

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017239.D
 Acq On : 15 Nov 2020 15:39
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK18

Quant Time: Nov 16 09:56:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	425567	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	383658	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197938	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102557	19.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.52%
7) Chloroethane-d5	2.89	69	92928	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.00%
10) 1,1-Dichloroethene-d2	4.02	63	145425	15.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.68%
20) 2-Butanone-d5	7.09	46	47577	39.69	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.38%
24) Chloroform-d	7.65	84	231283	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	118795	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	8.28	84	432869	22.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.64%
33) 1,2-Dichloropropane-d6	9.28	67	121351	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.84%
37) Toluene-d8	10.32	98	423267	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.92%
38) trans-1,3-Dichloropropene-	10.58	79	52807	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.68%
39) 2-Hexanone-d5	10.93	63	43157	45.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104616	22.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	179760	25.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.12%

Target Compounds

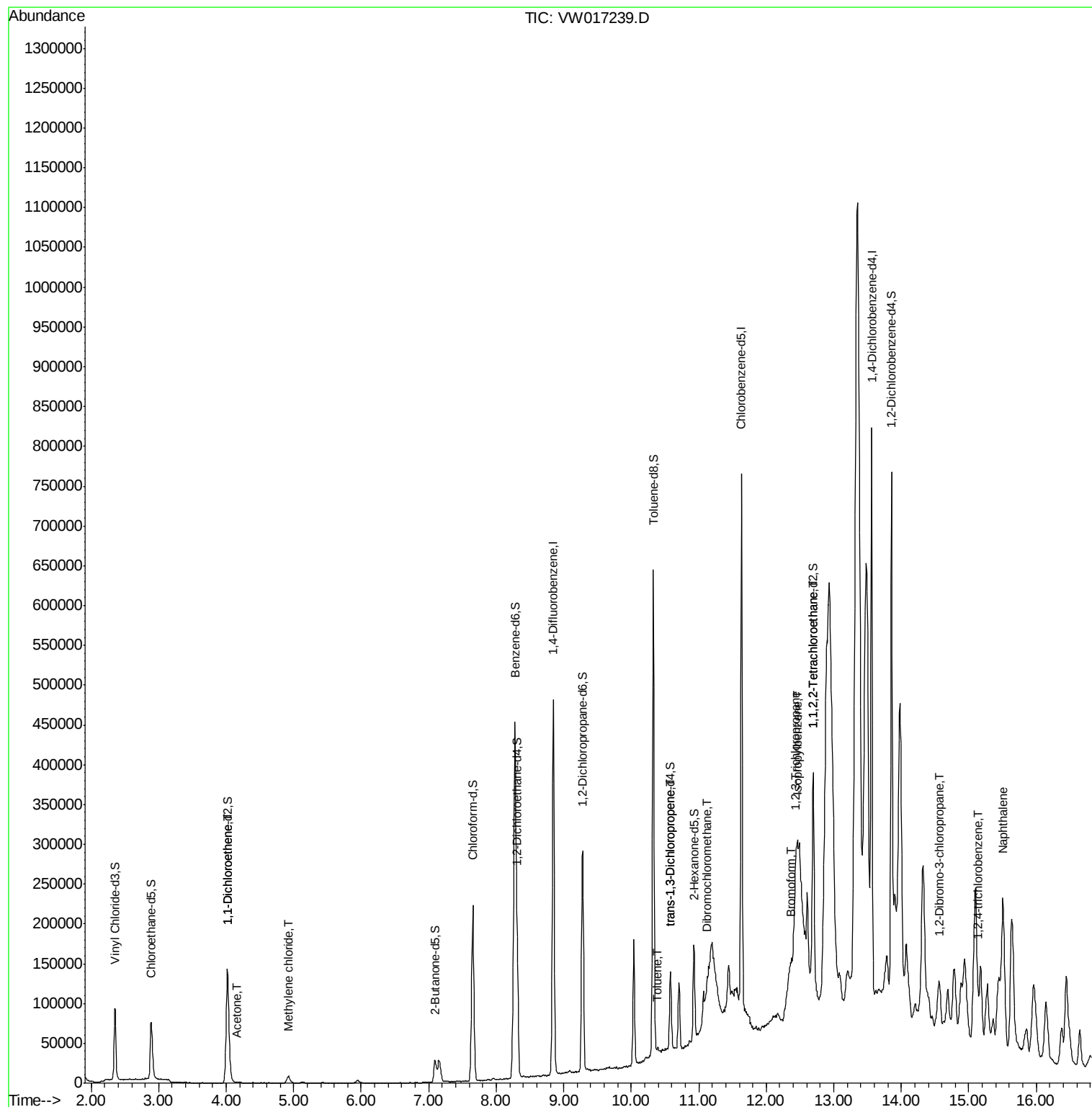
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.02	96	1465	0.277	ug/L #	1
13) Acetone	4.16	43	512	0.638	ug/L	99
16) Methylene chloride	4.93	84	7186	1.252	ug/L	98
44) Toluene	10.39	91	5362	0.242	ug/L	88
45) trans-1,3-Dichloropropene	10.58	75	3385	0.528	ug/L #	18
50) Dibromochloromethane	11.12	129	7015	1.418	ug/L #	43
57) Isopropylbenzene	12.46	105	5898	0.236	ug/L #	58
58) 1,1,2,2-Tetrachloroethane	12.70	83	4341	0.925	ug/L #	41
59) 1,2,3-Trichloropropane	12.43	75	2496	0.740	ug/L	99
62) Bromoform	12.37	173	4731	1.557	ug/L #	41
66) 1,2-Dibromo-3-chloropropan	14.56	75	1155	1.573	ug/L #	31
68) 1,2,4-trichlorobenzene	15.14	180	1632	0.225	ug/L #	52
69) Naphthalene	15.51	128	20426	1.533	ug/L	99

