

Data File : VW017402.D
Acq On : 20 Nov 2020 04:14
Operator : SY/VA
Sample : L4819-02
Misc : 5.56G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AZ1

Quant Time: Nov 20 06:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 04:37:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	362518	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315906	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	117541	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123363	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	2.89	69	106323	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
10) 1,1-Dichloroethene-d2	4.02	63	163853	17.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.80%
20) 2-Butanone-d5	7.08	46	30656	34.78	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.56%
24) Chloroform-d	7.65	84	252444	26.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.04%
26) 1,2-Dichloroethane-d4	8.31	65	127227	27.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.60%
29) Benzene-d6	8.27	84	477089	26.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.16%
33) 1,2-Dichloropropane-d6	9.27	67	138169	29.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.48%
37) Toluene-d8	10.32	98	423593	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.08%
38) trans-1,3-Dichloropropene-	10.58	79	41558	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.48%
39) 2-Hexanone-d5	10.93	63	20896	32.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99415	27.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	122241	28.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.68%

Target Compounds

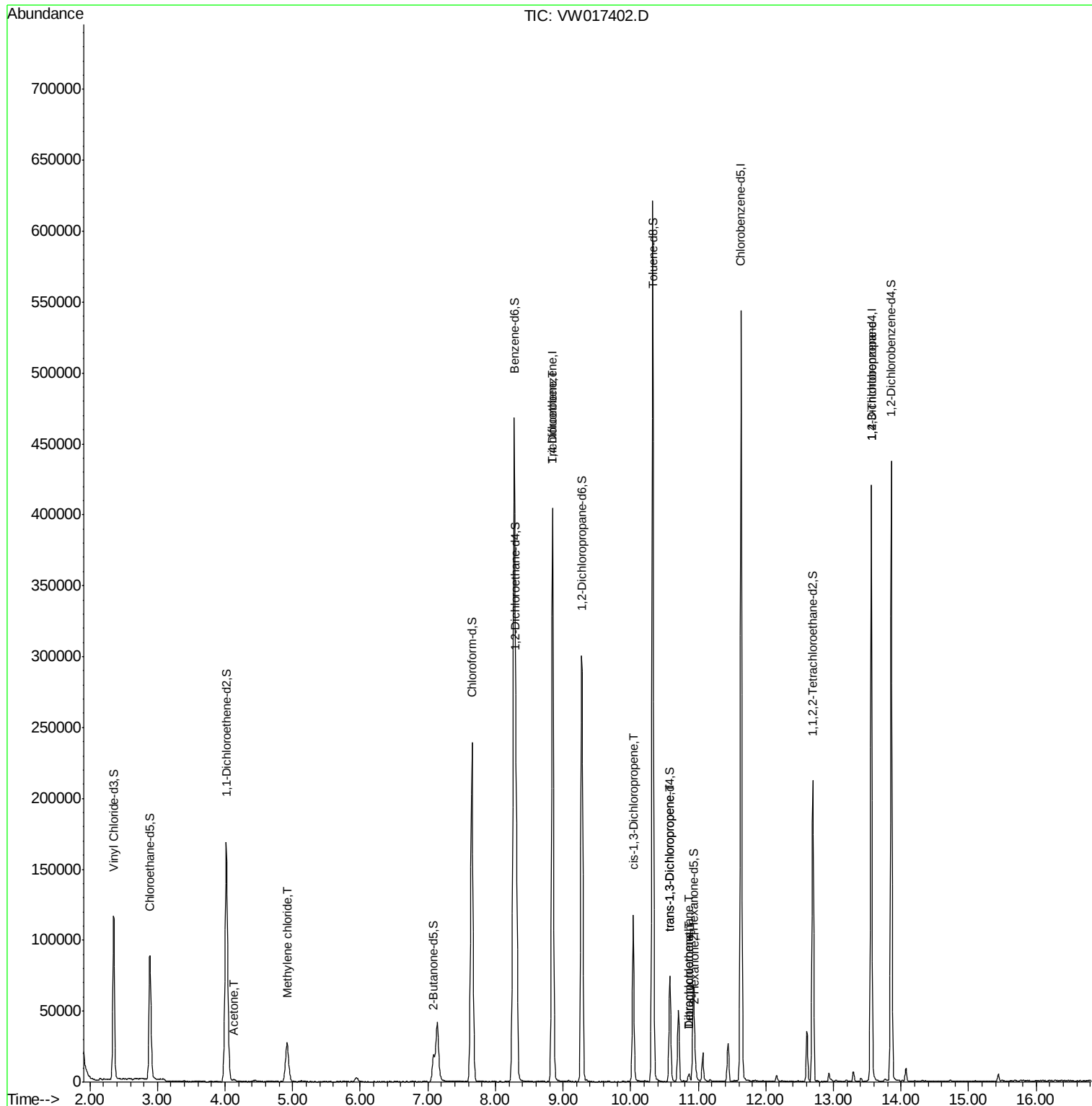
					Qvalue
13) Acetone	4.13	43	2286	3.555 ug/L	71
16) Methylene chloride	4.92	84	23687	3.820 ug/L	95
35) Trichloroethene	8.84	95	10717	2.123 ug/L #	2
42) cis-1,3-Dichloropropene	10.04	75	3321	0.530 ug/L #	67
45) trans-1,3-Dichloropropene	10.58	75	2015	0.380 ug/L	83
47) Tetrachloroethene	10.87	164	1308	0.286 ug/L	91
49) 2-Hexanone	10.96	43	8931	7.406 ug/L #	34
50) Dibromochloromethane	10.86	129	1203	0.296 ug/L #	12
59) 1,2,3-Trichloropropane	13.56	75	12855	5.168 ug/L	99

