

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040723\
 Data File : VV030450.D
 Acq On : 07 Apr 2023 18:10
 Operator : SY/MD
 Sample : 02225-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC2

Quant Time: Apr 10 03:59:02 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	5.542	114	124701	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	120969	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	58867	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	33381	4.042	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.536	69	37285	4.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.073	63	774412	39.515	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	790.200%#
20) 2-Butanone-d5	3.822	46	91850	43.027	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.060%
24) Chloroform-d	4.259	84	94816	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.953	65	48156	5.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	4.970	84	171187	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	5.998	67	52318	4.902	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.252	98	142655	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.561	79	16978	4.225	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.037	63	71784	44.459	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.920%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37659	4.477	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	55556	5.280	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
3) Chloromethane	1.217	50	3102	0.155	ug/L	98
5) Vinyl chloride	1.285	62	1362	0.093	ug/L #	55
6) Bromomethane	1.507	94	421	0.101	ug/L #	60
9) Trichlorofluoromethane	1.719	101	4351	0.205	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	3633	0.310	ug/L #	31
12) 1,1-Dichloroethene	2.076	96	1210956	116.222	ug/L #	69
13) Acetone	2.147	43	3253	1.594	ug/L	81
19) 1,1-Dichloroethane	3.121	63	367985	17.293	ug/L	98
27) 1,2-Dichloroethane	5.066	62	2615	0.201	ug/L #	73
29) 1,1,1-Trichloroethane	4.523	97	5157952	265.283	ug/L	99
31) Carbon tetrachloride	4.523	117	635862	36.043	ug/L	98
34) Trichloroethene	5.844	95	14525	1.253	ug/L	97
35) Methylcyclohexane	6.002	83	13852	0.762	ug/L #	16
37) 1,2-Dichloropropane	6.002	63	6585	0.597	ug/L #	85
39) cis-1,3-Dichloropropene	6.921	75	1327	0.086	ug/L #	48
47) Tetrachloroethene	7.918	164	1401	0.137	ug/L	88
49) Dibromochloromethane	7.915	129	1230	0.133	ug/L #	12

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QLast Update : Mon Apr 10 03:52:52 2023
Response via : Initial Calibration

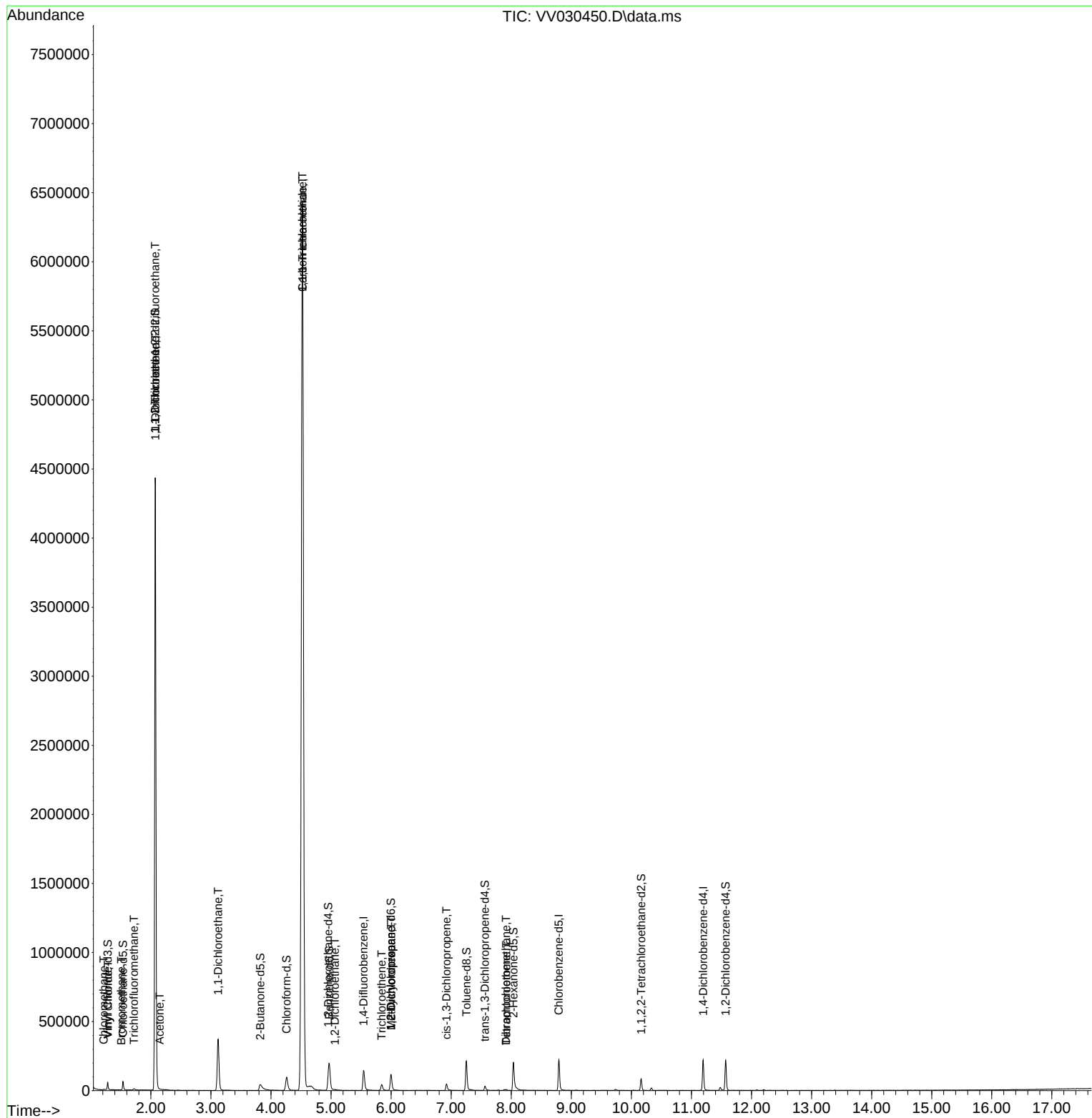
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

