

Data File : VW015316.D
Acq On : 22 Apr 2020 18:36
Operator : SY/VA
Sample : L2394-02
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
R-1A

Quant Time: Apr 23 07:05:14 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	220384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	118000	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	86655	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	90457	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.32	98	366824	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	117392	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	

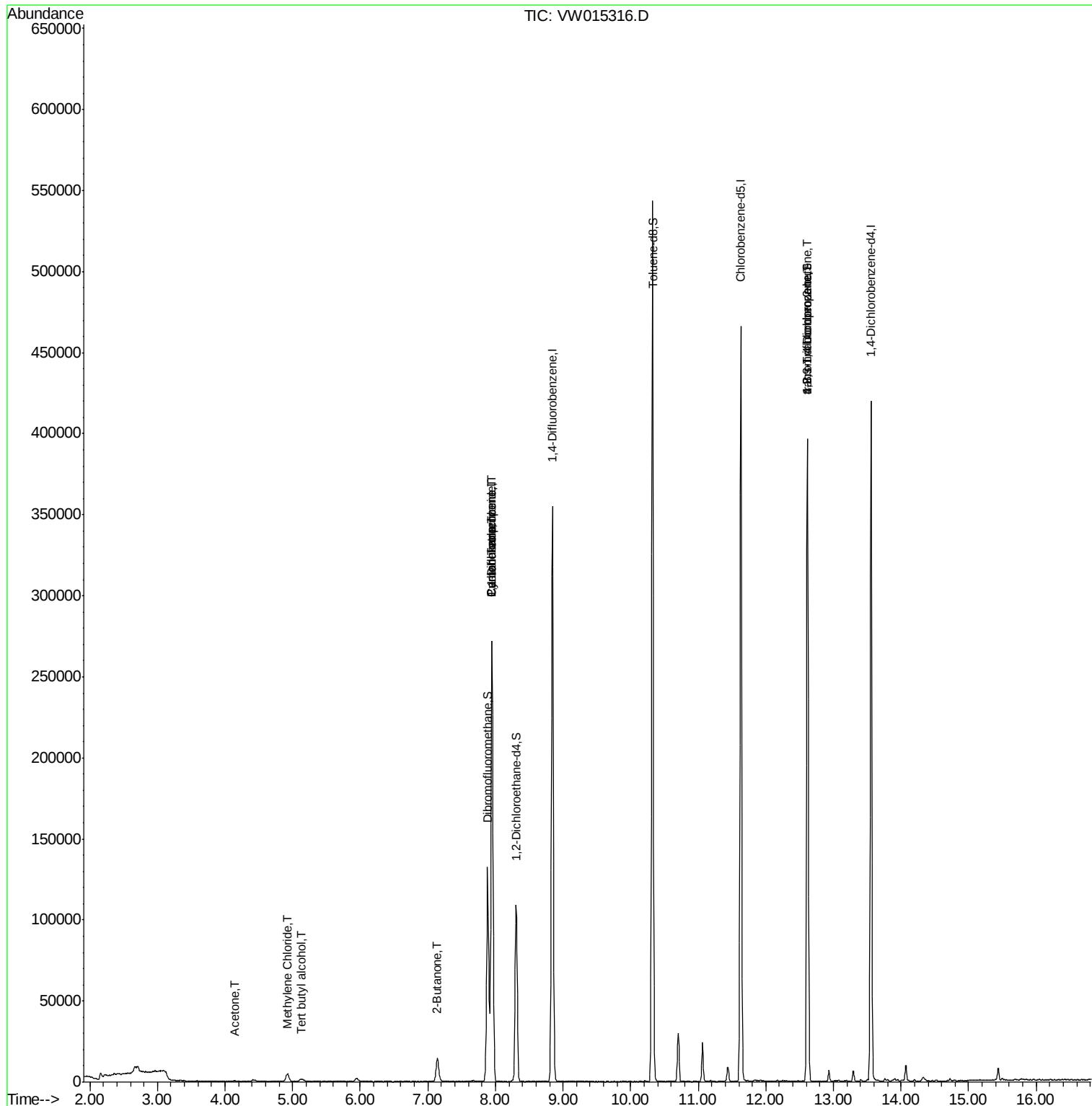
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.12	59	1647	11.211	ug/l #	75
16) Acetone	4.15	43	1133	3.599	ug/l #	69
20) Methylene Chloride	4.93	84	4171	2.022	ug/l #	83
25) 2-Butanone	7.15	43	1030	2.466	ug/l #	48
31) Cyclohexane	7.95	56	3934	1.180	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	14484	5.081	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20140	6.465	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	59070	64.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59070	141.454	ug/l #	15

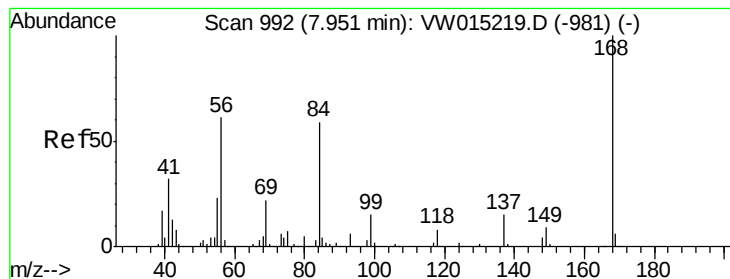
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampled :