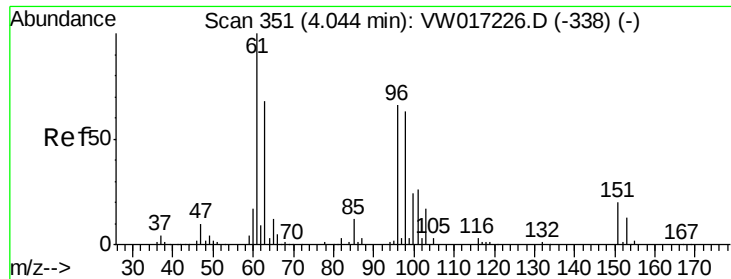
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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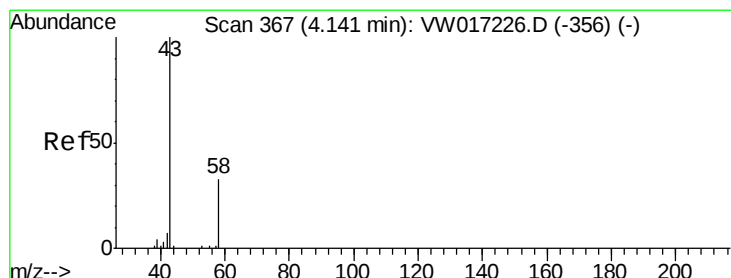
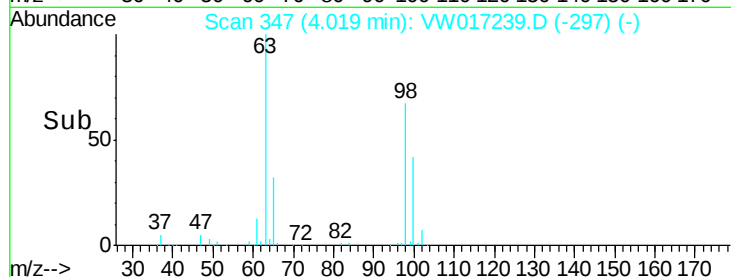
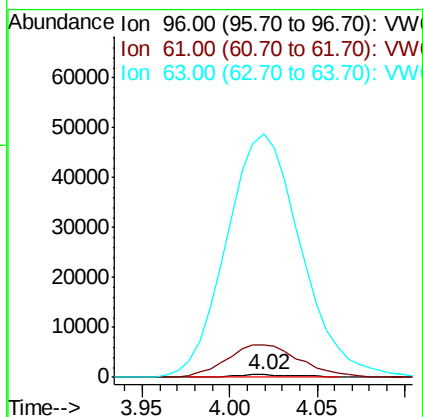
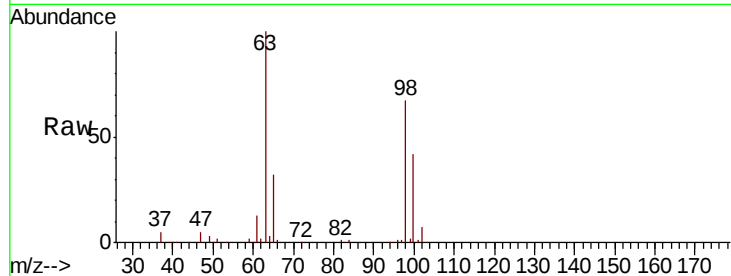




#12
 1,1-Dichloroethene
 Concen: 0.277 ug/L
 RT: 4.02 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VW017239.D
 Acq: 15 Nov 2020 15:39

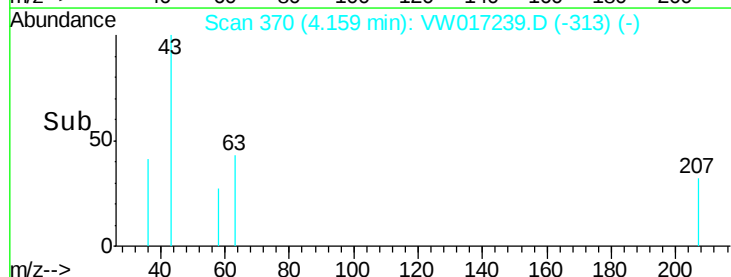
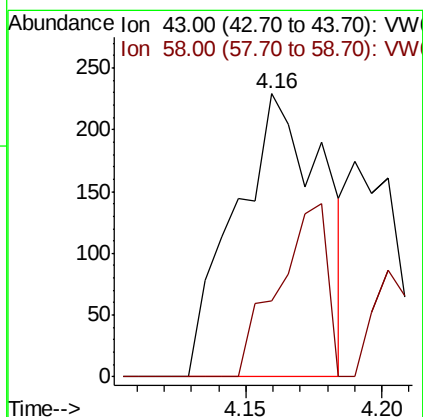
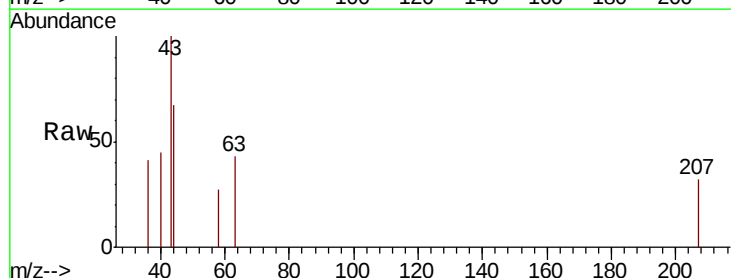
Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK18

