

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015442.D
 Acq On : 15 May 2020 18:52
 Operator : SY/VA
 Sample : L2679-09
 Misc : 7.34G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:56:48 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	255418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	175900	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	141920	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.88	113	127431	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.32	98	517874	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	183677	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	

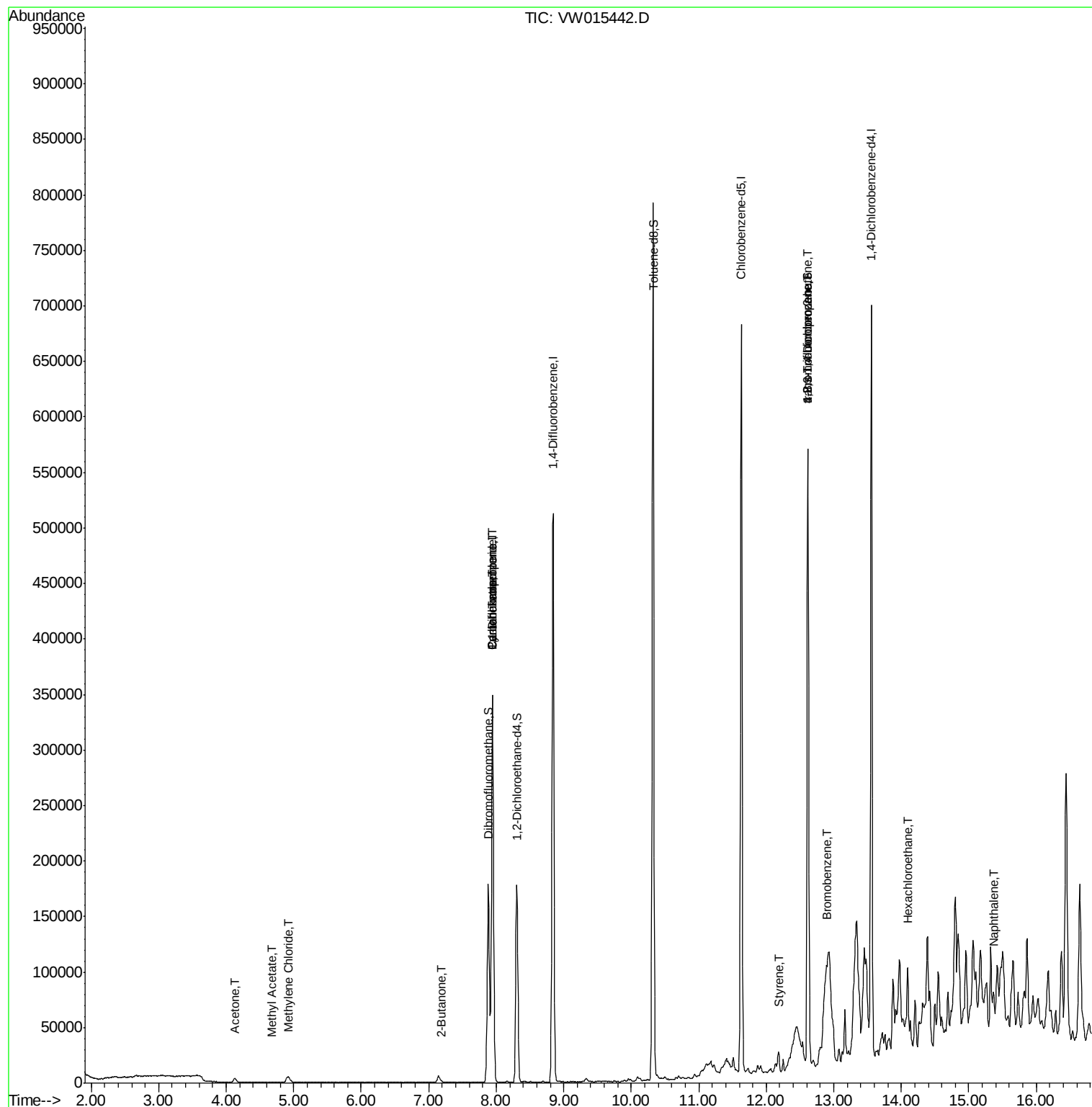
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	6876	15.764	ug/l	97
18) Methyl Acetate	4.67	43	1679	1.450	ug/l #	85
20) Methylene Chloride	4.91	84	4740	1.666	ug/l	93
25) 2-Butanone	7.20	43	1267	1.864	ug/l	96
31) Cyclohexane	7.94	56	5941	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20436	4.840	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25395	6.433	ug/l #	16
70) Styrene	12.18	104	8778	1.033	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	95142	65.750	ug/l #	100
77) Bromobenzene	12.89	156	66987	24.070	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	95142	130.054	ug/l #	9
90) Hexachloroethane	14.10	117	3299	1.476	ug/l #	14
95) Naphthalene	15.36	128	32266	5.584	ug/l	96

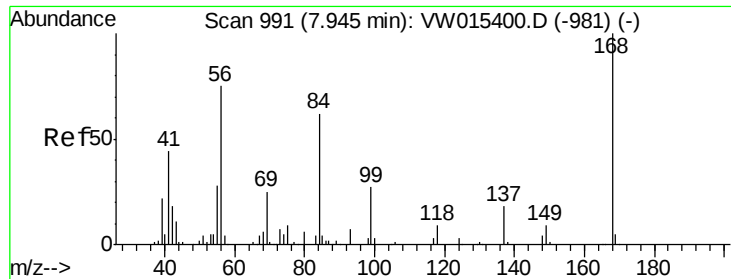
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

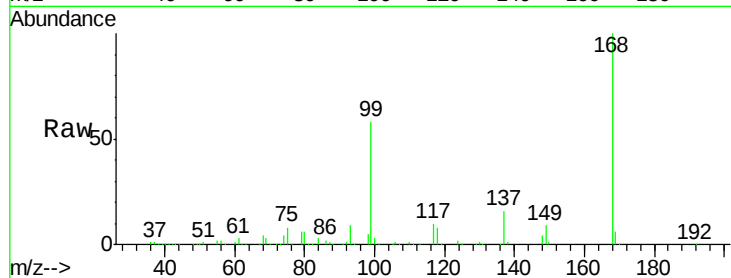
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 255418

Ion Ratio Lower Upper

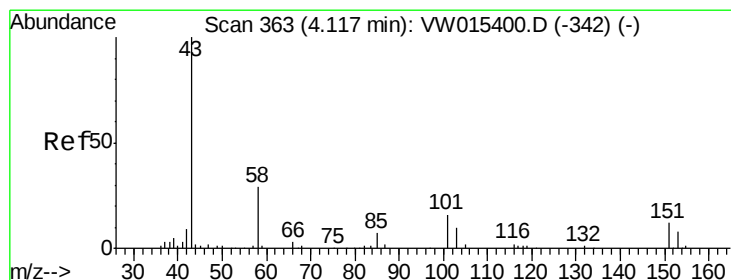
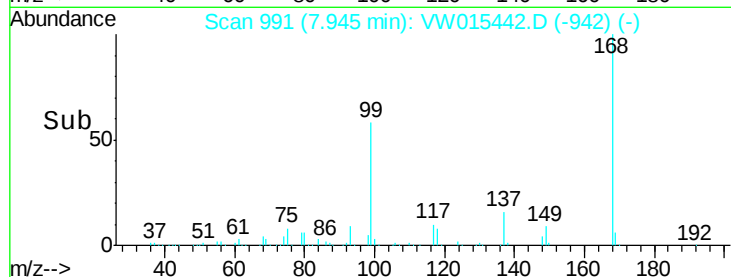
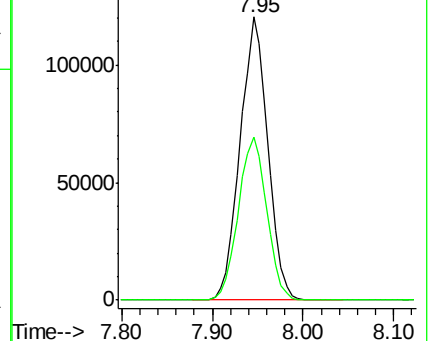
168 100

