

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102320\
 Data File : VW016979.D
 Acq On : 23 Oct 2020 13:32
 Operator : SY/VA
 Sample : L4502-01
 Misc : 5.67G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 00:33:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 24 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	549018	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	465040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	201561	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	156949	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
7) Chloroethane-d5	2.90	69	120355	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.03	63	222129	18.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.08%
20) 2-Butanone-d5	7.09	46	55219	46.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.52%
24) Chloroform-d	7.65	84	286613	22.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.52%
26) 1,2-Dichloroethane-d4	8.31	65	139220	23.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.44%
29) Benzene-d6	8.28	84	608777	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
33) 1,2-Dichloropropane-d6	9.28	67	164054	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	10.33	98	560642	24.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.72%
38) trans-1,3-Dichloropropene-	10.58	79	63529	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.84%
39) 2-Hexanone-d5	10.93	63	45124	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	115178	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	171789	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	7253	1.009	ug/L #	1
13) Acetone	4.14	43	2987	3.719	ug/L #	29
16) Methylene chloride	4.92	84	4750	0.654	ug/L	81
21) 2-Butanone	7.16	43	1536	1.143	ug/L	77
22) cis-1,2-Dichloroethene	7.18	96	11936	1.571	ug/L	94
34) Benzene	8.33	78	76802	2.990	ug/L	100
35) Trichloroethene	9.10	95	93078	13.082	ug/L	99
36) Methylcyclohexane	9.28	83	42726	3.576	ug/L #	21
40) 1,2-Dichloropropane	9.28	63	18033	3.143	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4632	0.516	ug/L #	77
43) 4-Methyl-2-pentanone	10.21	43	3995	1.469	ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2780	0.374	ug/L	95
46) 1,1,2-Trichloroethane	10.87	97	31823	6.930	ug/L #	1
47) Tetrachloroethene	10.87	164	4212195	643.583	ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	19668	5.576	ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102320\
Data File : VW016979.D
Acq On : 23 Oct 2020 13:32
Operator : SY/VA
Sample : L4502-01
Misc : 5.67G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 24 00:33:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 24 00:31:51 2020
Response via : Initial Calibration

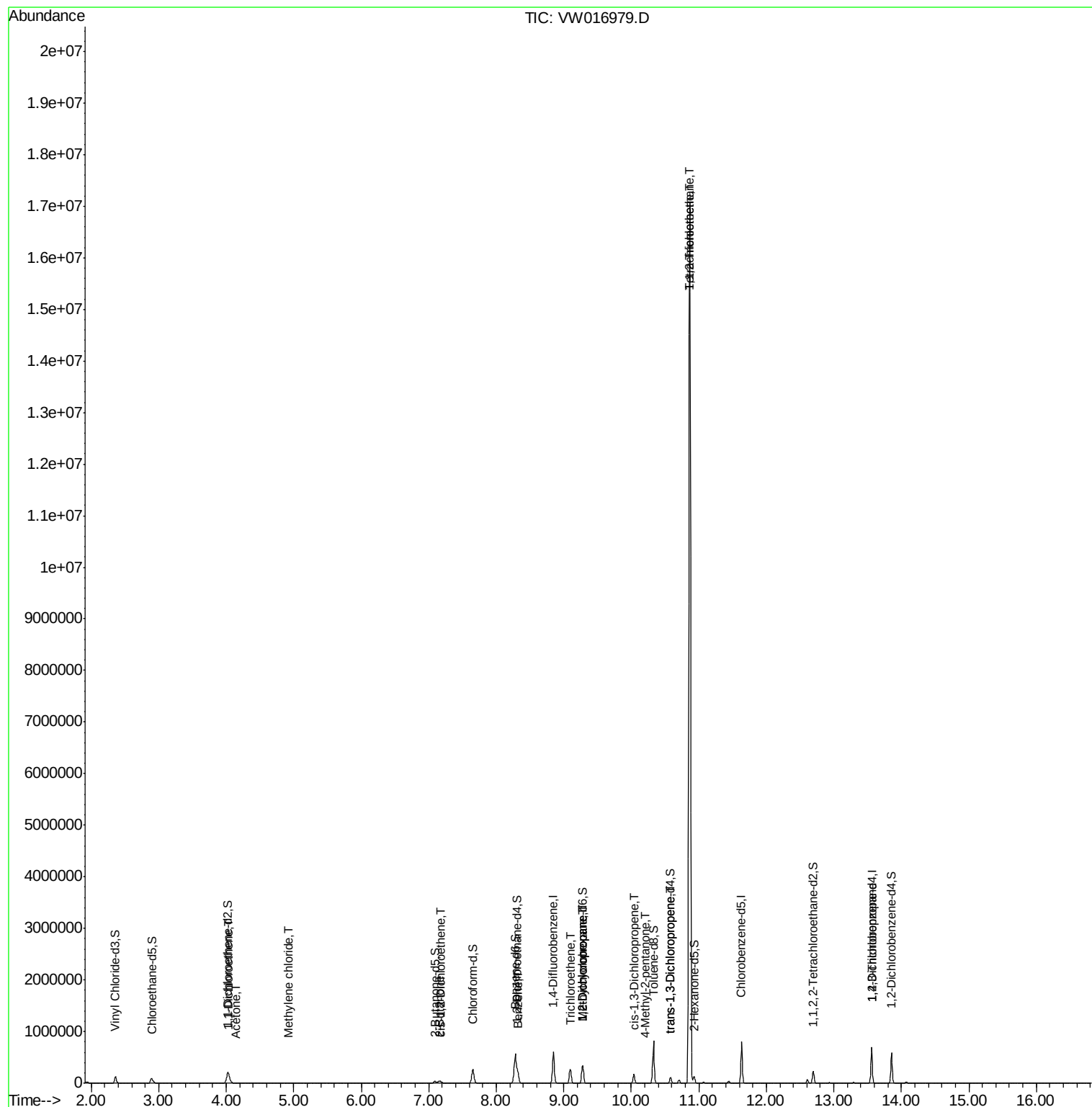
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

