

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015443.D
 Acq On : 15 May 2020 19:19
 Operator : SY/VA
 Sample : L2679-10
 Misc : 12.21G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:57:18 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	229977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167530	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	146514	57.96	ug/l	0.00
Spiked Amount			Recovery	=	115.92%	
35) Dibromofluoromethane	7.88	113	119118	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.32	98	479821	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.62	95	174675	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

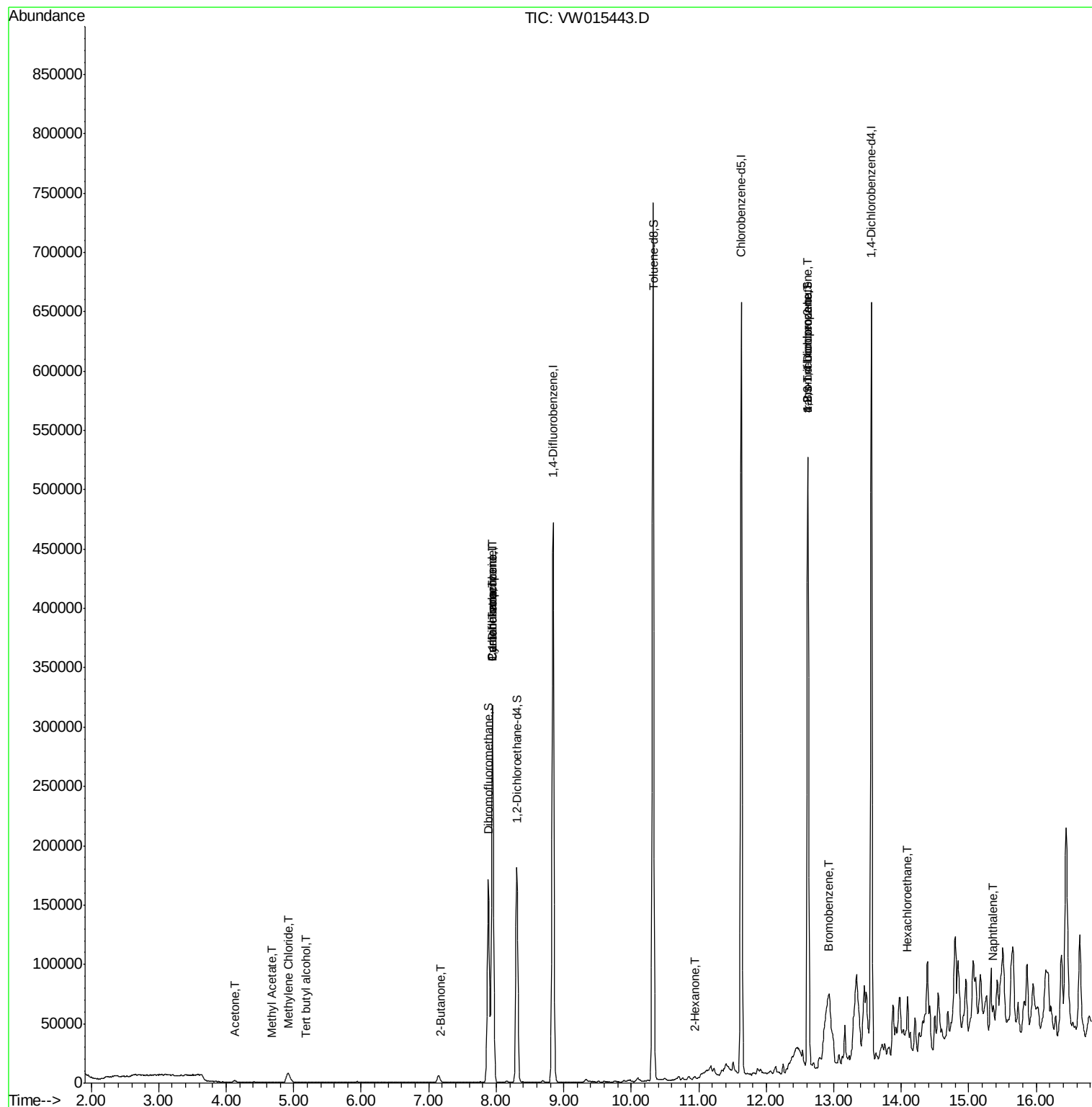
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	196	1.344	ug/l #	71
16) Acetone	4.13	43	2303	5.864	ug/l	96
18) Methyl Acetate	4.67	43	1296	1.243	ug/l #	62
20) Methylene Chloride	4.92	84	7182	2.803	ug/l	89
25) 2-Butanone	7.18	43	700	1.144	ug/l #	48
31) Cyclohexane	7.95	56	5461	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18678	4.912	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23186	6.522	ug/l #	17
59) 2-Hexanone	10.93	43	1115	1.133	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	92506	67.122	ug/l #	100
77) Bromobenzene	12.91	156	82665	31.188	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	92506	132.768	ug/l #	9
90) Hexachloroethane	14.09	117	2162	1.016	ug/l #	14
95) Naphthalene	15.36	128	19472	3.538	ug/l	98

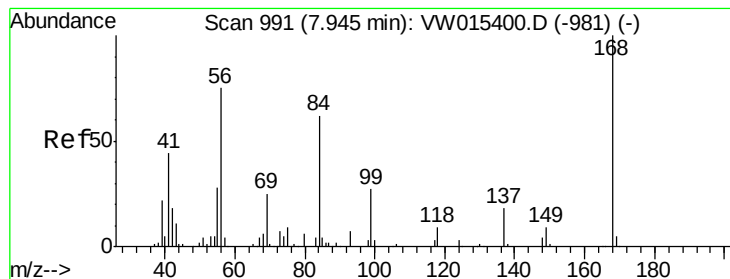
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015443.D

Acq: 15 May 2020 19:19

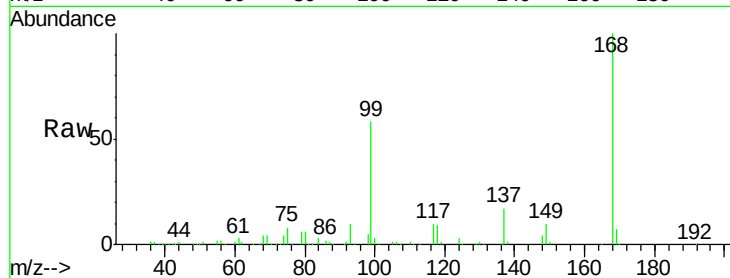
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 229977

Ion Ratio Lower Upper

168 100

99 58.4 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

120000

100000

80000

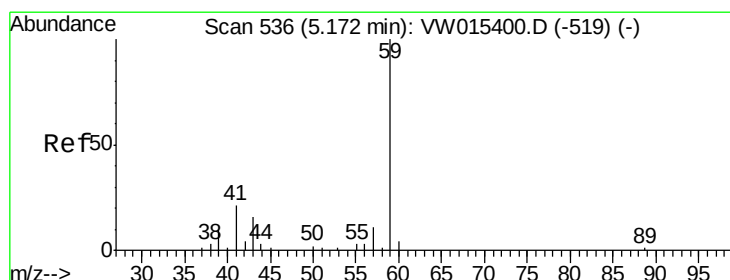
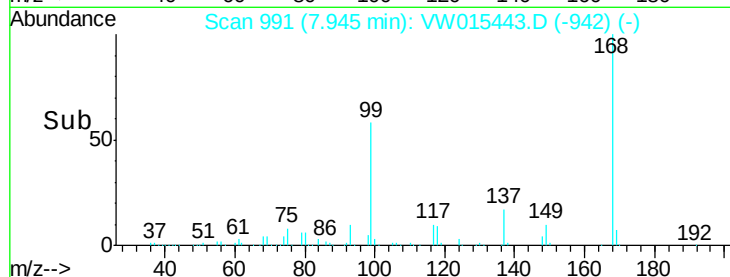
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.344 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW015443.D

