

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016971.D
 Acq On : 22 Oct 2020 15:48
 Operator : SY/VA
 Sample : L4471-17
 Misc : 5.79G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG432

Quant Time: Oct 23 02:21:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 12:40:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	611282	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	550722	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	256411	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	164786	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
7) Chloroethane-d5	2.89	69	124523	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
10) 1,1-Dichloroethene-d2	4.02	63	232349	16.93	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.72%
20) 2-Butanone-d5	7.09	46	69257	52.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.22%
24) Chloroform-d	7.65	84	314060	22.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.08%
26) 1,2-Dichloroethane-d4	8.31	65	161875	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	8.28	84	657768	23.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.00%
33) 1,2-Dichloropropane-d6	9.27	67	181181	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	10.32	98	617995	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	10.58	79	76324	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.20%
39) 2-Hexanone-d5	10.93	63	59013	55.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147458	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	218784	24.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.12%

Target Compounds

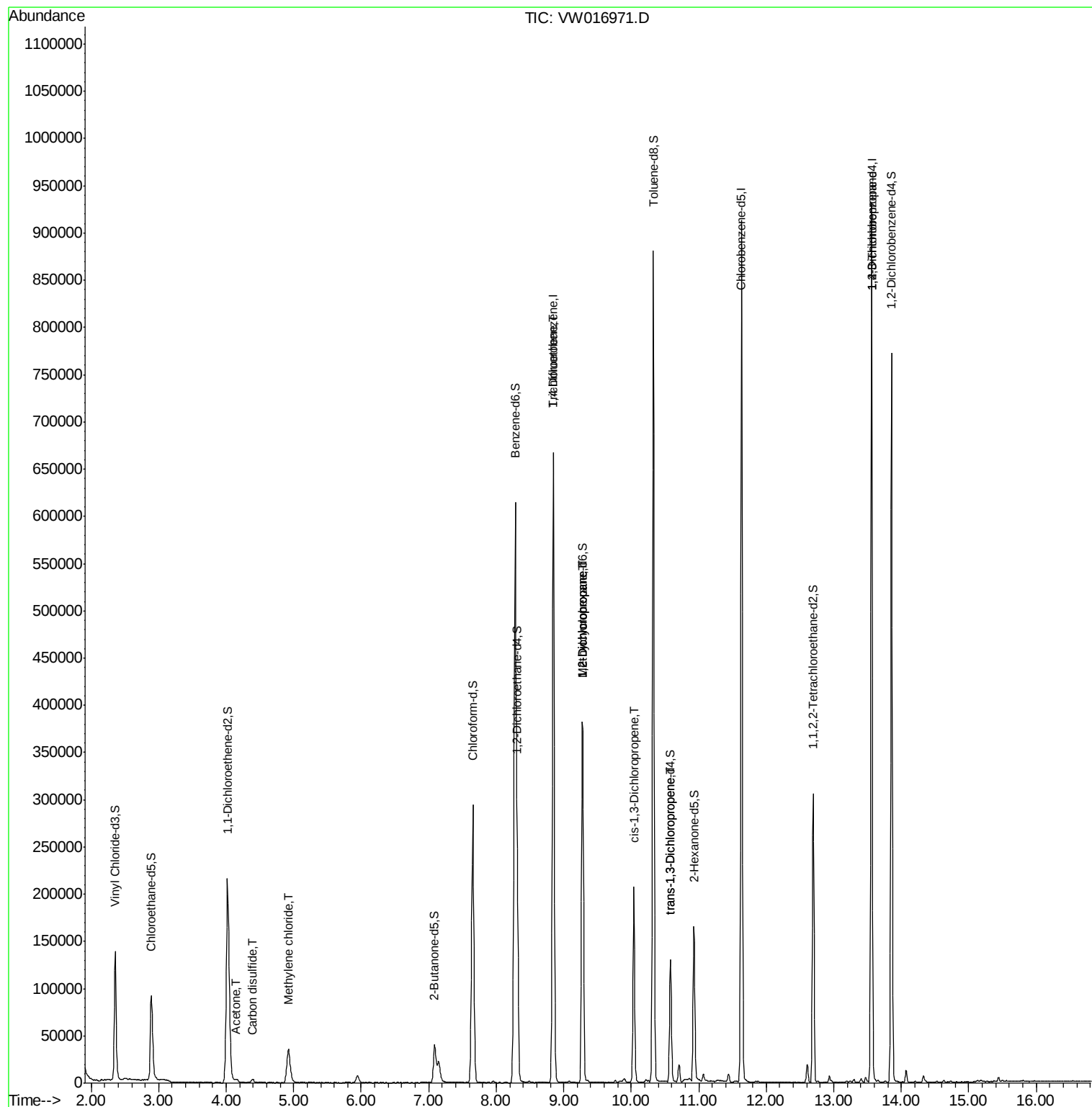
					Ovalue
13) Acetone	4.14	43	6297	7.042 ug/L	96
14) Carbon disulfide	4.39	76	7977	0.329 ug/L #	92
16) Methylene chloride	4.92	84	34570	4.277 ug/L	92
35) Trichloroethene	8.85	95	17084	2.028 ug/L #	1
36) Methylcyclohexane	9.27	83	46703	3.300 ug/L #	21
40) 1,2-Dichloropropane	9.27	63	20159	2.967 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	5300	0.499 ug/L #	78
45) trans-1,3-Dichloropropene	10.59	75	3290	0.374 ug/L	88
59) 1,2,3-Trichloropropane	13.55	75	26462	6.335 ug/L	92

