

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040723\
 Data File : VW030433.D
 Acq On : 07 Apr 2023 11:16
 Operator : SY/MD
 Sample : 02194-11DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDW8DL

Quant Time: Apr 10 03:54:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	119736	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	116660	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	57837	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	33534	4.229	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.535	69	35313	4.589	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.066	63	85686	4.553	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	3.815	46	91432	44.607	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.220%
24) Chloroform-d	4.262	84	88937	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	4.953	65	45115	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.969	84	157768	4.799	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	5.998	67	48583	4.720	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.252	98	135729	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.564	79	16013	4.132	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.037	63	67837	43.566	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.140%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34843	4.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	53200	5.146	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	2107	0.110	ug/L	84
5) Vinyl chloride	1.285	62	2513	0.179	ug/L #	69
6) Bromomethane	1.494	94	541	0.135	ug/L	96
12) 1,1-Dichloroethene	2.076	96	42507	4.249	ug/L	94
16) Methylene chloride	2.455	84	4686	0.396	ug/L	98
19) 1,1-Dichloroethane	3.121	63	9534	0.467	ug/L	92
22) cis-1,2-Dichloroethene	3.825	96	57197	5.407	ug/L	98
29) 1,1,1-Trichloroethane	4.522	97	20258	1.080	ug/L	95
31) Carbon tetrachloride	4.529	117	2757	0.162	ug/L	91
34) Trichloroethene	5.844	95	23654	2.117	ug/L	96
35) Methylcyclohexane	5.995	83	12564	0.716	ug/L #	17
44) trans-1,3-Dichloropropene	7.561	75	1070	0.084	ug/L #	81
45) 1,1,2-Trichloroethane	7.911	97	1010	0.135	ug/L #	1
47) Tetrachloroethene	7.911	164	115026	11.663	ug/L	98
49) Dibromochloromethane	7.911	129	99252	11.132	ug/L #	12
61) 1,2,3-Trichloropropane	11.194	75	6705	1.297	ug/L #	64

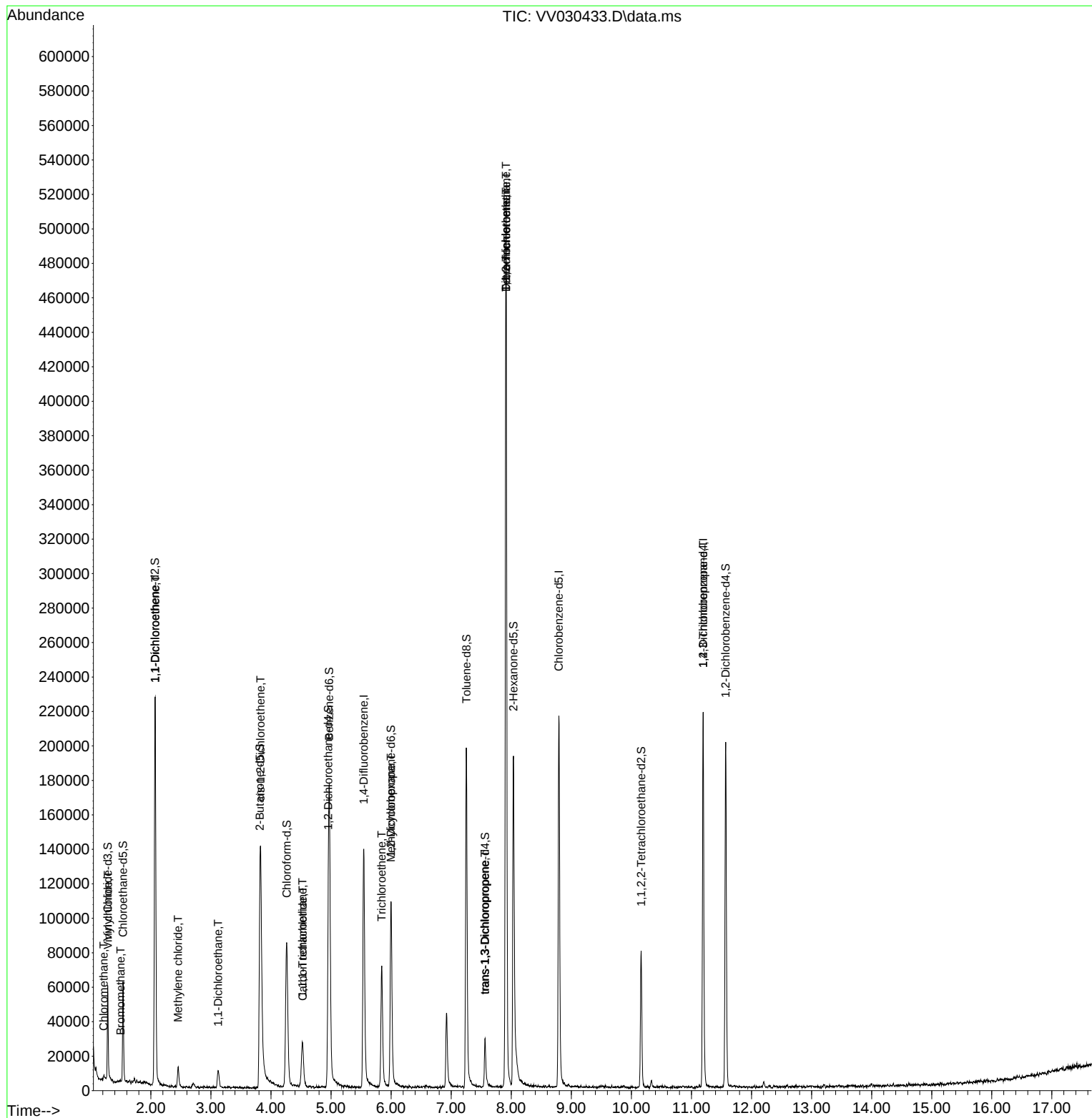
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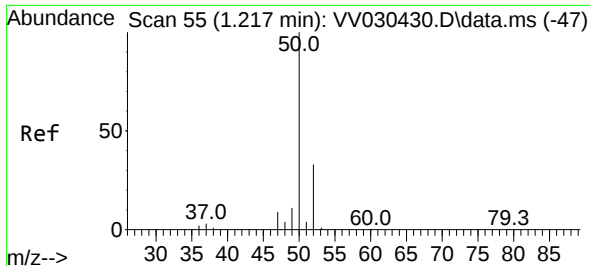
Instrument :
MSVOA_V
ClientSampleId :
BHDW8DL

