

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015266.D
 Acq On : 21 Apr 2020 16:47
 Operator : SY/VA
 Sample : L2283-04RE
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 05:58:43 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

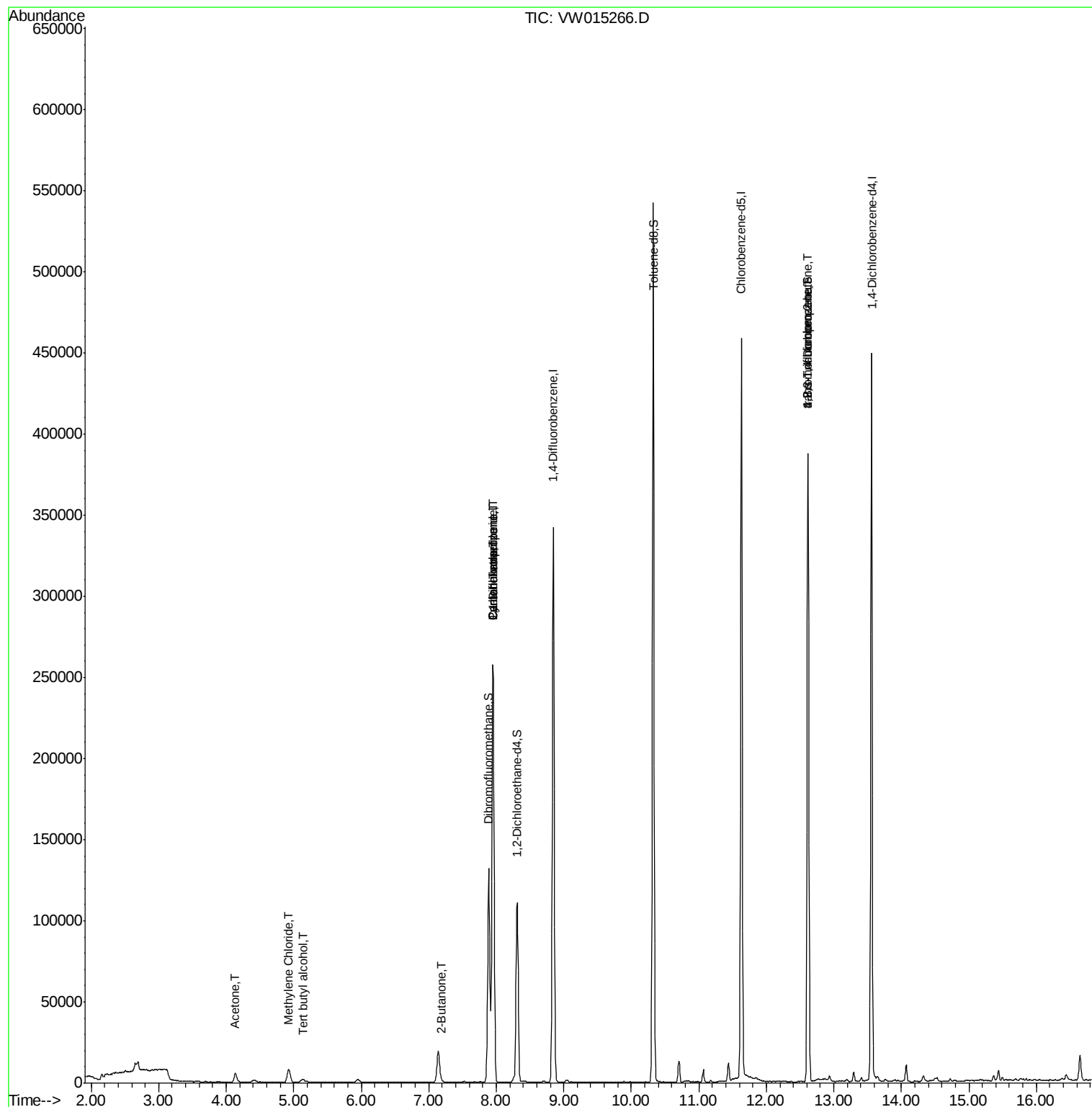
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	219204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	312530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	88143	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.89	113	91606	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
50) Toluene-d8	10.32	98	366877	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	121296	43.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	960	6.570	ug/l	96
16) Acetone	4.13	43	10307	32.920	ug/l	92
20) Methylene Chloride	4.92	84	6964	3.394	ug/l #	91
25) 2-Butanone	7.19	43	1318	3.173	ug/l	90
31) Cyclohexane	7.95	56	3944	1.190	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	14156	5.018	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19164	6.217	ug/l #	18
76) 1,2,3-Trichloropropane	12.61	75	60546	64.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	60546	140.073	ug/l #	15

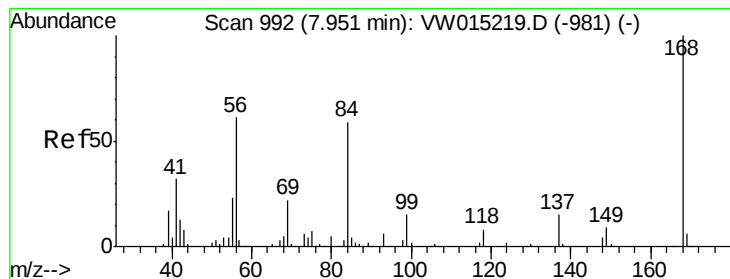
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

Instrument :

MSVOA_W

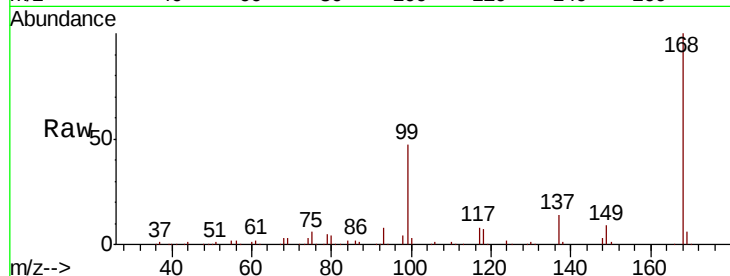
ClientSampled :

