

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016330.D
 Acq On : 24 Aug 2020 15:06
 Operator : SY/VA
 Sample : 13782-05
 Misc : 5.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK2

Quant Time: Aug 24 15:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 24 15:19:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	11585	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	9128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	1096	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	2664	21.54	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.16%
7) Chloroethane-d5	2.90	69	2712	28.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.52%
10) 1,1-Dichloroethene-d2	4.03	63	4506	15.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.36%
20) 2-Butanone-d5	7.10	46	841	23.91	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	47.82%
24) Chloroform-d	7.65	84	7320	24.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	8.31	65	3219	20.68	ug/L	0.00
29) Benzene-d6	8.28	84	12375	24.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.12%
33) 1,2-Dichloropropane-d6	9.28	67	3643	25.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.32%
37) Toluene-d8	10.33	98	9180	19.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.36%
38) trans-1,3-Dichloropropene-	10.59	79	1054	15.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.96%
39) 2-Hexanone-d5	10.93	63	447	19.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	39.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	2368	20.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	1270	30.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	120.88%#

Target Compounds

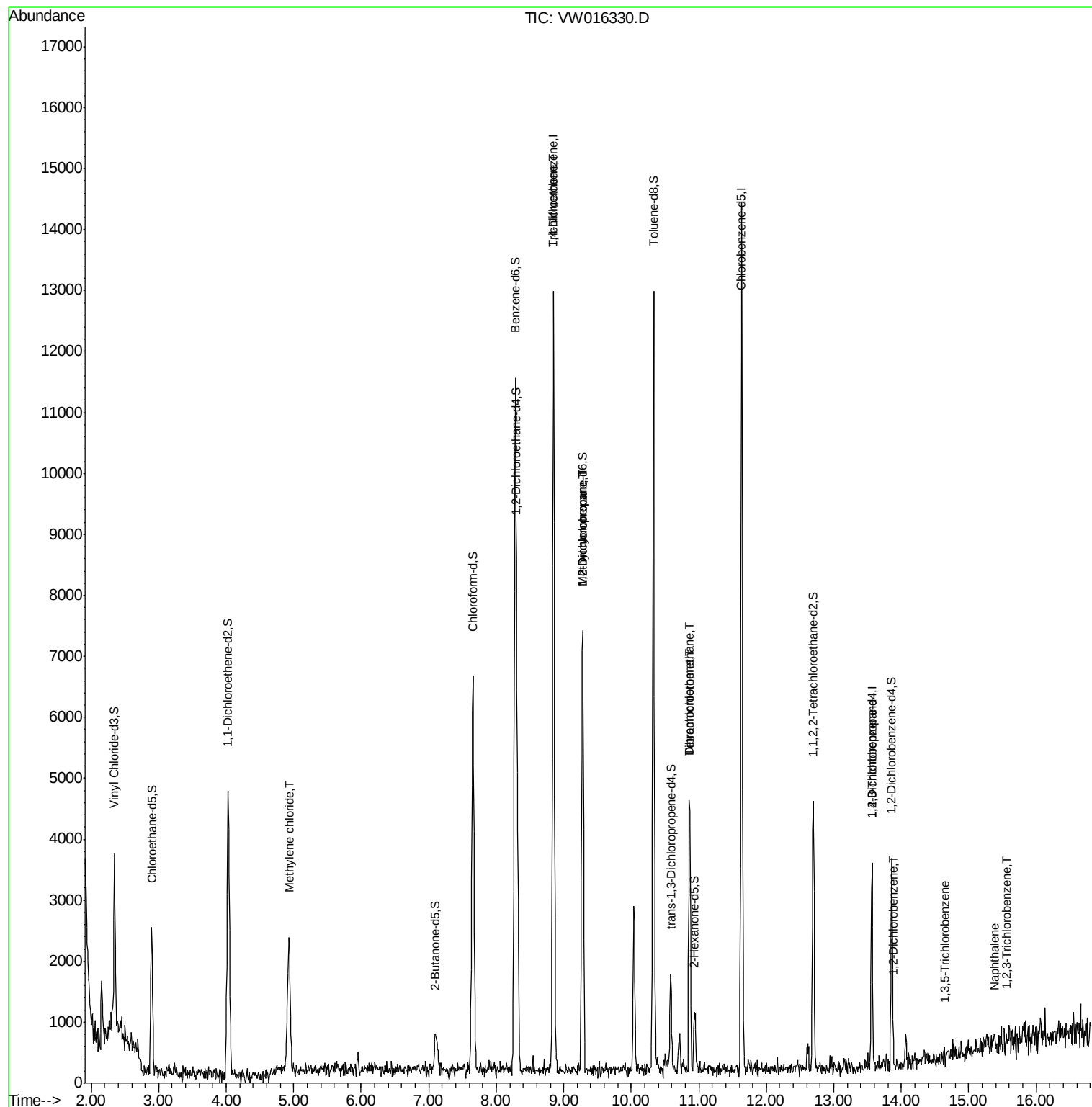
					Qvalue
16) Methylene chloride	4.93	84	903	4.216 ug/L	79
35) Trichloroethene	8.85	95	339	2.287 ug/L #	4
36) Methylcyclohexane	9.29	83	856	3.537 ug/L #	20
40) 1,2-Dichloropropane	9.28	63	397	3.224 ug/L #	84
47) Tetrachloroethene	10.86	164	1022	8.742 ug/L	92
50) Dibromochloromethane	10.87	129	1151	9.093 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	104	1.184 ug/L #	41
65) 1,2-Dichlorobenzene	13.88	146	48	0.728 ug/L #	23
67) 1,3,5-Trichlorobenzene	14.63	180	81	1.589 ug/L #	18
69) Naphthalene	15.38	128	121	1.522 ug/L #	69
70) 1,2,3-Trichlorobenzene	15.57	180	52	1.461 ug/L #	75

