

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015415.D
 Acq On : 07 May 2020 12:49
 Operator : SY/VA
 Sample : VW0507SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 08 07:01:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	121507	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
35) Dibromofluoromethane	7.88	113	105086	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.32	98	439537	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.62	95	156691	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	

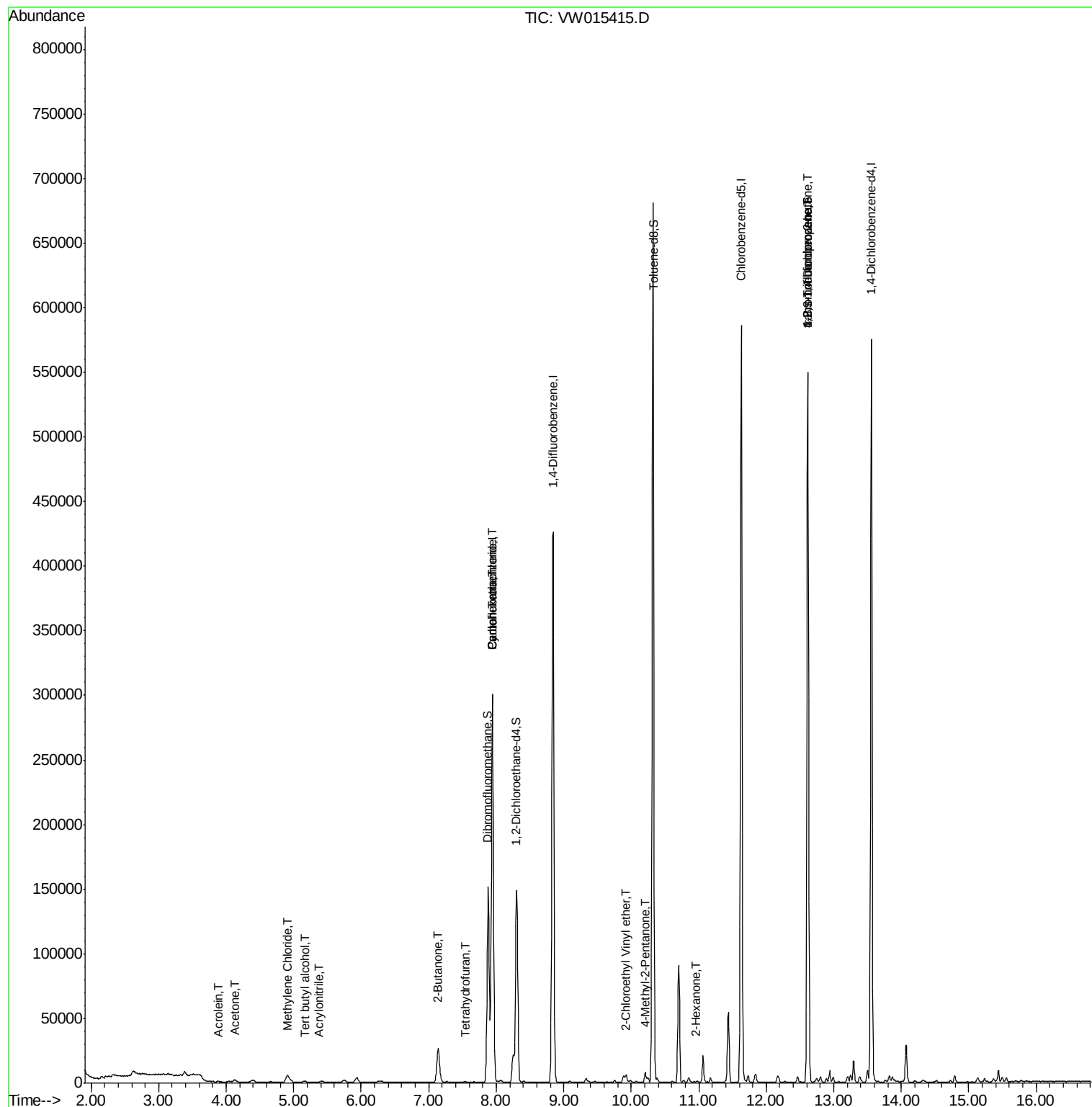
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1460	10.544	ug/l #	76
13) Acrolein	3.89	56	224	1.267	ug/l #	72
15) Acrylonitrile	5.37	53	534	1.195	ug/l #	81
16) Acetone	4.12	43	3675	9.851	ug/l	94
20) Methylene Chloride	4.91	84	4325	1.777	ug/l #	83
25) 2-Butanone	7.13	43	2616	4.499	ug/l #	64
29) Tetrahydrofuran	7.54	42	589	1.539	ug/l #	78
31) Cyclohexane	7.95	56	6302	1.432	ug/l #	20
38) Carbon Tetrachloride	7.95	117	22004	6.806	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	6408	4.845	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.92	63	2532	2.312	ug/l	97
59) 2-Hexanone	10.97	43	1125	1.257	ug/l	78
76) 1,2,3-Trichloropropane	12.62	75	85404	71.774	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85404	141.970	ug/l #	9

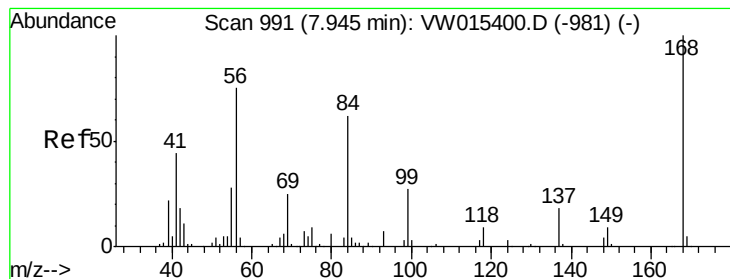
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015415.D

Acq: 07 May 2020 12:49

Instrument :

MSVOA_W

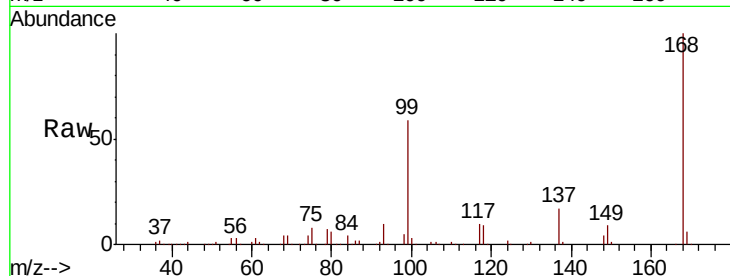
ClientSampled :

Tot Ion:168 Resp: 218448

Ion Ratio Lower Upper

168 100

99 59.4 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

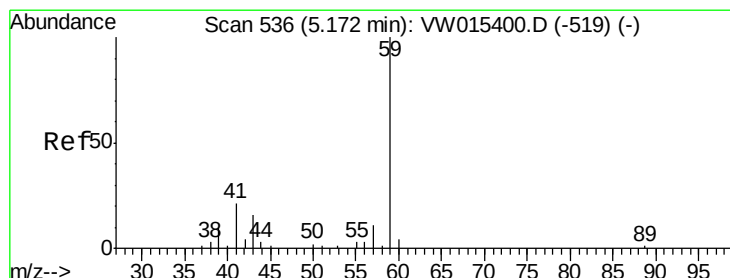
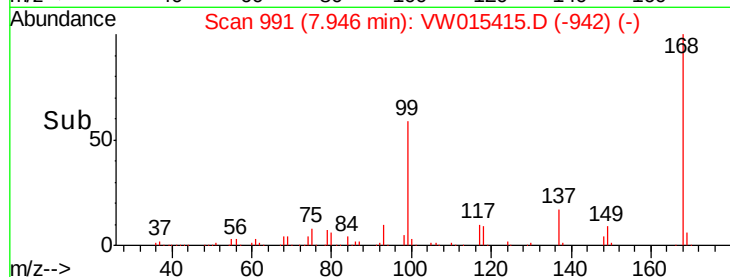
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 10.544 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015415.D

