

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017265.D
 Acq On : 16 Nov 2020 18:28
 Operator : SY/VA
 Sample : L4727-13RE
 Misc : 4.02G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC8RE

Quant Time: Nov 17 06:12:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 06:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	408950	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	304864	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	82431	25.00	ug/L	0.00

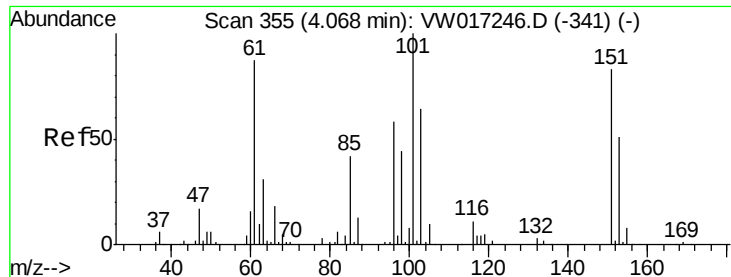
System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107137	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.20%
7) Chloroethane-d5	2.89	69	95005	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
10) 1,1-Dichloroethene-d2	4.02	63	152405	16.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.16%
20) 2-Butanone-d5	7.08	46	47226	41.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.00%
24) Chloroform-d	7.65	84	239997	25.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	8.31	65	117354	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
29) Benzene-d6	8.27	84	466433	30.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.16%
33) 1,2-Dichloropropane-d6	9.27	67	131415	30.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.40%#
37) Toluene-d8	10.32	98	406062	27.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.96%
38) trans-1,3-Dichloropropene-	10.58	79	44292	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.52%
39) 2-Hexanone-d5	10.93	63	33078	44.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86459	23.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	74440	25.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1553	0.294	ug/L #	17
13) Acetone	4.13	43	8349	10.825	ug/L	64
15) Methyl Acetate	4.69	43	1526	0.798	ug/L #	75
16) Methylene chloride	4.92	84	11413	2.070	ug/L	94
36) Methylcyclohexane	9.28	83	34759	4.817	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	3783	0.638	ug/L #	72
44) Toluene	10.39	91	5319	0.302	ug/L	83
45) trans-1,3-Dichloropropene	10.57	75	2113	0.415	ug/L #	72
59) 1,2,3-Trichloropropane	12.93	75	634	0.237	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	14.46	75	1681	5.498	ug/L #	1
69) Naphthalene	15.37	128	3892	0.701	ug/L #	70
70) 1,2,3-Trichlorobenzene	15.56	180	743	0.270	ug/L #	1

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



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.294 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017265.D

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Instrument :

MSVOA_W

ClientSampleId :