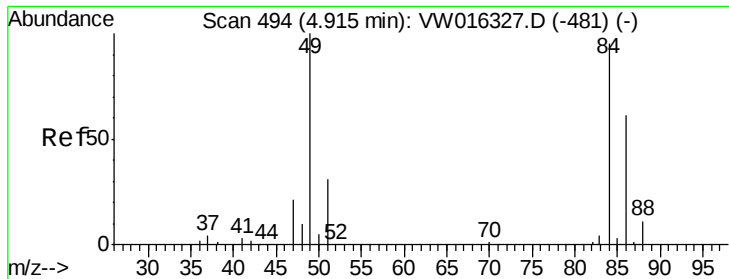
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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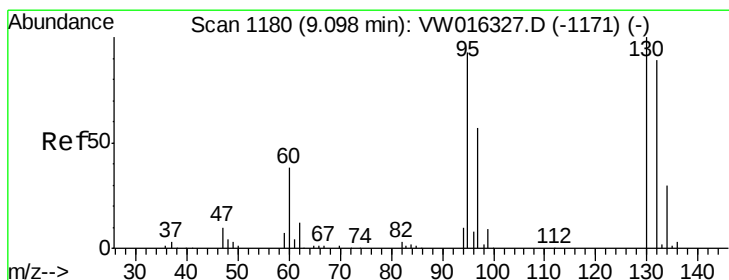
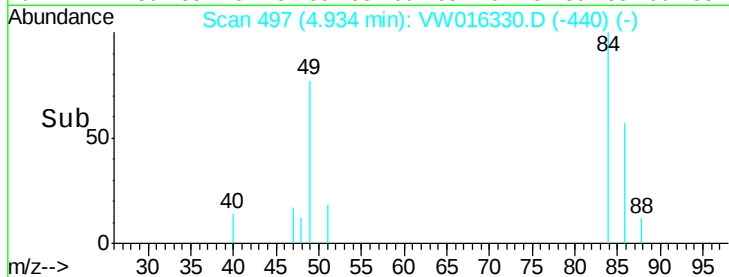
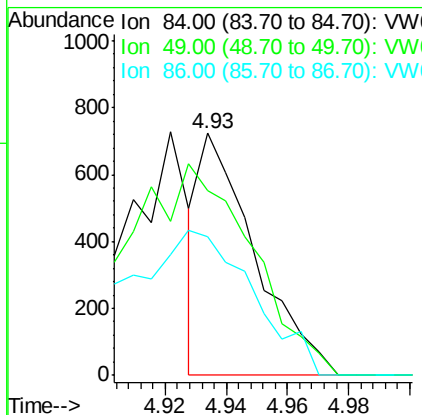
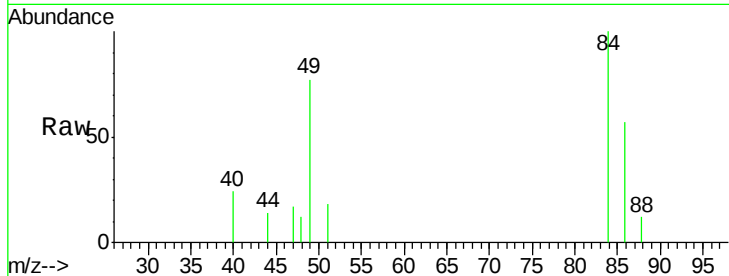