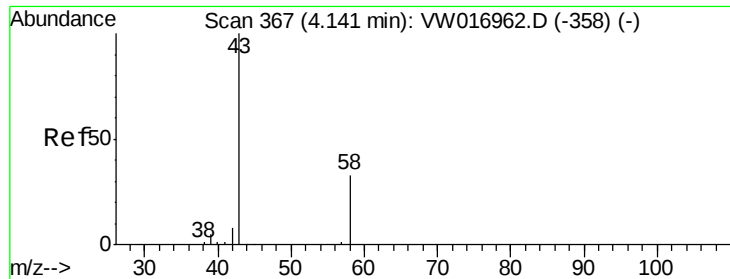
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.042 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016971.D

Acq: 22 Oct 2020 15:48

Instrument :

MSVOA_W

ClientSampleId :

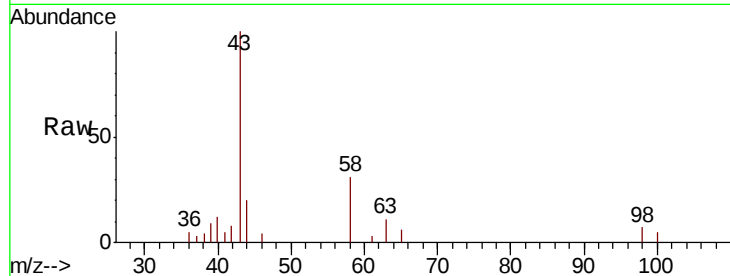
BG432

Tot Ion: 43 Resp: 6297

Ion Ratio Lower Upper

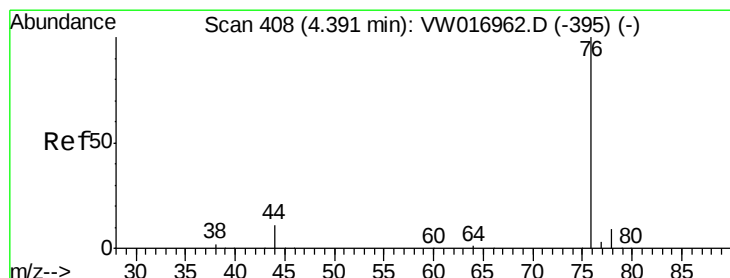
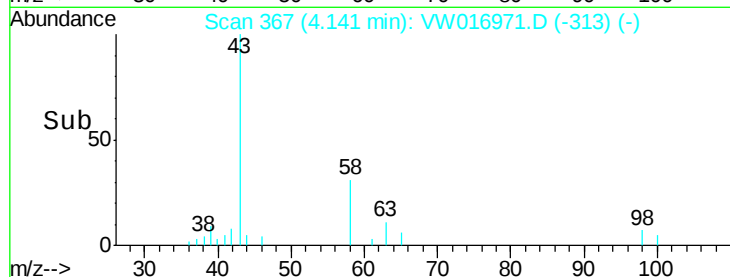
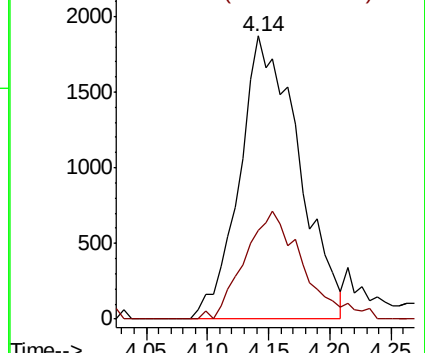
43 100