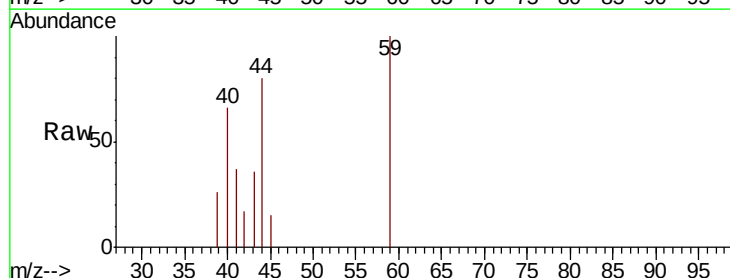
Acq: 07 May 2020 12:49

Tgt Ion: 59 Resp: 1460

Ion Ratio Lower Upper

59 100

57 1.8 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

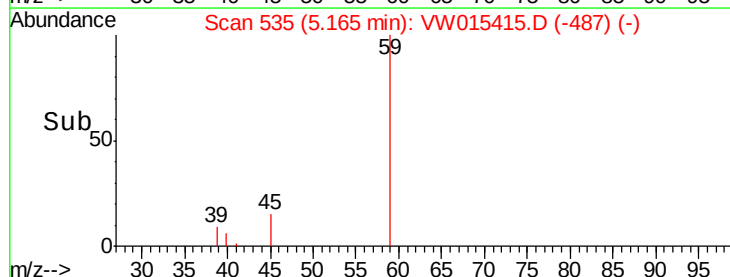
300

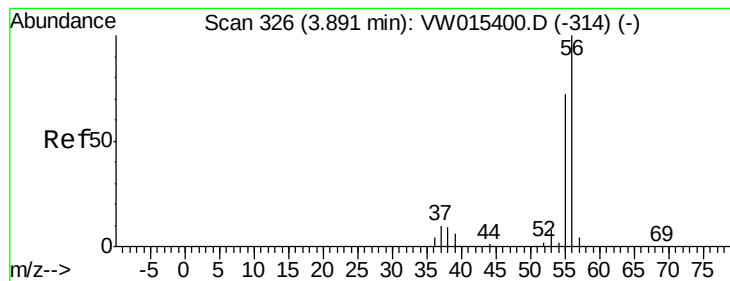
200

100

0

Time--> 5.10 5.20





#13

Acrolein

Concen: 1.267 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015415.D

Acq: 07 May 2020 12:49

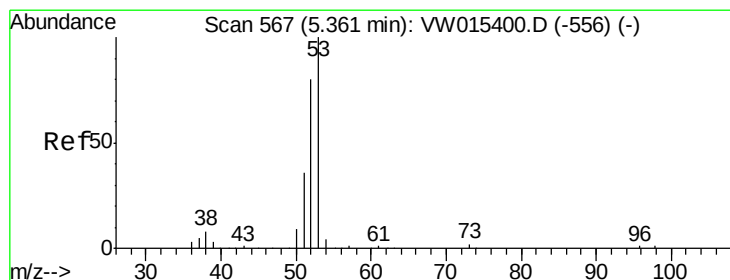
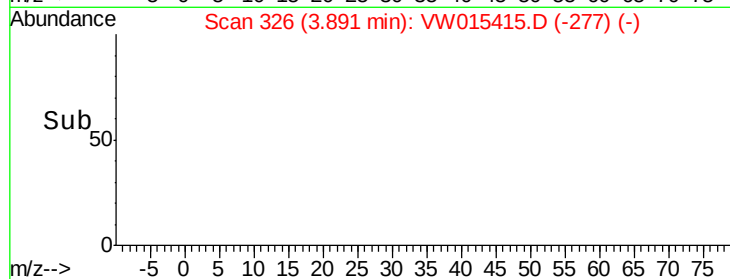
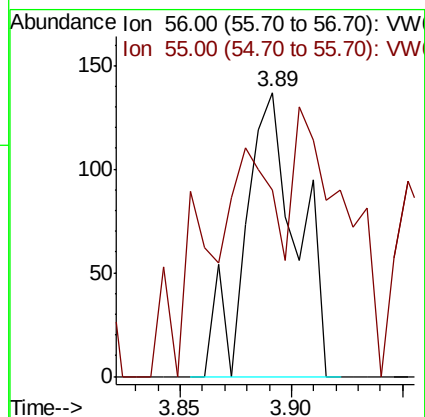
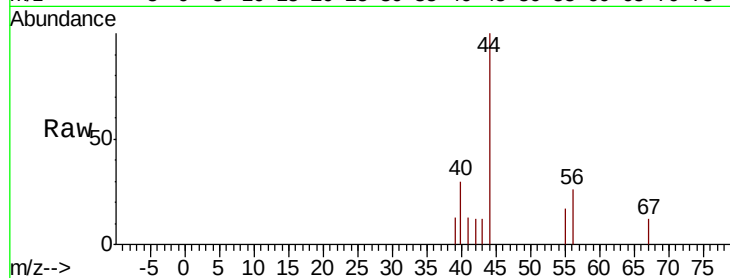
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 93.3 56.4 84.6#



#15

Acrylonitrile

Concen: 1.195 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW015415.D

Acq: 07 May 2020 12:49

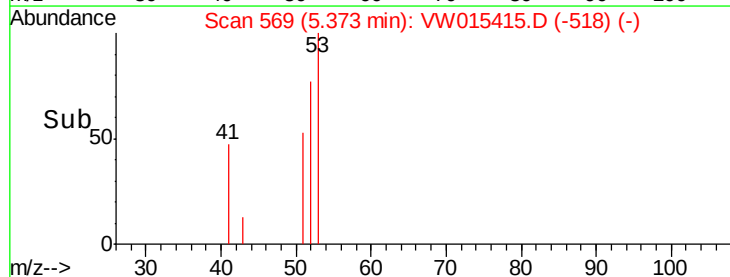
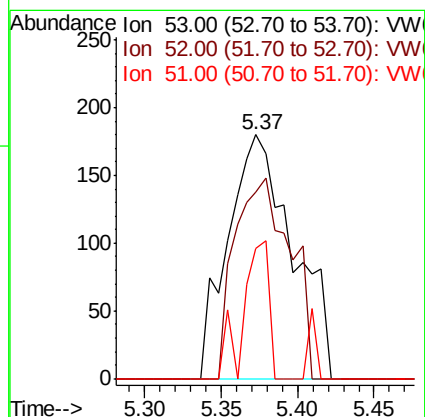
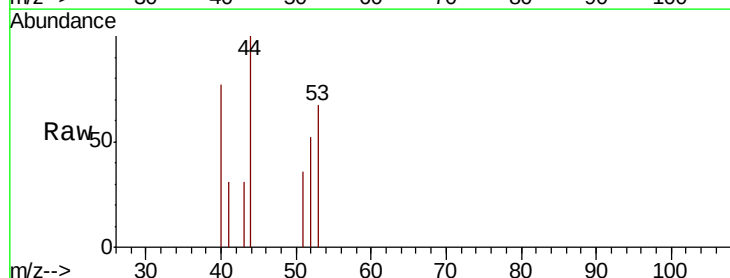
Tgt Ion: 53 Resp: 534

