

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082720\
 Data File : VW016382.D
 Acq On : 27 Aug 2020 10:58
 Operator : SY/VA
 Sample : L3800-07
 Misc : 6.75G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3J0

Quant Time: Aug 28 08:10:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 08:08:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	7681	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	4435	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	638	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	2205	26.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.56%
7) Chloroethane-d5	2.89	69	2240	35.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	143.92%
10) 1,1-Dichloroethene-d2	4.04	63	2250	11.55	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.20%
20) 2-Butanone-d5	7.09	46	338	14.49	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	28.98%
24) Chloroform-d	7.65	84	4907	24.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	8.32	65	2315	22.43	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.72%
29) Benzene-d6	8.28	84	9312	37.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	150.44%#
33) 1,2-Dichloropropane-d6	9.28	67	2451	35.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	143.08%#
37) Toluene-d8	10.33	98	6879	29.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.80%
38) trans-1,3-Dichloropropene-	10.59	79	542	16.39	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.56%
39) 2-Hexanone-d5	10.94	63	103	9.38	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	18.76%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1142	20.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	511	20.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.56%

Target Compounds

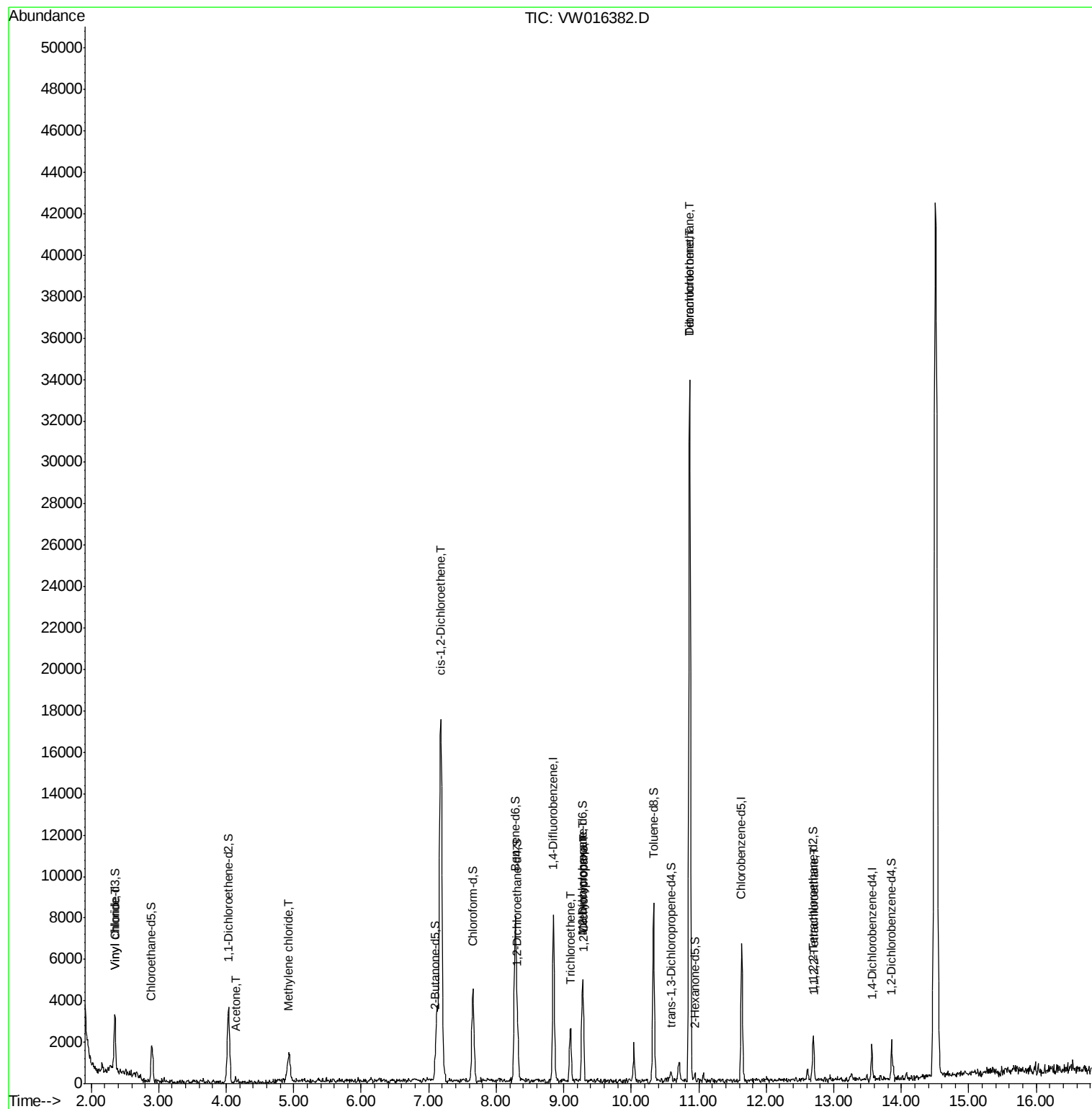
					Ovalue
5) Vinyl chloride	2.36	62	492	5.482	ug/L # 71
13) Acetone	4.14	43	167	8.628	ug/L # 43
16) Methylene chloride	4.92	84	441	3.106	ug/L 90
22) cis-1,2-Dichloroethene	7.17	96	6340	56.280	ug/L 89
35) Trichloroethene	9.10	95	1070	14.855	ug/L 92
36) Methylcyclohexane	9.28	83	609	5.179	ug/L # 20
40) 1,2-Dichloropropane	9.29	63	49	0.819	ug/L # 84
47) Tetrachloroethene	10.87	164	8470	149.124	ug/L 93
50) Dibromochloromethane	10.87	129	8185	133.093	ug/L # 11
58) 1,1,2,2-Tetrachloroethane	12.71	83	48	0.833	ug/L # 25