99 57.5 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 15.764 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015442.D

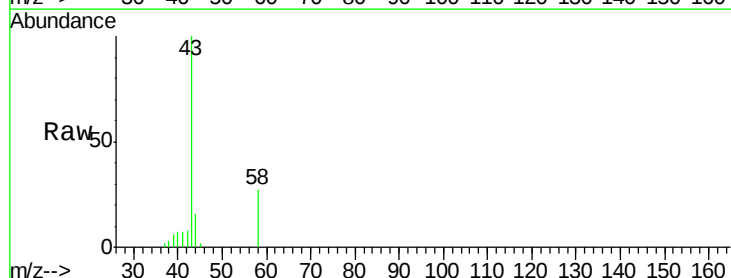
Acq: 15 May 2020 18:52

Tgt Ion: 43 Resp: 6876

Ion Ratio Lower Upper

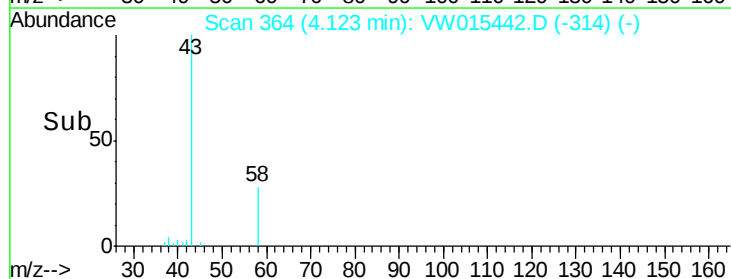
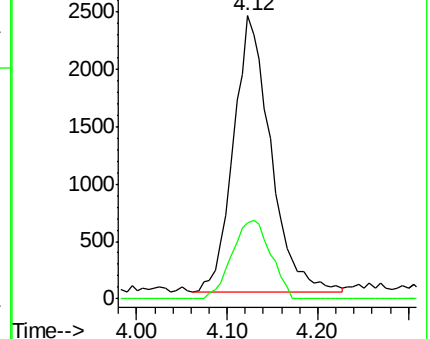
43 100

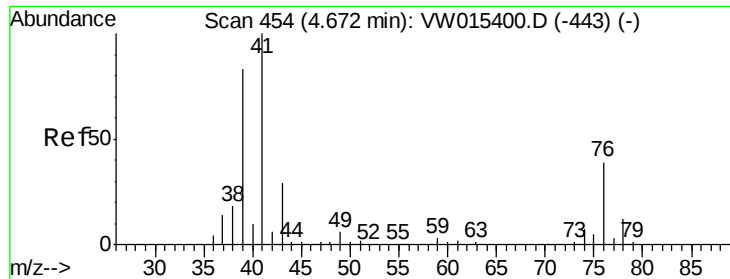
58 27.5 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

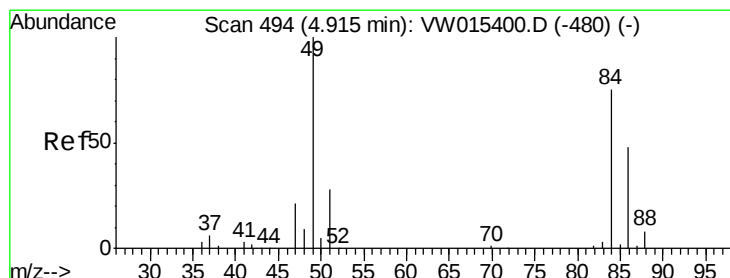
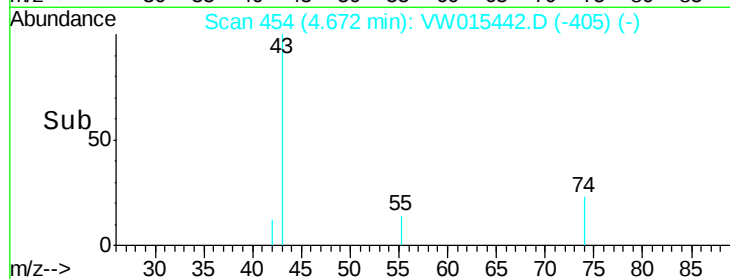
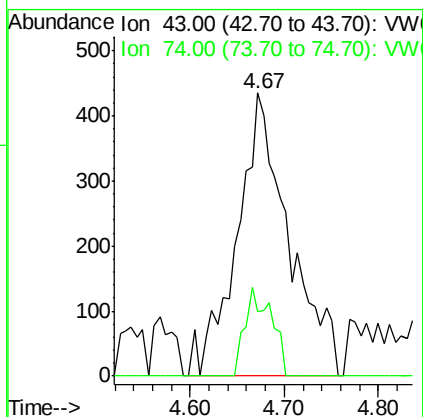
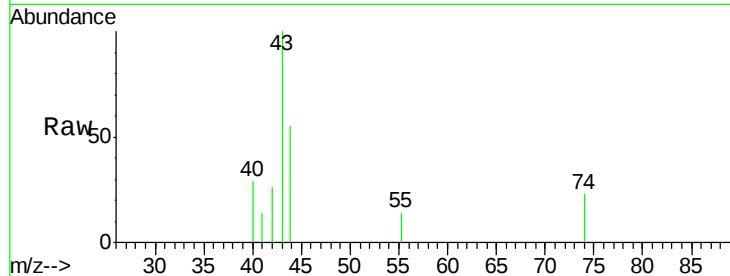




#18
Methyl Acetate
Concen: 1.450 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

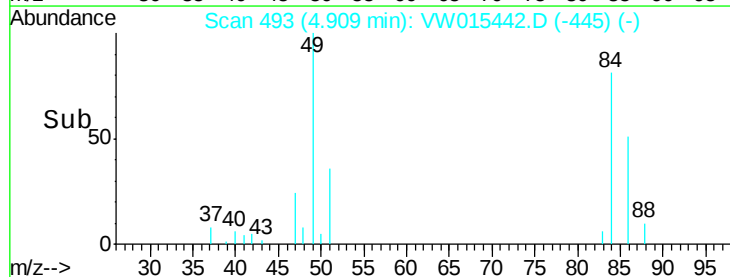
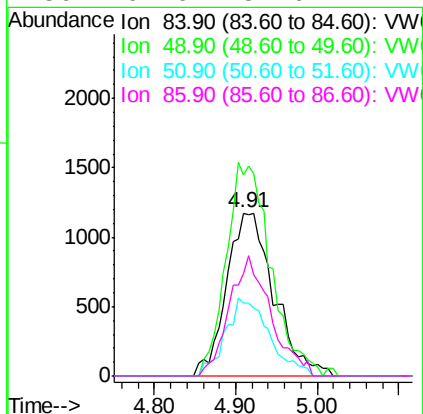
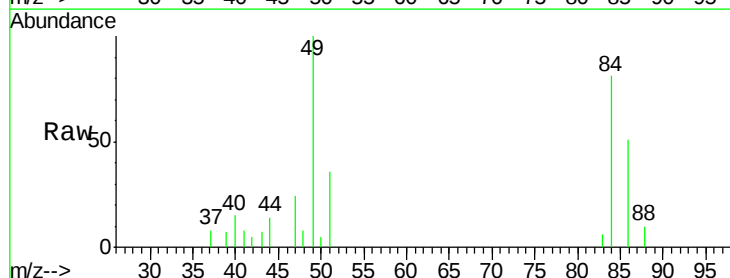
Instrument :
MSVOA_W
ClientSampled :

