

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
 Data File : VW016929.D
 Acq On : 16 Oct 2020 15:40
 Operator : SY/VA
 Sample : L4426-12
 Misc : 5.63G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 00:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 17 00:37:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	555701	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	492734	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	220576	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124531	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	2.89	69	109342	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	4.02	63	194723	16.73	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.92%
20) 2-Butanone-d5	7.08	46	61943	49.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.78%
24) Chloroform-d	7.65	84	302865	25.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.32%
26) 1,2-Dichloroethane-d4	8.30	65	151256	26.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.84%
29) Benzene-d6	8.27	84	613356	27.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.64%
33) 1,2-Dichloropropane-d6	9.27	67	173384	28.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.32%
37) Toluene-d8	10.32	98	574157	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.76%
38) trans-1,3-Dichloropropene-	10.58	79	65397	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
39) 2-Hexanone-d5	10.93	63	51682	55.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127758	26.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	194690	27.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.32%

Target Compounds

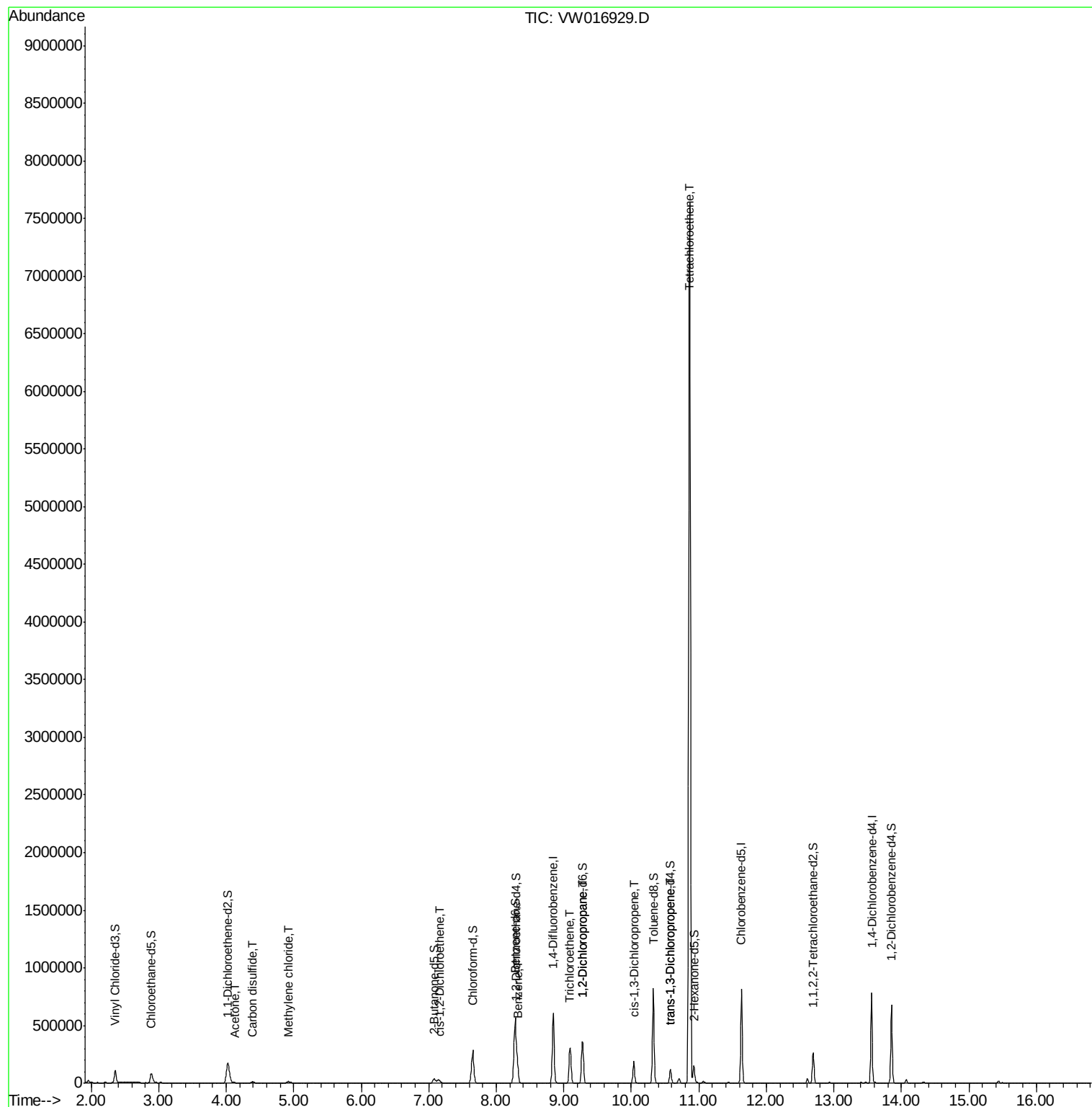
					Ovalue
13) Acetone	4.13	43	5743	6.112 ug/L	60
14) Carbon disulfide	4.39	76	28762	1.396 ug/L	98
16) Methylene chloride	4.93	84	12797	1.669 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	1145	0.150 ug/L	85
34) Benzene	8.32	78	10393	0.393 ug/L	100
35) Trichloroethene	9.09	95	107682	14.387 ug/L	98
40) 1,2-Dichloropropane	9.27	63	19016	3.178 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4952	0.519 ug/L #	72
45) trans-1,3-Dichloropropene	10.58	75	3018	0.376 ug/L #	73
47) Tetrachloroethene	10.87	164	1880882	271.057 ug/L	92