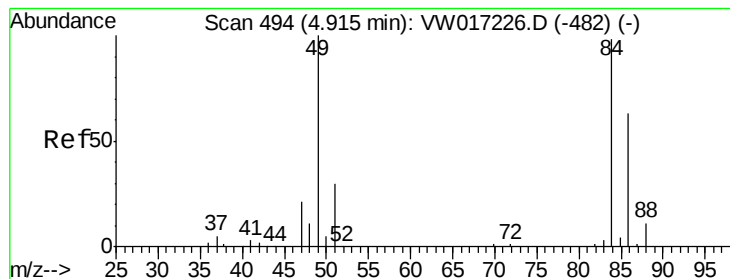
Tot Ion: 96 Resp: 1465
 Ion Ratio Lower Upper
 96 100
 61 1258.8 103.8 192.8#
 63 9487.9 84.4 156.7#



#13
 Acetone
 Concen: 0.638 ug/L
 RT: 4.16 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VW017239.D
 Acq: 15 Nov 2020 15:39

Tgt Ion: 43 Resp: 512
 Ion Ratio Lower Upper
 43 100
 58 34.0 0.0 69.2





#16

Methvlene chloride

Concen: 1.252 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VIBLK18

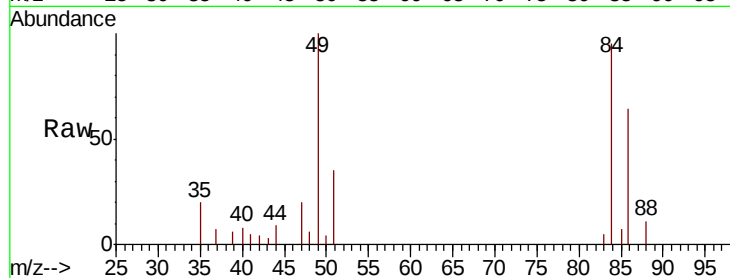
Tot Ion: 84 Resp: 7186

Ion Ratio Lower Upper

84 100

49 105.1 72.3 134.3

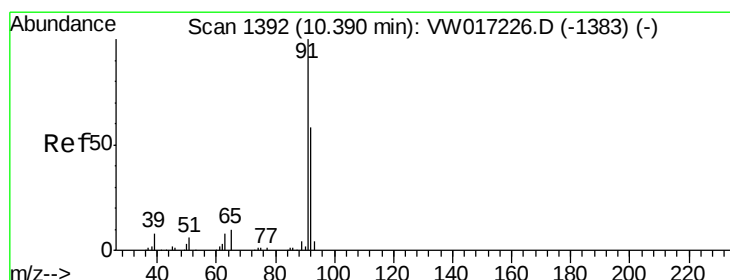
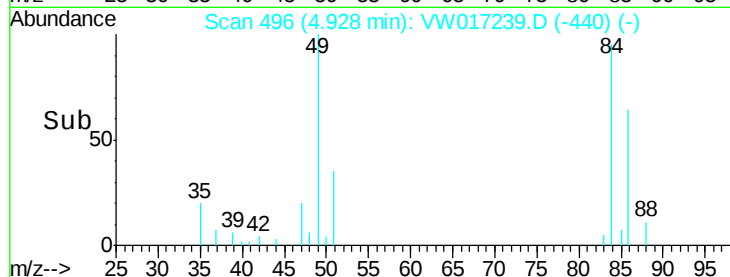
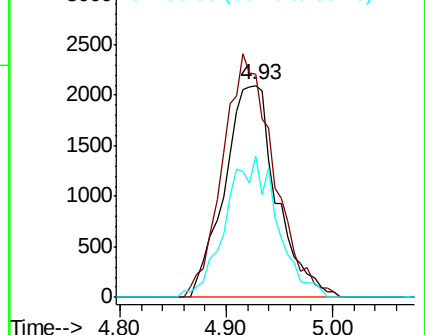
86 66.7 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#44