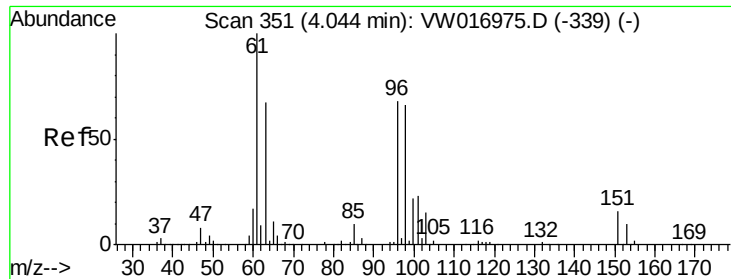
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102320\
Data File : VW016979.D
Acq On : 23 Oct 2020 13:32
Operator : SY/VA
Sample : L4502-01
Misc : 5.67G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 24 00:33:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 24 00:31:51 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.009 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016979.D

Acq: 23 Oct 2020 13:32

Instrument :

MSVOA_W

ClientSampled :

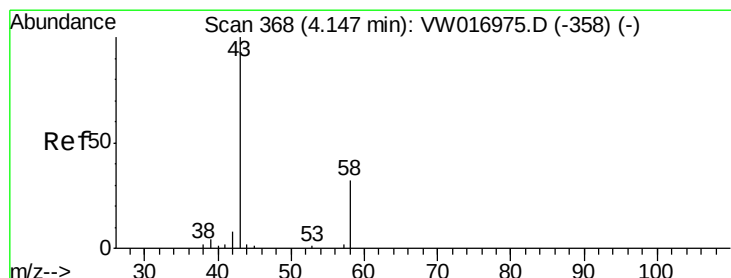
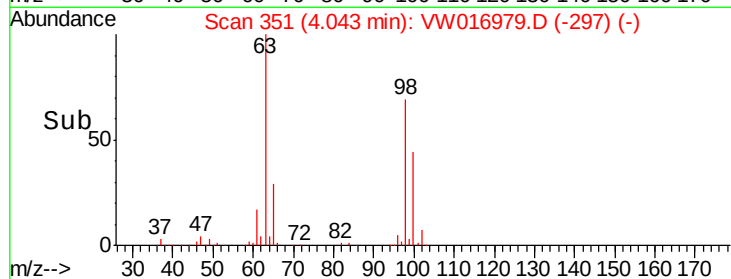
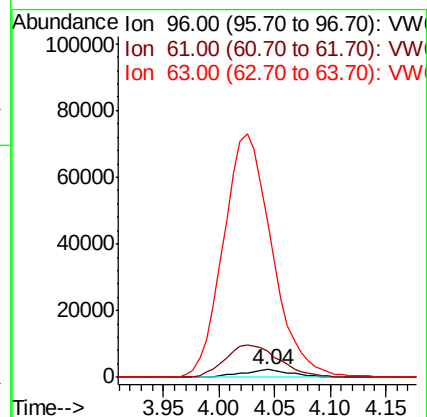
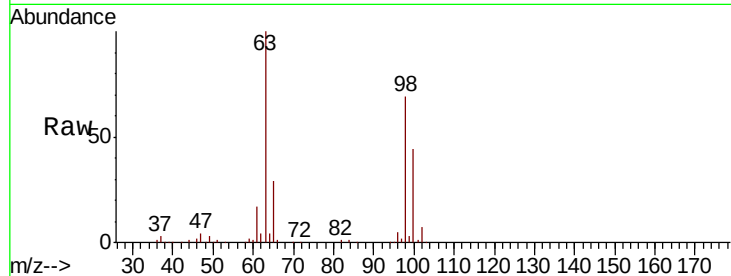
Tot Ion: 96 Resp: 7253

Ion Ratio Lower Upper

96 100

61 334.4 101.4 188.4#

63 2009.4 78.5 145.9#



#13

Acetone

Concen: 3.719 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016979.D

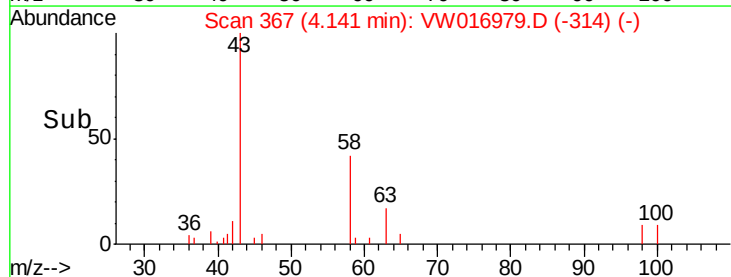
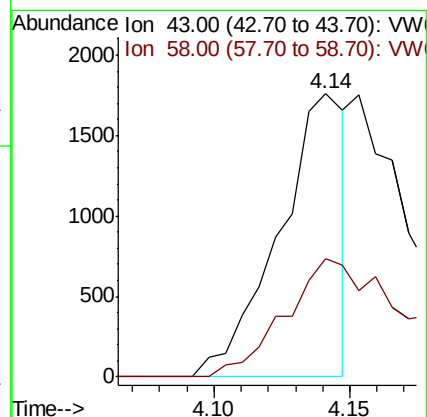
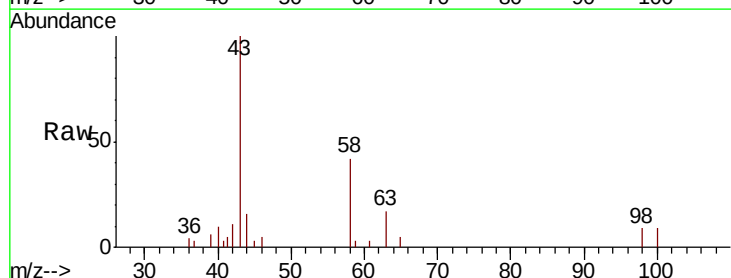
Acq: 23 Oct 2020 13:32