Tot Ion:168 Resp: 219204

Ion Ratio Lower Upper

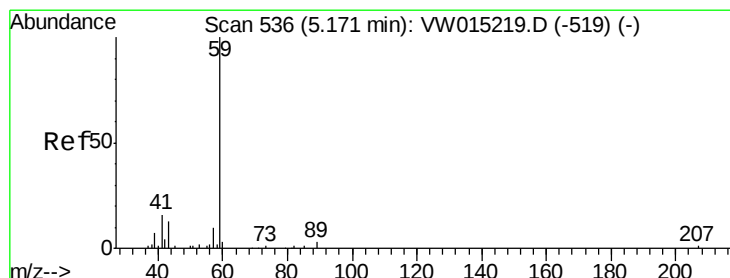
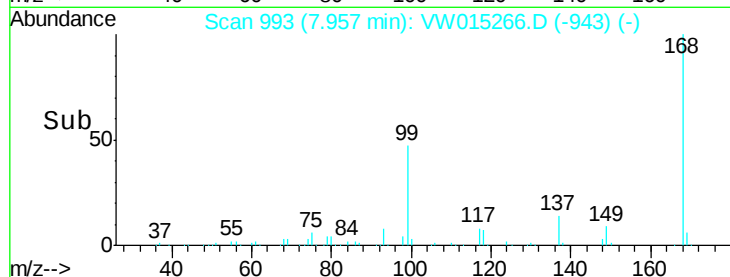
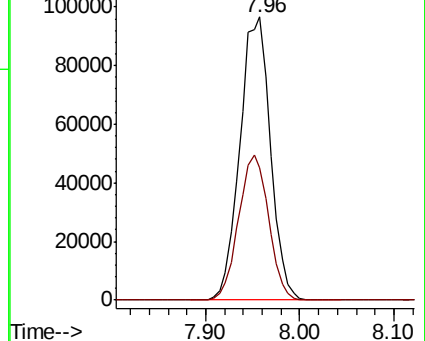
168 100

99 47.0 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: 6.570 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW015266.D

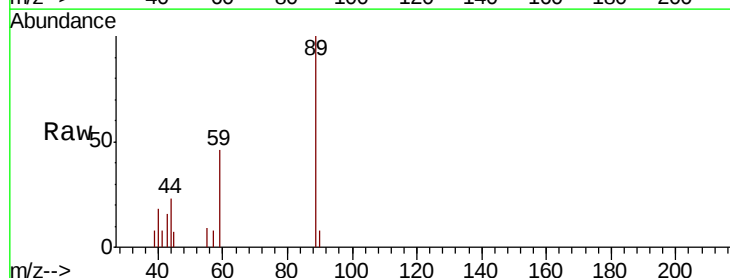
Acq: 21 Apr 2020 16:47

Tgt Ion: 59 Resp: 960

Ion Ratio Lower Upper

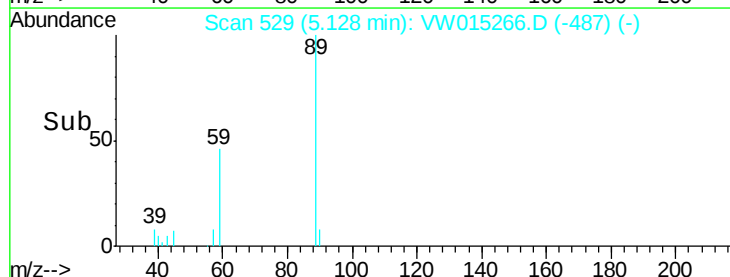
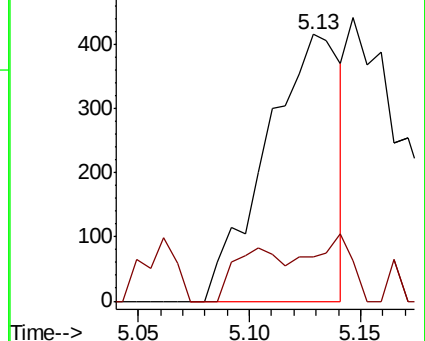
59 100

57 9.2 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

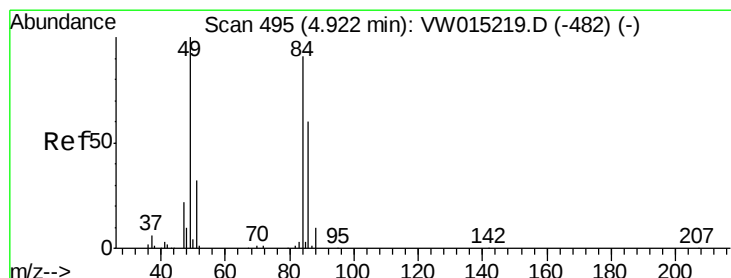
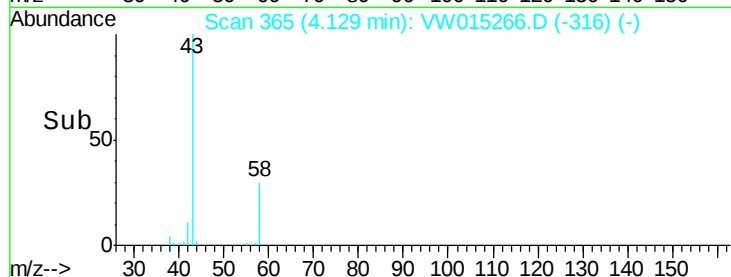
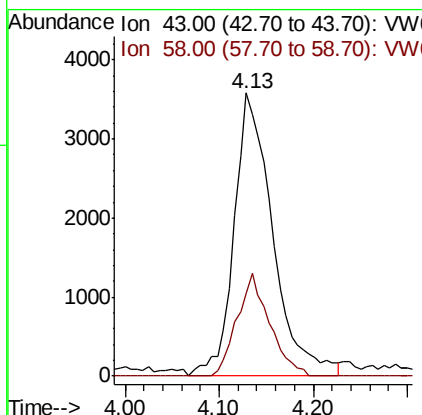
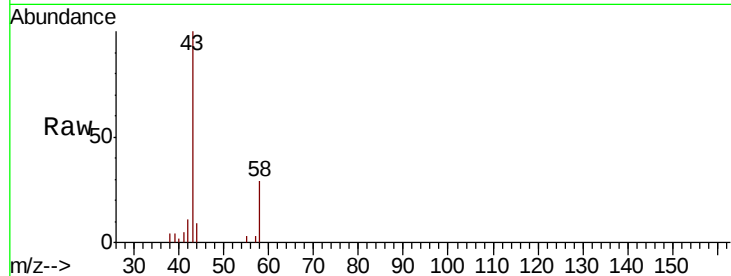