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Response via : Initial Calibration

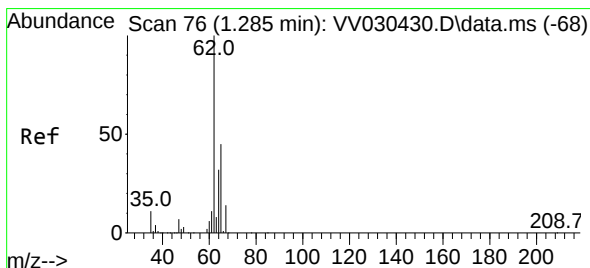
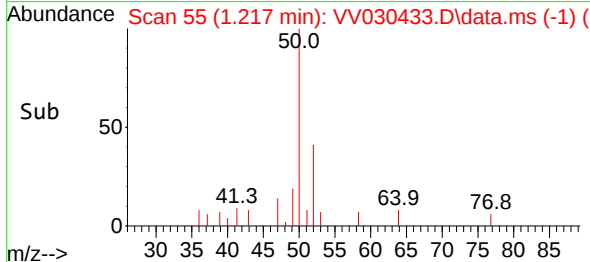
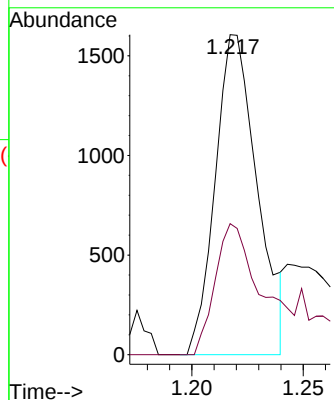
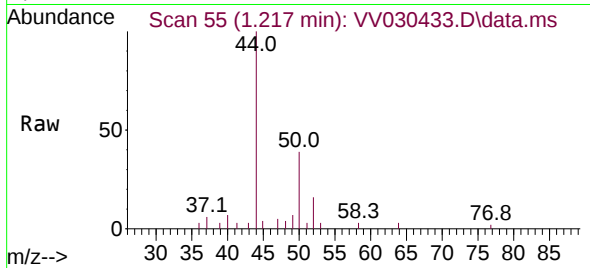




#3
Chloromethane
Concen: 0.110 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

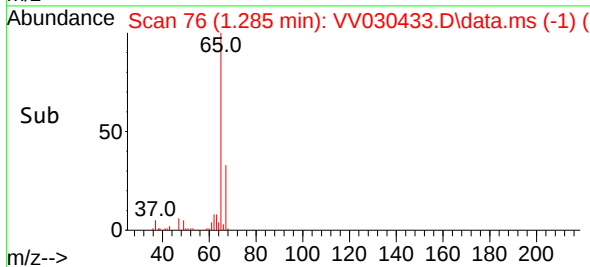
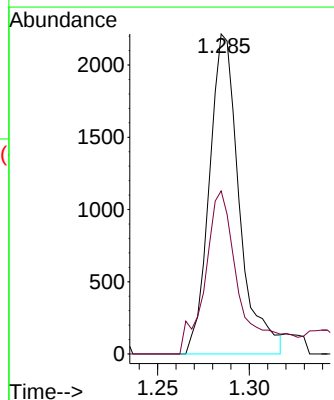
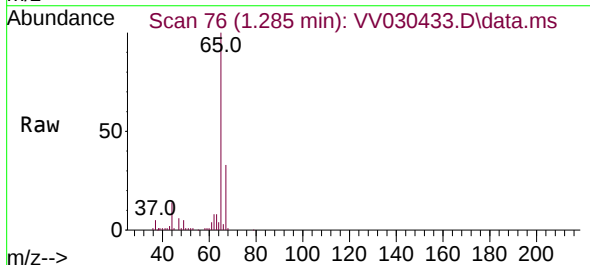
Instrument :
MSVOA_V
ClientSampleId :
BHDW8DL

