

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102320\
 Data File : VW016981.D
 Acq On : 23 Oct 2020 14:30
 Operator : SY/VA
 Sample : L4502-02
 Misc : 5.59G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 00:33:33 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	8.84	114	545359	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	480656	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196999	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	154894	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
7) Chloroethane-d5	2.89	69	118321	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.04%
10) 1,1-Dichloroethene-d2	4.02	63	224903	18.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.48%
20) 2-Butanone-d5	7.09	46	56330	47.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.02%
24) Chloroform-d	7.65	84	291601	23.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	8.31	65	142428	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	8.27	84	606201	24.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.20%
33) 1,2-Dichloropropane-d6	9.27	67	166288	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
37) Toluene-d8	10.33	98	566370	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.58	79	64939	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.84%
39) 2-Hexanone-d5	10.93	63	46678	49.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119345	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	168560	24.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.36%

Target Compounds

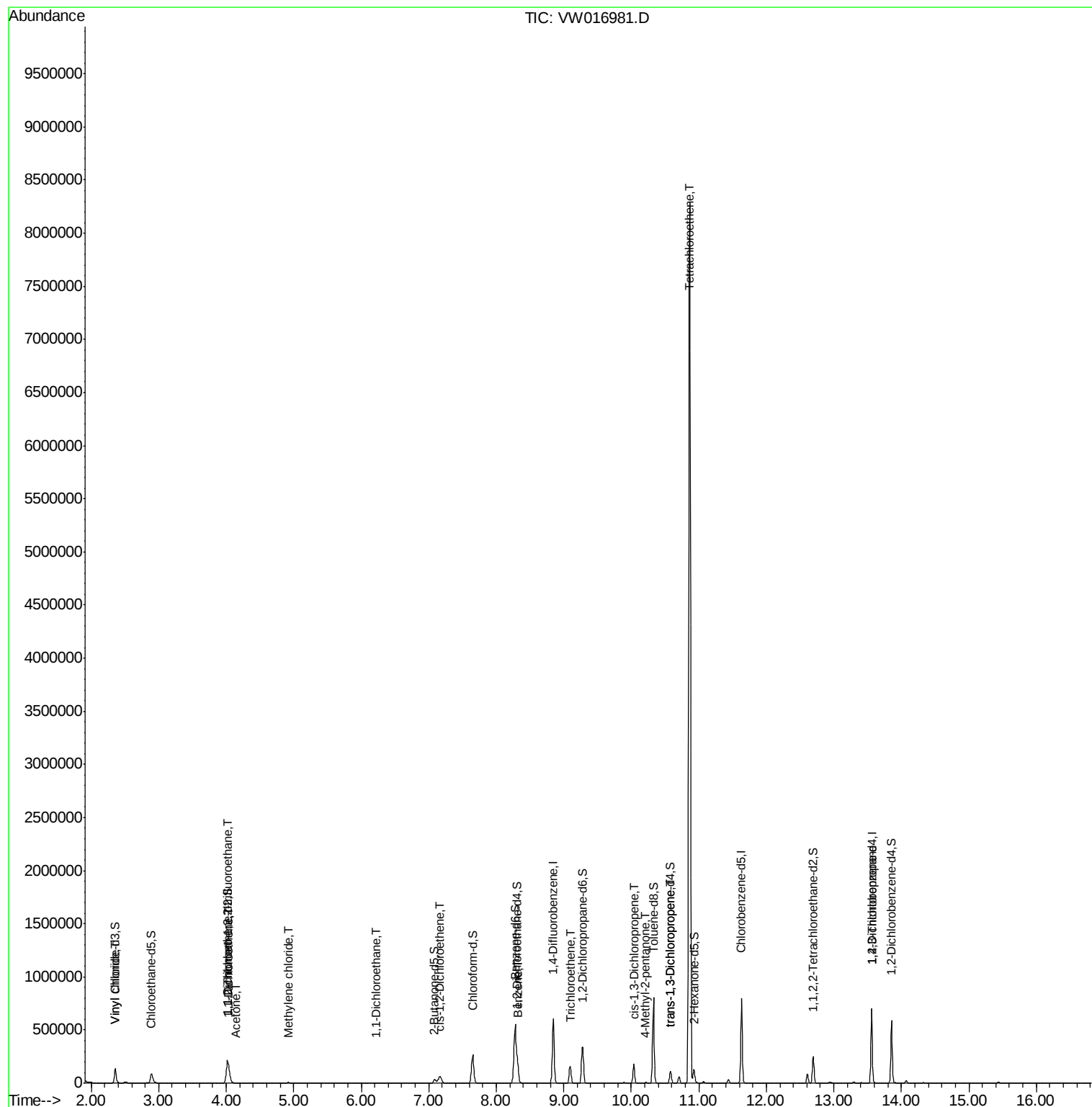
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	1783	0.227	ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	2459	0.327	ug/L #	17
12) 1,1-Dichloroethene	4.04	96	16081	2.253	ug/L #	1
13) Acetone	4.14	43	6379	7.996	ug/L	45
16) Methylene chloride	4.92	84	5093	0.706	ug/L	92
19) 1,1-Dichloroethane	6.21	63	4746	0.415	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	32166	4.261	ug/L	96
34) Benzene	8.32	78	48936	1.843	ug/L	100
35) Trichloroethene	9.10	95	56185	7.640	ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	4551	0.491	ug/L #	68
43) 4-Methyl-2-pentanone	10.21	43	4308	1.533	ug/L	94
45) trans-1,3-Dichloropropene	10.59	75	2683	0.349	ug/L	88
47) Tetrachloroethene	10.87	164	1971207	291.396	ug/L	96
59) 1,2,3-Trichloropropane	13.56	75	20488	5.619	ug/L	93