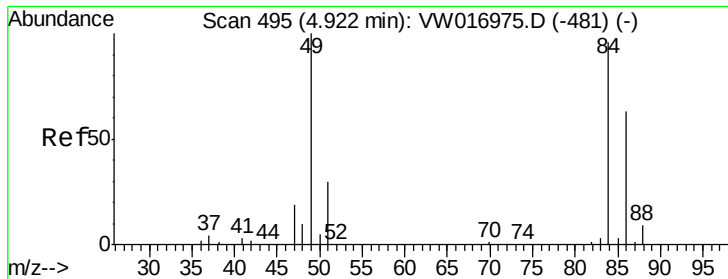
Tgt Ion: 43 Resp: 2987

Ion Ratio Lower Upper

43 100

58 76.0 0.0 69.8#

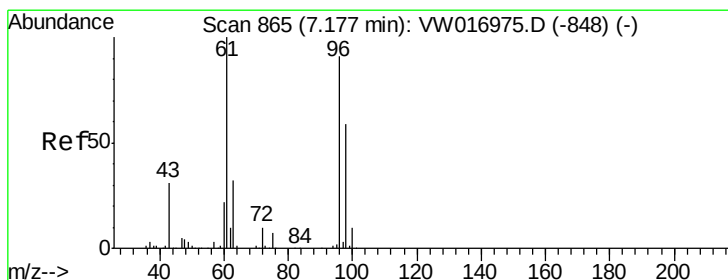
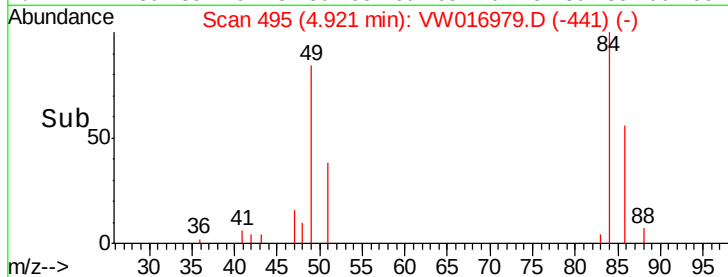
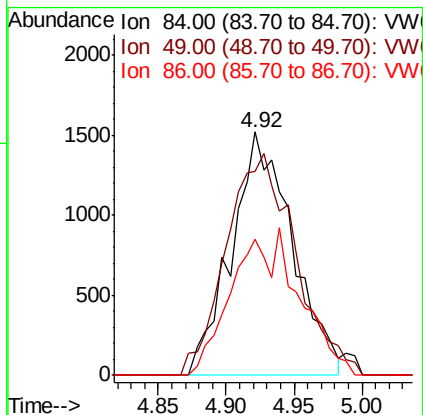
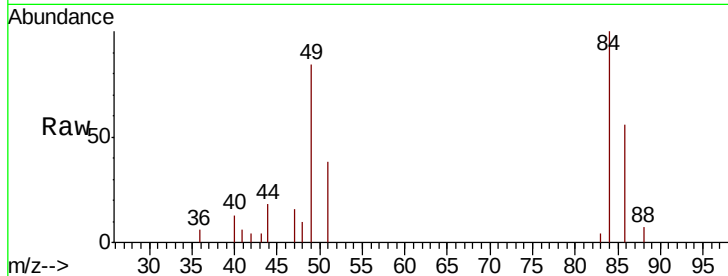




#16
Methylene chloride
Concen: 0.654 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016979.D
Acq: 23 Oct 2020 13:32

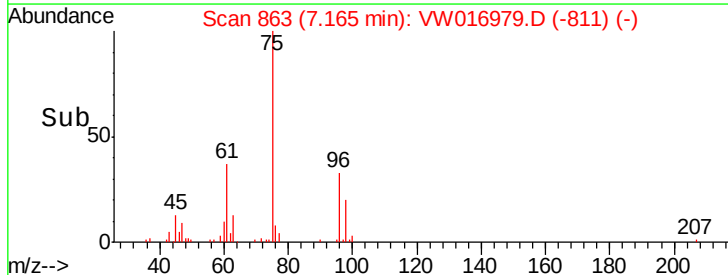
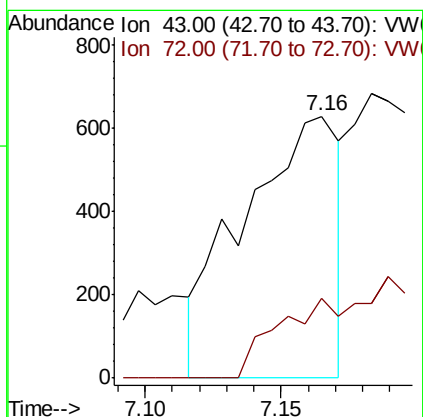
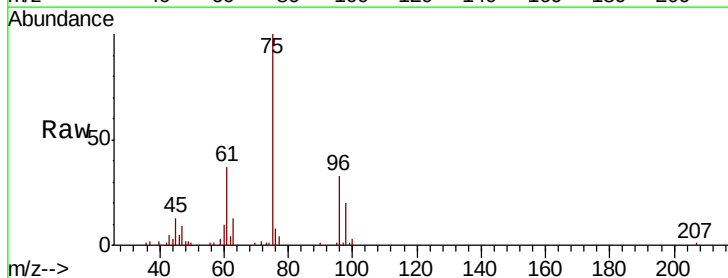
Instrument :
MSVOA_W
ClientSampled :

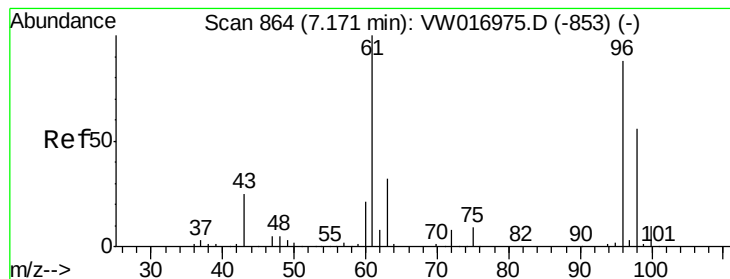
Tot Ion: 84 Resp: 4750
Ion Ratio Lower Upper
84 100
49 83.9 73.8 137.0
86 55.7 47.4 88.0