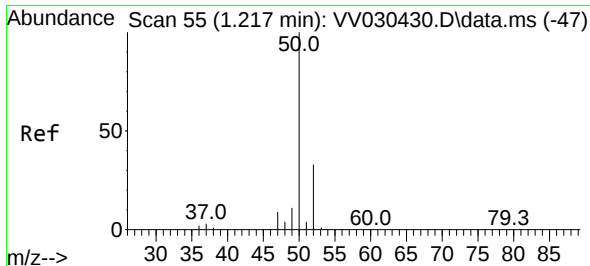
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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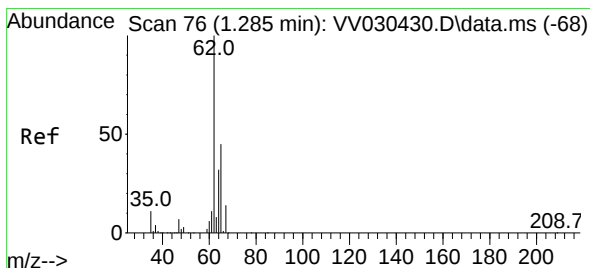
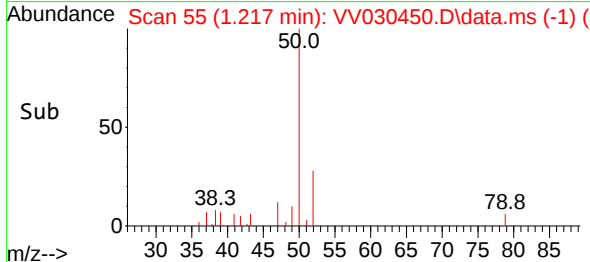
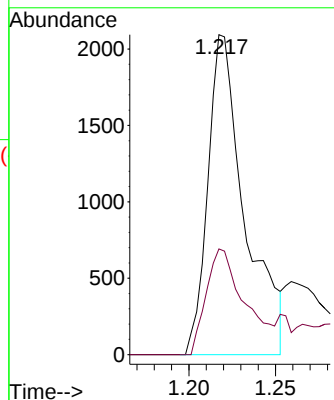
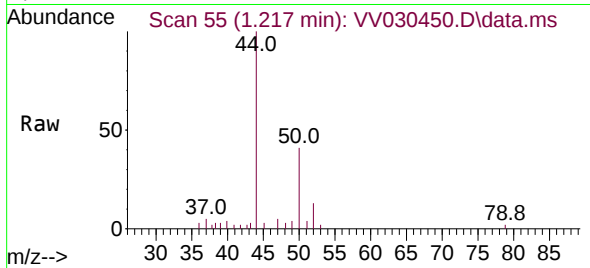




#3
Chloromethane
Concen: 0.155 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

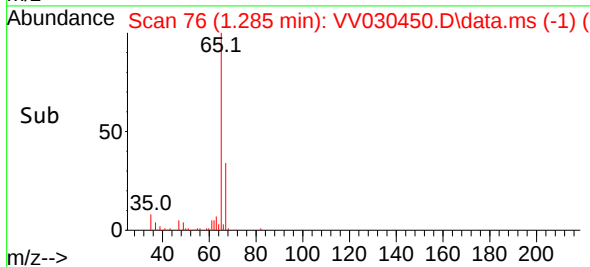
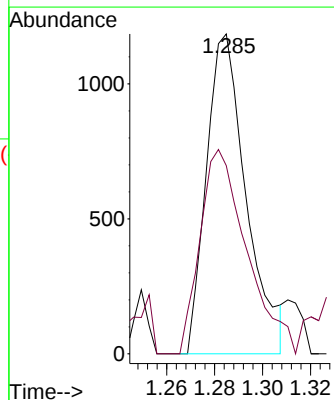
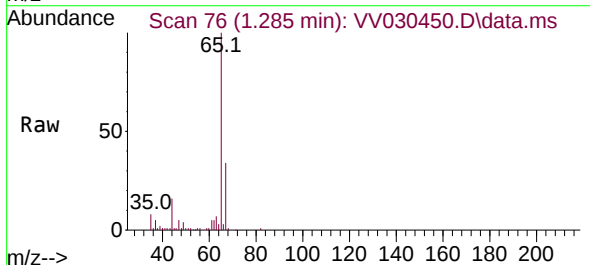
Instrument :
MSVOA_V
ClientSampleId :
C0AC2

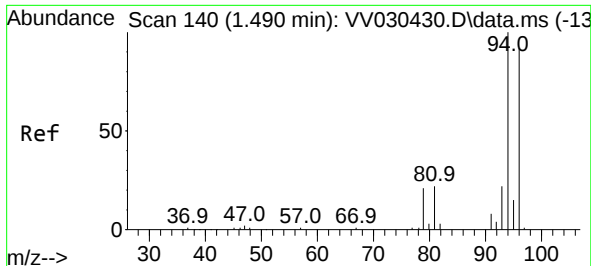
Tgt Ion: 50 Resp: 3102
Ion Ratio Lower Upper
50 100
52 33.0 22.3 41.5