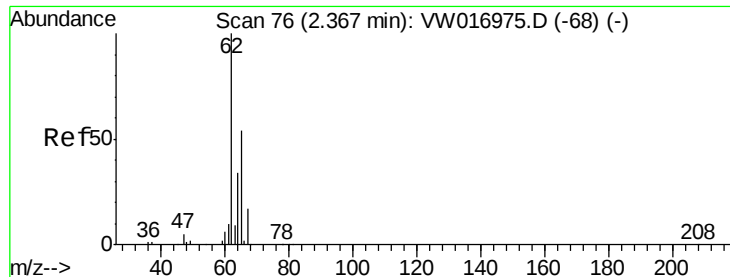
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102320\
Data File : VW016981.D
Acq On : 23 Oct 2020 14:30
Operator : SY/VA
Sample : L4502-02
Misc : 5.59G/10ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 24 00:33:33 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





#5

Vinyl chloride

Concen: 0.227 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

Instrument :

MSVOA_W

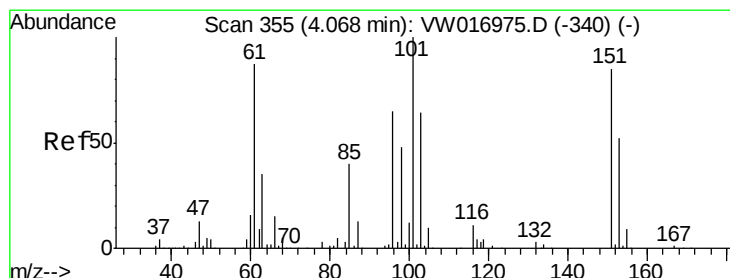
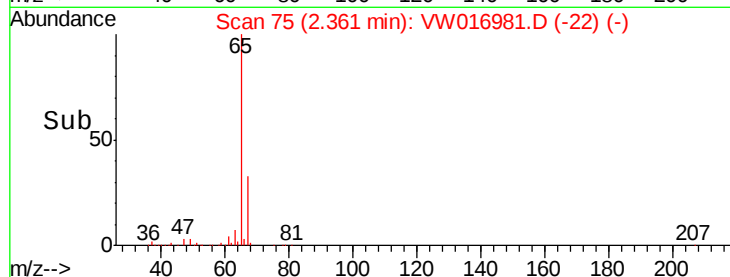
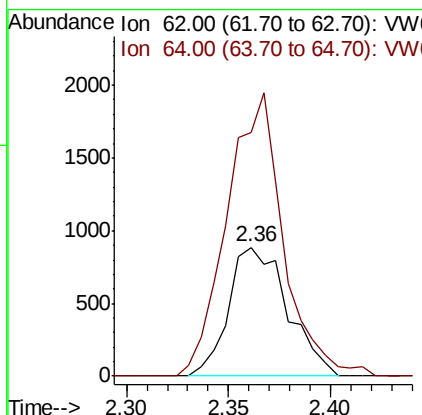
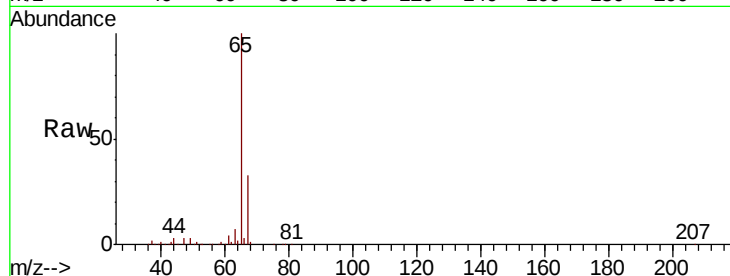
ClientSampled :

Tot Ion: 62 Resp: 1783

Ion Ratio Lower Upper

62 100

64 188.5 24.1 44.7#



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.327 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

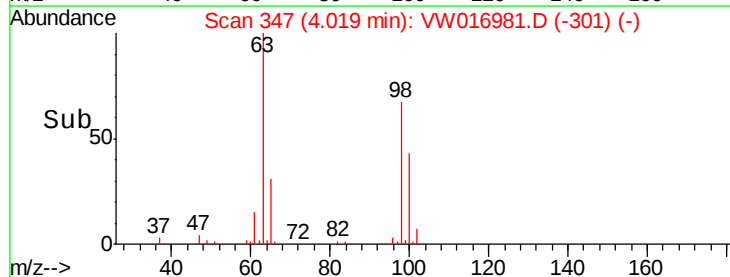
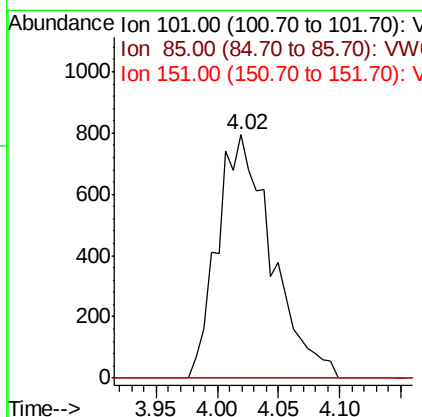
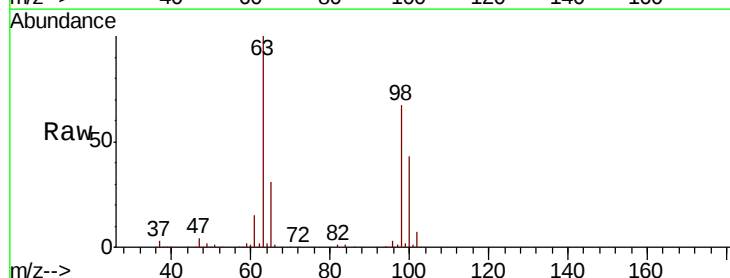
Tgt Ion: 101 Resp: 2459