C0AC8RE

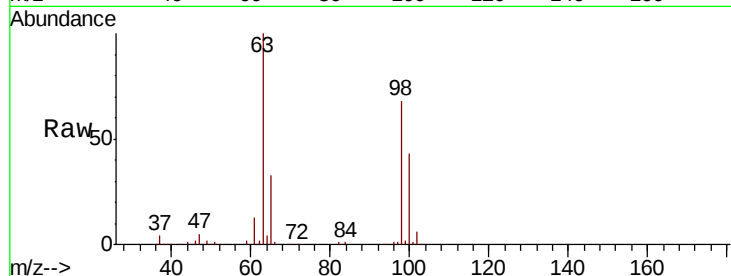
Tot Ion:101 Resp: 1553

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

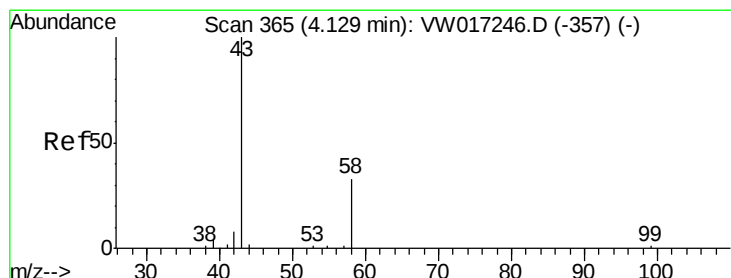
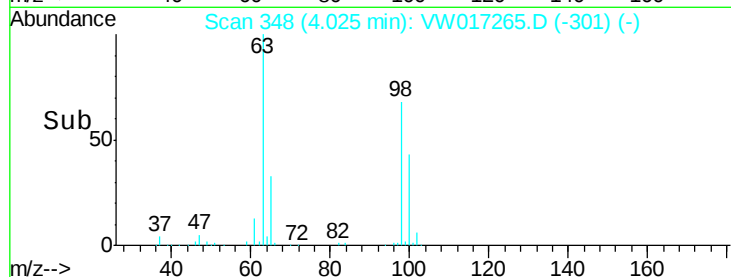
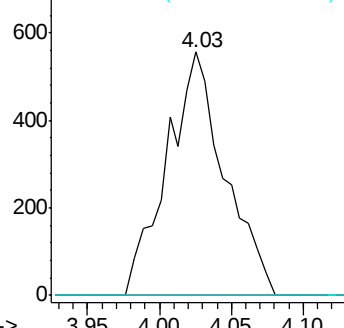
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 10.825 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017265.D

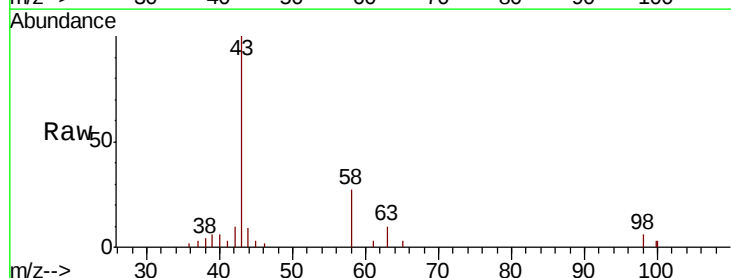
Acq: 16 Nov 2020 18:28

Tgt Ion: 43 Resp: 8349

Ion Ratio Lower Upper

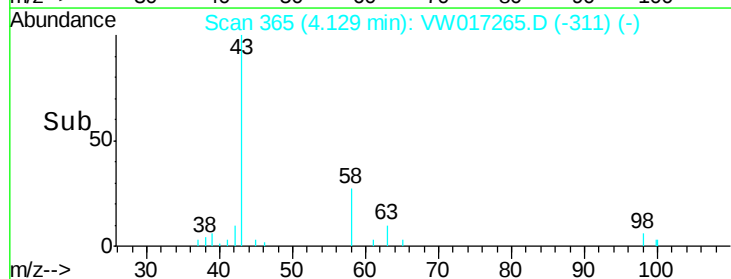
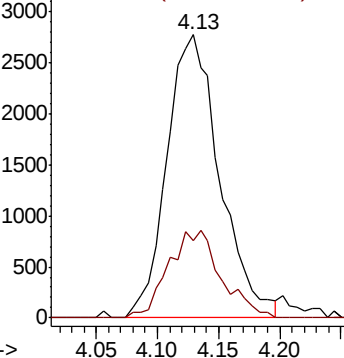
43 100

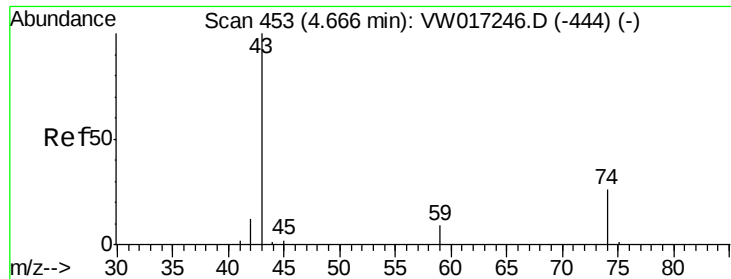
58 13.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

