

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015286.D
 Acq On : 22 Apr 2020 02:20
 Operator : SY/VA
 Sample : L2314-14
 Misc : 2.86G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	298575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117070	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	80451	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
35) Dibromofluoromethane	7.88	113	84178	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.32	98	359119	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.62	95	116532	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

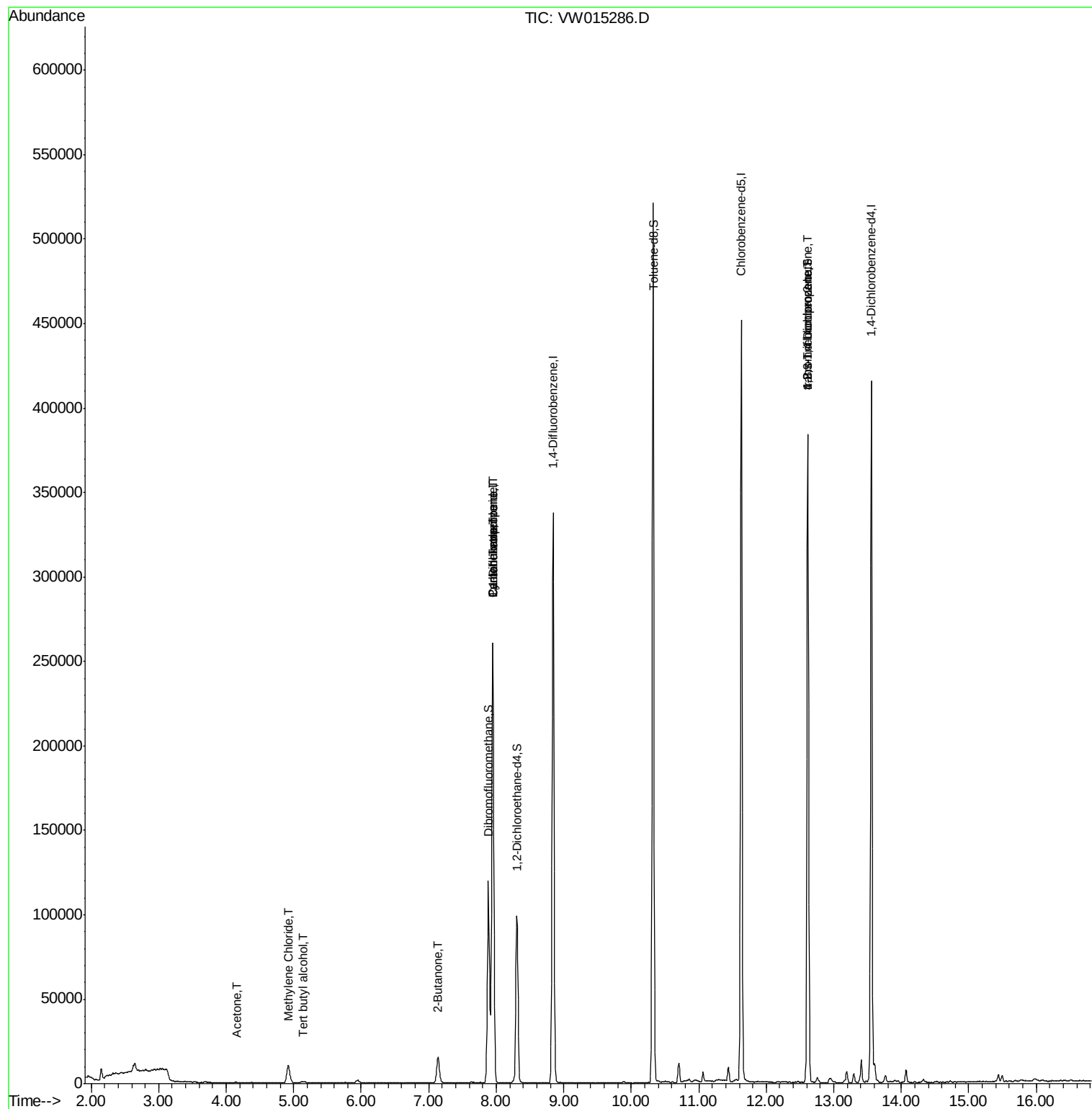
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	632	4.266	ug/l #	91
16) Acetone	4.15	43	649	2.045	ug/l #	41
20) Methylene Chloride	4.92	84	8720	4.192	ug/l	93
25) 2-Butanone	7.13	43	1310	3.111	ug/l #	48
31) Cyclohexane	7.95	56	3808	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13850	5.139	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19154	6.504	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	58809	64.935	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58809	141.948	ug/l #	15

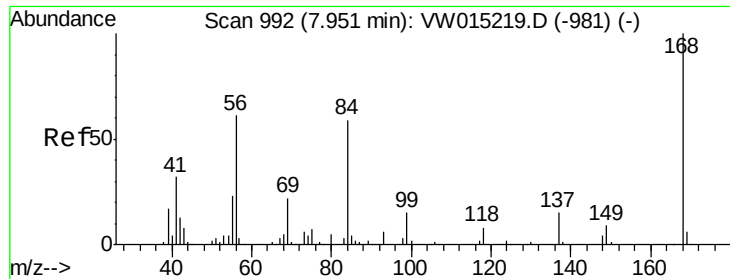
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

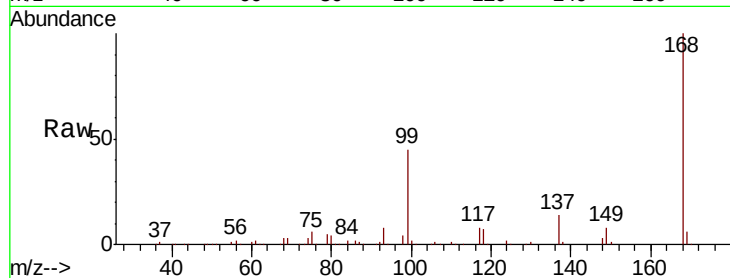
ClientSampled :