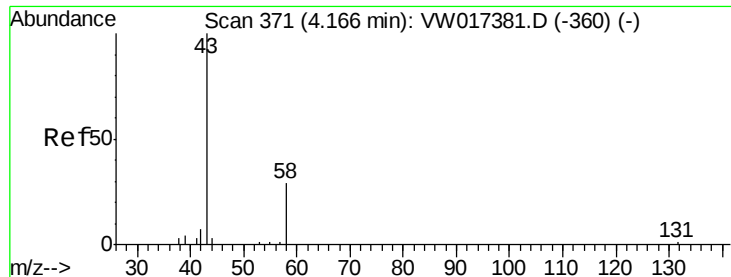
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.555 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

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Acq: 20 Nov 2020 04:14

Instrument :

MSVOA_W

ClientSampleId :

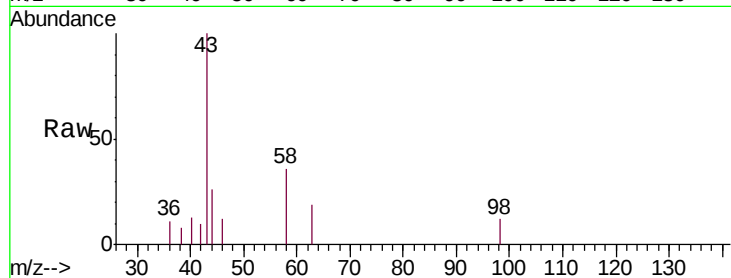
C0AZ1

Tgt Ion: 43 Resp: 2286

Ion Ratio Lower Upper

43 100

58 16.8 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

600

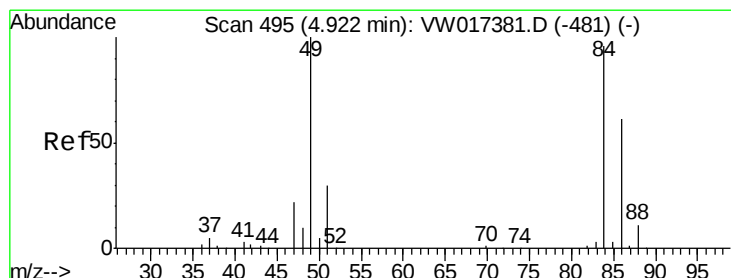
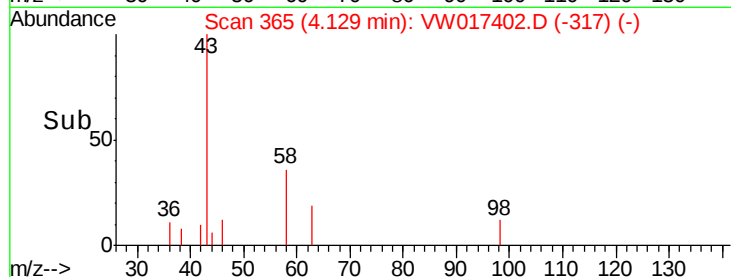
400