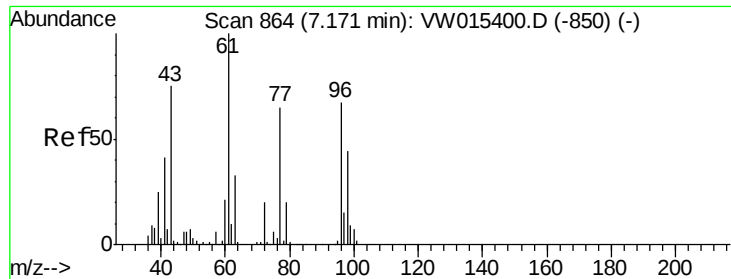
Tot Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
74 16.0 18.7 28.1#



#20
Methylene Chloride
Concen: 1.666 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Tgt Ion: 84 Resp: 4740
Ion Ratio Lower Upper
84 100
49 123.8 106.4 159.6
51 45.1 30.2 45.2
86 62.6 51.6 77.4





#25

2-Butanone

Concen: 1.864 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

Instrument :

MSVOA_W

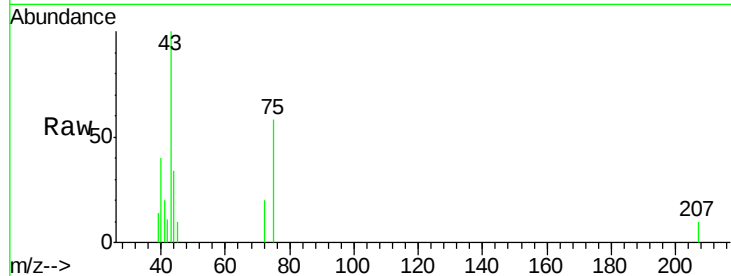
ClientSampleId :

Tot Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

72 24.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.20

600

500

400

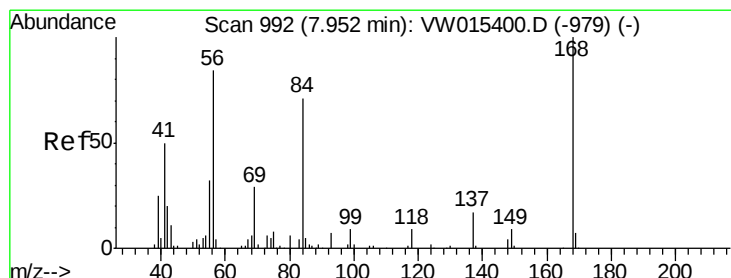
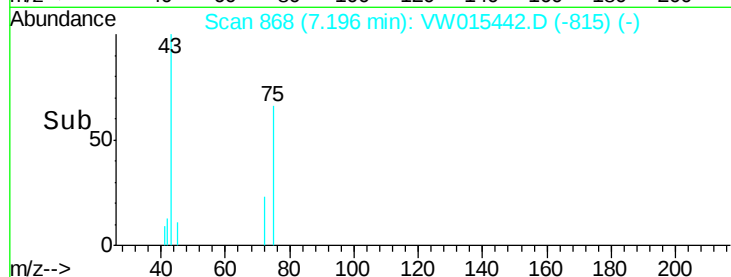
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

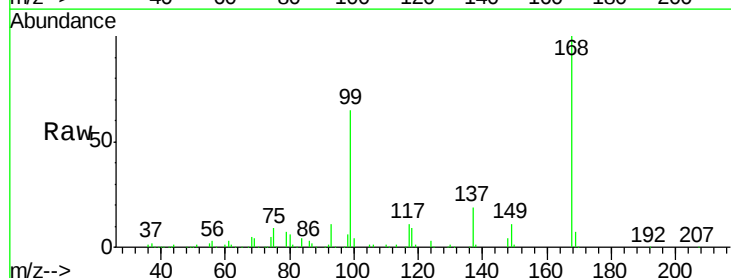
Tgt Ion: 56 Resp: 5941

Ion Ratio Lower Upper

56 100

69 156.7 27.2 40.8#

84 143.6 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

5000

4000

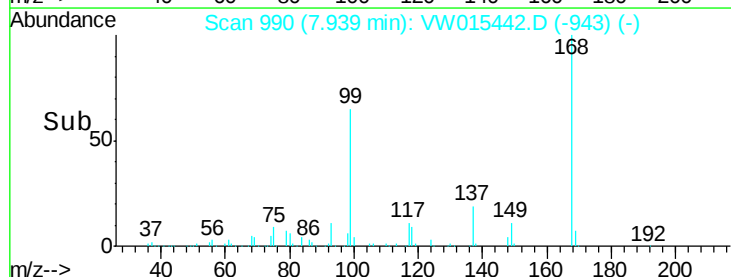
3000

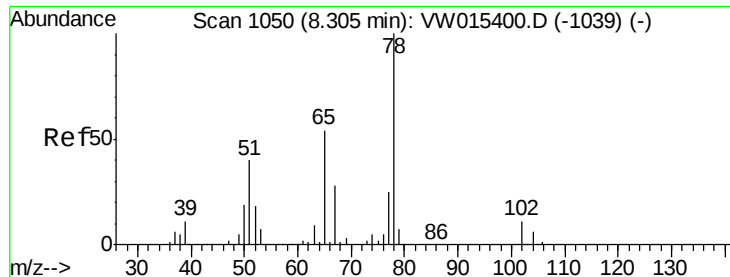
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.547 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

Instrument :

MSVOA_W

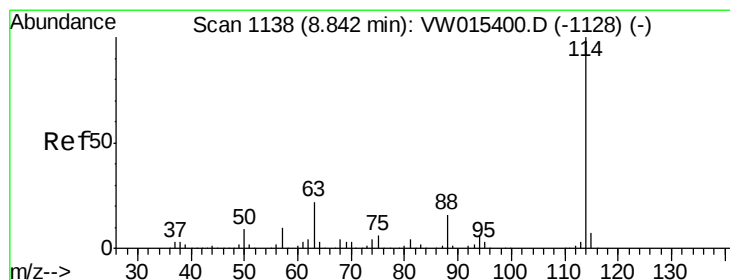
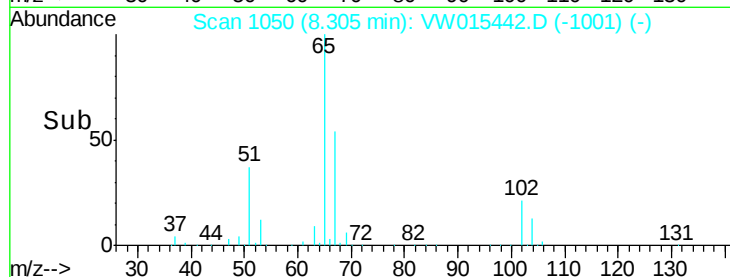
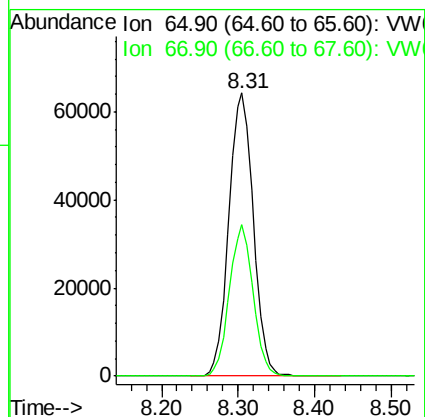
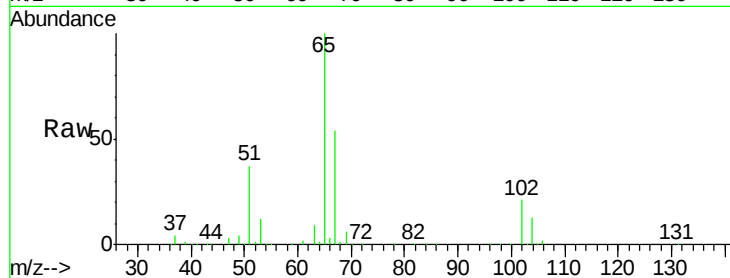
ClientSampleId :