#16
Acetone
Concen: 32.920 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW015266.D
Acq: 21 Apr 2020 16:47

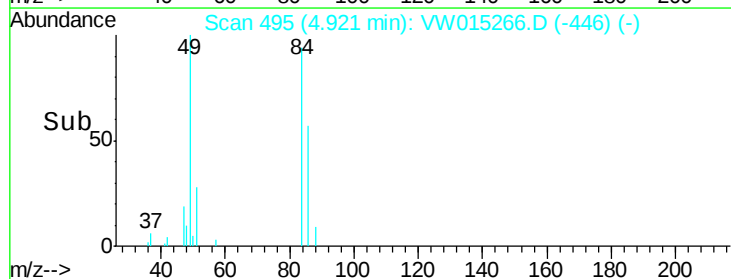
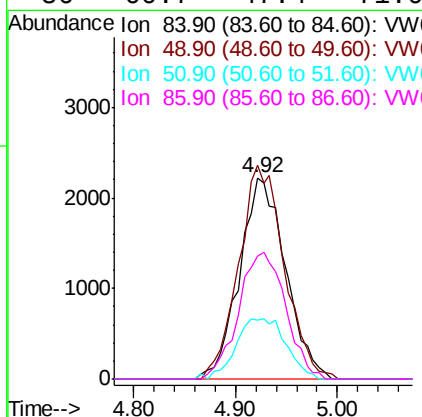
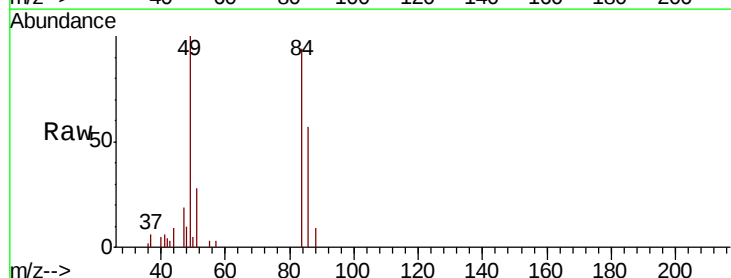
Instrument :
MSVOA_W
ClientSampled :

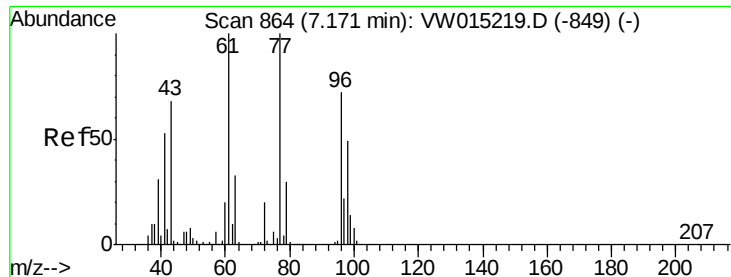
Tot Ion: 43 Resp: 10307
Ion Ratio Lower Upper
43 100
58 29.1 27.0 40.4



#20
Methylene Chloride
Concen: 3.394 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015266.D
Acq: 21 Apr 2020 16:47

Tgt Ion: 84 Resp: 6964
Ion Ratio Lower Upper
84 100
49 106.0 95.4 143.0
51 29.3 29.8 44.8#
86 60.7 47.4 71.0





#25

2-Butanone

Concen: 3.173 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

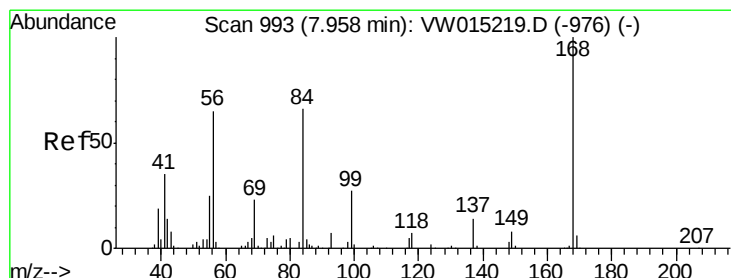
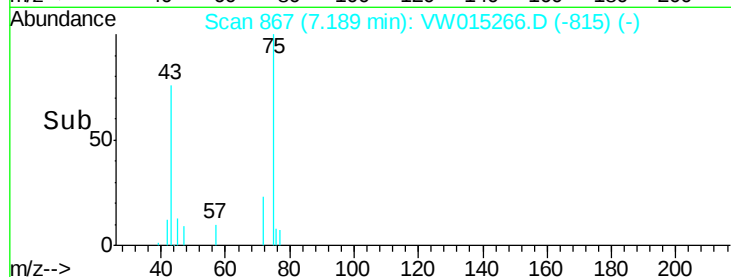
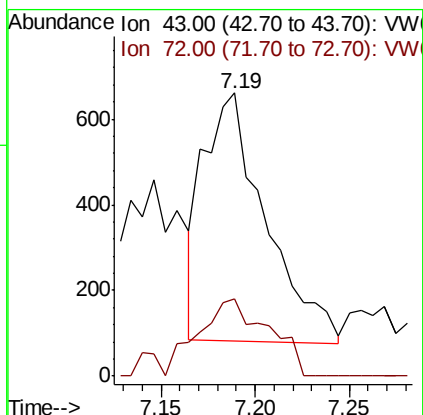
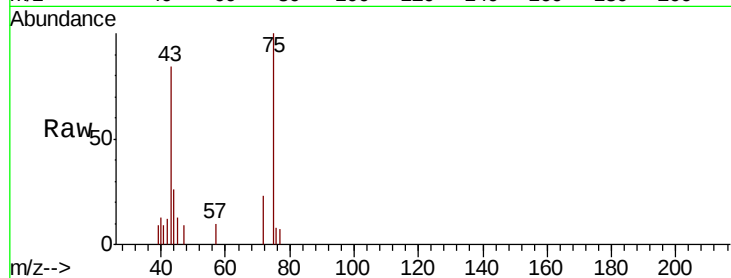
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1318