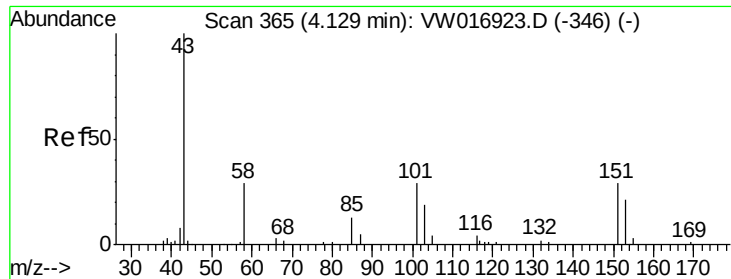
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Oct 17 00:37:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.112 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016929.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_W

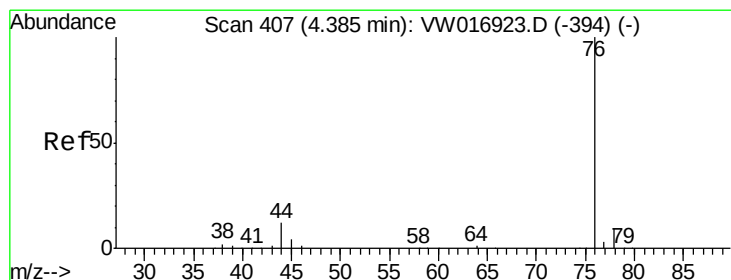
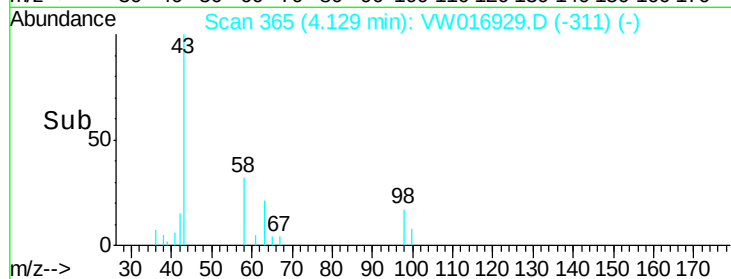
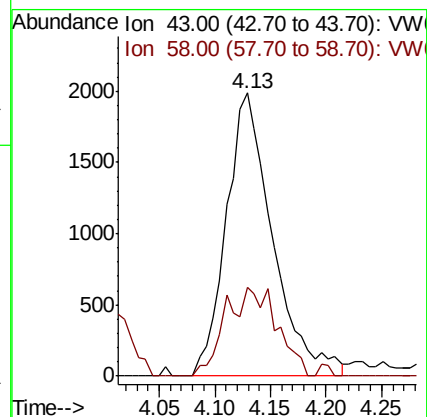
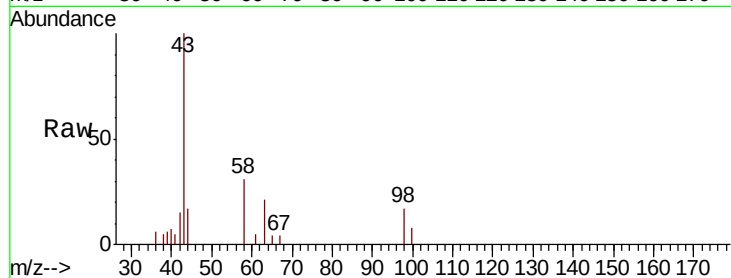
ClientSampleId :