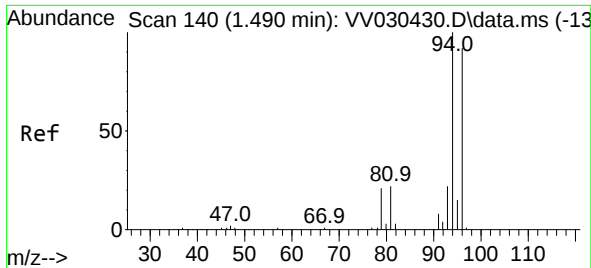
Tgt Ion: 50 Resp: 2107
Ion Ratio Lower Upper
50 100
52 41.0 22.3 41.5



#5
Vinyl chloride
Concen: 0.179 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 62 Resp: 2513
Ion Ratio Lower Upper
62 100
64 51.0 23.2 43.2#

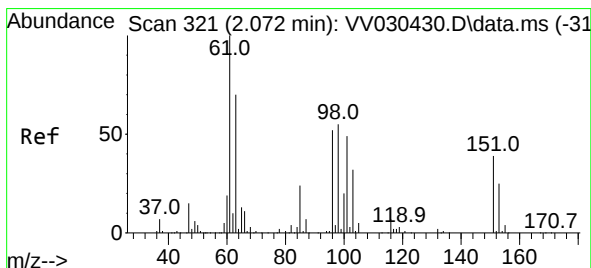
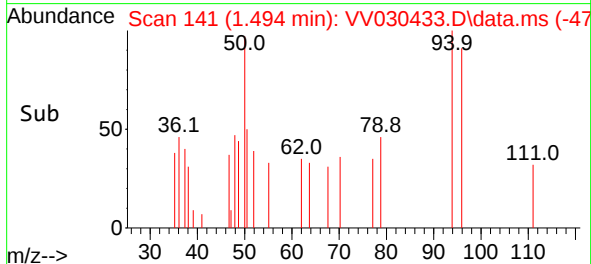
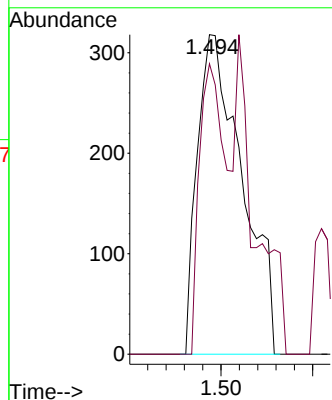
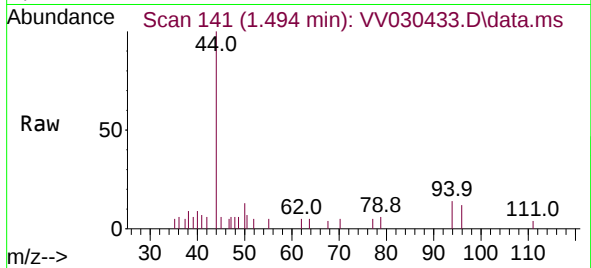




#6
Bromomethane
Concen: 0.135 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

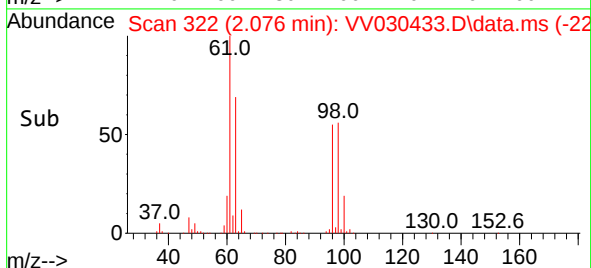
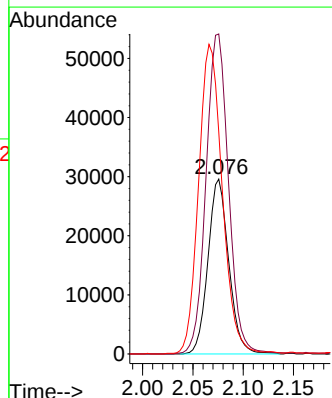
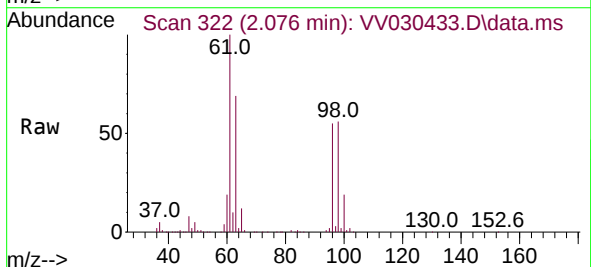
Instrument :
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ClientSampleId :
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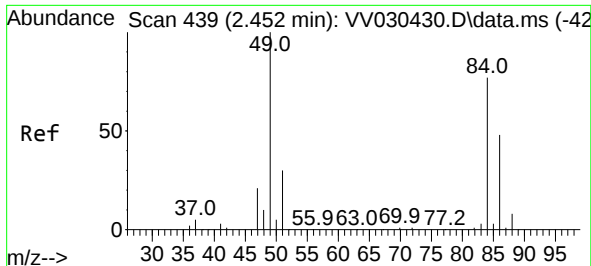
Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 90.9 66.1 122.7



#12
1,1-Dichloroethene
Concen: 4.249 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 96 Resp: 42507
Ion Ratio Lower Upper
96 100
61 182.9 136.3 253.1
63 126.9 92.1 171.1