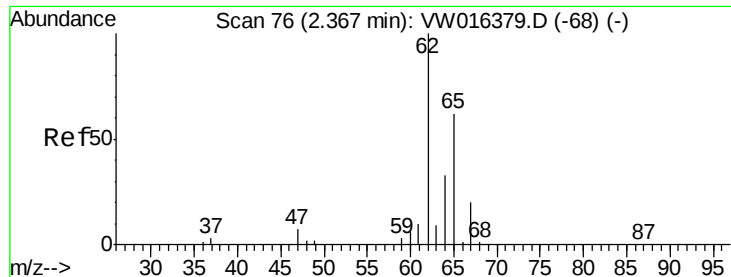
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 28 08:08:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.482 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW016382.D

Acq: 27 Aug 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

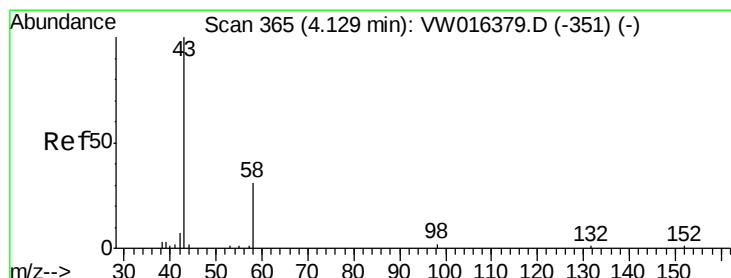
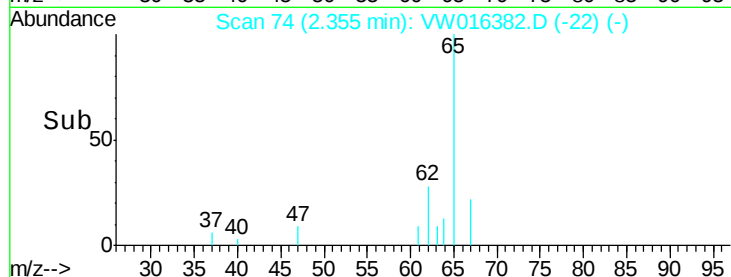
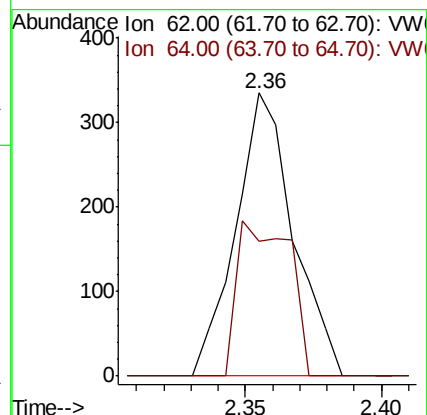
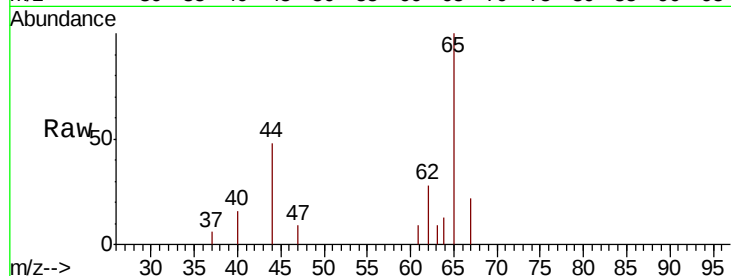
BG3J0

