

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011321\
 Data File : VW017866.D
 Acq On : 13 Jan 2021 22:34
 Operator : SY/VA
 Sample : M1099-03RE
 Misc : 4.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C03RE

Quant Time: Jan 14 11:44:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 11:39:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	76080	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	69001	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	25099	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33534	28.49	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	113.96%		
7) Chloroethane-d5	2.89	69	27006	27.80	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	111.20%		
10) 1,1-Dichloroethene-d2	4.01	63	43279	21.10	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery =	84.40%		
20) 2-Butanone-d5	7.08	46	10794	56.58	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery =	113.16%		
24) Chloroform-d	7.65	84	53878	27.10	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery =	108.40%		
26) 1,2-Dichloroethane-d4	8.30	65	31495	30.61	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery =	122.44%		
29) Benzene-d6	8.27	84	104460	26.88	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery =	107.52%		
33) 1,2-Dichloropropane-d6	9.27	67	30661	28.62	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery =	114.48%		
37) Toluene-d8	10.32	98	89999	24.11	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery =	96.44%		
38) trans-1,3-Dichloropropene-	10.58	79	8816	18.46	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery =	73.84%		
39) 2-Hexanone-d5	10.93	63	6669	49.57	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery =	99.14%		
48) 1,1,2,2-Tetrachloroethane-	12.69	84	21073	26.49	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery =	105.96%		
61) 1,2-Dichlorobenzene-d4	13.85	152	22140	25.33	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery =	101.32%		

Target Compounds

					Qvalue	
13) Acetone	4.12	43	705	4.279	ug/L	88
14) Carbon disulfide	4.37	76	5690	2.032	ug/L	96
15) Methyl Acetate	4.68	43	105	0.329	ug/L #	50
16) Methylene chloride	4.93	84	2651	2.437	ug/L	77
21) 2-Butanone	7.20	43	491	2.216	ug/L	91
25) Chloroform	7.67	83	1214	0.668	ug/L #	61
35) Trichloroethene	9.10	95	1472	1.348	ug/L	94
40) 1,2-Dichloropropane	9.27	63	3767	4.045	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	989	0.665	ug/L #	12
45) trans-1,3-Dichloropropene	10.57	75	604	0.477	ug/L	91
47) Tetrachloroethene	10.87	164	1785	2.091	ug/L	88
49) 2-Hexanone	10.97	43	1102	3.433	ug/L #	56
50) Dibromochloromethane	10.87	129	3261	3.968	ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	5035	8.864	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	2264	1.461	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	1957	1.257	ug/L	86
65) 1,2-Dichlorobenzene	13.58	146	1957	1.438	ug/L #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW017866.D

Acq On : 13 Jan 2021 22:34

Operator : SY/VA

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Misc : 4.00G/10ML/MSVOA_W/SOIL

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ClientSampleId :
F1C03RE

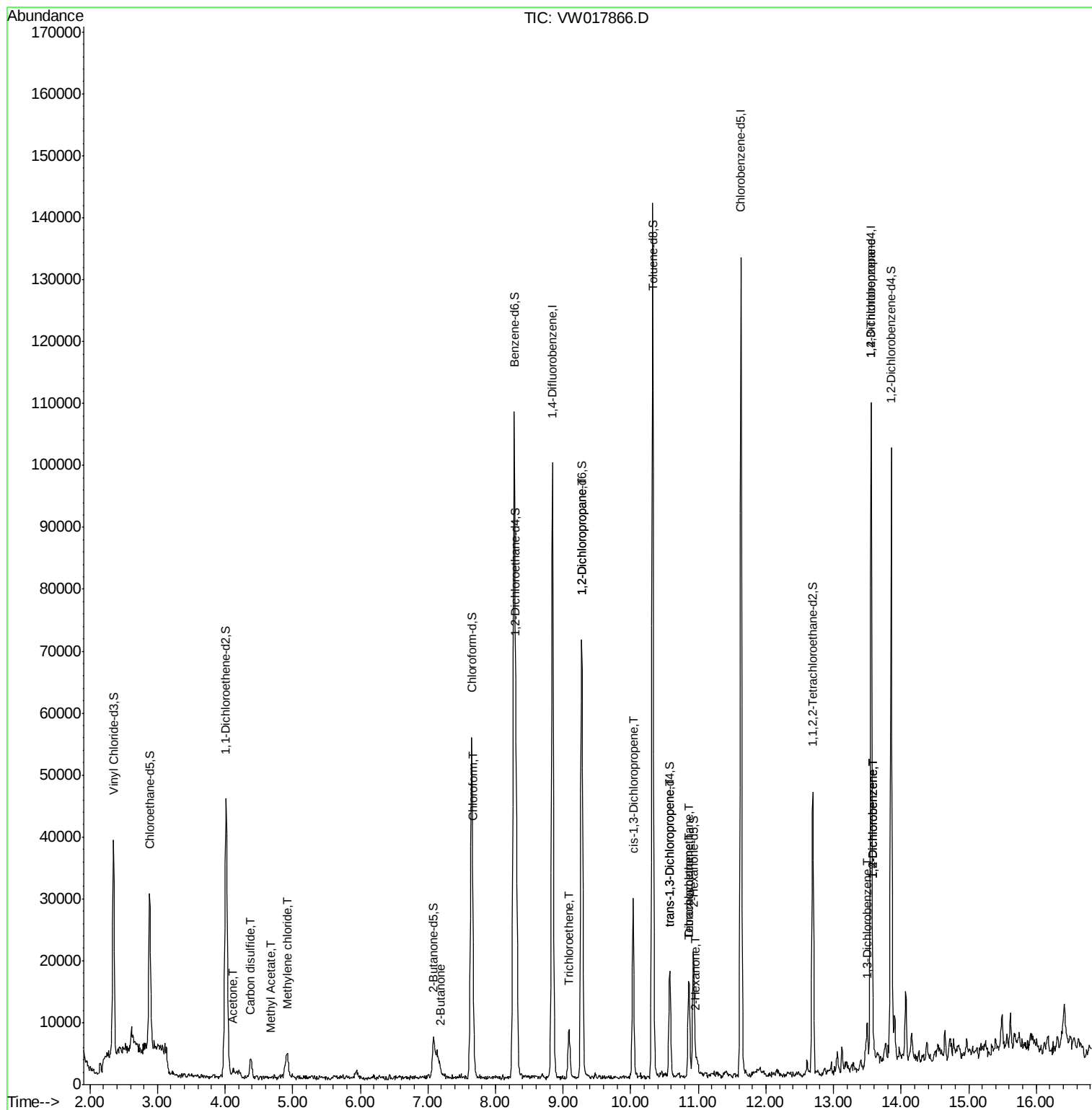
Quant Time: Jan 14 11:44:35 2021

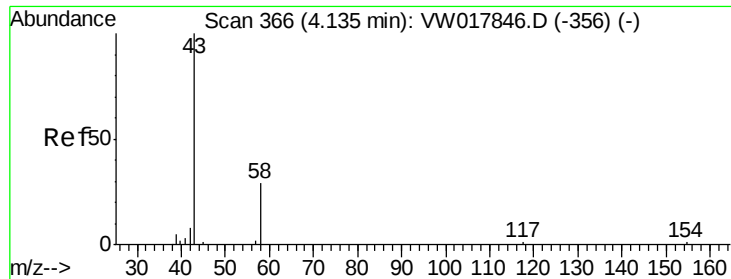
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M