#21
2-Butanone
Concen: 1.143 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016979.D
Acq: 23 Oct 2020 13:32

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
72 19.5 16.1 48.2





#22

cis-1,2-Dichloroethene

Concen: 1.571 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016979.D

Acq: 23 Oct 2020 13:32

Instrument :
MSVOA_W
ClientSampled :

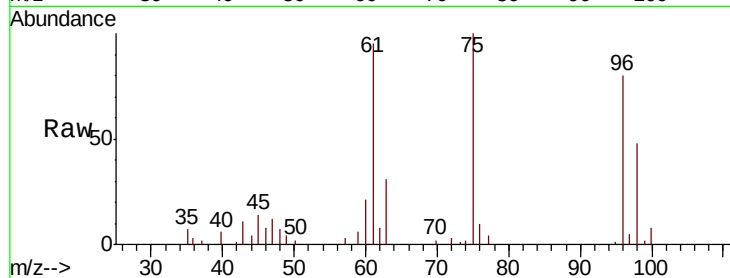
Tot Ion: 96 Resp: 11936

Ion Ratio Lower Upper

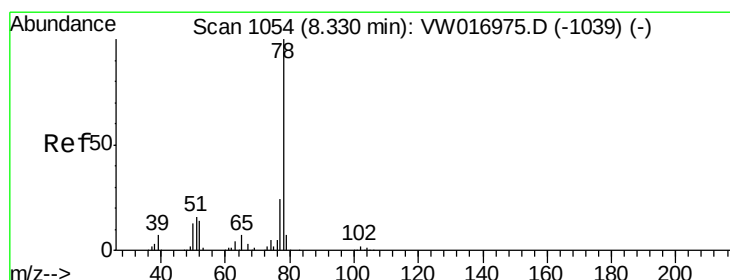
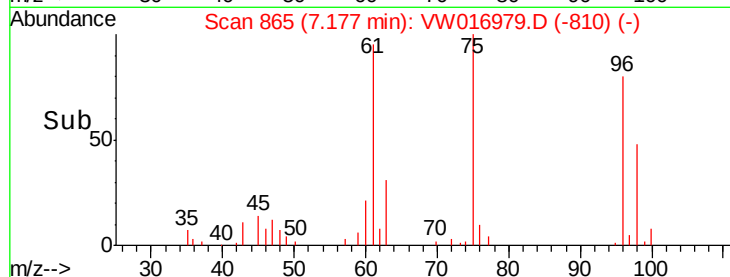
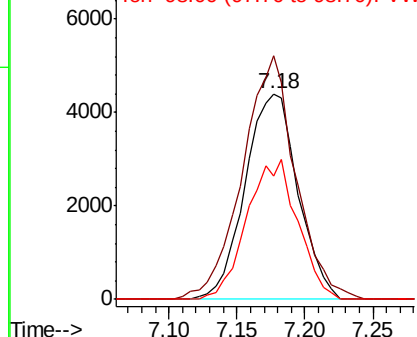
96 100

61 118.5 77.4 143.8

98 59.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#34

Benzene

Concen: 2.990 ug/L

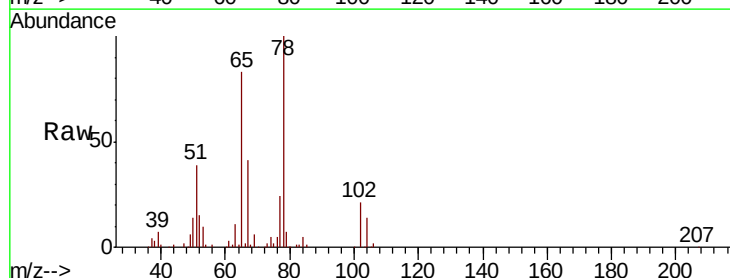
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

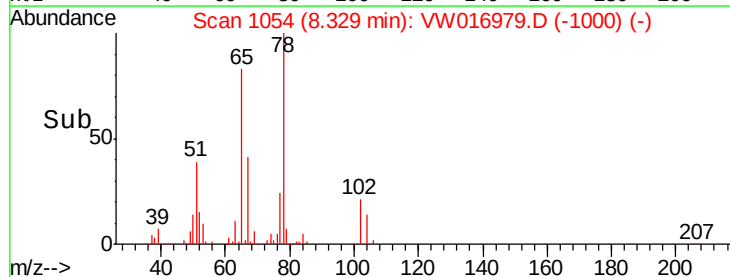
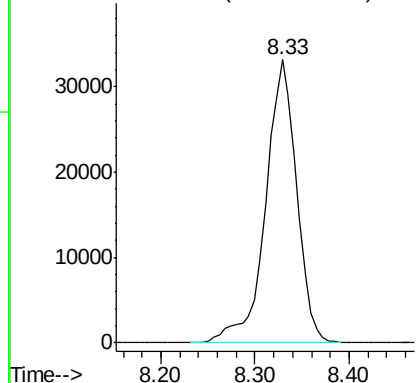
Lab File: VW016979.D