Toluene

Concen: 0.242 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017239.D

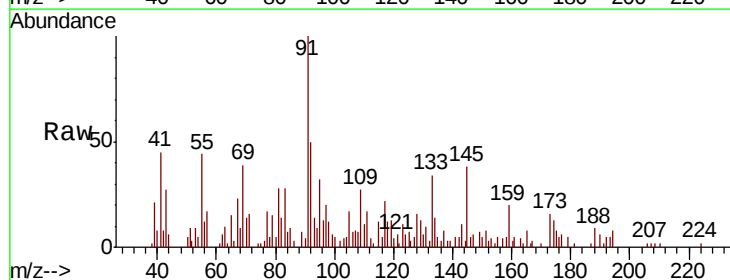
Acq: 15 Nov 2020 15:39

Tgt Ion: 91 Resp: 5362

Ion Ratio Lower Upper

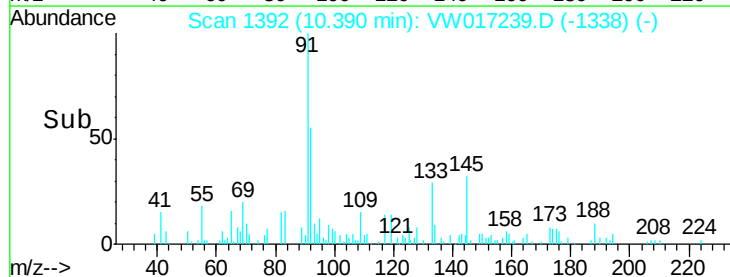
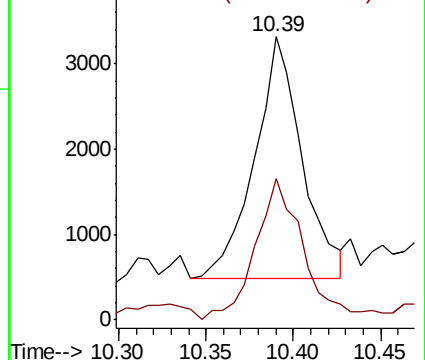
91 100

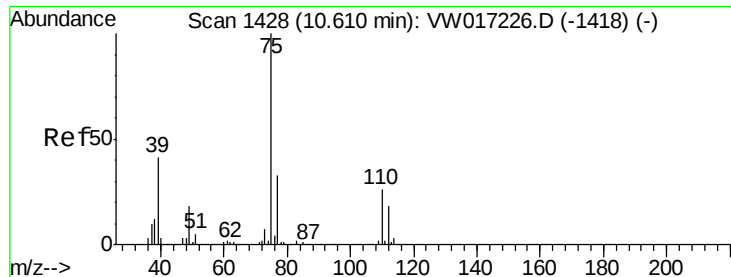
92 49.8 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.528 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

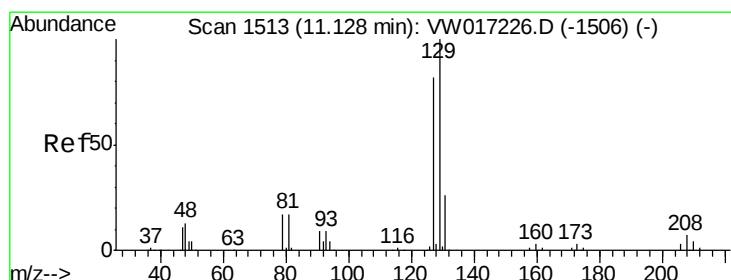
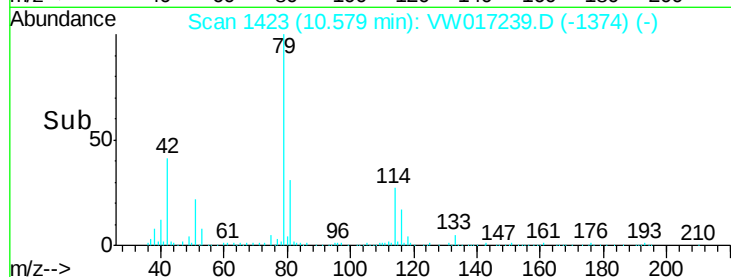
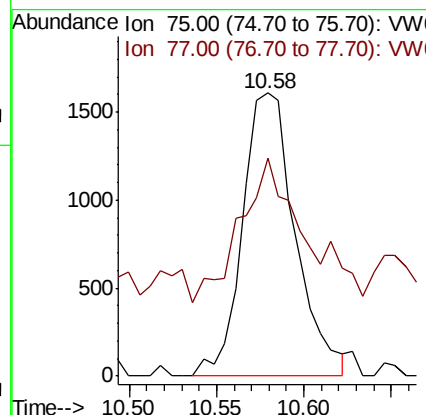
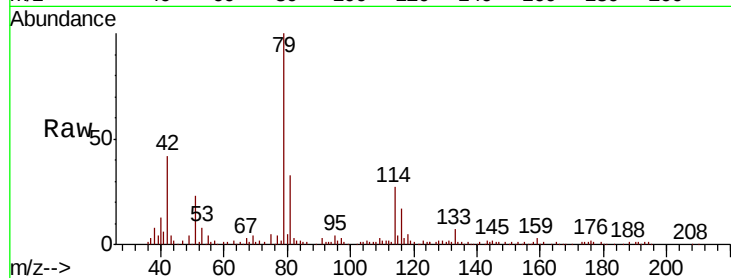
VIBLK18