Quant Title : VOC Analysis

QLast Update : Thu Jan 14 11:39:57 2021

Response via : Initial Calibration





#13

Acetone

Concen: 4.279 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampleId :

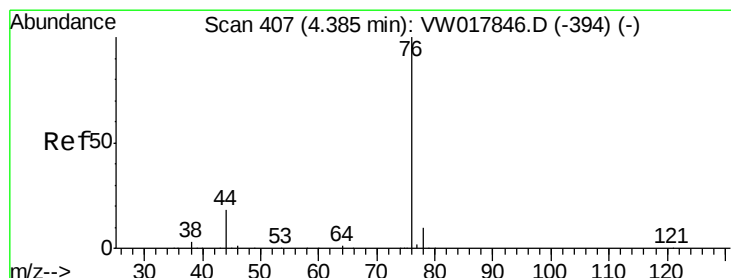
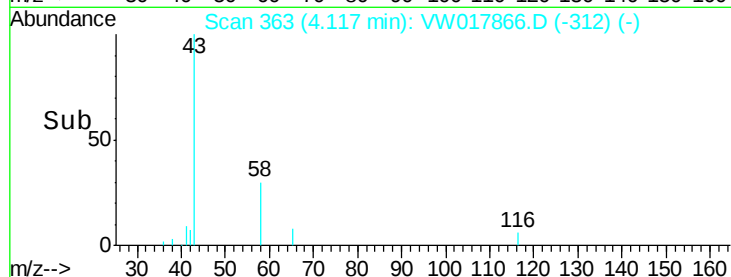
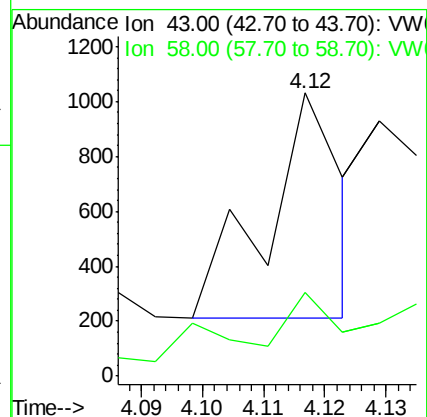
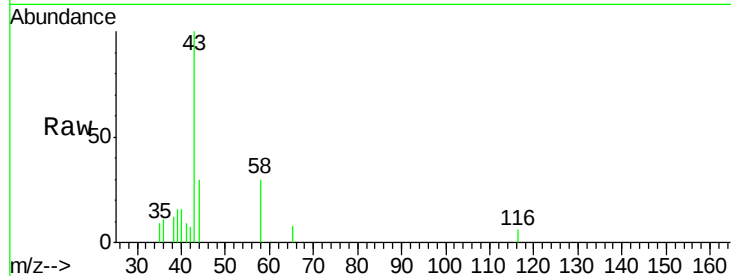
F1C03RE

Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

58 24.1 0.0 60.8



#14

Carbon disulfide

Concen: 2.032 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW017866.D

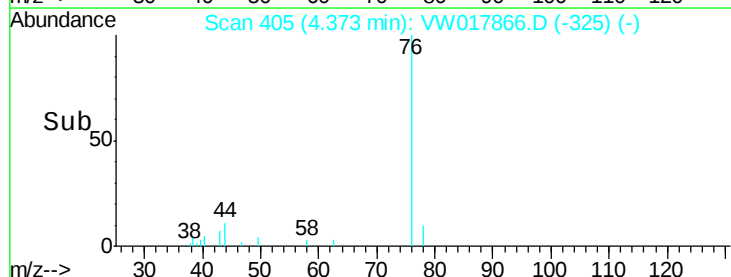
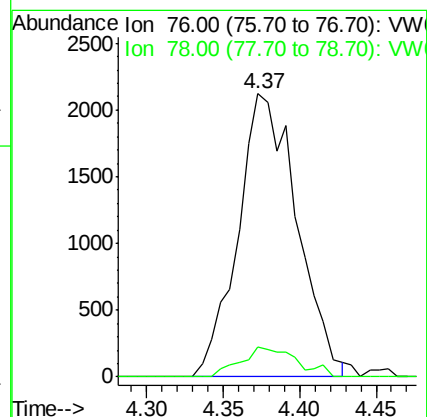
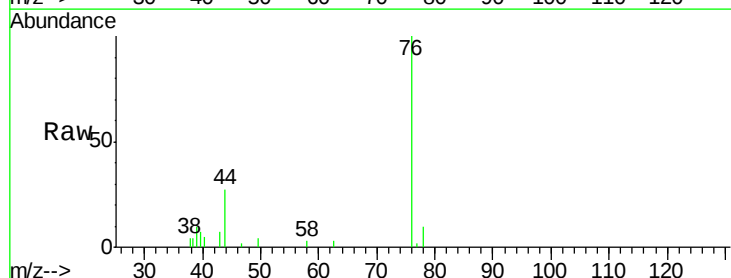
Acq: 13 Jan 2021 22:34

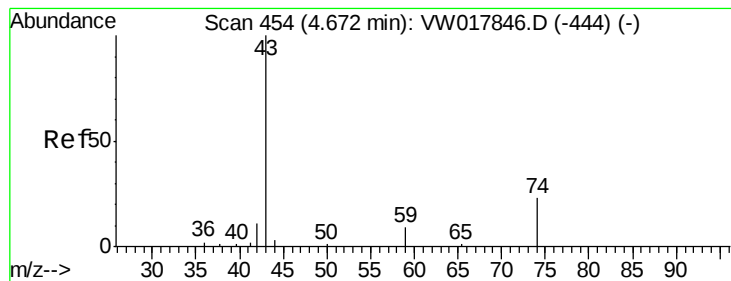
Tgt Ion: 76 Resp: 5690

Ion Ratio Lower Upper

76 100

78 10.4 7.1 10.7





#15

Methyl Acetate

Concen: 0.329 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampled :

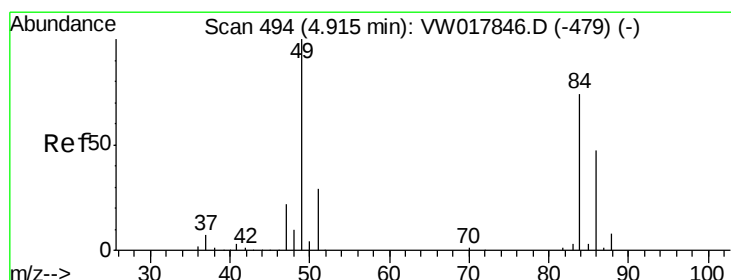
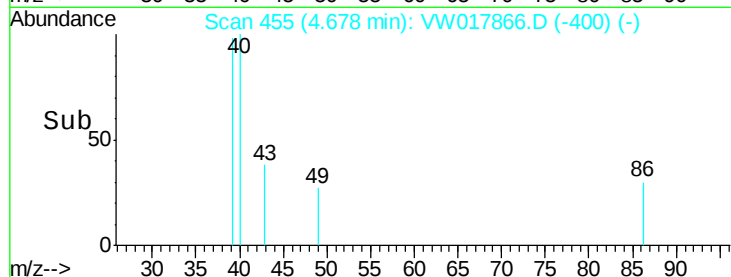
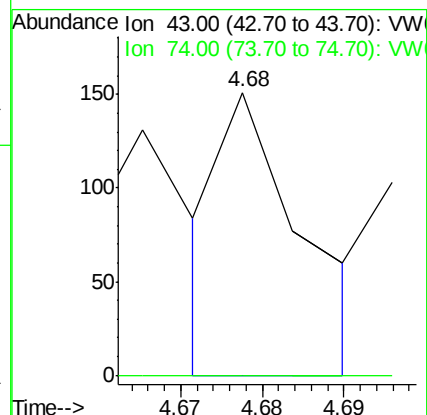
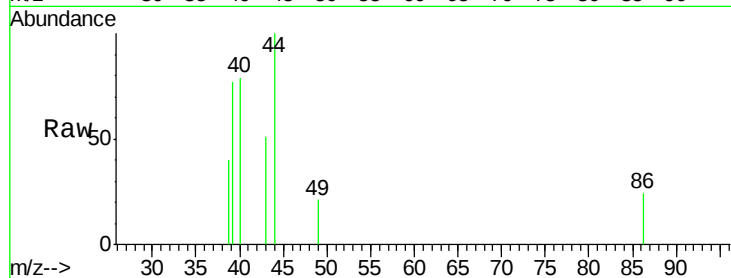
F1C03RE

Tgt Ion: 43 Resp: 105

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.4#



#16

Methylene chloride

Concen: 2.437 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

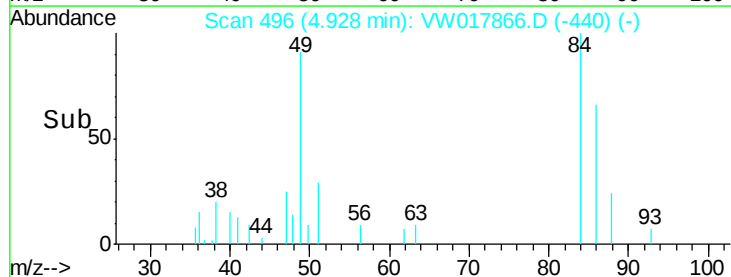
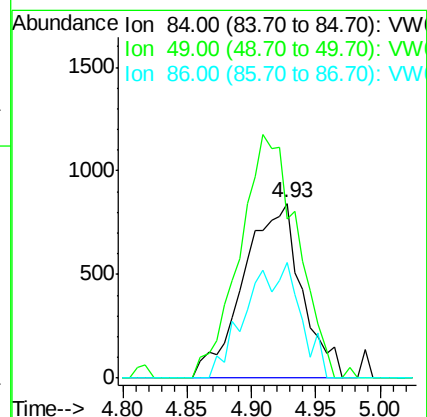
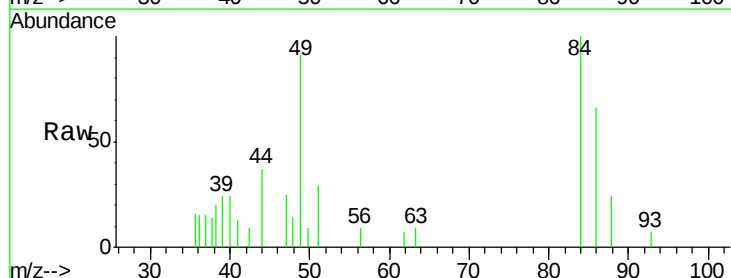
Tgt Ion: 84 Resp: 2651

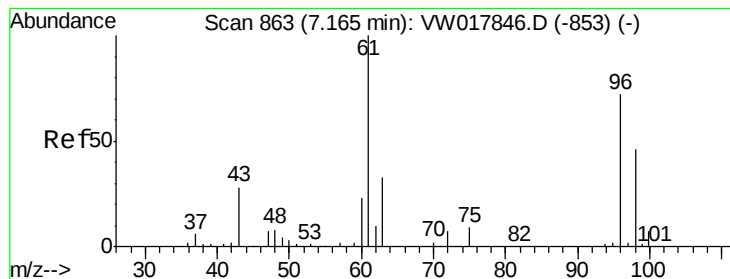
Ion Ratio Lower Upper

84 100

49 91.2 90.5 168.1

86 66.2 44.8 83.2





#21

2-Butanone

Concen: 2.216 ug/L

RT: 7.20 min Scan# 868

Delta R.T. 0.03 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampleId :

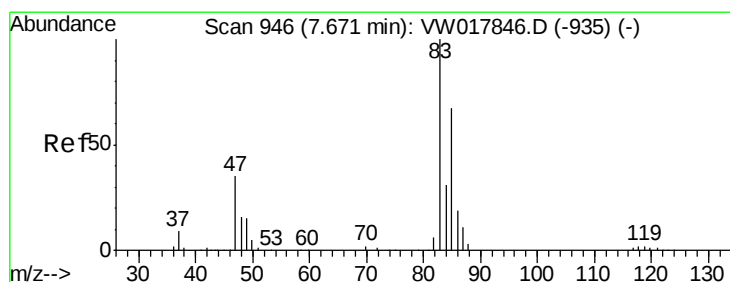
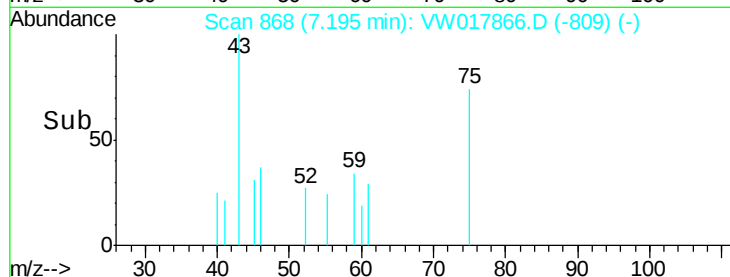
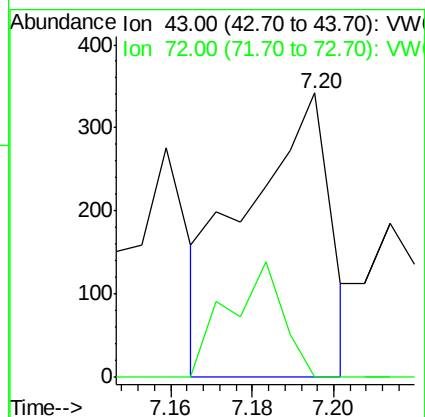
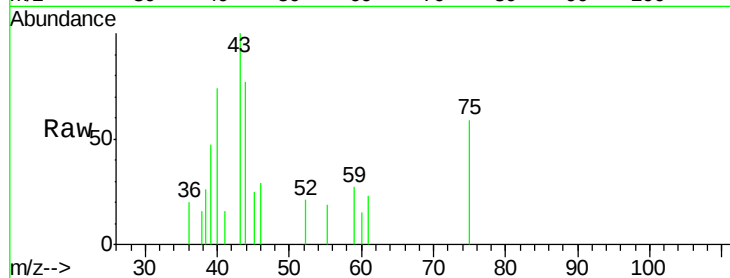
F1C03RE

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

72 26.1 15.4 46.2



#25

Chloroform

Concen: 0.668 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW017866.D

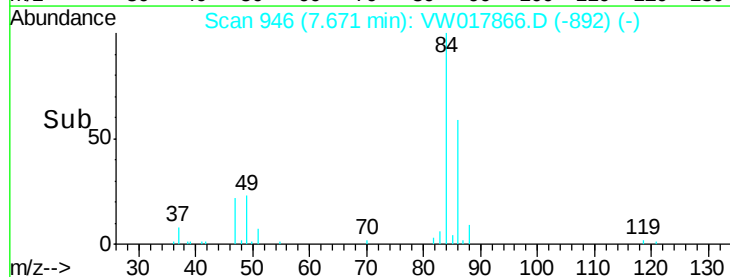
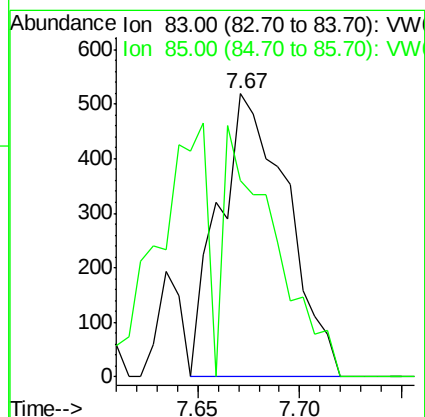
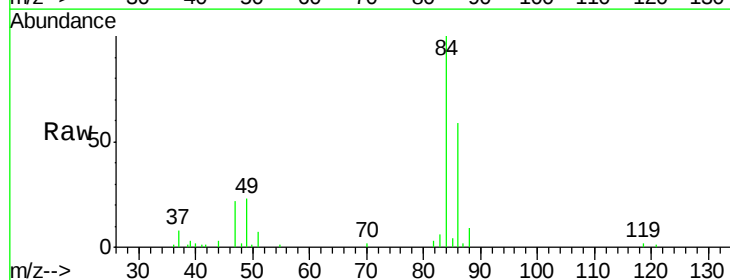
Acq: 13 Jan 2021 22:34

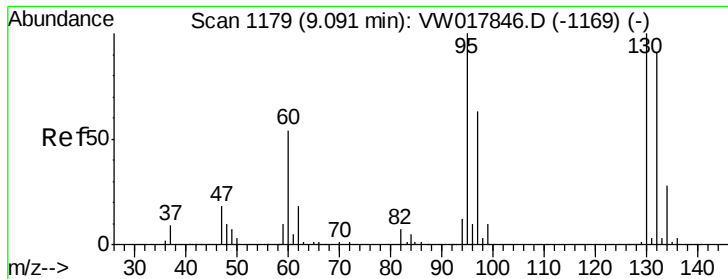
Tgt Ion: 83 Resp: 1214

Ion Ratio Lower Upper

83 100

85 34.8 45.7 84.9#





#35

Trichloroethene

Concen: 1.348 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampleId :

F1C03RE

Tgt Ion: 95 Resp: 1472

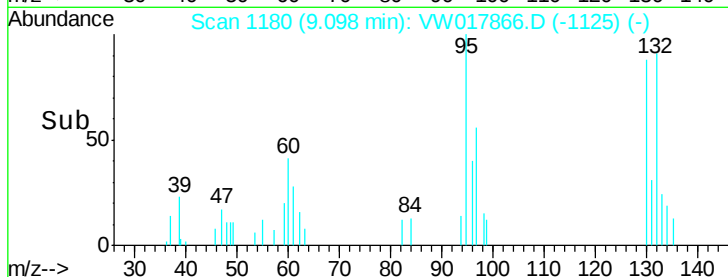
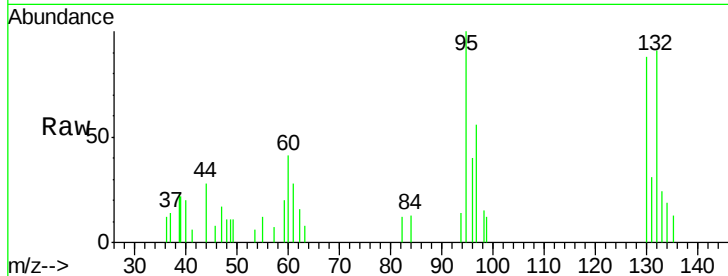
Ion Ratio Lower Upper