Tot Ion:168 Resp: 222244

Ion Ratio Lower Upper

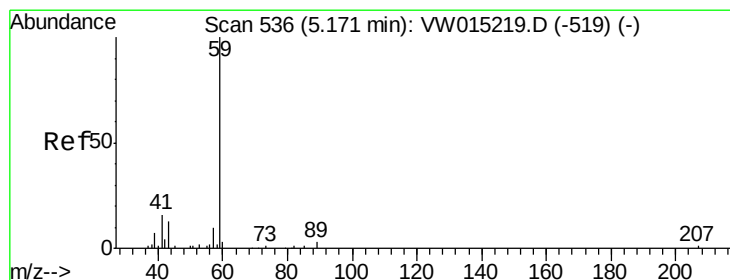
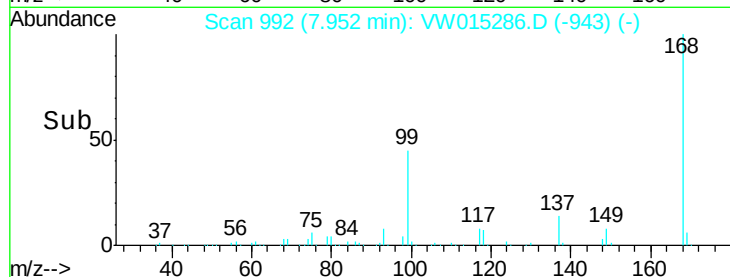
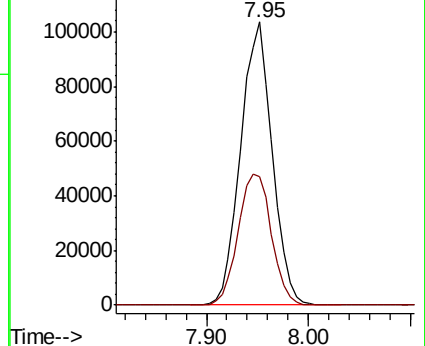
168 100

99 45.2 48.5 72.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.266 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015286.D

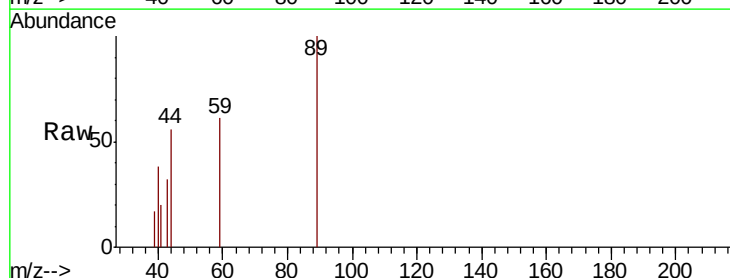
Acq: 22 Apr 2020 02:20

Tgt Ion: 59 Resp: 632

Ion Ratio Lower Upper

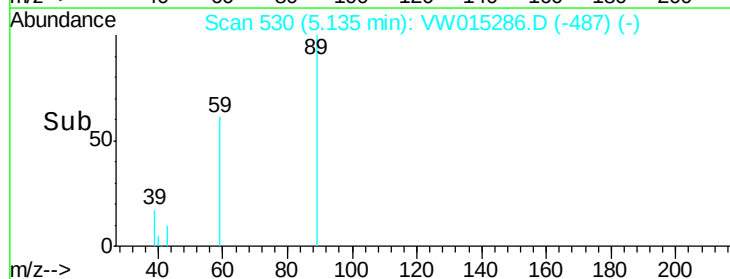
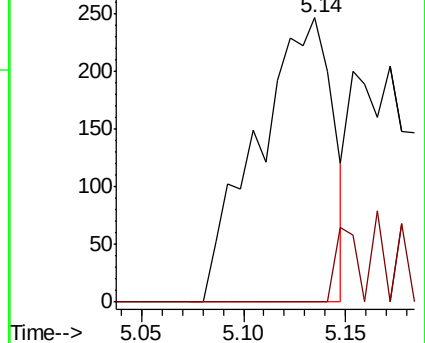
59 100

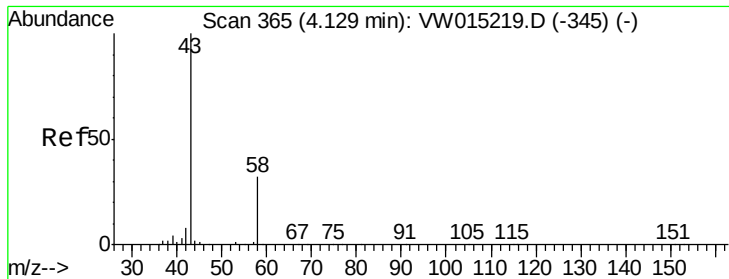
57 7.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.045 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

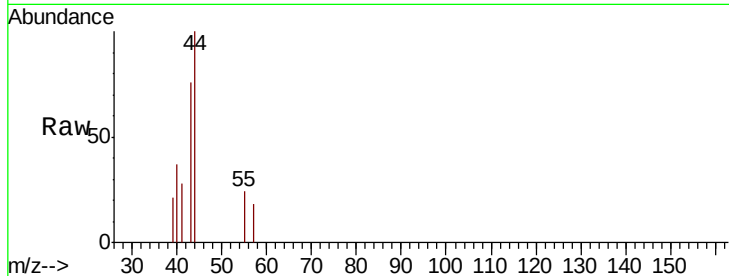
ClientSampled :

Tot Ion: 43 Resp: 649

Ion Ratio Lower Upper

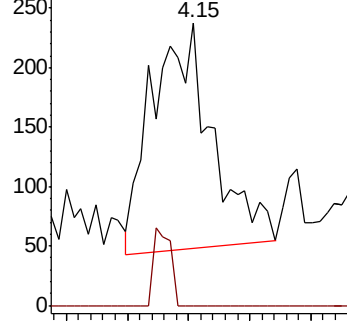
43 100

58 0.0 27.0 40.4#

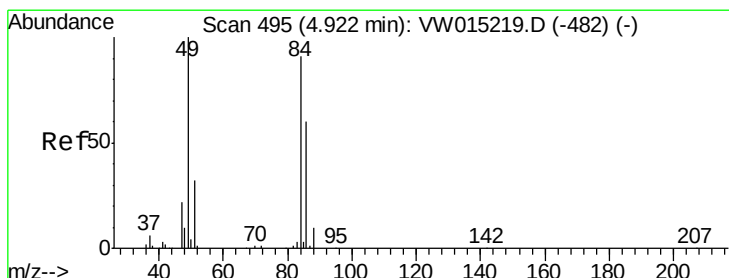
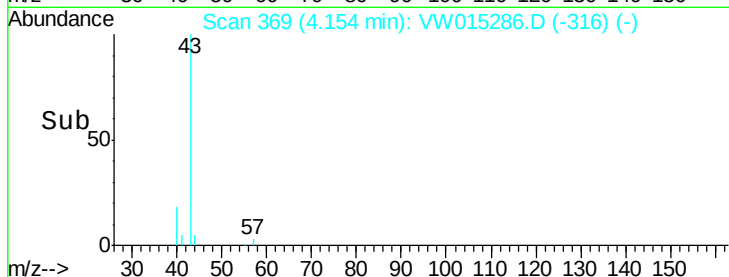