Tot Ion: 43 Resp: 5743

Ion Ratio Lower Upper

43 100 0.0 67.6

58 10.7 0.0 67.6



#14

Carbon disulfide

Concen: 1.396 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016929.D

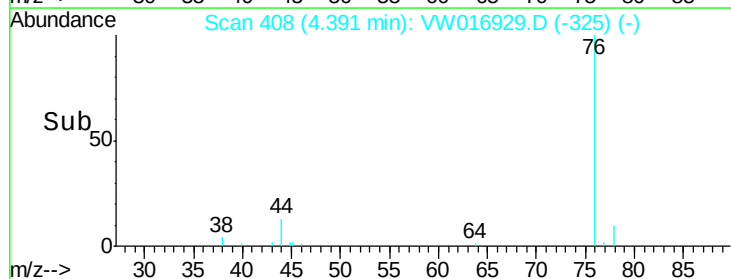
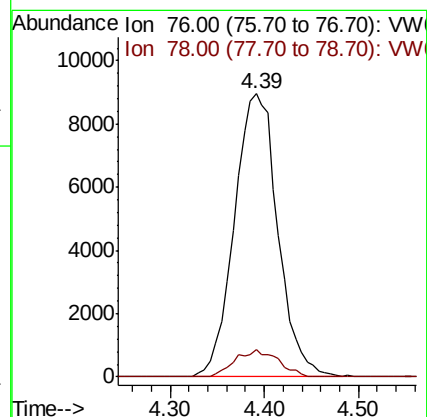
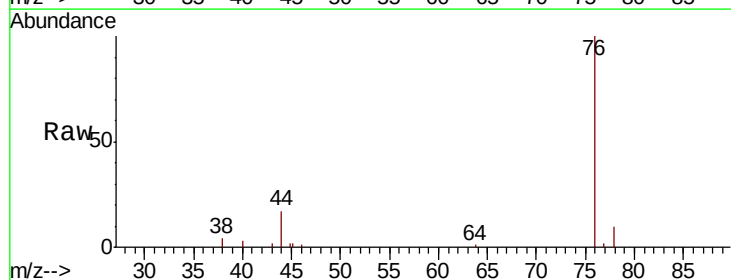
Acq: 16 Oct 2020 15:40

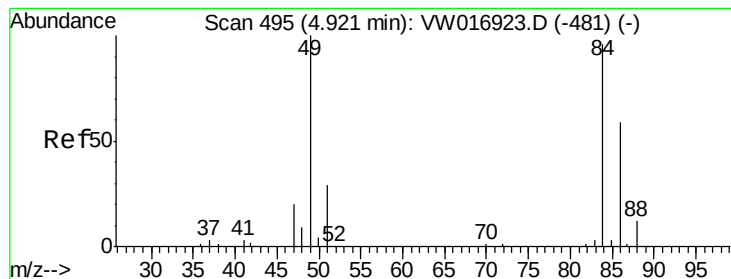
Tgt Ion: 76 Resp: 28762

Ion Ratio Lower Upper

76 100 7.4 11.0

78 9.7 7.4 11.0





#16

Methylene chloride

Concen: 1.669 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016929.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