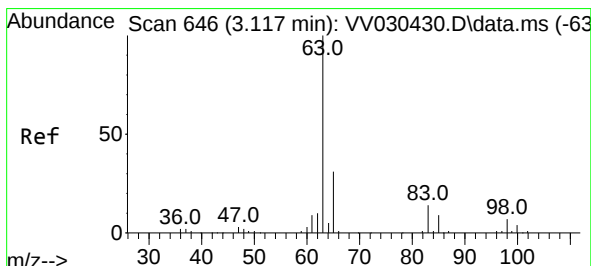
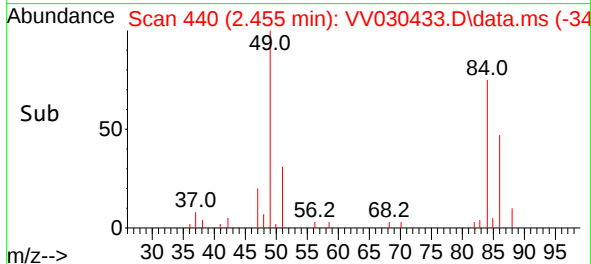
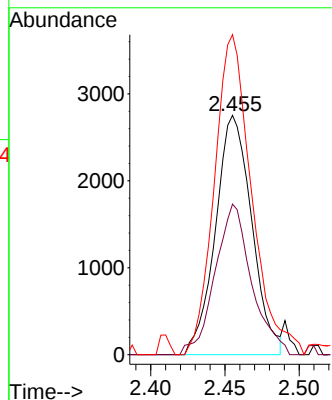
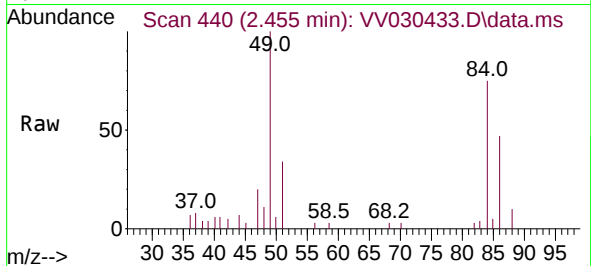




#16
Methylene chloride
Concen: 0.396 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

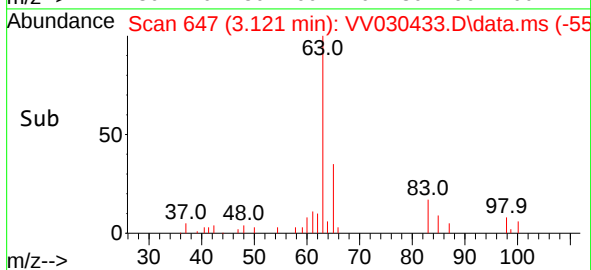
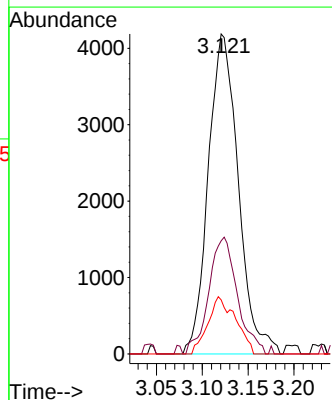
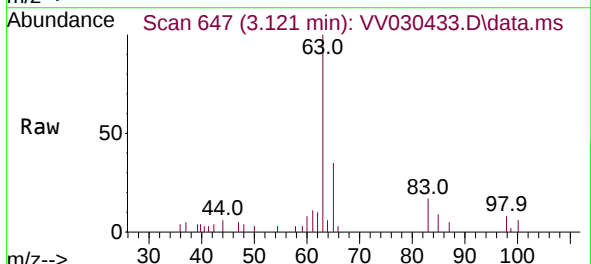
Instrument :
MSVOA_V
ClientSampleId :
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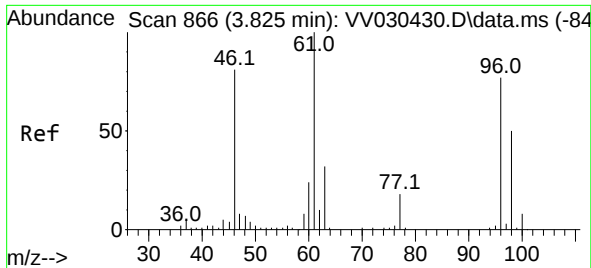
Tgt Ion: 84 Resp: 4686
Ion Ratio Lower Upper
84 100
86 62.9 44.0 81.6
49 133.7 90.6 168.3



#19
1,1-Dichloroethane
Concen: 0.467 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 63 Resp: 9534
Ion Ratio Lower Upper
63 100
65 35.4 21.7 40.3
83 16.9 9.1 16.9