58 37.1 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.329 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016971.D

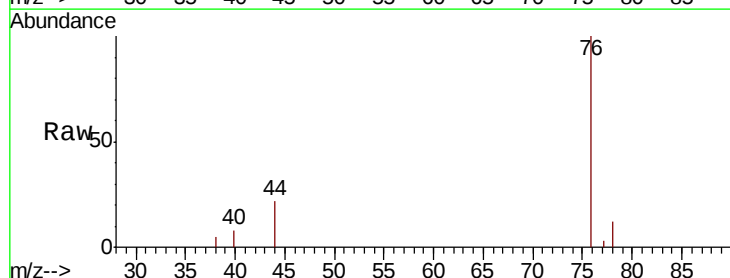
Acq: 22 Oct 2020 15:48

Tgt Ion: 76 Resp: 7977

Ion Ratio Lower Upper

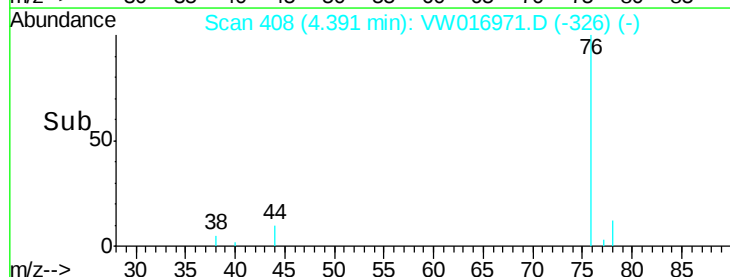
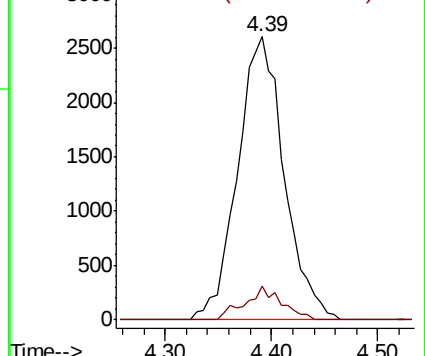
76 100

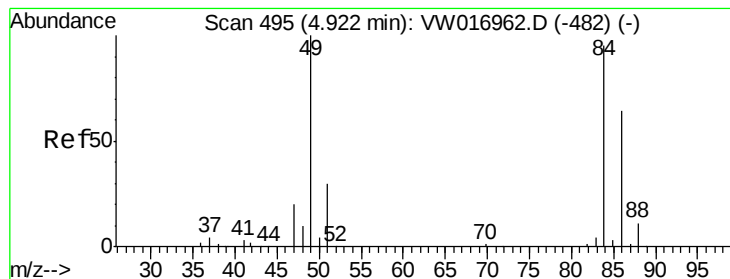
78 12.1 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methvlene chloride

Concen: 4.277 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016971.D

Acq: 22 Oct 2020 15:48

Instrument :

MSVOA_W

ClientSampled :