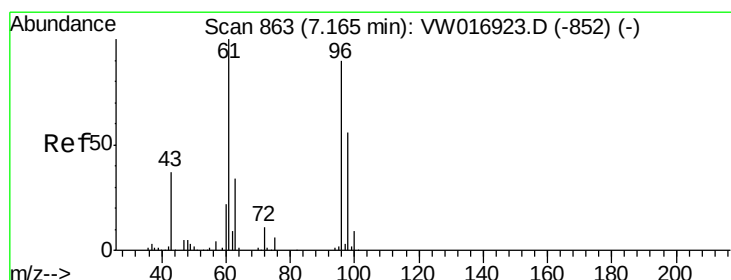
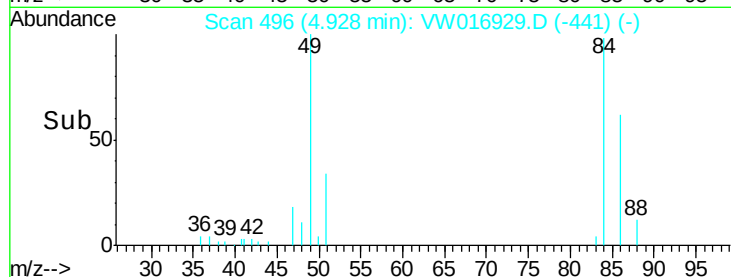
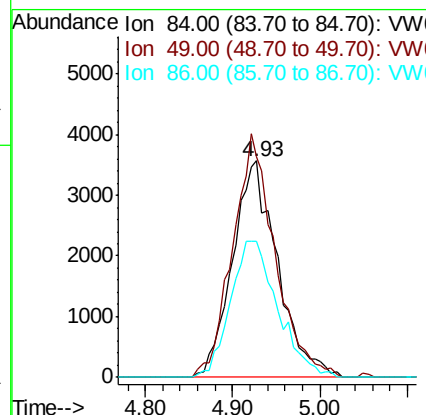
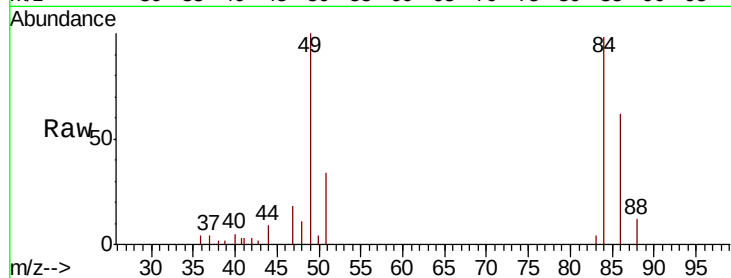
Tot Ion: 84 Resp: 12797

Ion Ratio Lower Upper

84 100

49 101.9 73.1 135.8

86 62.9 46.0 85.4



#22

cis-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW016929.D

Acq: 16 Oct 2020 15:40

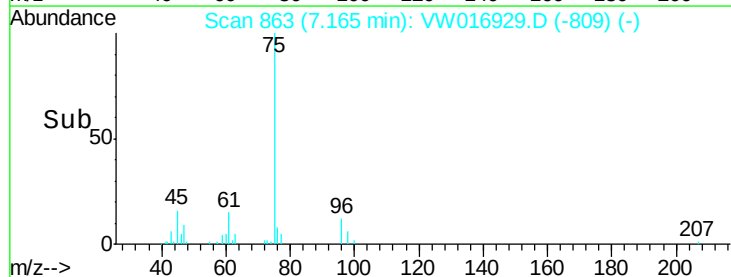
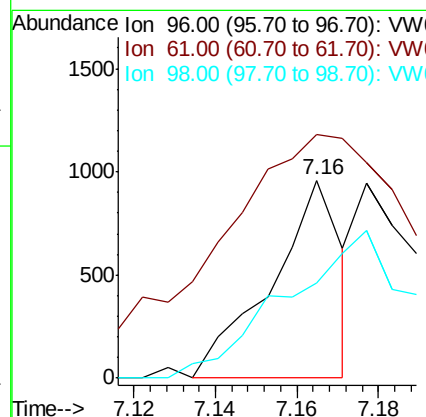
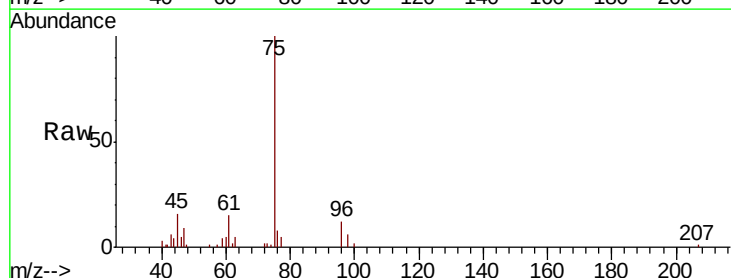
Tgt Ion: 96 Resp: 1145