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: 4.192 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Tgt Ion: 84 Resp: 8720

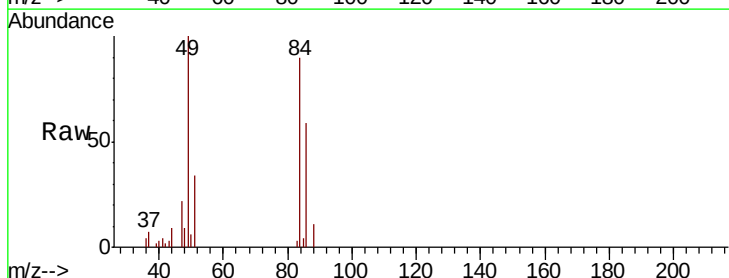
Ion Ratio Lower Upper

84 100

49 110.7 95.4 143.0

51 38.0 29.8 44.8

86 65.8 47.4 71.0

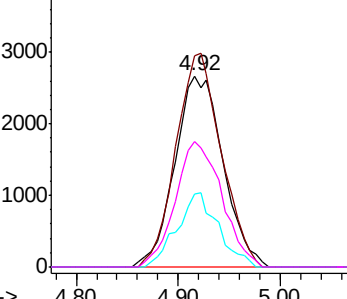


Abundance Ion 83.90 (83.60 to 84.60): VW

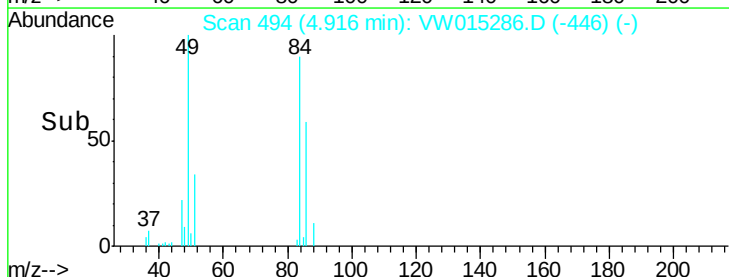
Ion 48.90 (48.60 to 49.60): VW

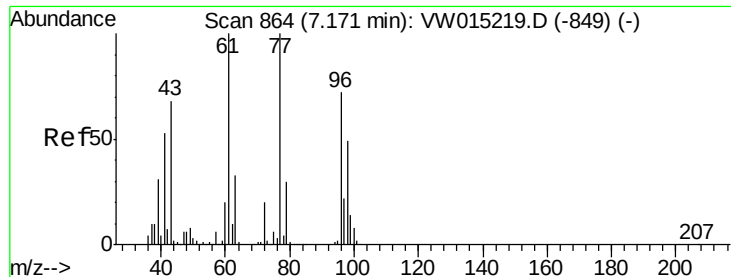
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->





#25

2-Butanone

Concen: 3.111 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

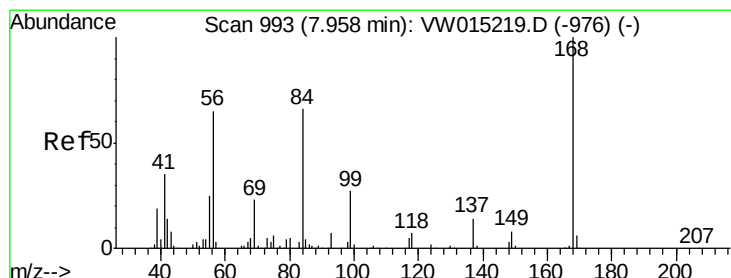
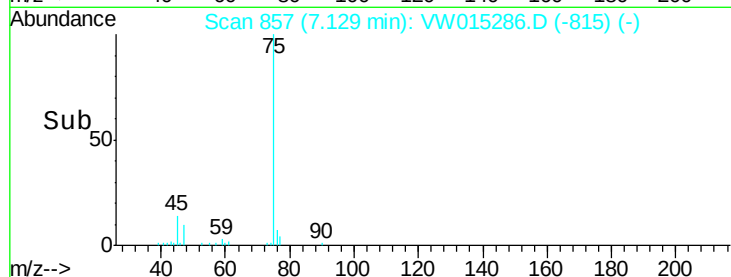
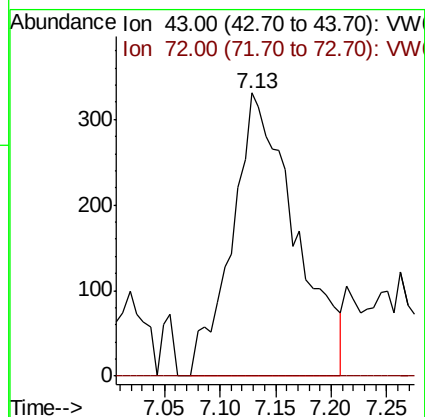
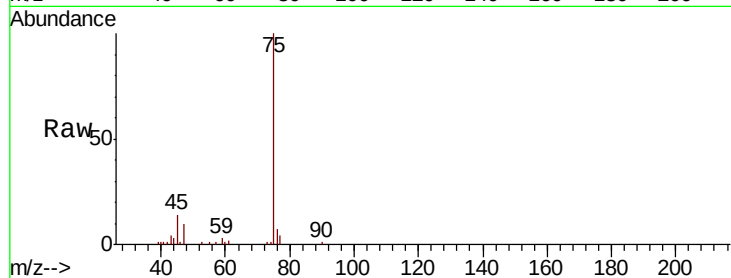
ClientSampleId :