#5
Vinyl chloride
Concen: 0.093 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

Tgt Ion: 62 Resp: 1362
Ion Ratio Lower Upper
62 100
64 58.8 23.2 43.2#

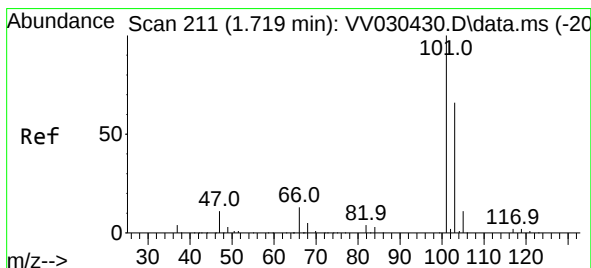
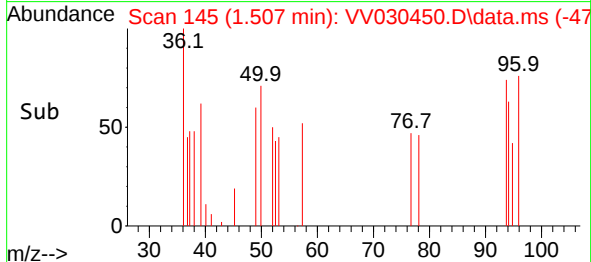
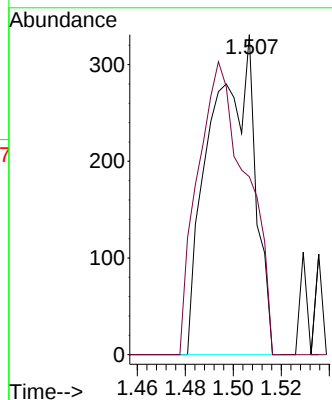
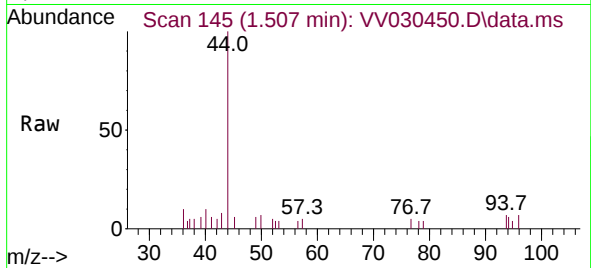




#6
Bromomethane
Concen: 0.101 ug/L
RT: 1.507 min Scan# 140
Delta R.T. 0.016 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

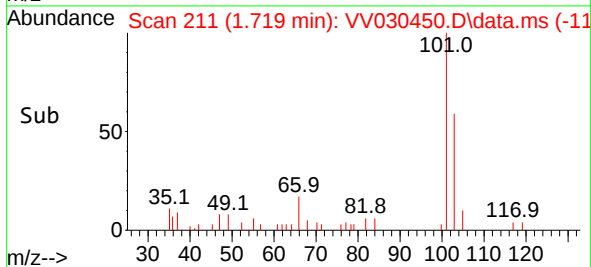
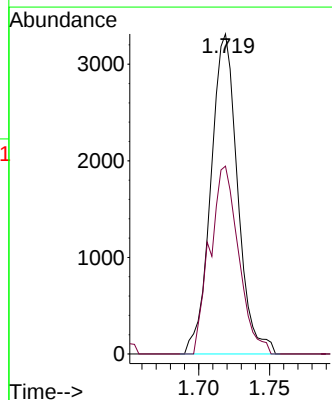
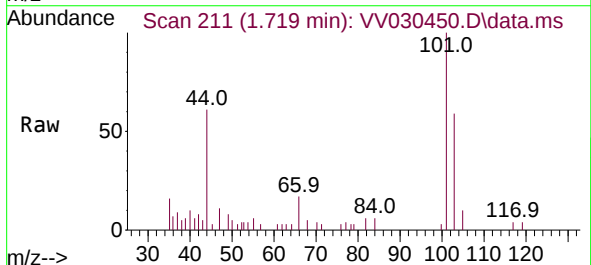
Instrument :
MSVOA_V
ClientSampleId :
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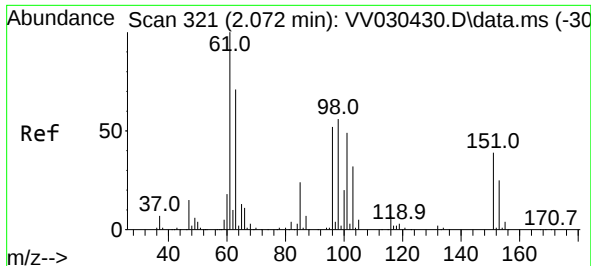
Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 55.6 66.1 122.7#



#9
Trichlorofluoromethane
Concen: 0.205 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