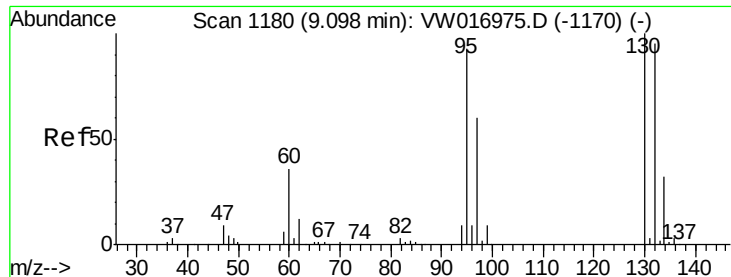
Acq: 23 Oct 2020 13:32

Tgt Ion: 78 Resp: 76802



Abundance Ion 78.00 (77.70 to 78.70): VW

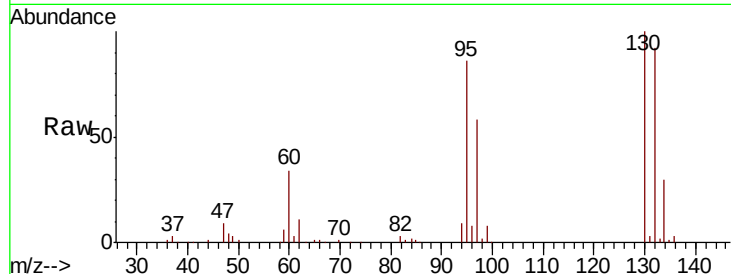




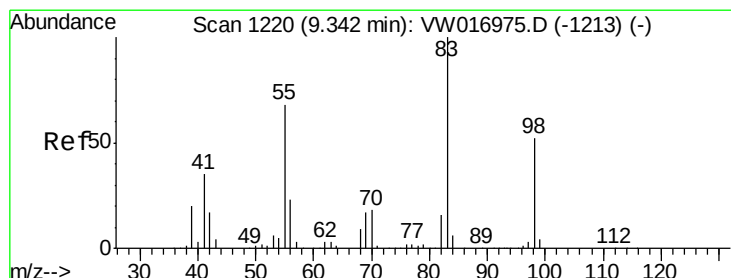
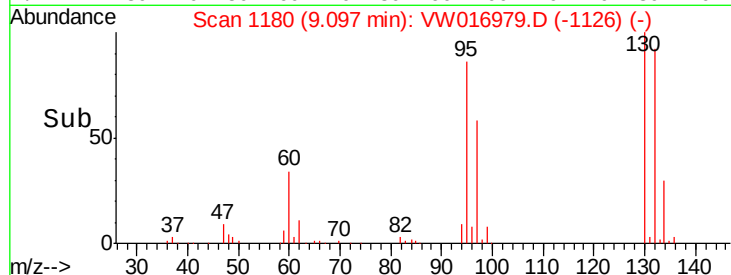
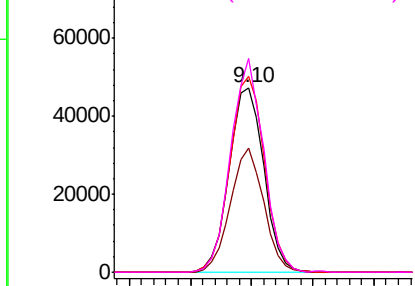
#35
 Trichloroethene
 Concen: 13.082 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016979.D
 Acq: 23 Oct 2020 13:32

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 93078
 Ion Ratio Lower Upper
 95 100
 97 64.3 46.0 85.4
 132 105.8 73.9 137.3
 130 109.3 77.6 144.2

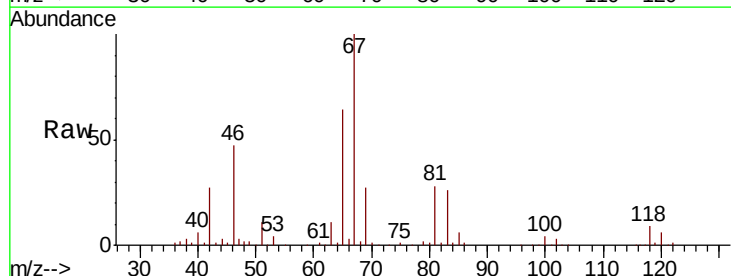


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

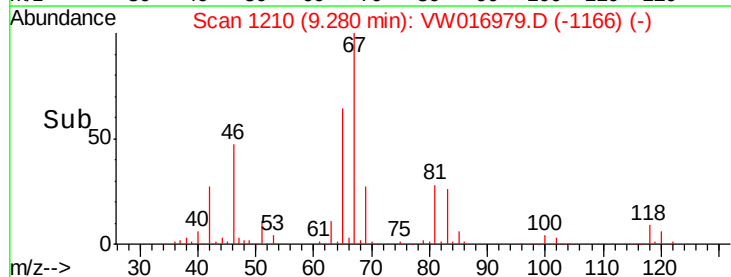
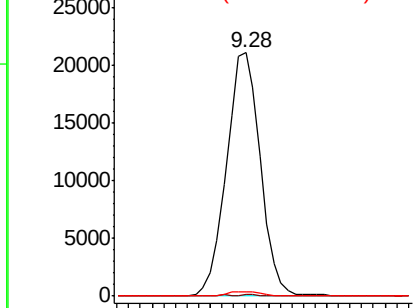


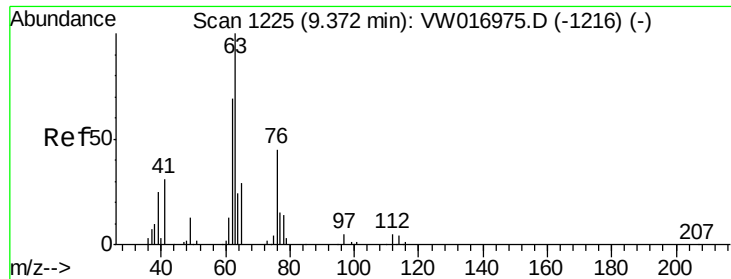
#36
 Methylcyclohexane
 Concen: 3.576 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.06 min
 Lab File: VW016979.D
 Acq: 23 Oct 2020 13:32

Tgt Ion: 83 Resp: 42726
 Ion Ratio Lower Upper
 83 100
 55 0.3 54.5 81.7#
 98 0.0 40.8 61.2#



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.143 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016979.D

Acq: 23 Oct 2020 13:32

Instrument :