Tot Ion: 62 Resp: 492

Ion Ratio Lower Upper

62 100

64 47.5 22.0 41.0#



#13

Acetone

Concen: 8.628 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016382.D

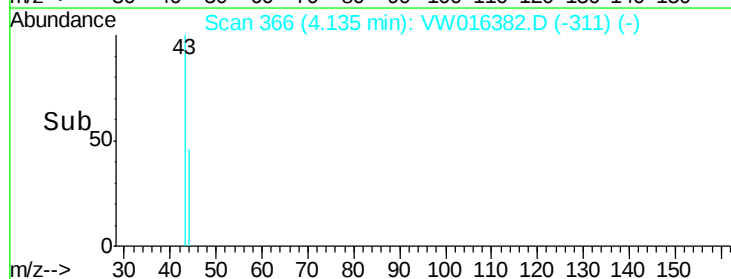
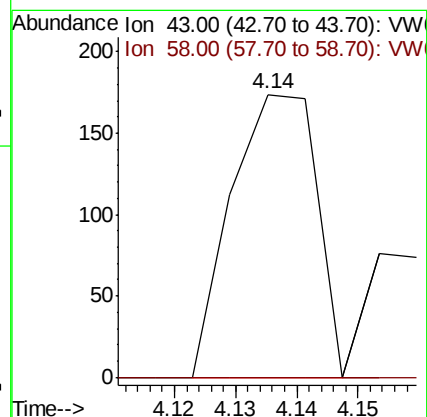
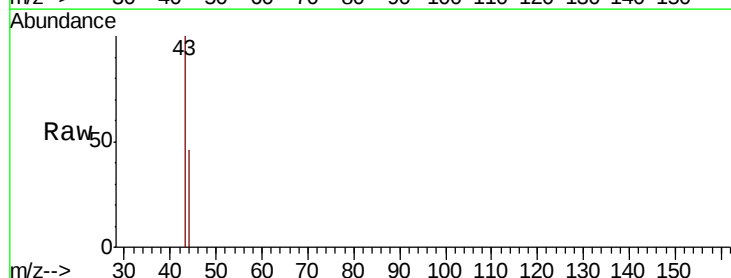
Acq: 27 Aug 2020 10:58

