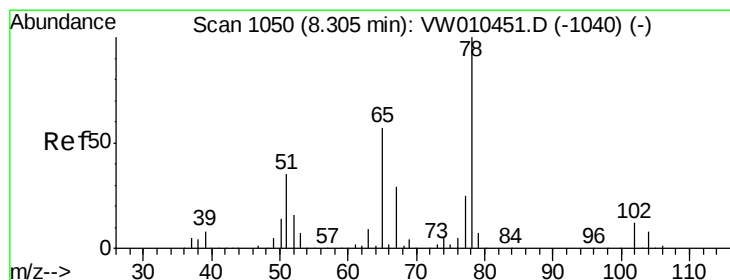
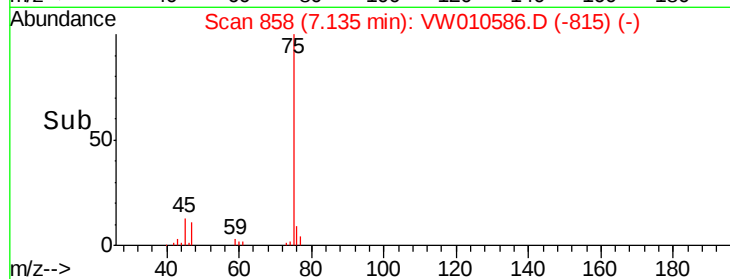
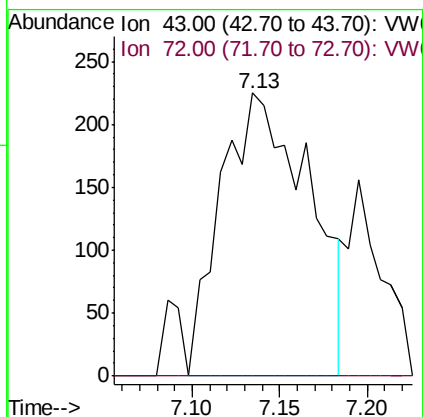
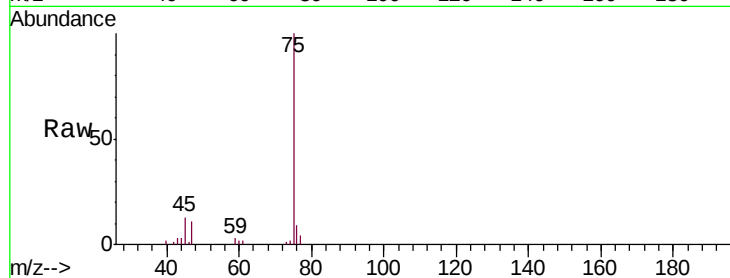
CULVER-CBTC-WC1A-052419

Tgt Ion: 43 Resp: 790

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#33

1,2-Dichloroethane-d4

Concen: 51.349 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010586.D

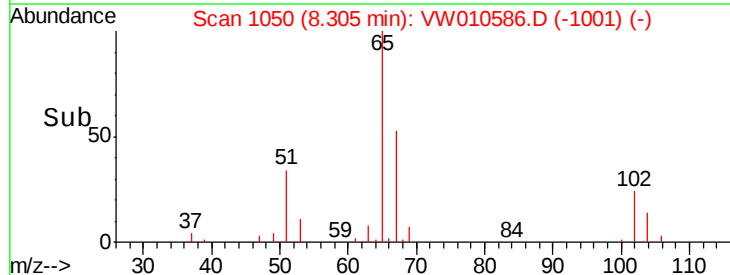
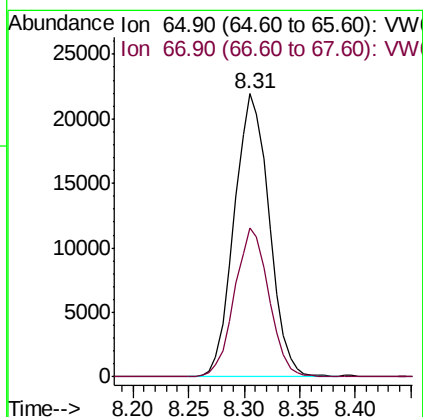
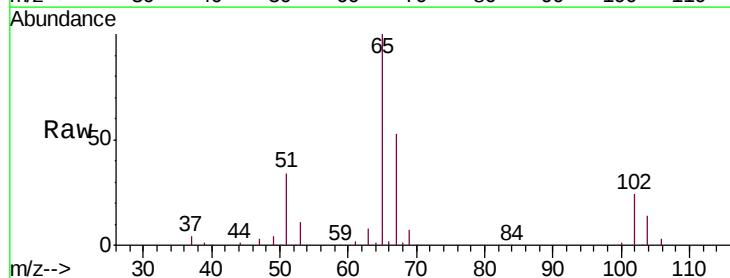
Acq: 29 May 2019 13:01