95 100

97 72.1 46.8 87.0

132 105.8 68.3 126.9

130 106.0 71.8 133.4

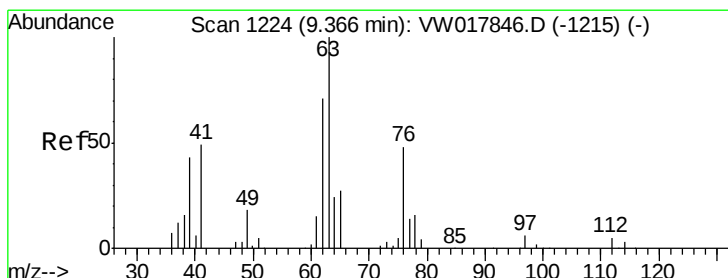
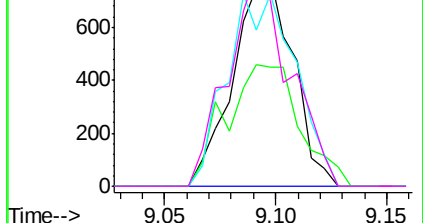


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 4.045 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW017866.D

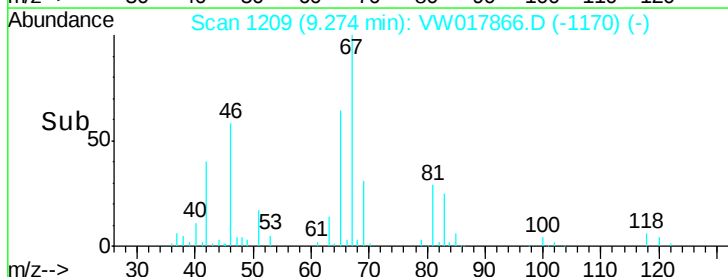
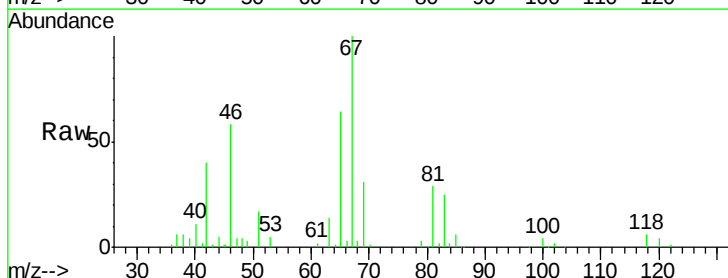
Acq: 13 Jan 2021 22:34

Tgt Ion: 63 Resp: 3767

Ion Ratio Lower Upper

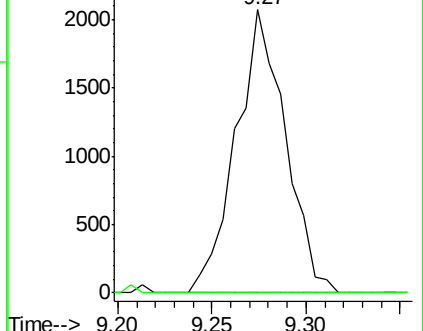
63 100

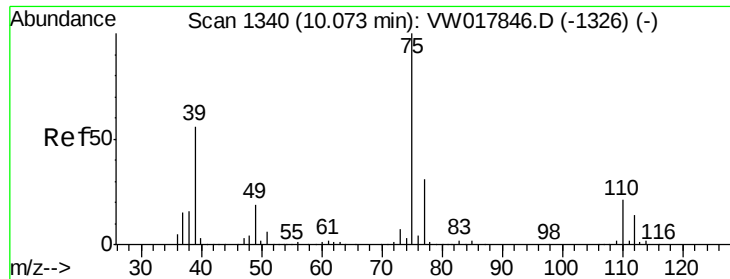
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.665 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampled :

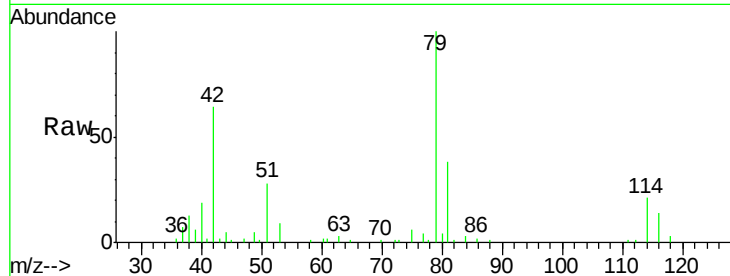
F1C03RE

Tgt Ion: 75 Resp: 989

Ion Ratio Lower Upper

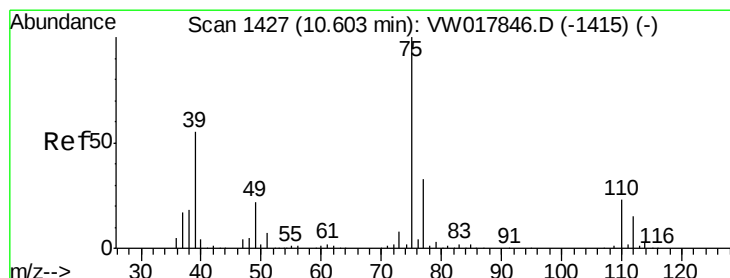
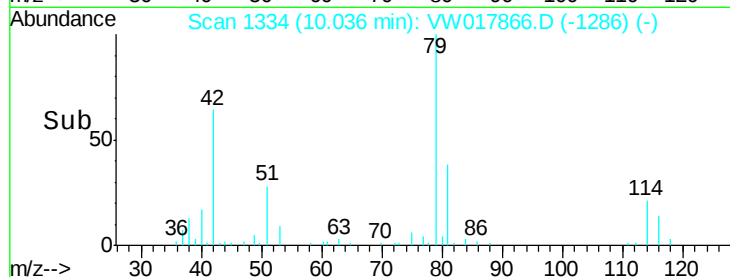
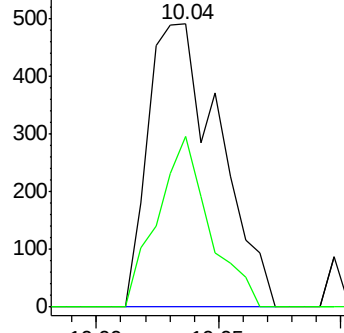
75 100