Tot Ion: 75 Resp: 3385

Ion Ratio Lower Upper

75 100

77 76.9 22.1 41.1#



#50

Dibromochloromethane

Concen: 1.418 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW017239.D

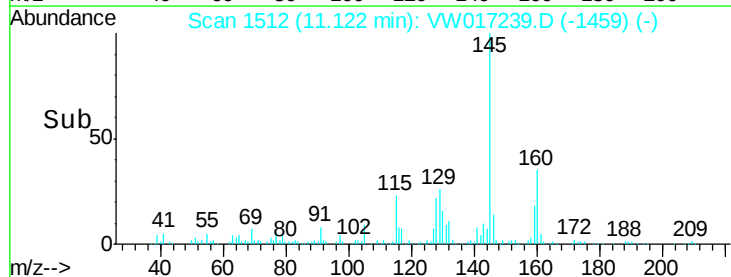
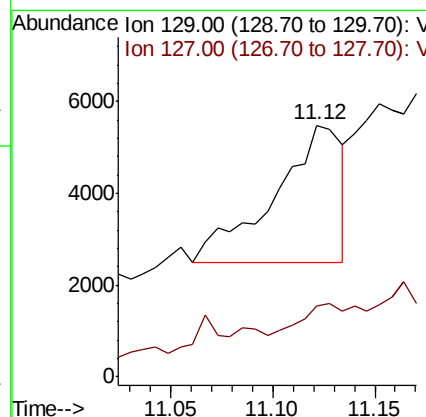
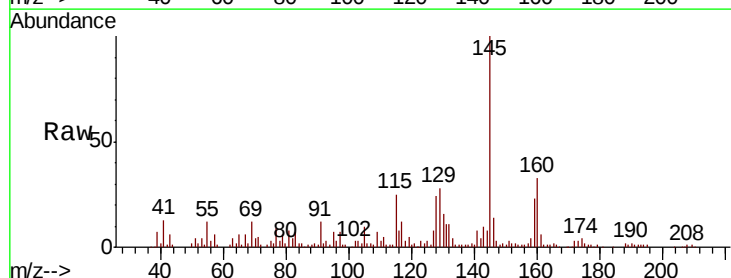
Acq: 15 Nov 2020 15:39

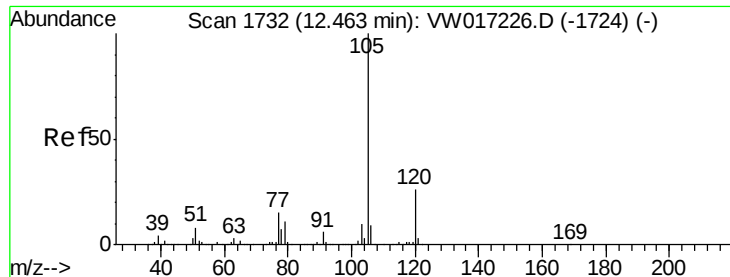
Tgt Ion: 129 Resp: 7015

Ion Ratio Lower Upper

129 100

127 28.3 54.3 100.9#





#57

Isopropylbenzene

Concen: 0.236 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

Instrument :

MSVOA_W

ClientSampled :

VIBLK18

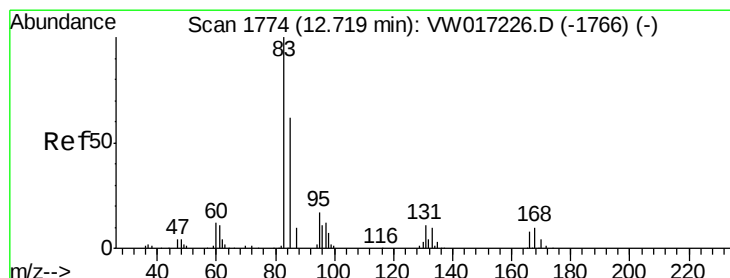
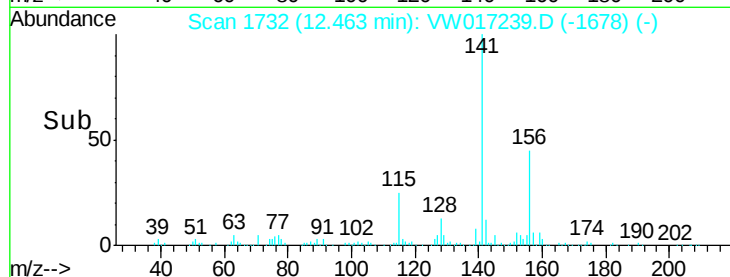
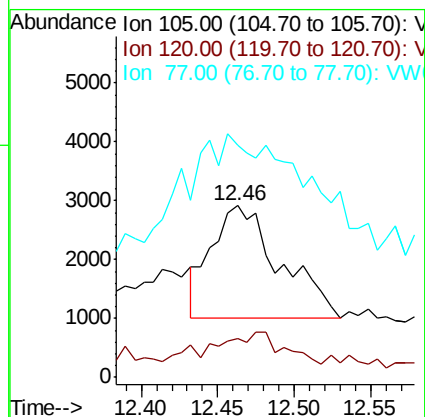
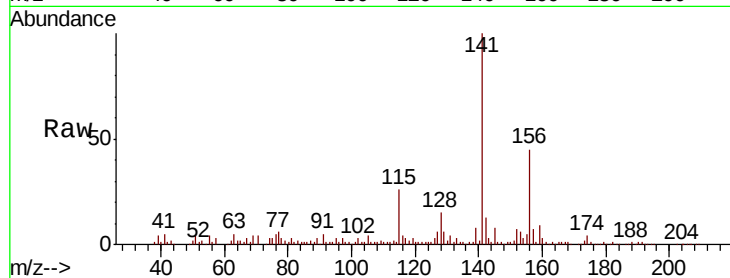
Tot Ion:105 Resp: 5898