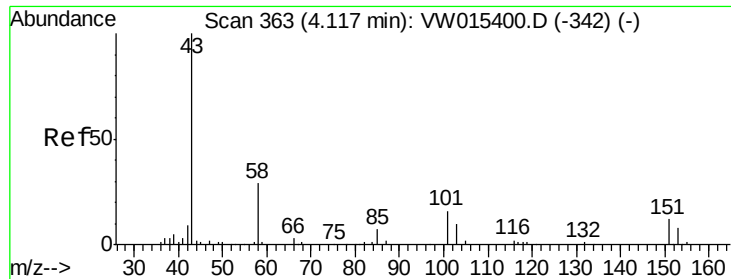
Ion Ratio Lower Upper

53 100

52 69.7 66.6 99.8

51 21.9 30.2 45.2#

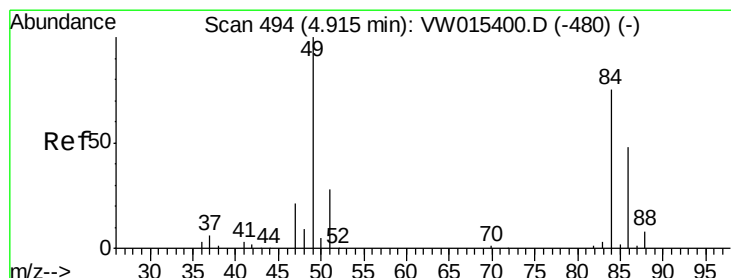
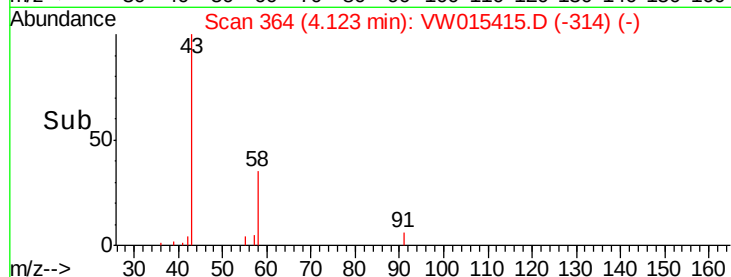
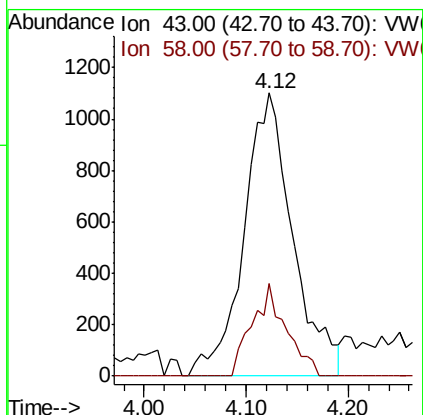
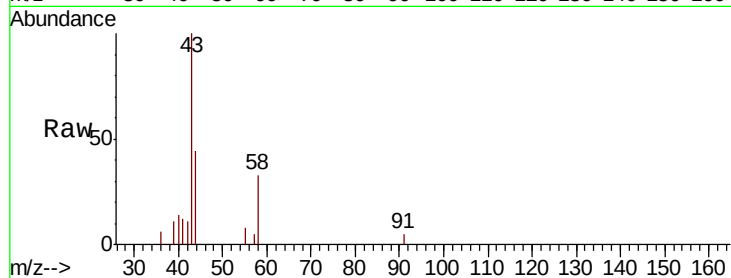




#16
Acetone
Concen: 9.851 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

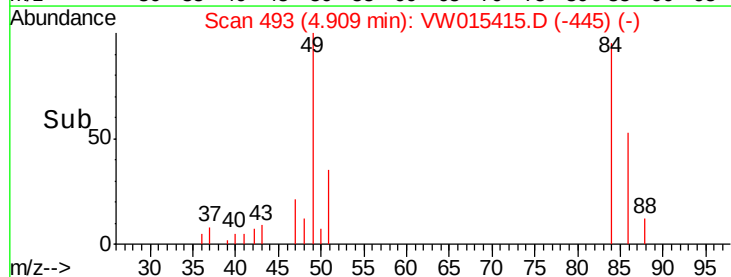
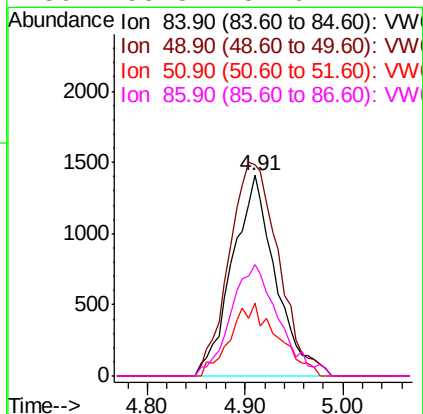
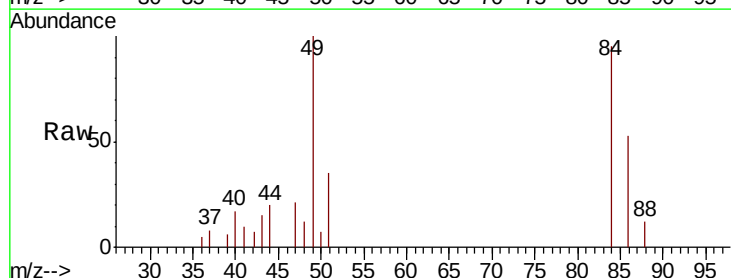
Instrument :
MSVOA_W
ClientSampled :

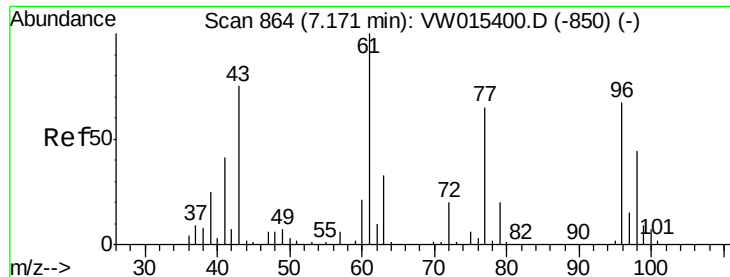
Tot Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
58 32.5 23.4 35.0



#20
Methylene Chloride
Concen: 1.777 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion: 84 Resp: 4325
Ion Ratio Lower Upper
84 100
49 105.1 106.4 159.6#
51 36.6 30.2 45.2
86 55.8 51.6 77.4

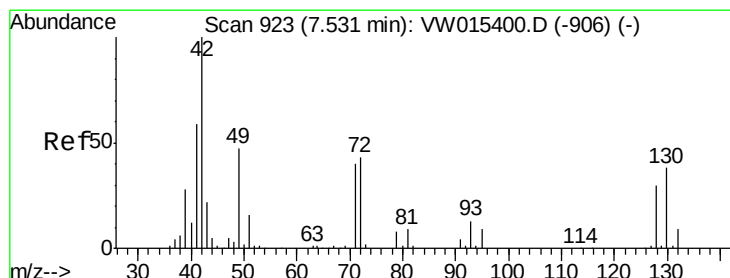
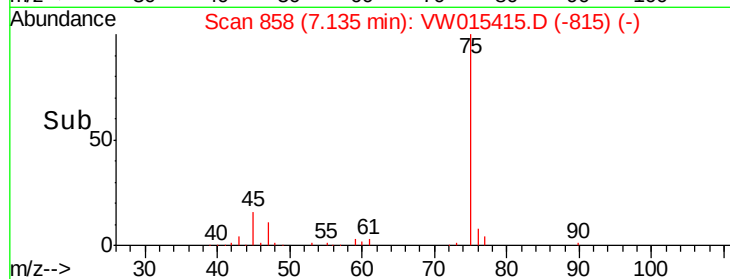
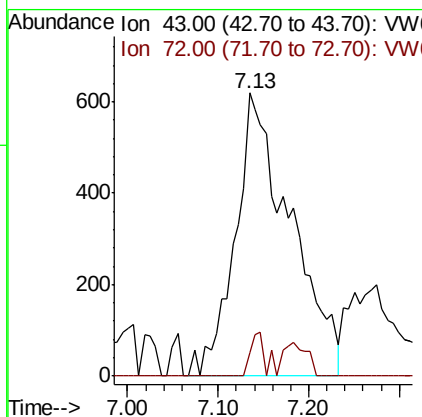
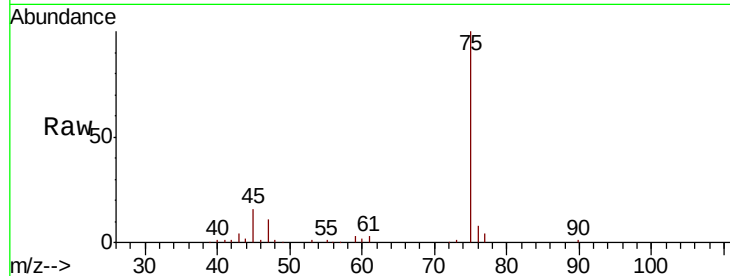