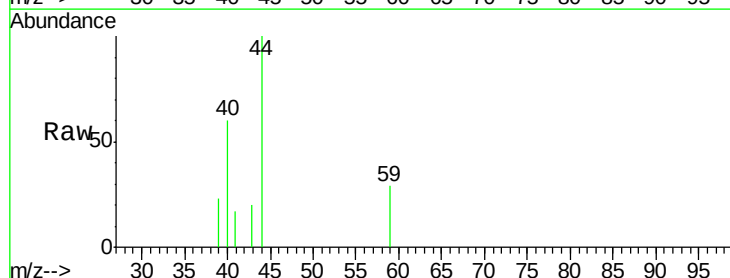
Acq: 15 May 2020 19:19

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

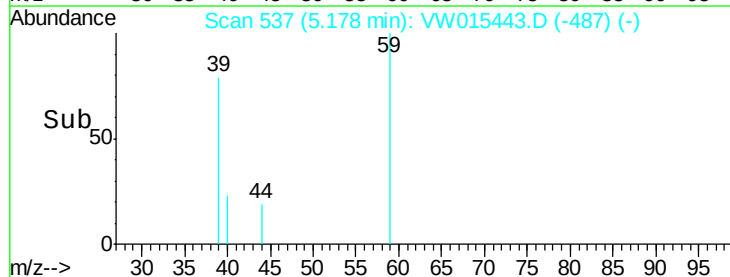
5.18

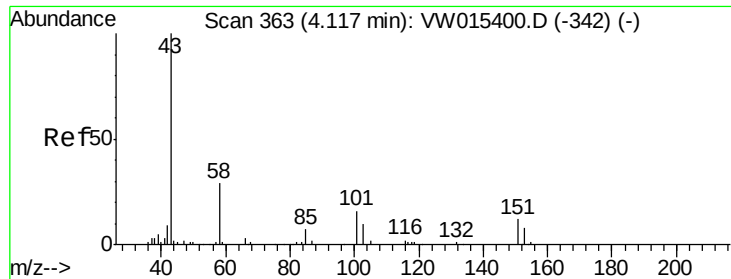
100

50

0

Time--> 5.16 5.18 5.20 5.22





#16

Acetone

Concen: 5.864 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

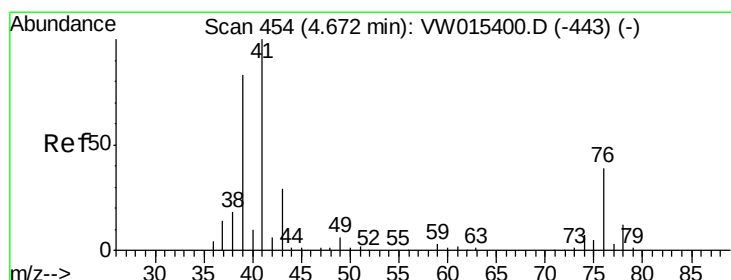
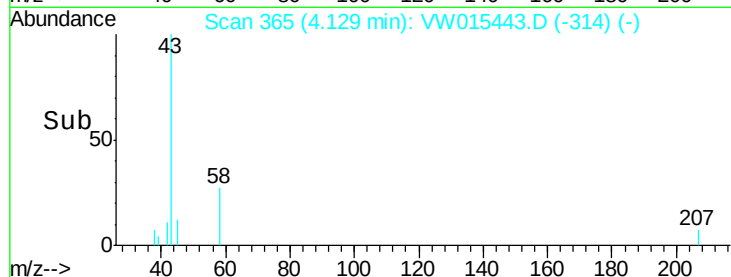
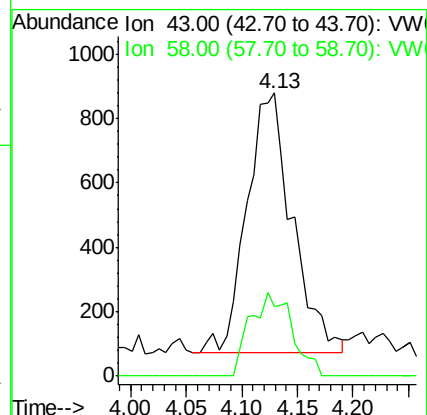
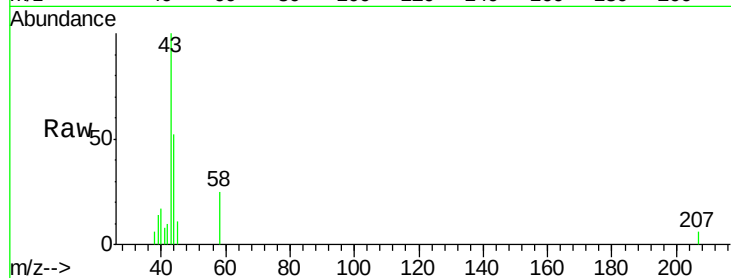
ClientSampled :

Tot Ion: 43 Resp: 2303

Ion Ratio Lower Upper

43 100

58 26.9 23.4 35.0



#18

Methyl Acetate

Concen: 1.243 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015443.D

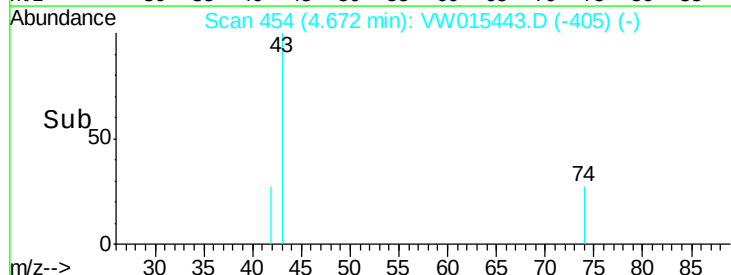
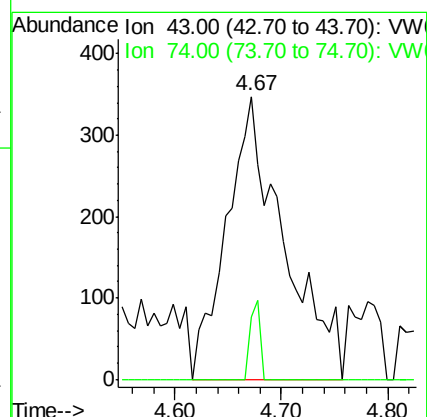
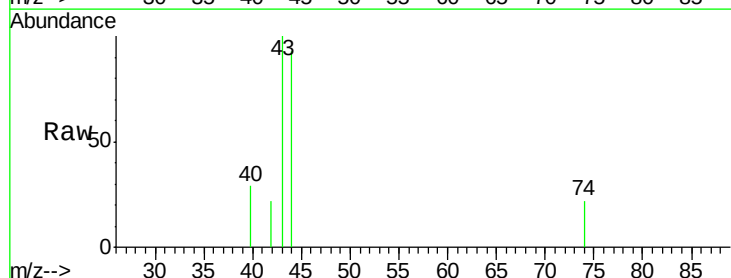
Acq: 15 May 2020 19:19