#16
Methylene chloride
Concen: 4.216 ug/L
RT: 4.93 min Scan# 497
Delta R.T. 0.02 min
Lab File: VW016330.D
Acq: 24 Aug 2020 15:06

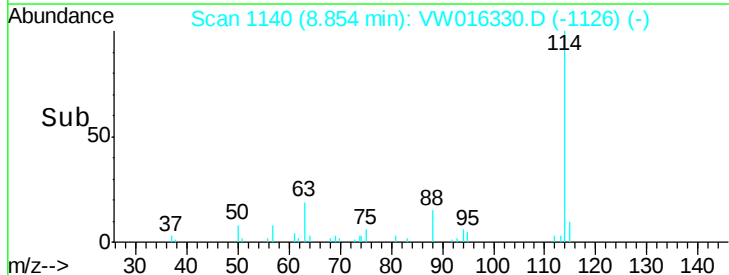
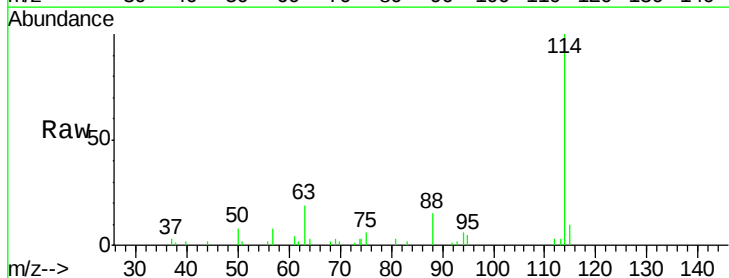
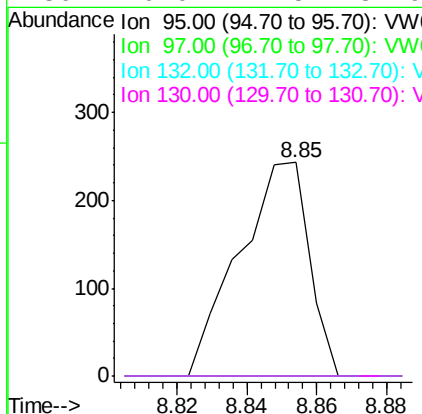
Instrument :
MSVOA_W
ClientSampled :
BFSK2

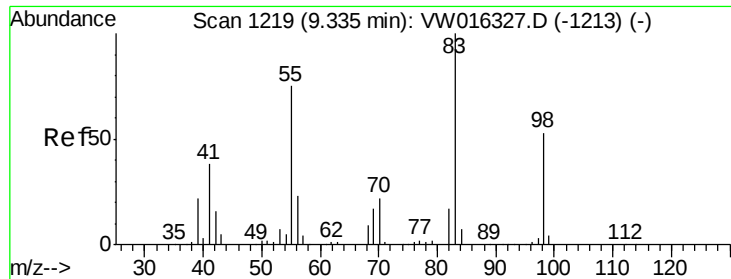
Tgt Ion: 84 Resp: 903
Ion Ratio Lower Upper
84 100
49 76.6 75.3 139.9
86 57.1 43.3 80.3



#35
Trichloroethene
Concen: 2.287 ug/L
RT: 8.85 min Scan# 1140
Delta R.T. -0.24 min
Lab File: VW016330.D
Acq: 24 Aug 2020 15:06

Tgt Ion: 95 Resp: 339
Ion Ratio Lower Upper
95 100
97 0.0 44.9 83.5#
132 0.0 68.2 126.6#
130 0.0 71.5 132.9#