200

0

4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 3.820 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

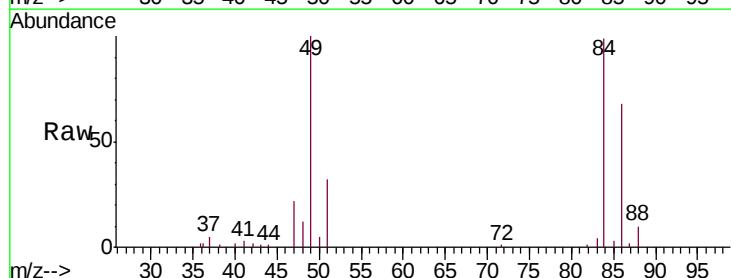
Tgt Ion: 84 Resp: 23687

Ion Ratio Lower Upper

84 100

49 101.4 71.5 132.9

86 69.4 42.8 79.4



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

10000

8000

6000

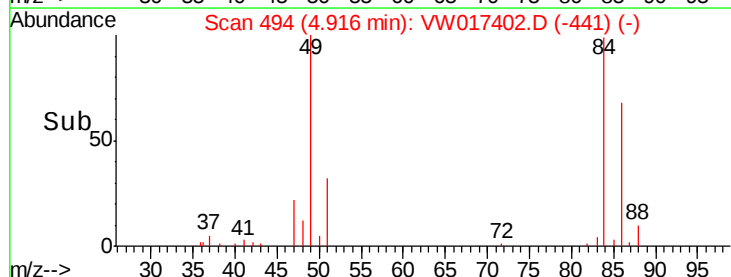
4000

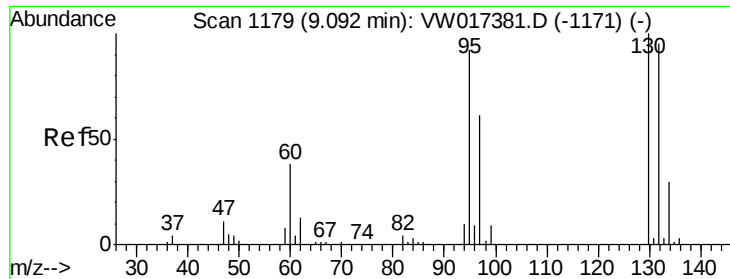
2000

0

4.80 4.90 5.00

Time-->





#35

Trichloroethene

Concen: 2.123 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

Instrument :

MSVOA_W

ClientSampleId :