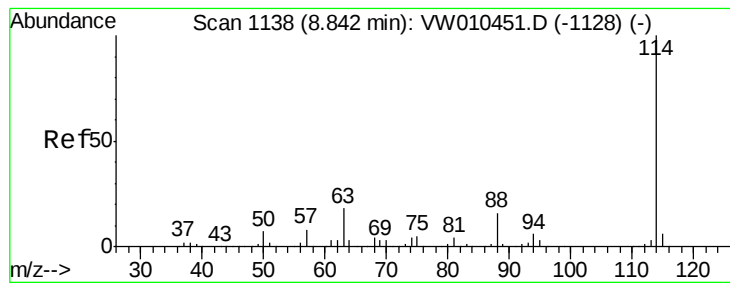
Tgt Ion: 65 Resp: 47884

Ion Ratio Lower Upper

65 100

67 51.5 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: VW010586.D

Acq: 29 May 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

CULVER-CBTC-WC1A-052419

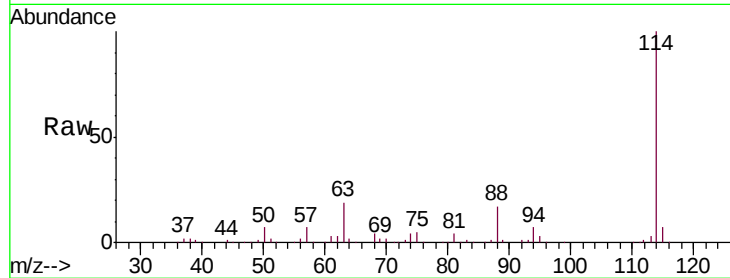
Tgt Ion:114 Resp: 153253

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

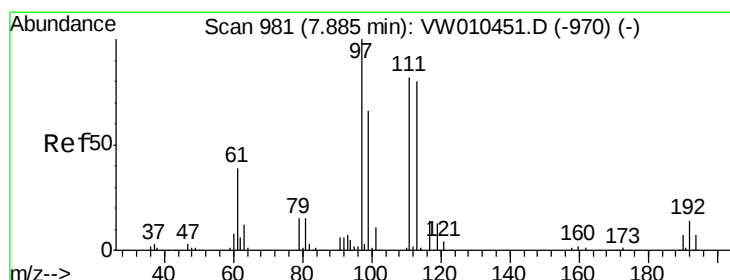
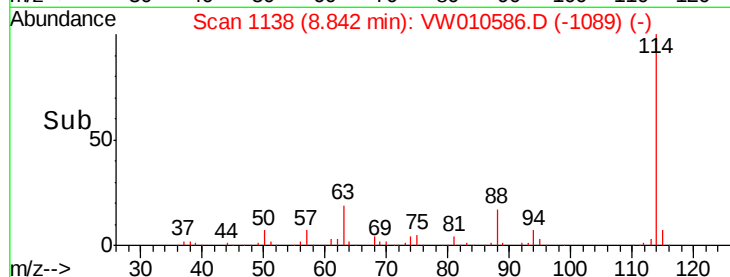
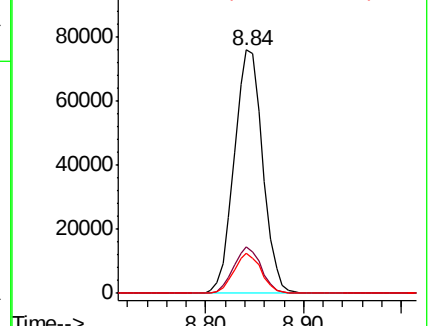
88 16.7 0.0 32.0



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: 49.579 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010586.D