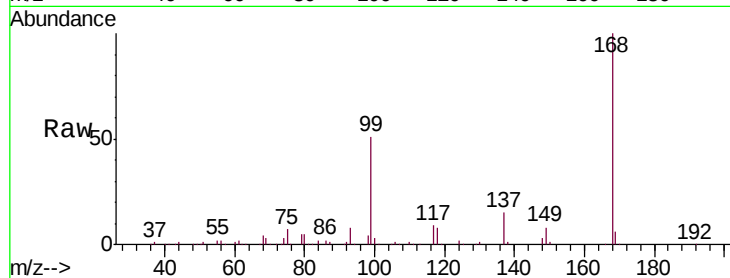
R-1A

Tgt Ion:168 Resp: 220384

Ion Ratio Lower Upper

168 100

99 50.5 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

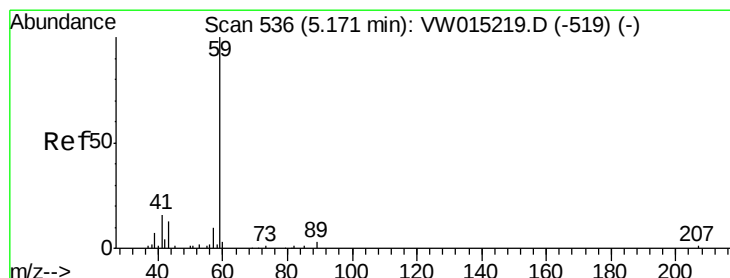
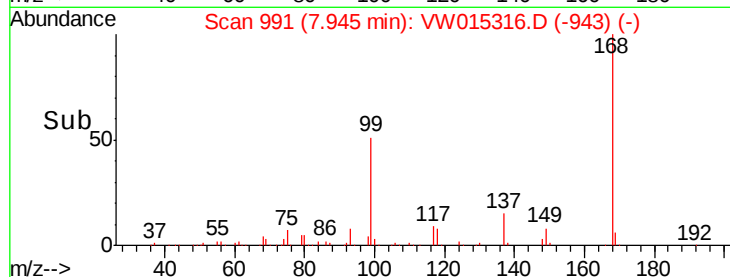
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 11.211 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW015316.D

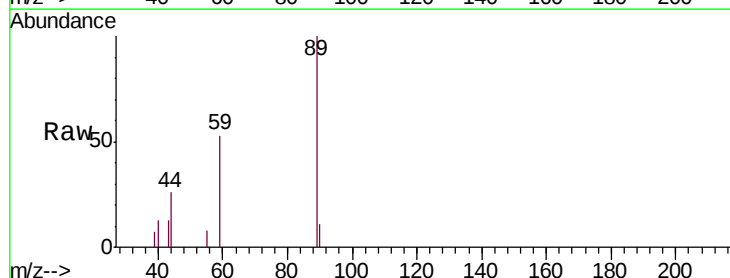
Acq: 22 Apr 2020 18:36

Tgt Ion: 59 Resp: 1647

Ion Ratio Lower Upper

59 100

57 1.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

300

200

100

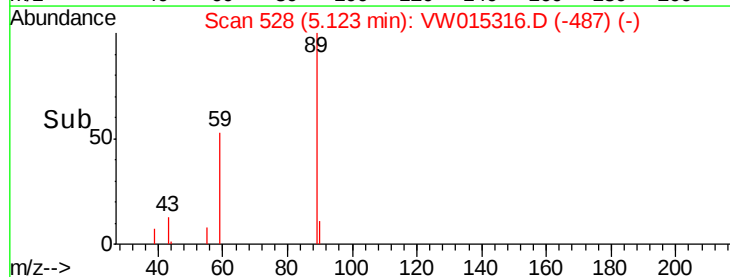
0

5.00

5.10

5.20

Time-->





#16

Acetone

Concen: 3.599 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampled :

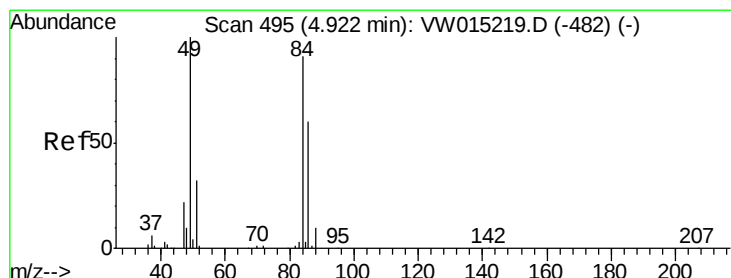
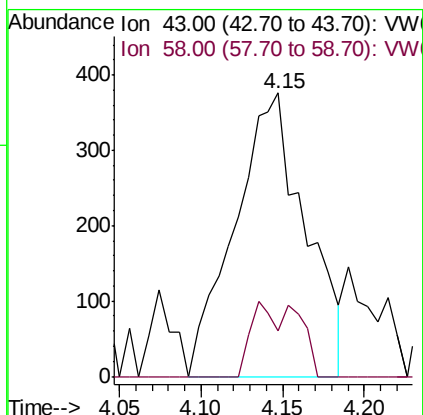
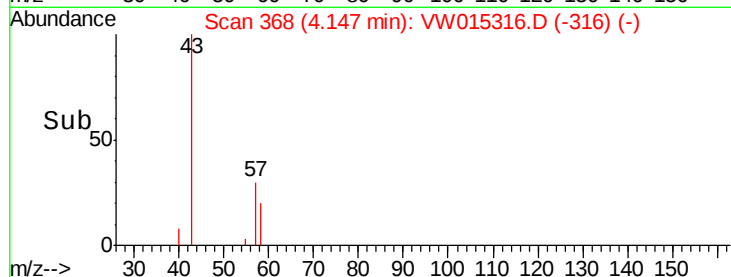
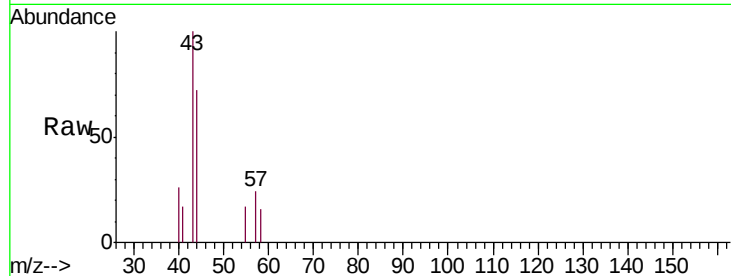
R-1A

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 16.2 27.0 40.4#



#20

Methylene Chloride

Concen: 2.022 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Tgt Ion: 84 Resp: 4171