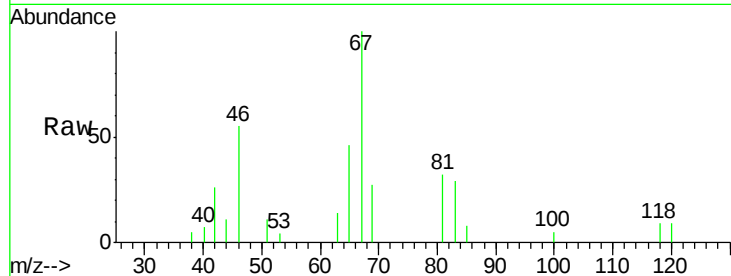




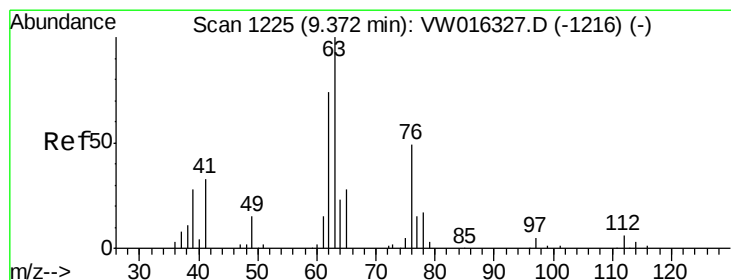
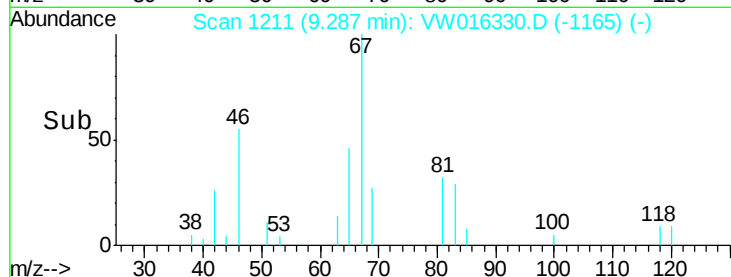
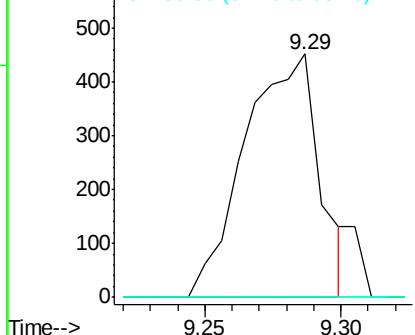
#36
Methylcyclohexane
Concen: 3.537 ug/L
RT: 9.29 min Scan# 1211
Delta R.T. -0.05 min
Lab File: VW016330.D
Acq: 24 Aug 2020 15:06

Instrument :
MSVOA_W
ClientSampled :
BFSK2

Tgt Ion: 83 Resp: 856
Ion Ratio Lower Upper
83 100
55 0.0 55.6 83.4#
98 0.0 40.6 61.0#

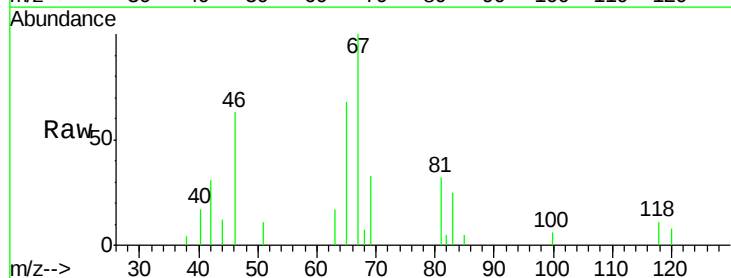


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

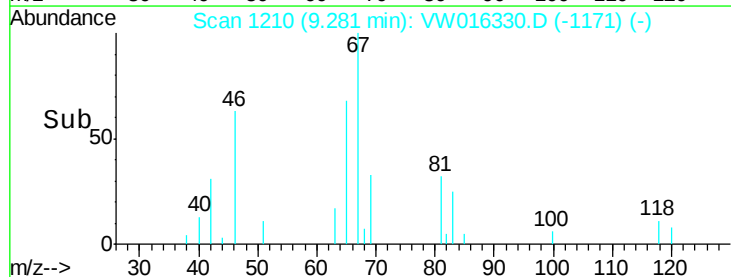
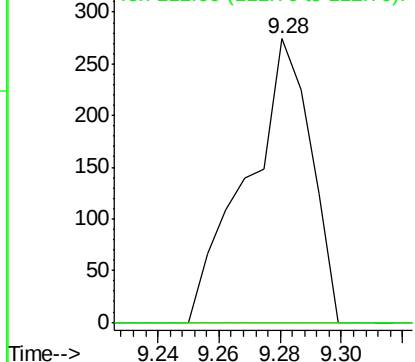


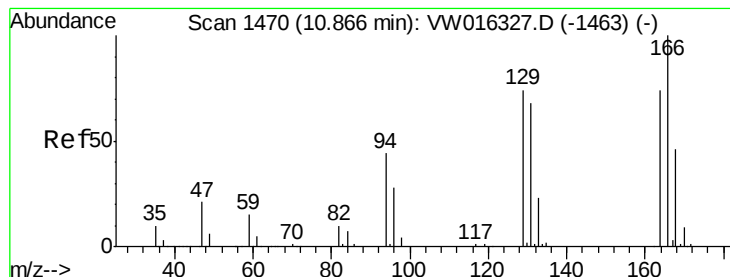
#40
1,2-Dichloropropane
Concen: 3.224 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW016330.D
Acq: 24 Aug 2020 15:06