Tot Ion: 65 Resp: 141920

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

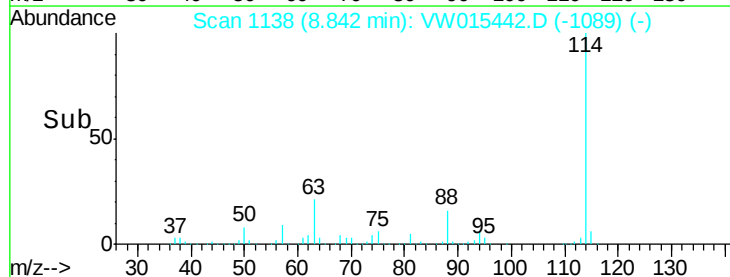
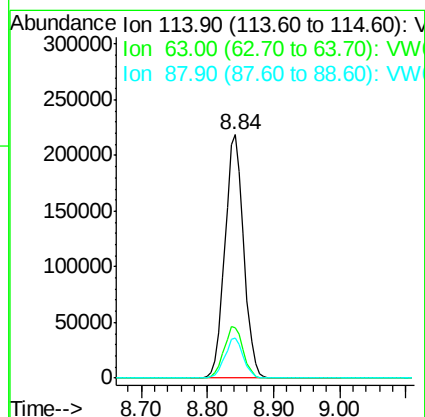
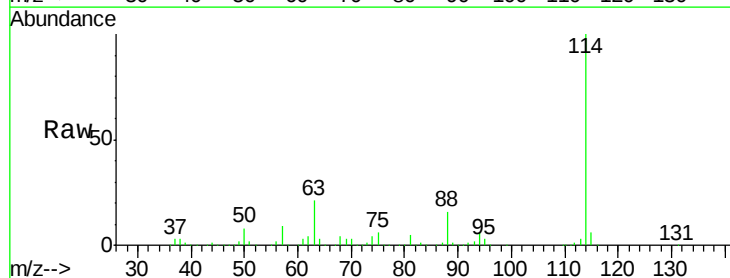
Tgt Ion: 114 Resp: 429787

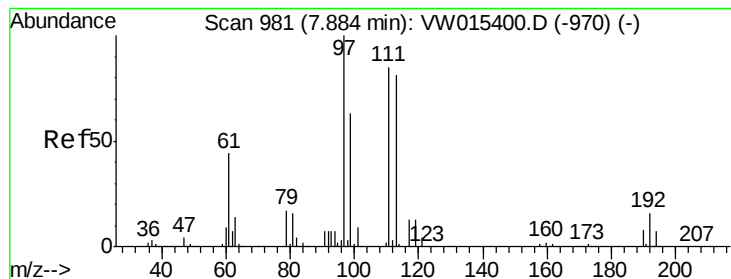
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 16.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.658 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

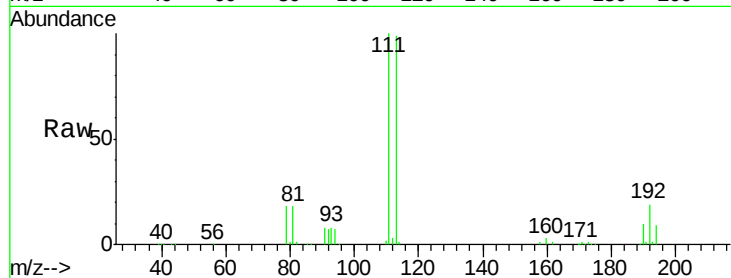
Tot Ion:113 Resp: 127431

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

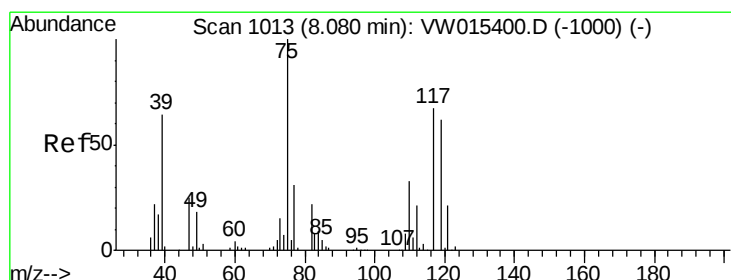
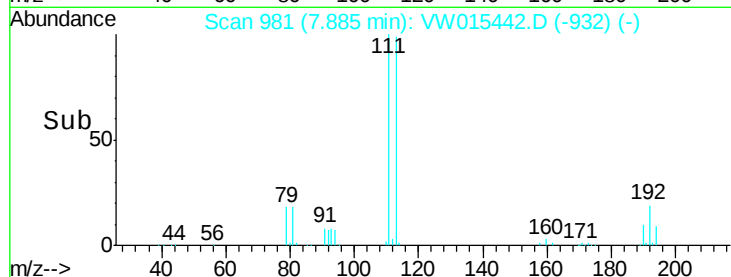
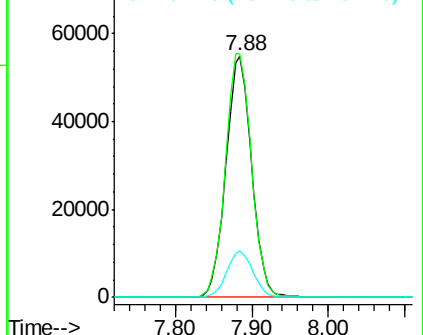
192 19.4 15.4 23.0



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: 4.840 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015442.D

Acq: 15 May 2020 18:52

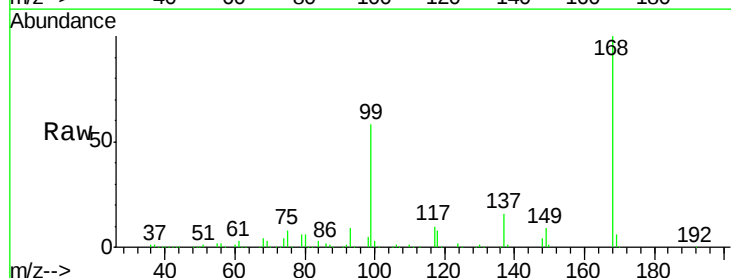
Tgt Ion: 75 Resp: 20436

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

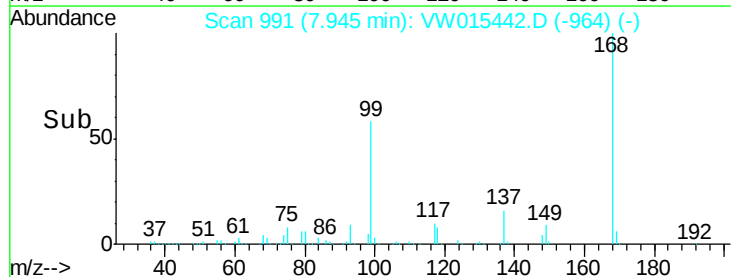
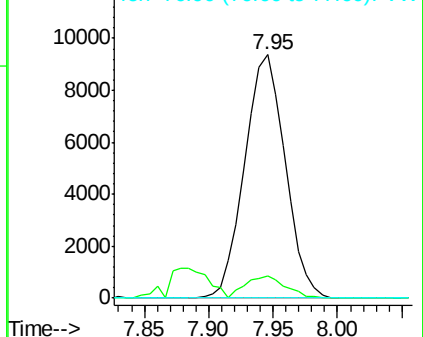
77 0.0 24.5 36.7#

