

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017282.D
 Acq On : 17 Nov 2020 13:37
 Operator : SY/VA
 Sample : L4710-10RE
 Misc : 4.45G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BF0RE

Quant Time: Nov 18 02:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 02:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	413063	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293769	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	78192	25.00	ug/L	0.00

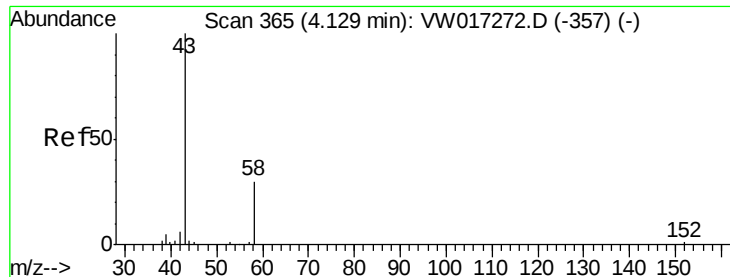
System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	93725	18.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.04%
7) Chloroethane-d5	2.90	69	85952	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
10) 1,1-Dichloroethene-d2	4.02	63	142737	15.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.36%
20) 2-Butanone-d5	7.08	46	28424	24.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	48.86%
24) Chloroform-d	7.65	84	212521	22.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.16%
26) 1,2-Dichloroethane-d4	8.31	65	102087	21.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.16%
29) Benzene-d6	8.28	84	403763	26.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.96%
33) 1,2-Dichloropropane-d6	9.28	67	108357	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
37) Toluene-d8	10.33	98	356728	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.16%
38) trans-1,3-Dichloropropene-	10.58	79	37290	19.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.96%
39) 2-Hexanone-d5	10.93	63	20280	28.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60244	16.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	66.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	58770	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Ovalue
13) Acetone	4.13	43	1285	1.649 ug/L	70
16) Methylene chloride	4.92	84	19344	3.474 ug/L	93
35) Trichloroethene	8.85	95	12138	2.809 ug/L #	2
36) Methylcyclohexane	9.28	83	29569	4.253 ug/L #	22
40) 1,2-Dichloropropane	9.27	63	13370	3.708 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	3342	0.585 ug/L #	74
45) trans-1,3-Dichloropropene	10.58	75	1966	0.401 ug/L #	74
47) Tetrachloroethene	10.87	164	1235	0.317 ug/L #	78
49) 2-Hexanone	10.93	43	3021	2.252 ug/L #	66
50) Dibromochloromethane	10.86	129	1022	0.270 ug/L #	11

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



#13

Acetone

Concen: 1.649 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017282.D

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Instrument :

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ClientSampleId :