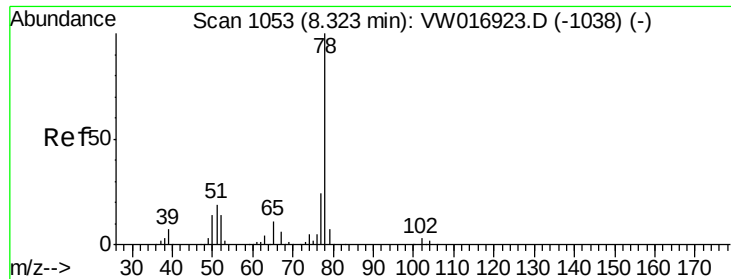
Ion Ratio Lower Upper

96 100

61 123.2 76.0 141.2

98 48.4 42.7 79.3





#34

Benzene

Concen: 0.393 ug/L

RT: 8.32 min Scan# 1053

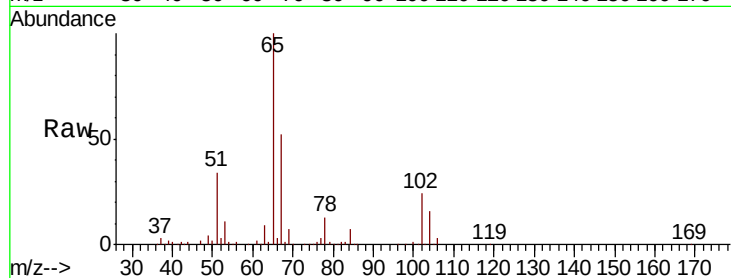
Delta R.T. -0.00 min

Lab File: VW016929.D

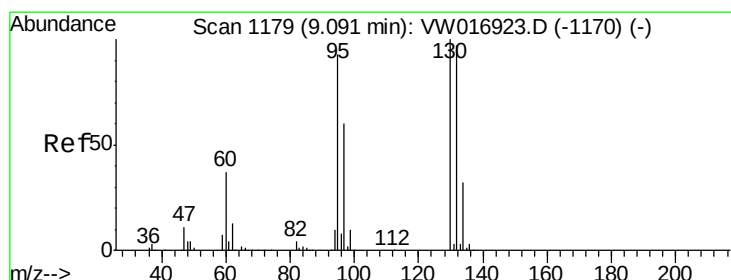
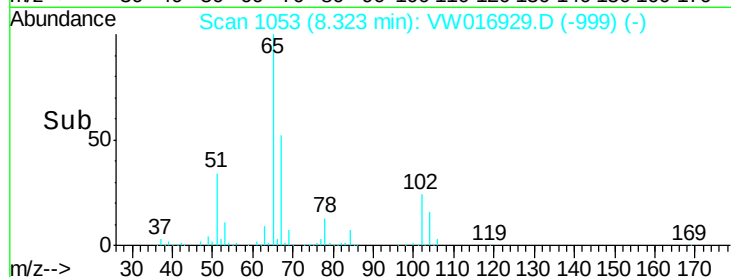
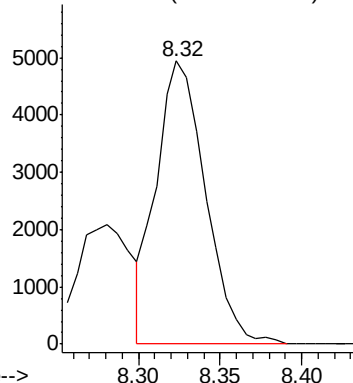
Acq: 16 Oct 2020 15:40