#25
 2-Butanone
 Concen: 4.499 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.04 min
 Lab File: VW015415.D
 Acq: 07 May 2020 12:49

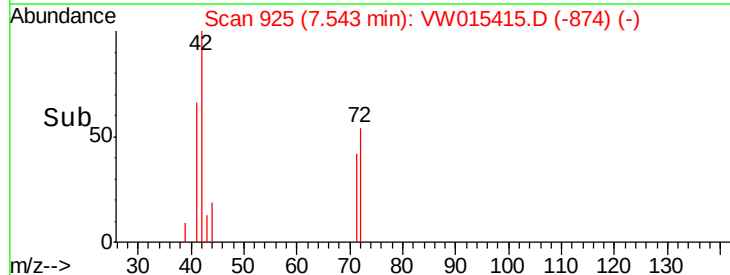
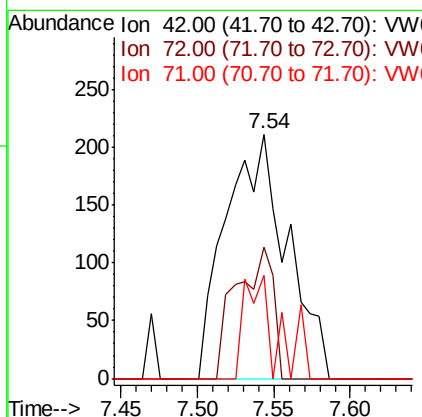
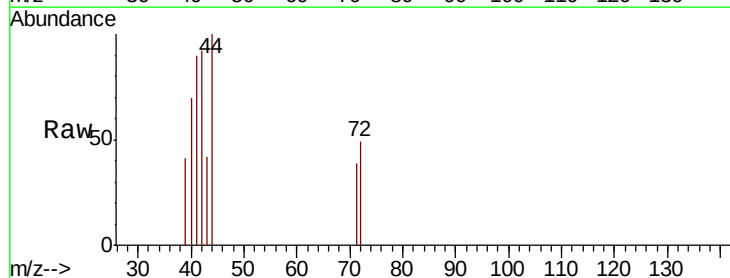
Instrument :
 MSVOA_W
 ClientSampled :

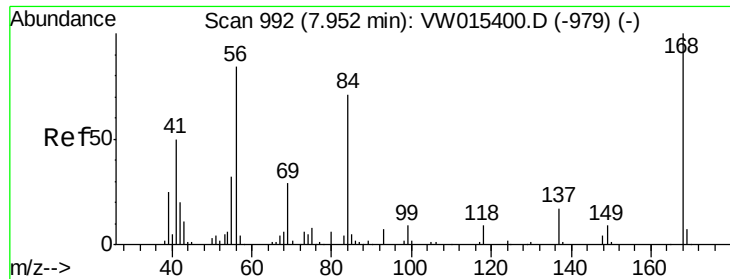
Tot Ion: 43 Resp: 2616
 Ion Ratio Lower Upper
 43 100
 72 8.2 21.4 32.0#



#29
 Tetrahydrofuran
 Concen: 1.539 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW015415.D
 Acq: 07 May 2020 12:49

Tgt Ion: 42 Resp: 589
 Ion Ratio Lower Upper
 42 100
 72 32.1 33.6 50.4#
 71 22.4 32.1 48.1#

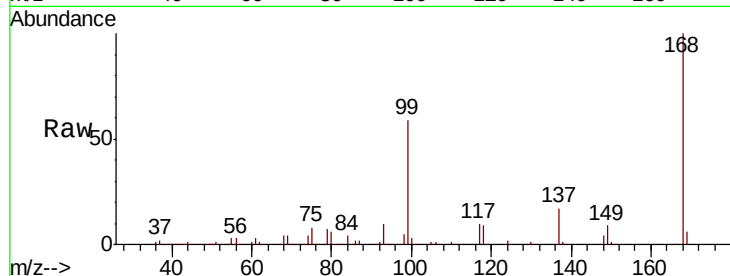




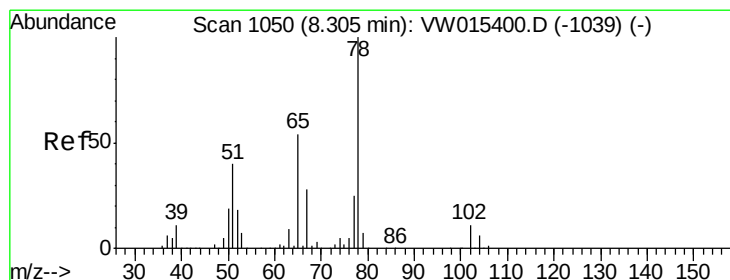
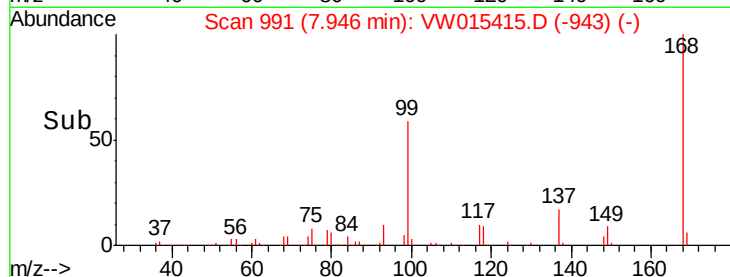
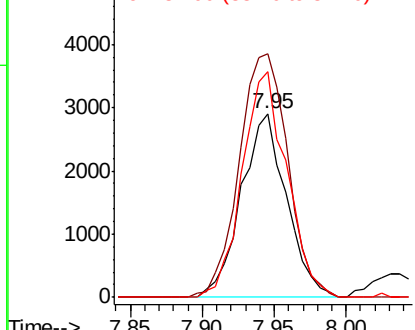
#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6302
Ion Ratio Lower Upper
56 100
69 132.7 27.2 40.8#
84 123.3 67.7 101.5#

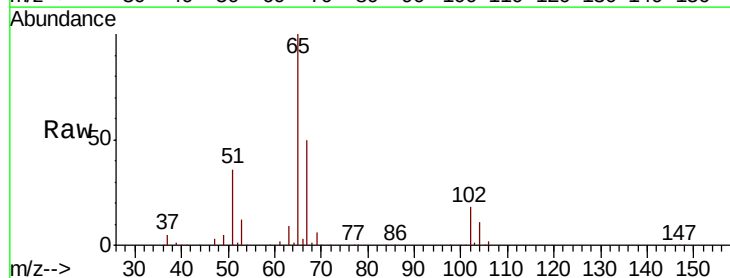


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

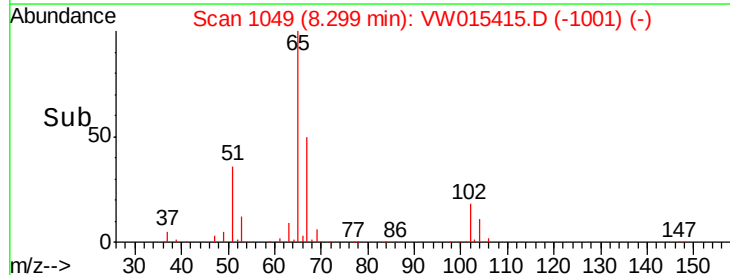
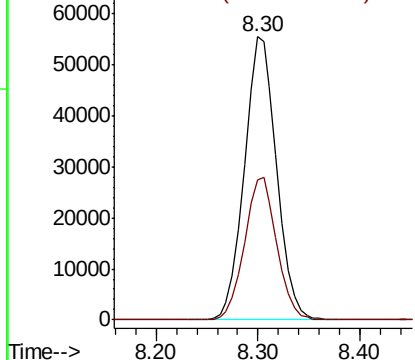