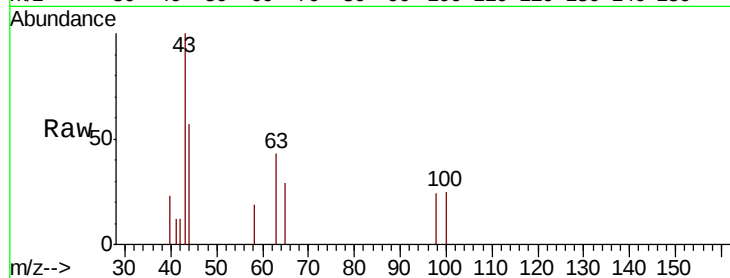
C0BF0RE

Tot Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

58 17.4 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

500

400

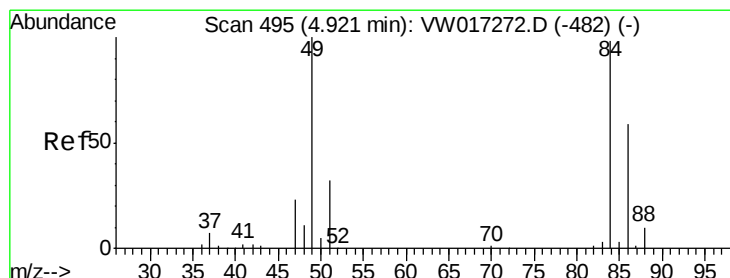
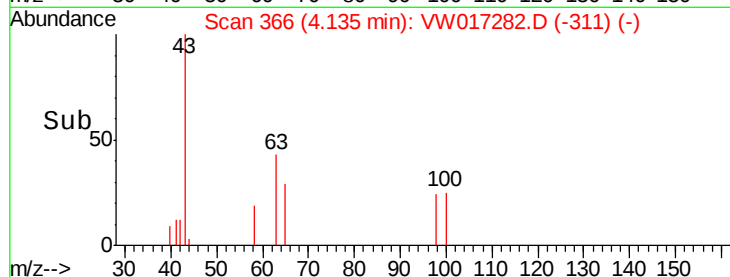
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 3.474 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