Tot Ion: 43 Resp: 1310

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

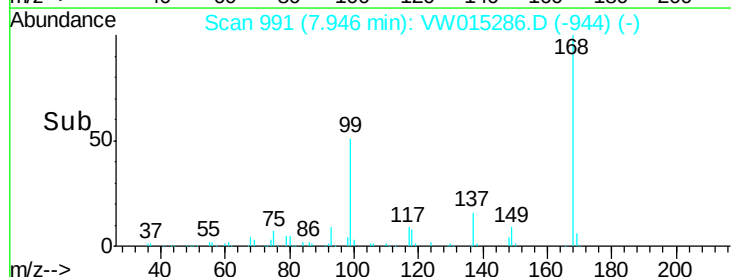
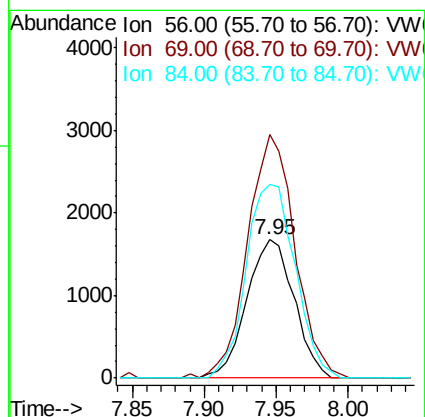
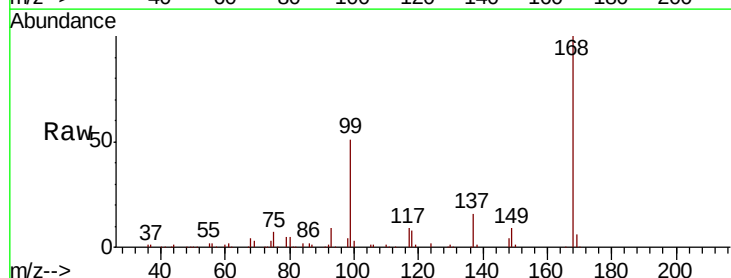
Tgt Ion: 56 Resp: 3808

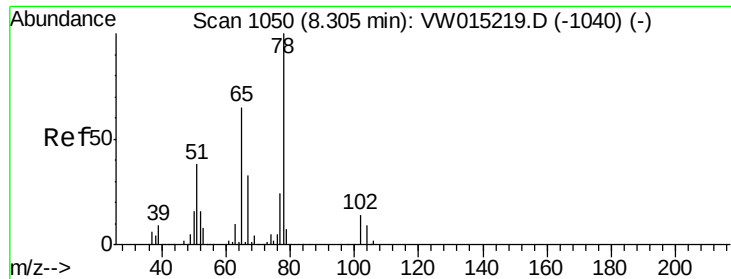
Ion Ratio Lower Upper

56 100

69 172.6 27.1 40.7#

84 139.7 71.9 107.9#

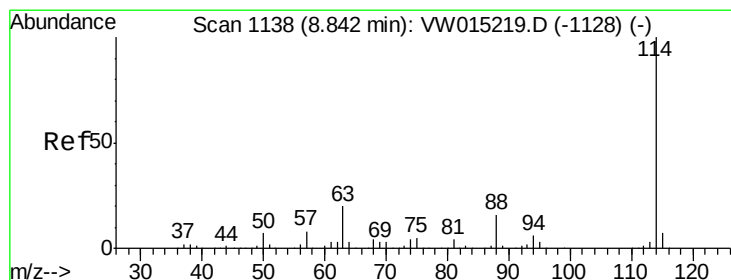
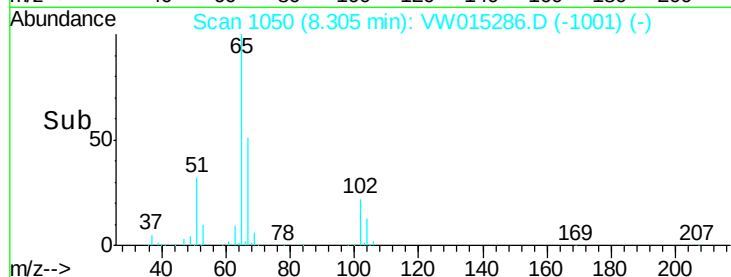
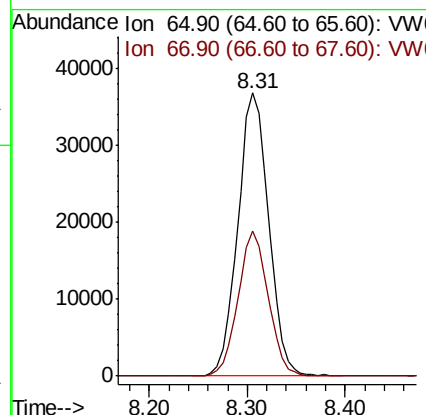
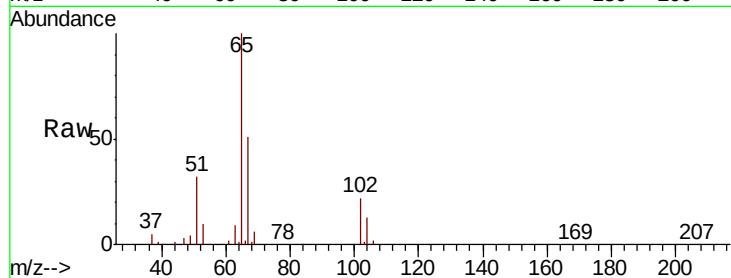




#33
 1,2-Dichloroethane-d4
 Concen: 44.267 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015286.D
 Acq: 22 Apr 2020 02:20