Tgt Ion:101 Resp: 4351
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.6

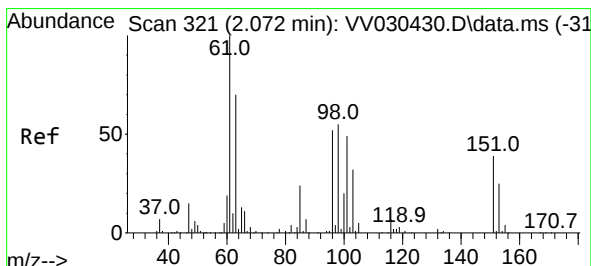
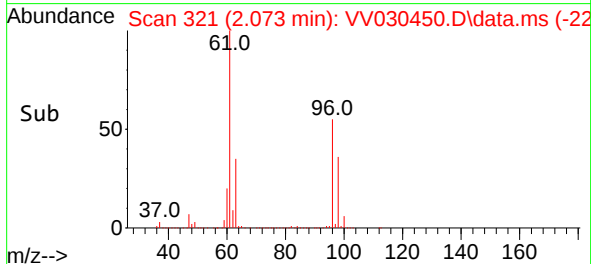
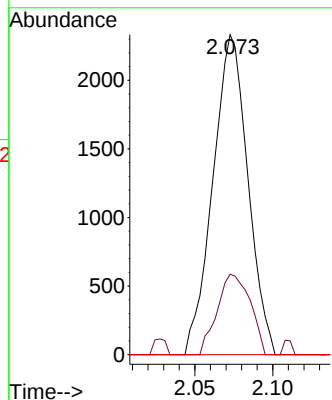
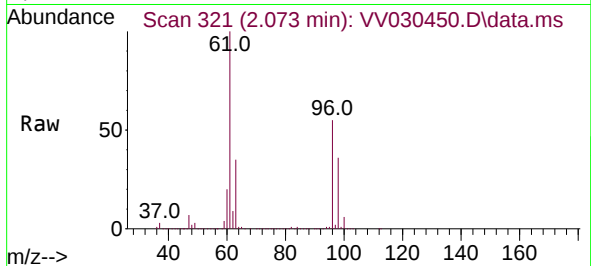




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.310 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030450.D
 Acq: 07 Apr 2023 18:10

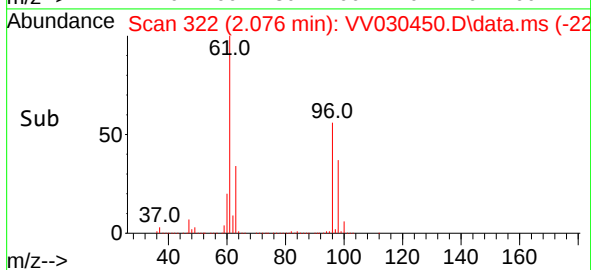
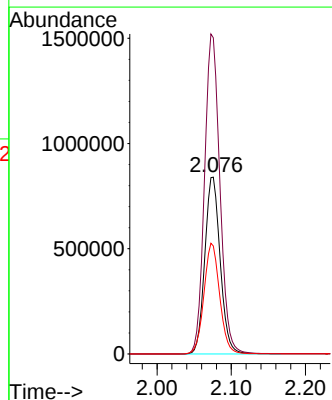
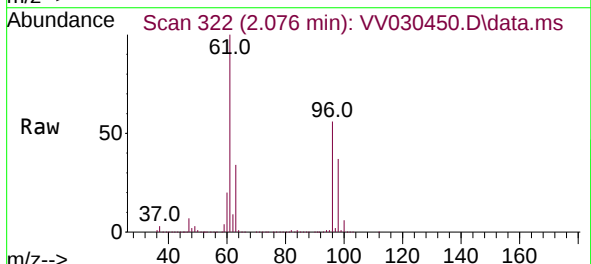
Instrument :
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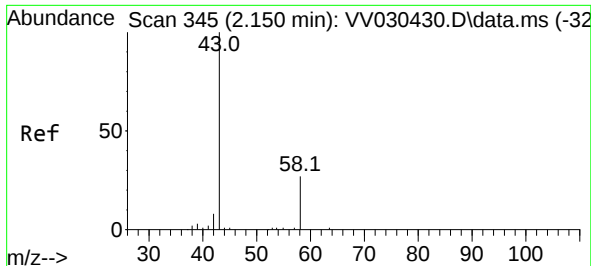
Tgt Ion:101 Resp: 3633
 Ion Ratio Lower Upper
 101 100
 85 23.8 38.1 57.1#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 116.222 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030450.D
 Acq: 07 Apr 2023 18:10

Tgt Ion: 96 Resp: 1210956
 Ion Ratio Lower Upper
 96 100
 61 178.9 136.3 253.1
 63 61.1 92.1 171.1#





#13

Acetone

Concen: 1.594 ug/L

RT: 2.147 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

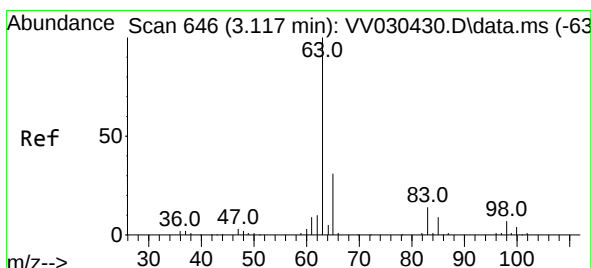
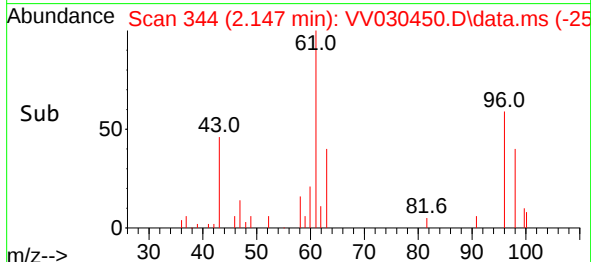
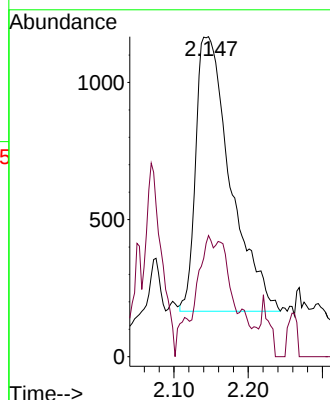
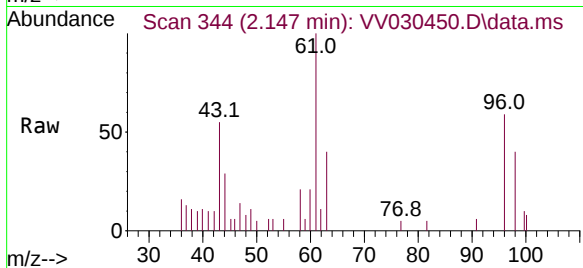
C0AC2