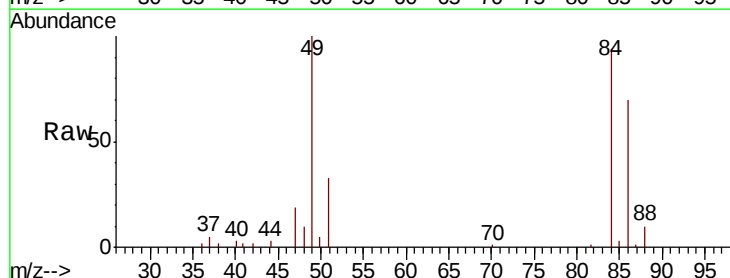
Tgt Ion: 84 Resp: 19344

Ion Ratio Lower Upper

84 100

49 106.4 72.3 134.3

86 74.7 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

8000

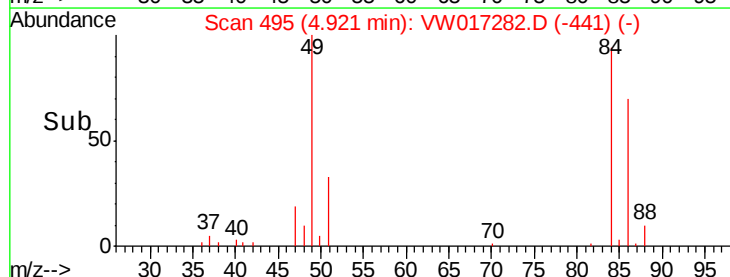
6000

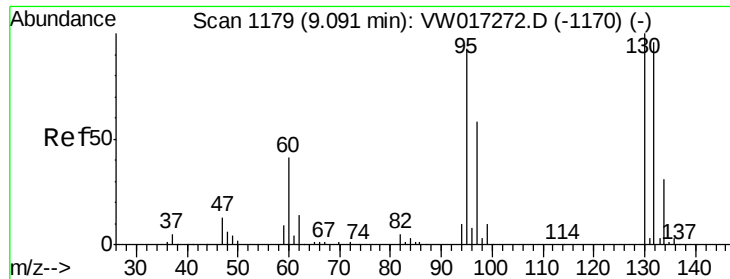
4000

2000

0

Time-->





#35

Trichloroethene

Concen: 2.809 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

C0BF0RE

Tot Ion: 95 Resp: 12138

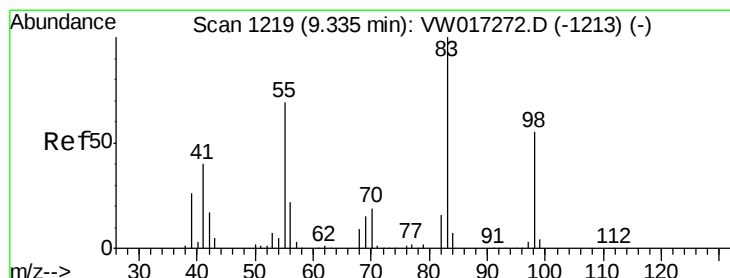
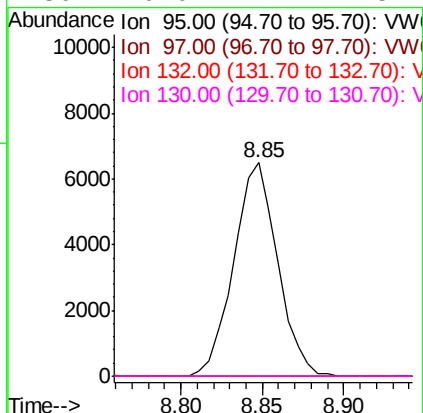
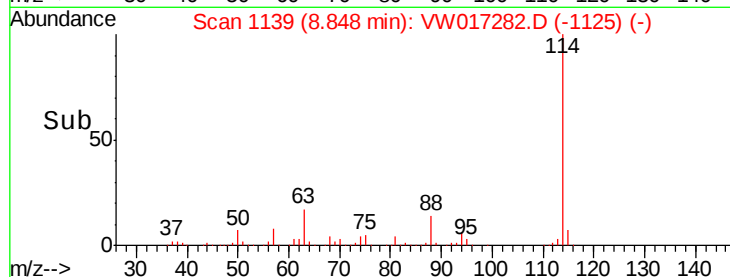
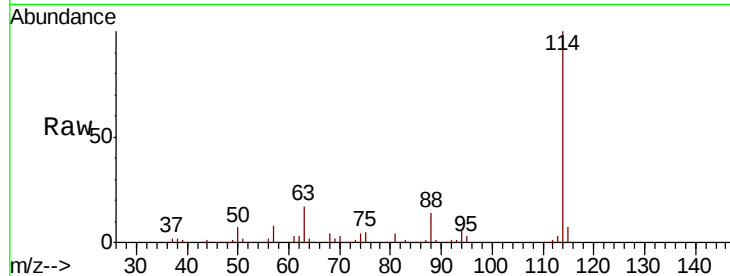
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#



#36

Methylcyclohexane

Concen: 4.253 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

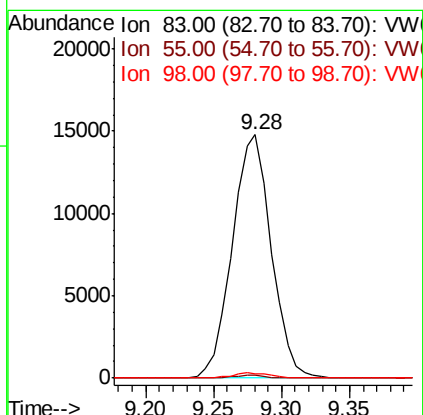
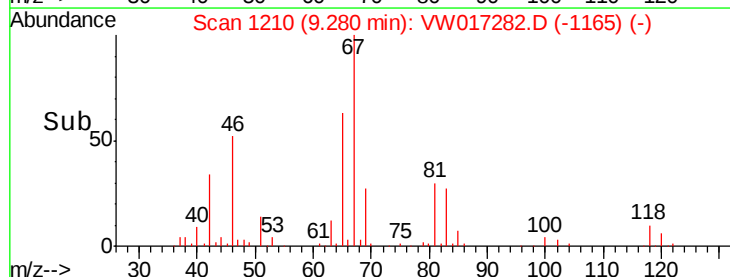
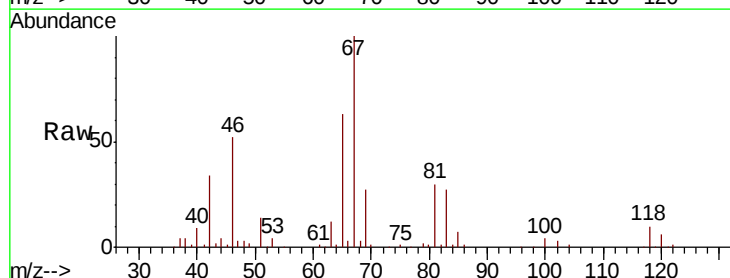
Tgt Ion: 83 Resp: 29569