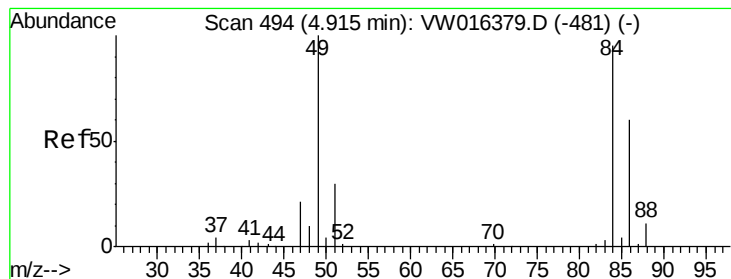
Tgt Ion: 43 Resp: 167

Ion Ratio Lower Upper

43 100

58 0.0 0.0 63.8





#16

Methylene chloride

Concen: 3.106 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016382.D

Acq: 27 Aug 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

BG3J0

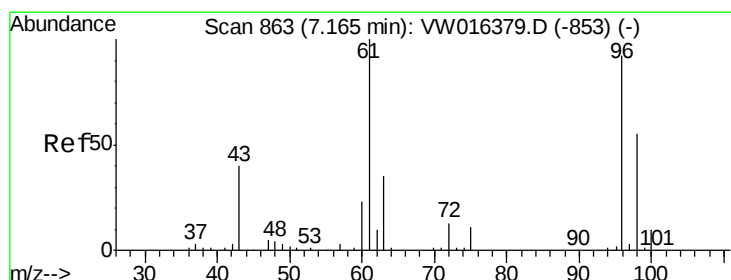
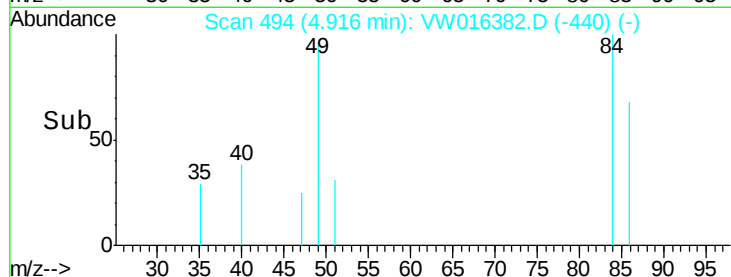
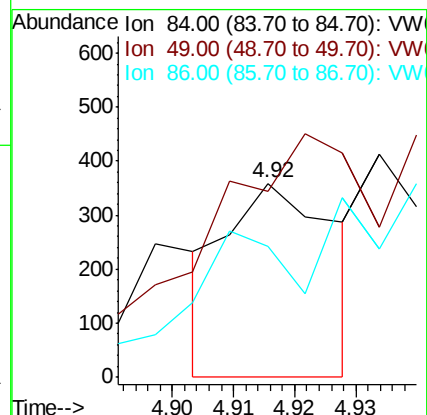
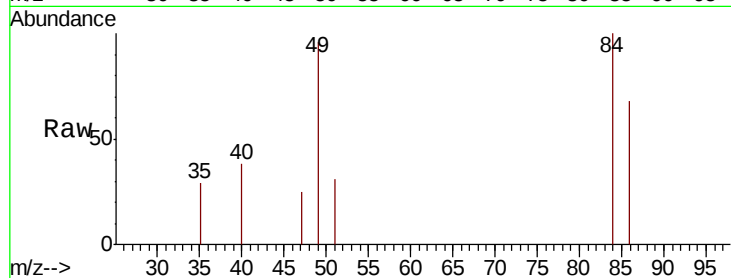
Tot Ion: 84 Resp: 441

Ion Ratio Lower Upper

84 100

49 95.8 75.3 139.9

86 67.7 43.3 80.3



#22

cis-1,2-Dichloroethene

Concen: 56.280 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016382.D

Acq: 27 Aug 2020 10:58

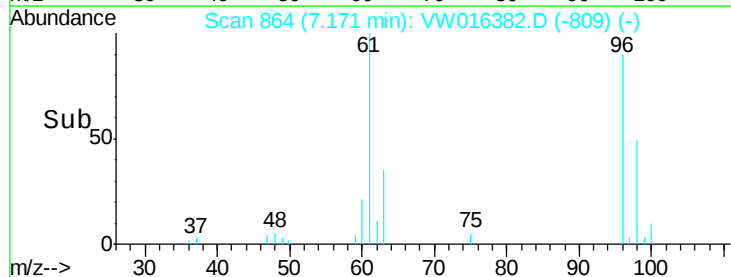
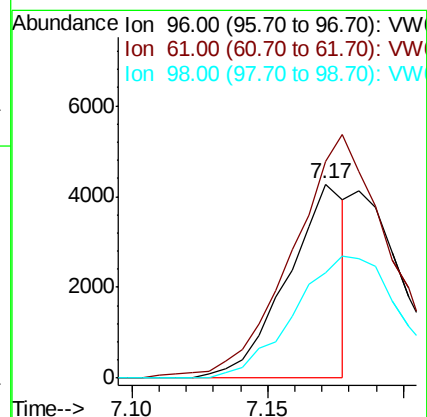
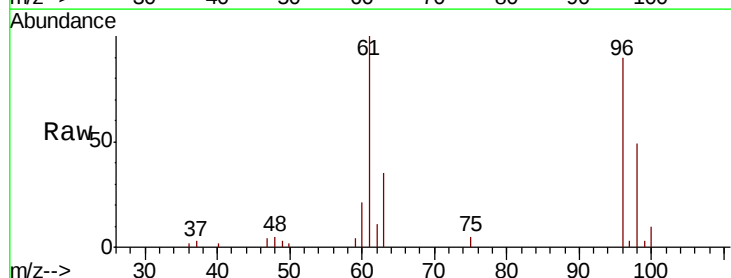
Tgt Ion: 96 Resp: 6340