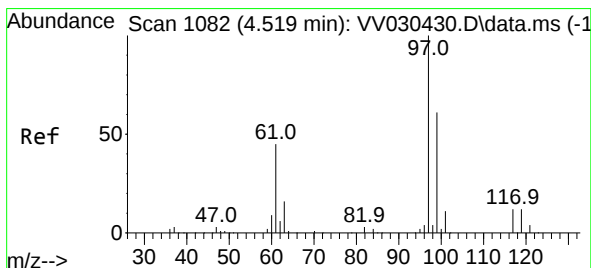
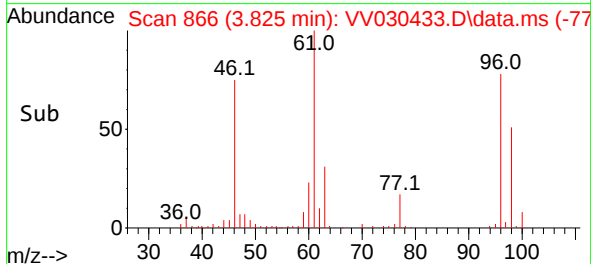
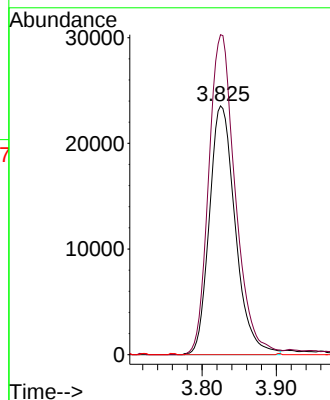
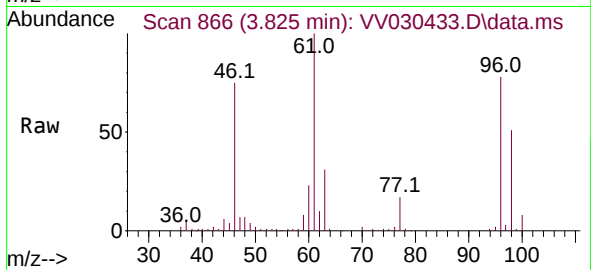




#22
 cis-1,2-Dichloroethene
 Concen: 5.407 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030433.D
 Acq: 07 Apr 2023 11:16

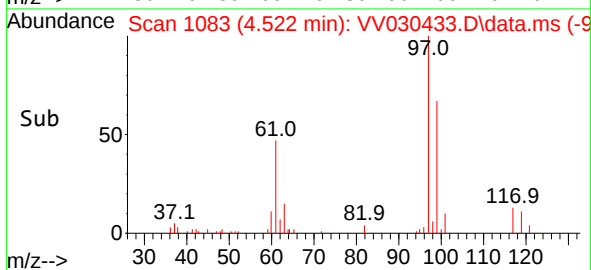
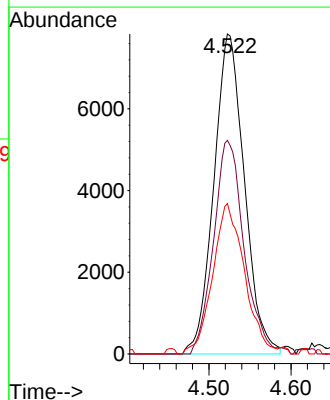
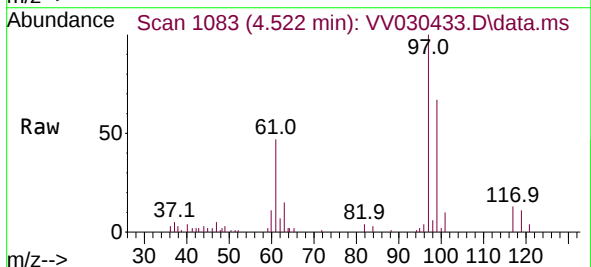
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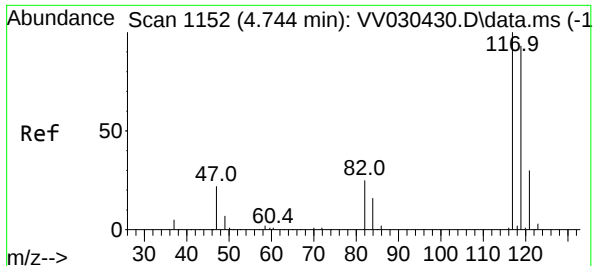
Tgt Ion: 96 Resp: 57197
 Ion Ratio Lower Upper
 96 100
 61 128.6 92.0 170.8
 68 0.0 0.0 0.0



#29
 1,1,1-Trichloroethane
 Concen: 1.080 ug/L
 RT: 4.522 min Scan# 1083
 Delta R.T. 0.003 min
 Lab File: VV030433.D
 Acq: 07 Apr 2023 11:16

Tgt Ion: 97 Resp: 20258
 Ion Ratio Lower Upper
 97 100
 99 66.9 50.9 76.3
 61 48.9 35.9 53.9

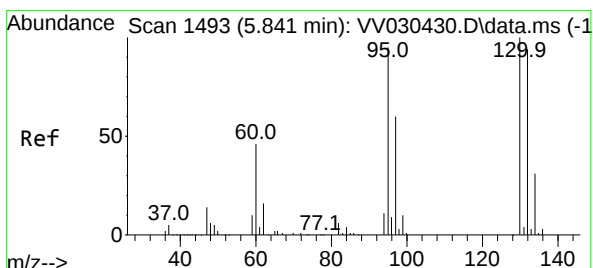
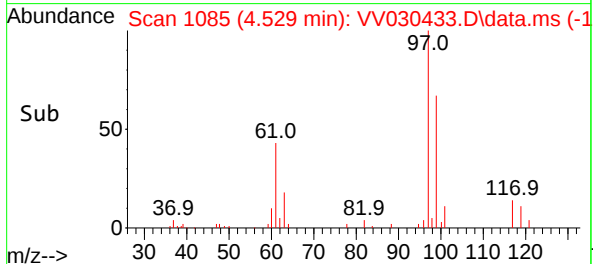
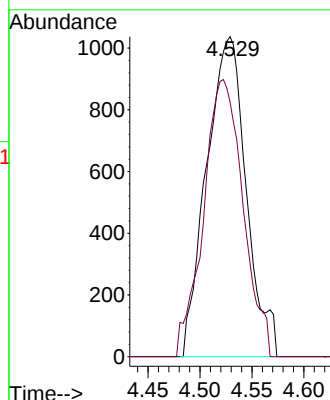
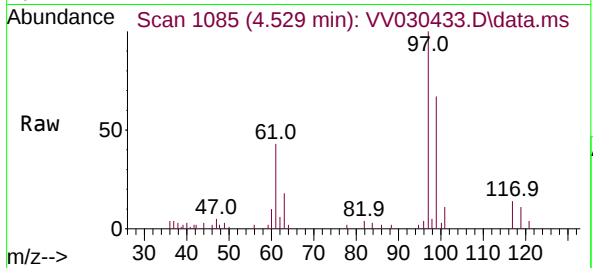