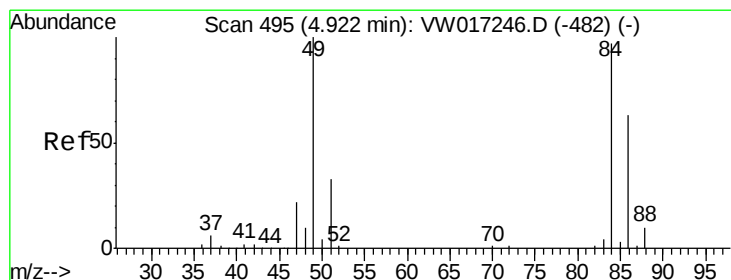
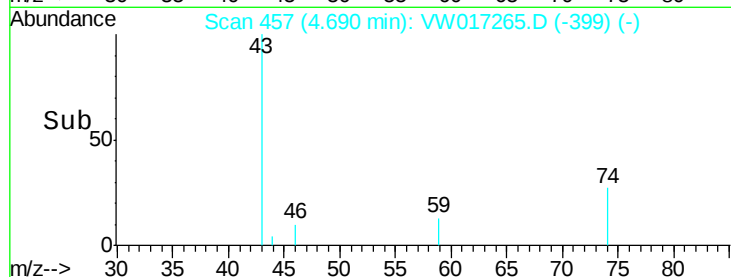
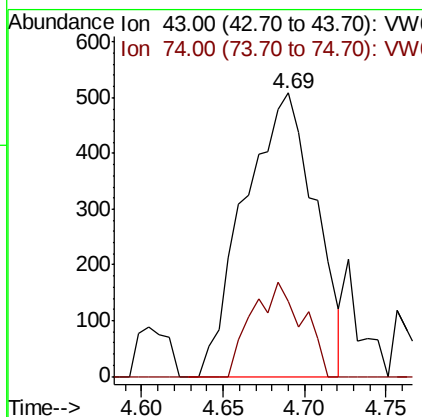
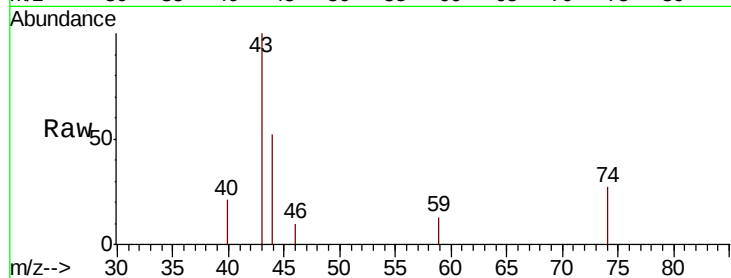




#15
Methvl Acetate
Concen: 0.798 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW017265.D
Acq: 16 Nov 2020 18:28

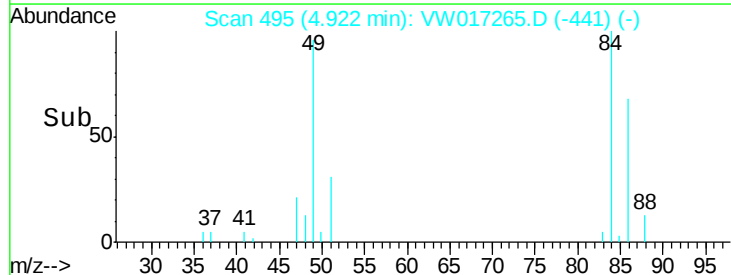
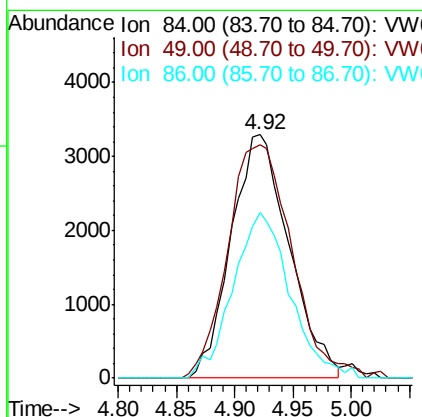
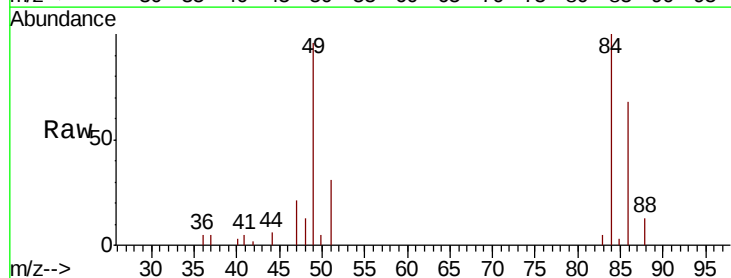
Instrument :
MSVOA_W
ClientSampleId :
C0AC8RE