Ion Ratio Lower Upper

43 100

72 32.0 21.6 32.4



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

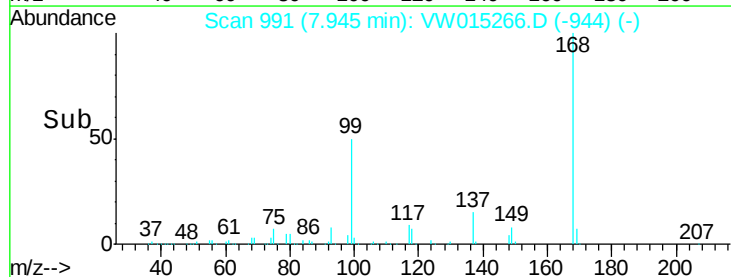
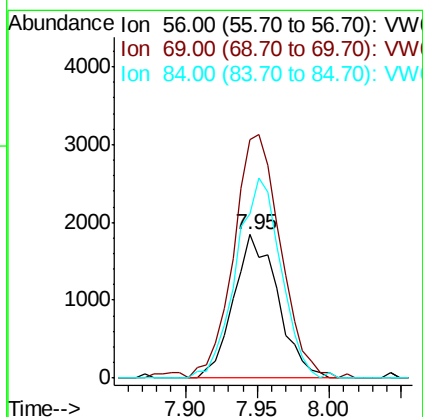
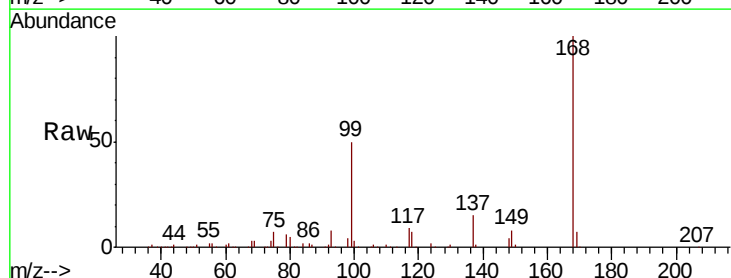
Tgt Ion: 56 Resp: 3944

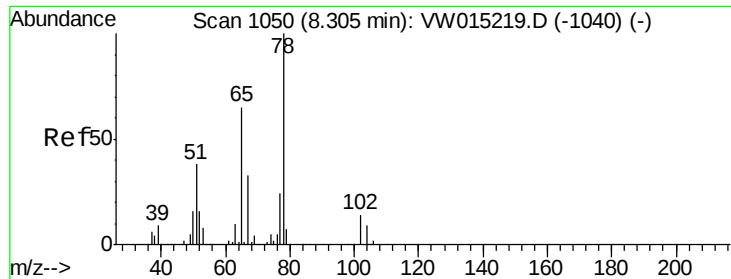
Ion Ratio Lower Upper

56 100

69 165.8 27.1 40.7#

84 114.2 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 49.172 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

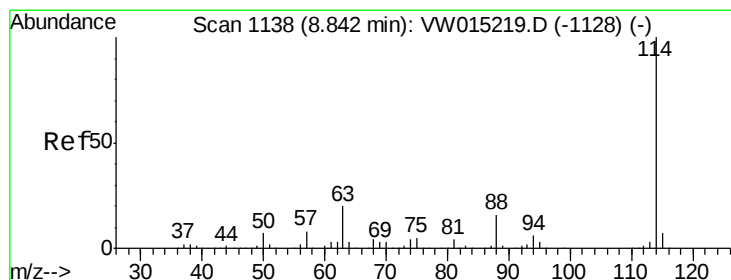
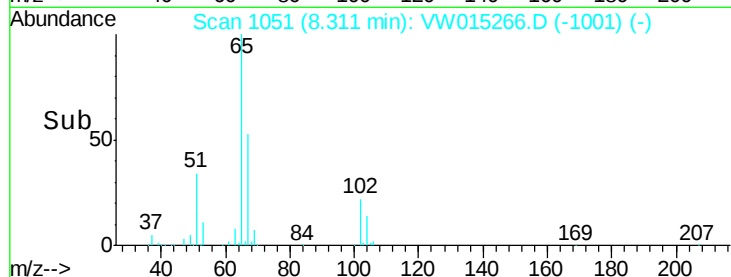
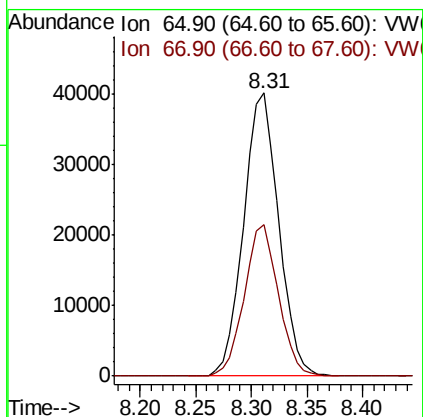
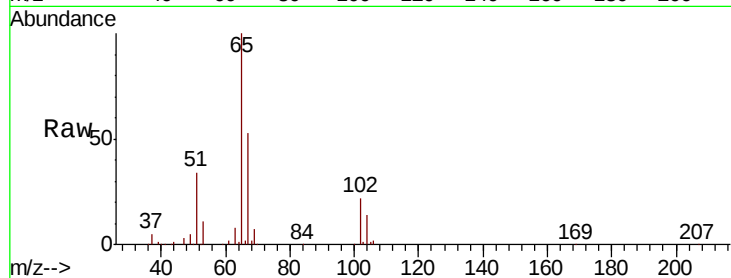
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 88143