Tgt Ion: 63 Resp: 397
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#47

Tetrachloroethene

Concen: 8.742 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016330.D

Acq: 24 Aug 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

BFSK2

Tgt Ion:164 Resp: 1022

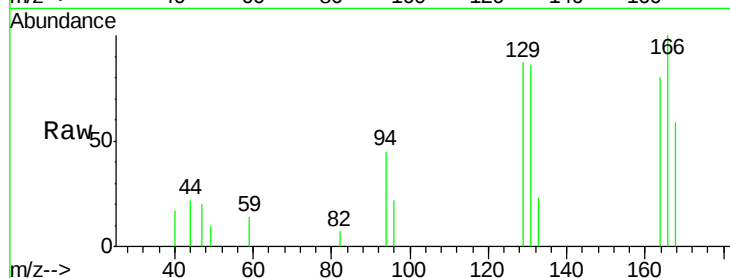
Ion Ratio Lower Upper

164 100

129 108.9 71.5 132.7

131 107.0 67.4 125.2

166 124.5 92.5 171.9

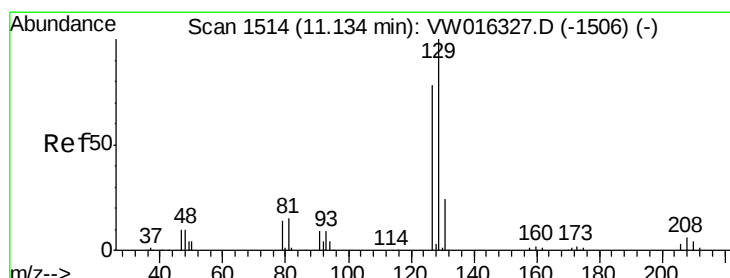
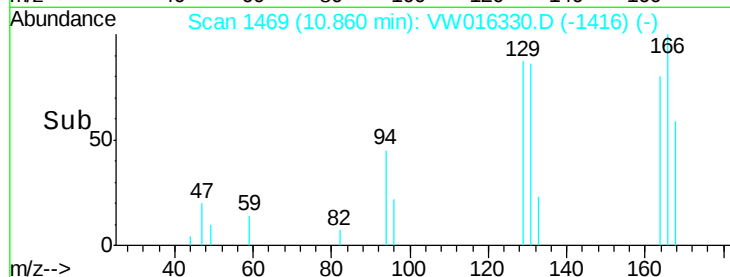
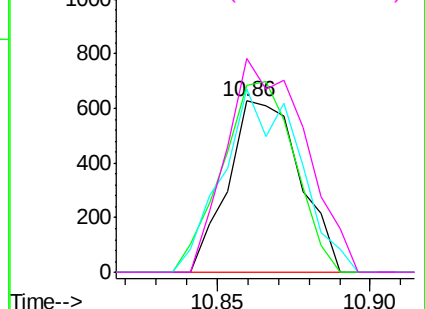


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 9.093 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016330.D

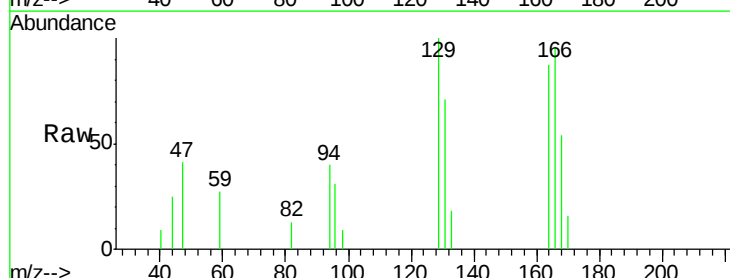
Acq: 24 Aug 2020 15:06

Tgt Ion:129 Resp: 1151

Ion Ratio Lower Upper

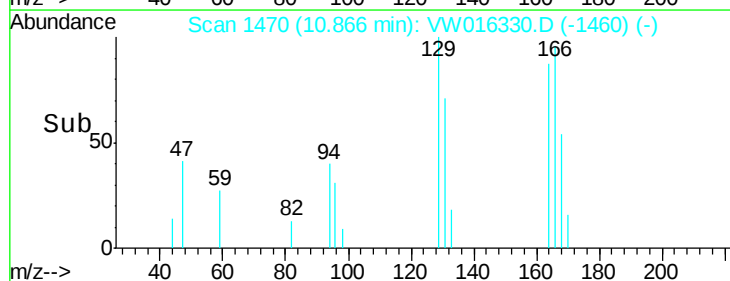
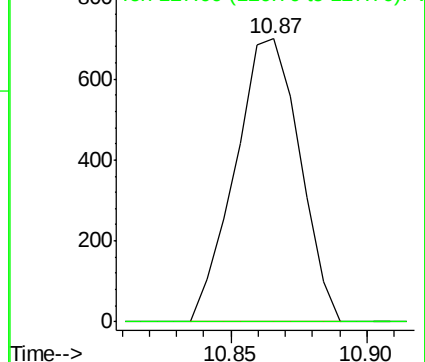
129 100