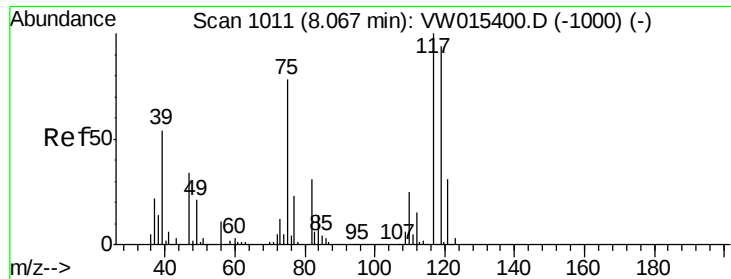


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

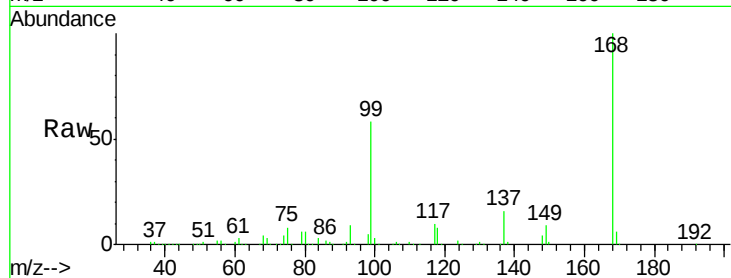




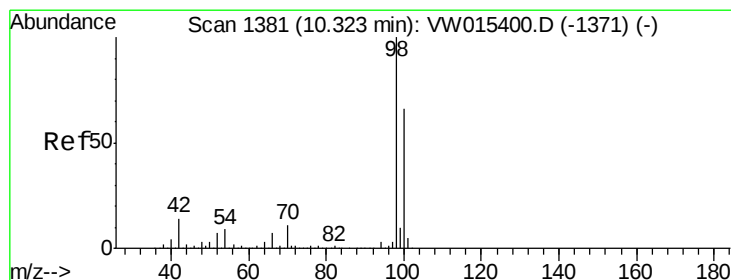
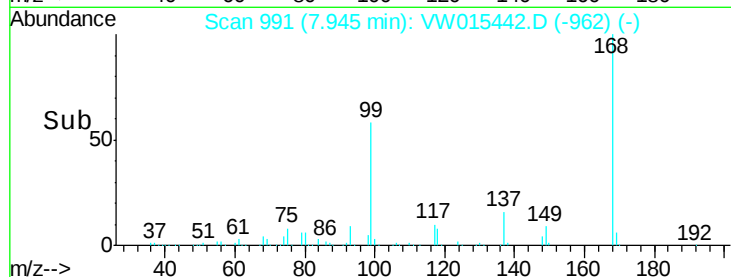
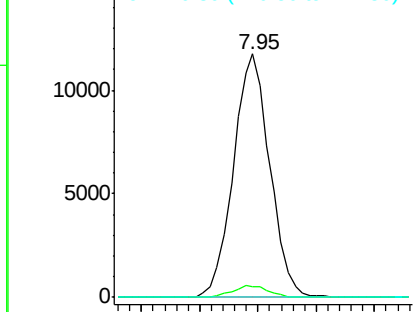
#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 25395
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 24.8 37.2#

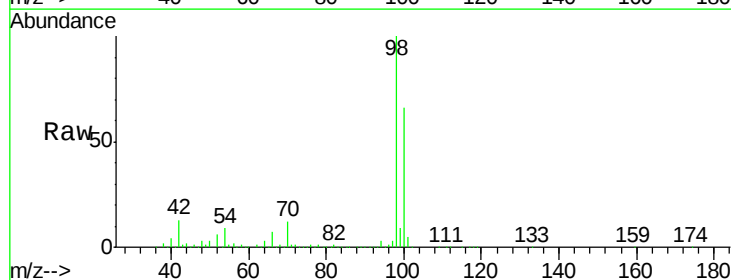


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

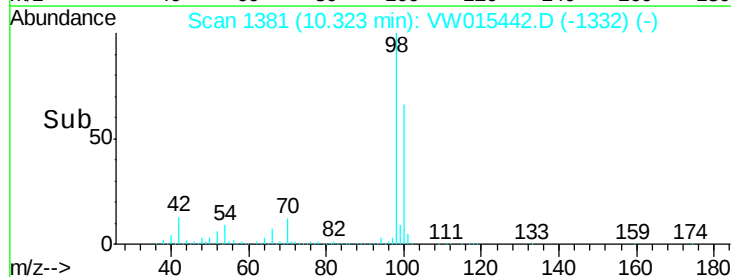
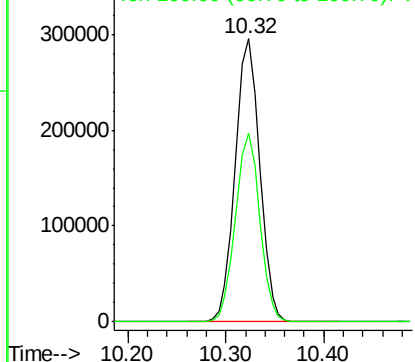


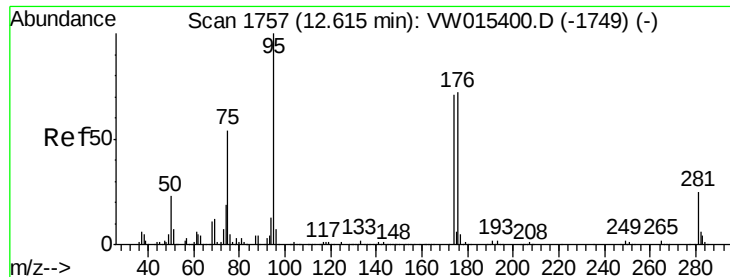
#50
Toluene-d8
Concen: 50.730 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Tgt Ion: 98 Resp: 517874
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