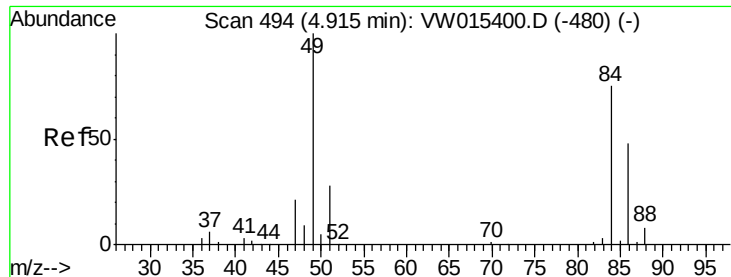
Tgt Ion: 43 Resp: 1296

Ion Ratio Lower Upper

43 100

74 4.9 18.7 28.1#

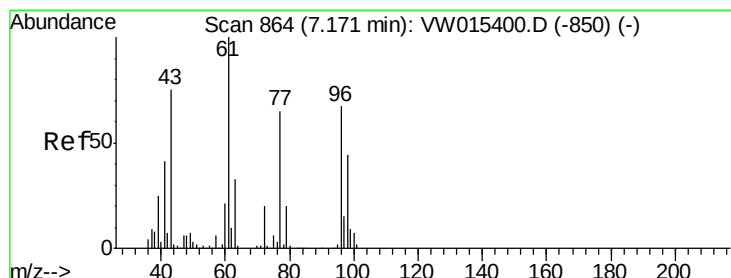
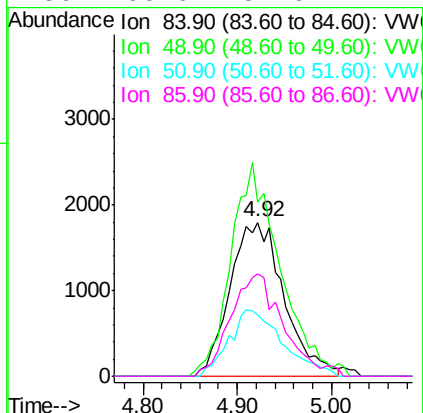
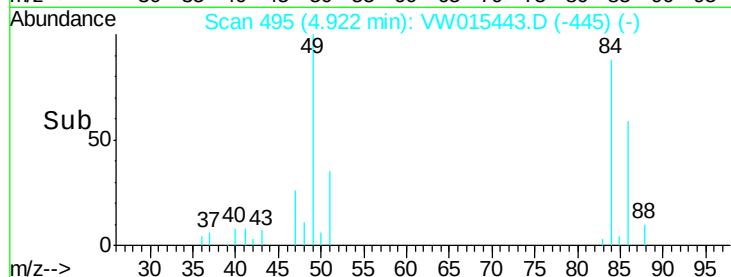
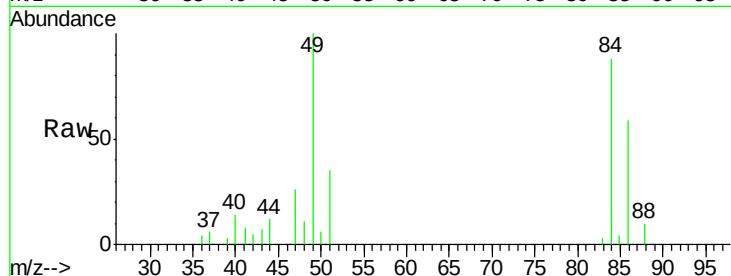




#20
Methylene Chloride
Concen: 2.803 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

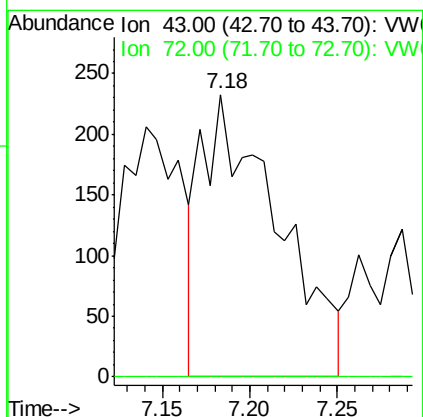
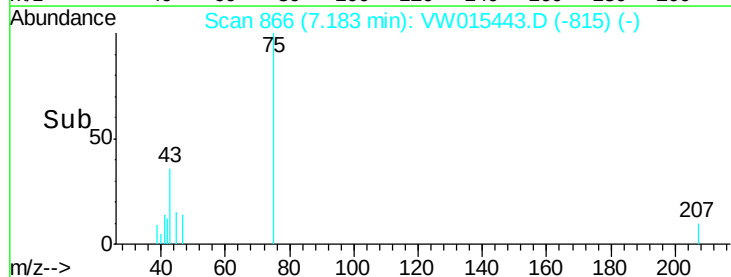
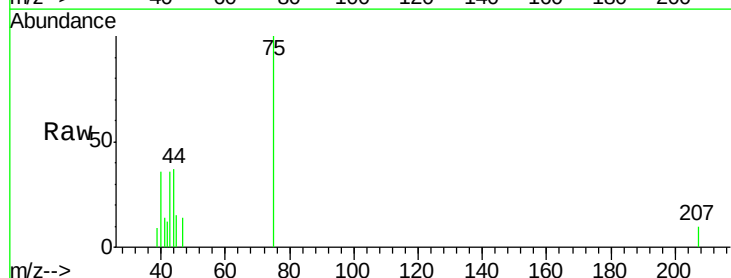
Instrument :
MSVOA_W
ClientSampled :

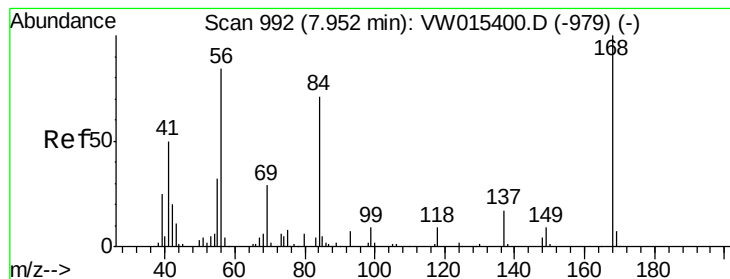
Tot Ion:	84	Resp:	7182
Ion	Ratio	Lower	Upper
84	100		
49	113.1	106.4	159.6
51	39.9	30.2	45.2
86	66.6	51.6	77.4



#25
2-Butanone
Concen: 1.144 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

Tgt Ion:	43	Resp:	700
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :
MSVOA_W
ClientSampled :

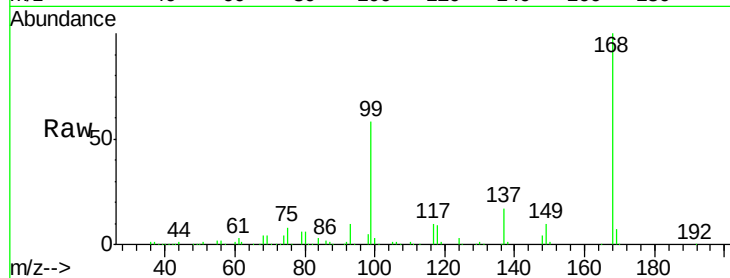
Tot Ion: 56 Resp: 5461

Ion Ratio Lower Upper

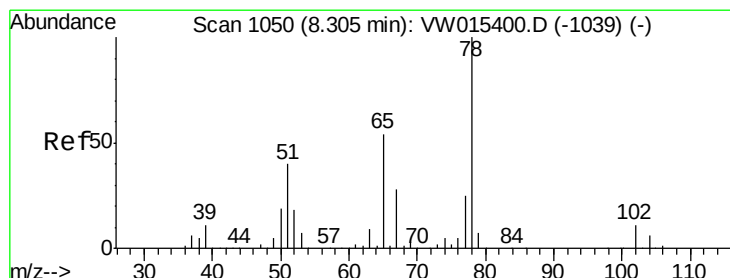
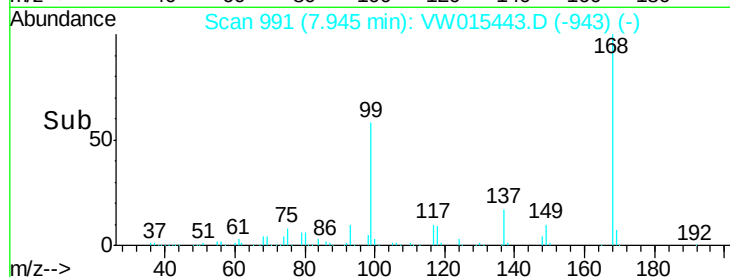
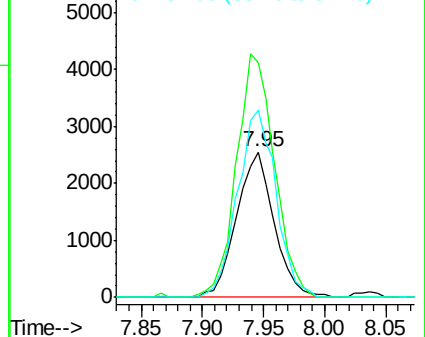
56 100