#31
Carbon tetrachloride
Concen: 0.162 ug/L
RT: 4.529 min Scan# 1085
Delta R.T. -0.215 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

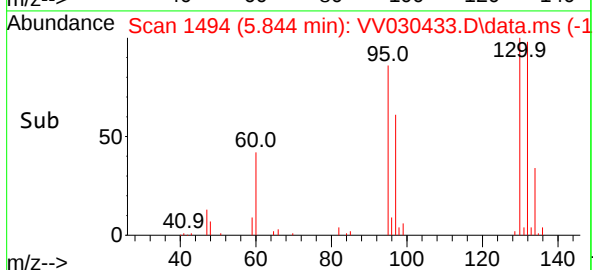
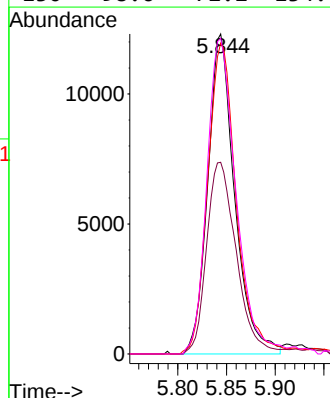
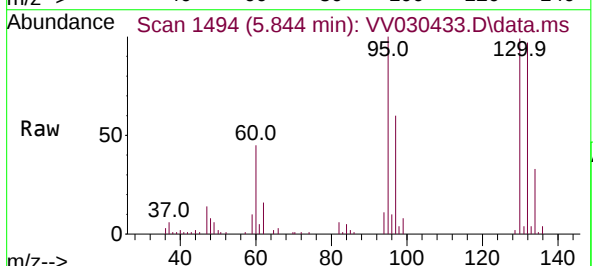
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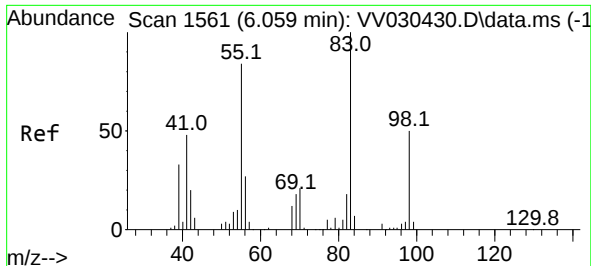
Tgt Ion:117 Resp: 2757
Ion Ratio Lower Upper
117 100
119 86.1 76.2 114.4



#34
Trichloroethene
Concen: 2.117 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 95 Resp: 23654
Ion Ratio Lower Upper
95 100
97 59.9 44.2 82.2
132 97.1 69.5 129.1
130 98.6 72.2 134.0

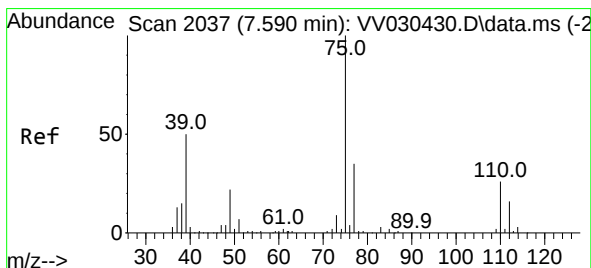
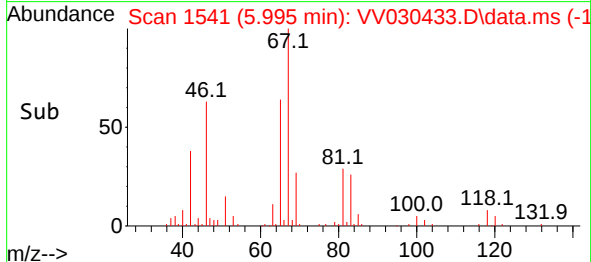
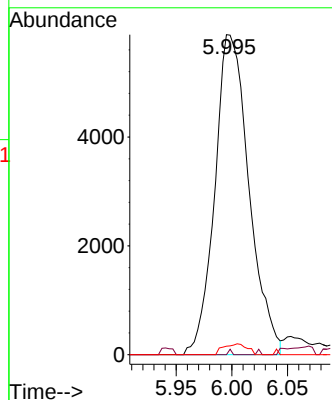
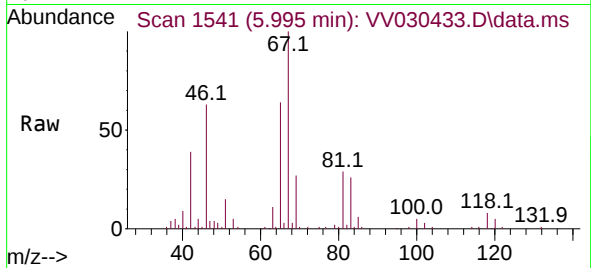