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

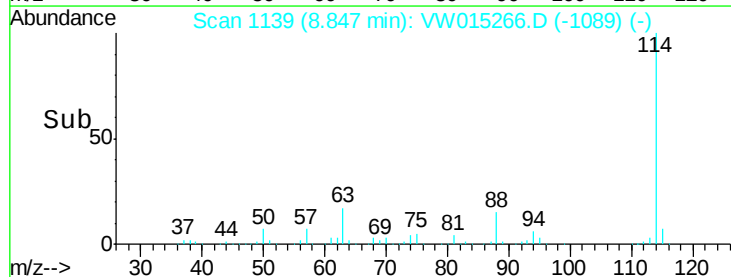
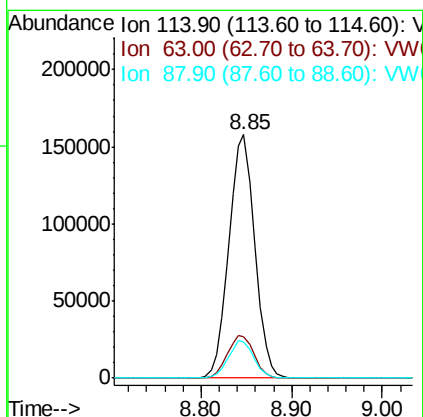
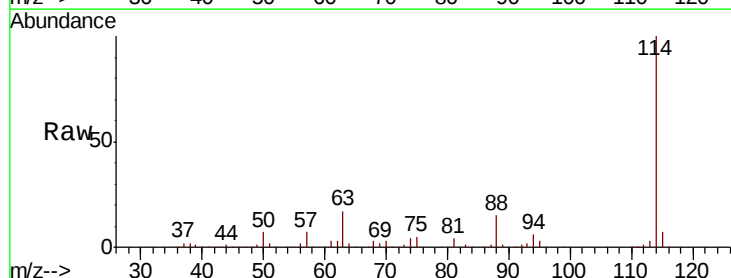
Tgt Ion: 114 Resp: 312530

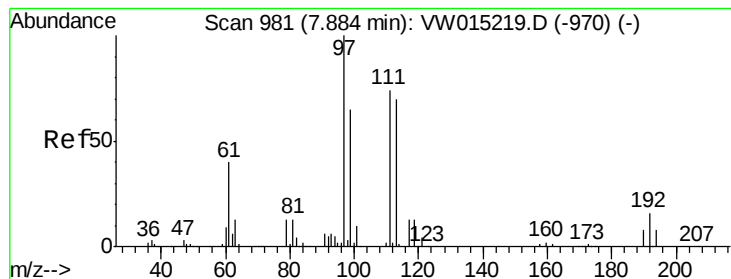
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.8

88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.916 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

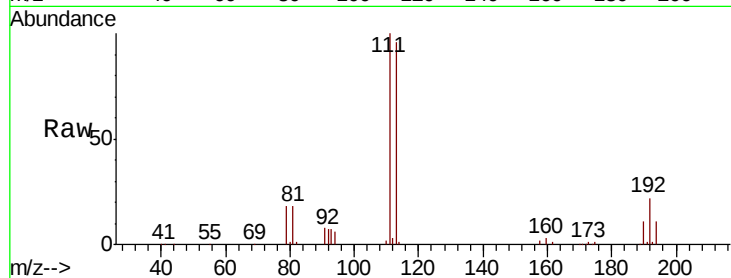
Tot Ion:113 Resp: 91606

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

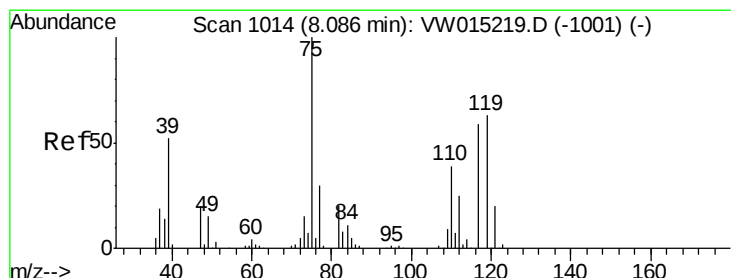
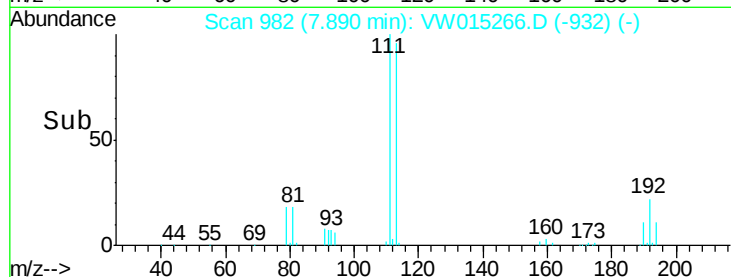
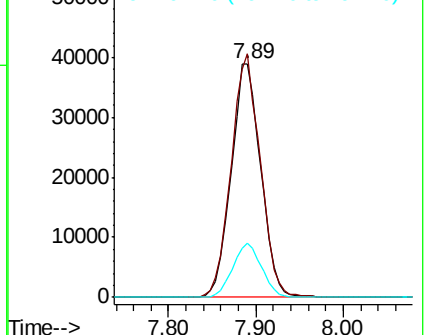
192 22.6 15.1 22.7



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: 5.018 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

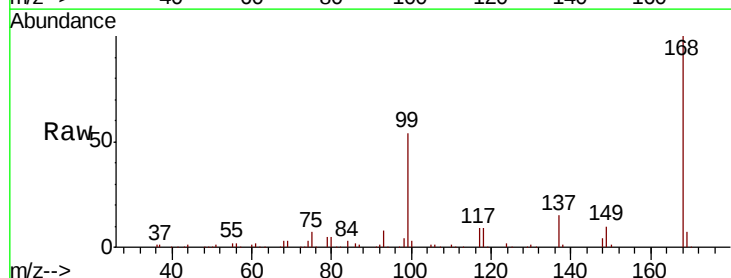
Tgt Ion: 75 Resp: 14156

Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

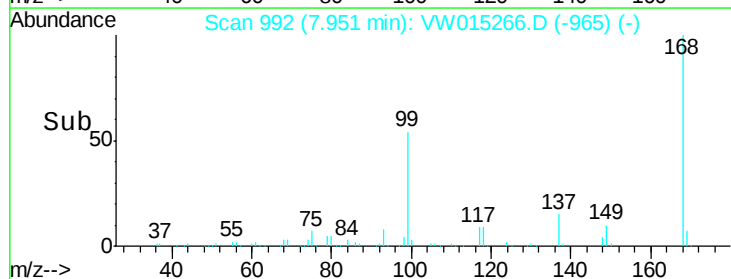
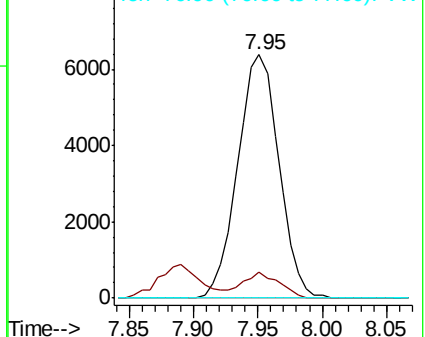
77 0.0 24.5 36.7#