C0AZ1

Tgt Ion: 95 Resp: 10717

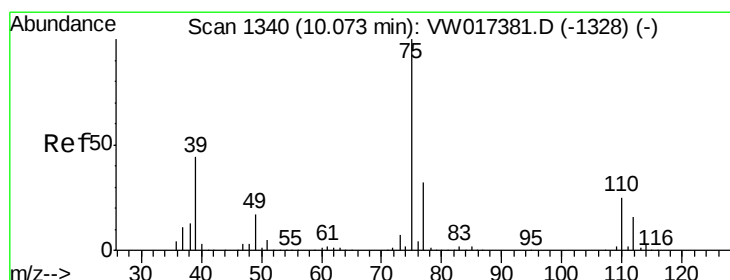
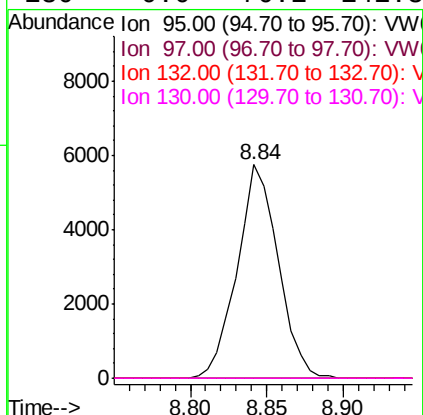
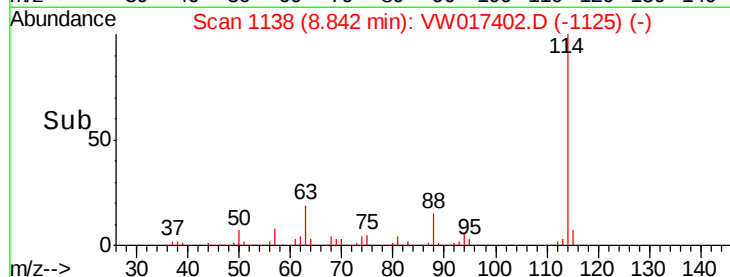
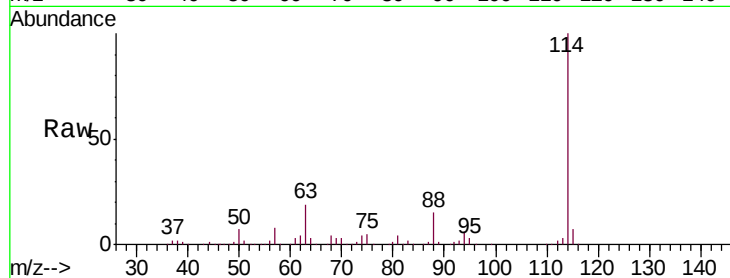
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#



#42

cis-1,3-Dichloropropene

Concen: 0.530 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017402.D

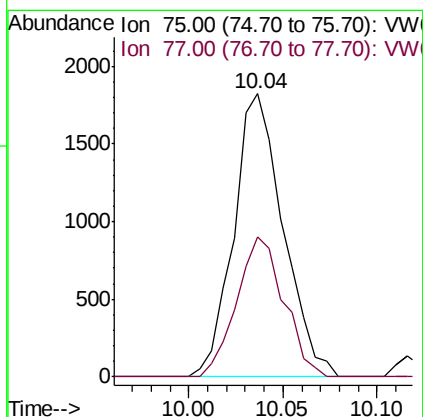
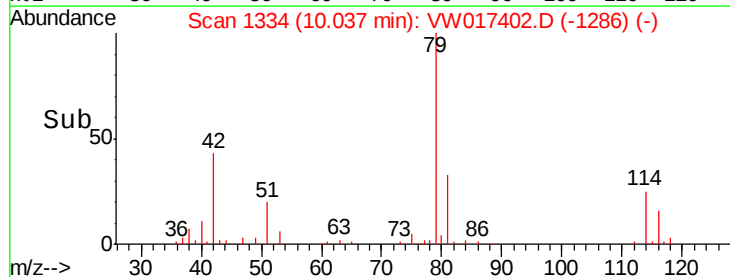
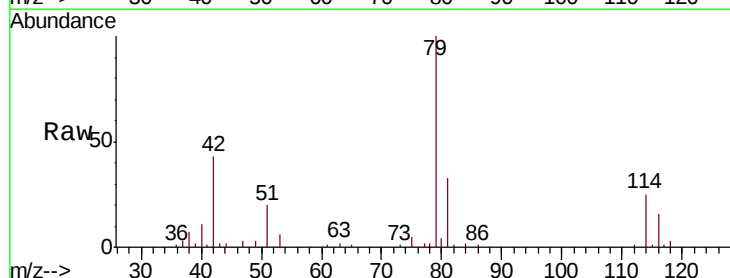
Acq: 20 Nov 2020 04:14

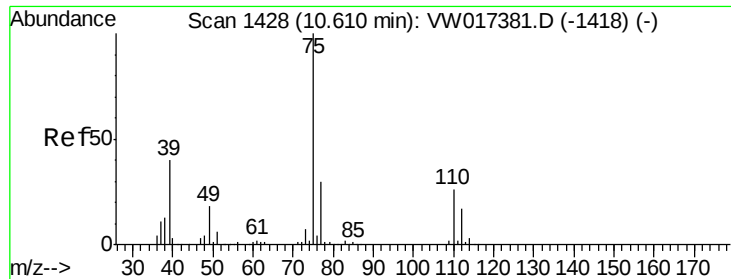
Tgt Ion: 75 Resp: 3321

Ion Ratio Lower Upper

75 100

77 49.4 21.8 40.4#





#45

trans-1,3-Dichloropropene

Concen: 0.380 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

Instrument :