#35
Methylcyclohexane
Concen: 0.716 ug/L
RT: 5.995 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

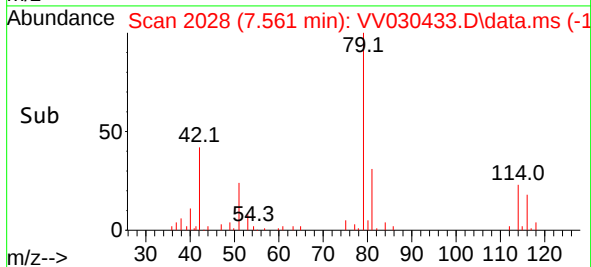
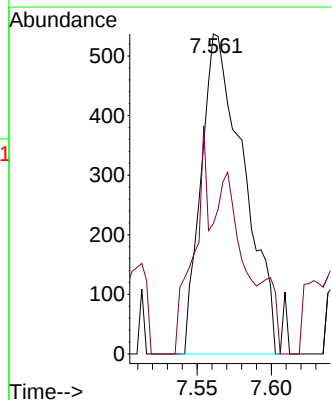
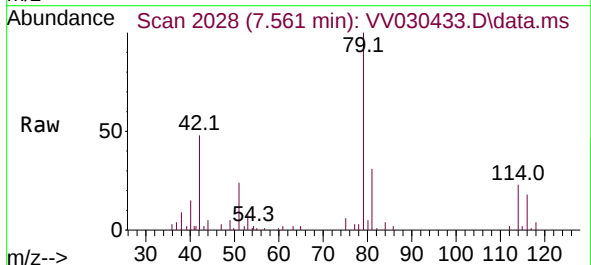
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BHDW8DL

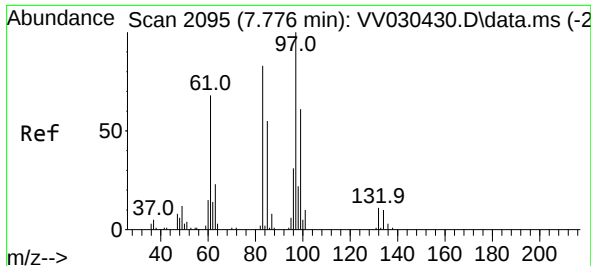
Tgt Ion: 83 Resp: 12564
Ion Ratio Lower Upper
83 100
55 0.2 66.6 100.0#
98 2.3 38.6 58.0#



#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.561 min Scan# 2028
Delta R.T. -0.029 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 75 Resp: 1070
Ion Ratio Lower Upper
75 100
77 40.8 21.2 39.4#

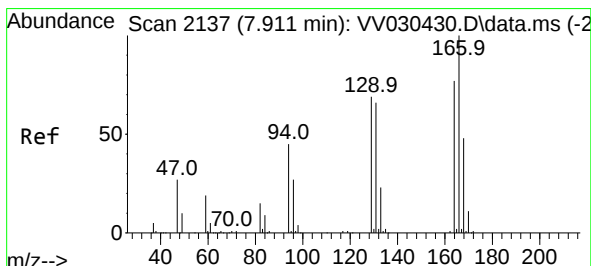
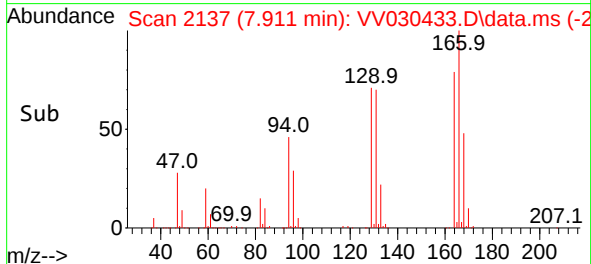
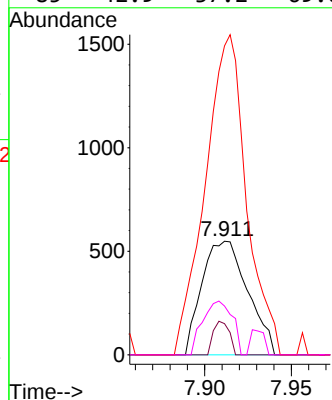
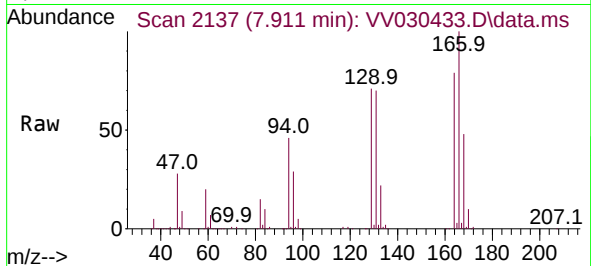




#45
1,1,2-Trichloroethane
Concen: 0.135 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.135 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