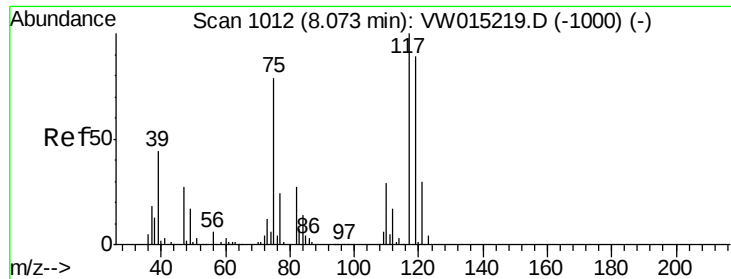


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.217 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

Instrument :

MSVOA_W

ClientSampled :

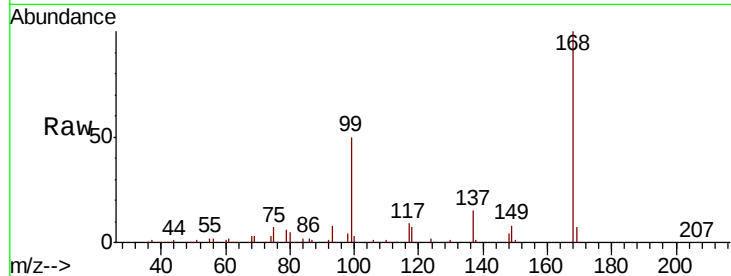
Tot Ion:117 Resp: 19164

Ion Ratio Lower Upper

117 100

119 5.0 72.3 108.5#

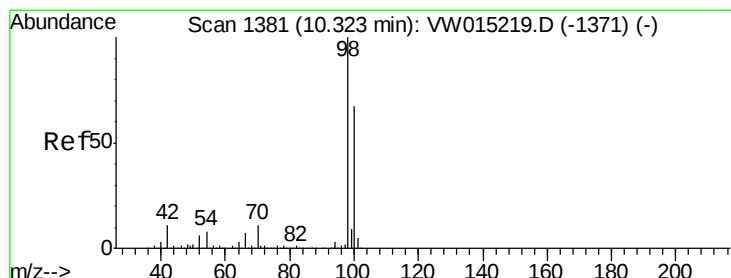
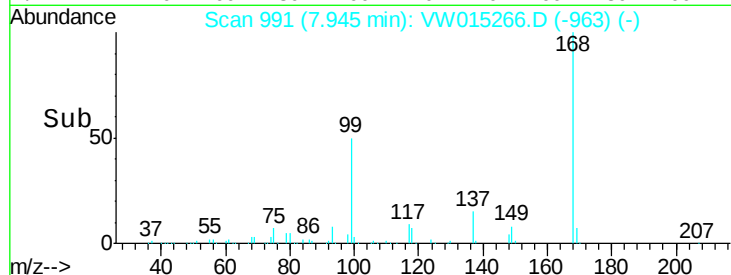
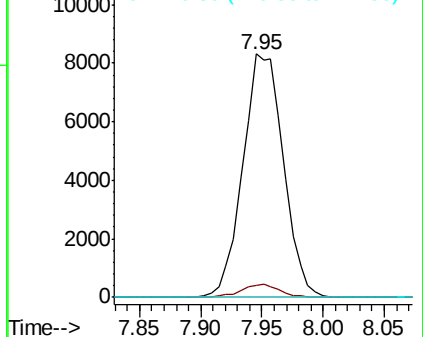
121 0.0 23.7 35.5#



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: 50.378 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015266.D

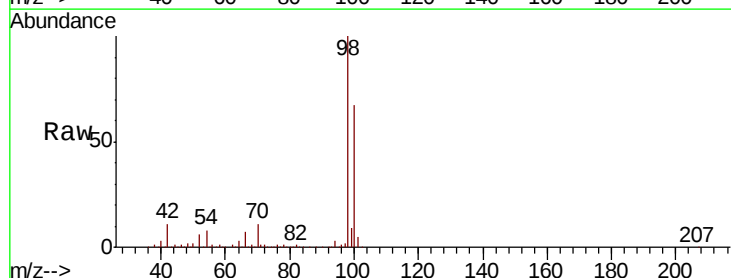
Acq: 21 Apr 2020 16:47

Tgt Ion: 98 Resp: 366877

Ion Ratio Lower Upper

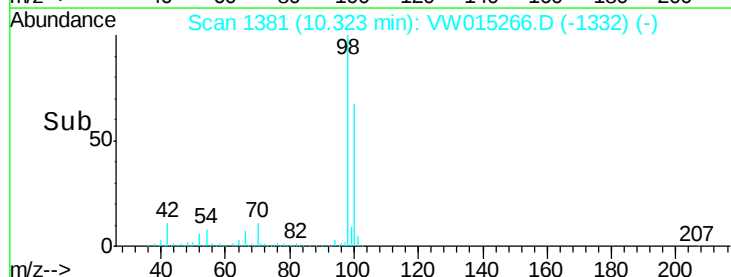
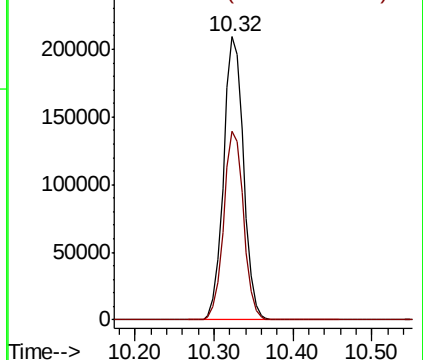
98 100

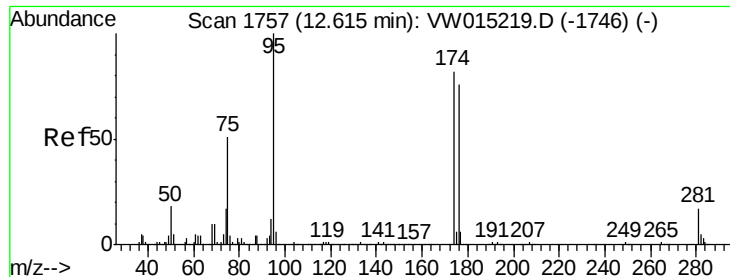
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