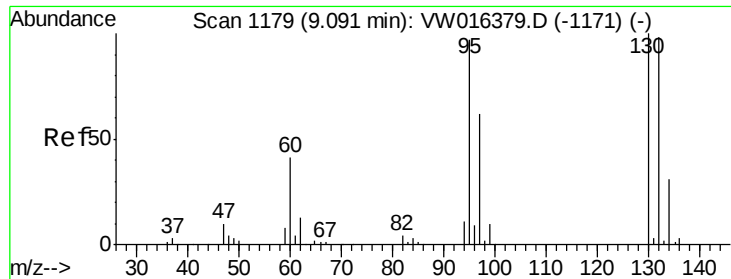
Ion Ratio Lower Upper

96 100

61 111.7 84.9 157.7

98 54.5 46.8 86.8





#35

Trichloroethene

Concen: 14.855 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016382.D

Acq: 27 Aug 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

BG3J0

Tot Ion: 95 Resp: 1070

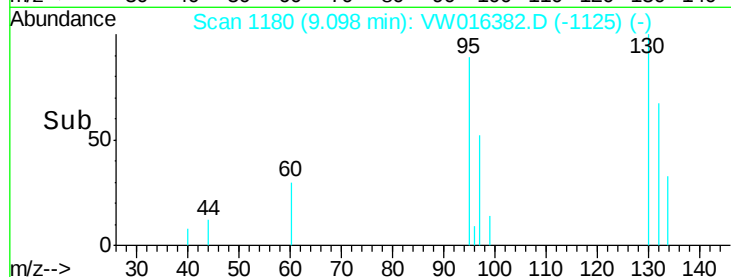
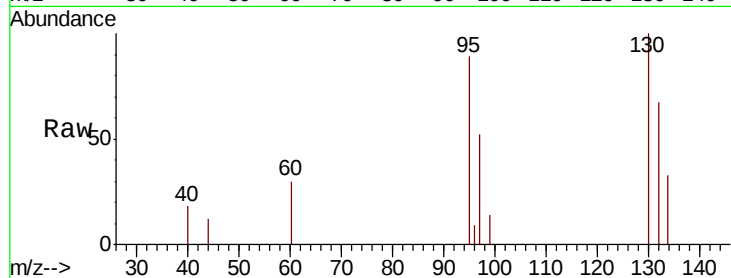
Ion Ratio Lower Upper

95 100

97 61.9 44.9 83.5

132 88.5 68.2 126.6

130 91.8 71.5 132.9

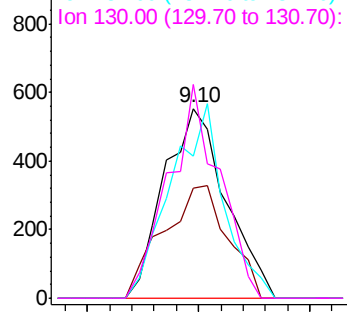


Abundance Ion 95.00 (94.70 to 95.70): VW

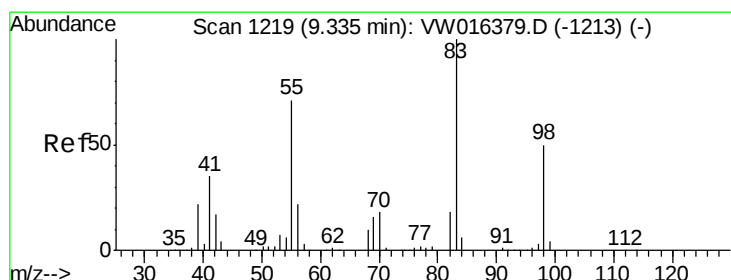
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