Tgt Ion: 43 Resp: 3253

Ion Ratio Lower Upper

43 100

58 11.7 0.0 40.8



#19

1,1-Dichloroethane

Concen: 17.293 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

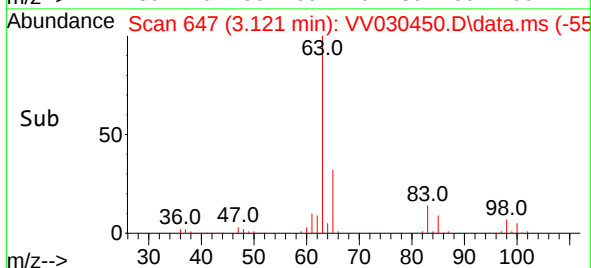
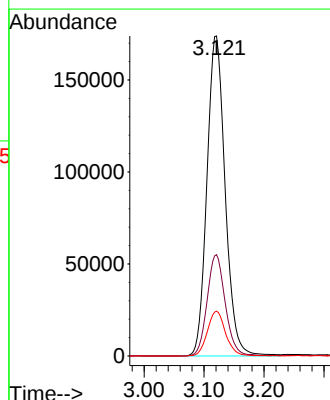
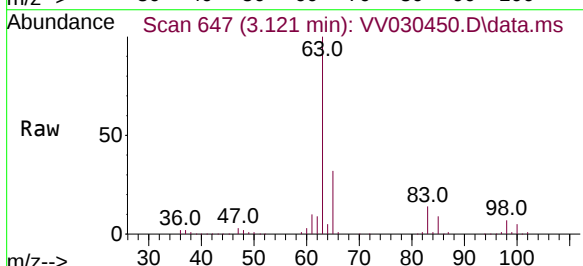
Tgt Ion: 63 Resp: 367985

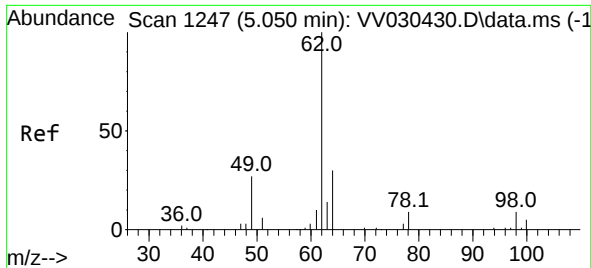
Ion Ratio Lower Upper

63 100

65 31.6 21.7 40.3

83 14.0 9.1 16.9





#27

1,2-Dichloroethane

Concen: 0.201 ug/L

RT: 5.066 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

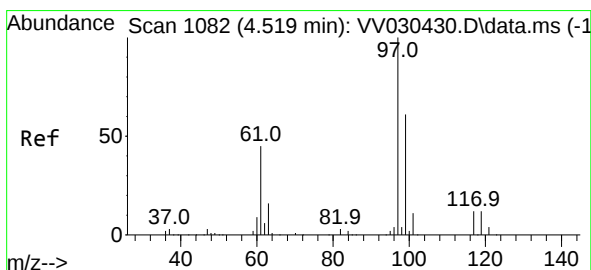
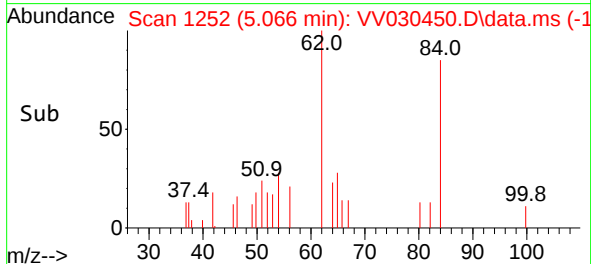
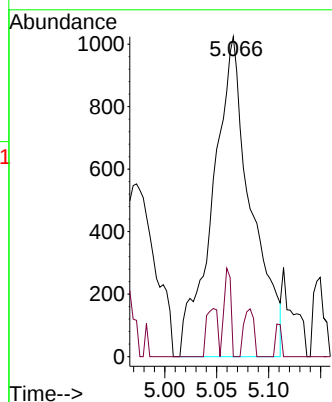
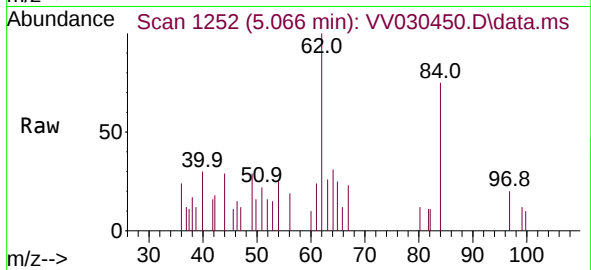
C0AC2