Acq: 29 May 2019 13:01

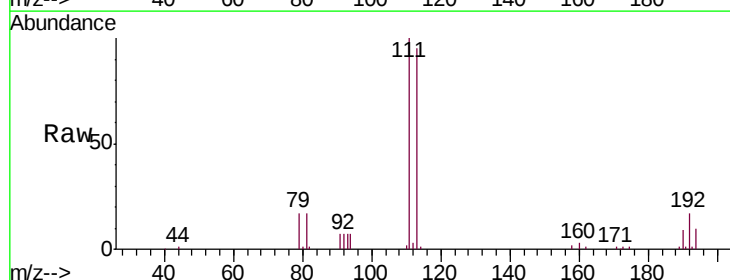
Tgt Ion:113 Resp: 46104

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

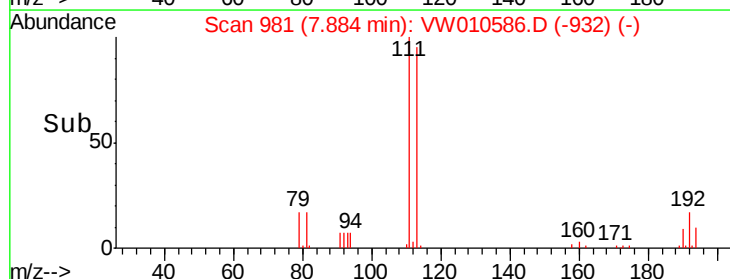
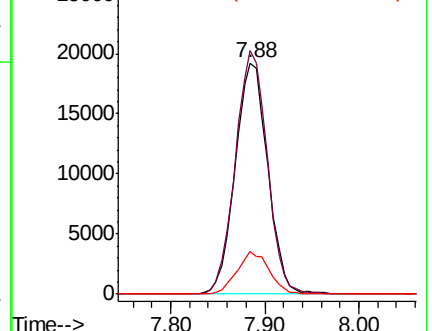
192 18.1 14.3 21.5

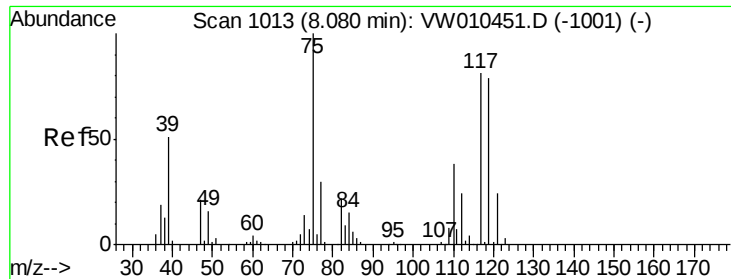


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

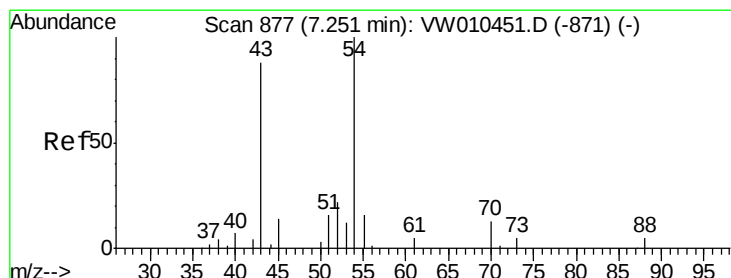
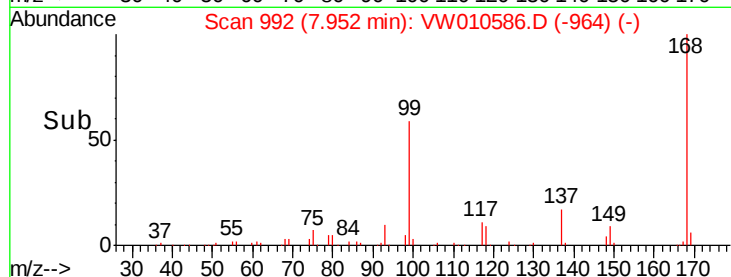
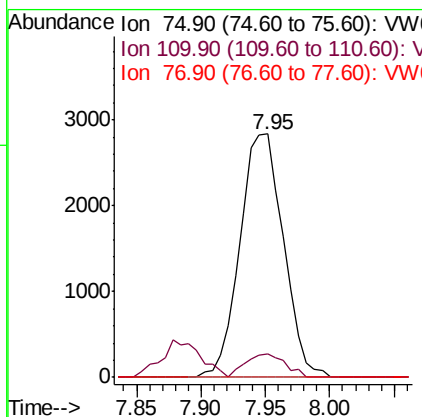
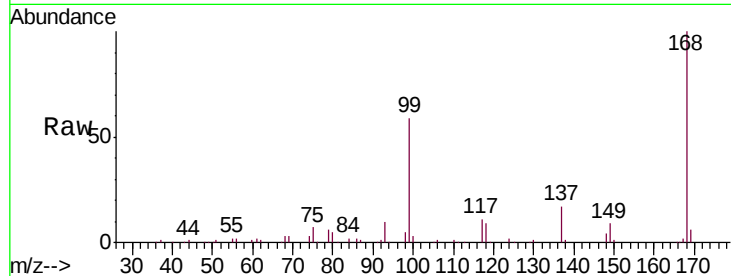