Time-->



#36

Methylcyclohexane

Concen: 5.179 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW016382.D

Acq: 27 Aug 2020 10:58

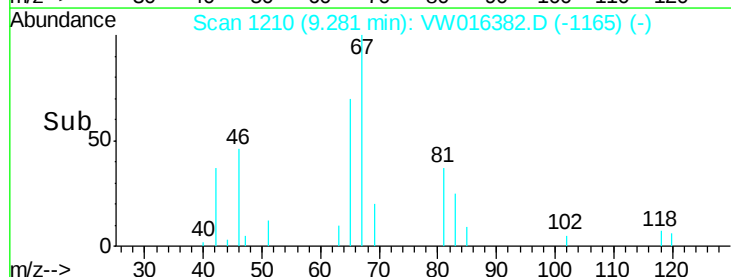
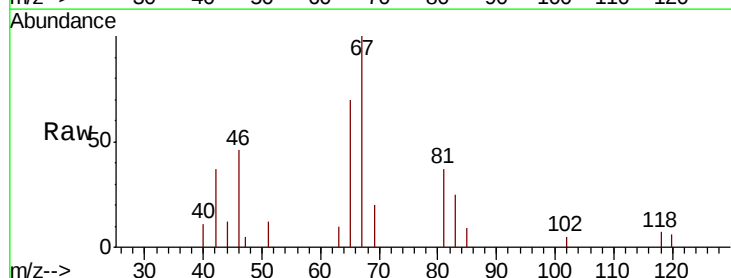
Tgt Ion: 83 Resp: 609

Ion Ratio Lower Upper

83 100

55 0.0 55.6 83.4#

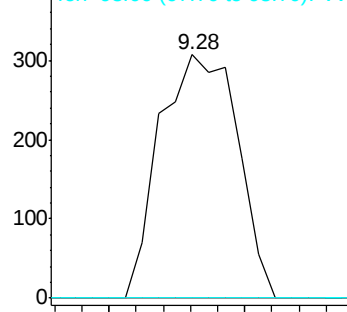
98 0.0 40.6 61.0#



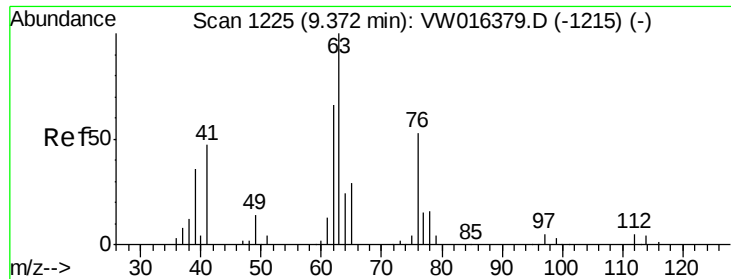
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