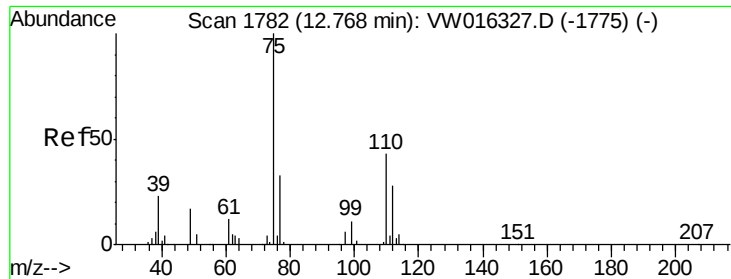
127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

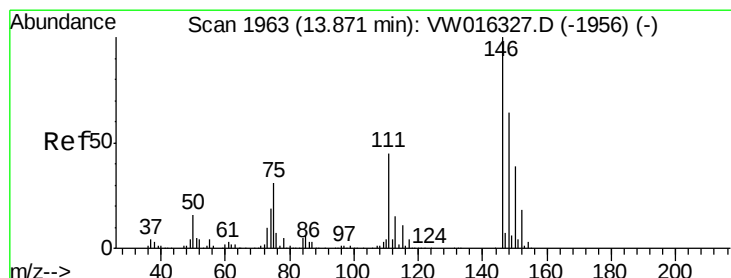
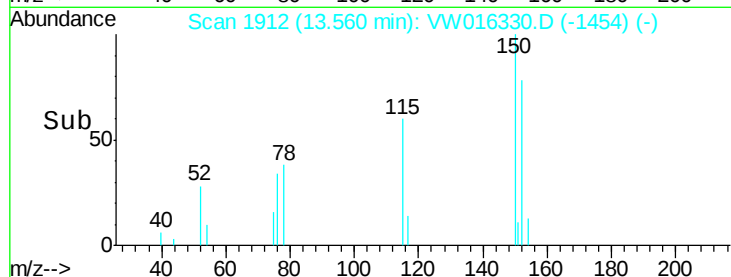
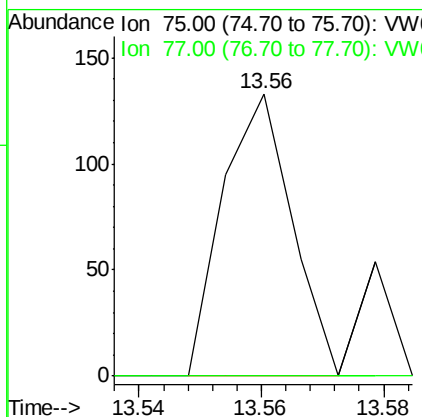
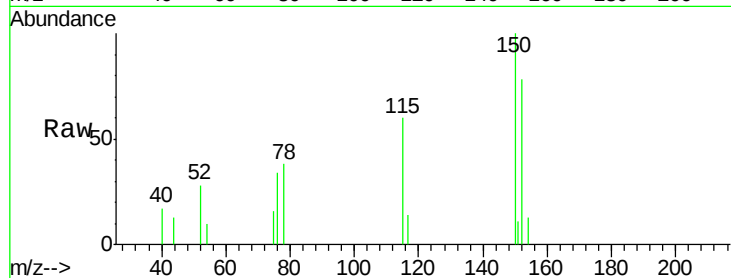




#59
 1,2,3-Trichloropropane
 Concen: 1.184 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW016330.D
 Acq: 24 Aug 2020 15:06