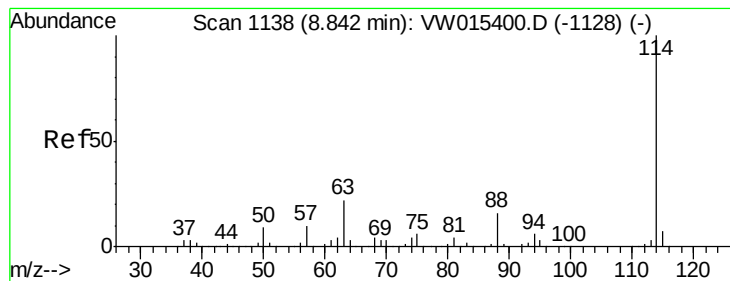
#33
1,2-Dichloroethane-d4
Concen: 50.600 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion: 65 Resp: 121507
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.8



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: VW015415.D

Acq: 07 May 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

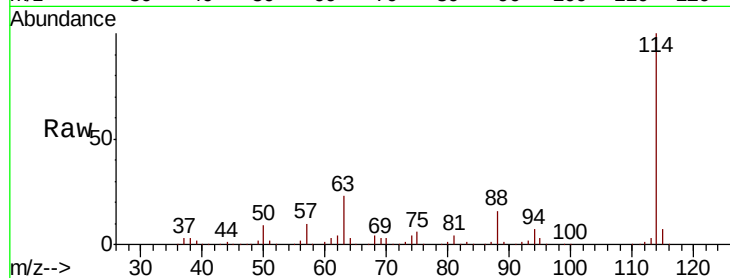
Tot Ion:114 Resp: 351966

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

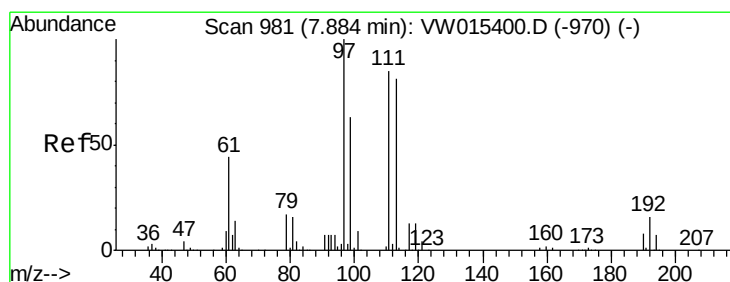
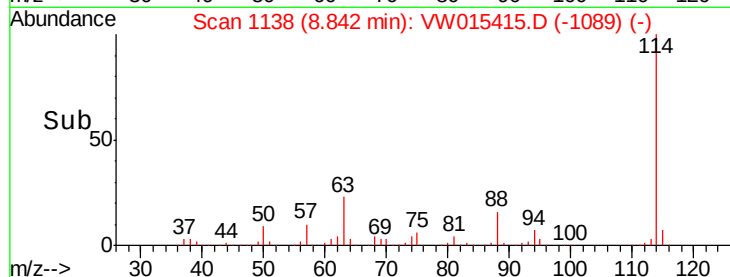
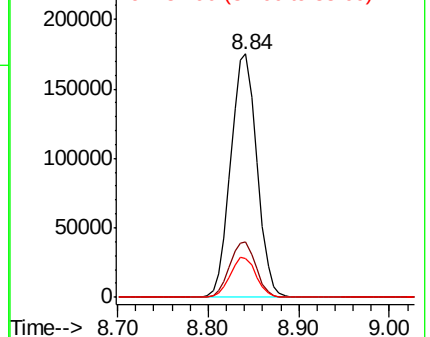
88 16.1 0.0 31.8



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: 52.019 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW015415.D

Acq: 07 May 2020 12:49

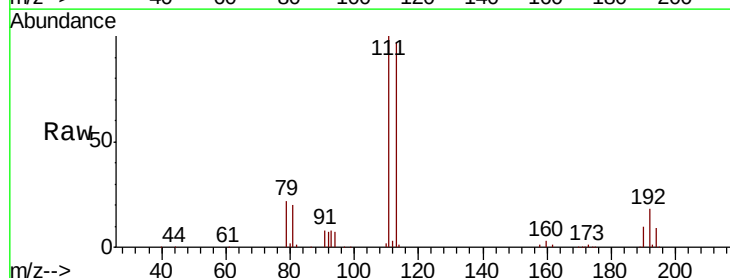
Tgt Ion:113 Resp: 105086

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

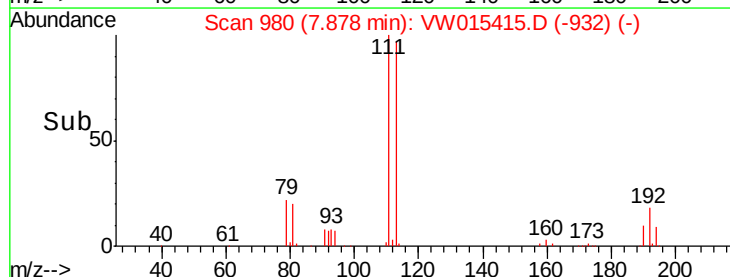
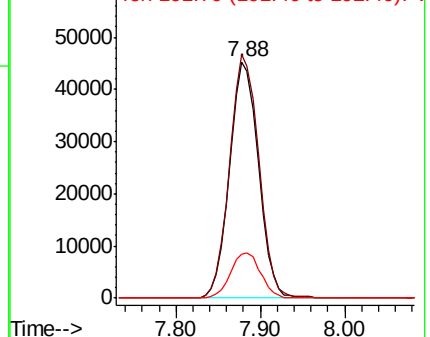
192 19.7 15.4 23.0