Ion Ratio Lower Upper

105 100

120 3.1 21.8 32.6#

77 0.0 11.4 17.0#



#58

1,1,2,2-Tetrachloroethane

Concen: 0.925 ug/L

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

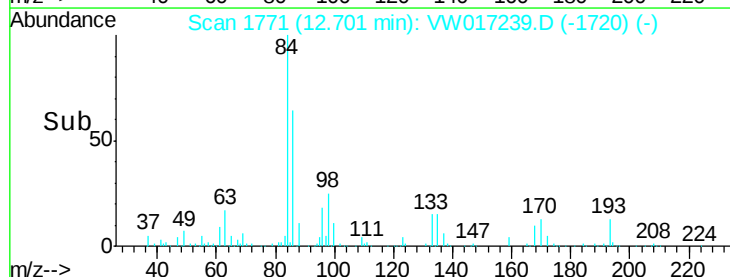
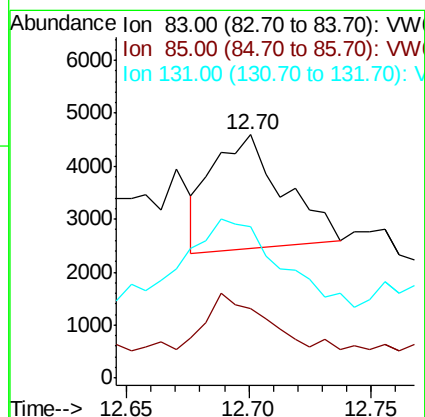
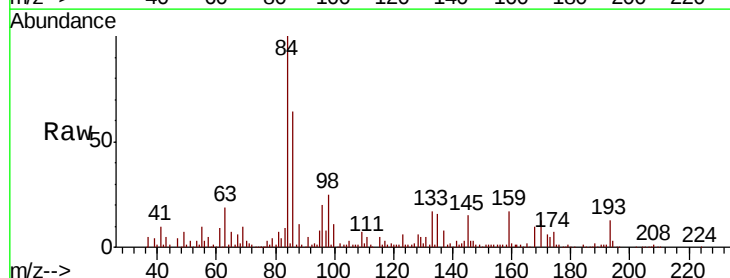
Tgt Ion: 83 Resp: 4341

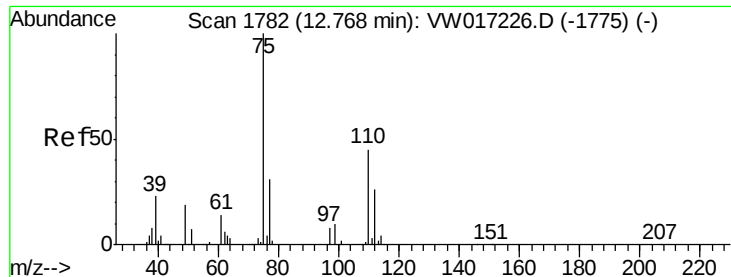
Ion Ratio Lower Upper

83 100

85 28.4 44.9 83.5#

131 62.0 8.8 13.2#





#59

1,2,3-Trichloropropane

Concen: 0.740 ug/L

RT: 12.43 min Scan# 1727

Delta R.T. -0.34 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

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ClientSampleId :

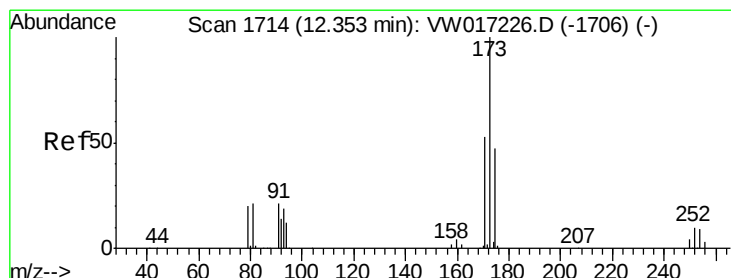
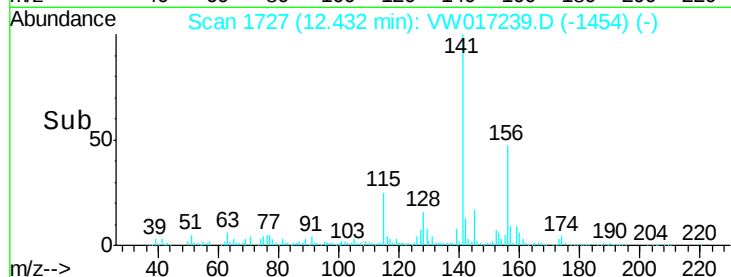
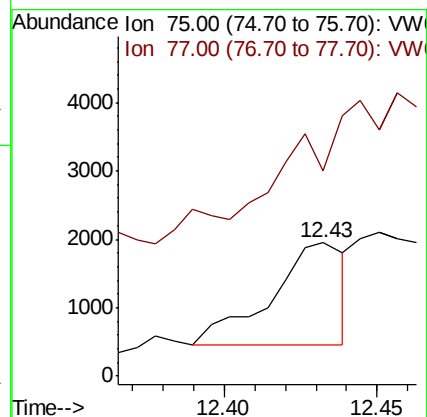
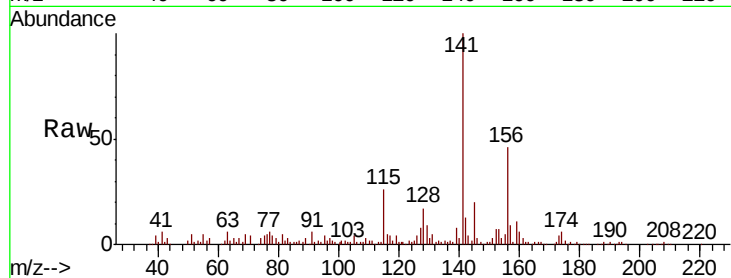
VIBLK18