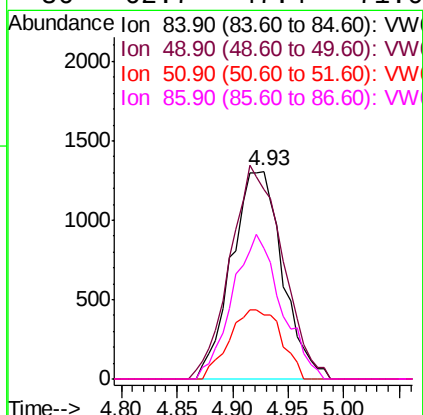
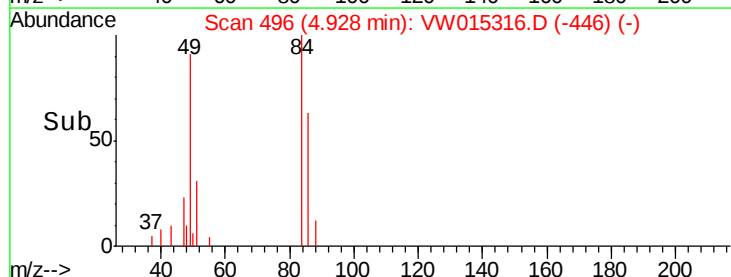
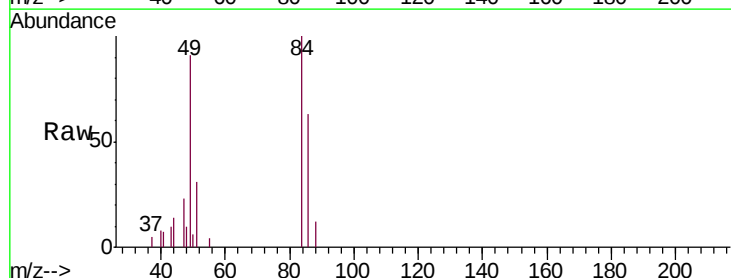
Ion Ratio Lower Upper

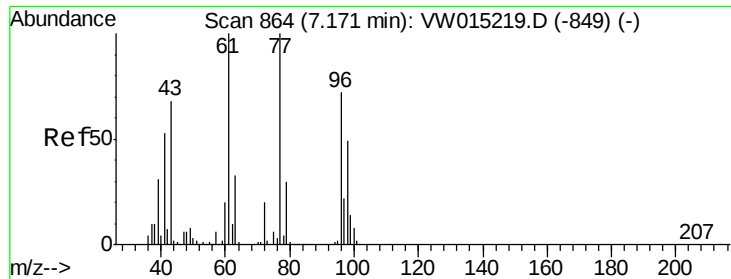
84 100

49 91.2 95.4 143.0#

51 31.0 29.8 44.8

86 62.7 47.4 71.0





#25

2-Butanone

Concen: 2.466 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

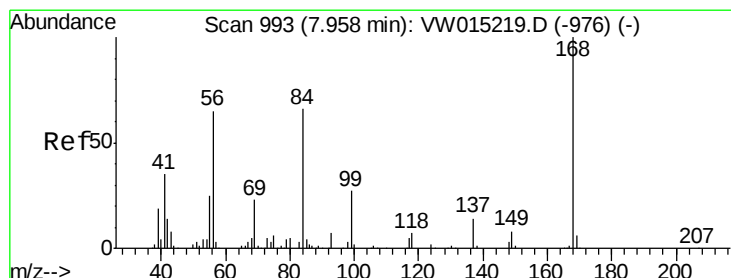
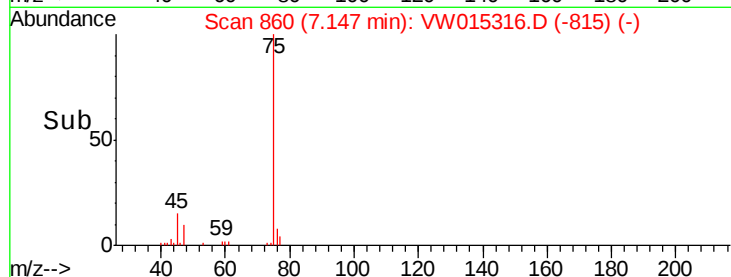
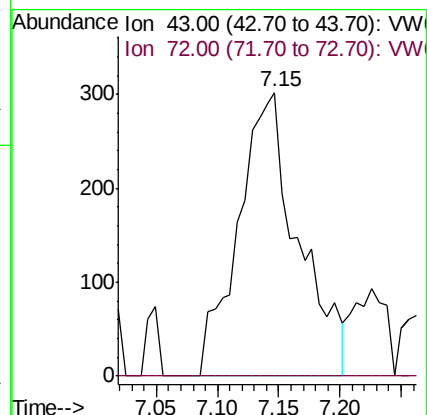
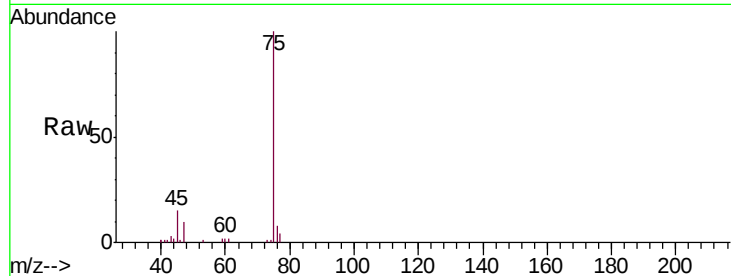
R-1A

Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

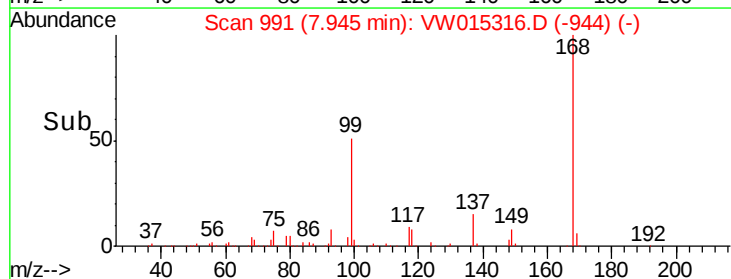
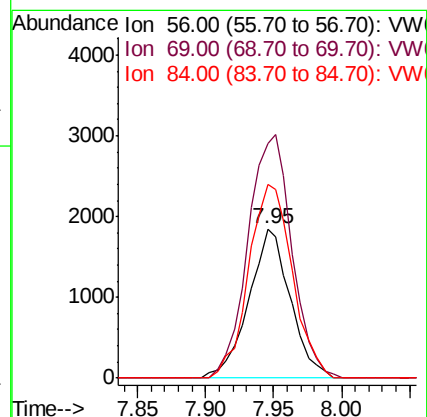
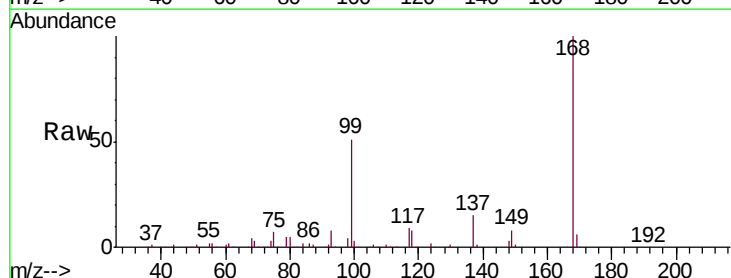
Tgt Ion: 56 Resp: 3934

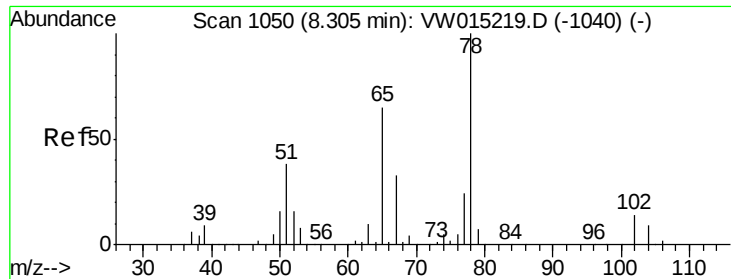
Ion Ratio Lower Upper

56 100

69 157.2 27.1 40.7#

84 129.9 71.9 107.9#

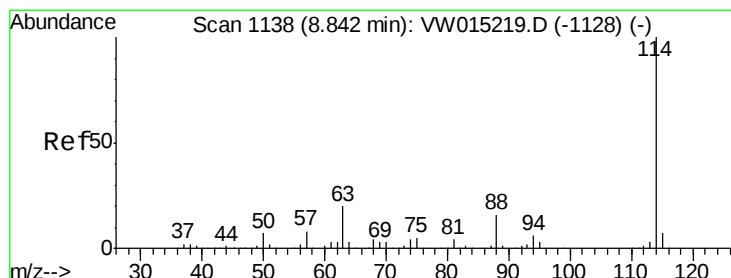
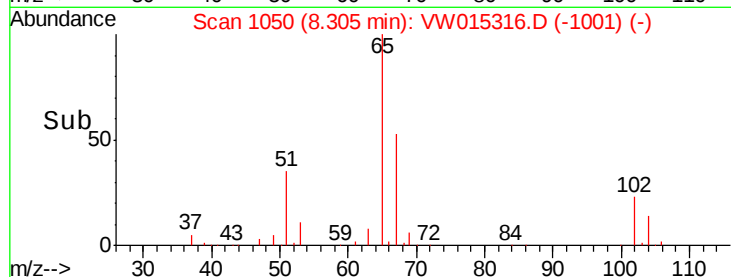
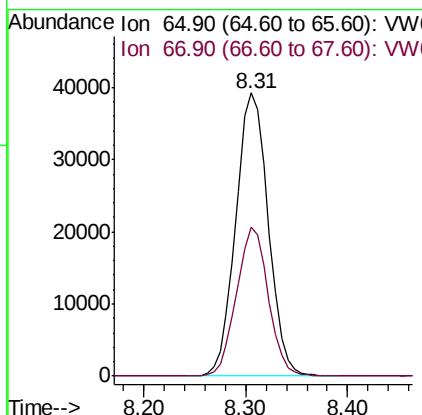
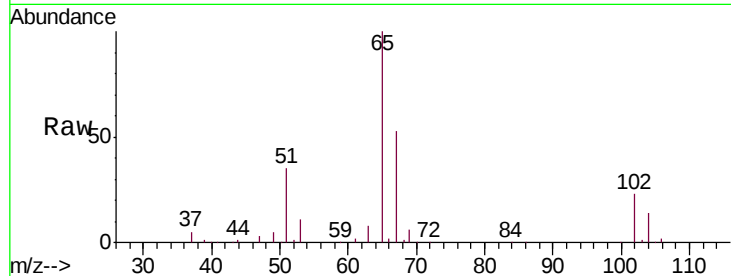




#33
 1,2-Dichloroethane-d4
 Concen: 48.083 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015316.D
 Acq: 22 Apr 2020 18:36

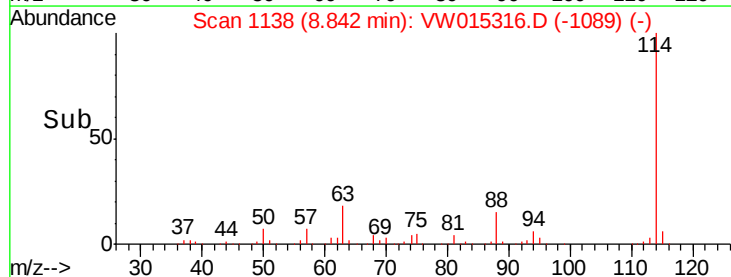
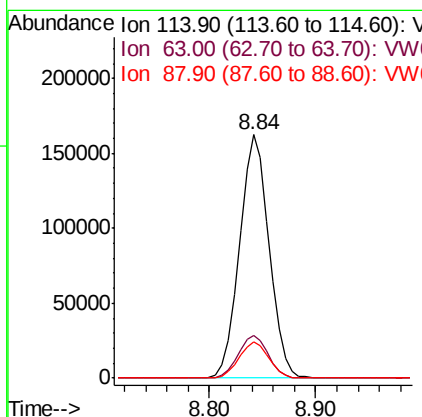
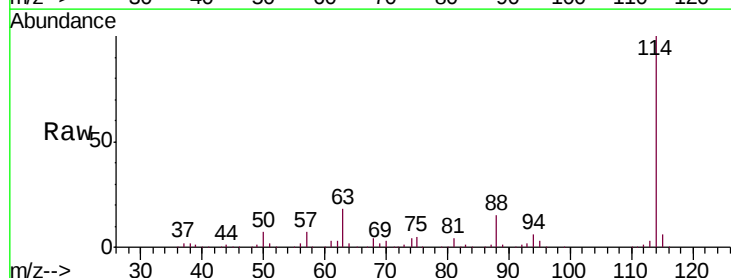
Instrument :
 MSVOA_W
 ClientSampleId :
 R-1A