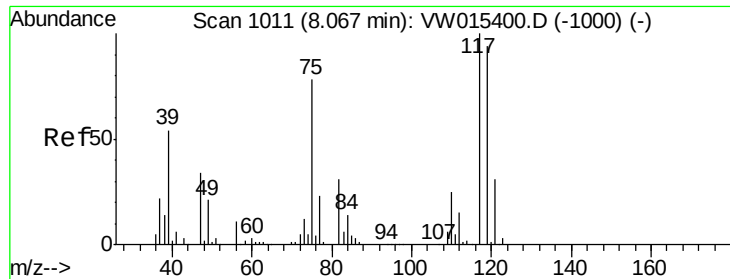


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

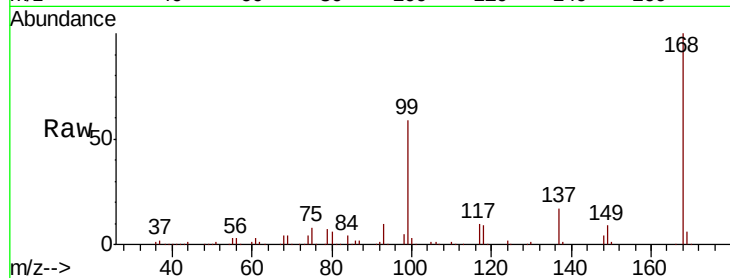




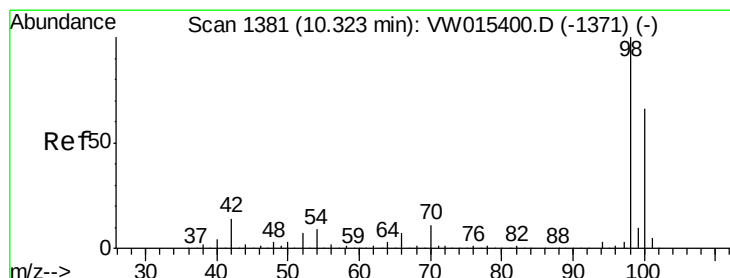
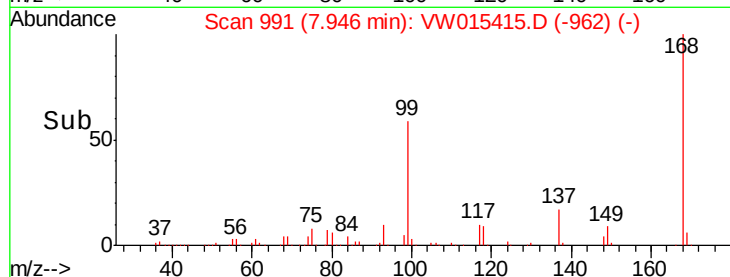
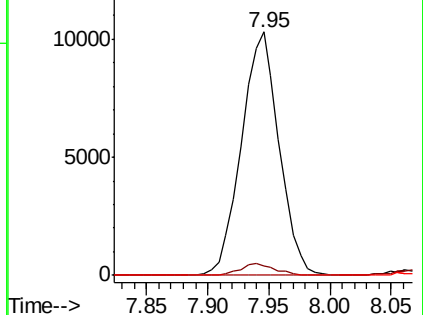
#38
Carbon Tetrachloride
Concen: 6.806 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 22004
Ion Ratio Lower Upper
117 100
119 4.1 75.4 113.0#
121 0.0 24.8 37.2#

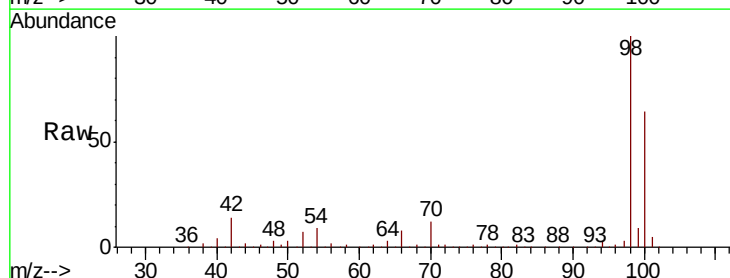


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

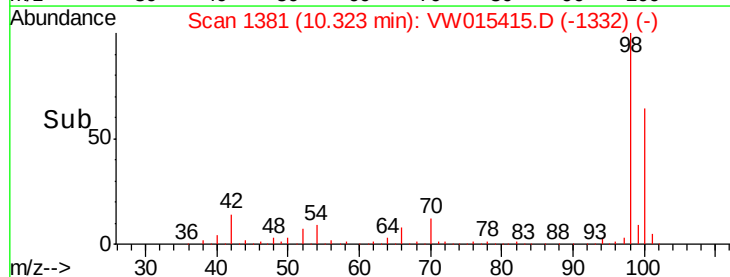
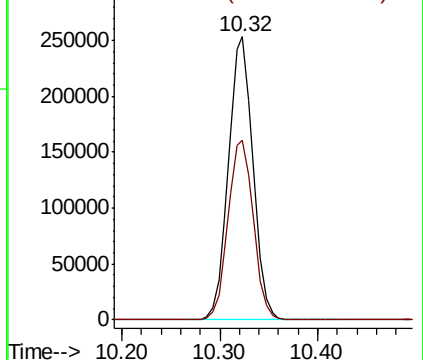


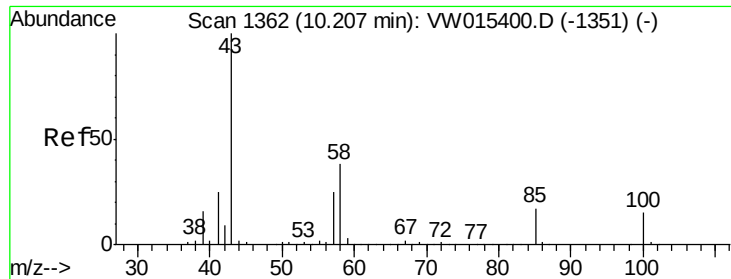
#50
Toluene-d8
Concen: 52.576 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion: 98 Resp: 439537
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



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: 4.845 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW015415.D

Acq: 07 May 2020 12:49

Instrument :

MSVOA_W

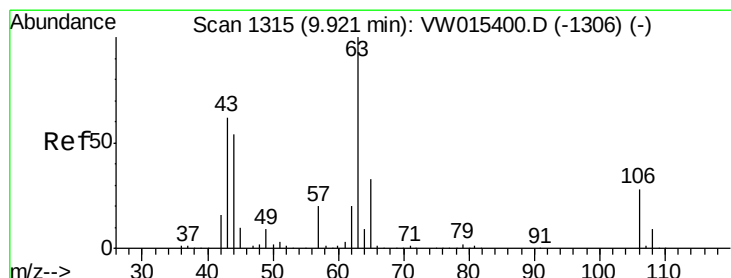
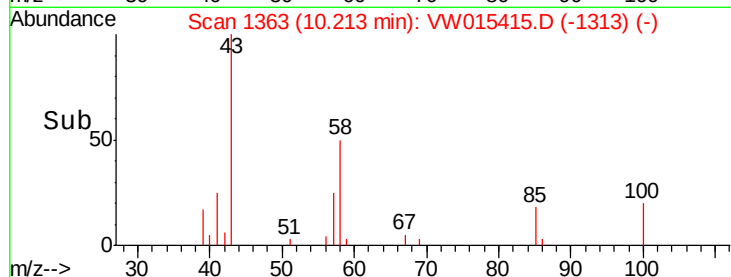
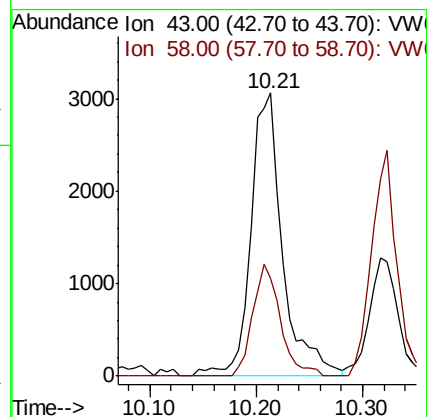
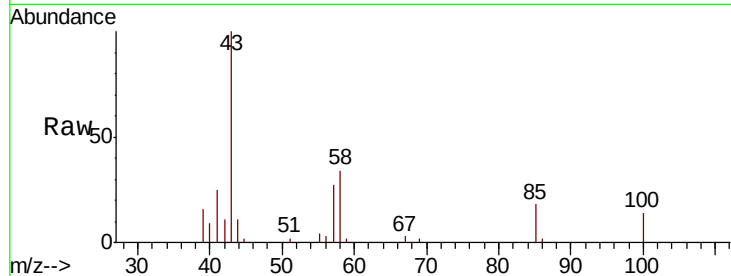
ClientSampled :

