

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031623\
 Data File : VW030220.D
 Acq On : 16 Mar 2023 13:23
 Operator : SY/MD
 Sample : 01884-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB927

Quant Time: Mar 17 05:48:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 05:46:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	123451	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	119571	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	71515	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	34399	4.306	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.535	69	31776	4.238	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.063	63	55556	3.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	3.838	46	66626	45.240	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.480%
24) Chloroform-d	4.259	84	73302	4.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	4.956	65	35247	5.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	4.969	84	131500	4.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	5.998	67	41819	4.320	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.252	98	119386	3.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
43) trans-1,3-Dichloroprop...	7.561	79	14380	4.342	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.037	63	60078	43.851	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.700%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	31878	4.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	51234	4.234	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2768	0.175	ug/L	92
5) Vinyl chloride	1.387	62	877	0.083	ug/L	84
13) Acetone	1.912	43	17204	15.805	ug/L	81
14) Carbon disulfide	2.246	76	3303	0.149	ug/L	99
22) cis-1,2-Dichloroethene	3.828	96	1321	0.152	ug/L	91
30) Cyclohexane	4.593	56	3118	0.257	ug/L	97
33) Benzene	5.027	78	5989	0.183	ug/L	100
35) Methylcyclohexane	6.056	83	3457	0.250	ug/L #	78
37) 1,2-Dichloropropane	5.998	63	5199	0.626	ug/L #	86
42) Toluene	7.329	91	10407	0.294	ug/L	98
44) trans-1,3-Dichloropropene	7.558	75	837	0.088	ug/L #	26
45) 1,1,2-Trichloroethane	7.728	97	1133	0.191	ug/L #	16
51) Chlorobenzene	8.821	112	362141	15.182	ug/L	98
52) Ethylbenzene	8.960	91	2167	0.056	ug/L	94
53) m,p-Xylene	9.082	106	2515	0.170	ug/L	96
54) o-Xylene	9.490	106	2287	0.162	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.185	83	1487	0.224	ug/L #	52
60) Isopropylbenzene	9.876	105	47086	1.144	ug/L	98
61) 1,2,3-Trichloropropane	11.217	75	22489	4.698	ug/L #	47