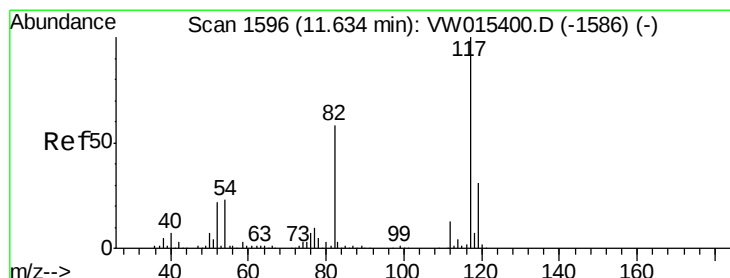
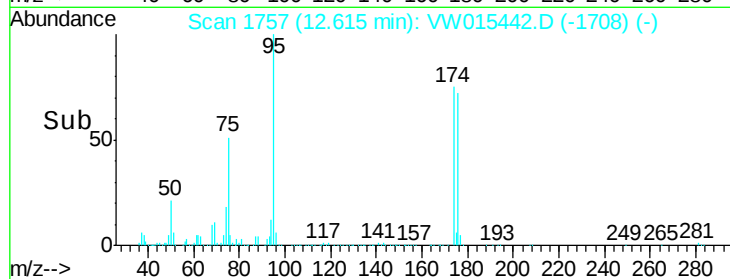
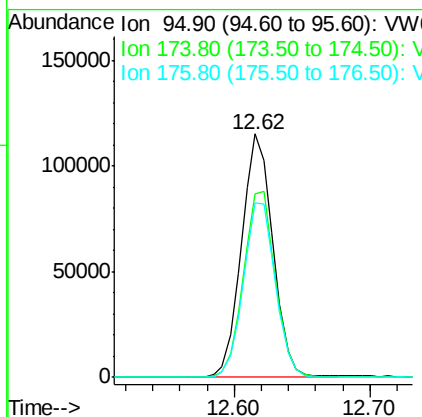
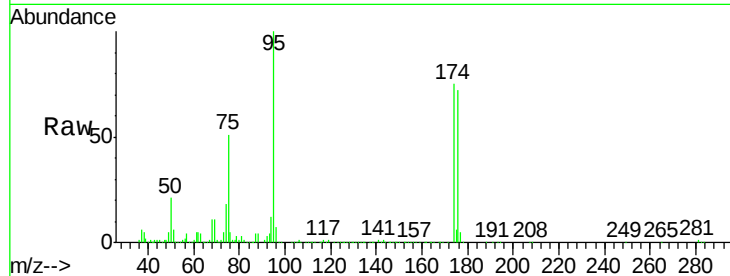




#62
4-Bromofluorobenzene
Concen: 48.726 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

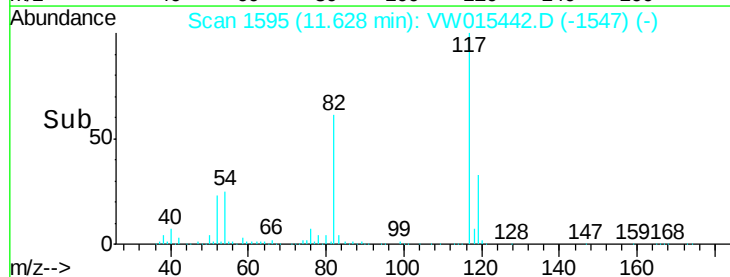
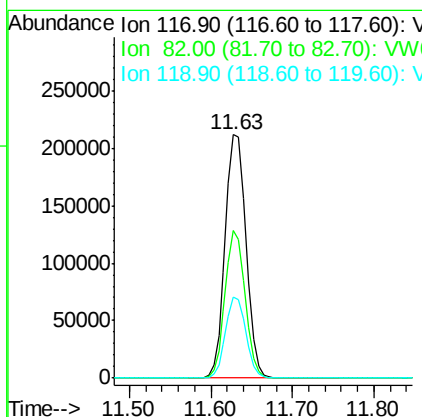
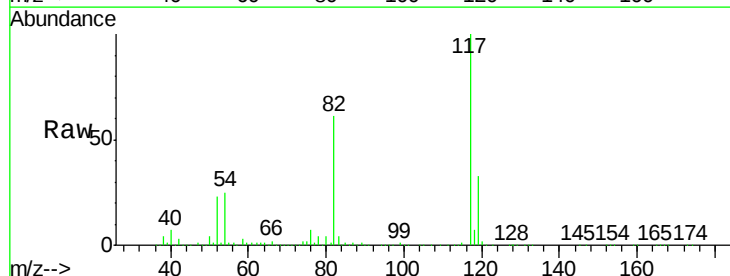
Instrument :
MSVOA_W
ClientSampleId :

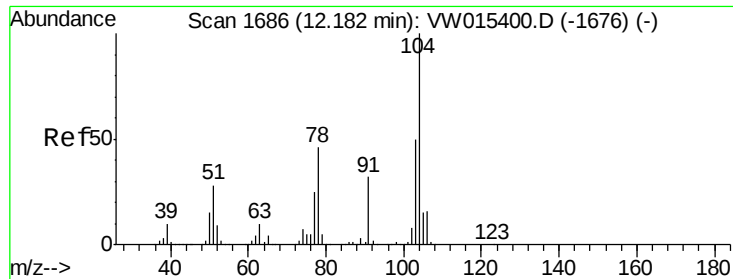
Tot Ion	95	Resp	183677
Ion Ratio	Lower	Upper	
95	100		
174	78.5	0.0	147.6
176	73.8	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Tgt Ion	117	Resp	374293
Ion Ratio	Lower	Upper	
117	100		
82	60.5	46.4	69.6
119	33.3	24.6	37.0

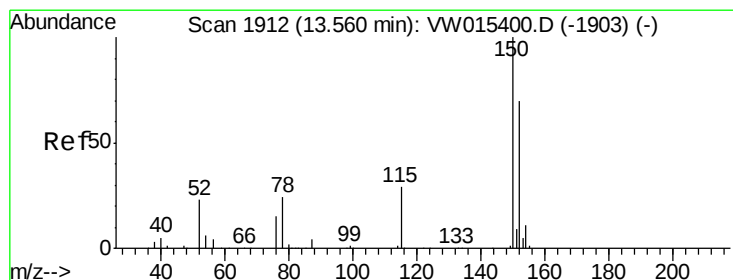
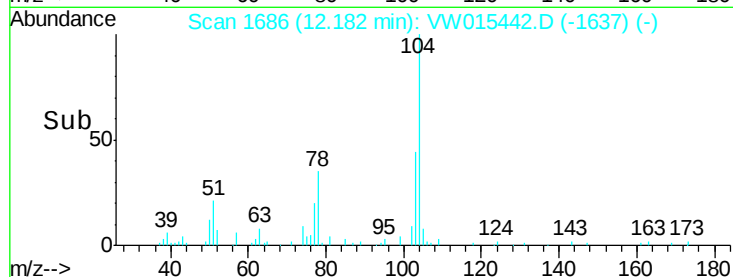
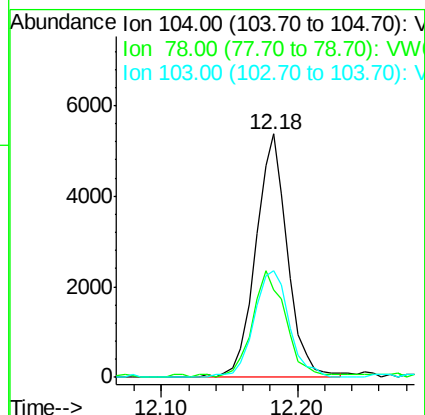
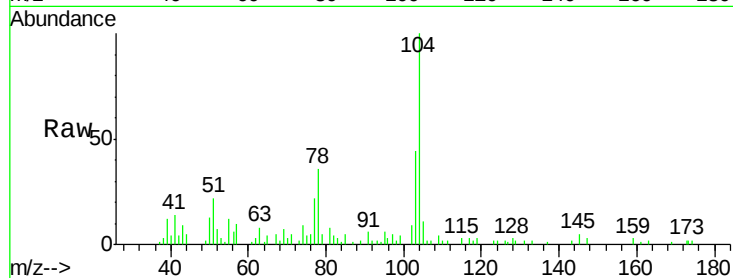