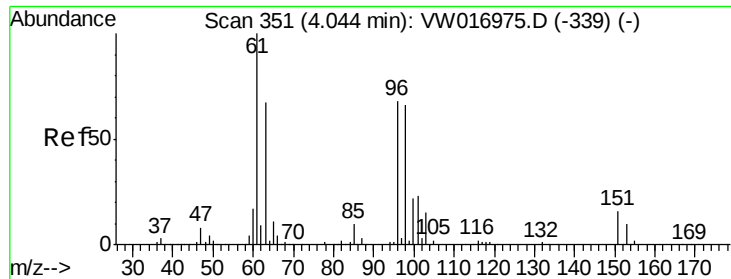
Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 2.253 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

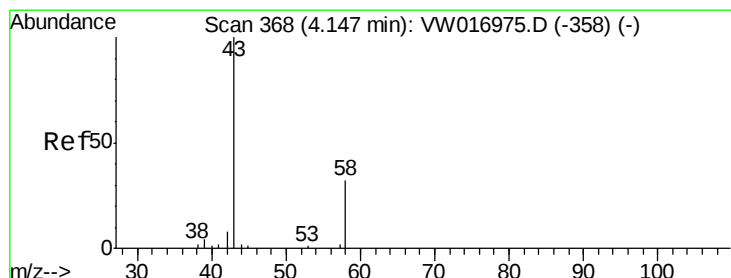
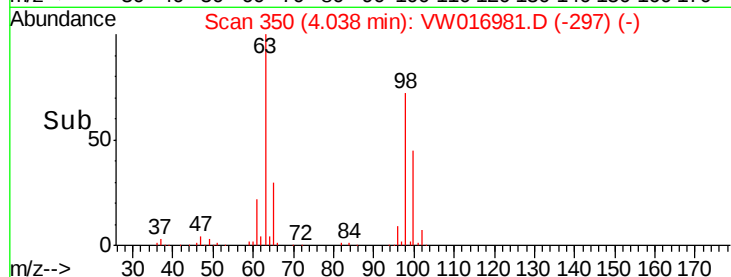
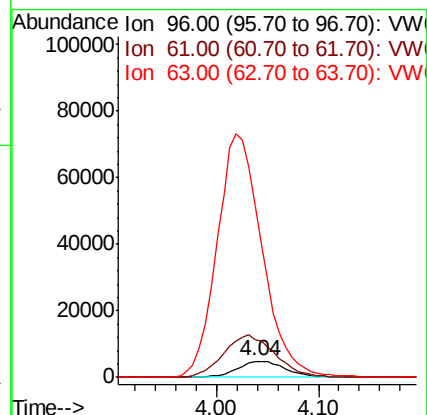
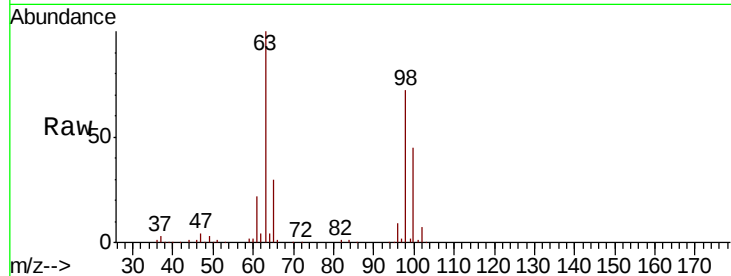
Tot Ion: 96 Resp: 16081

Ion Ratio Lower Upper

96 100

61 228.3 101.4 188.4#

63 1057.2 78.5 145.9#



#13

Acetone

Concen: 7.996 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016981.D

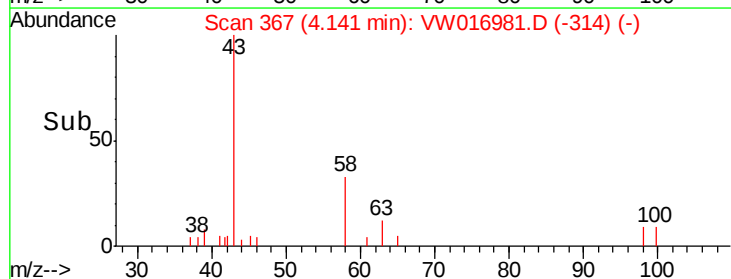
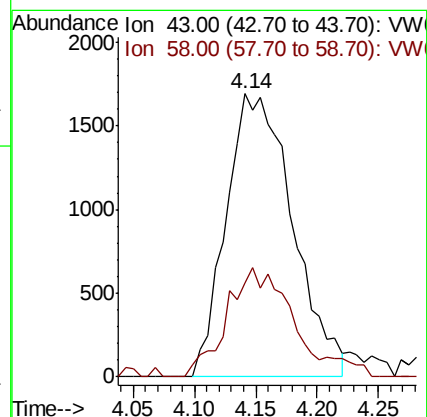
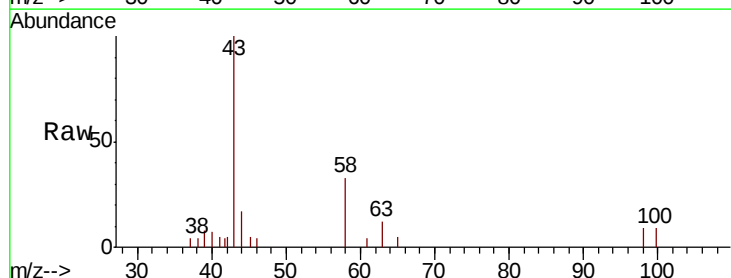
Acq: 23 Oct 2020 14:30