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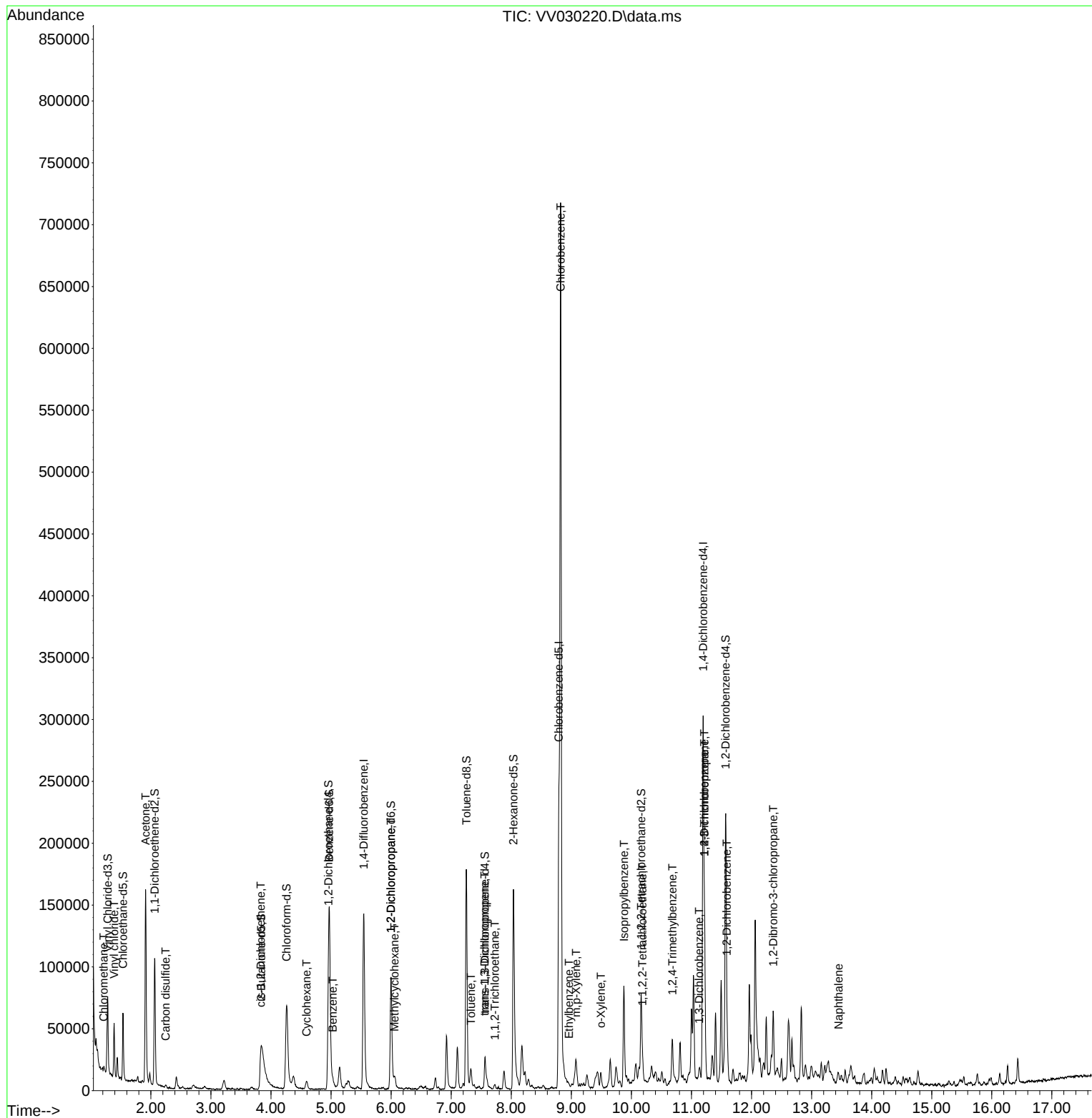
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.683	105	13989	0.405	ug/L #	76
64) 1,3-Dichlorobenzene	11.130	146	1610	0.075	ug/L #	91
65) 1,4-Dichlorobenzene	11.217	146	47032	2.176	ug/L	95
67) 1,2-Dichlorobenzene	11.590	146	4539	0.240	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	12.361	75	475	0.444	ug/L #	1
71) Naphthalene	13.451	128	3903	0.209	ug/L #	88

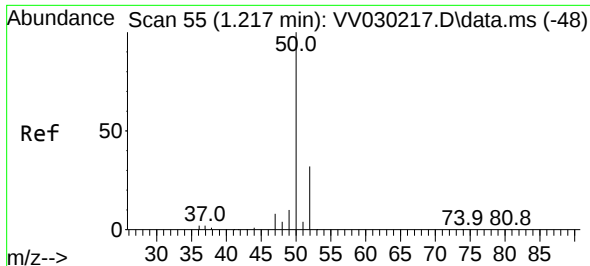
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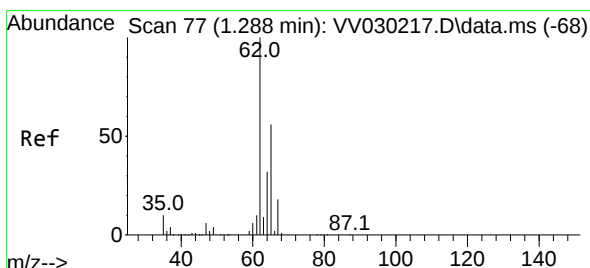
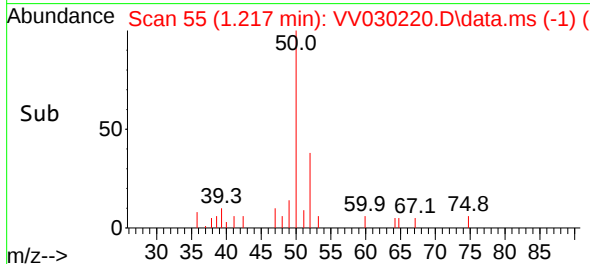
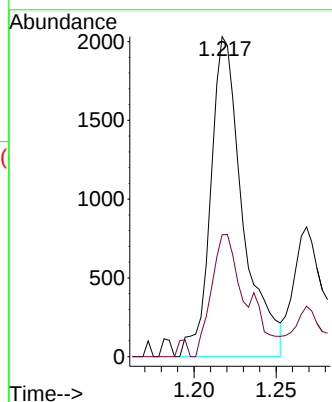
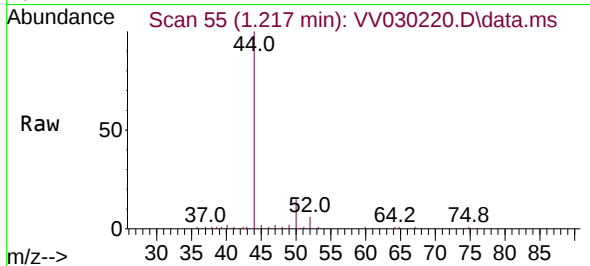