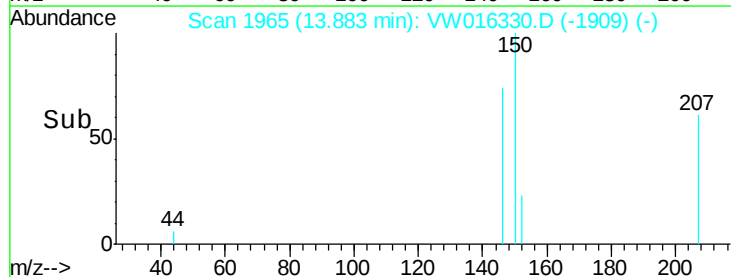
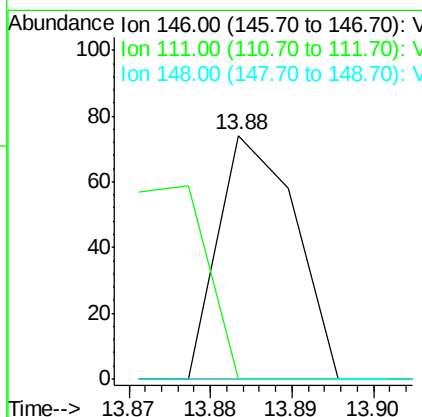
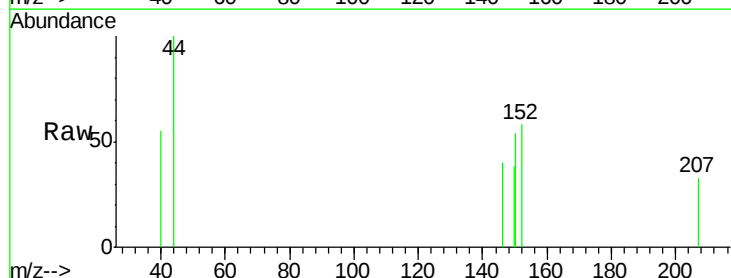
Instrument :
 MSVOA_W
 ClientSampled :
 BFSK2

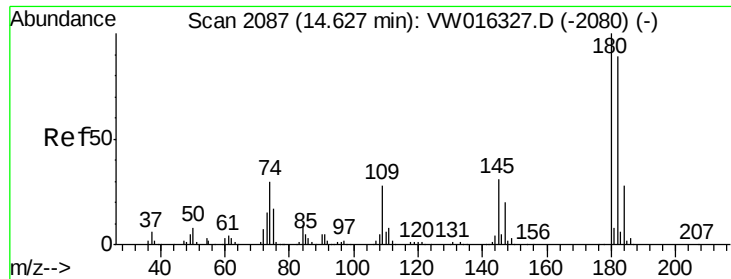
Tgt Ion: 75 Resp: 104
 Ion Ratio Lower Upper
 75 100
 77 0.0 27.1 40.7#



#65
 1,2-Dichlorobenzene
 Concen: 0.728 ug/L
 RT: 13.88 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: VW016330.D
 Acq: 24 Aug 2020 15:06

Tgt Ion: 146 Resp: 48
 Ion Ratio Lower Upper
 146 100
 111 0.0 36.9 55.3#
 148 0.0 51.4 77.2#

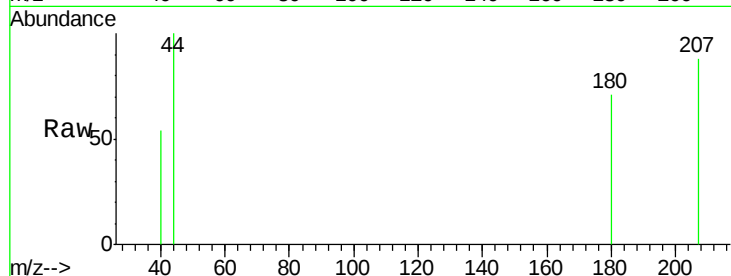




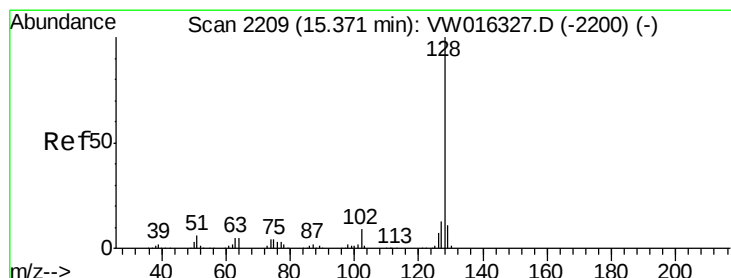
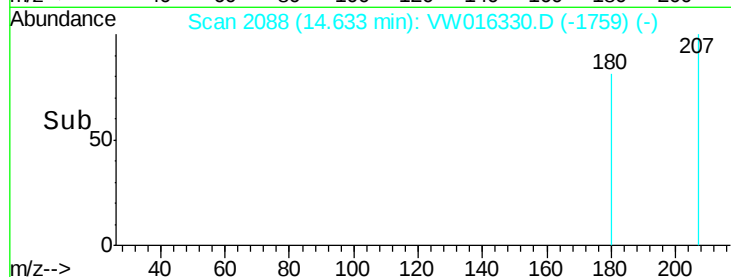
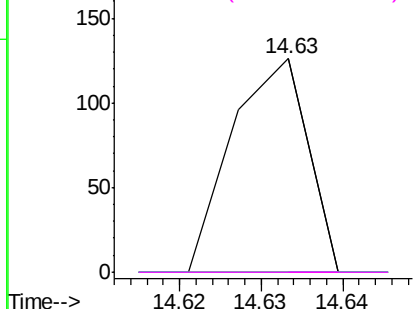
#67
 1,3,5-Trichlorobenzene
 Concen: 1.589 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016330.D
 Acq: 24 Aug 2020 15:06