MSVOA_W

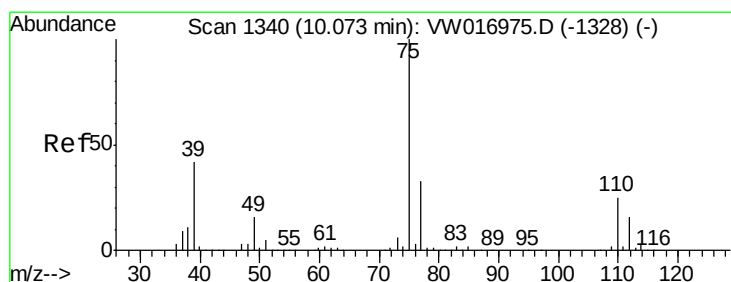
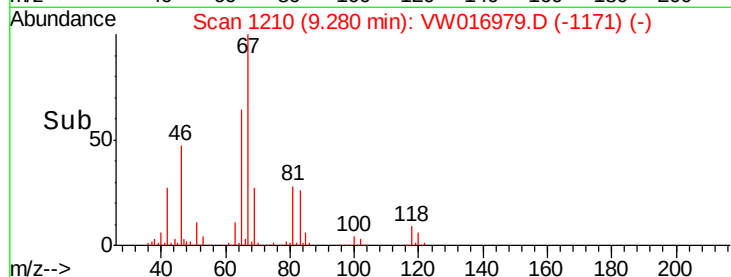
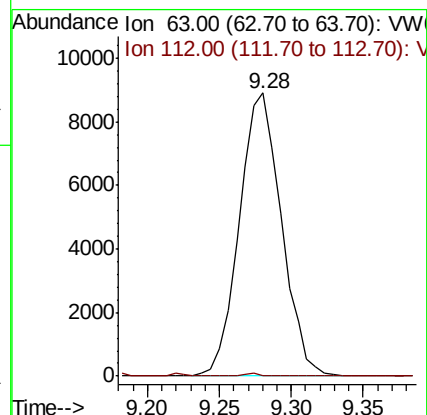
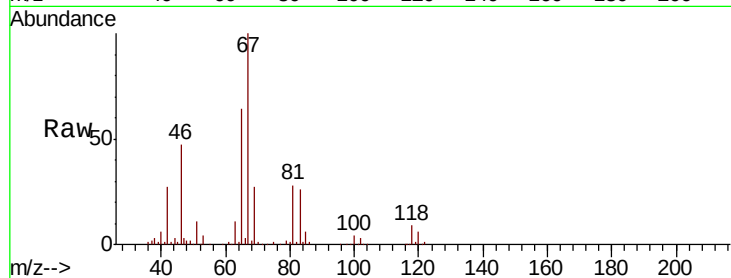
ClientSampleId :

Tot Ion: 63 Resp: 18033

Ion Ratio Lower Upper

63 100

112 0.3 4.5 6.7#



#42

cis-1,3-Dichloropropene

Concen: 0.516 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016979.D

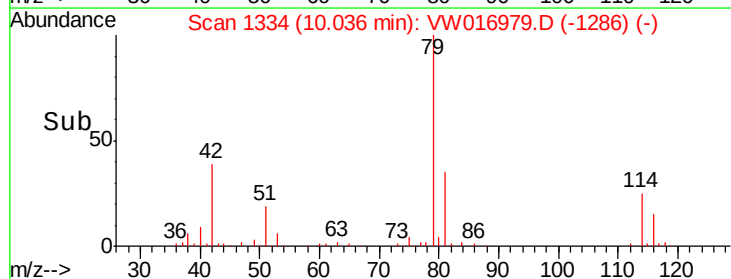
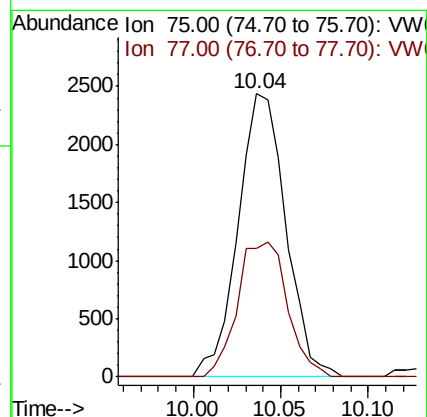
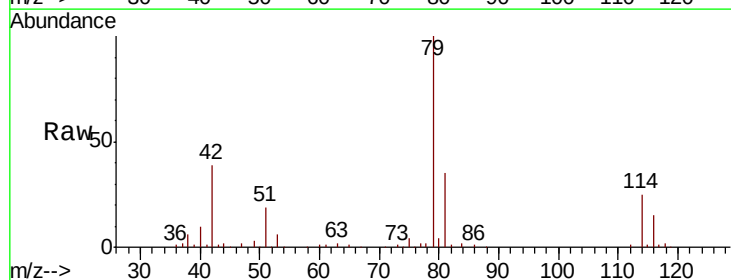
Acq: 23 Oct 2020 13:32