BG432

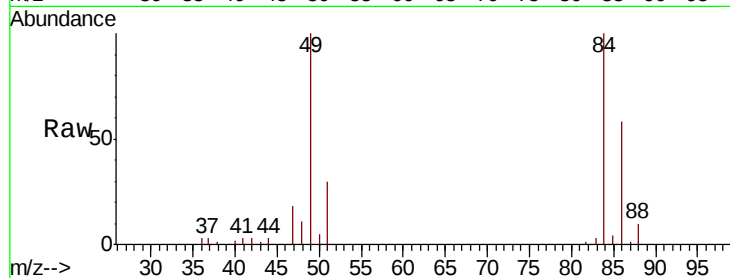
Tot Ion: 84 Resp: 34570

Ion Ratio Lower Upper

84 100

49 100.3 73.8 137.0

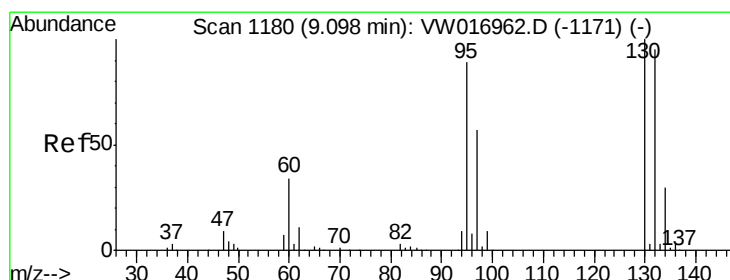
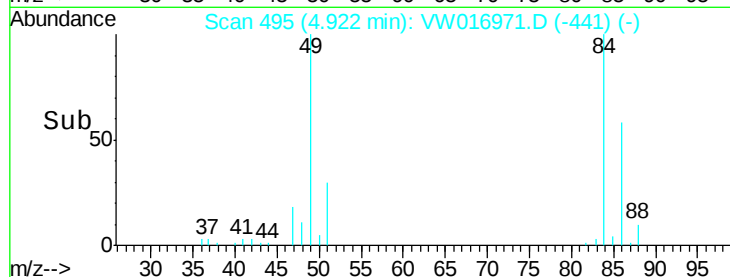
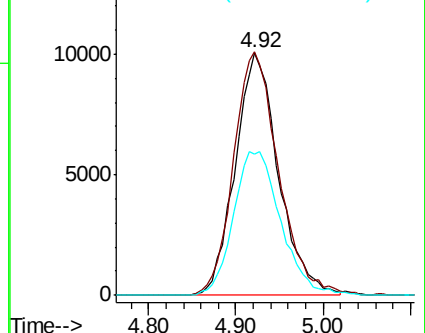
86 58.0 47.4 88.0



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



#35

Trichloroethene

Concen: 2.028 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016971.D

Acq: 22 Oct 2020 15:48

Tgt Ion: 95 Resp: 17084

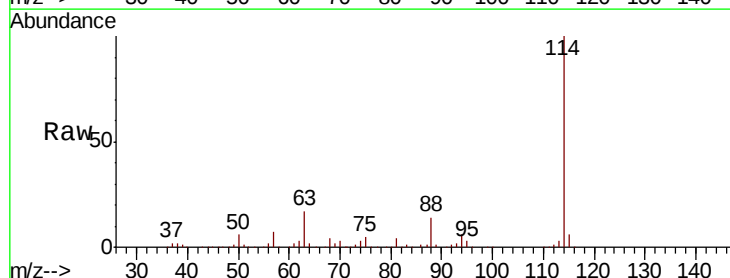
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 73.9 137.3#

130 0.0 77.6 144.2#

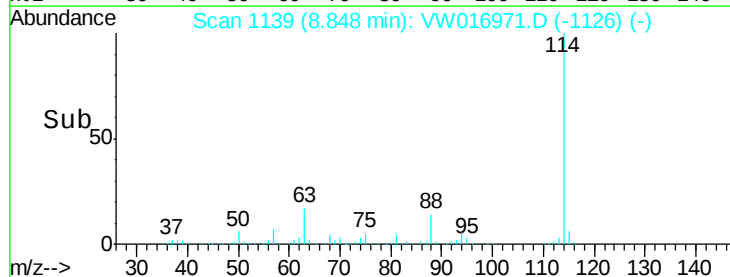
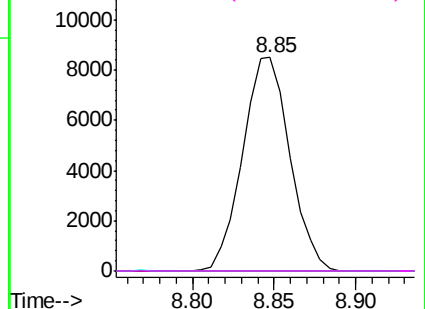