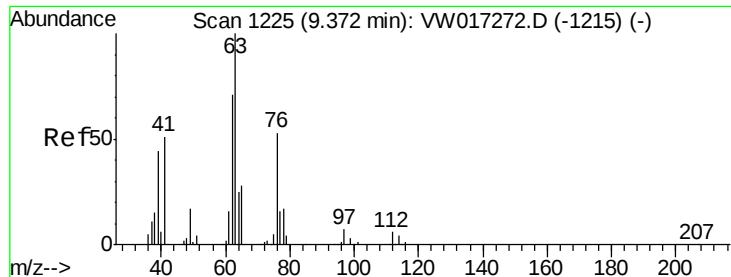
Ion Ratio Lower Upper

83 100

55 0.7 54.4 81.6#

98 1.9 40.5 60.7#





#40

1,2-Dichloropropane

Concen: 3.708 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

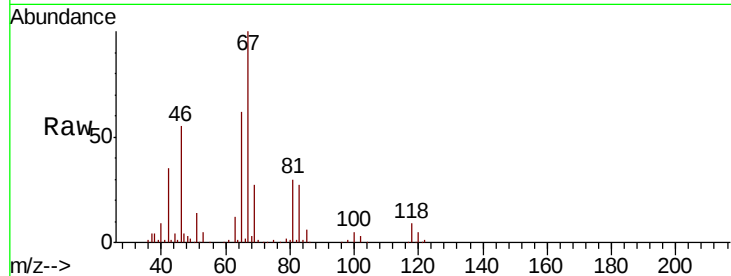
C0BF0RE

Tot Ion: 63 Resp: 13370

Ion Ratio Lower Upper

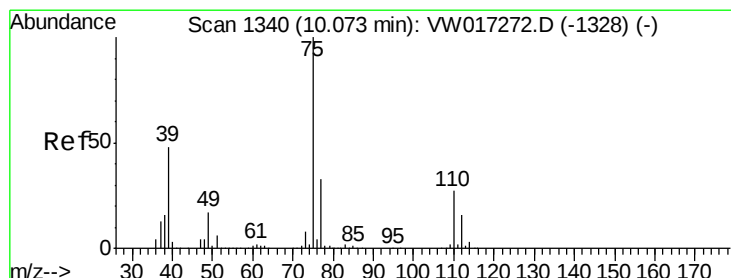
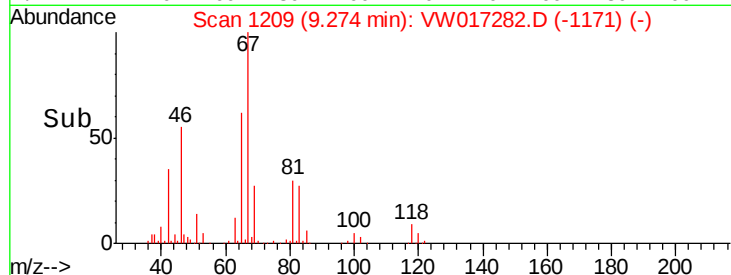
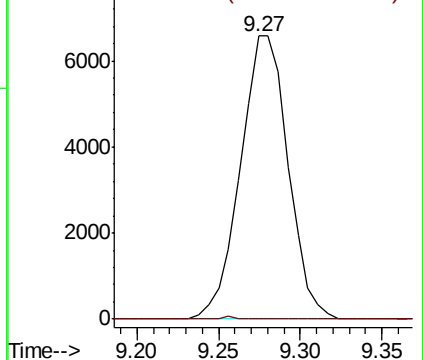
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.585 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017282.D