MSVOA_W

ClientSampled :

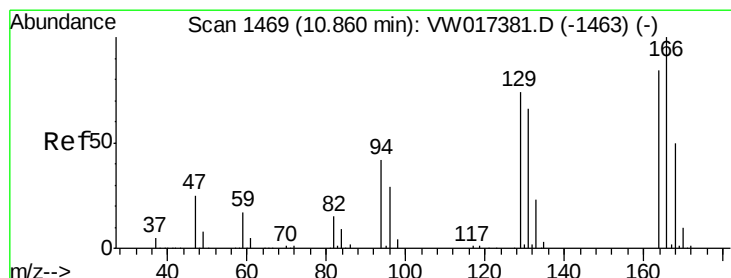
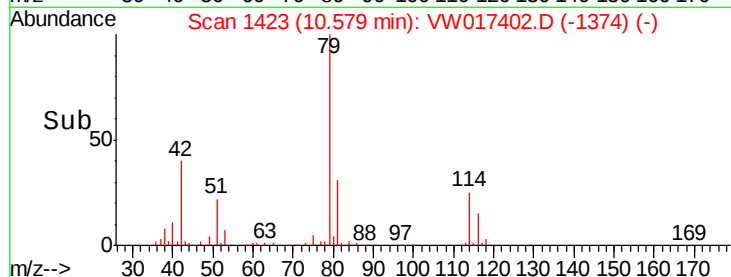
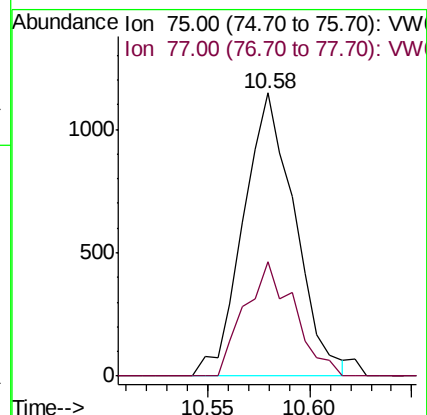
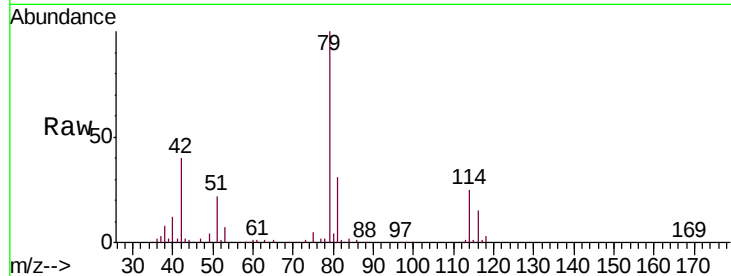
C0AZ1