69 161.5 27.2 40.8#

84 129.0 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: 57.956 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015443.D

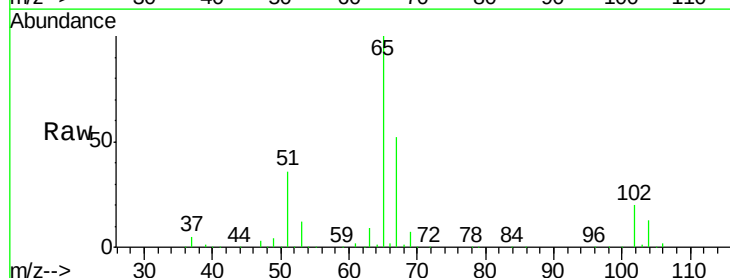
Acq: 15 May 2020 19:19

Tgt Ion: 65 Resp: 146514

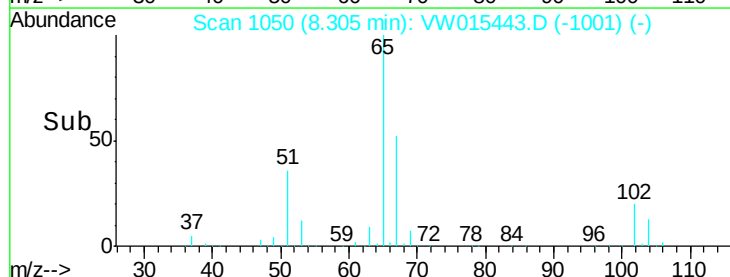
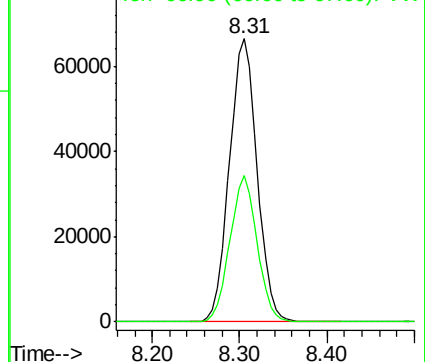
Ion Ratio Lower Upper

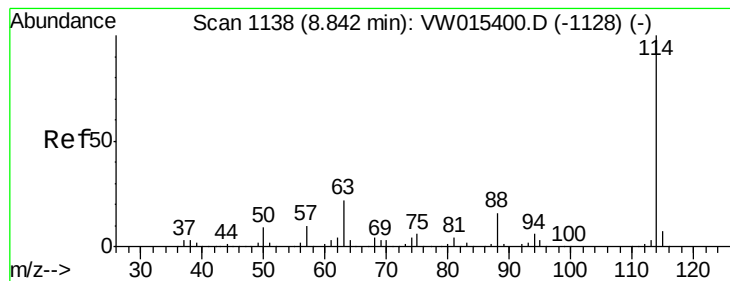
65 100

67 50.8 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: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

ClientSampled :

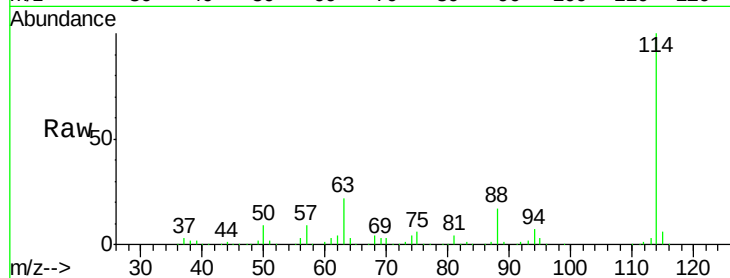
Tot Ion:114 Resp: 387062

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

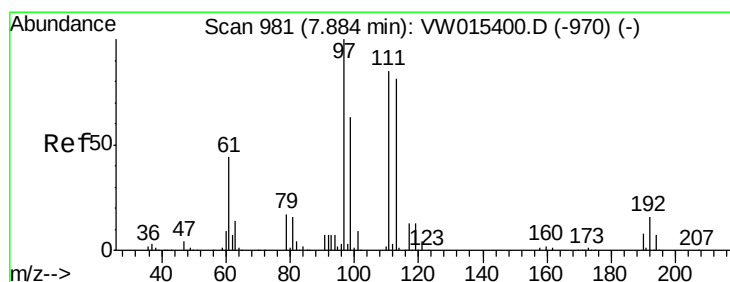
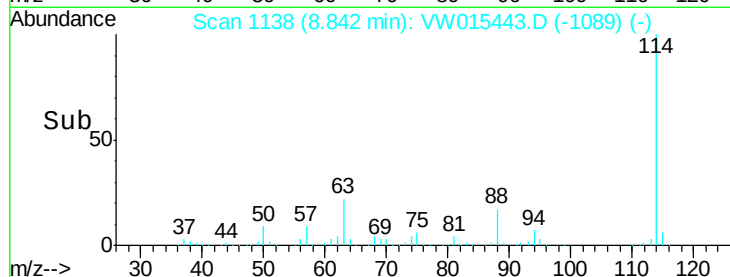
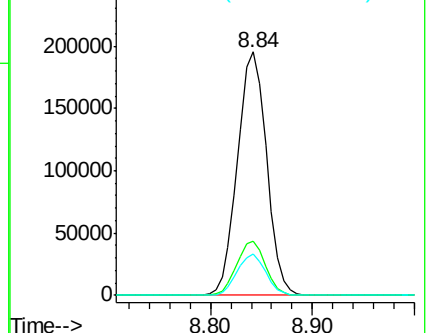
88 17.1 0.0 31.8



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: 53.619 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

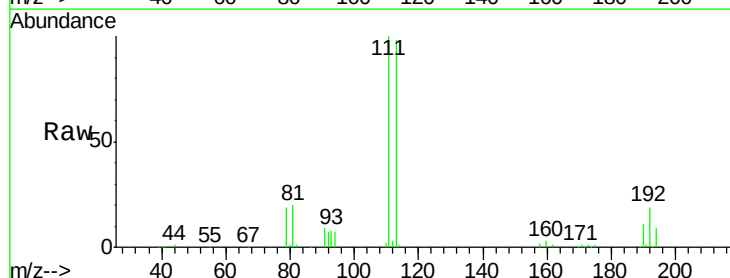
Tgt Ion:113 Resp: 119118

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

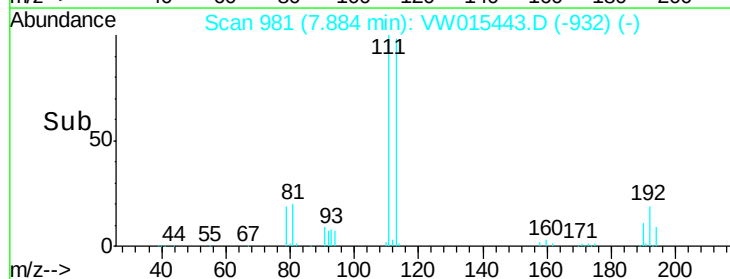
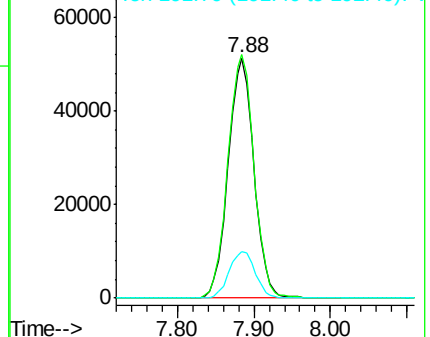
192 19.8 15.4 23.0