#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

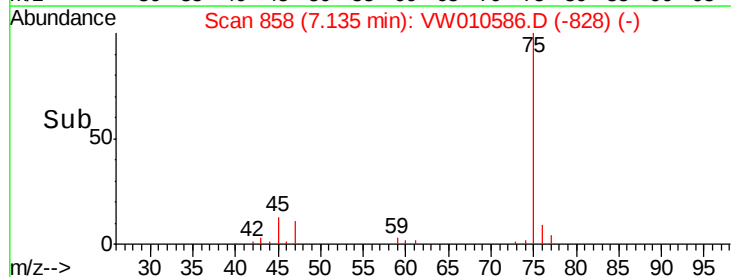
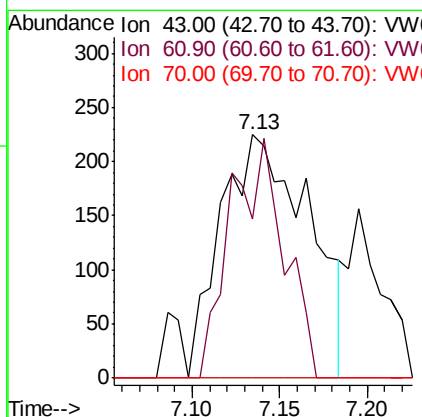
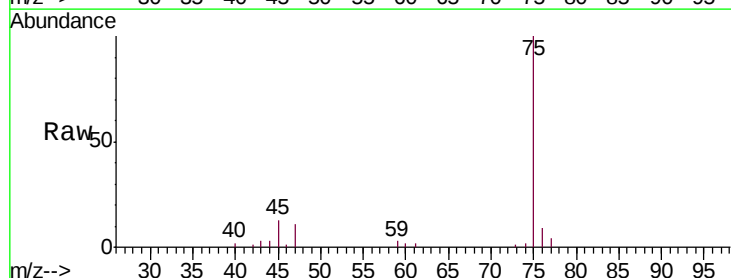
Instrument :
 MSVOA_W
 ClientSampleId :
 CULVER-CBTC-WC1A-052419

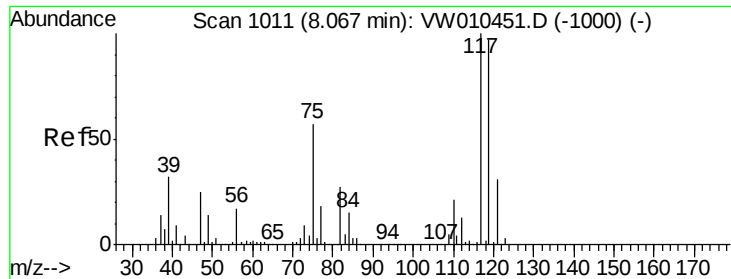
Tgt Ion: 75 Resp: 6625
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.2 57.6#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 1.301 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.12 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

Tgt Ion: 43 Resp: 790
 Ion Ratio Lower Upper
 43 100
 61 30.3 11.2 16.8#
 70 0.0 9.9 14.9#