Tgt Ion: 62 Resp: 2615

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#29

1,1,1-Trichloroethane

Concen: 265.283 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

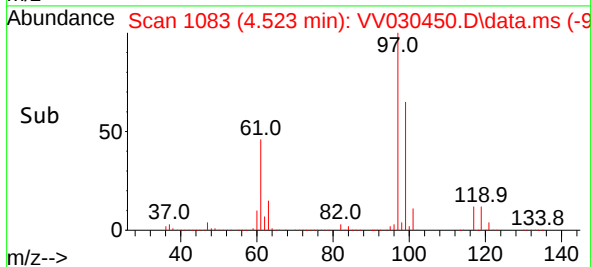
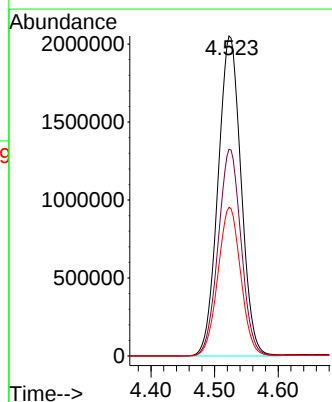
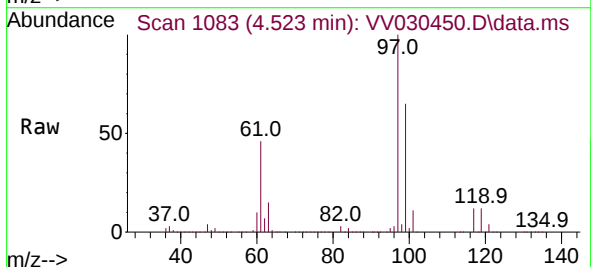
Tgt Ion: 97 Resp: 5157952

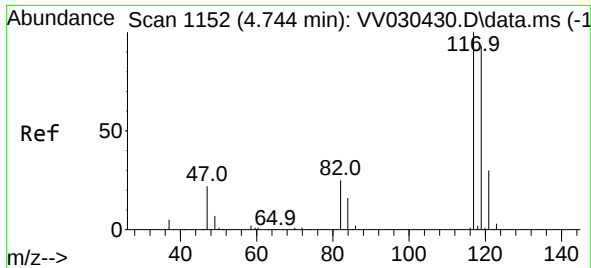
Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 46.2 35.9 53.9

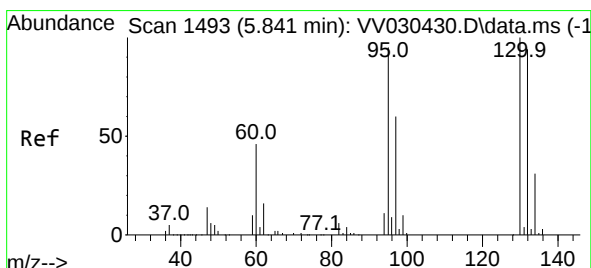
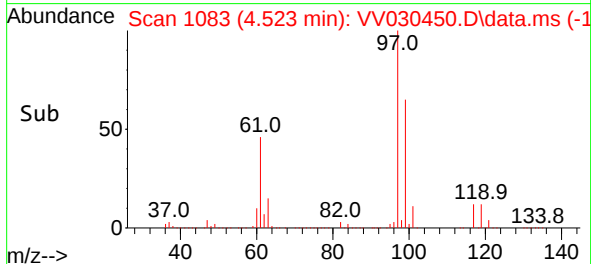
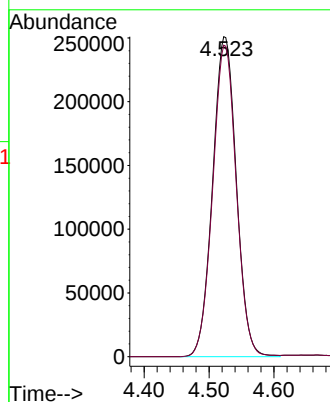
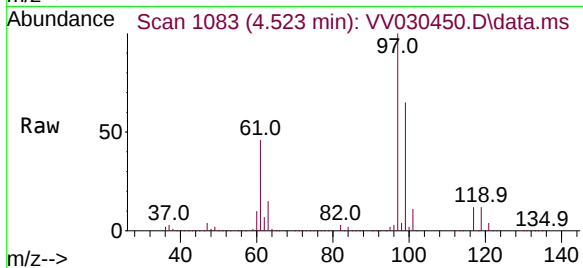




#31
Carbon tetrachloride
Concen: 36.043 ug/L
RT: 4.523 min Scan# 1152
Delta R.T. -0.222 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