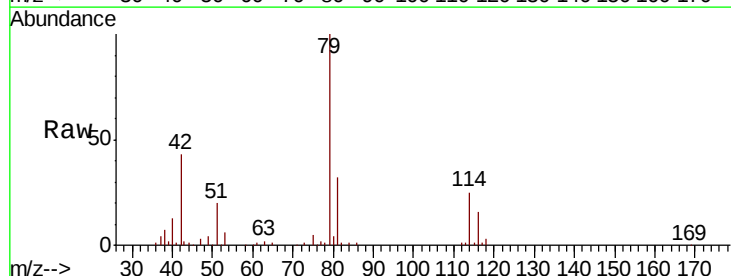
Acq: 17 Nov 2020 13:37

Tgt Ion: 75 Resp: 3342

Ion Ratio Lower Upper

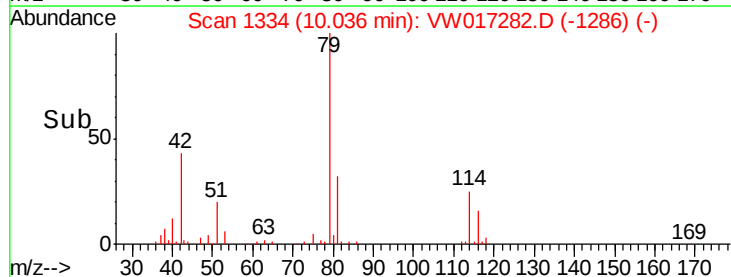
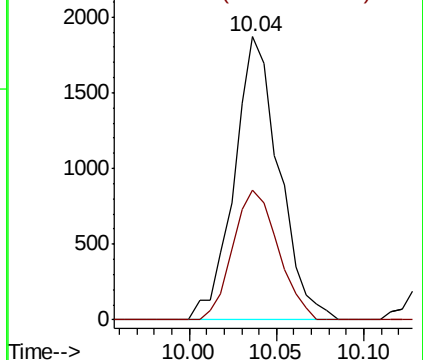
75 100

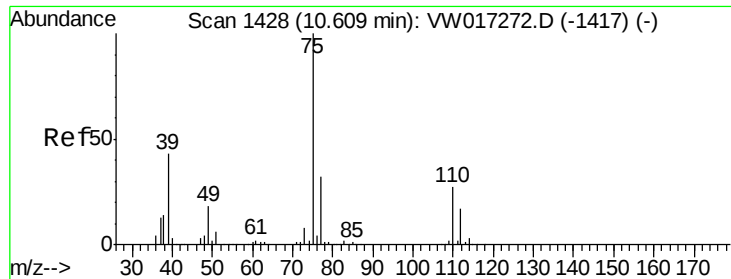
77 45.7 22.0 41.0#



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: 0.401 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