#38

Carbon Tetrachloride

Concen: 5.995 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010586.D

Acq: 29 May 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

CULVER-CBTC-WC1A-052419

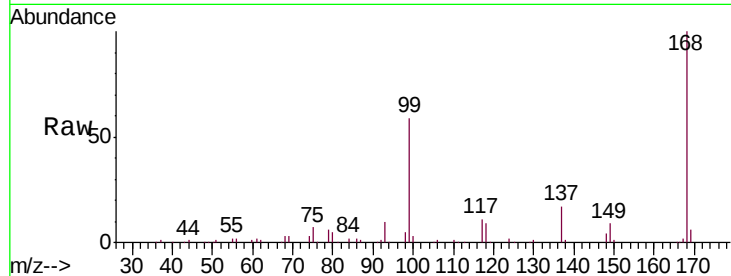
Tgt Ion:117 Resp: 9233

Ion Ratio Lower Upper

117 100

119 3.7 77.4 116.0#

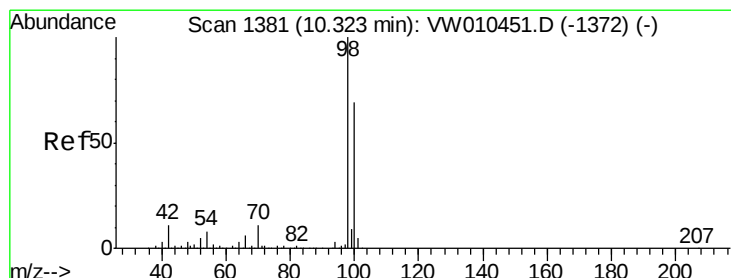
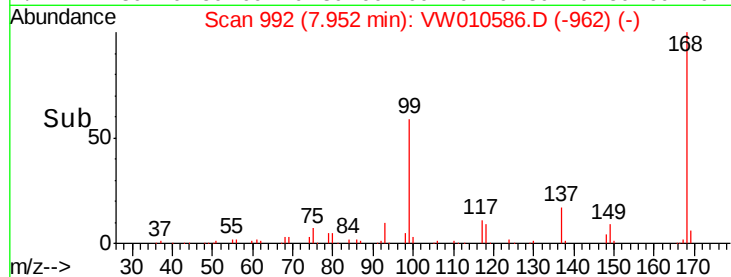
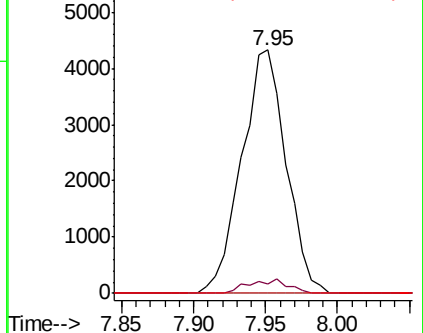
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 52.168 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010586.D

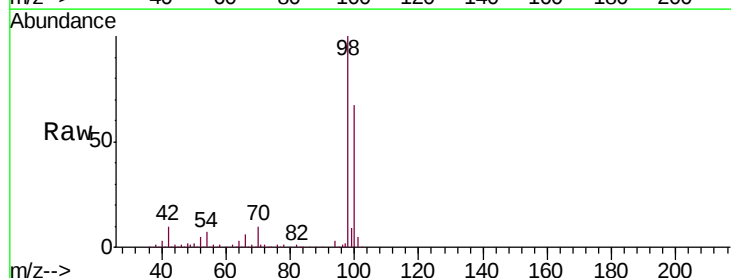
Acq: 29 May 2019 13:01

Tgt Ion: 98 Resp: 185326

Ion Ratio Lower Upper

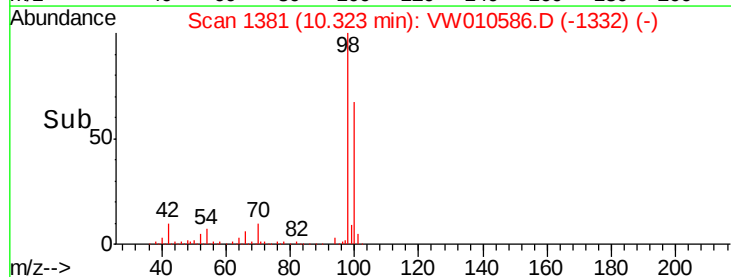
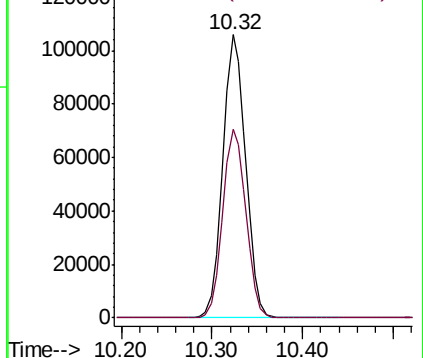
98 100

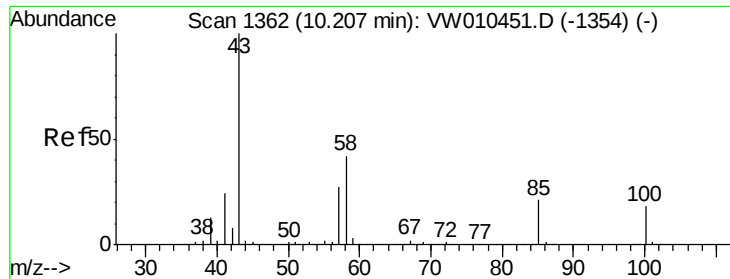
100 67.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