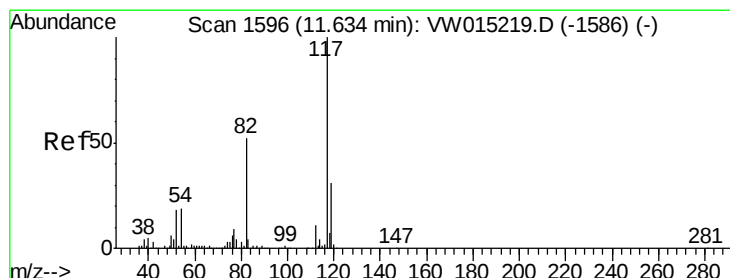
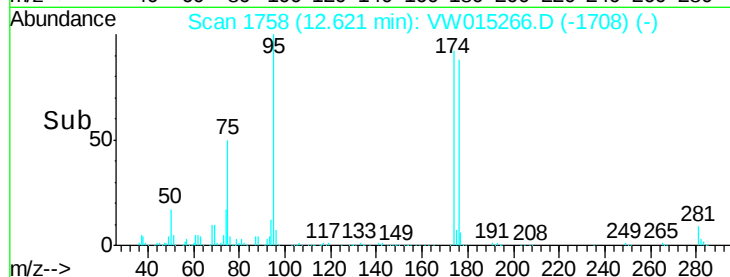
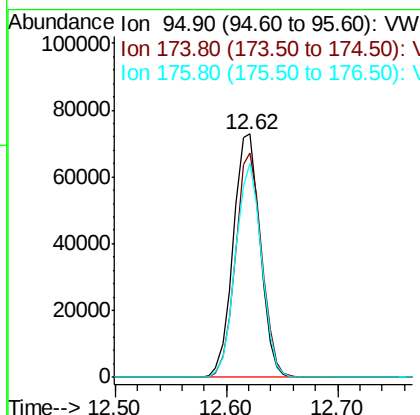
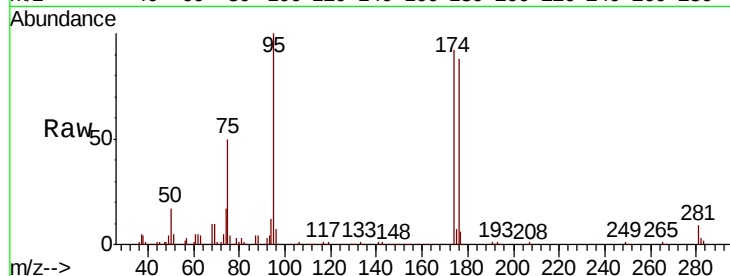




#62
4-Bromofluorobenzene
Concen: 43.654 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW015266.D
Acq: 21 Apr 2020 16:47

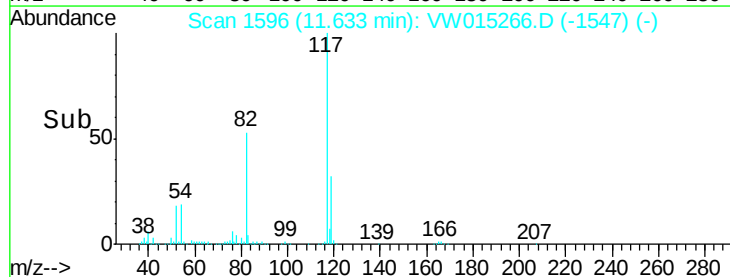
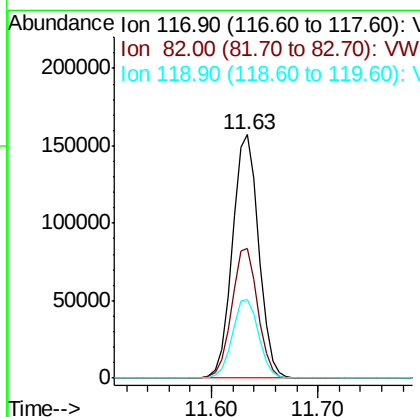
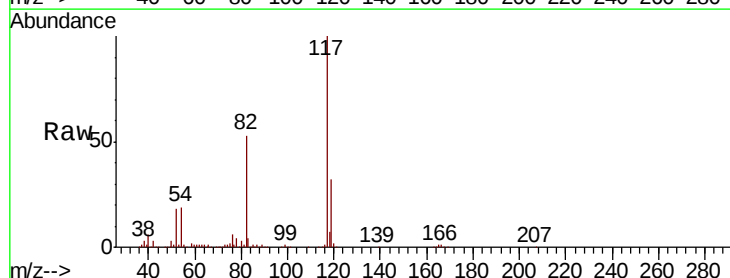
Instrument :
MSVOA_W
ClientSampleId :

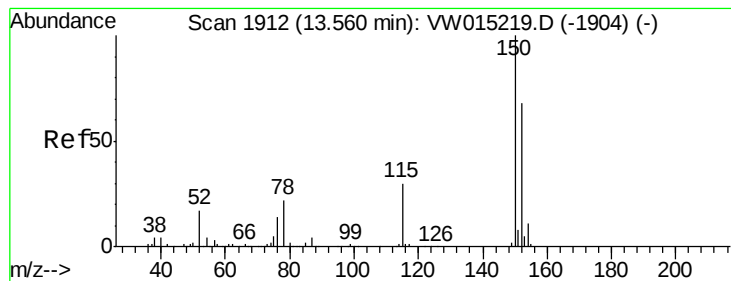
Tot Ion	95	Resp	121296
Ion Ratio	Lower	Upper	
95	100		
174	90.1	0.0	144.4
176	85.5	0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015266.D
Acq: 21 Apr 2020 16:47

Tgt Ion	117	Resp	271905
Ion Ratio	Lower	Upper	
117	100		
82	53.2	44.1	66.1
119	32.4	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: VW015266.D