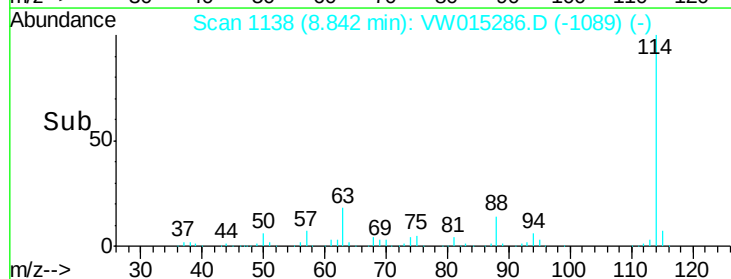
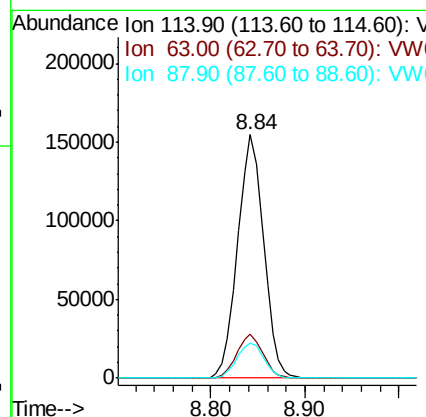
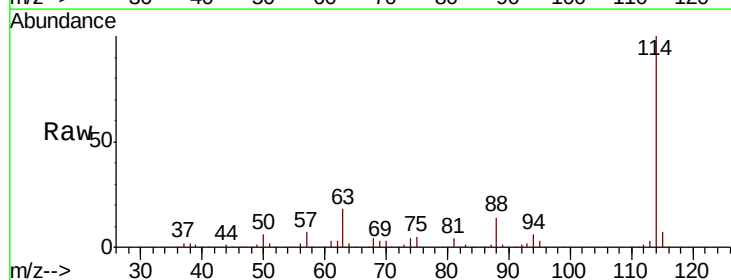
Instrument :
 MSVOA_W
 ClientSampleId :

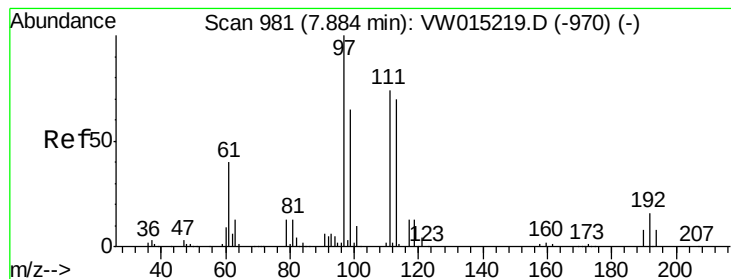
Tot Ion: 65 Resp: 80451
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015286.D
 Acq: 22 Apr 2020 02:20

Tgt Ion: 114 Resp: 298575
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.8
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.898 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

ClientSampleId :

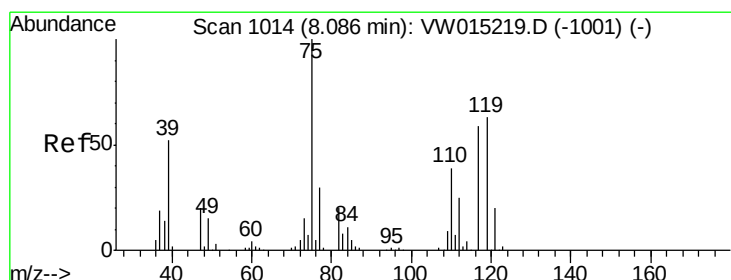
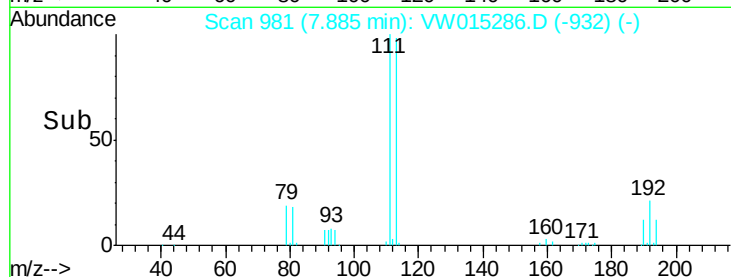
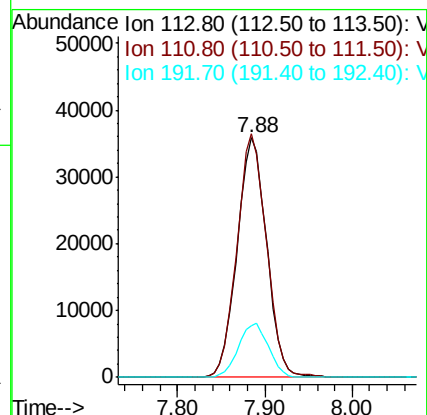
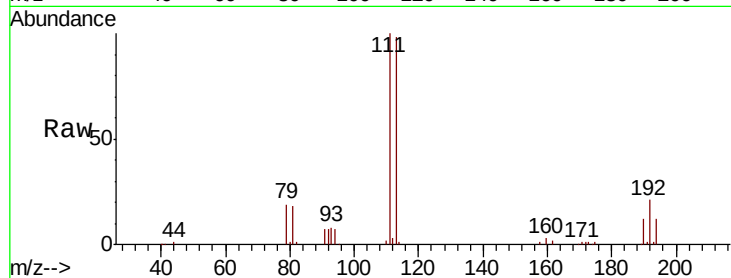
Tot Ion:113 Resp: 84178

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

192 22.9 15.1 22.7#



#36

1,1-Dichloropropene

Concen: 5.139 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

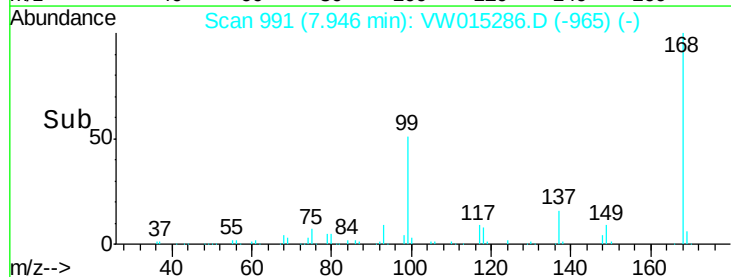
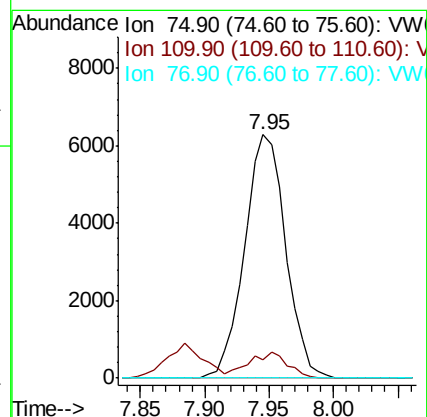
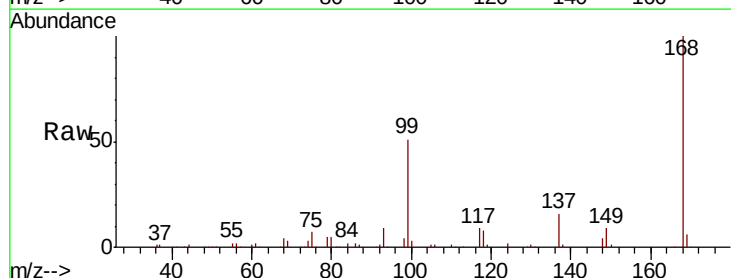
Tgt Ion: 75 Resp: 13850