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 10393



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 14.387 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016929.D

Acq: 16 Oct 2020 15:40

Tgt Ion: 95 Resp: 107682

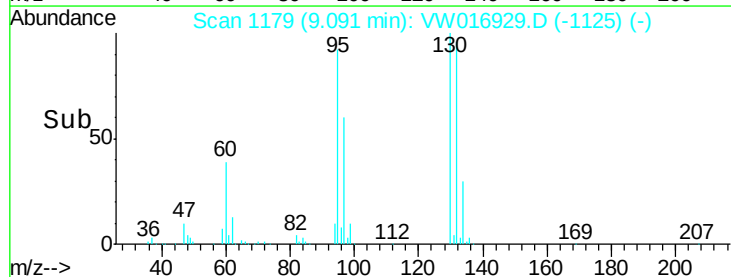
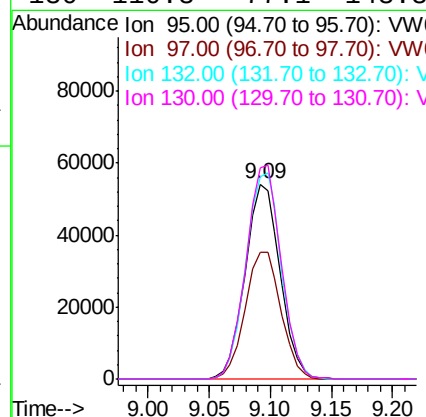
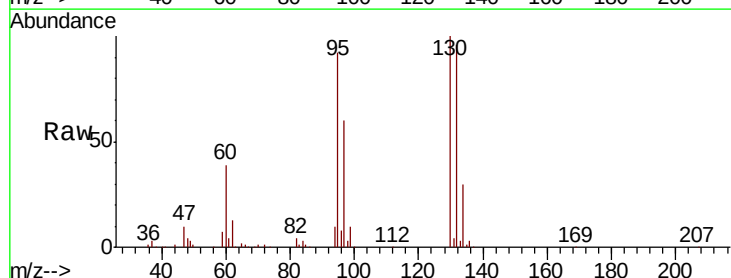
Ion	Ratio	Lower	Upper
95	100		
97	66.6	44.7	83.1
132	107.8	73.8	137.2
130	110.3	77.1	143.3

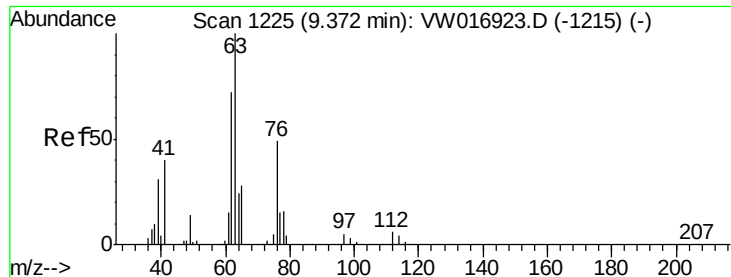
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.178 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016929.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_W

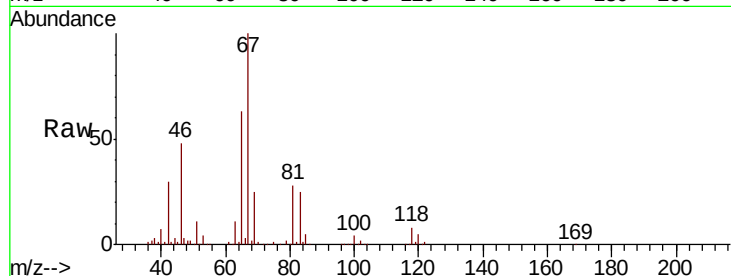
ClientSampled :