#70
Stvrene
Concen: 1.033 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

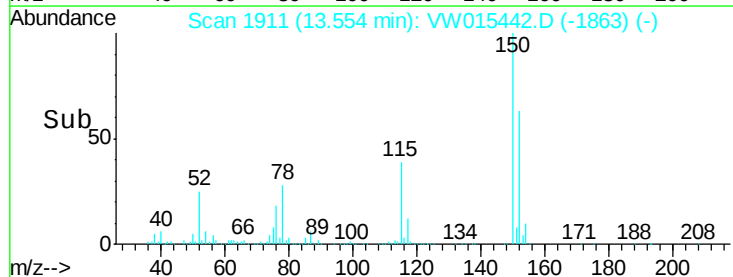
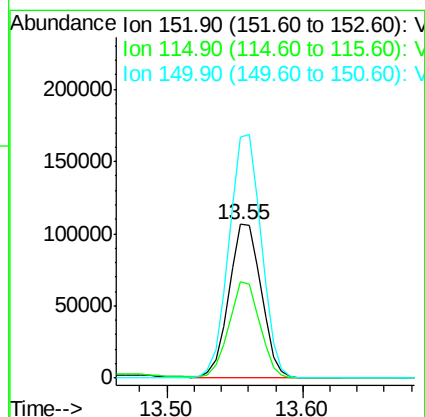
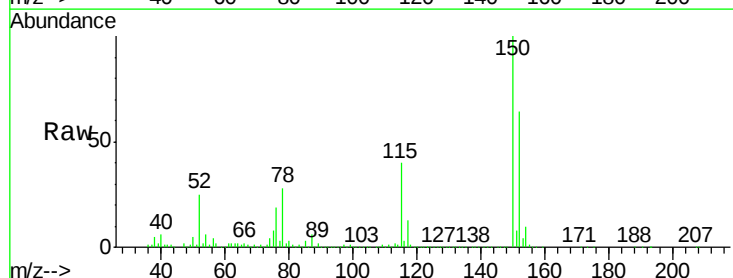
Instrument :
MSVOA_W
ClientSampleId :

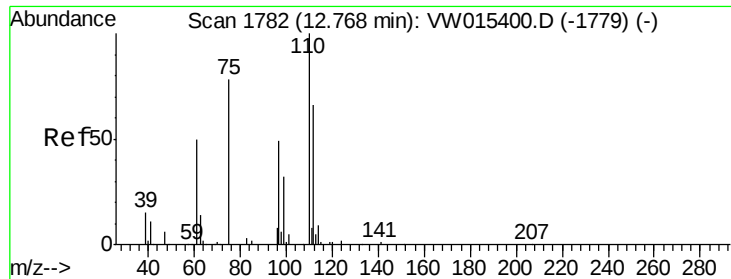
Tot Ion:104 Resp: 8778
Ion Ratio Lower Upper
104 100
78 46.3 41.8 62.8
103 48.6 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Tgt Ion:152 Resp: 175900
Ion Ratio Lower Upper
152 100
115 60.3 30.3 90.8
150 158.4 0.0 344.4

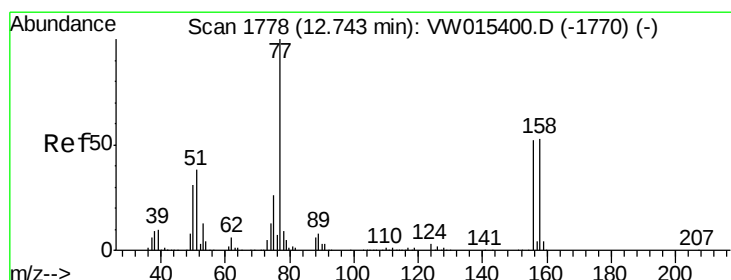
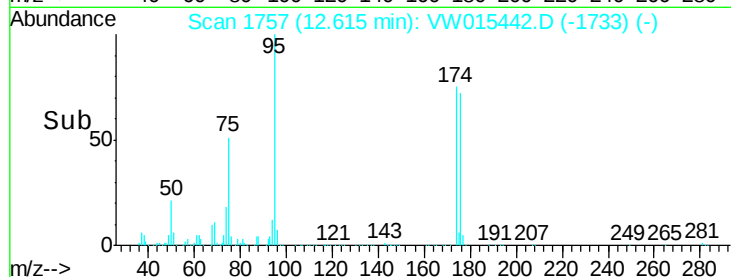
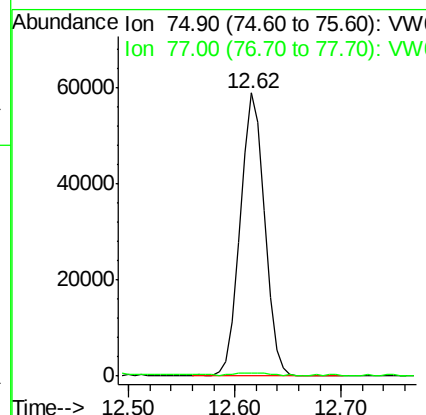
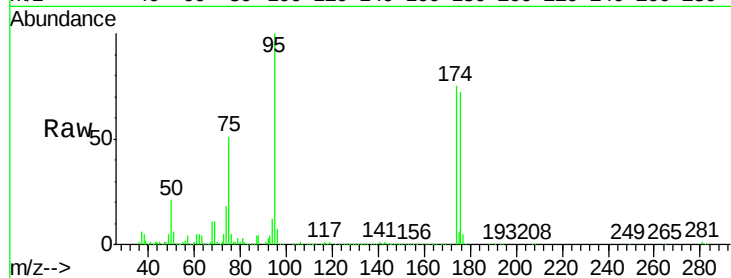




#76
 1,2,3-Trichloropropane
 Concen: 65.750 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015442.D
 Acq: 15 May 2020 18:52

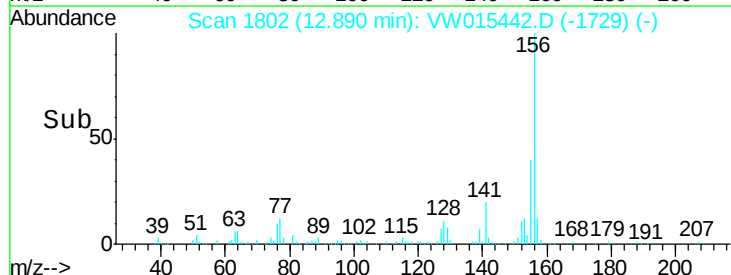
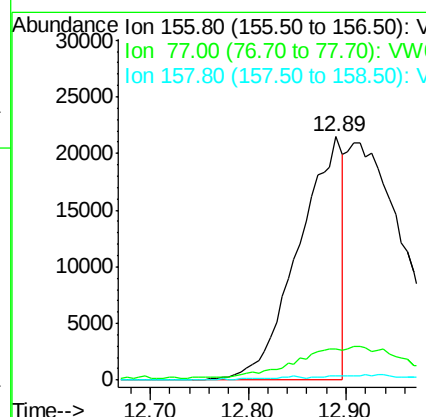
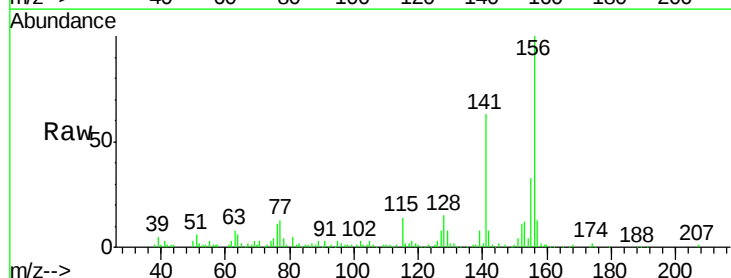
Instrument :
 MSVOA_W
 ClientSampleId :