77 79.4 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.477 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017866.D

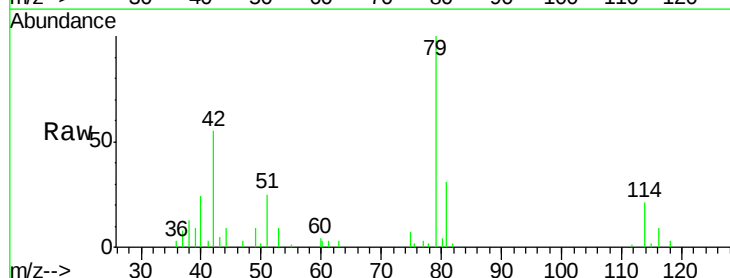
Acq: 13 Jan 2021 22:34

Tgt Ion: 75 Resp: 604

Ion Ratio Lower Upper

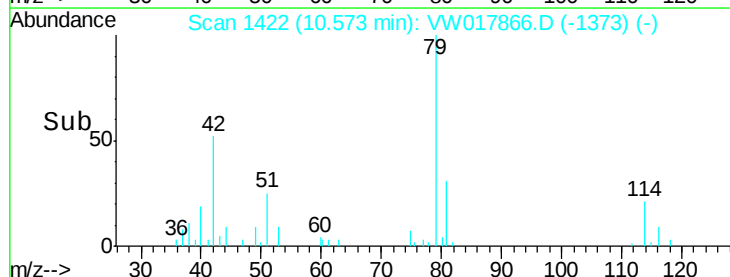
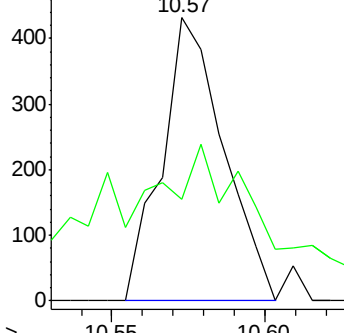
75 100

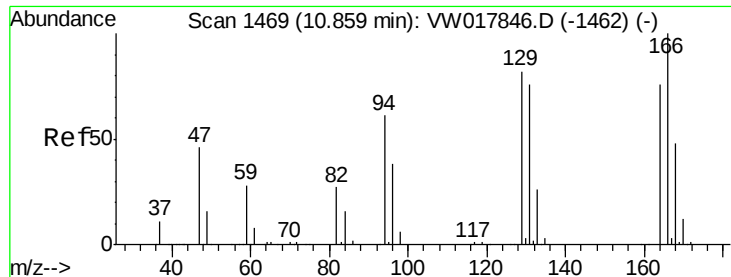
77 35.6 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 2.091 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampleId :

F1C03RE

Tgt Ion:164 Resp: 1785

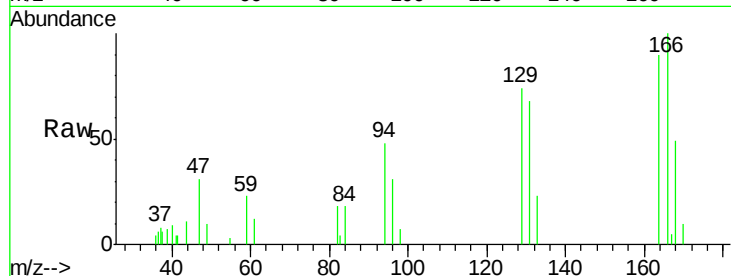
Ion Ratio Lower Upper

164 100

129 82.8 62.9 116.9

131 76.3 63.8 118.6

166 111.6 87.4 162.2

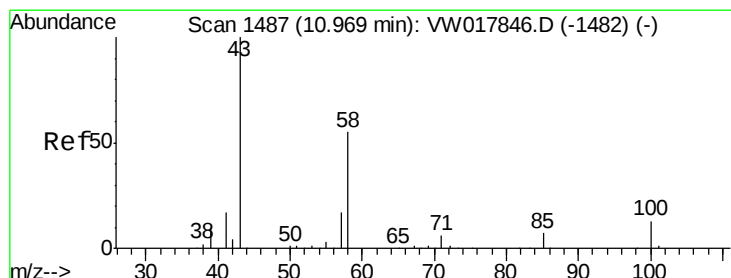
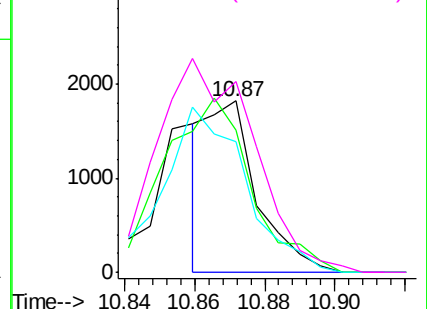
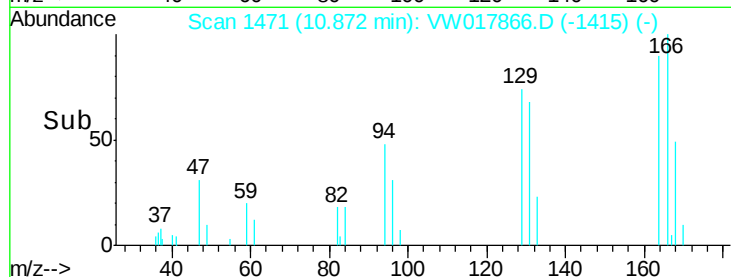


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 3.433 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Tgt Ion: 43 Resp: 1102

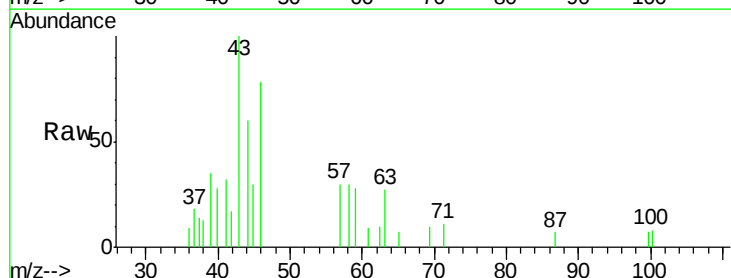
Ion Ratio Lower Upper

43 100

58 22.2 44.2 66.4#

57 50.5 16.1 24.1#

100 11.0 11.0 16.4

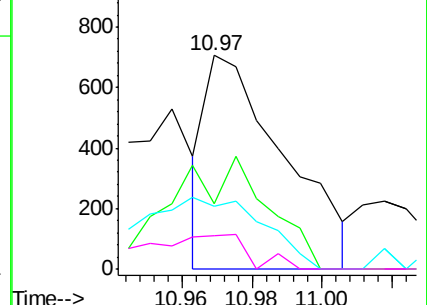
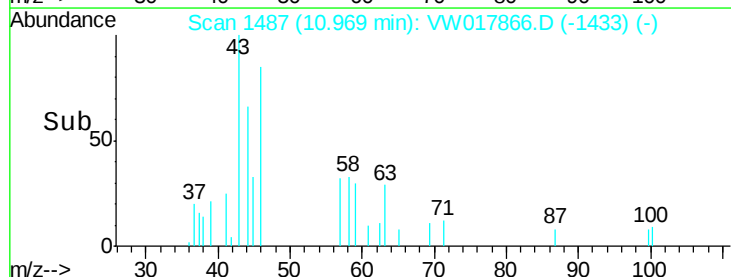