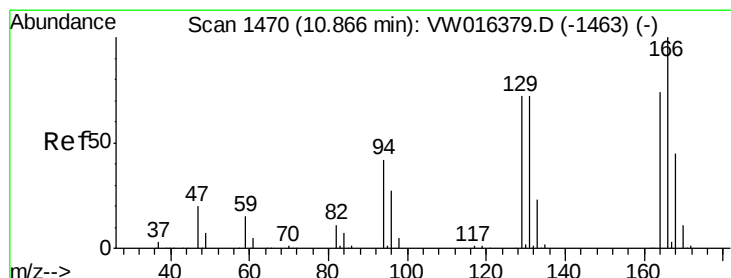
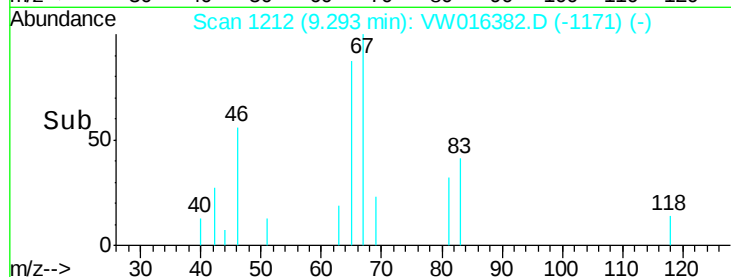
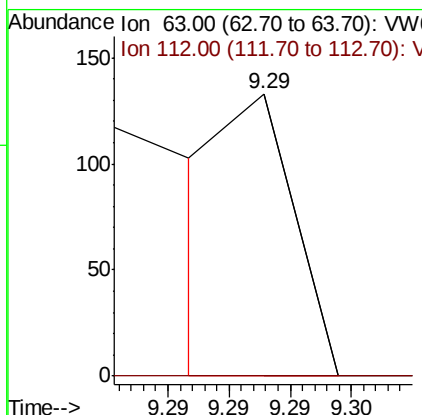
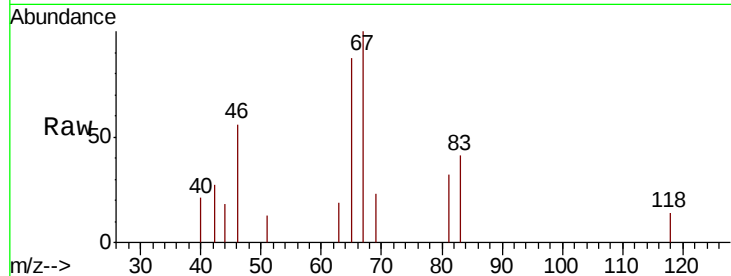
Time-->



#40
 1,2-Dichloropropane
 Concen: 0.819 ug/L
 RT: 9.29 min Scan# 1212
 Delta R.T. -0.08 min
 Lab File: VW016382.D
 Acq: 27 Aug 2020 10:58

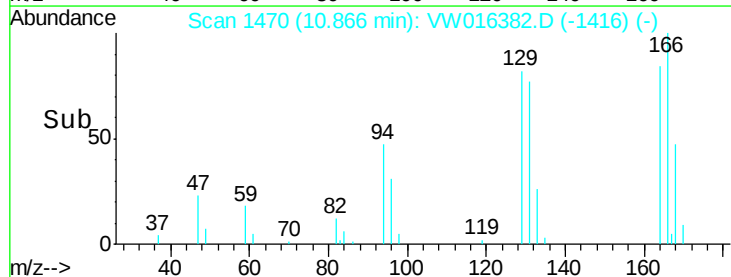
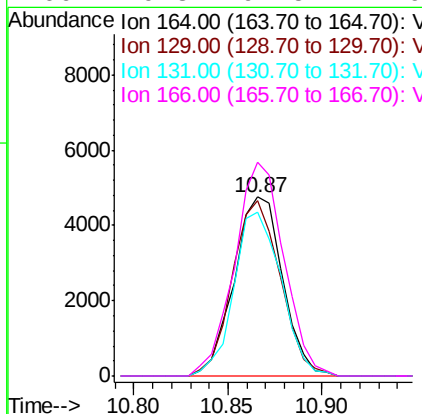
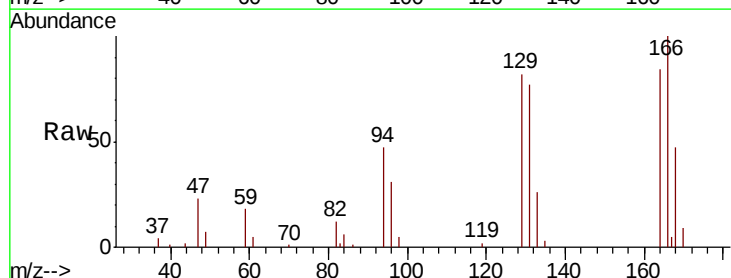
Instrument :
 MSVOA_W
 ClientSampled :
 BG3J0