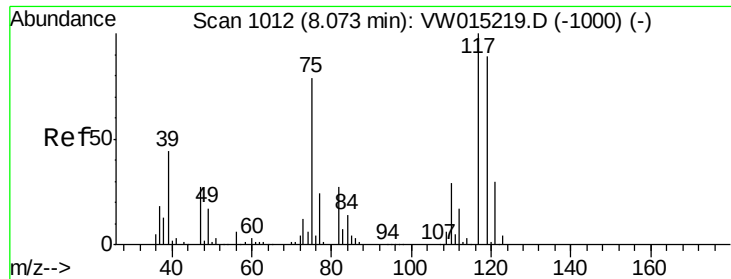
Ion Ratio Lower Upper

75 100

110 10.3 18.2 54.6#

77 0.0 24.5 36.7#

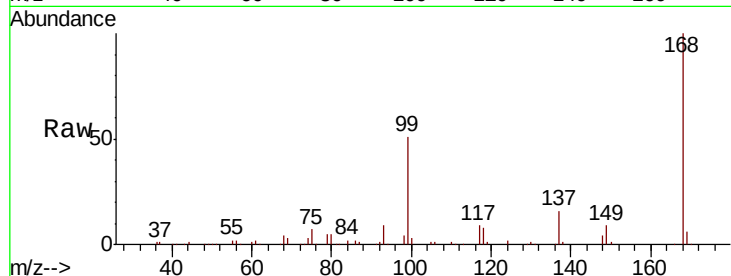




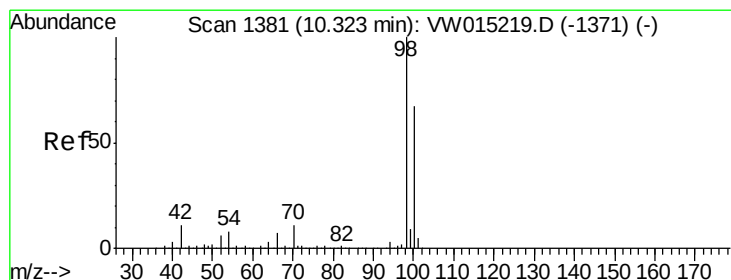
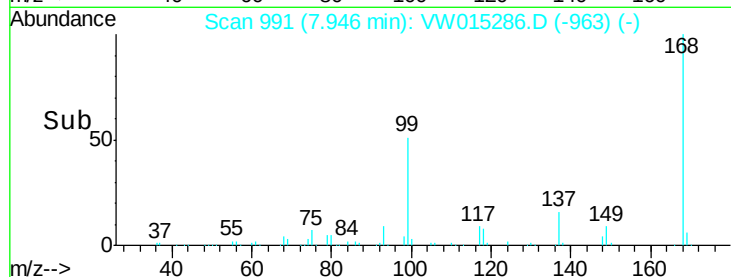
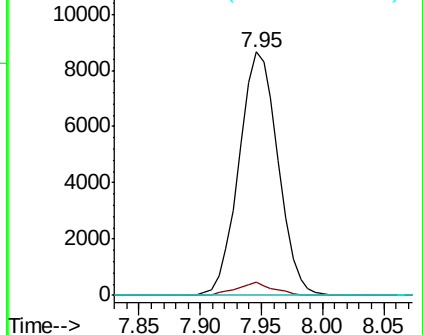
#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW015286.D
Acq: 22 Apr 2020 02:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 19154
Ion Ratio Lower Upper
117 100
119 5.7 72.3 108.5#
121 0.0 23.7 35.5#

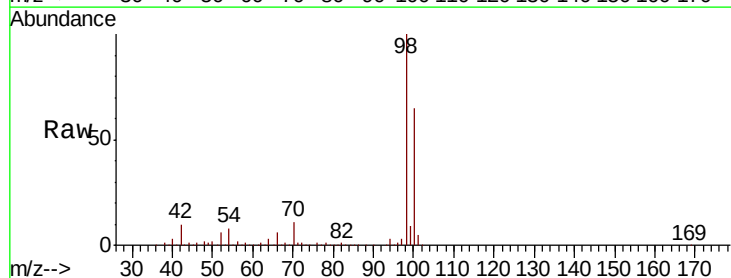


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

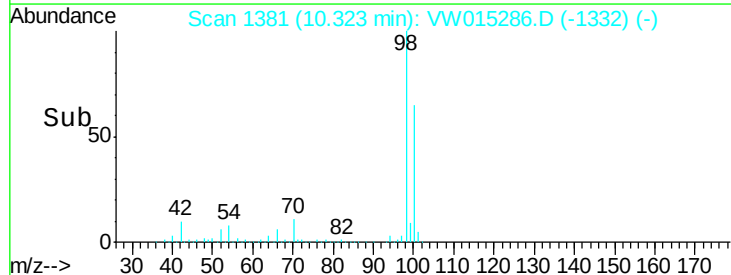
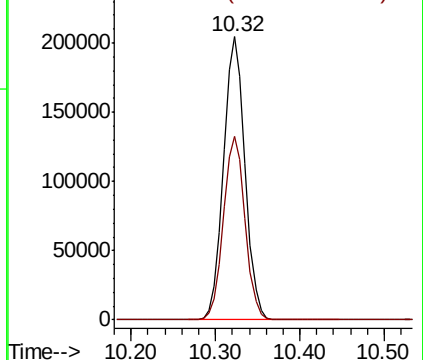