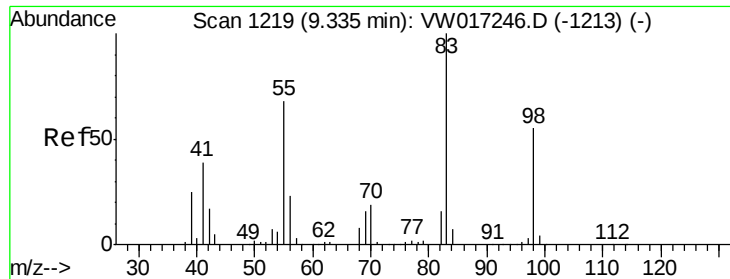
Tot Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
74 13.8 21.5 32.3#



#16
Methylene chloride
Concen: 2.070 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017265.D
Acq: 16 Nov 2020 18:28

Tgt Ion: 84 Resp: 11413
Ion Ratio Lower Upper
84 100
49 96.0 72.3 134.3
86 67.8 45.1 83.7

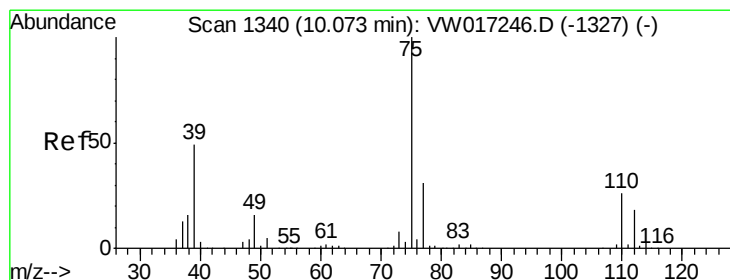
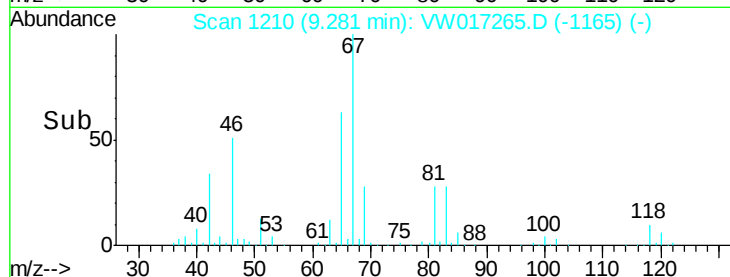
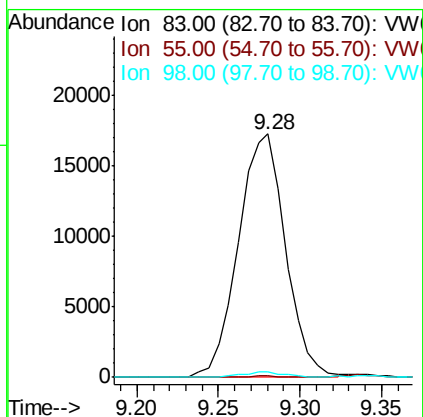
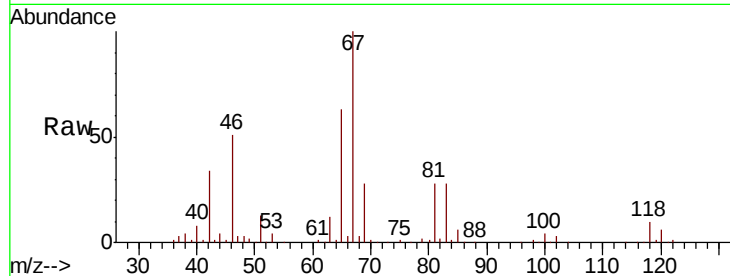




#36
Methylcyclohexane
Concen: 4.817 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW017265.D
Acq: 16 Nov 2020 18:28