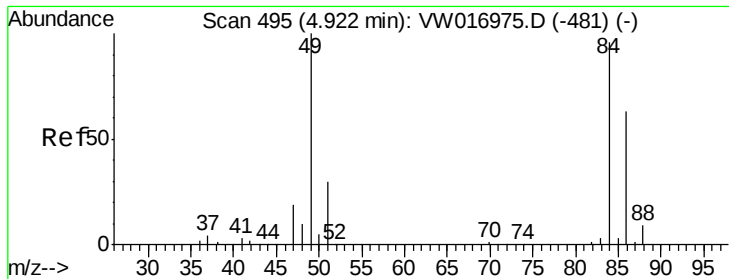
Tgt Ion: 43 Resp: 6379

Ion Ratio Lower Upper

43 100

58 2.8 0.0 69.8

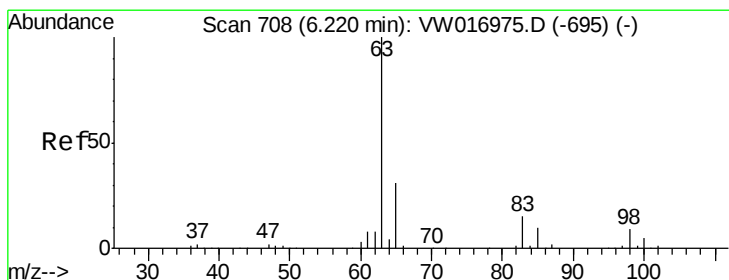
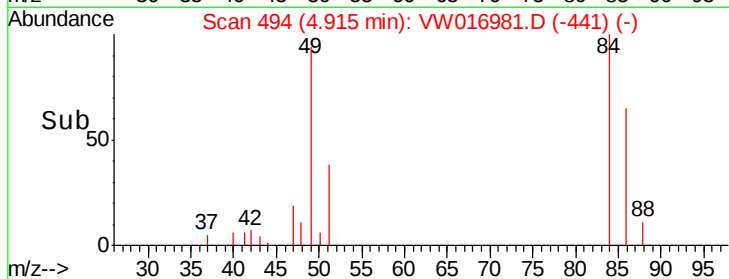
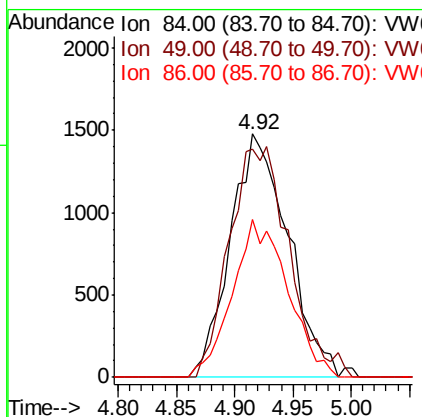
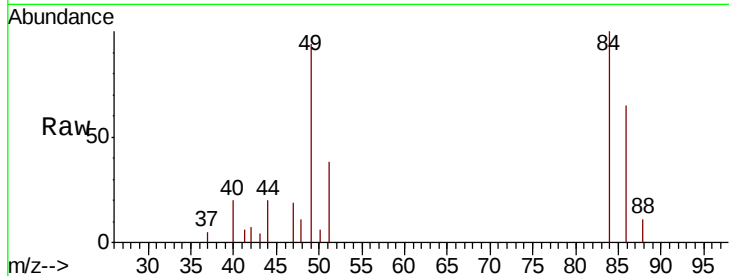




#16
Methylene chloride
Concen: 0.706 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016981.D
Acq: 23 Oct 2020 14:30

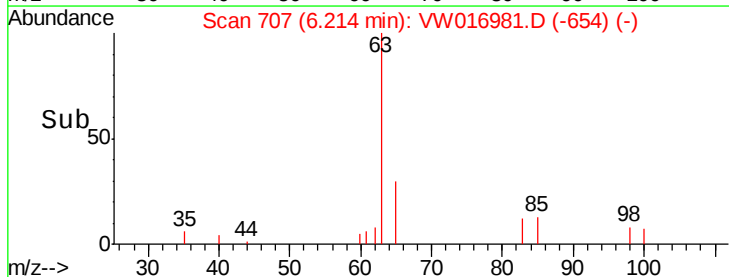
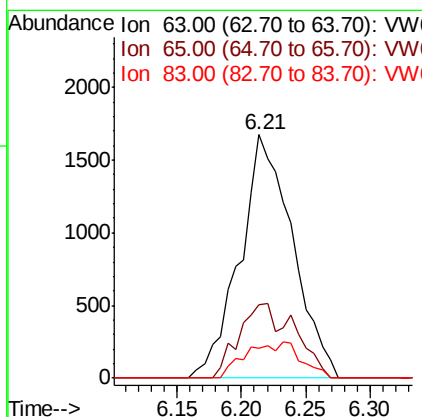
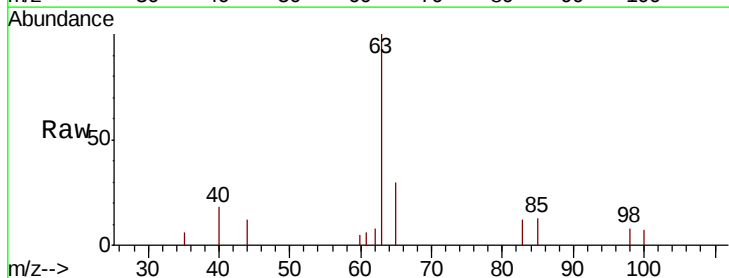
Instrument :
MSVOA_W
ClientSampleId :