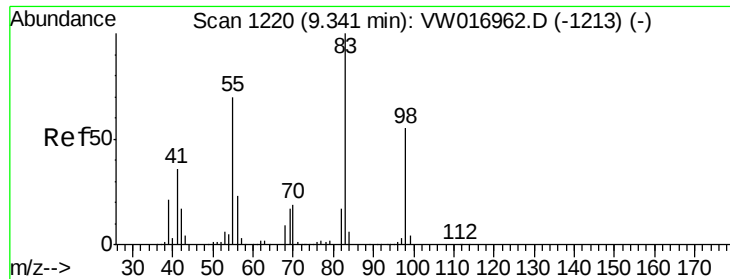
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

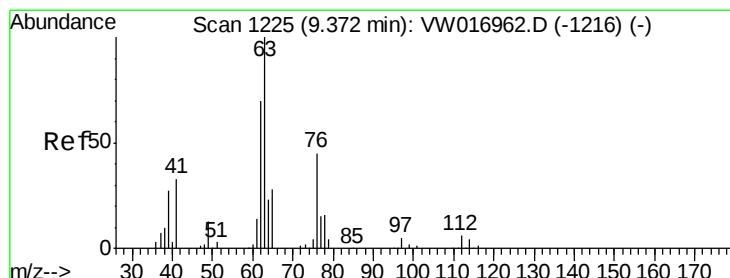
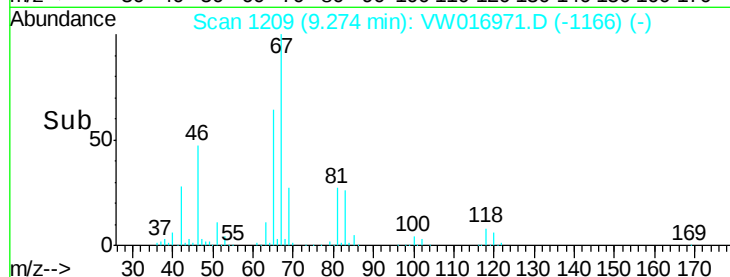
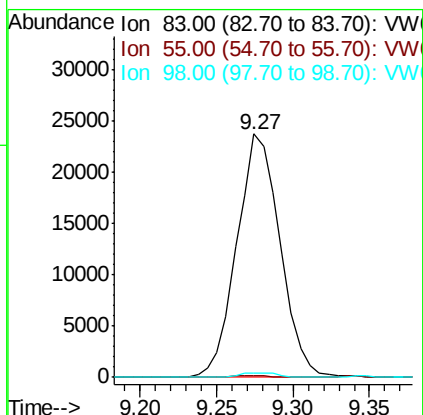
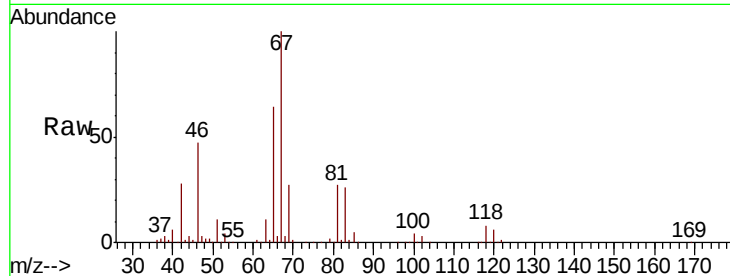




#36
Methvlcvclohexane
Concen: 3.300 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.07 min
Lab File: VW016971.D
Acq: 22 Oct 2020 15:48