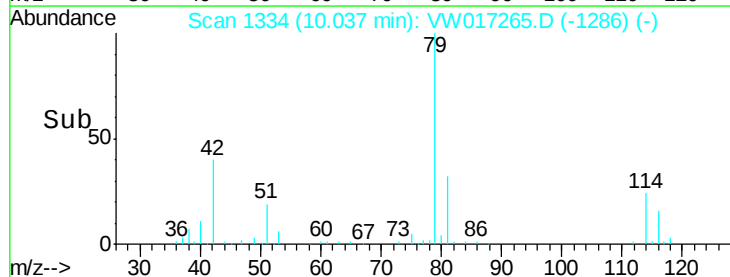
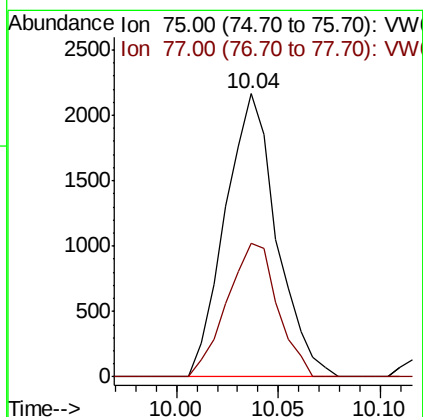
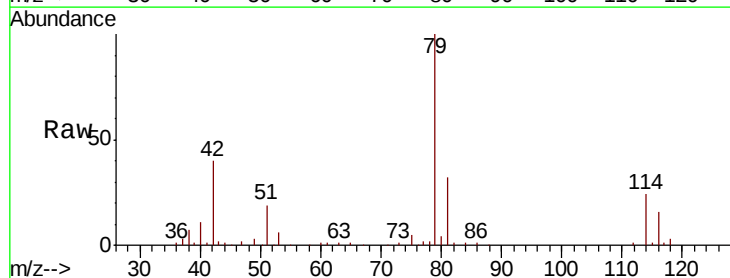
Instrument :
MSVOA_W
ClientSampleId :
C0AC8RE

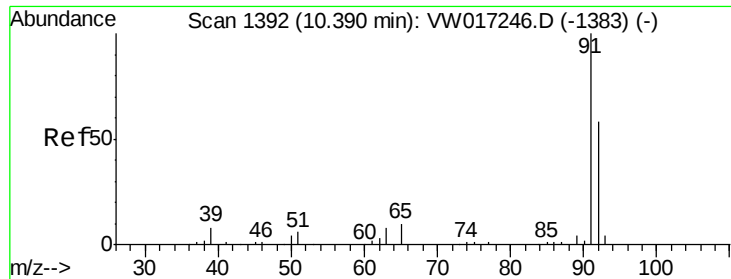
Tot Ion: 83 Resp: 34759
Ion Ratio Lower Upper
83 100
55 0.4 54.4 81.6#
98 1.8 40.5 60.7#



#42
cis-1,3-Dichloropropene
Concen: 0.638 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017265.D
Acq: 16 Nov 2020 18:28

Tgt Ion: 75 Resp: 3783
Ion Ratio Lower Upper
75 100
77 47.1 22.0 41.0#





#44

Toluene

Concen: 0.302 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017265.D

Acq: 16 Nov 2020 18:28

Instrument :

MSVOA_W

ClientSampleId :

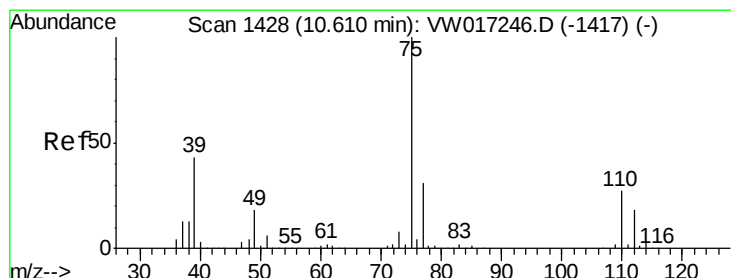
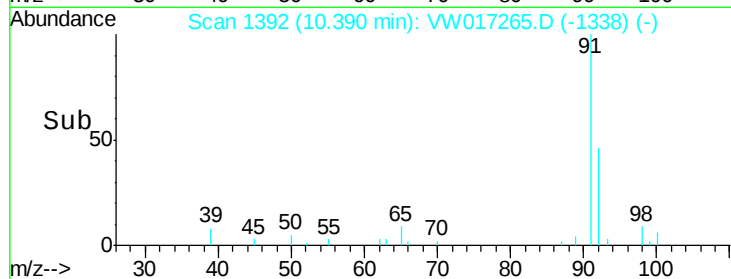
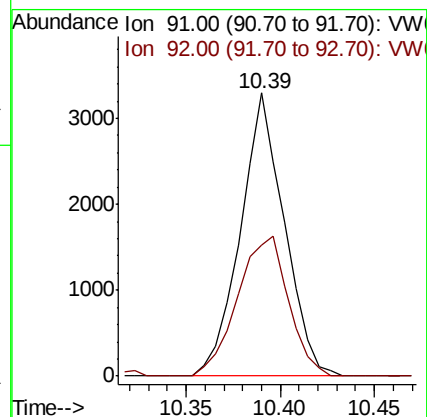
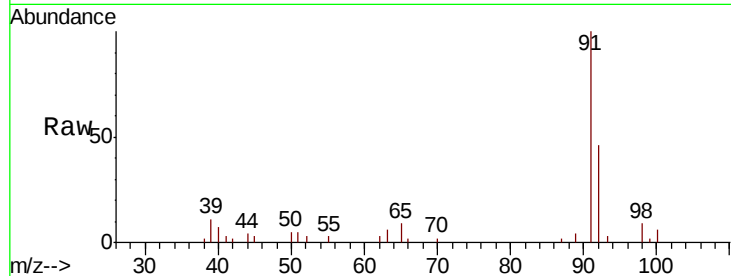
C0AC8RE