Tot Ion: 43 Resp: 6408

Ion Ratio Lower Upper

43 100

58 34.4 30.8 46.2



#58

2-Chloroethyl Vinyl ether

Concen: 2.312 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015415.D

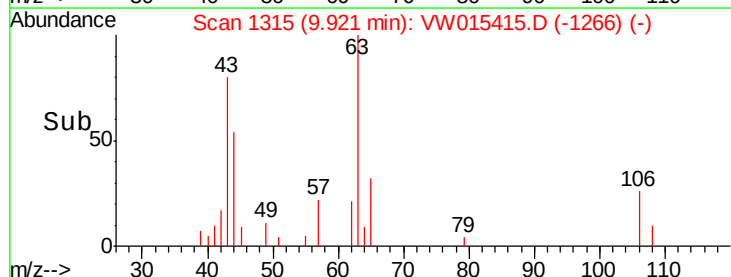
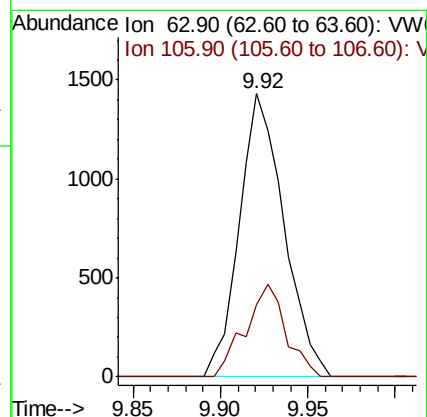
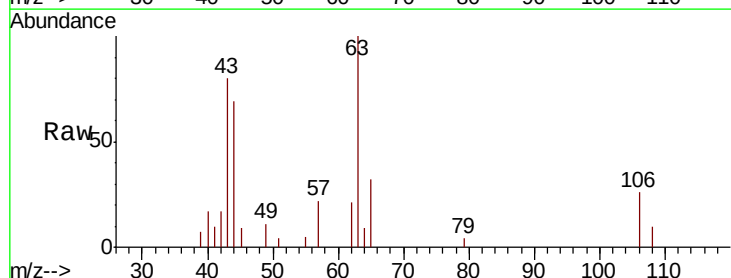
Acq: 07 May 2020 12:49

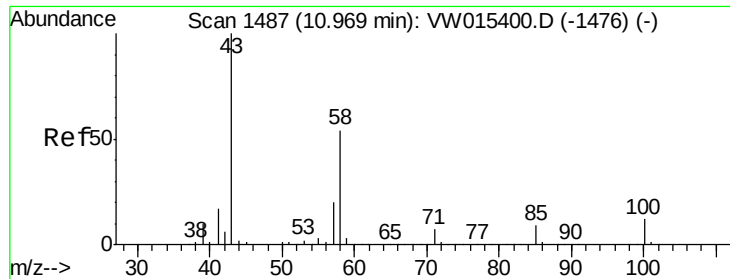
Tgt Ion: 63 Resp: 2532

Ion Ratio Lower Upper

63 100

106 29.8 22.6 33.8

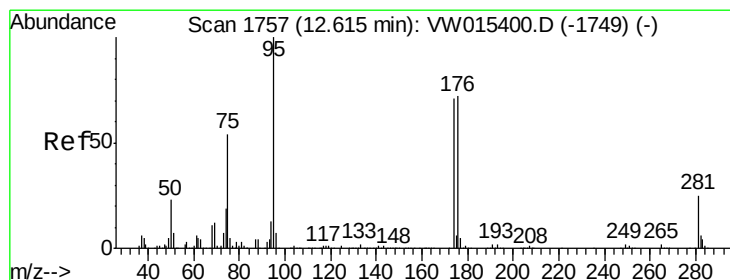
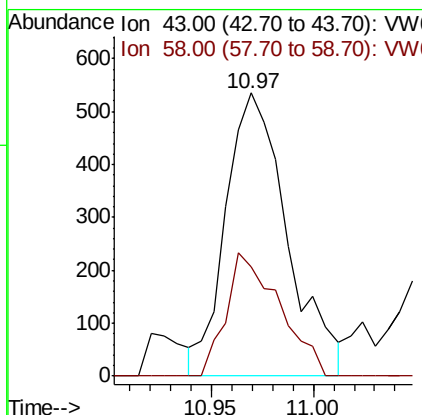
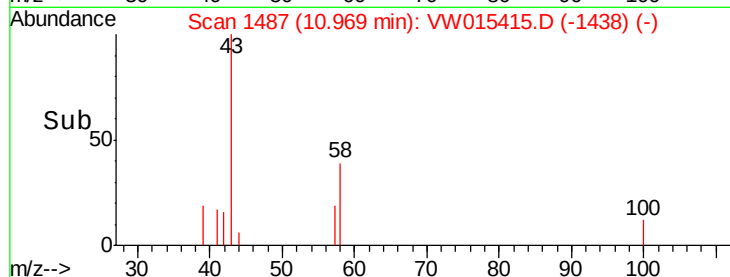
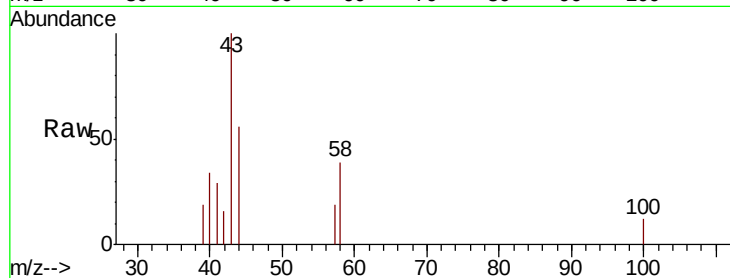




#59
2-Hexanone
Concen: 1.257 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

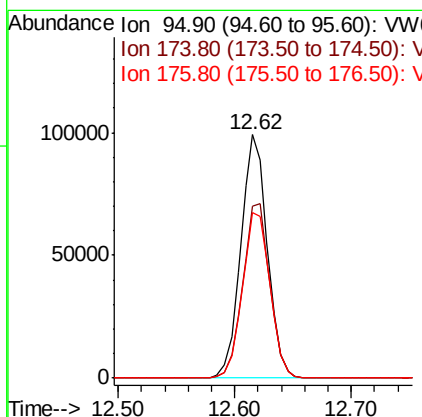
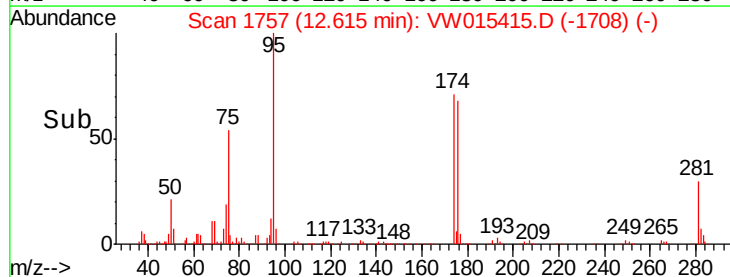
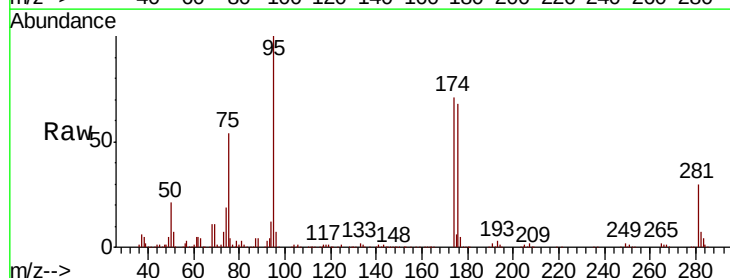
Instrument :
MSVOA_W
ClientSampleId :

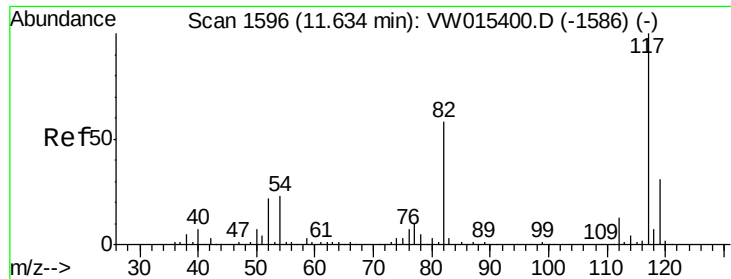
Tot Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 37.5 26.7 80.0



#62
4-Bromofluorobenzene
Concen: 50.758 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion: 95 Resp: 156691
Ion Ratio Lower Upper
95 100
174 73.7 0.0 147.6
176 71.2 0.0 144.4