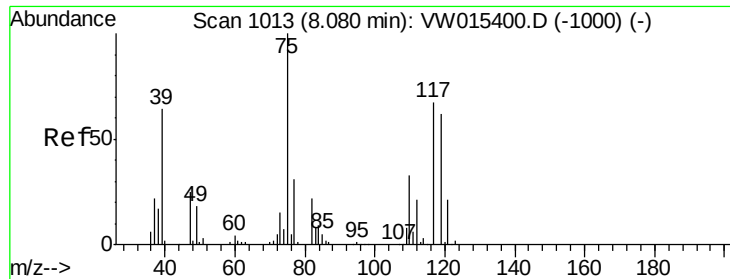


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

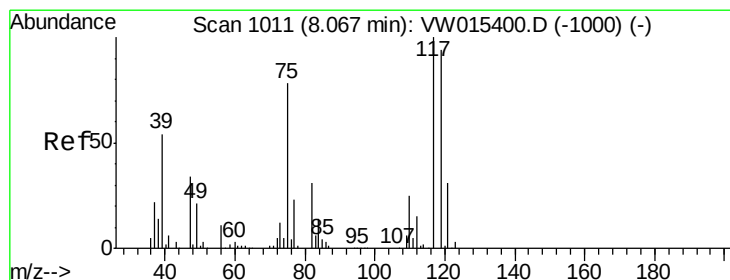
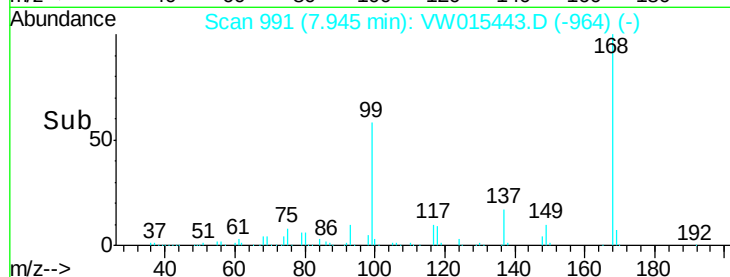
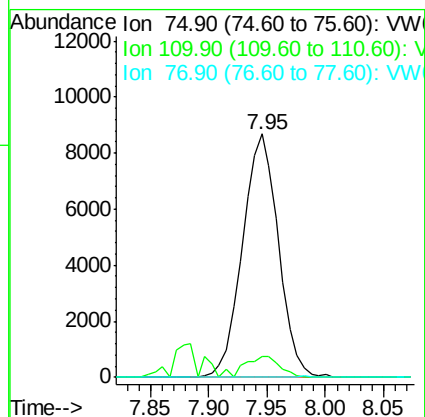
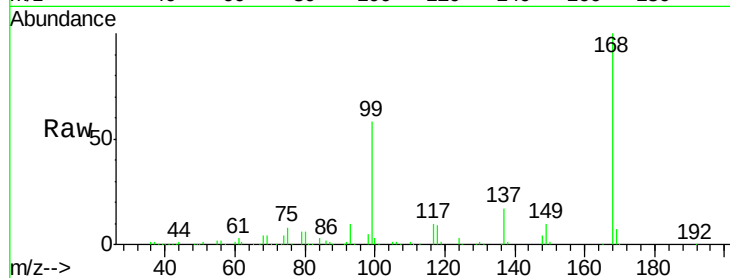
Tot Ion: 75 Resp: 18678

Ion Ratio Lower Upper

75 100

110 8.1 16.6 49.8#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

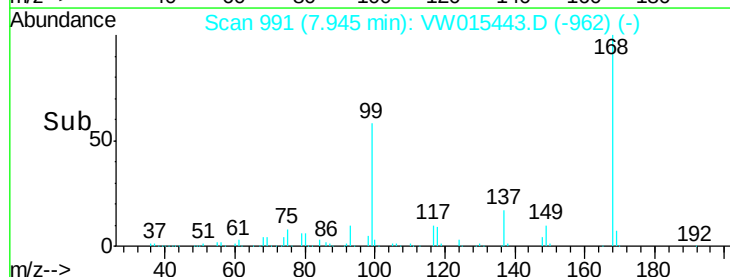
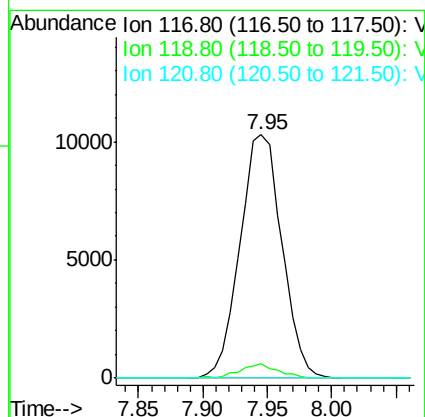
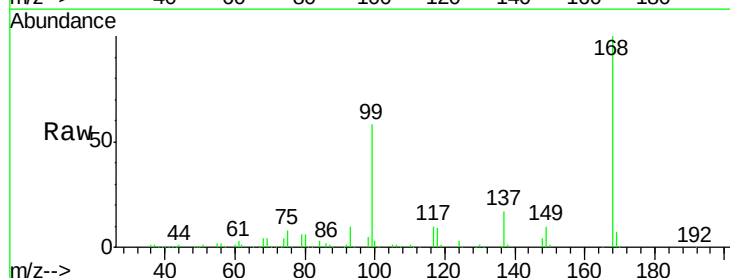
Tgt Ion: 117 Resp: 23186

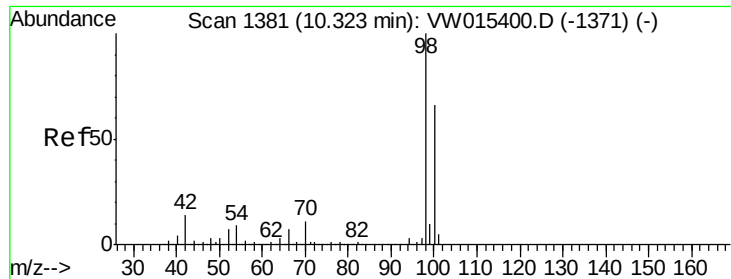
Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

121 0.0 24.8 37.2#

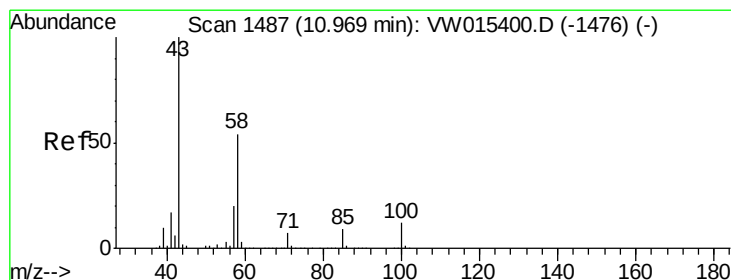
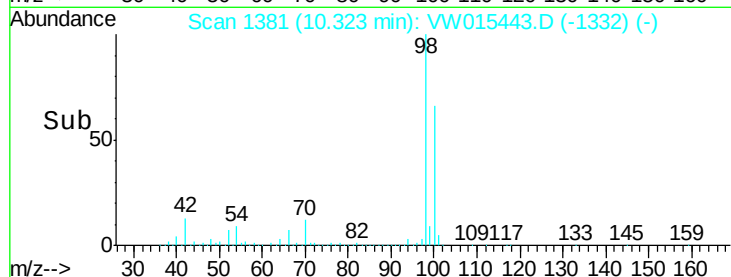
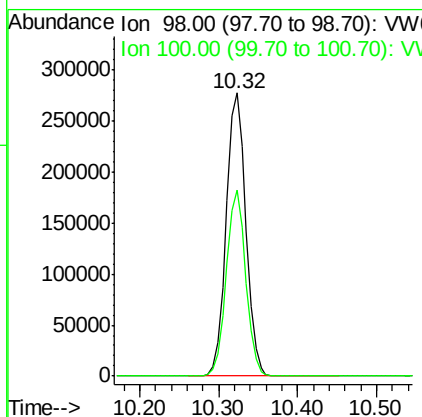
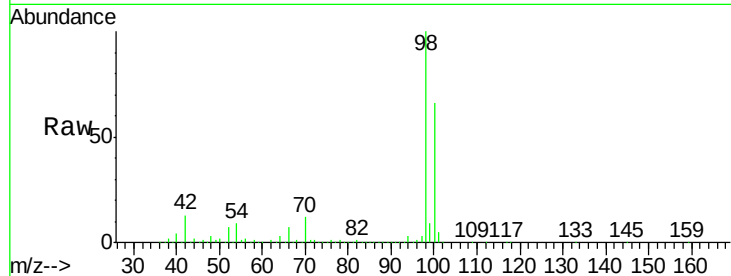