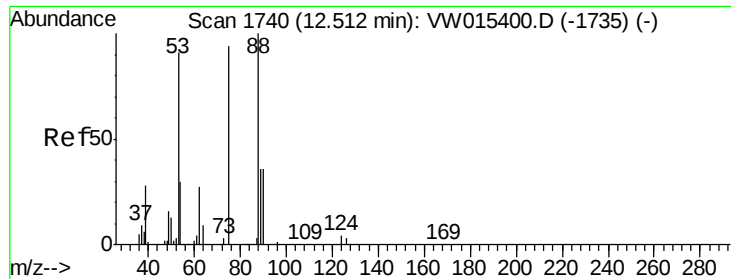
Tot Ion: 75 Resp: 95142
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 24.070 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.15 min
 Lab File: VW015442.D
 Acq: 15 May 2020 18:52

Tgt Ion: 156 Resp: 66987
 Ion Ratio Lower Upper
 156 100
 77 13.3 101.8 305.6#
 158 0.9 48.3 144.8#

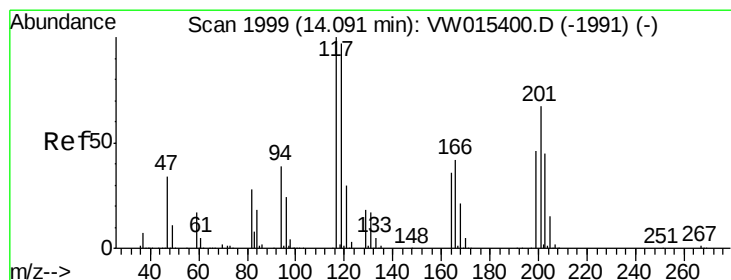
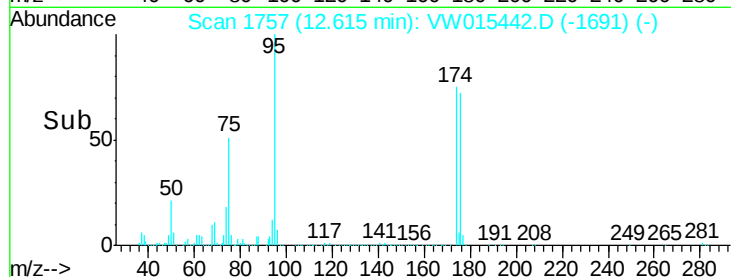
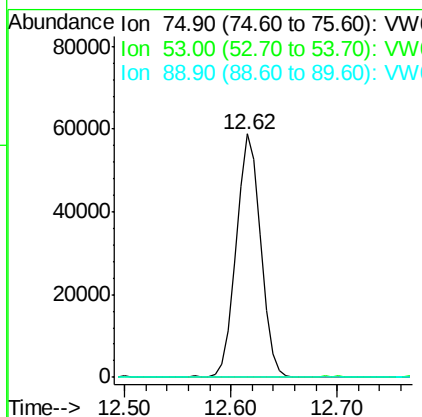
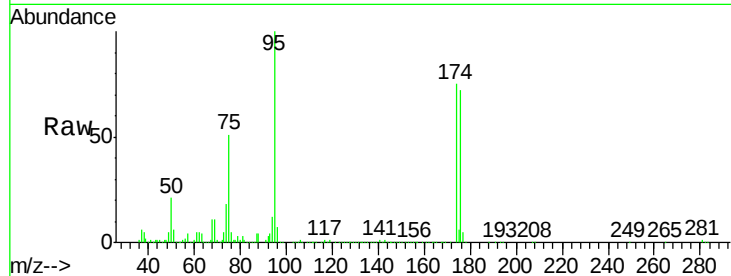




#81
trans-1,4-Dichloro-2-butene
Concen: 130.054 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

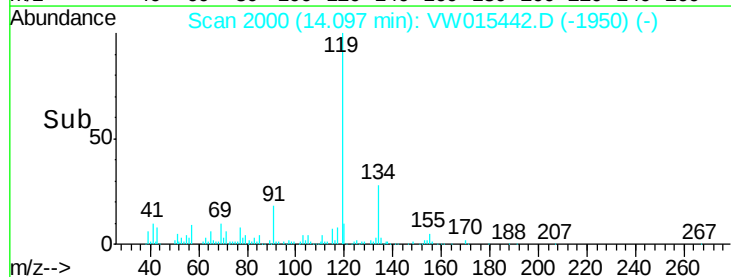
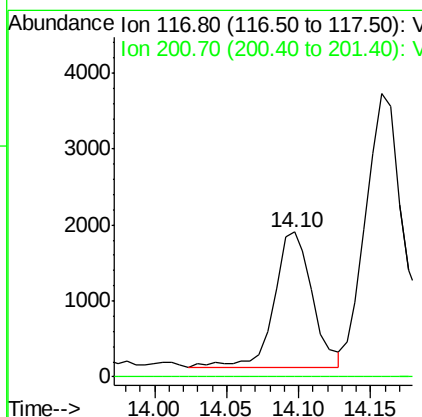
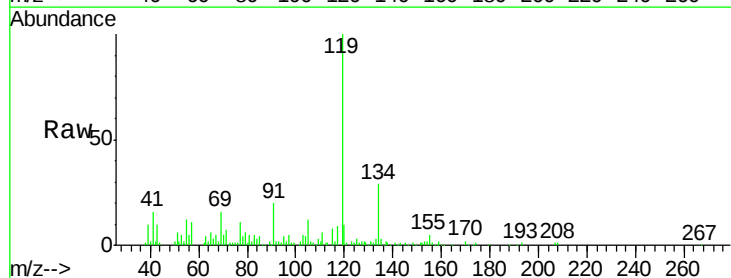
Instrument :
MSVOA_W
ClientSampleId :

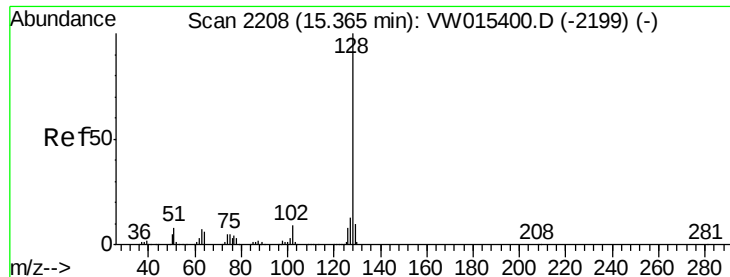
Tot Ion: 75 Resp: 95142
Ion Ratio Lower Upper
75 100
53 0.2 82.5 123.7#
89 0.0 35.8 53.8#



#90
Hexachloroethane
Concen: 1.476 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Tgt Ion: 117 Resp: 3299
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#

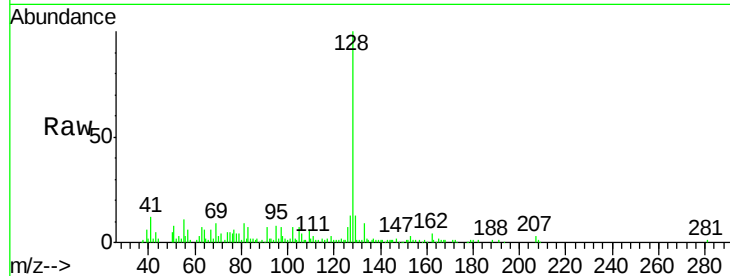




#95
Naphthalene
Concen: 5.584 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015442.D
Acq: 15 May 2020 18:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	9.4	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