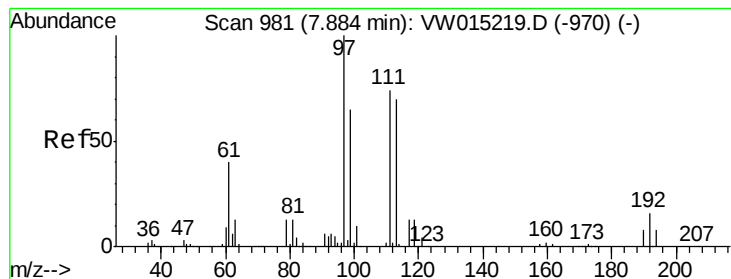
Tgt Ion: 65 Resp: 86655
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015316.D
 Acq: 22 Apr 2020 18:36

Tgt Ion: 114 Resp: 315828
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.8
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.707 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampled :

R-1A

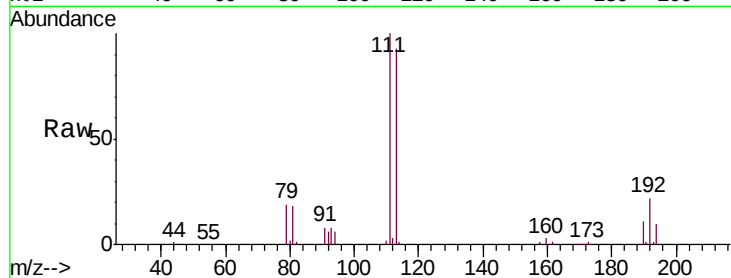
Tgt Ion:113 Resp: 90457

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.4

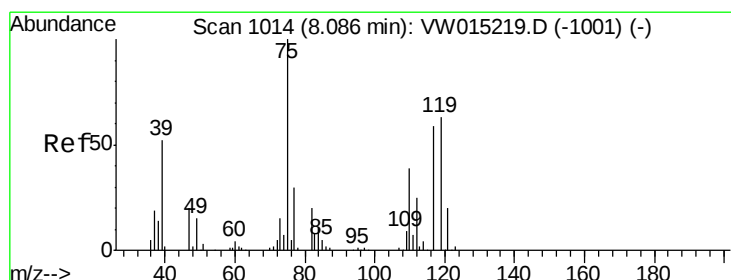
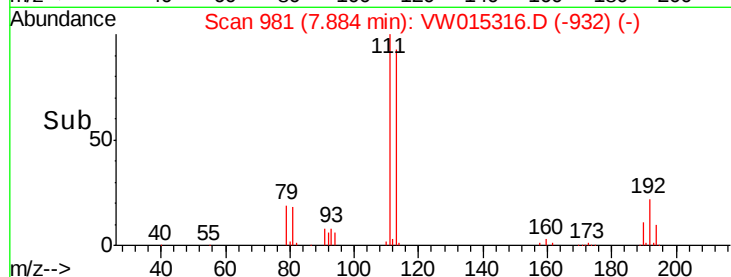
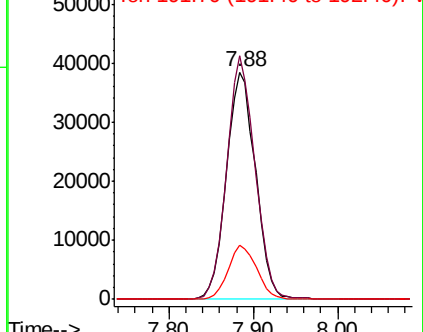
192 23.1 15.1 22.7#



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: 5.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

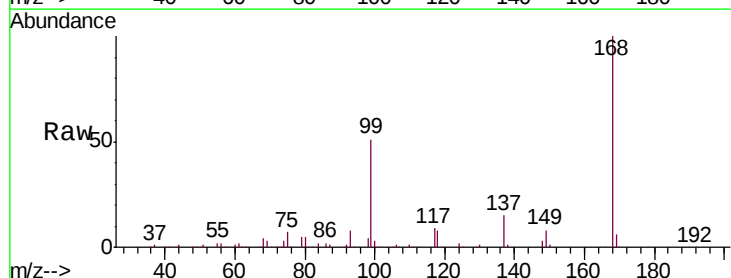
Tgt Ion: 75 Resp: 14484

Ion Ratio Lower Upper

75 100

110 10.3 18.2 54.6#

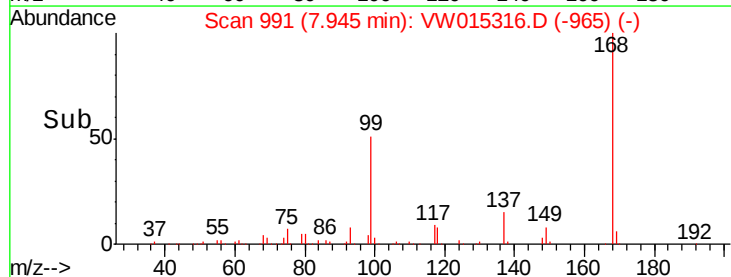
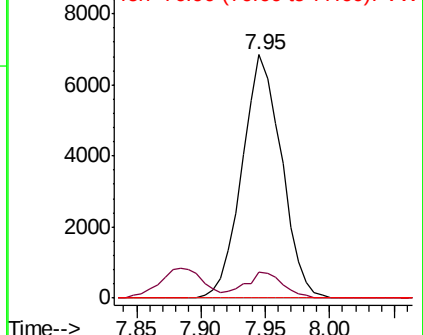
77 0.0 24.5 36.7#