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK2

Tgt Ion:	180	Resp:	81
Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.4	116.2#
184	0.0	24.4	36.6#
145	0.0	25.6	38.4#

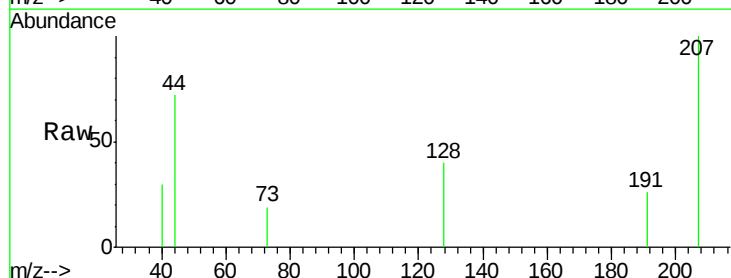


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

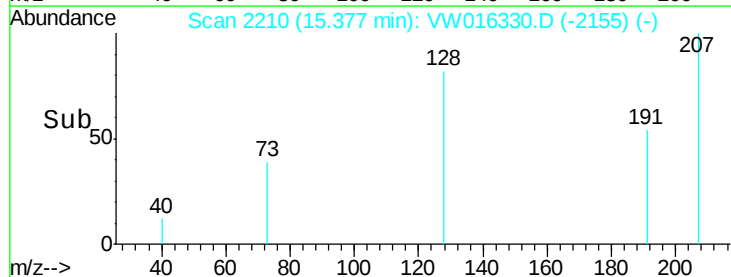
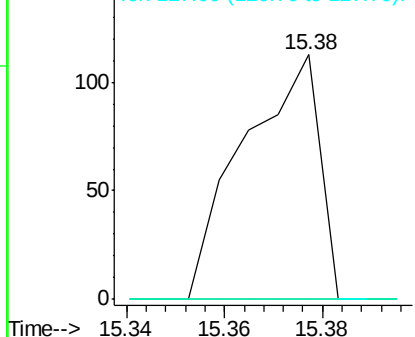


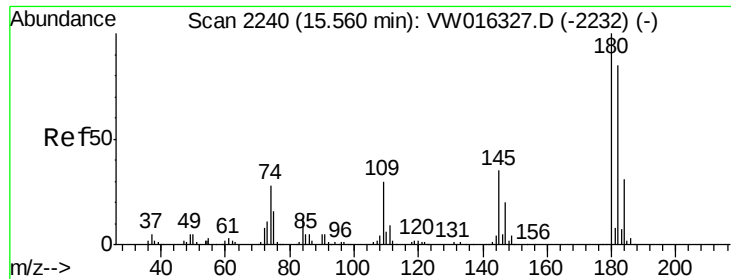
#69
 Naphthalene
 Concen: 1.522 ug/L
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW016330.D
 Acq: 24 Aug 2020 15:06

Tgt Ion:	128	Resp:	121
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	13.0#
127	0.0	10.3	15.5#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

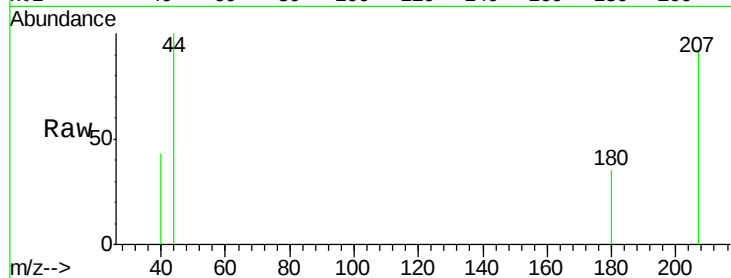




#70
 1,2,3-Trichlorobenzene
 Concen: 1.461 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW016330.D
 Acq: 24 Aug 2020 15:06

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK2

Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 84.6 77.0 115.4
 145 0.0 28.6 42.8#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