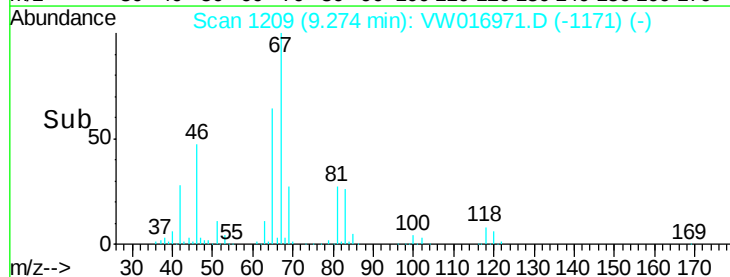
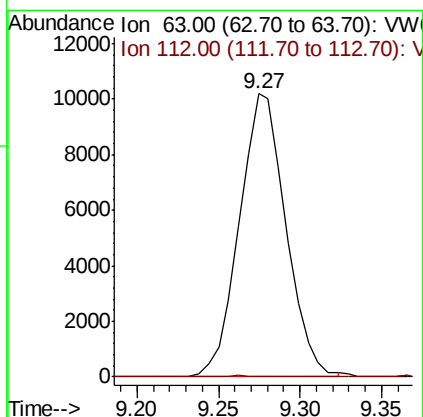
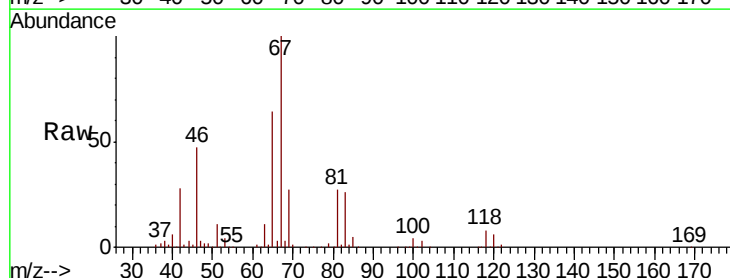
Instrument :
MSVOA_W
ClientSampleId :
BG432

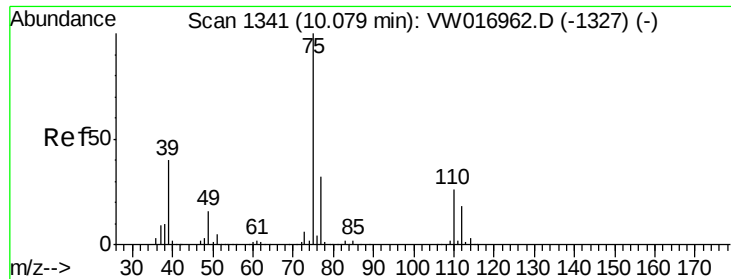
Tot Ion: 83 Resp: 46703
Ion Ratio Lower Upper
83 100
55 0.4 54.5 81.7#
98 1.1 40.8 61.2#



#40
1,2-Dichloropropane
Concen: 2.967 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016971.D
Acq: 22 Oct 2020 15:48

Tgt Ion: 63 Resp: 20159
Ion Ratio Lower Upper
63 100
112 0.4 4.5 6.7#





#42

cis-1,3-Dichloropropene

Concen: 0.499 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016971.D

Acq: 22 Oct 2020 15:48

Instrument :

MSVOA_W

ClientSampleId :

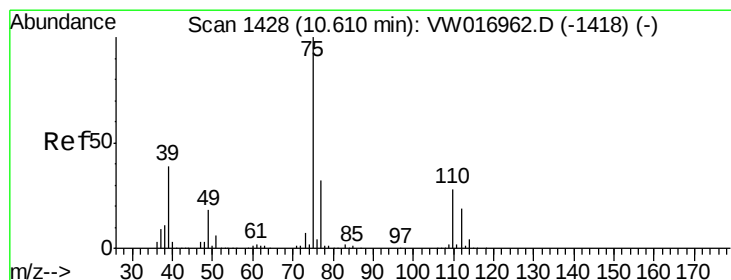
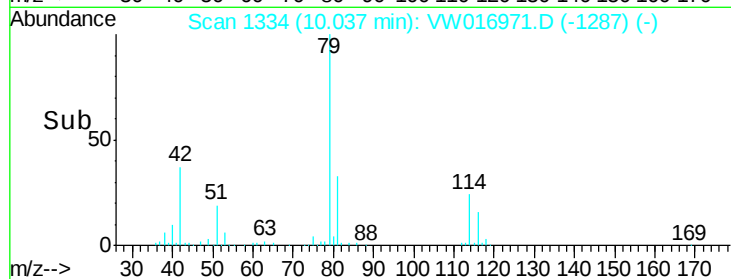
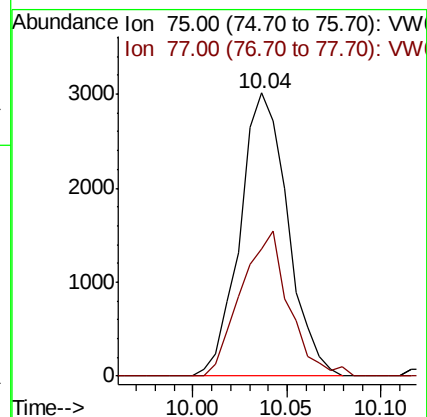
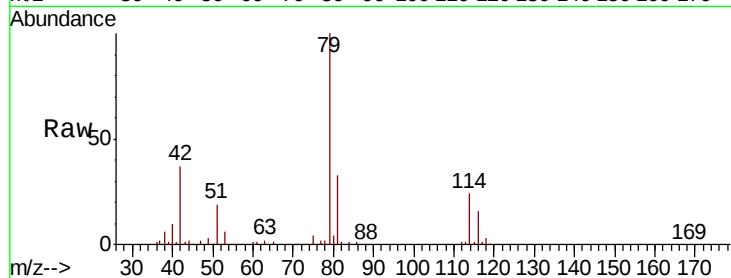
BG432