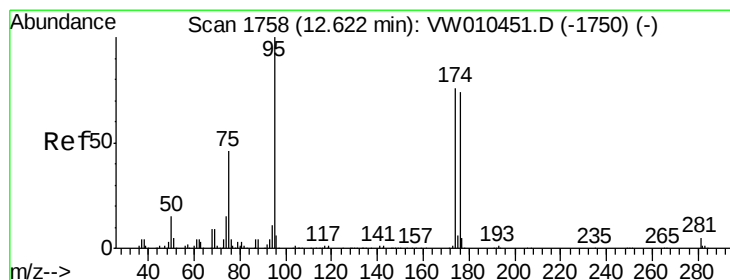
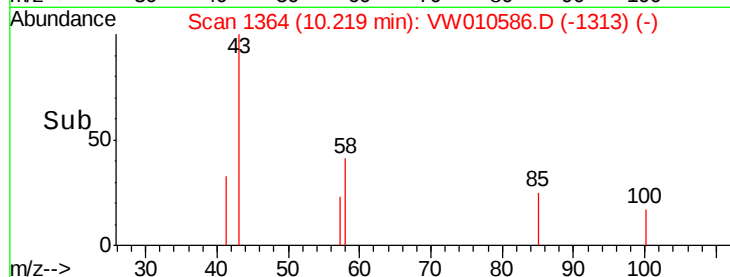
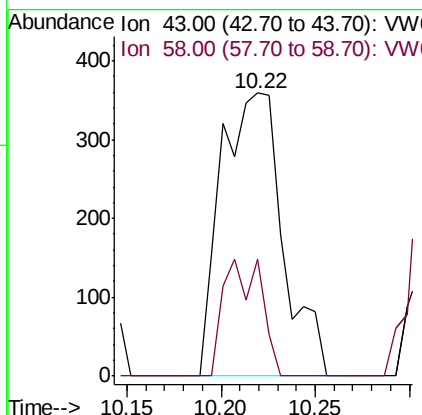
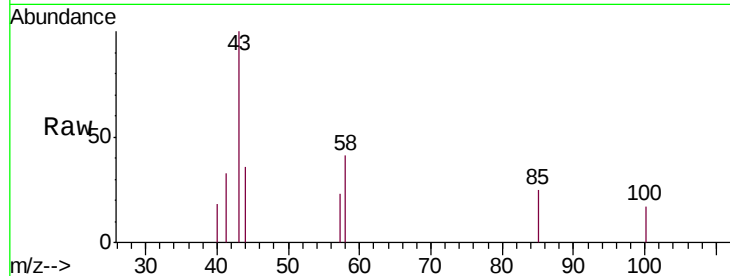




#51
 4-Methyl-2-Pentanone
 Concen: 1.329 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

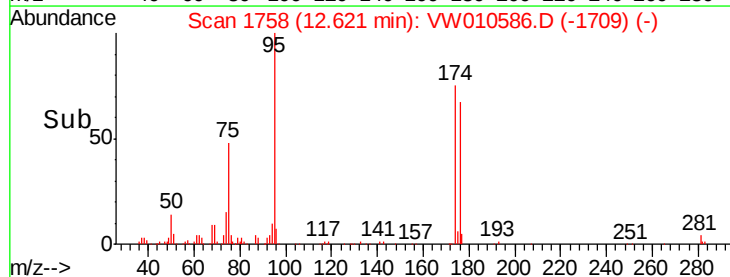
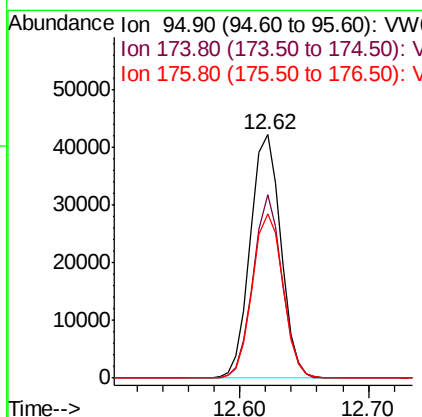
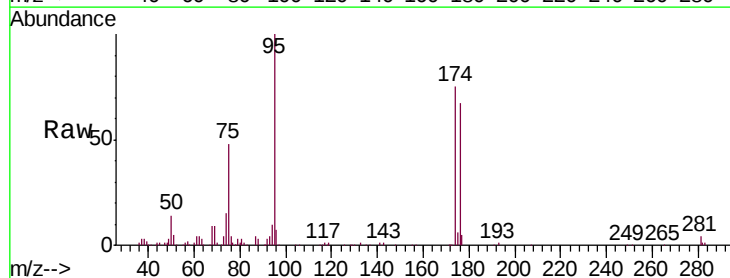
Instrument :
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 CULVER-CBTC-WC1A-052419

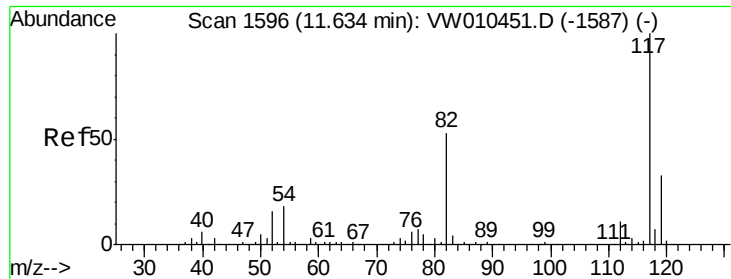
Tgt Ion: 43 Resp: 817
 Ion Ratio Lower Upper
 43 100
 58 25.0 33.2 49.8#