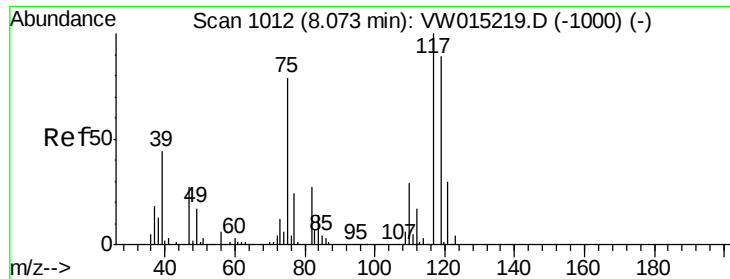


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

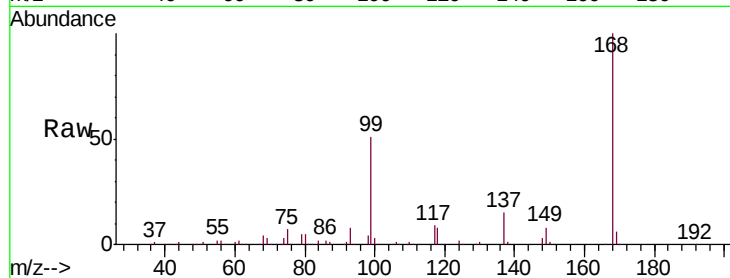




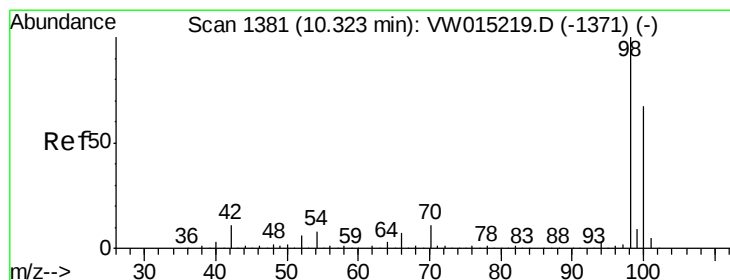
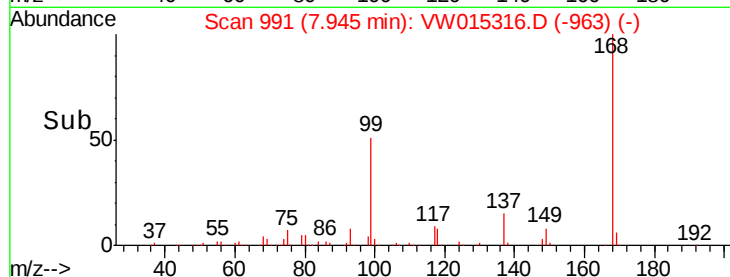
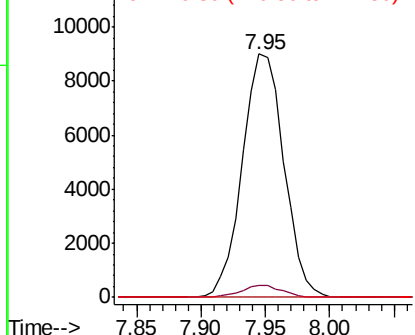
#38
Carbon Tetrachloride
Concen: 6.465 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW015316.D
Acq: 22 Apr 2020 18:36

Instrument :
MSVOA_W
ClientSampleId :
R-1A

Tgt Ion:117 Resp: 20140
Ion Ratio Lower Upper
117 100
119 4.7 72.3 108.5#
121 0.0 23.7 35.5#

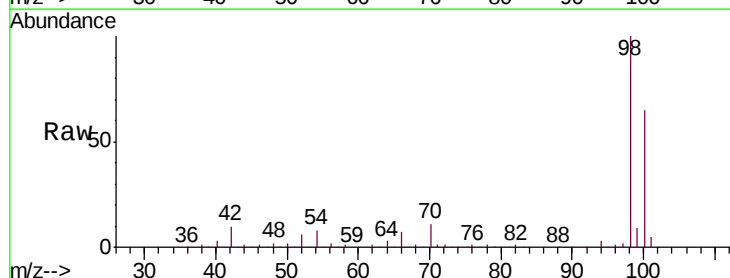


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

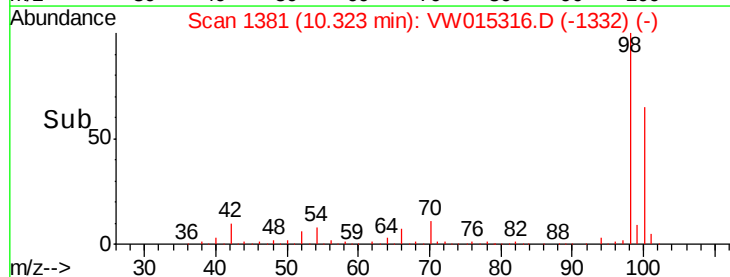
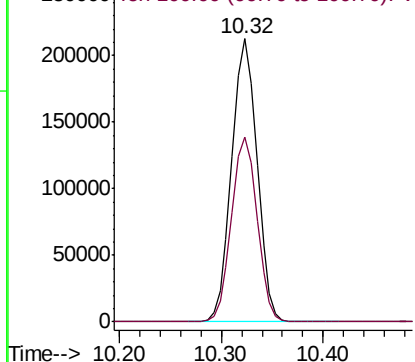


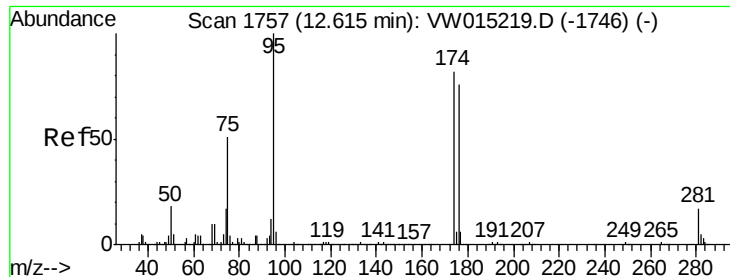
#50
Toluene-d8
Concen: 49.845 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015316.D
Acq: 22 Apr 2020 18:36