Tot Ion: 91 Resp: 5319

Ion Ratio Lower Upper

91 100

92 46.4 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 0.415 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW017265.D

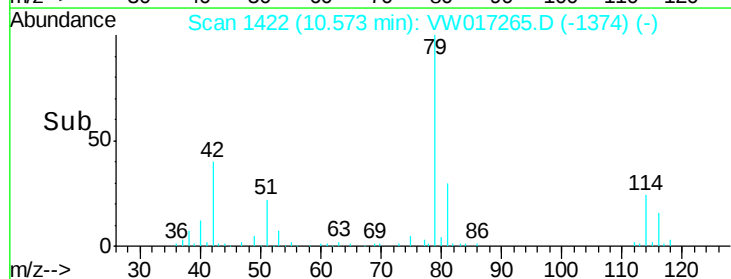
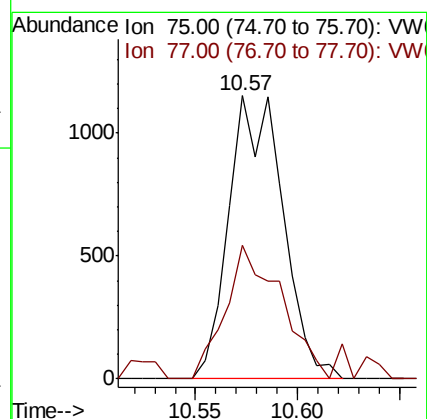
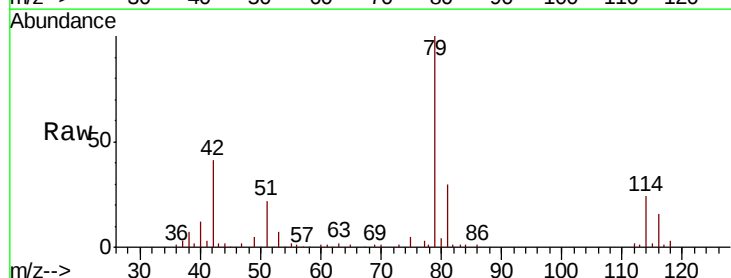
Acq: 16 Nov 2020 18:28

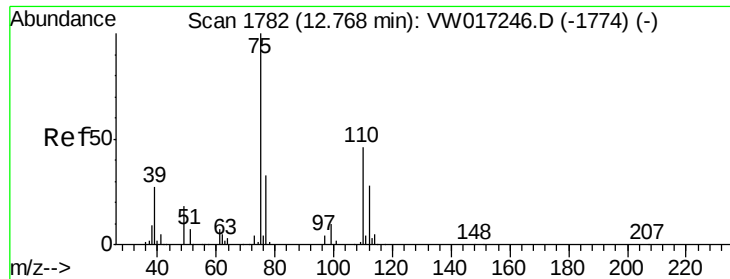
Tgt Ion: 75 Resp: 2113

Ion Ratio Lower Upper

75 100

77 47.4 22.1 41.1#





#59

1,2,3-Trichloropropane

Concen: 0.237 ug/L

RT: 12.93 min Scan# 1809

Delta R.T. 0.16 min

Lab File: VW017265.D

Acq: 16 Nov 2020 18:28

Instrument :