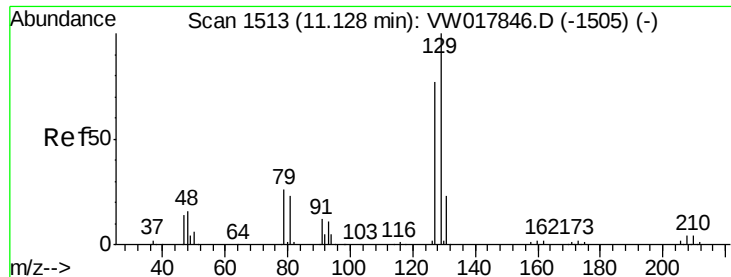
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 3.968 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017866.D

Acq: 13 Jan 2021 22:34

Instrument :

MSVOA_W

ClientSampleId :

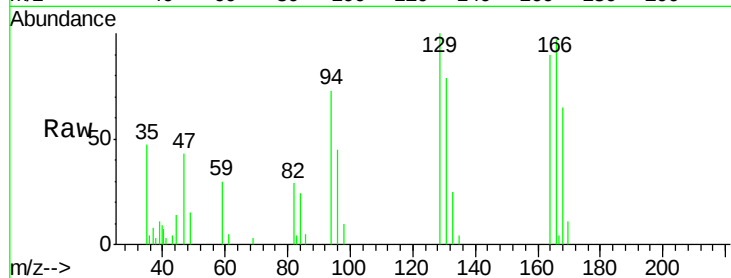
F1C03RE

Tgt Ion:129 Resp: 3261

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

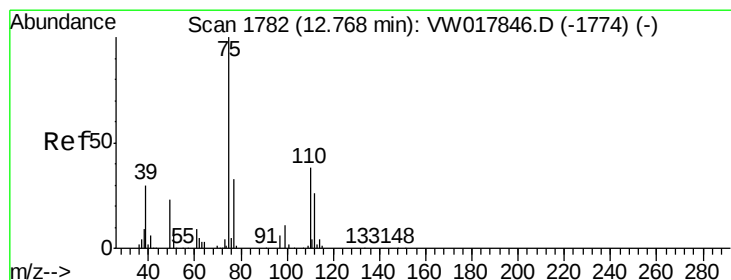
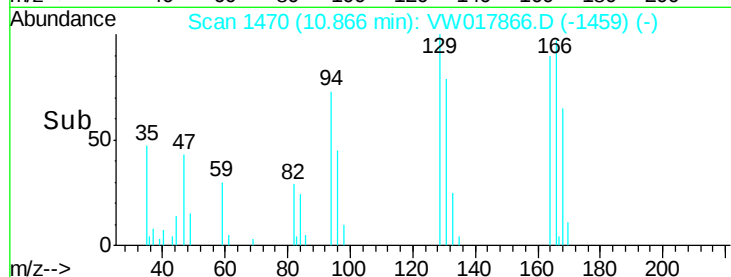
1500

1000

500

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 8.864 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017866.D