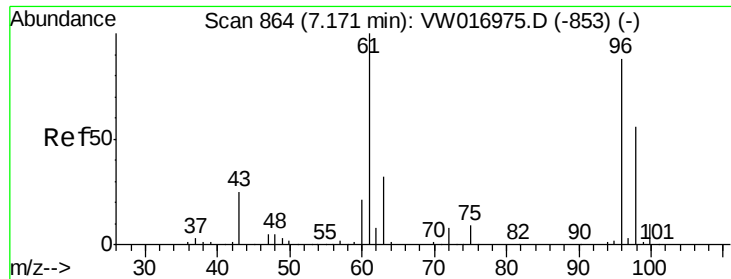
Tot Ion: 84 Resp: 5093
Ion Ratio Lower Upper
84 100
49 93.6 73.8 137.0
86 64.6 47.4 88.0



#19
1,1-Dichloroethane
Concen: 0.415 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.01 min
Lab File: VW016981.D
Acq: 23 Oct 2020 14:30

Tgt Ion: 63 Resp: 4746
Ion Ratio Lower Upper
63 100
65 29.9 22.5 41.9
83 12.1 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 4.261 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

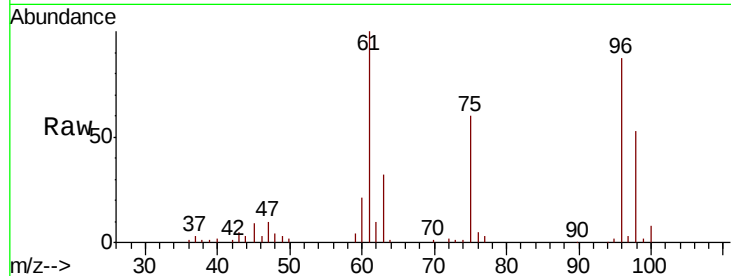
Tot Ion: 96 Resp: 32166

Ion Ratio Lower Upper

96 100

61 115.1 77.4 143.8

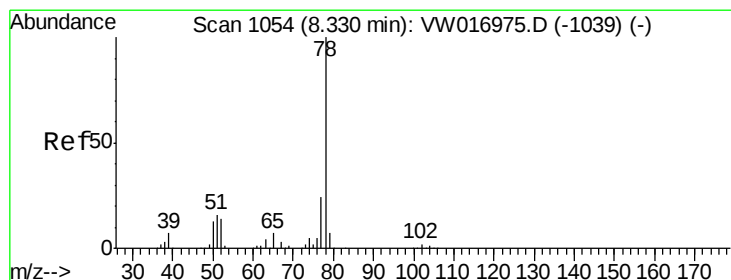
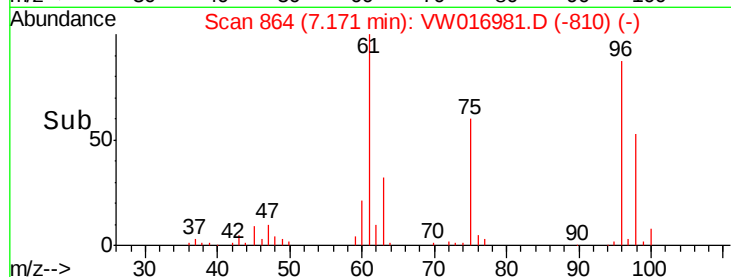
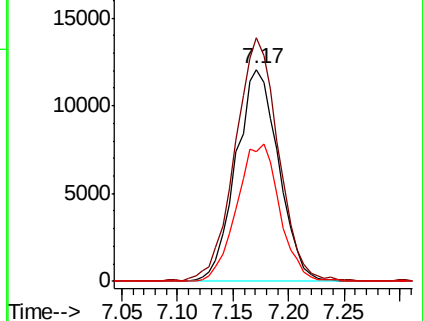
98 61.3 44.4 82.5



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: 1.843 ug/L

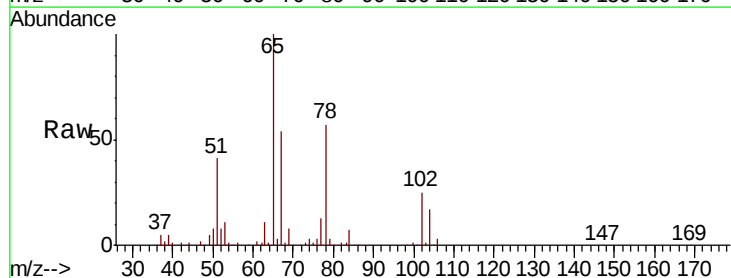
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