MSVOA_W

ClientSampleId :

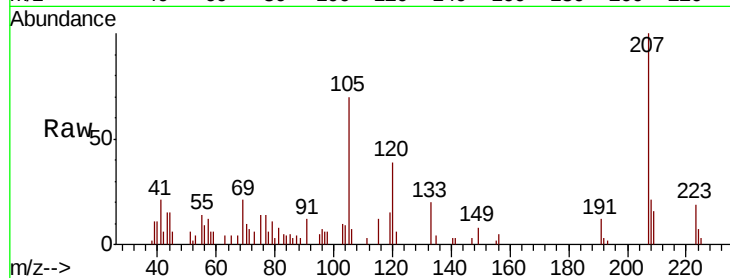
C0AC8RE

Tot Ion: 75 Resp: 634

Ion Ratio Lower Upper

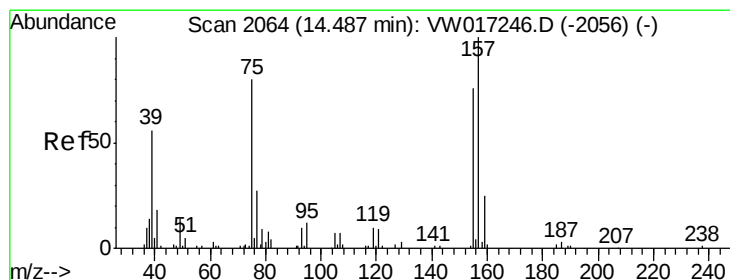
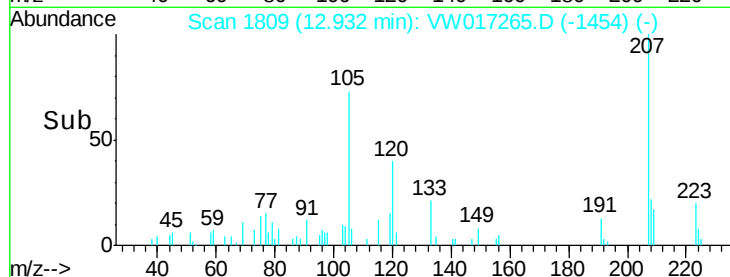
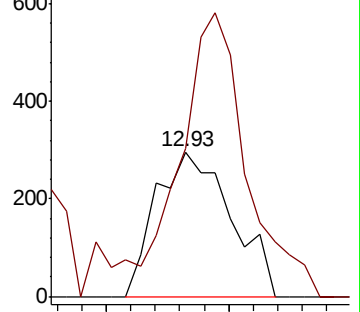
75 100

77 168.6 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#66

1,2-Dibromo-3-chloropropane

Concen: 5.498 ug/L

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW017265.D

Acq: 16 Nov 2020 18:28

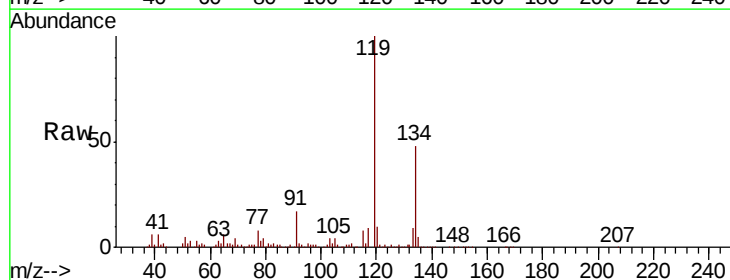
Tgt Ion: 75 Resp: 1681

Ion Ratio Lower Upper

75 100

157 0.0 108.2 162.4#

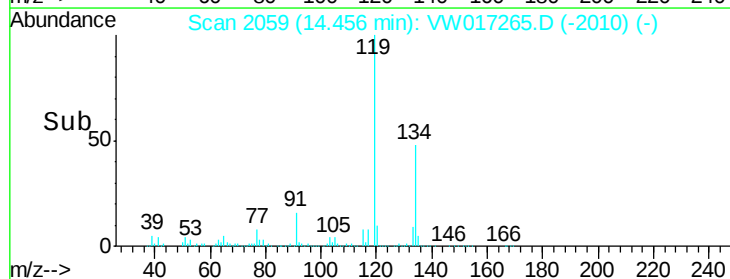
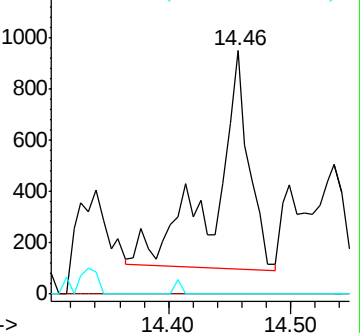
155 0.0 79.1 118.7#