Tot Ion: 63 Resp: 19016

Ion Ratio Lower Upper

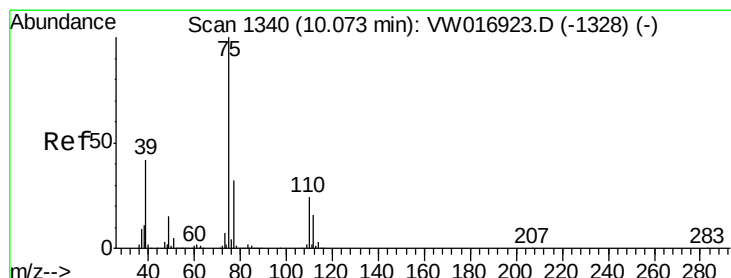
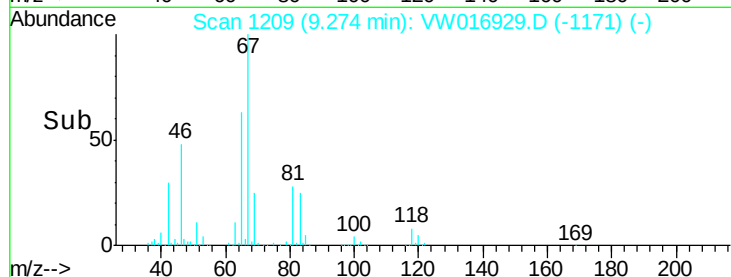
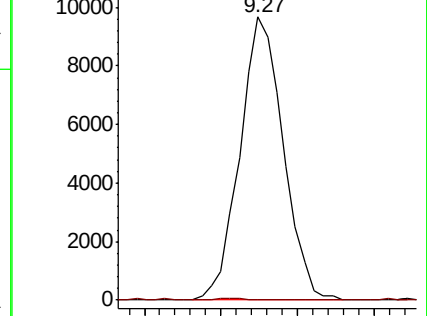
63 100

112 0.4 4.5 6.7#



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: 0.519 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016929.D

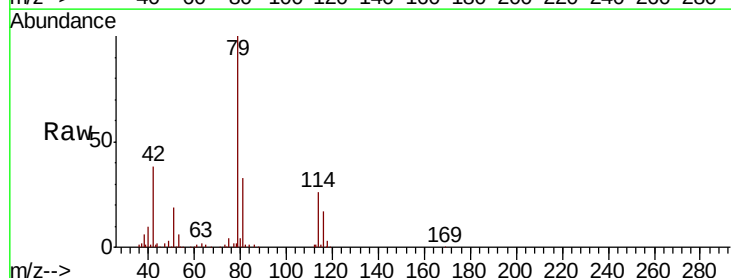
Acq: 16 Oct 2020 15:40

Tgt Ion: 75 Resp: 4952

Ion Ratio Lower Upper

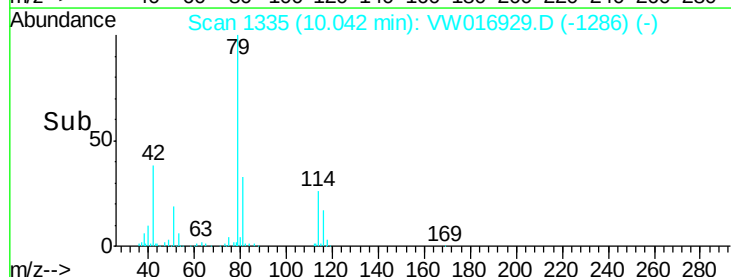
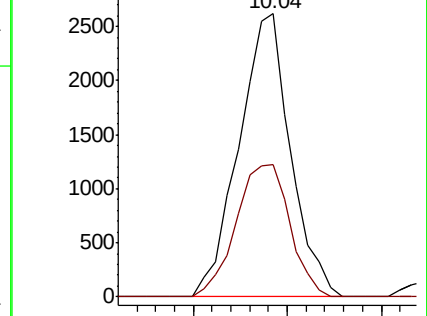
75 100