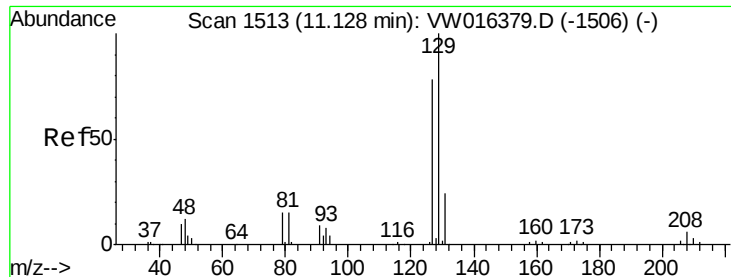
Tot Ion: 63 Resp: 49
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#47
 Tetrachloroethene
 Concen: 149.124 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016382.D
 Acq: 27 Aug 2020 10:58

Tgt Ion: 164 Resp: 8470
 Ion Ratio Lower Upper
 164 100
 129 97.8 71.5 132.7
 131 91.4 67.4 125.2
 166 119.3 92.5 171.9

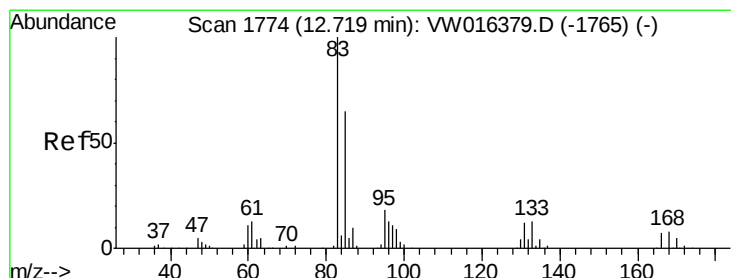
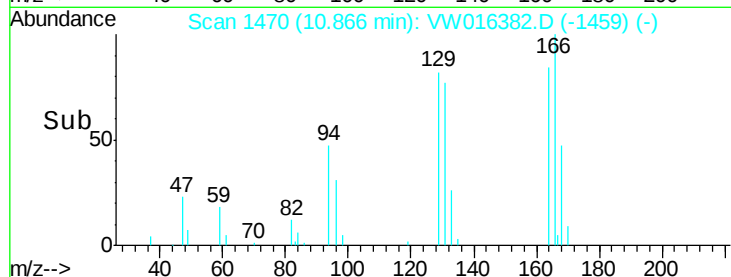
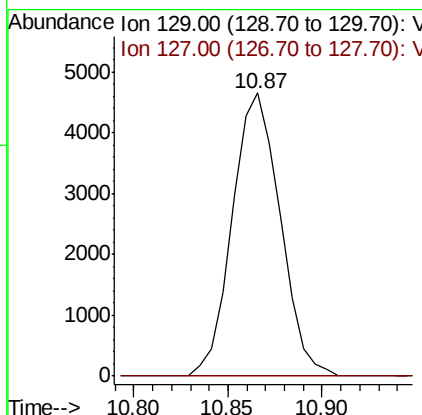
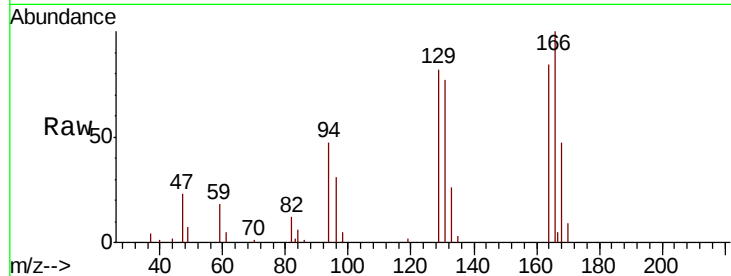




#50
 Dibromochloromethane
 Concen: 133.093 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW016382.D
 Acq: 27 Aug 2020 10:58

Instrument :
 MSVOA_W
 ClientSampled :
 BG3J0

Tot Ion:129 Resp: 8185
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 99.8#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.833 ug/L
 RT: 12.71 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: VW016382.D
 Acq: 27 Aug 2020 10:58

Tgt Ion: 83 Resp: 48
 Ion Ratio Lower Upper
 83 100
 85 0.0 46.0 85.4#
 131 0.0 8.8 13.2#