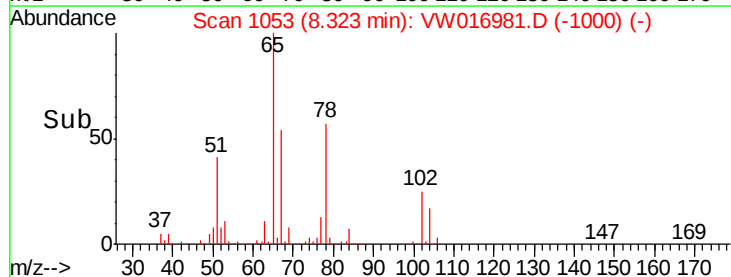
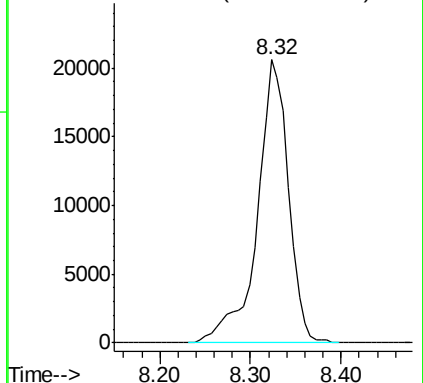
Lab File: VW016981.D

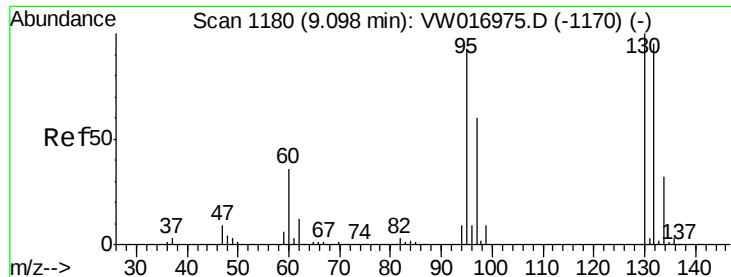
Acq: 23 Oct 2020 14:30

Tgt Ion: 78 Resp: 48936



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 7.640 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 56185

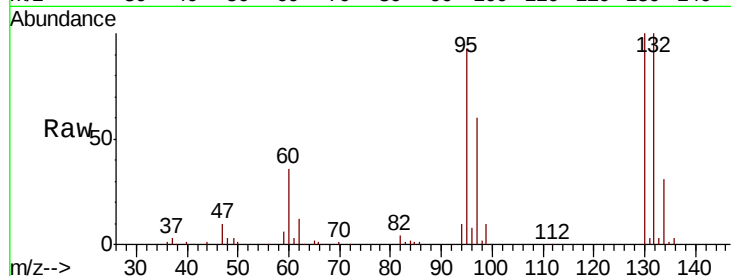
Ion Ratio Lower Upper

95 100

97 66.2 46.0 85.4

132 104.9 73.9 137.3

130 110.9 77.6 144.2

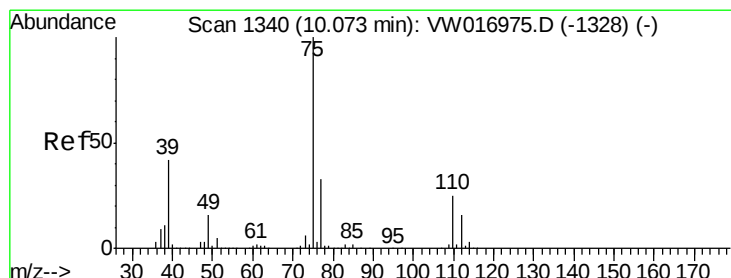
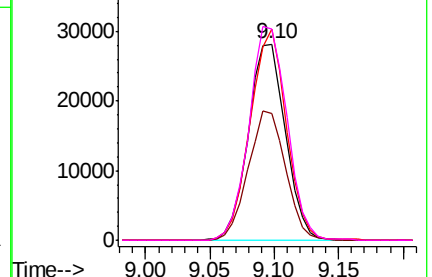
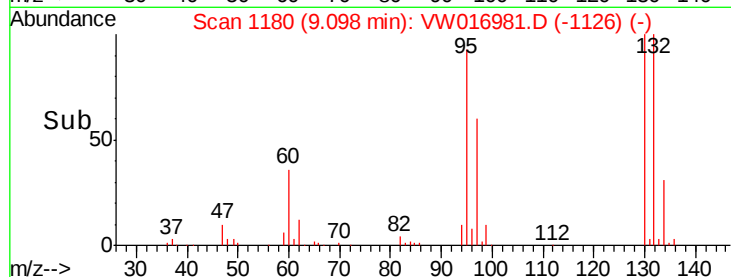


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.491 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016981.D