Tgt Ion: 75 Resp: 2015

Ion Ratio Lower Upper

75 100

77 40.5 22.0 40.8



#47

Tetrachloroethene

Concen: 0.286 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

Tgt Ion: 164 Resp: 1308

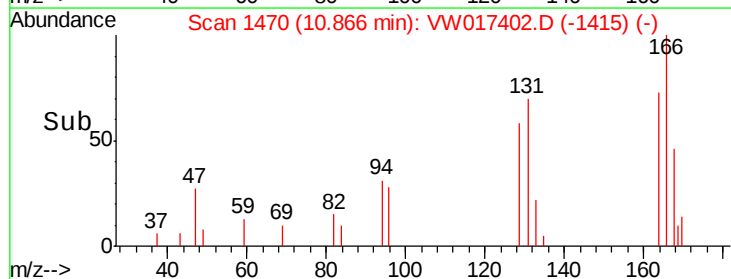
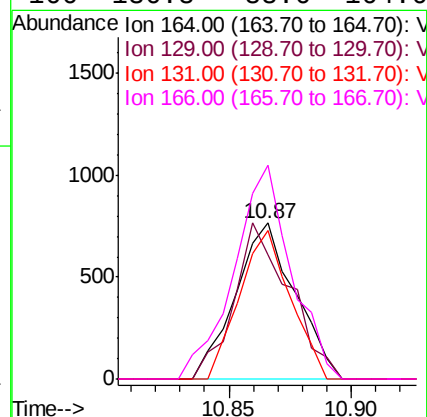
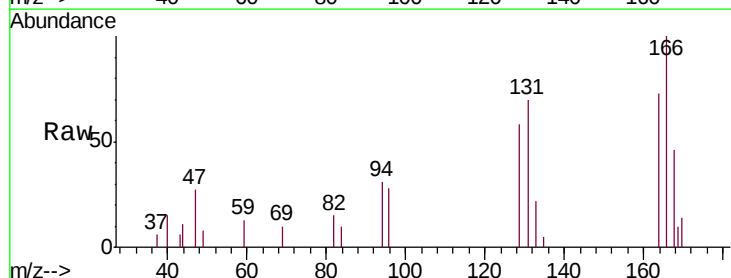
Ion Ratio Lower Upper

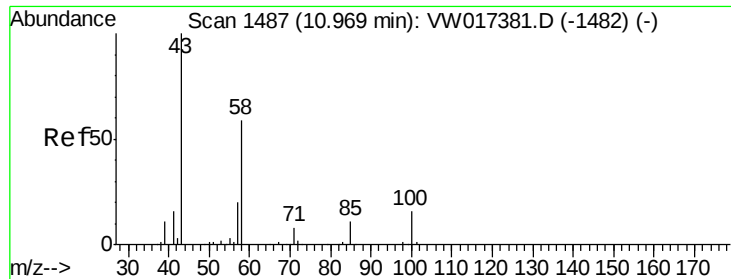
164 100

129 79.4 60.6 112.6

131 95.4 60.4 112.2

166 136.8 88.6 164.6





#49

2-Hexanone

Concen: 7.406 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

Instrument :

MSVOA_W

ClientSampleId :

C0AZ1

Tgt Ion: 43 Resp: 8931

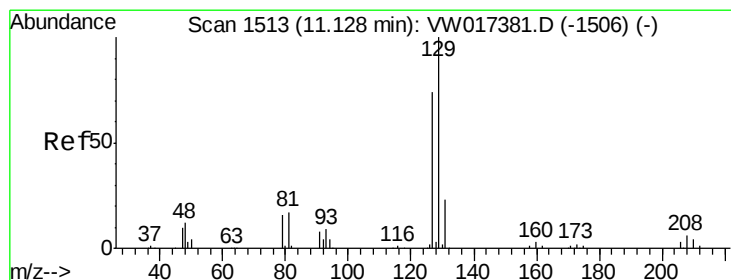
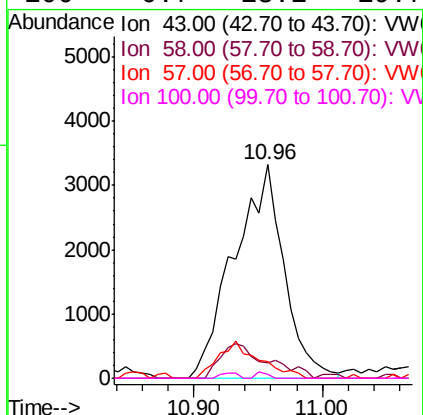
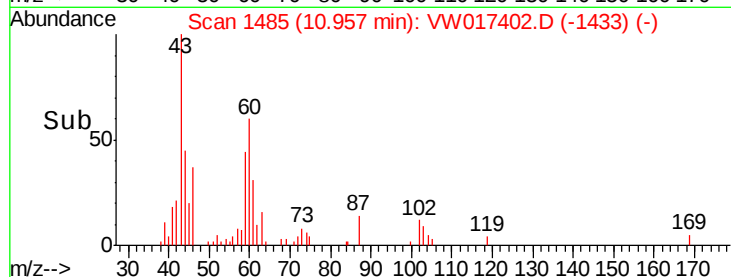
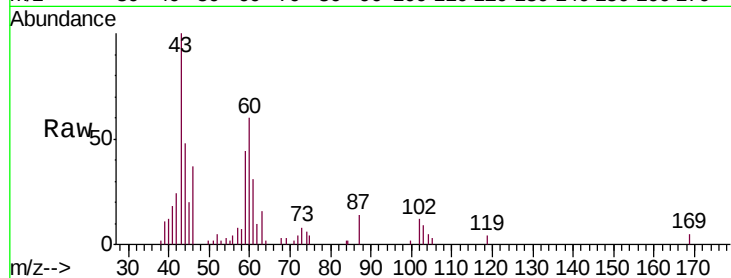
Ion Ratio Lower Upper