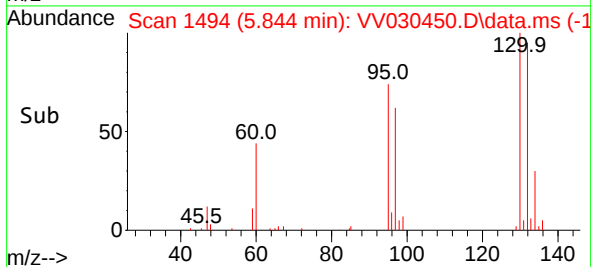
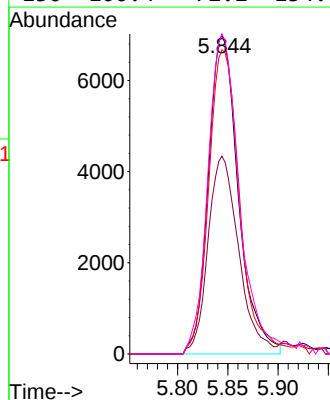
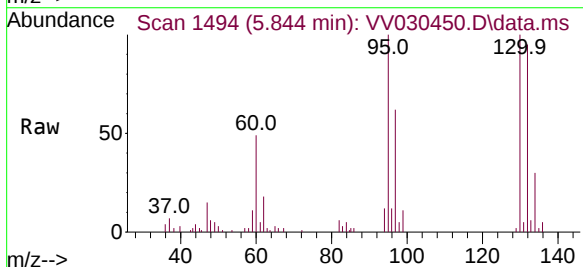
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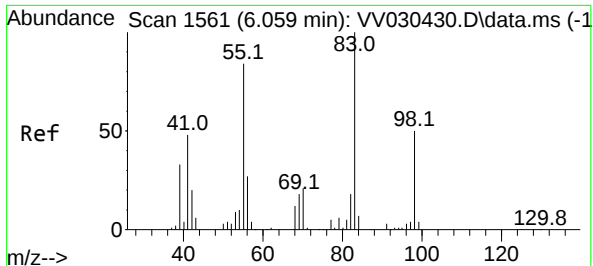
Tgt Ion:117 Resp: 635862
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.4



#34
Trichloroethene
Concen: 1.253 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.003 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

Tgt Ion: 95 Resp: 14525
Ion Ratio Lower Upper
95 100
97 62.0 44.2 82.2
132 95.4 69.5 129.1
130 100.4 72.2 134.0

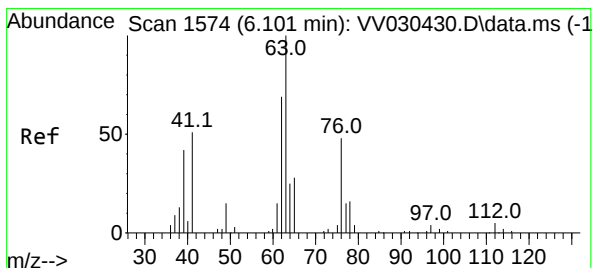
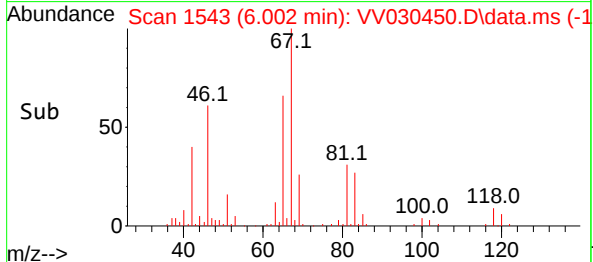
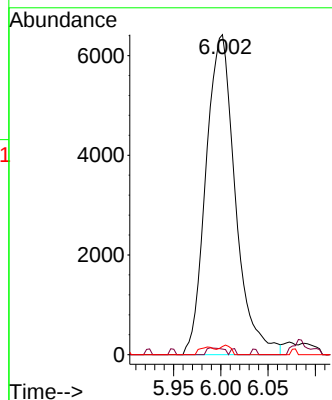
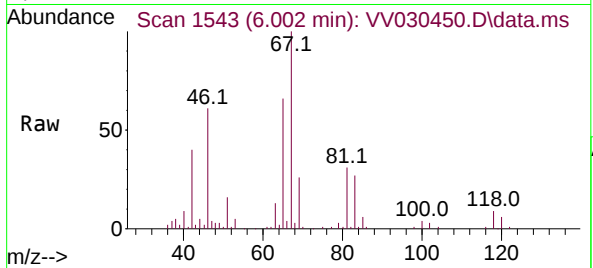




#35
Methylcyclohexane
Concen: 0.762 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.058 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

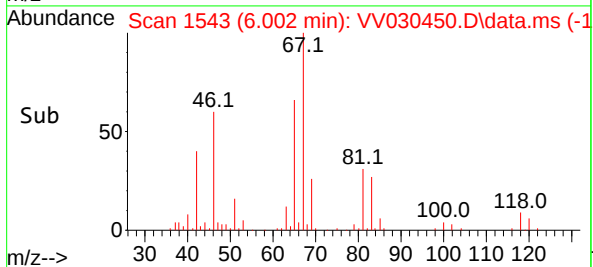
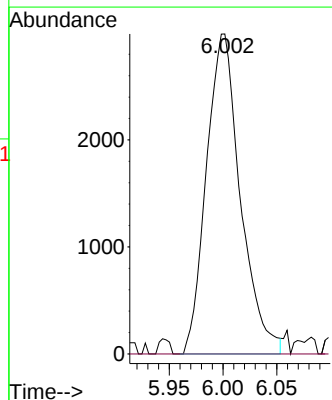
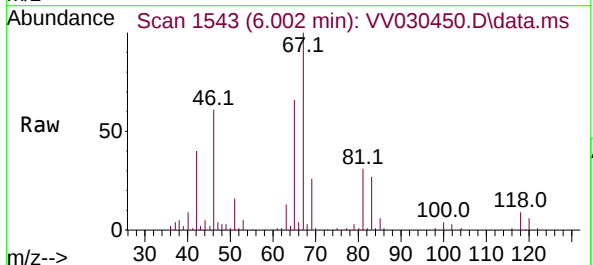
Instrument :
MSVOA_V
ClientSampleId :
C0AC2