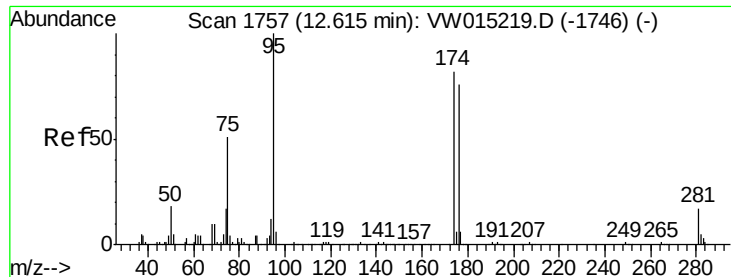
#50
Toluene-d8
Concen: 51.618 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015286.D
Acq: 22 Apr 2020 02:20

Tgt Ion: 98 Resp: 359119
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



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

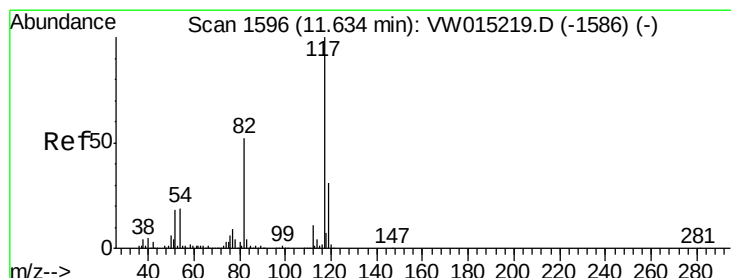
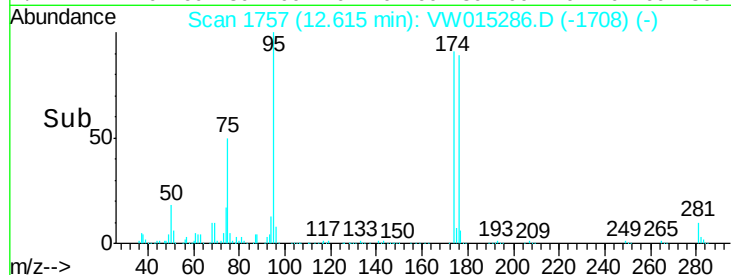
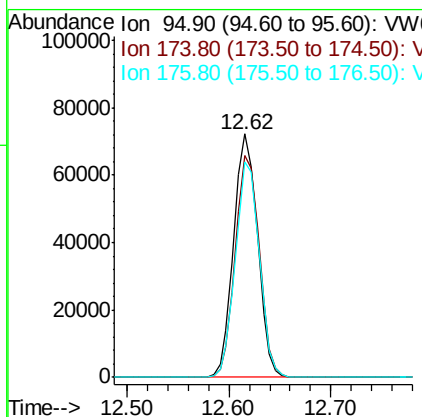
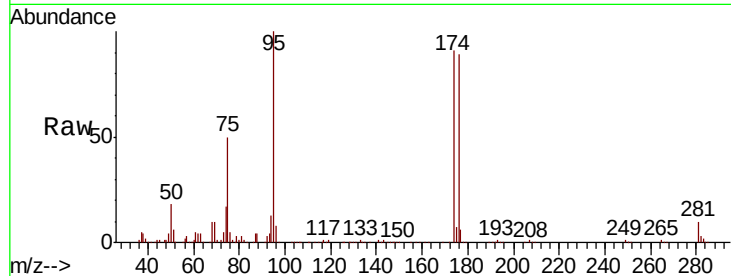




#62
4-Bromofluorobenzene
Concen: 43.899 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015286.D
Acq: 22 Apr 2020 02:20

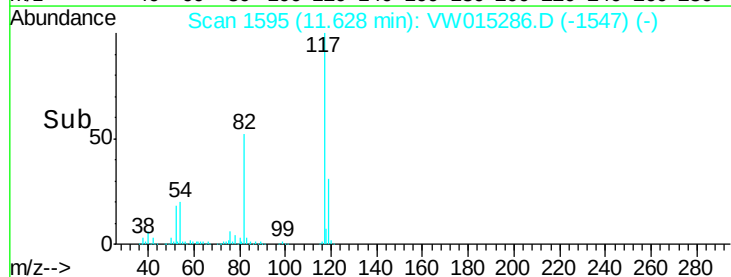
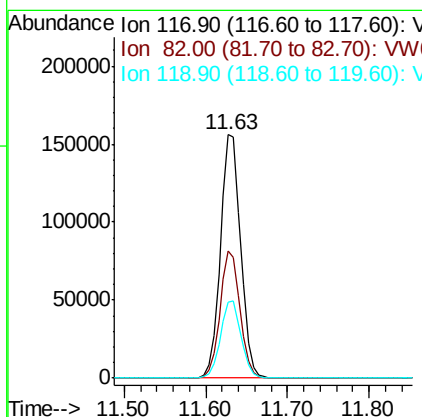
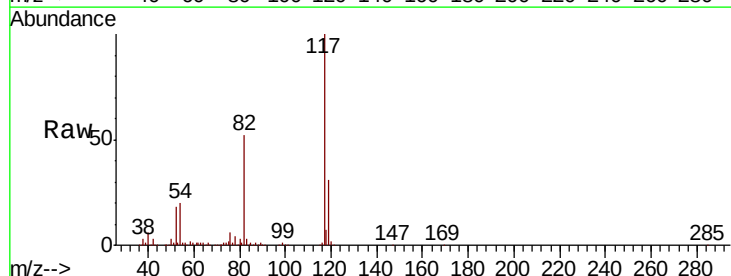
Instrument :
MSVOA_W
ClientSampleId :

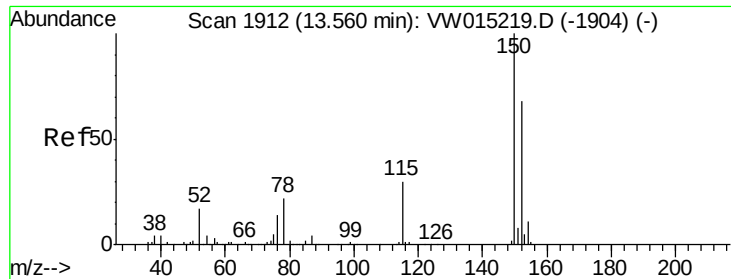
Tot Ion: 95 Resp: 116532
Ion Ratio Lower Upper
95 100
174 92.1 0.0 144.4
176 88.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015286.D
Acq: 22 Apr 2020 02:20

Tgt Ion: 117 Resp: 267795
Ion Ratio Lower Upper
117 100
82 52.3 44.1 66.1
119 31.3 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

ClientSampled :