Tot Ion: 75 Resp: 5300

Ion Ratio Lower Upper

75 100

77 44.9 22.7 42.1#



#45

trans-1,3-Dichloropropene

Concen: 0.374 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016971.D

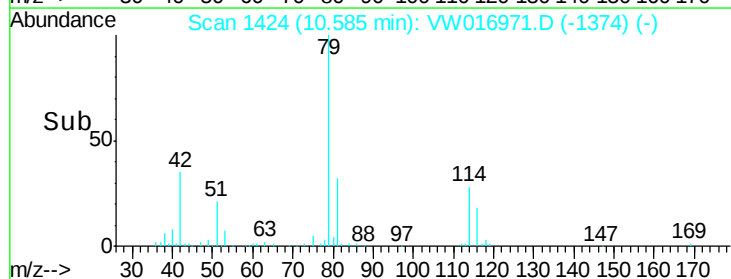
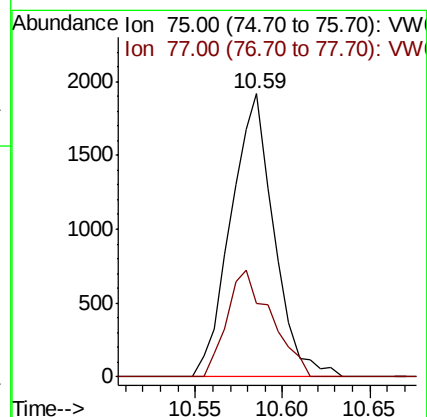
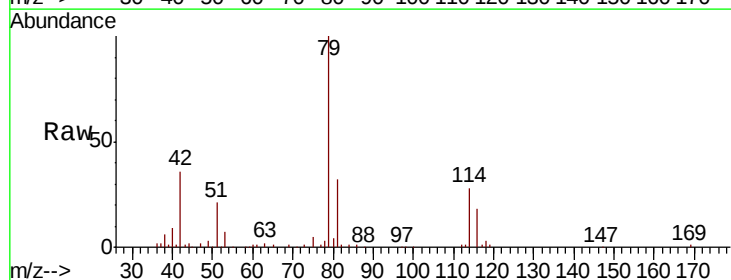
Acq: 22 Oct 2020 15:48

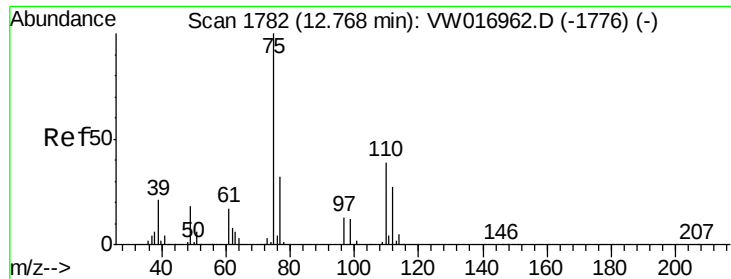
Tgt Ion: 75 Resp: 3290

Ion Ratio Lower Upper

75 100

77 26.0 22.7 42.3





#59

1,2,3-Trichloropropane

Concen: 6.335 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW016971.D

Acq: 22 Oct 2020 15:48

Instrument :

MSVOA_W

ClientSampleId :

BG432

Tot Ion: 75 Resp: 26462

Ion Ratio Lower Upper

75 100

77 36.5 25.8 38.8