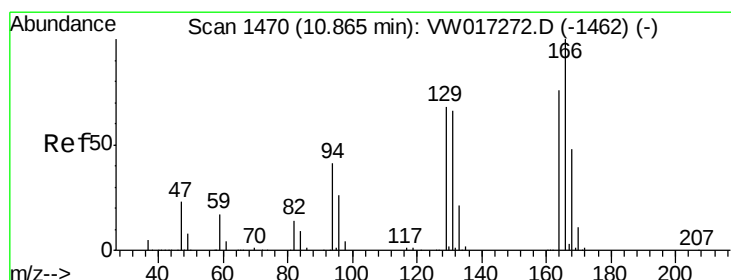
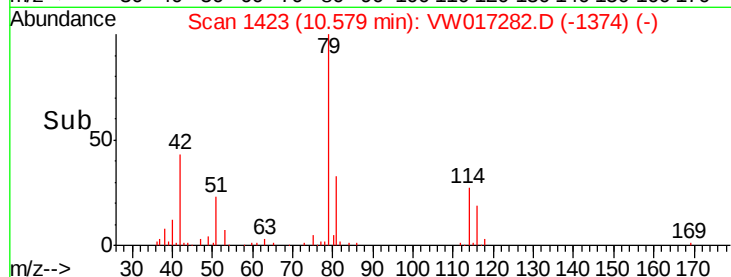
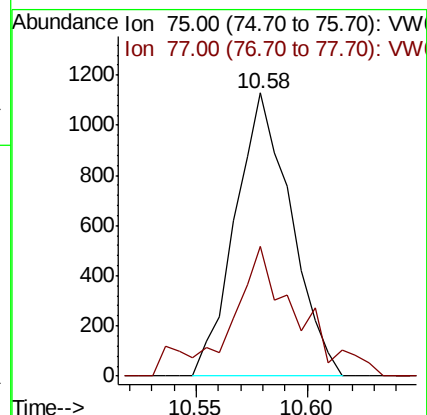
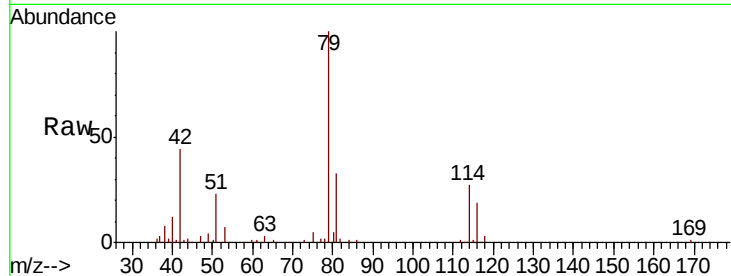
COBF0RE

Tot Ion: 75 Resp: 1966

Ion Ratio Lower Upper

75 100

77 45.8 22.1 41.1#



#47

Tetrachloroethene

Concen: 0.317 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Tgt Ion: 164 Resp: 1235

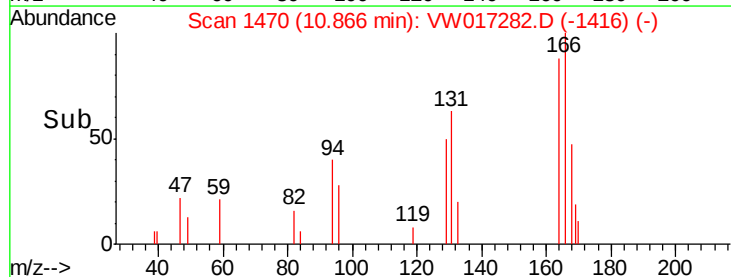
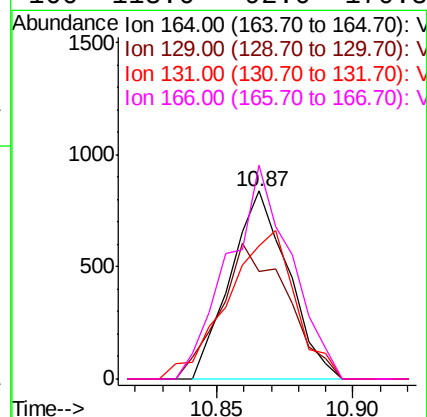
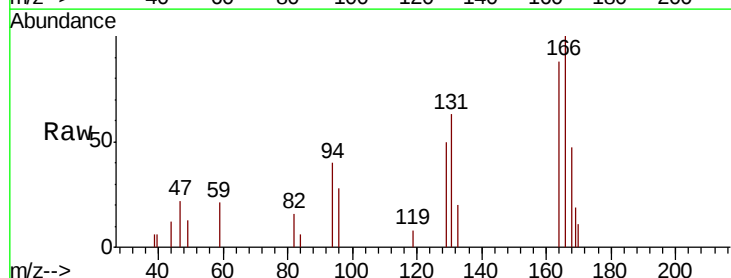
Ion Ratio Lower Upper