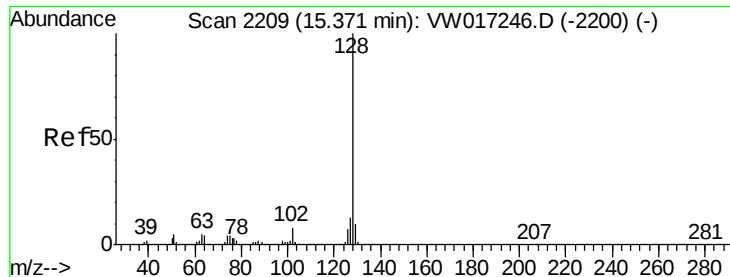


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 0.701 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017265.D

Acq: 16 Nov 2020 18:28

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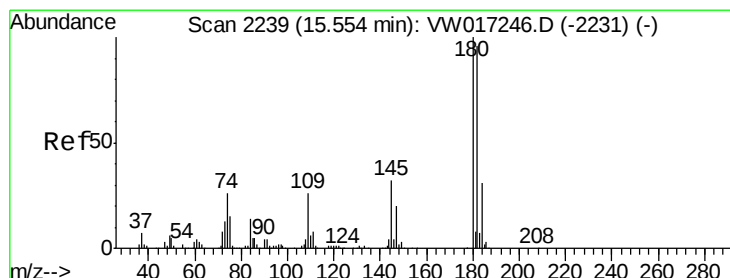
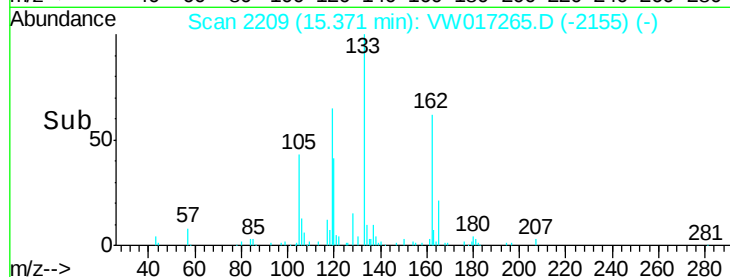
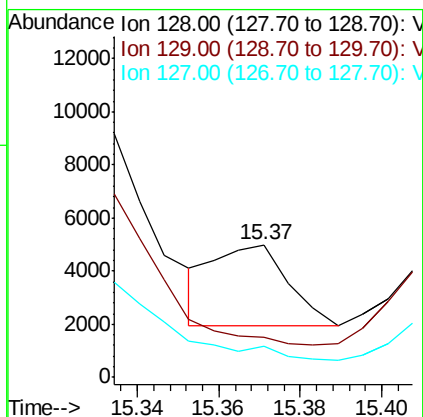
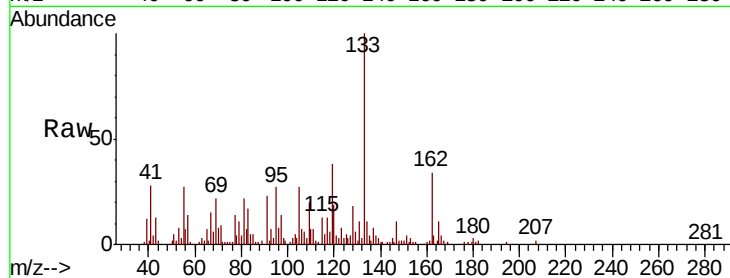
Tot Ion:128 Resp: 3892

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 0.0 10.2 15.2#



#70

1,2,3-Trichlorobenzene

Concen: 0.270 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017265.D

Acq: 16 Nov 2020 18:28

Tgt Ion:180 Resp: 743

Ion Ratio Lower Upper

180 100

182 73.8 75.5 113.3#

145 15089.9 24.5 36.7#