Tgt Ion: 98 Resp: 366824
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 41.807 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

R-1A

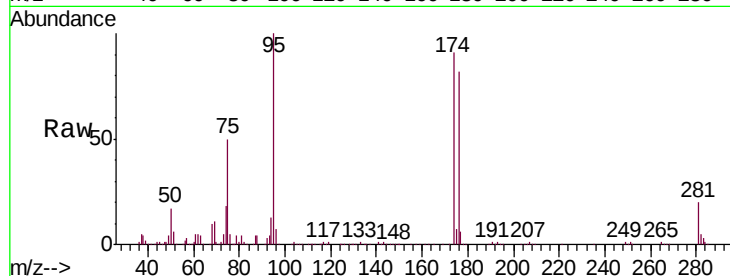
Tgt Ion: 95 Resp: 117392

Ion Ratio Lower Upper

95 100

174 91.3 0.0 144.4

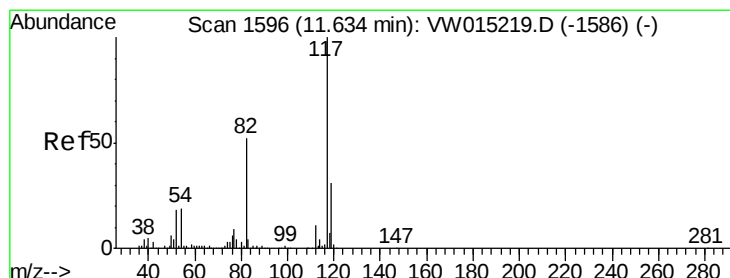
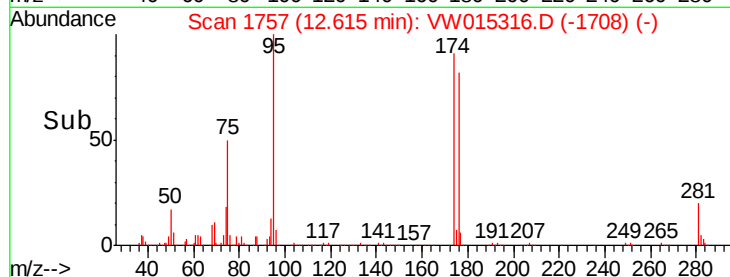
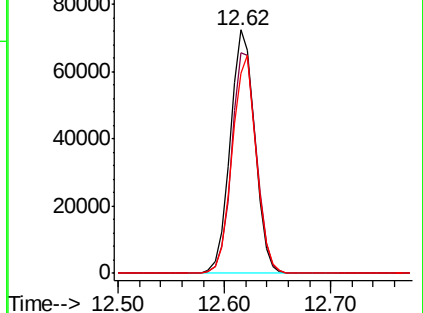
176 88.0 0.0 140.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

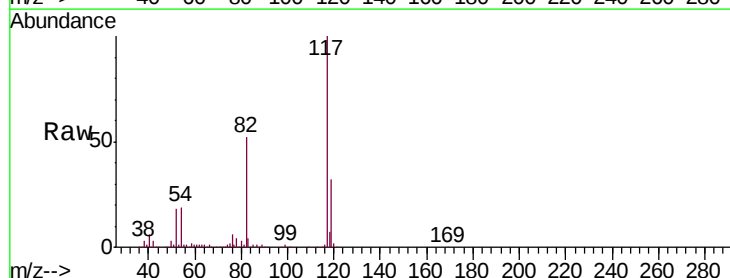
Tgt Ion: 117 Resp: 275025

Ion Ratio Lower Upper

117 100

82 51.8 44.1 66.1

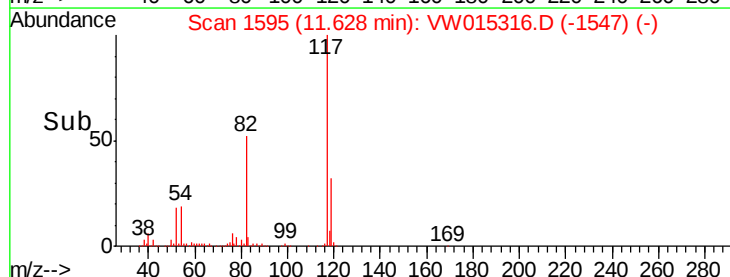
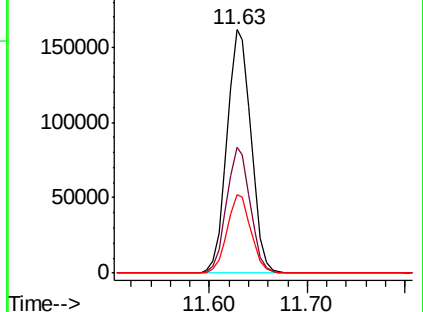
119 32.2 24.9 37.3