Acq: 21 Apr 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

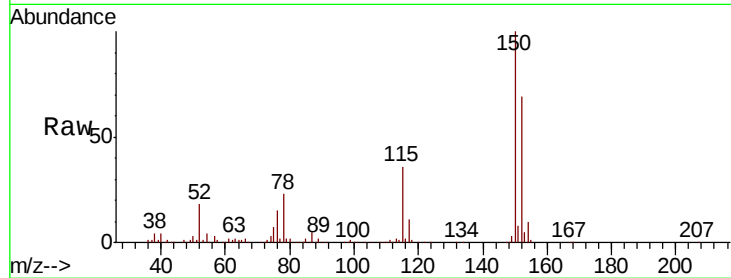
Tot Ion:152 Resp: 122141

Ion Ratio Lower Upper

152 100

115 55.1 31.3 93.9

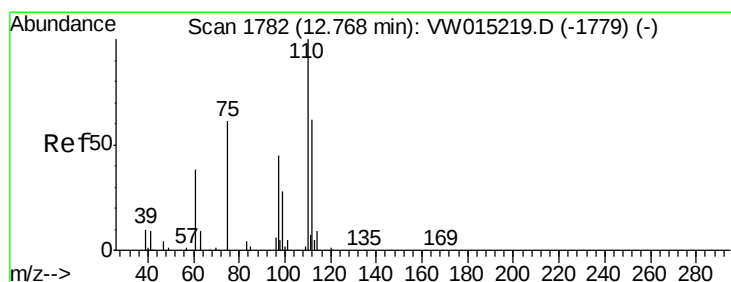
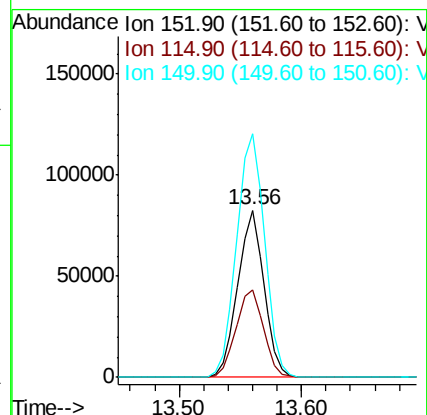
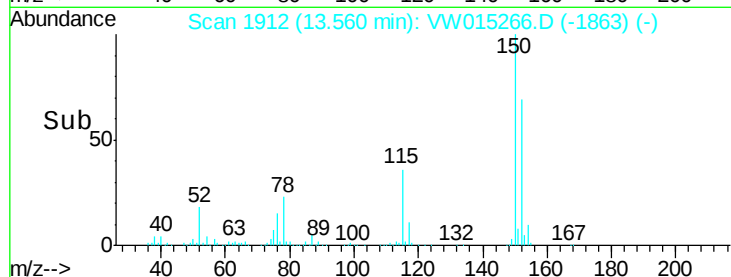
150 155.8 0.0 343.4



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: 64.077 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015266.D

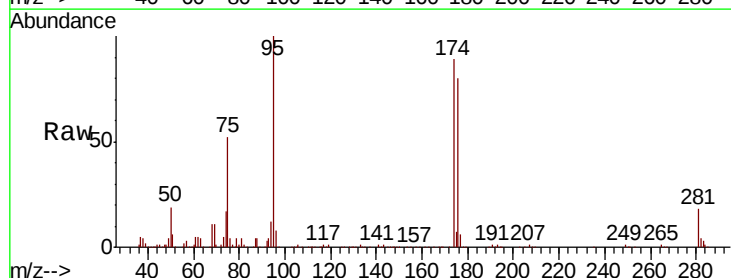
Acq: 21 Apr 2020 16:47

Tgt Ion: 75 Resp: 60546

Ion Ratio Lower Upper

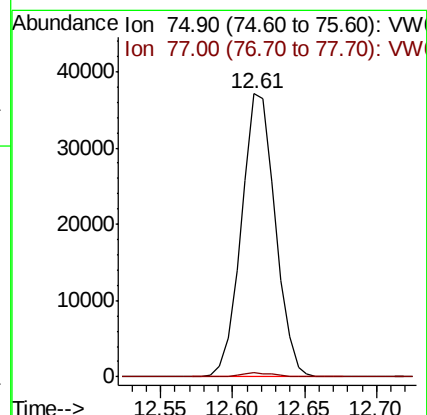
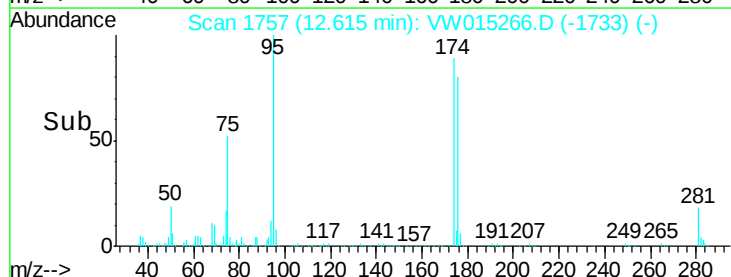
75 100

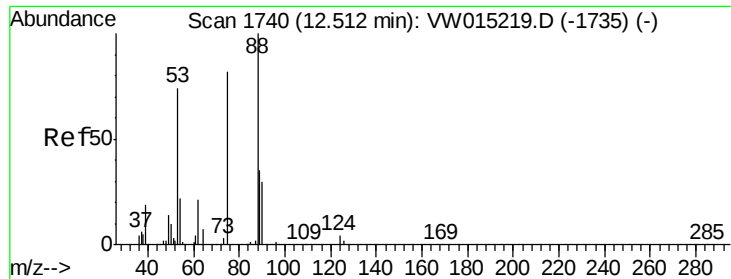
77 1.3 0.0 0.0#



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: 140.073 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015266.D

Acq: 21 Apr 2020 16:47

Instrument :

MSVOA_W

ClientSampleId :

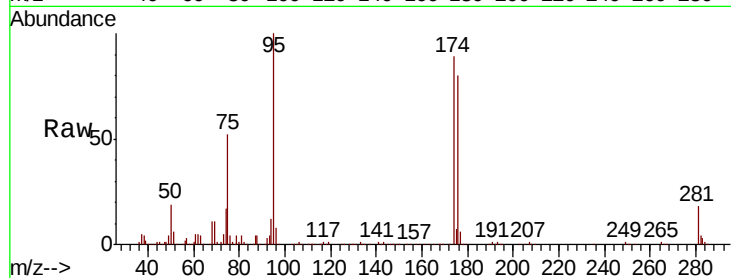
Tot Ion: 75 Resp: 60546

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 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