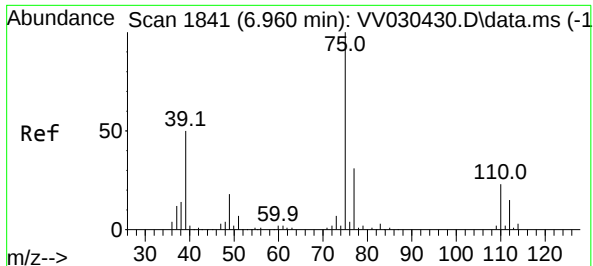
Tgt Ion: 83 Resp: 13852
Ion Ratio Lower Upper
83 100
55 0.3 66.6 100.0#
98 1.1 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.597 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.099 min
Lab File: VV030450.D
Acq: 07 Apr 2023 18:10

Tgt Ion: 63 Resp: 6585
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.921 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

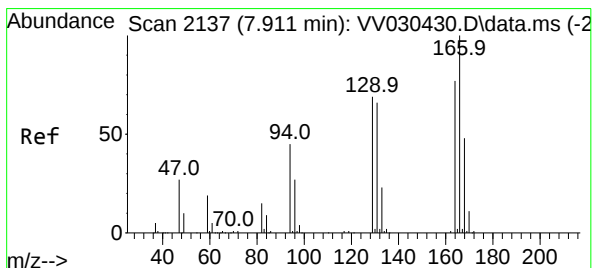
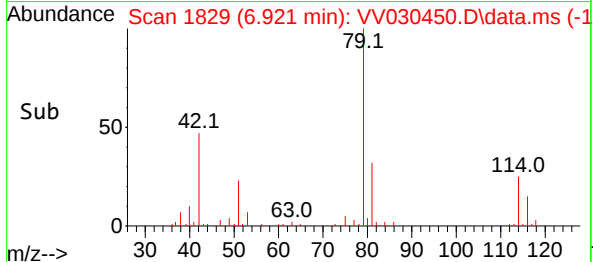
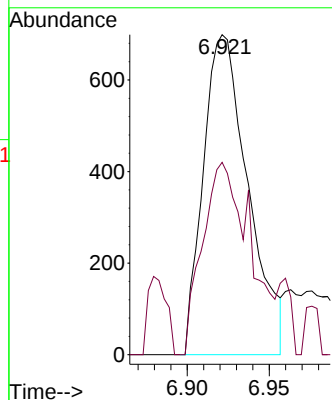
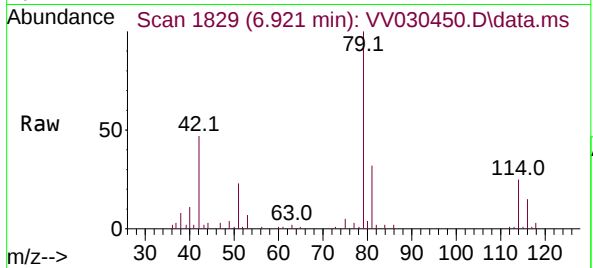
C0AC2

Tgt Ion: 75 Resp: 1327

Ion Ratio Lower Upper

75 100

77 60.1 22.0 41.0#



#47

Tetrachloroethene

Concen: 0.137 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. 0.007 min

Lab File: VV030450.D

Acq: 07 Apr 2023 18:10

Tgt Ion: 164 Resp: 1401

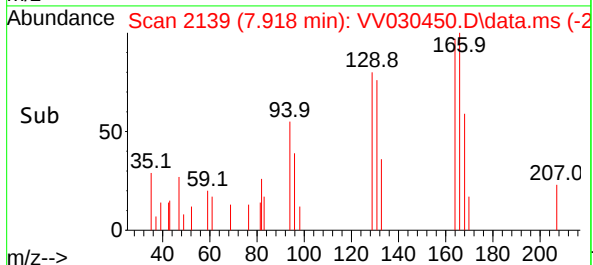
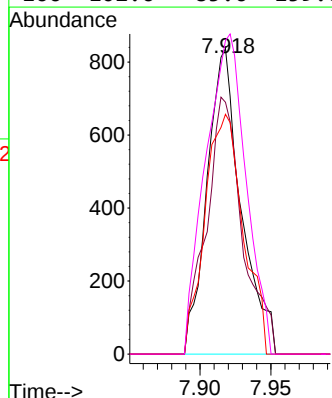
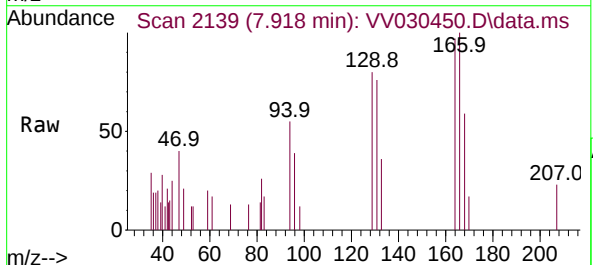
Ion Ratio Lower Upper

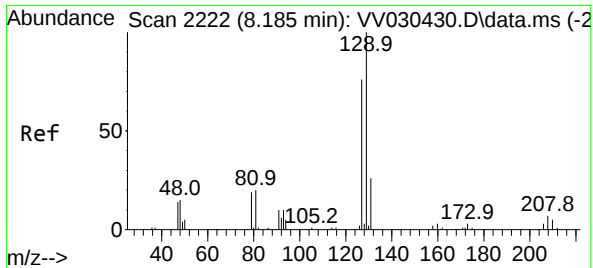
164 100

129 82.4 60.8 112.8

131 78.5 61.7 114.7

166 102.6 85.6 159.0





#49
 Dibromochloromethane
 Concen: 0.133 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. -0.270 min
 Lab File: VV030450.D
 Acq: 07 Apr 2023 18:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC2

Tgt Ion:129 Resp: 1230
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.7 97.9#