Tot Ion: 75 Resp: 2496

Ion Ratio Lower Upper

75 100

77 32.3 26.4 39.6



#62

Bromoform

Concen: 1.557 ug/L

RT: 12.37 min Scan# 1716

Delta R.T. 0.01 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

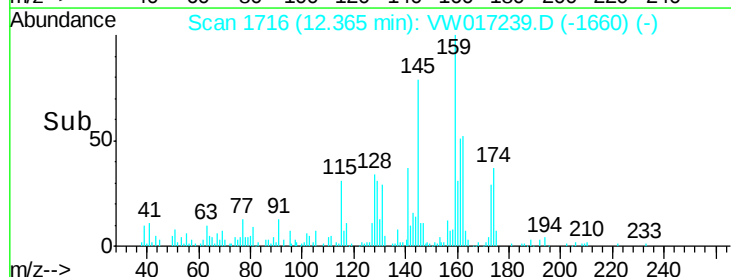
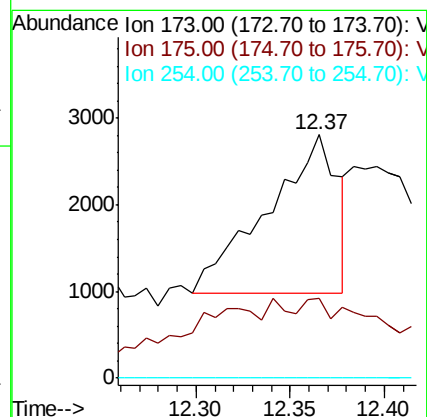
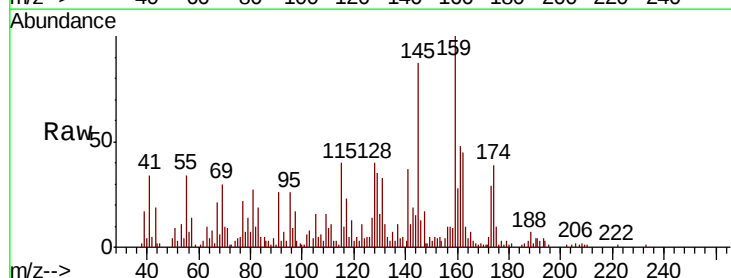
Tgt Ion: 173 Resp: 4731