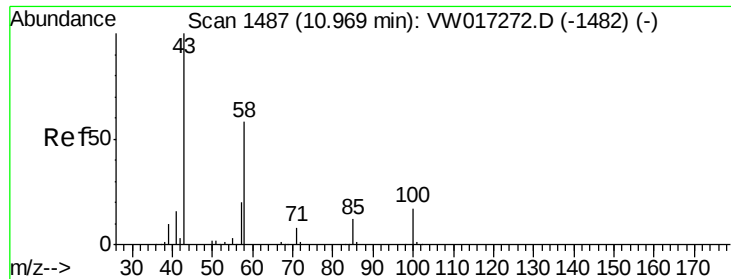
164 100

129 57.0 62.9 116.7#

131 71.0 63.3 117.5

166 113.6 92.0 170.8





#49

2-Hexanone

Concen: 2.252 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

C0BF0RE

Tot Ion: 43 Resp: 3021

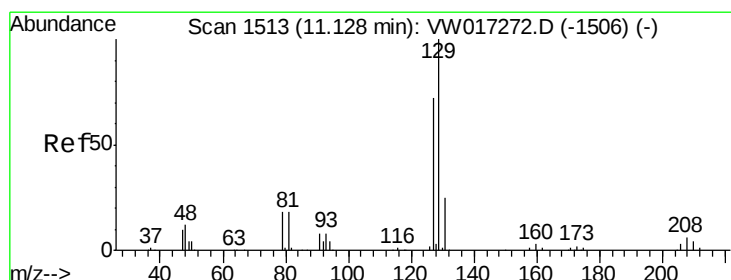
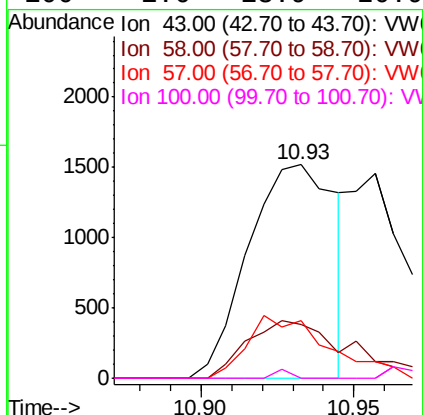
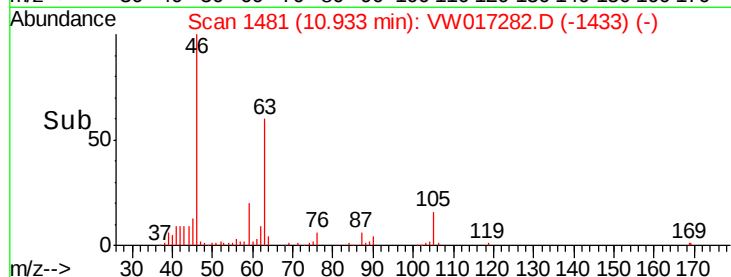
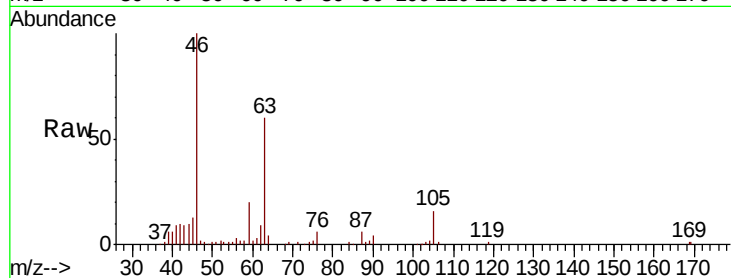
Ion Ratio Lower Upper

43 100

58 31.2 50.6 75.8#

57 27.1 17.8 26.6#

100 1.6 13.9 20.9#



#50

Dibromochloromethane

Concen: 0.270 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017282.D

Acq: 17 Nov 2020 13:37

Tgt Ion: 129 Resp: 1022

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#