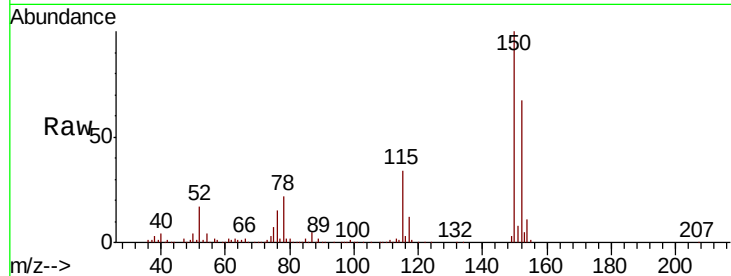
Tot Ion:152 Resp: 117070

Ion Ratio Lower Upper

152 100

115 54.8 31.3 93.9

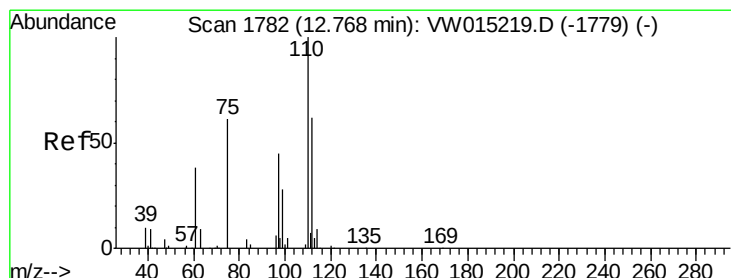
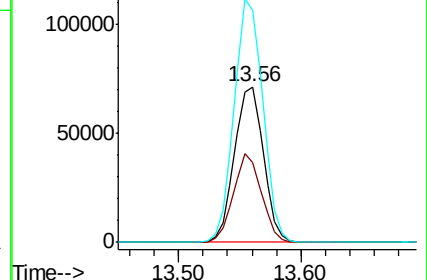
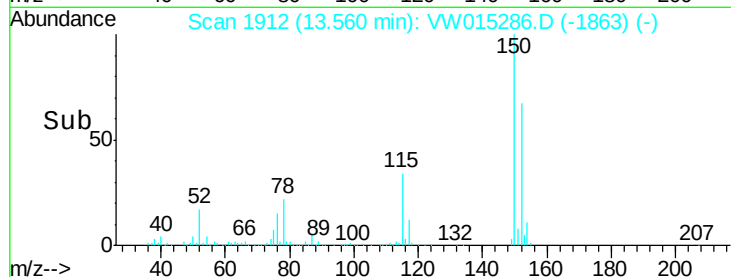
150 154.9 0.0 343.4



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: 64.935 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015286.D

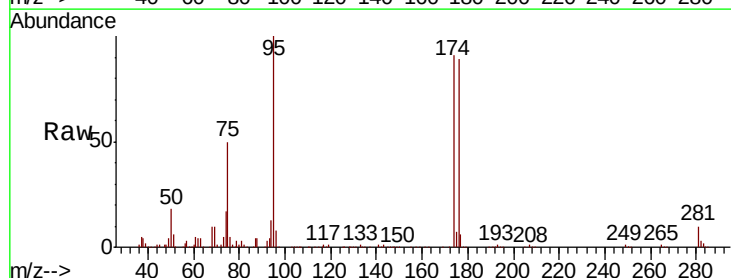
Acq: 22 Apr 2020 02:20

Tgt Ion: 75 Resp: 58809

Ion Ratio Lower Upper

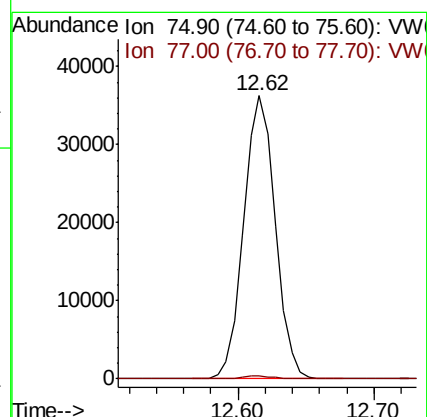
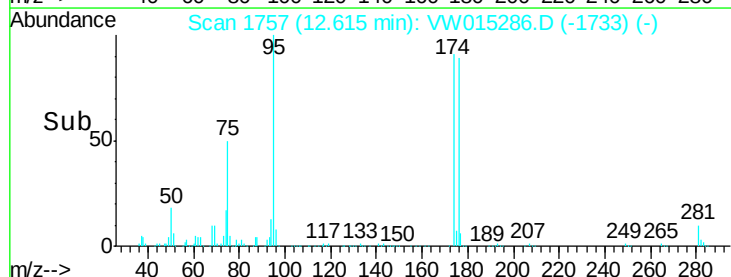
75 100

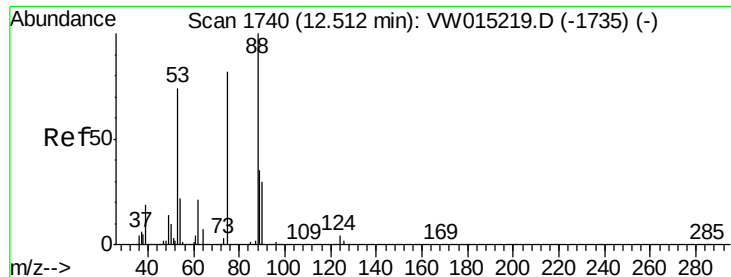
77 1.2 0.0 0.0#



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: 141.948 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015286.D

Acq: 22 Apr 2020 02:20

Instrument :

MSVOA_W

ClientSampleId :

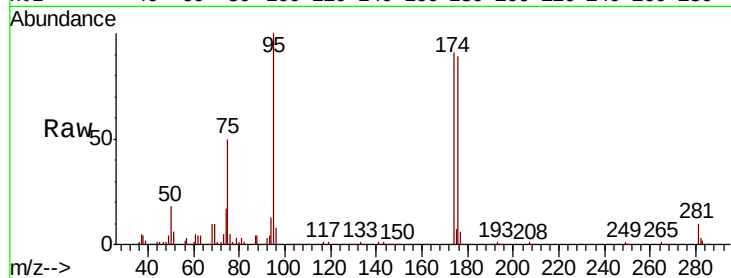
Tot Ion: 75 Resp: 58809

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



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