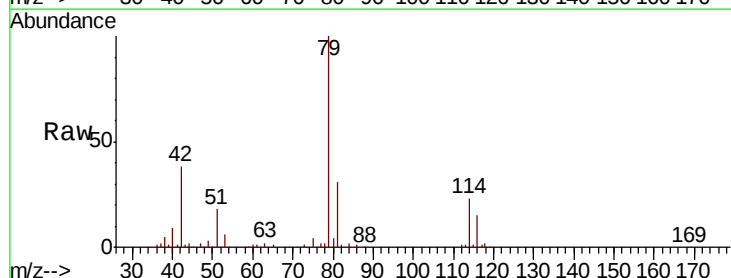
Acq: 23 Oct 2020 14:30

Tgt Ion: 75 Resp: 4551

Ion Ratio Lower Upper

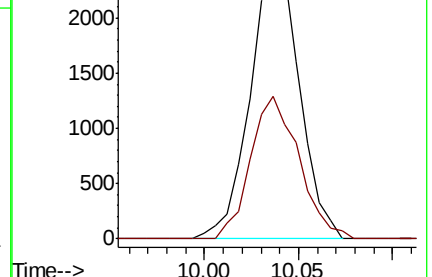
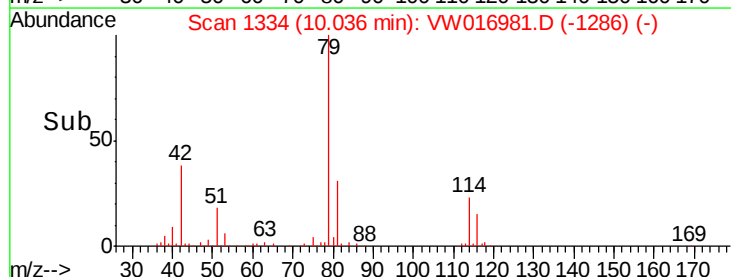
75 100

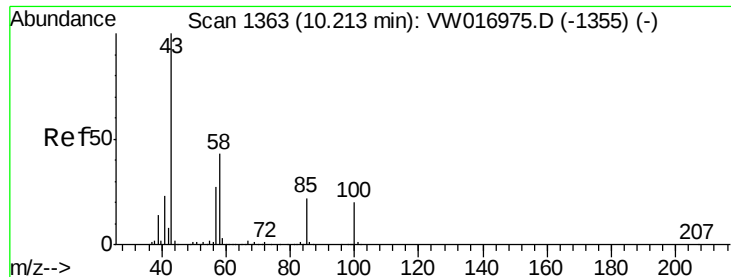
77 50.5 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

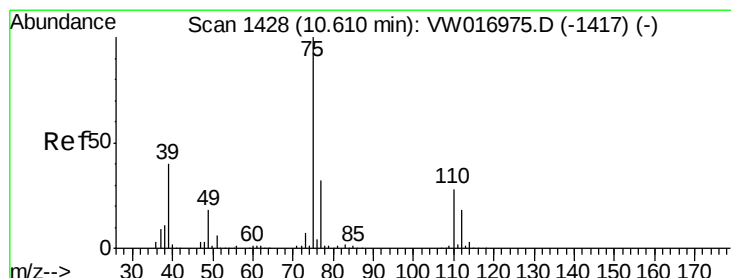
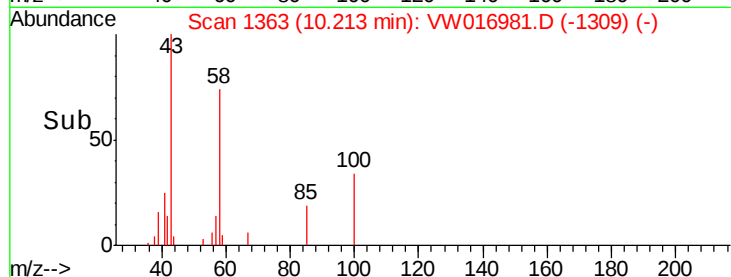
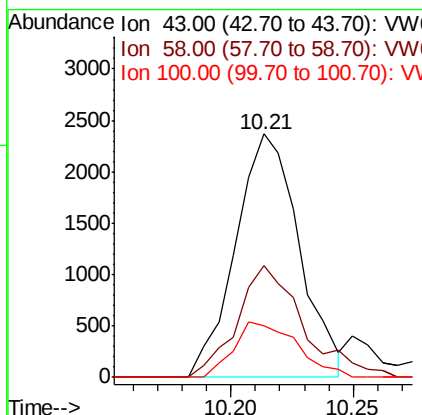
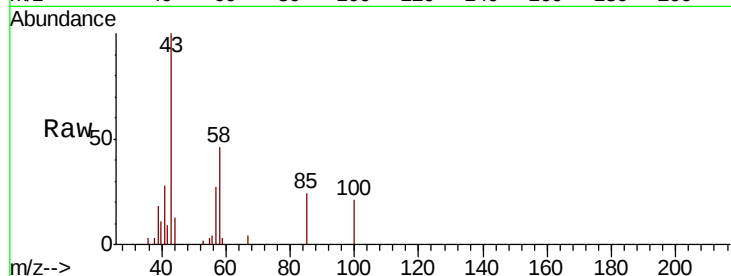




#43
4-Methyl-2-pentanone
Concen: 1.533 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016981.D
Acq: 23 Oct 2020 14:30

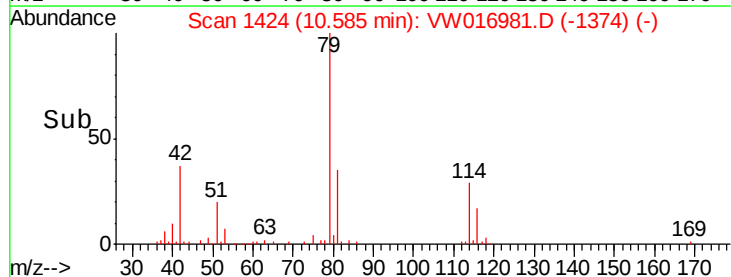
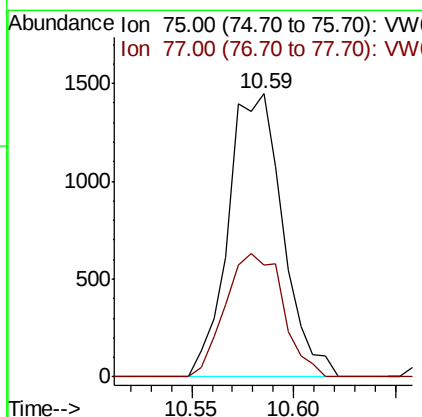
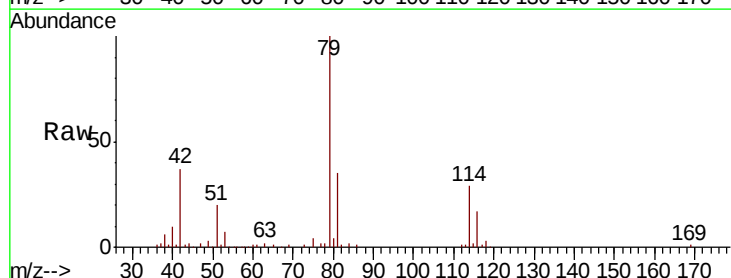
Instrument :
MSVOA_W
ClientSampled :