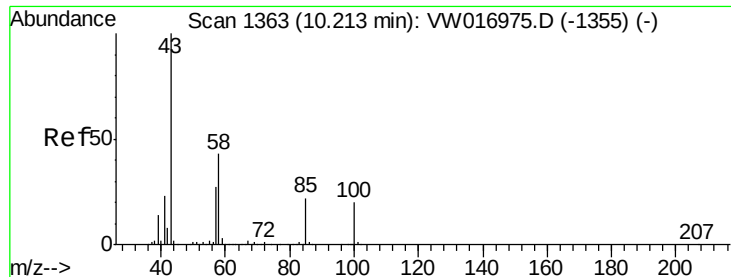
Tgt Ion: 75 Resp: 4632

Ion Ratio Lower Upper

75 100

77 45.4 22.7 42.1#





#43

4-Methyl-2-pentanone

Concen: 1.469 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016979.D

Acq: 23 Oct 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

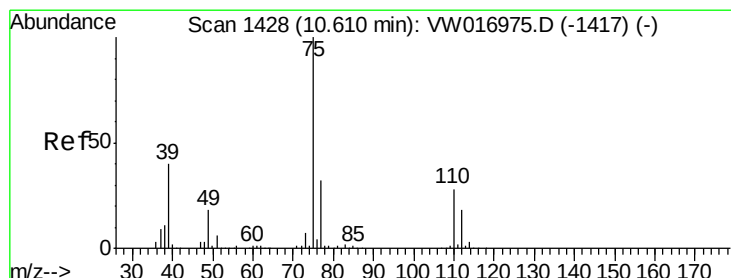
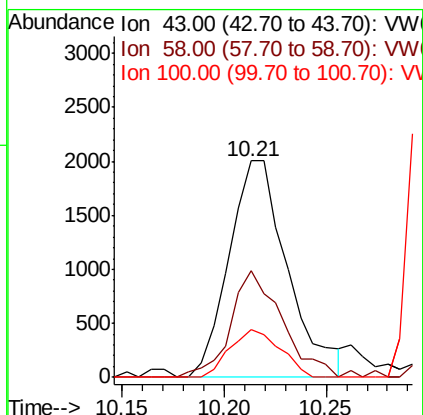
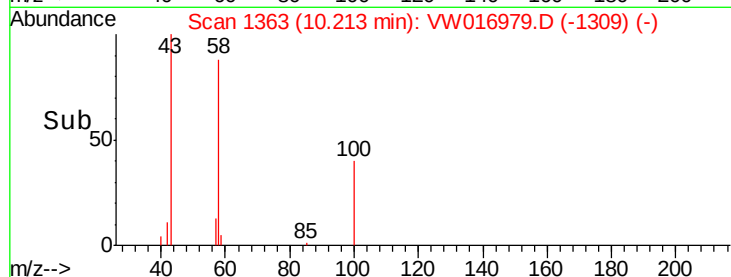
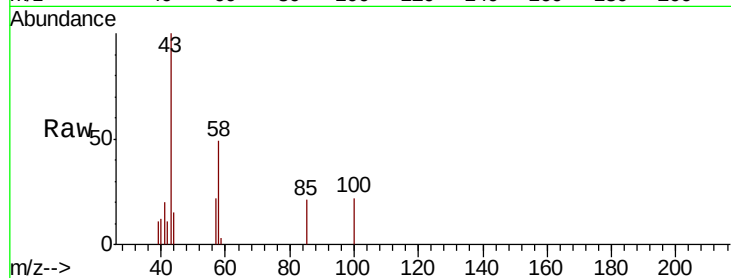
Tot Ion: 43 Resp: 3995

Ion Ratio Lower Upper

43 100

58 41.8 34.4 51.6

100 18.9 16.2 24.2



#45

trans-1,3-Dichloropropene

Concen: 0.374 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016979.D

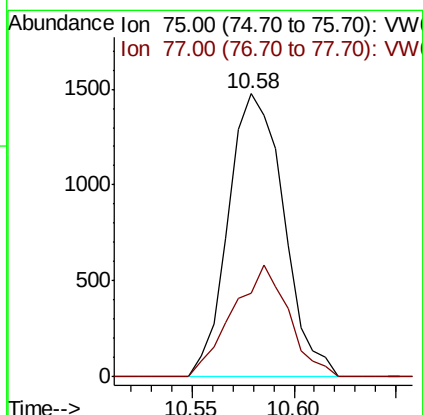
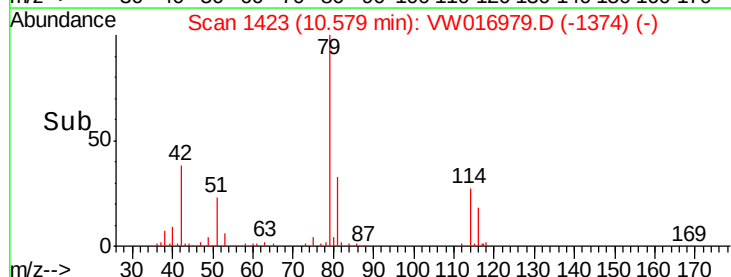
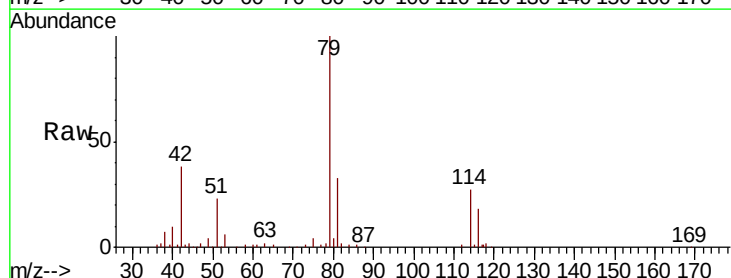
Acq: 23 Oct 2020 13:32