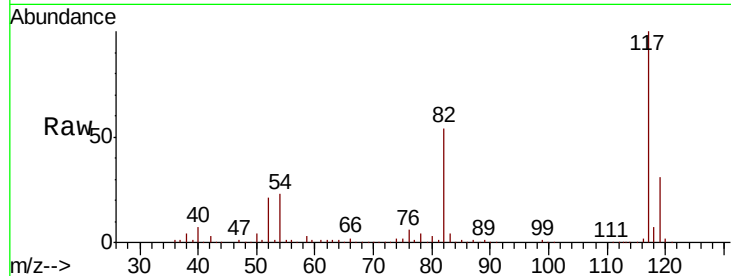




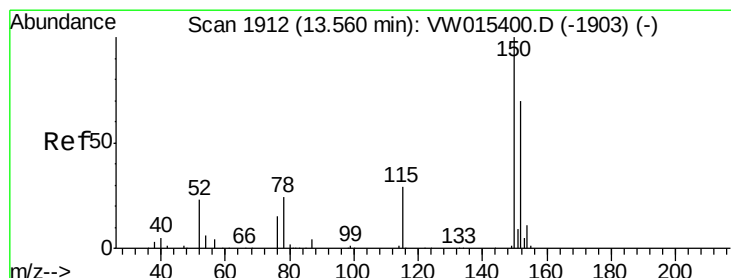
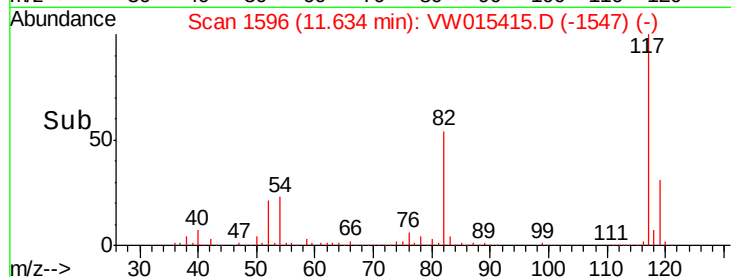
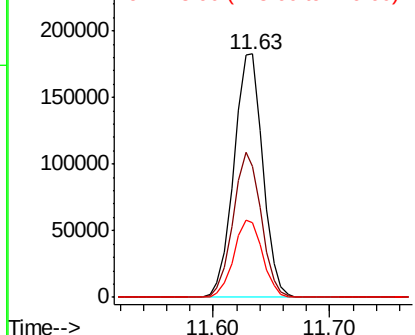
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 315801
Ion Ratio Lower Upper
117 100
82 53.6 46.4 69.6
119 30.9 24.6 37.0

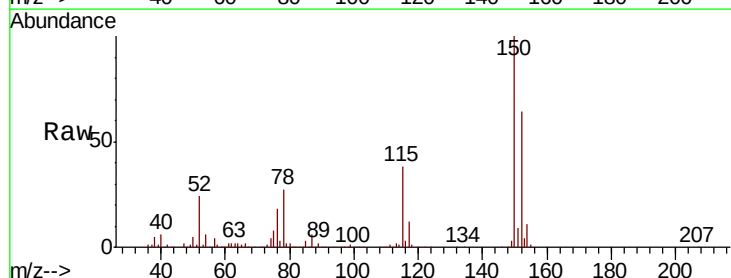


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

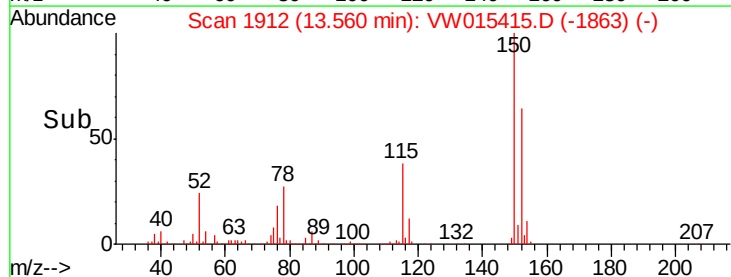
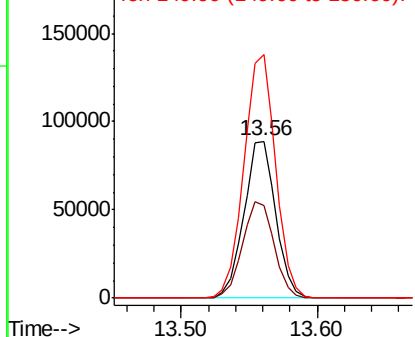


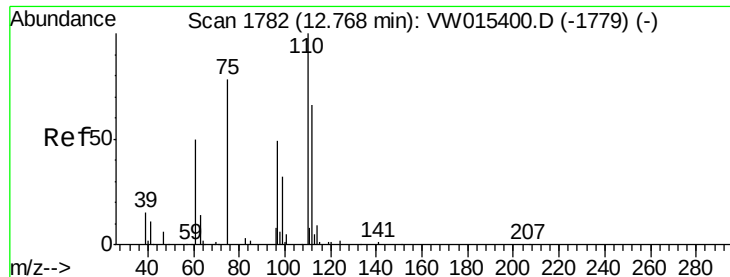
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion:152 Resp: 144643
Ion Ratio Lower Upper
152 100
115 61.5 30.3 90.8
150 155.4 0.0 344.4



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



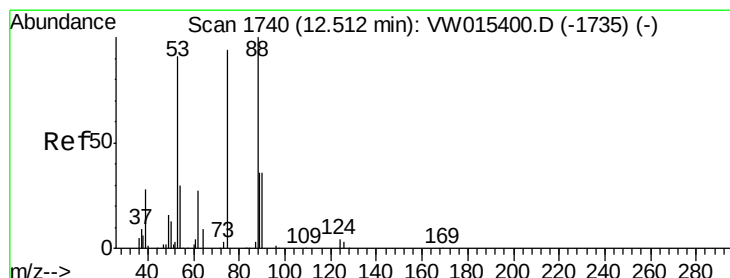
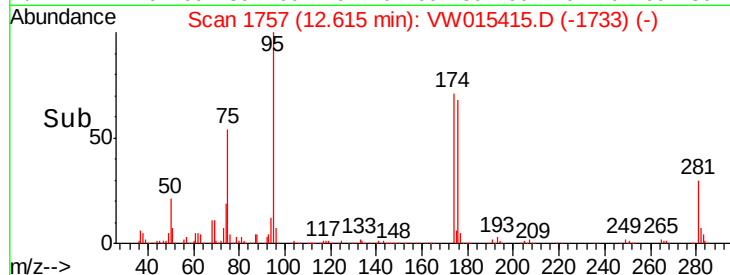
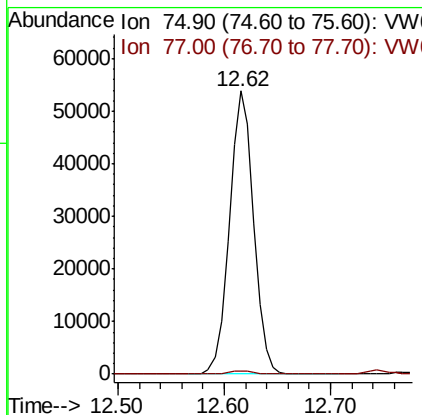
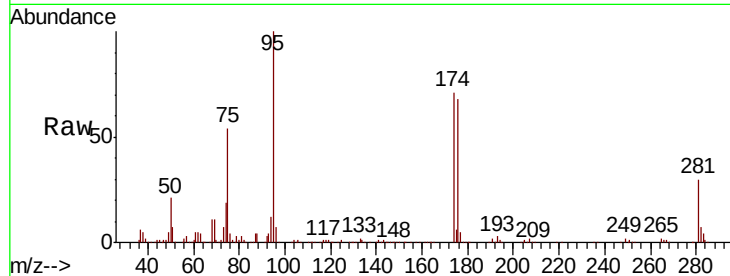


#76

1,2,3-Trichloropropane
Concen: 71.774 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 85404
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 141.970 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW015415.D
Acq: 07 May 2020 12:49

Tgt Ion: 75 Resp: 85404
Ion Ratio Lower Upper
75 100
53 0.0 82.5 123.7#
89 0.2 35.8 53.8#