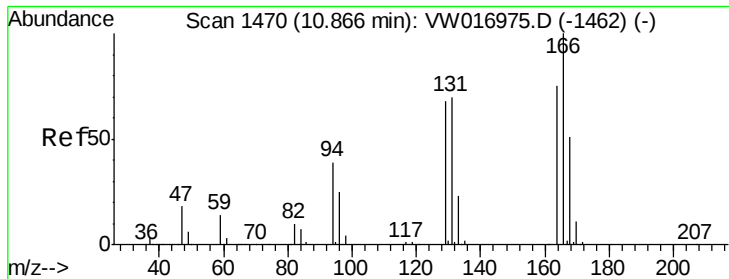
Tot Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
58 47.4 34.4 51.6
100 22.2 16.2 24.2



#45
trans-1,3-Dichloropropene
Concen: 0.349 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW016981.D
Acq: 23 Oct 2020 14:30

Tgt Ion: 75 Resp: 2683
Ion Ratio Lower Upper
75 100
77 39.5 22.7 42.3





#47

Tetrachloroethene

Concen: 291.396 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016981.D

Acq: 23 Oct 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 1971207

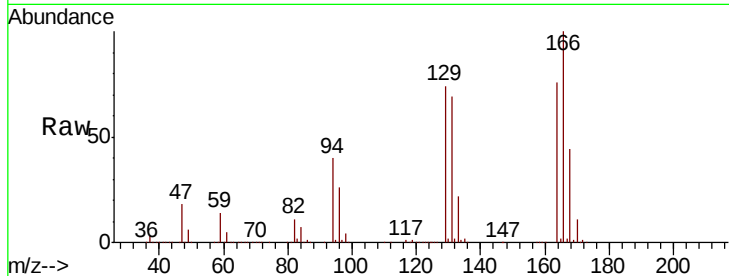
Ion Ratio Lower Upper

164 100

129 98.2 64.0 119.0

131 91.6 61.7 114.5

166 132.1 94.6 175.8

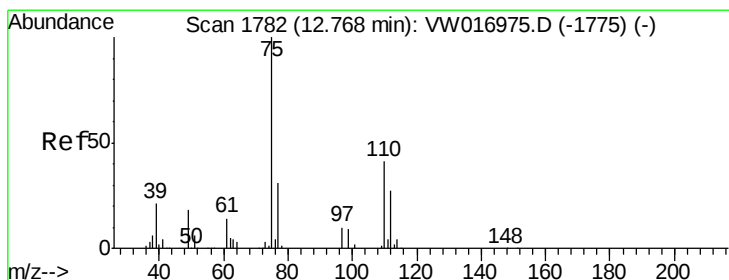
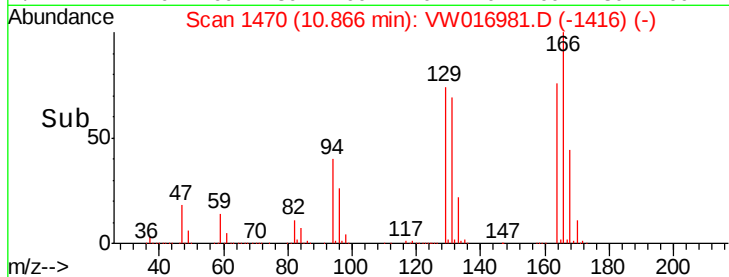
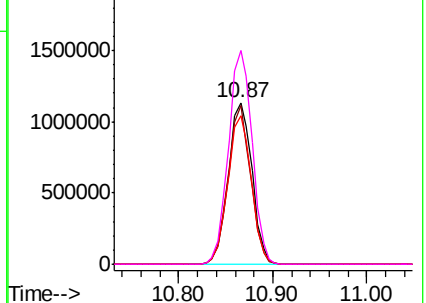


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.619 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016981.D

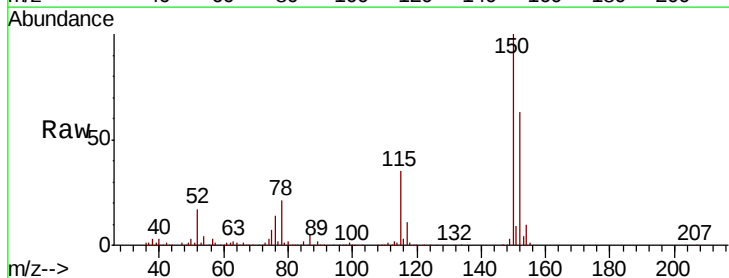
Acq: 23 Oct 2020 14:30

Tgt Ion: 75 Resp: 20488

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