#50
Toluene-d8
Concen: 52.190 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

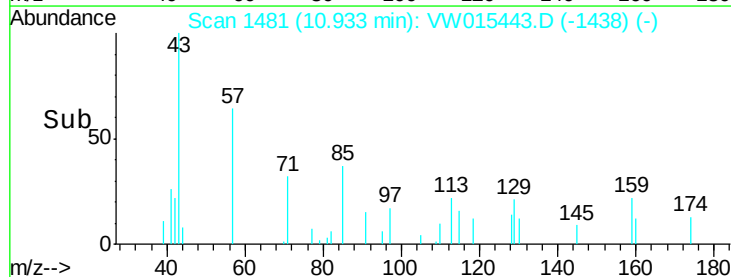
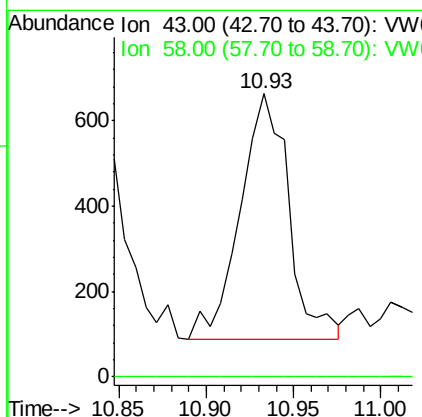
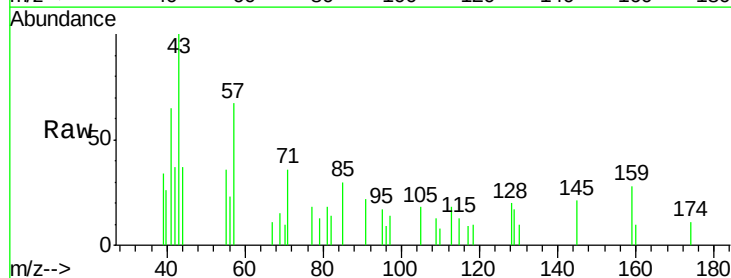
Instrument :
MSVOA_W
ClientSampled :

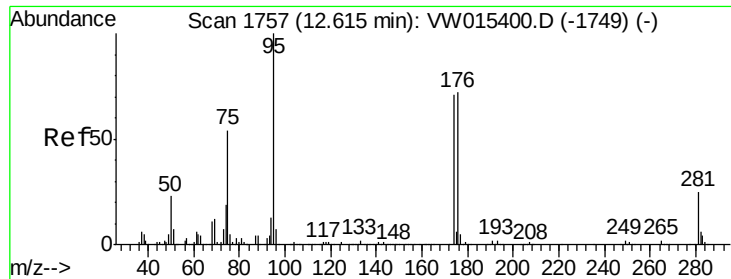
Tot Ion: 98 Resp: 479821
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#59
2-Hexanone
Concen: 1.133 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.0#

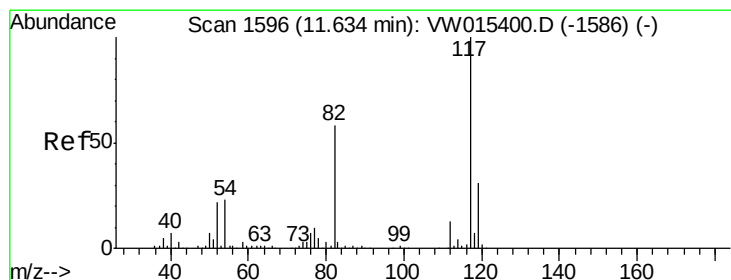
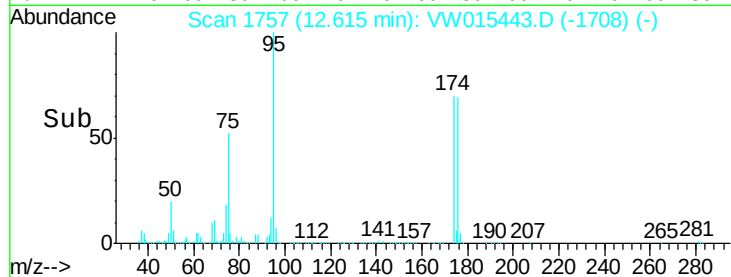
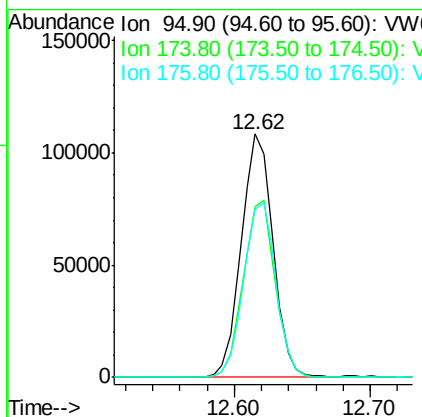
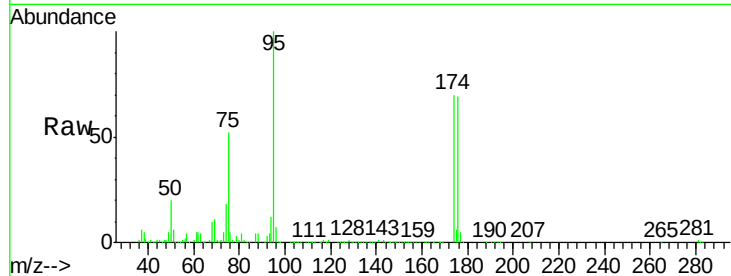




#62
4-Bromofluorobenzene
Concen: 51.453 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

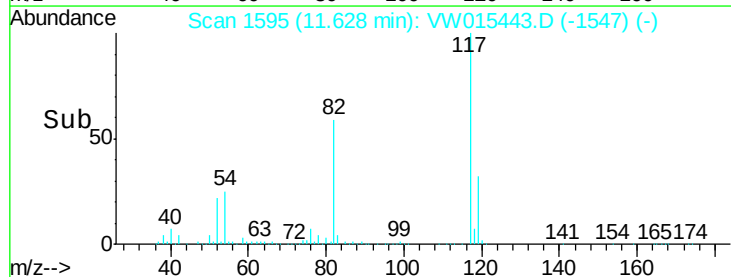
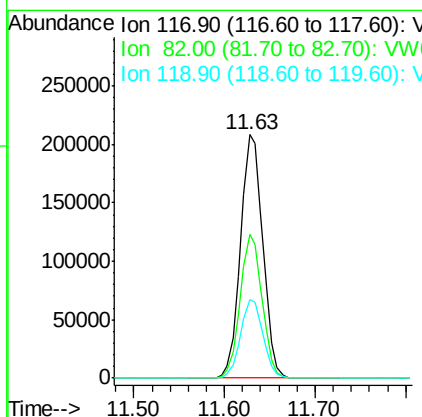
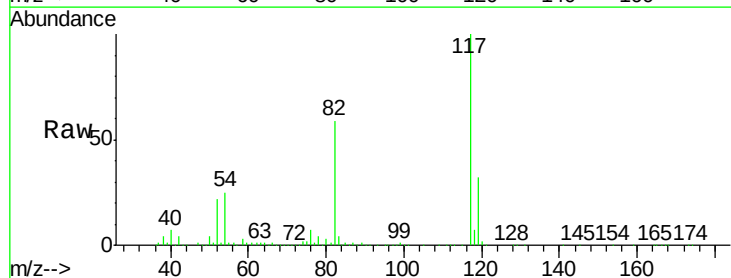
Instrument :
MSVOA_W
ClientSampled :