#62
 4-Bromofluorobenzene
 Concen: 48.570 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

Tgt Ion: 95 Resp: 68726
 Ion Ratio Lower Upper
 95 100
 174 71.4 0.0 148.6
 176 67.6 0.0 144.2

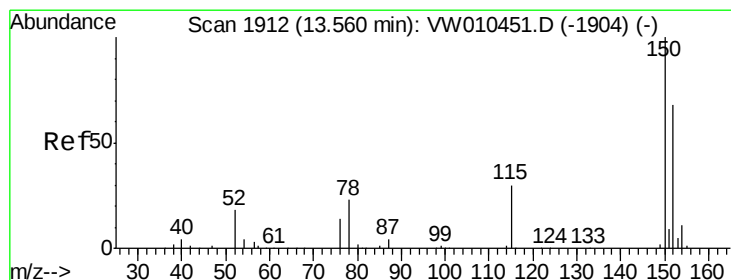
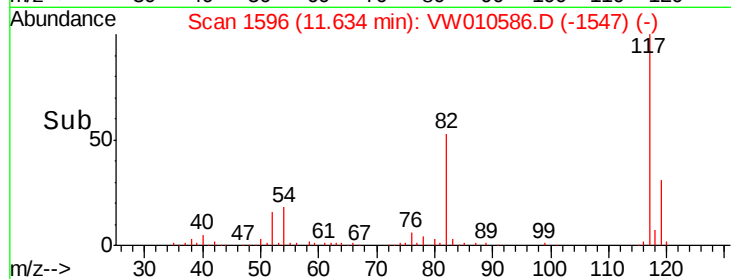
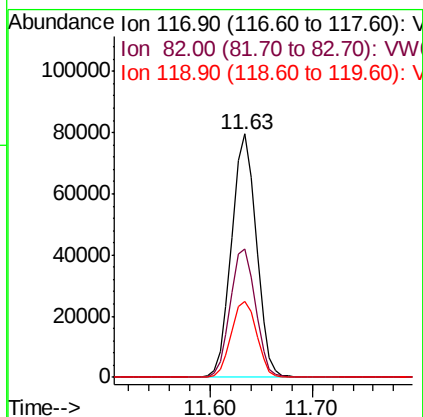
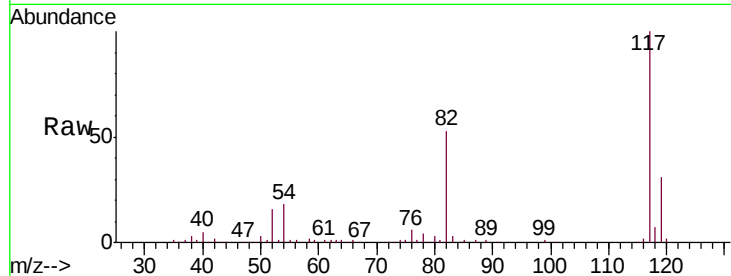




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

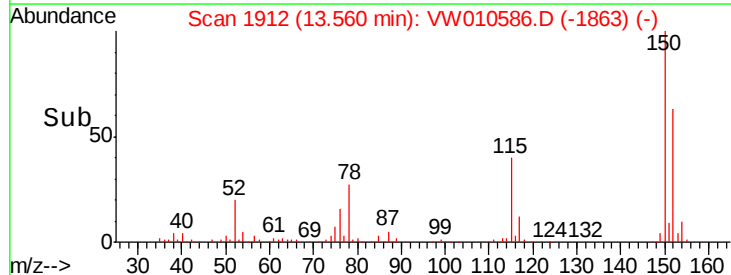
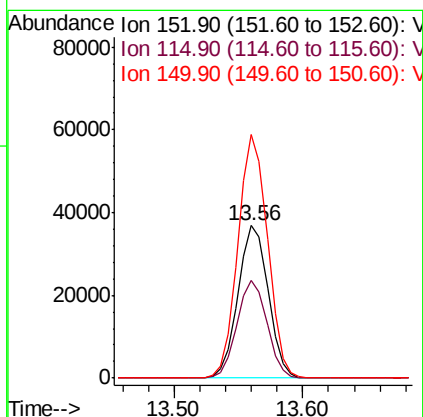
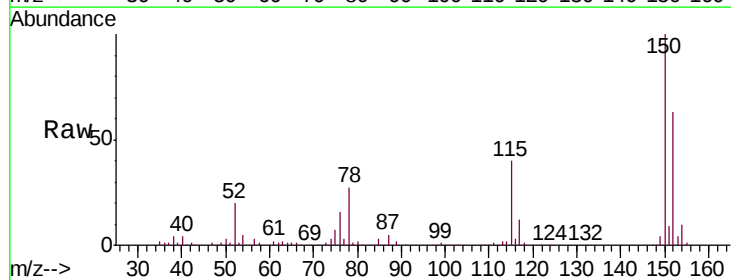
Instrument :
 MSVOA_W
 ClientSampleId :
 CULVER-CBTC-WC1A-052419