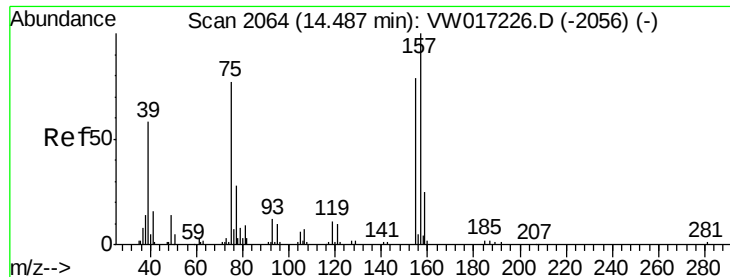
Ion Ratio Lower Upper

173 100

175 3.8 38.3 57.5#

254 0.0 8.1 12.1#

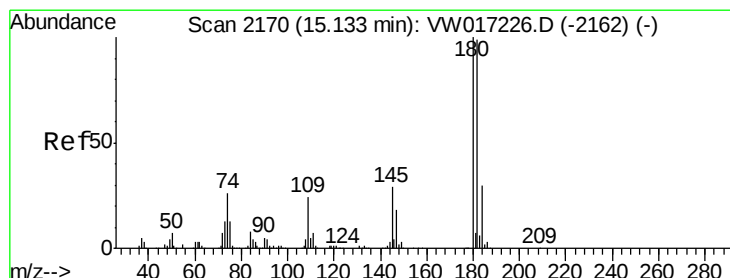
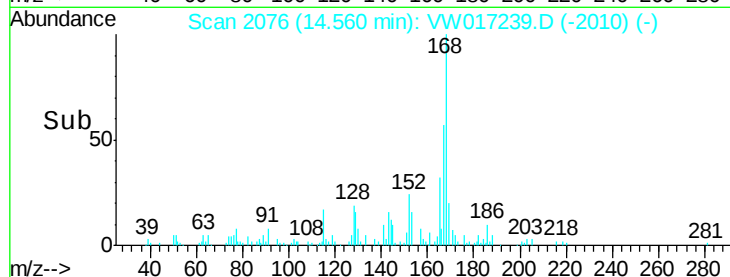
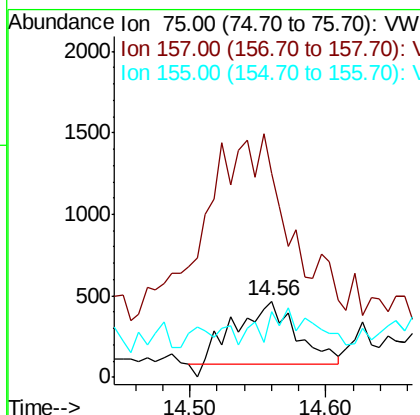
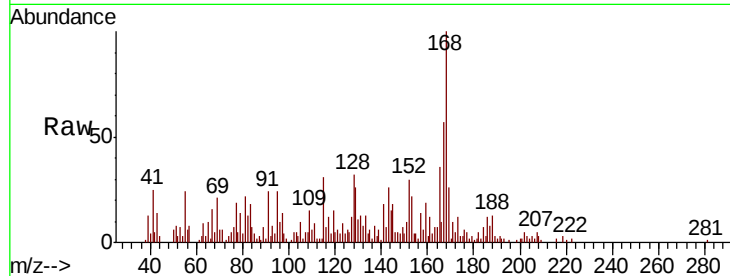




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.573 ug/L
 RT: 14.56 min Scan# 2076
 Delta R.T. 0.07 min
 Lab File: VW017239.D
 Acq: 15 Nov 2020 15:39

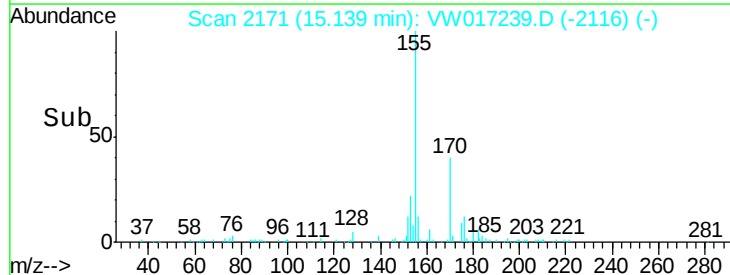
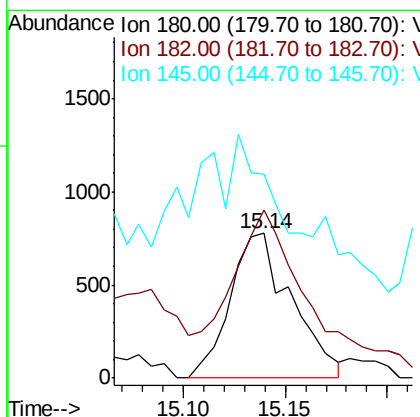
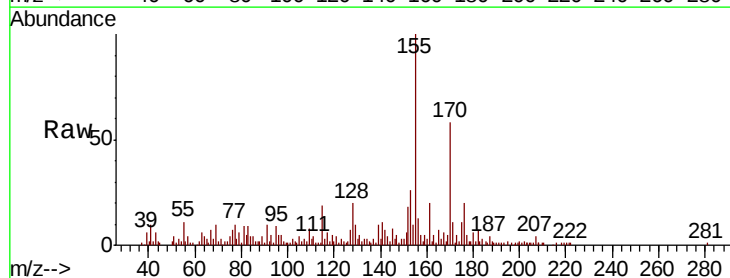
Instrument :
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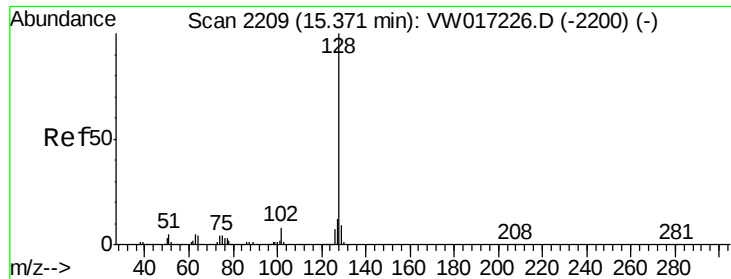
Tot Ion: 75 Resp: 1155
 Ion Ratio Lower Upper
 75 100
 157 266.7 108.2 162.4#
 155 85.9 79.1 118.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.225 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW017239.D
 Acq: 15 Nov 2020 15:39

Tgt Ion: 180 Resp: 1632
 Ion Ratio Lower Upper
 180 100
 182 155.8 76.7 115.1#
 145 32.2 23.6 35.4





#69

Naphthalene

Concen: 1.533 ug/L

RT: 15.51 min Scan# 2231

Delta R.T. 0.13 min

Lab File: VW017239.D

Acq: 15 Nov 2020 15:39

Instrument :

MSVOA_W

ClientSampleId :

VIBLK18

Tot Ion:128 Resp: 20426

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.0 10.2 15.2