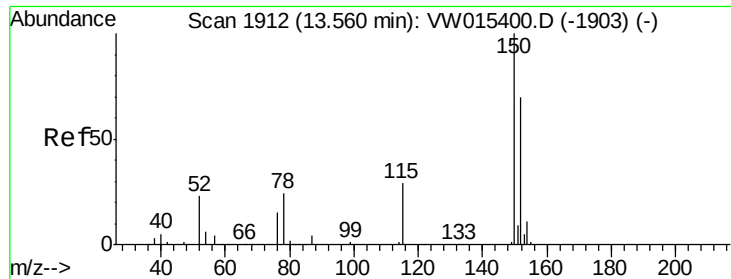
Tot Ion: 95 Resp: 174675
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.6
176 73.9 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015443.D
Acq: 15 May 2020 19:19

Tgt Ion: 117 Resp: 353019
Ion Ratio Lower Upper
117 100
82 58.8 46.4 69.6
119 32.1 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

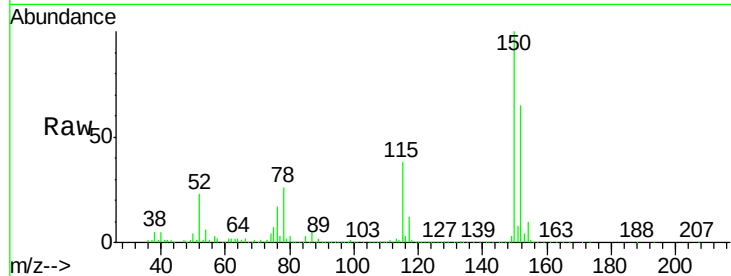
Tot Ion:152 Resp: 167530

Ion Ratio Lower Upper

152 100

115 60.5 30.3 90.8

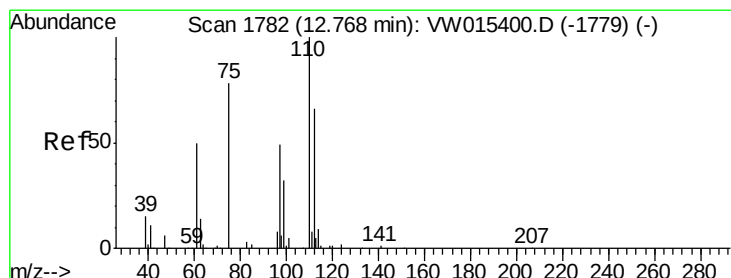
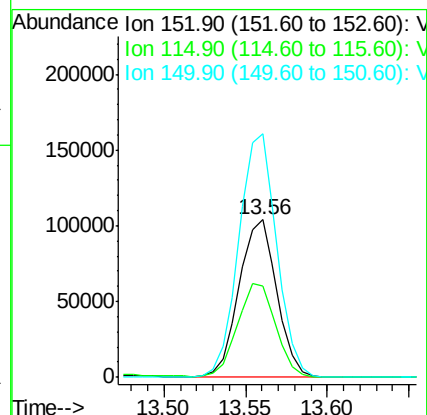
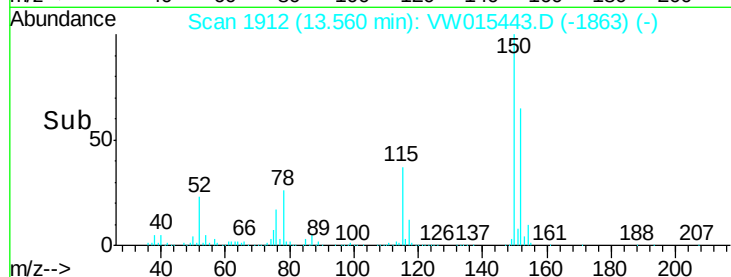
150 155.0 0.0 344.4



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: 67.122 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015443.D

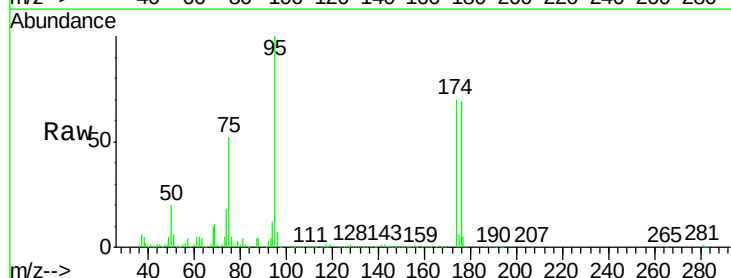
Acq: 15 May 2020 19:19

Tgt Ion: 75 Resp: 92506

Ion Ratio Lower Upper

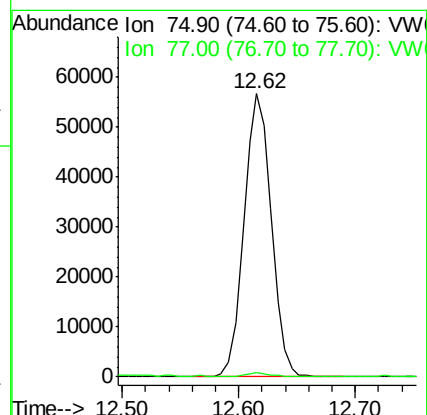
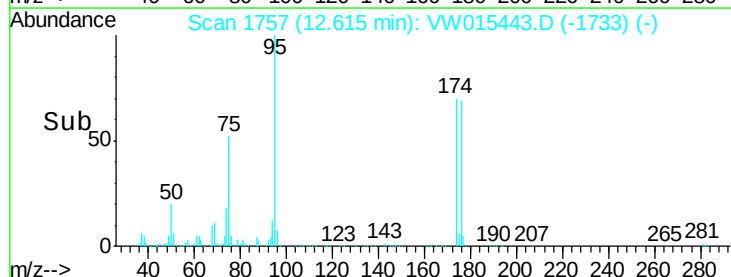
75 100

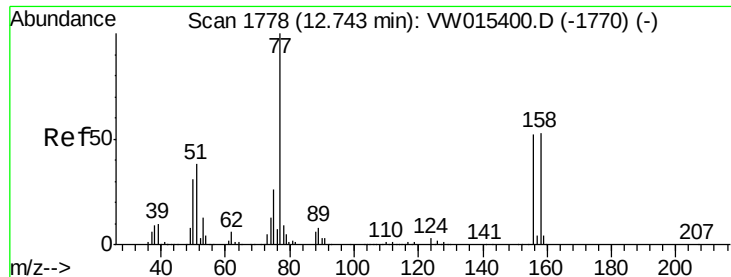
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 31.188 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.17 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