43 100

58 0.0 49.4 74.0#

57 0.0 17.0 25.4#

100 0.7 13.1 19.7#



#50

Dibromochloromethane

Concen: 0.296 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017402.D

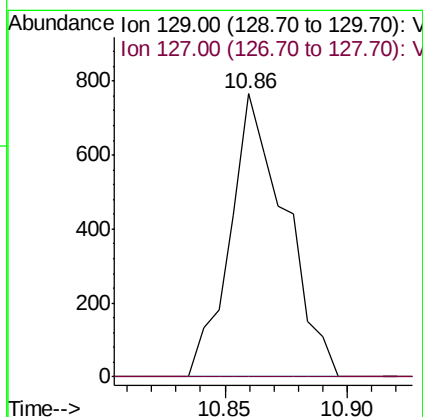
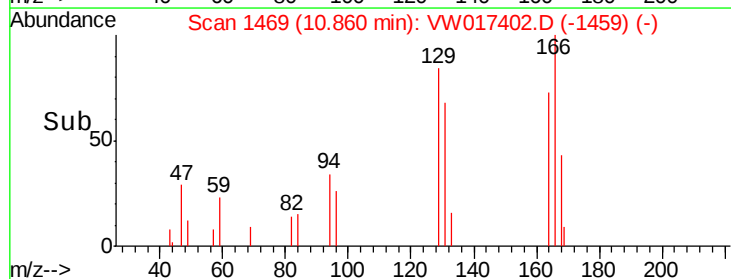
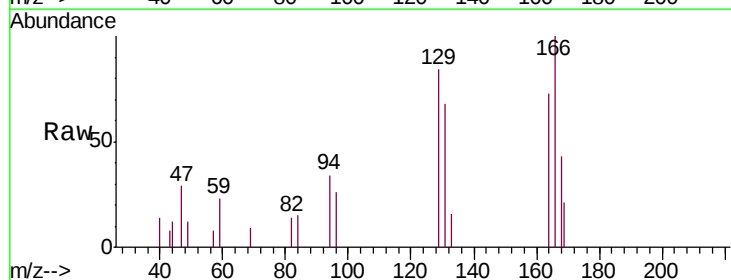
Acq: 20 Nov 2020 04:14

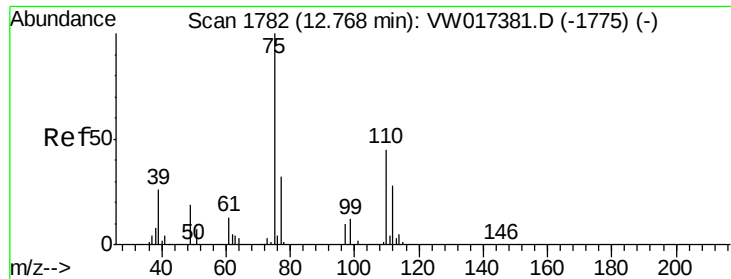
Tgt Ion: 129 Resp: 1203

Ion Ratio Lower Upper

129 100

127 0.0 51.8 96.2#





#59

1,2,3-Trichloropropane

Concen: 5.168 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017402.D

Acq: 20 Nov 2020 04:14

Instrument :

MSVOA_W

ClientSampleId :

C0AZ1

Tgt Ion: 75 Resp: 12855

Ion Ratio Lower Upper

75 100

77 33.8 26.6 40.0