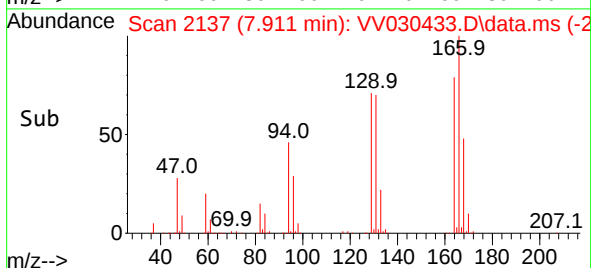
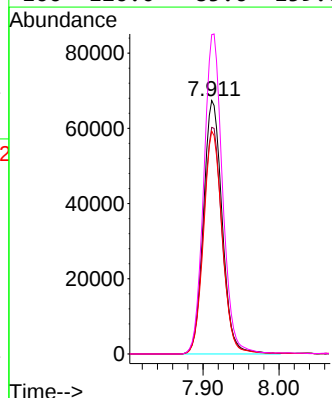
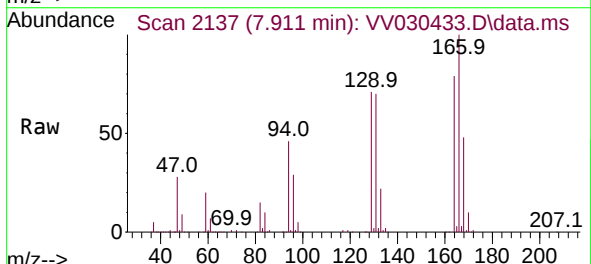
Instrument :
MSVOA_V
ClientSampleId :
BHDW8DL

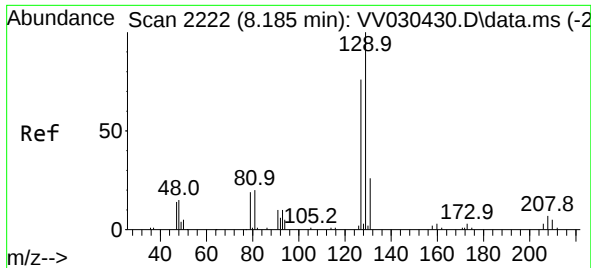
Tgt Ion: 97	Resp: 1010
Ion Ratio	Lower Upper
97 100	
99 27.4	44.0 81.8#
83 272.3	58.8 109.2#
85 42.9	37.2 69.0



#47
Tetrachloroethene
Concen: 11.663 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 164	Resp: 115026
Ion Ratio	Lower Upper
164 100	
129 89.4	60.8 112.8
131 87.9	61.7 114.7
166 126.0	85.6 159.0

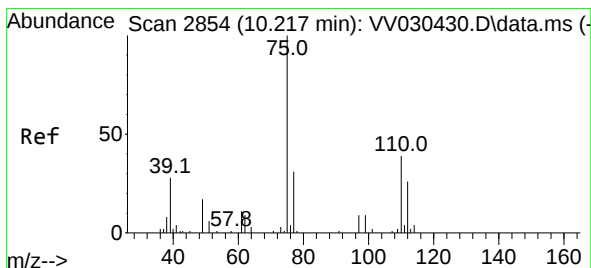
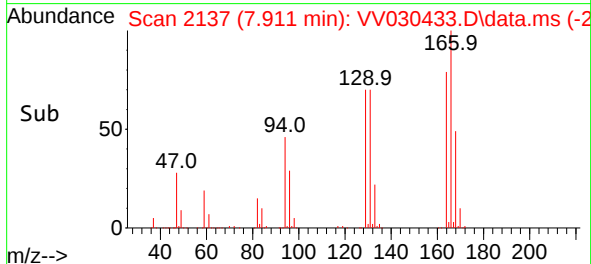
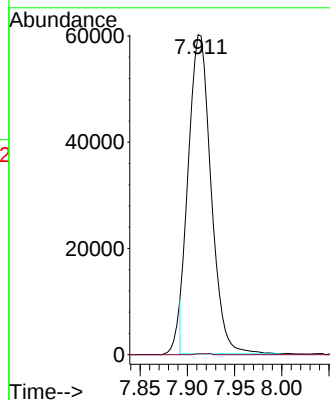
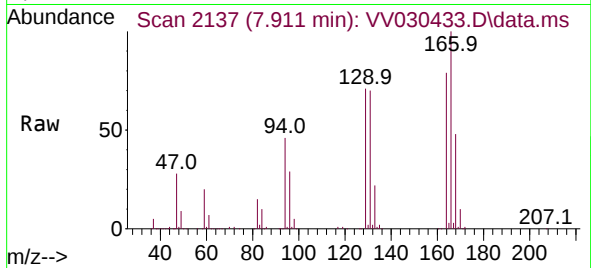




#49
Dibromochloromethane
Concen: 11.132 ug/L
RT: 7.911 min Scan# 21
Delta R.T. -0.273 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Instrument :
MSVOA_V
ClientSampleId :
BHDW8DL

Tgt Ion:129 Resp: 99252
Ion Ratio Lower Upper
129 100
127 0.3 52.7 97.9#



#61
1,2,3-Trichloropropane
Concen: 1.297 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.977 min
Lab File: VV030433.D
Acq: 07 Apr 2023 11:16

Tgt Ion: 75 Resp: 6705
Ion Ratio Lower Upper
75 100
77 36.4 26.0 39.0
110 3.2 31.6 47.4#