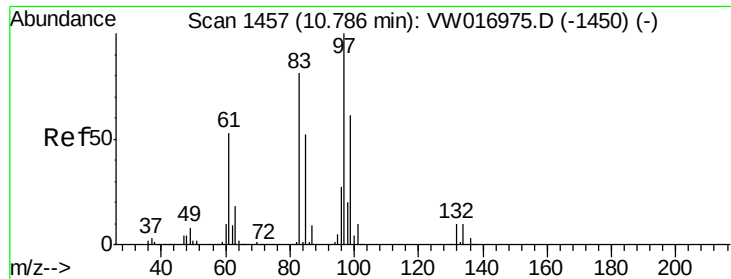
Tgt Ion: 75 Resp: 2780

Ion Ratio Lower Upper

75 100

77 29.6 22.7 42.3

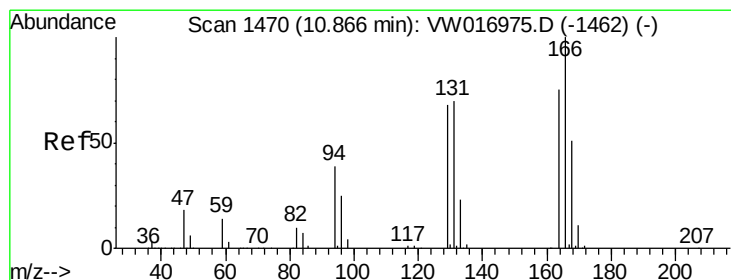
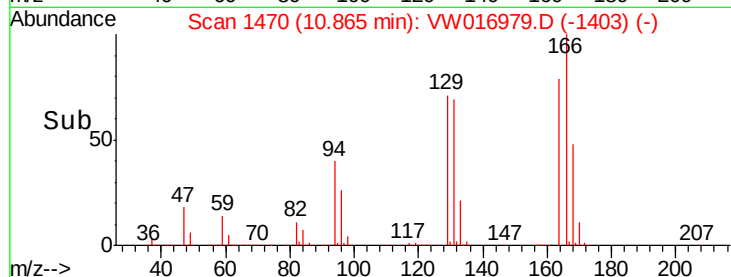
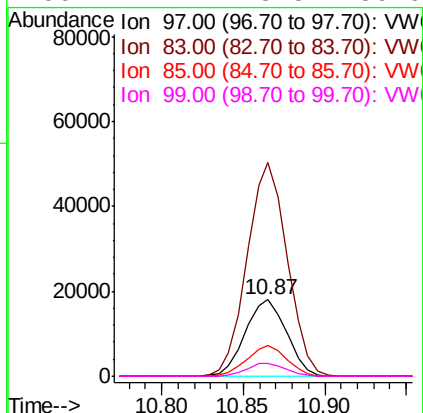
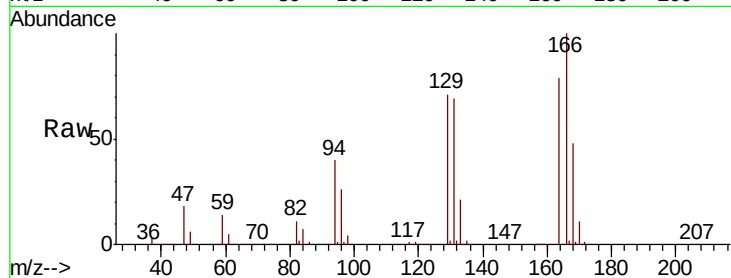




#46
 1,1,2-Trichloroethane
 Concen: 6.930 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.08 min
 Lab File: VW016979.D
 Acq: 23 Oct 2020 13:32

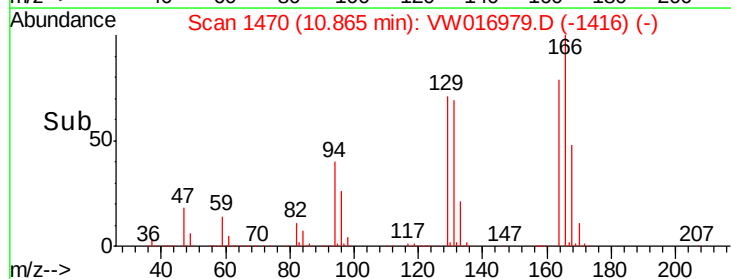
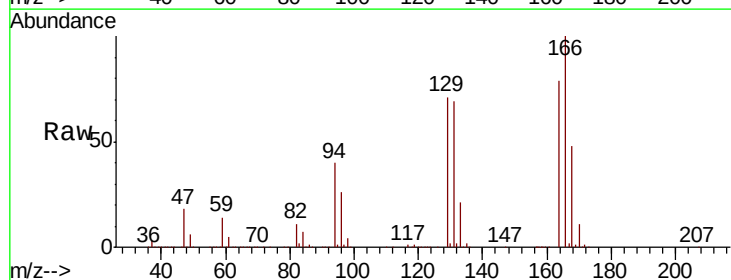
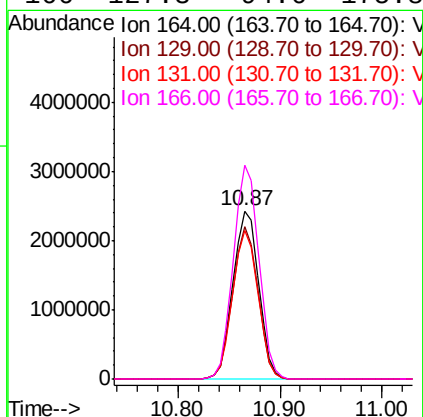
Instrument :
 MSVOA_W
 ClientSampleId :

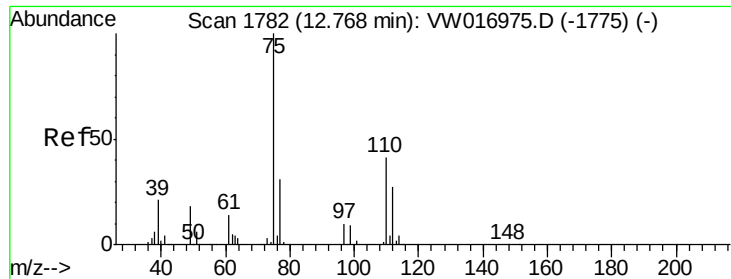
Tot Ion	97	Resp	31823
Ion	Ratio	Lower	Upper
97	100		
83	279.0	56.6	105.0#
85	40.6	34.6	64.3
99	17.1	43.5	80.9#



#47
 Tetrachloroethene
 Concen: 643.583 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016979.D
 Acq: 23 Oct 2020 13:32

Tgt Ion	164	Resp	4212195
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.0	119.0
131	88.4	61.7	114.5
166	127.3	94.6	175.8





#59

1,2,3-Trichloropropane

Concen: 5.576 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016979.D

Acq: 23 Oct 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 19668

Ion Ratio Lower Upper

75 100

77 37.8 25.8 38.8