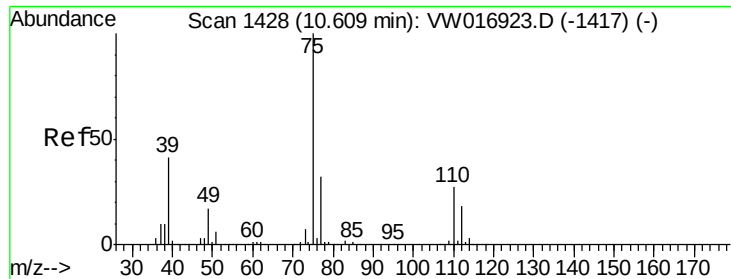
77 47.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

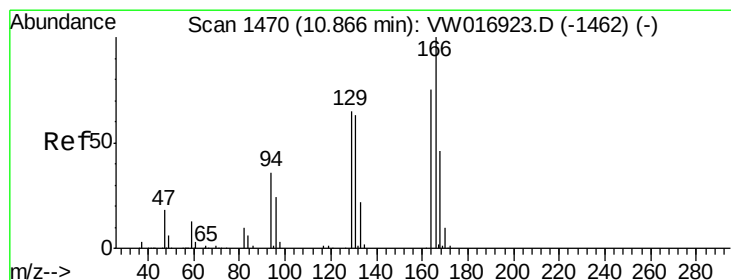
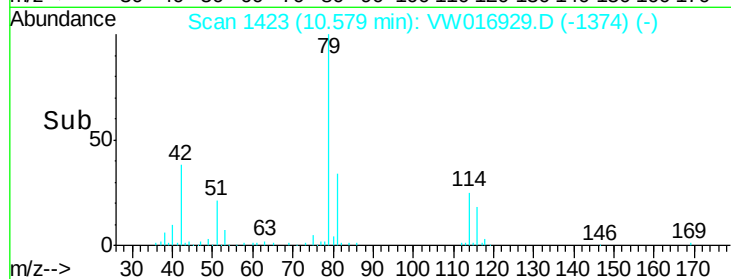
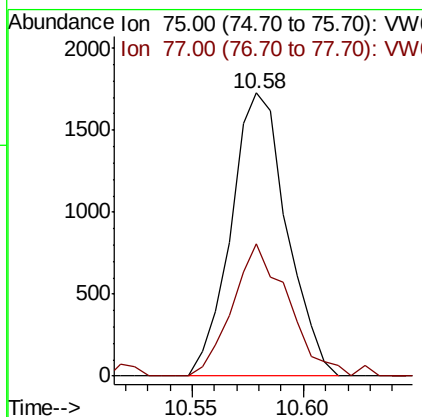
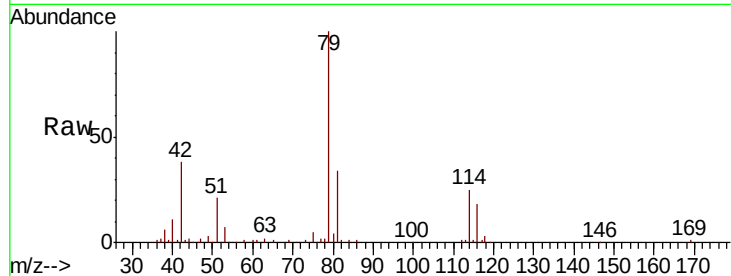




#45
trans-1,3-Dichloropropene
Concen: 0.376 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW016929.D
Acq: 16 Oct 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 3018
Ion Ratio Lower Upper
75 100
77 46.7 22.2 41.2#



#47
Tetrachloroethene
Concen: 271.057 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016929.D
Acq: 16 Oct 2020 15:40

Tgt Ion:164 Resp: 1880882
Ion Ratio Lower Upper
164 100
129 91.1 61.7 114.7
131 82.1 59.7 110.9
166 109.3 88.3 164.1