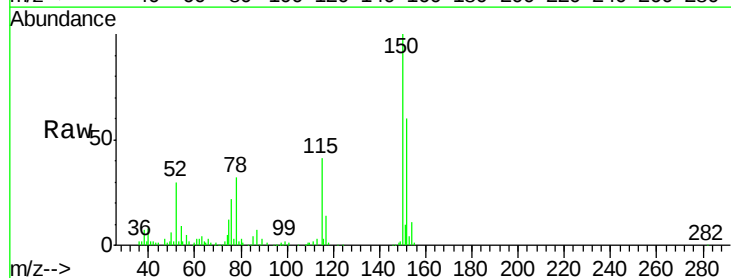
Acq: 13 Jan 2021 22:34

Tgt Ion: 75 Resp: 5035

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.55

3000

2500

2000

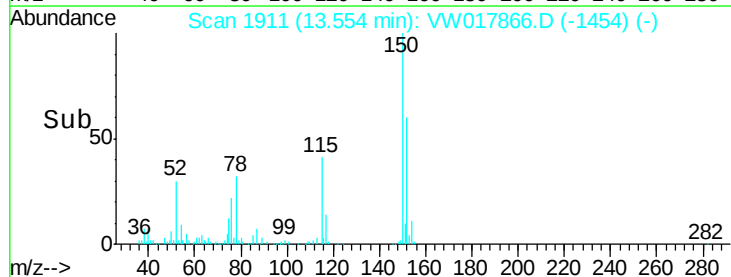
1500

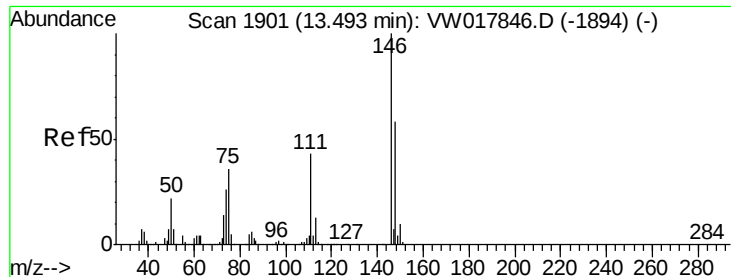
1000

500

0

Time--> 13.50 13.55 13.60

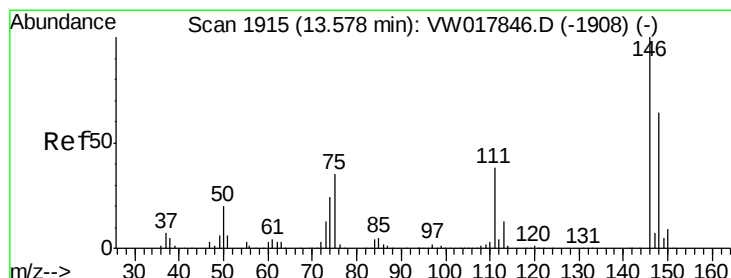
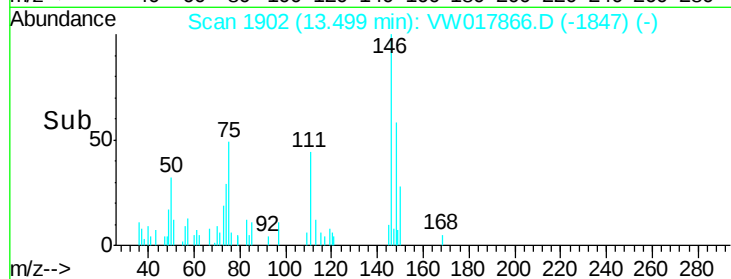
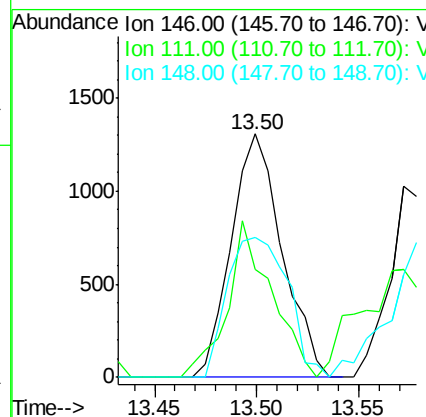
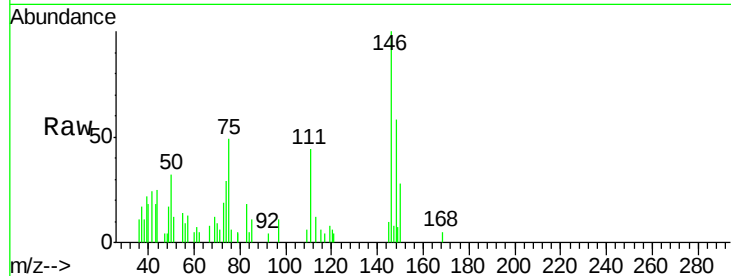




#63
 1,3-Dichlorobenzene
 Concen: 1.461 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW017866.D
 Acq: 13 Jan 2021 22:34

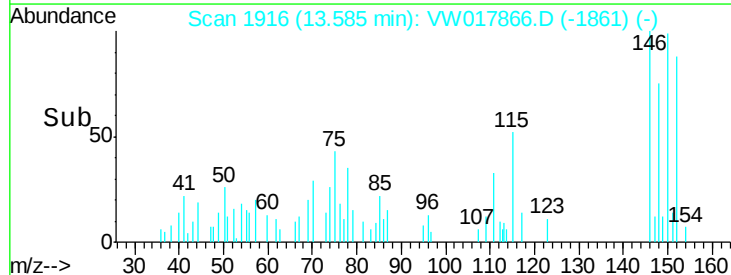
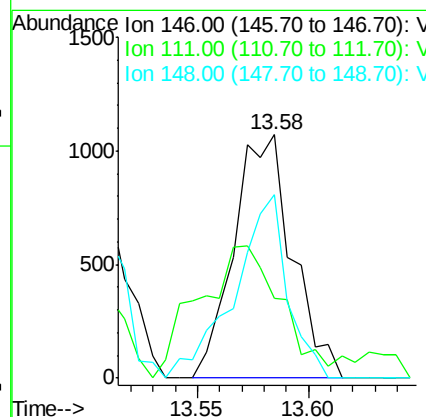
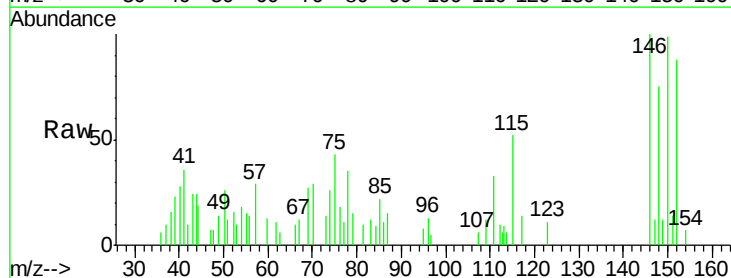
Instrument :
 MSVOA_W
 ClientSampleId :
 F1C03RE

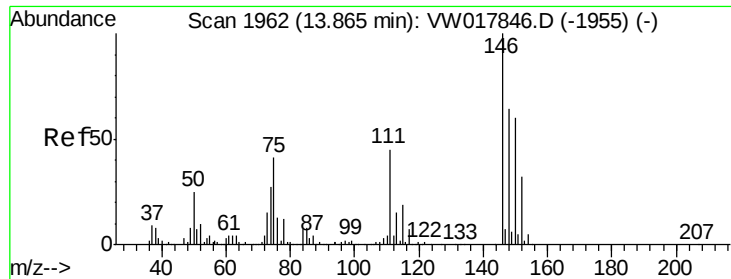
Tgt Ion:146 Resp: 2264
 Ion Ratio Lower Upper
 146 100
 111 44.1 29.5 54.7
 148 57.6 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 1.257 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW017866.D
 Acq: 13 Jan 2021 22:34

Tgt Ion:146 Resp: 1957
 Ion Ratio Lower Upper
 146 100
 111 32.6 27.7 51.5
 148 75.3 44.2 82.2

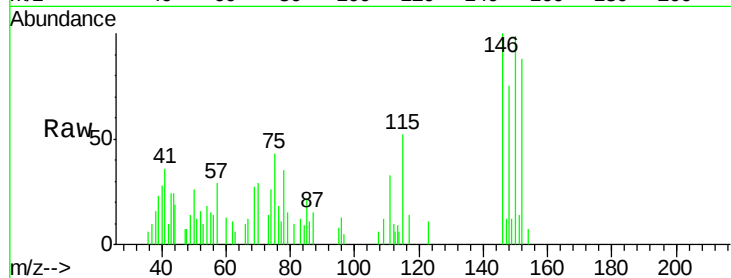




#65
 1,2-Dichlorobenzene
 Concen: 1.438 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.28 min
 Lab File: VW017866.D
 Acq: 13 Jan 2021 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C03RE

Tgt Ion:146 Resp: 1957
 Ion Ratio Lower Upper
 146 100
 111 32.6 34.4 51.6#
 148 75.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