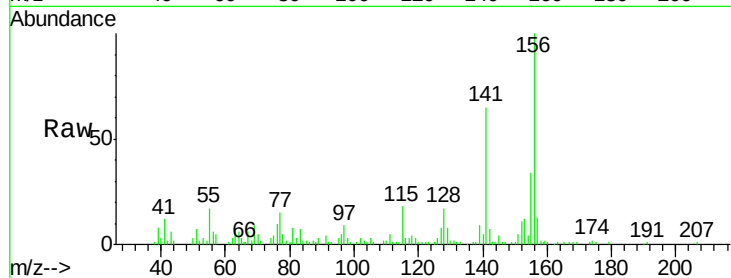
Tot Ion:156 Resp: 82665

Ion Ratio Lower Upper

156 100

77 0.0 101.8 305.6#

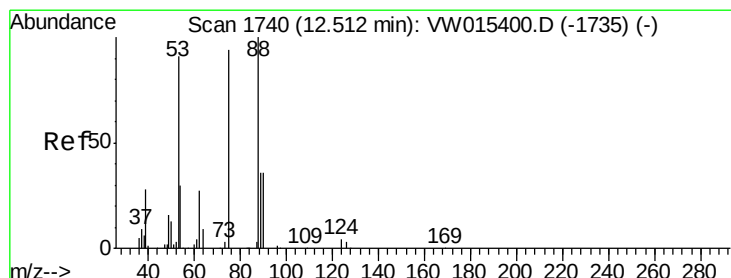
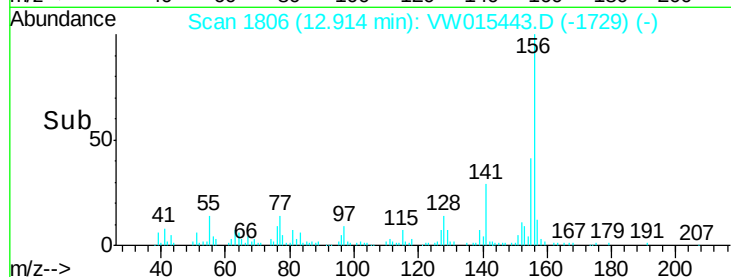
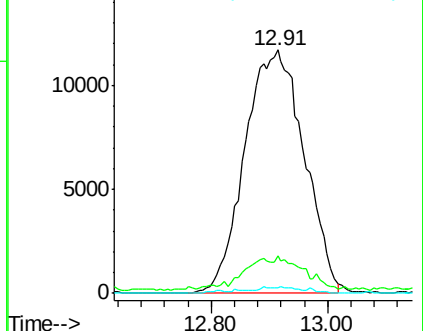
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 132.768 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

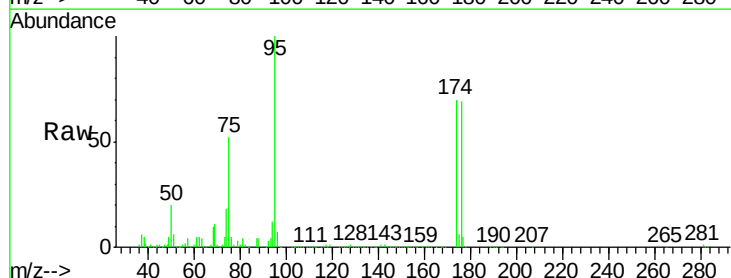
Tgt Ion: 75 Resp: 92506

Ion Ratio Lower Upper

75 100

53 0.2 82.5 123.7#

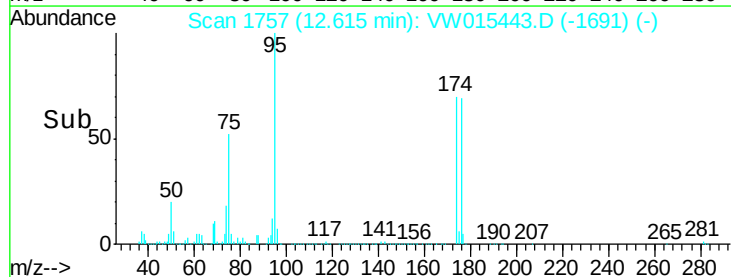
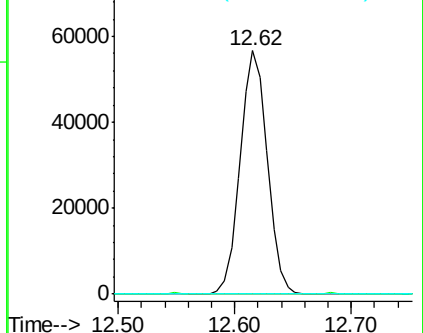
89 0.0 35.8 53.8#

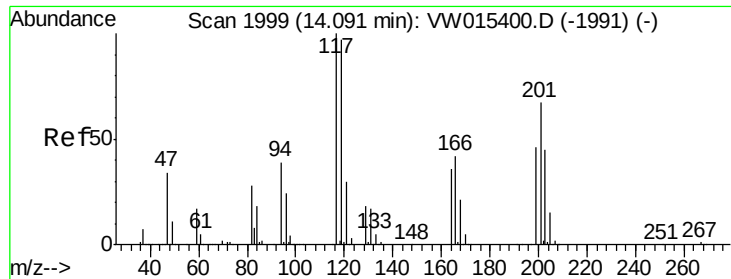


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 1.016 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Instrument :

MSVOA_W

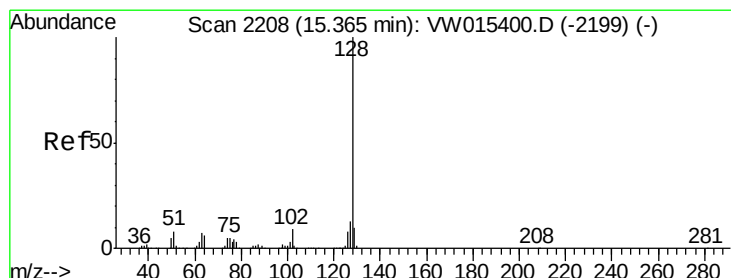
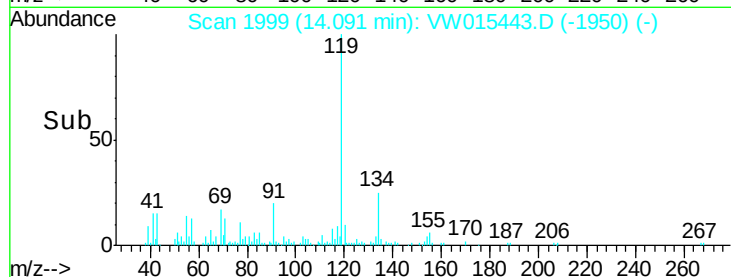
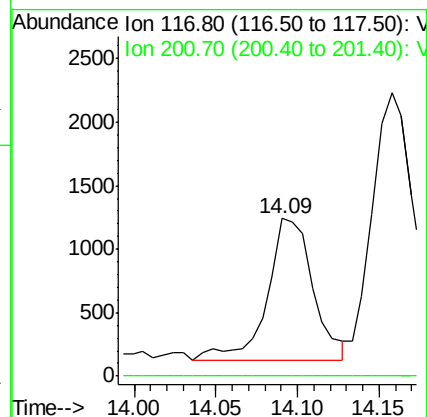
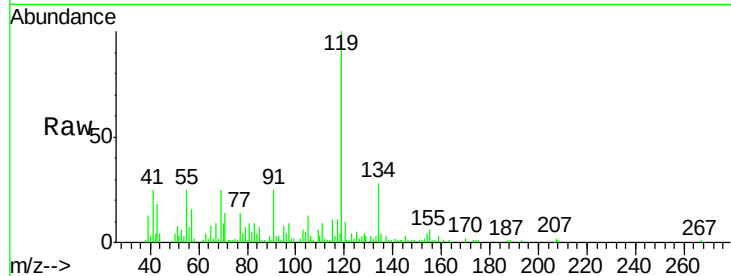
ClientSampled :

Tot Ion:117 Resp: 2162

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.8#



#95

Naphthalene

Concen: 3.538 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015443.D

Acq: 15 May 2020 19:19

Tgt Ion:128 Resp: 19472

Ion Ratio Lower Upper

128 100

127 11.6 10.5 15.7

129 11.0 8.6 12.8