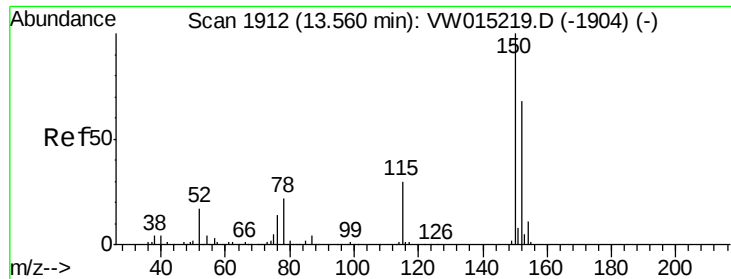


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



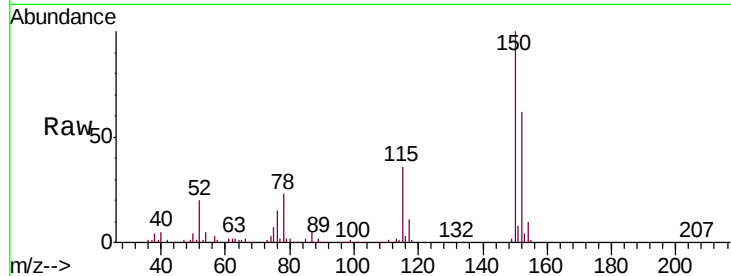


#72

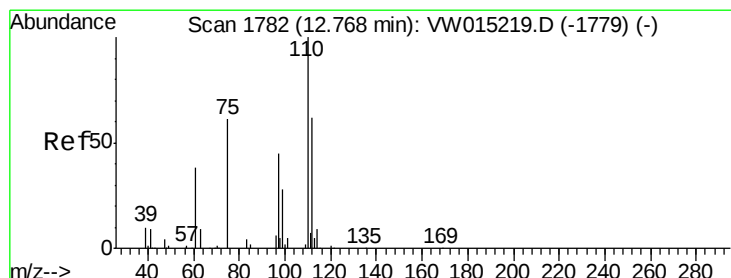
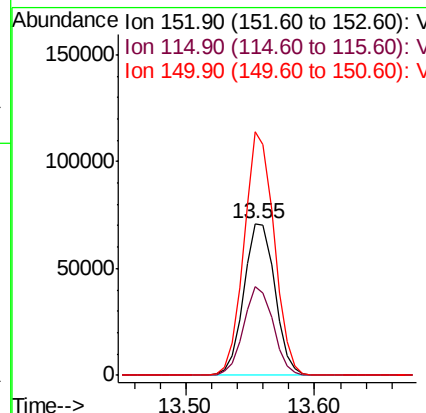
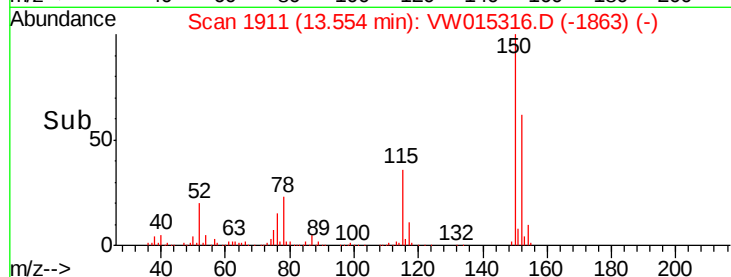
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015316.D
Acq: 22 Apr 2020 18:36

Instrument :
MSVOA_W
ClientSampled :
R-1A

Tgt Ion:152 Resp: 118000
Ion Ratio Lower Upper
152 100
115 55.6 31.3 93.9
150 154.9 0.0 343.4



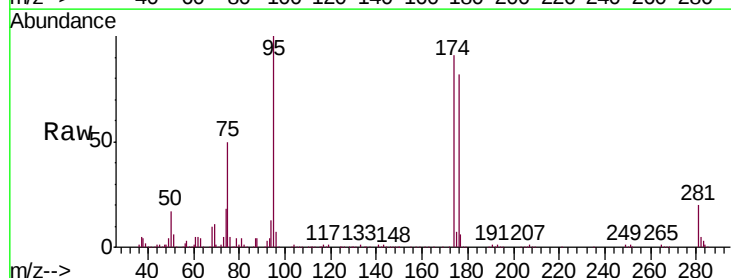
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



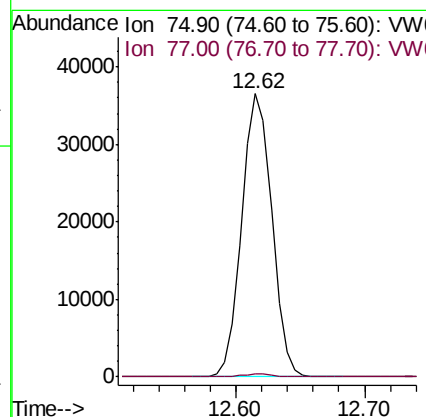
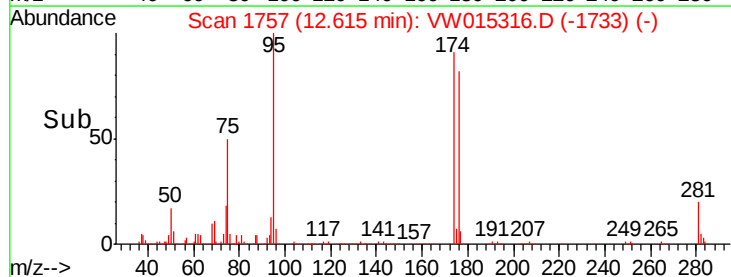
#76

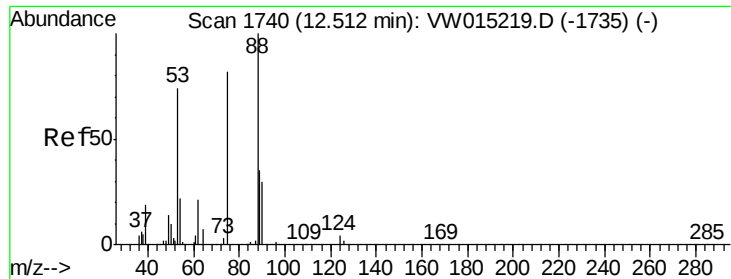
1,2,3-Trichloropropane
Concen: 64.709 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015316.D
Acq: 22 Apr 2020 18:36

Tgt Ion: 75 Resp: 59070
Ion Ratio Lower Upper
75 100
77 1.0 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: 141.454 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015316.D

Acq: 22 Apr 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

R-1A

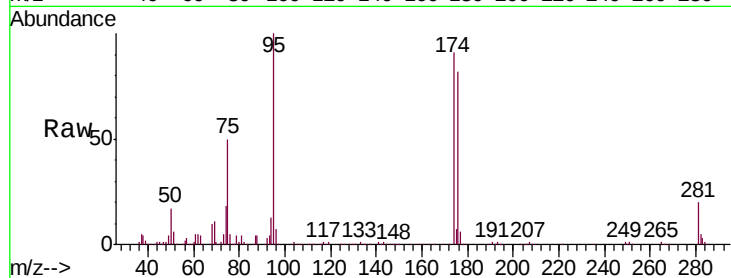
Tgt Ion: 75 Resp: 59070

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