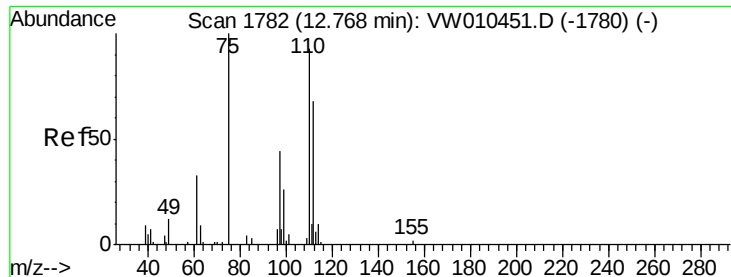
Tgt Ion:117 Resp: 133598
 Ion Ratio Lower Upper
 117 100
 82 52.7 42.8 64.2
 119 31.2 26.3 39.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010586.D
 Acq: 29 May 2019 13:01

Tgt Ion:152 Resp: 59798
 Ion Ratio Lower Upper
 152 100
 115 63.5 30.3 91.0
 150 156.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 52.802 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010586.D

Acq: 29 May 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

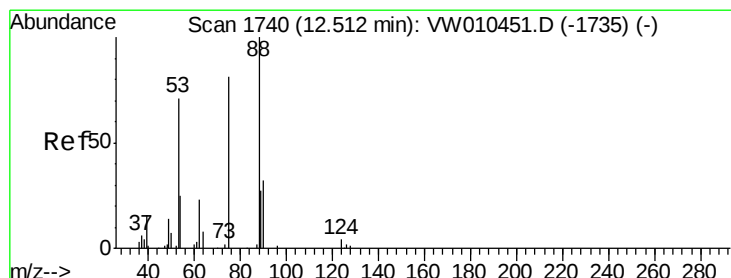
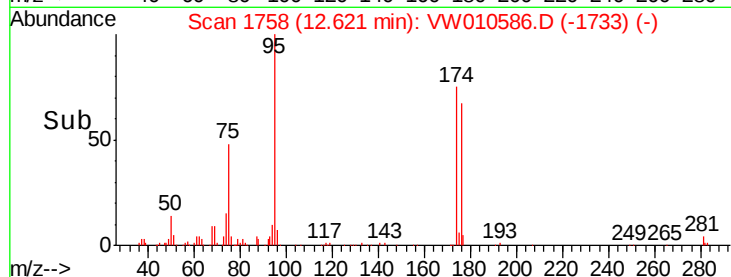
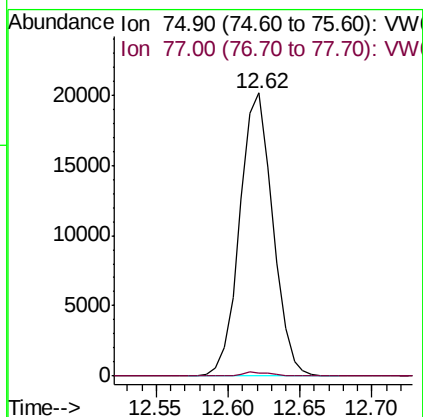
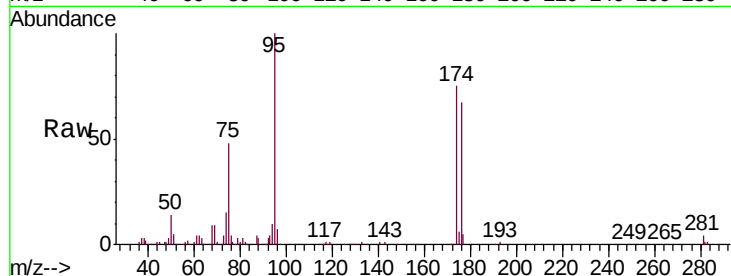
CULVER-CBTC-WC1A-052419

Tgt Ion: 75 Resp: 32050

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.199 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010586.D

Acq: 29 May 2019 13:01

Tgt Ion: 75 Resp: 32050

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