#3
Chloromethane
Concen: 0.175 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

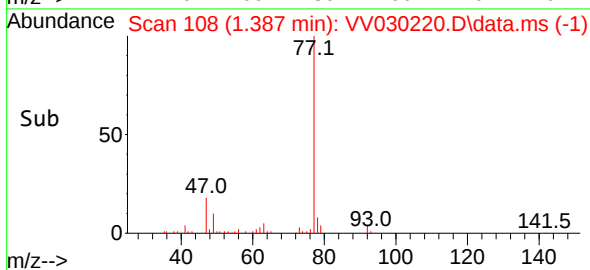
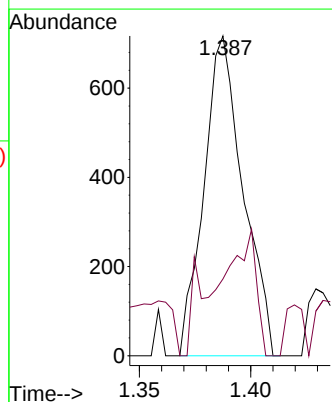
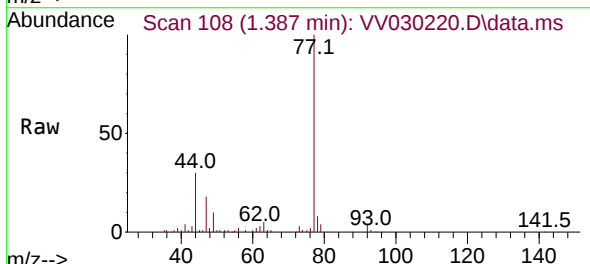
Instrument :
MSVOA_V
ClientSampleId :
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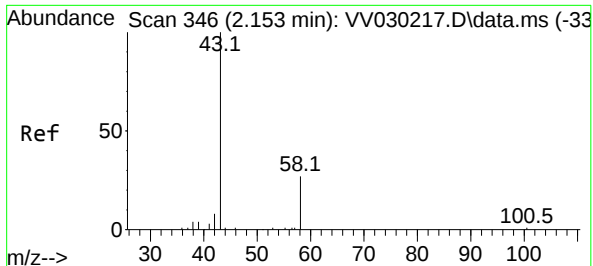
Tgt Ion: 50 Resp: 2768
Ion Ratio Lower Upper
50 100
52 38.1 23.6 43.8



#5
Vinyl chloride
Concen: 0.083 ug/L
RT: 1.387 min Scan# 108
Delta R.T. 0.100 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion: 62 Resp: 877
Ion Ratio Lower Upper
62 100
64 24.0 23.1 42.9





#13

Acetone

Concen: 15.805 ug/L

RT: 1.912 min Scan# 21

Delta R.T. -0.241 min

Lab File: VV030220.D

Acq: 16 Mar 2023 13:23

Instrument :

MSVOA_V

ClientSampleId :

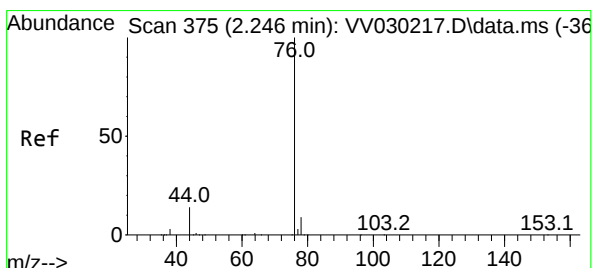
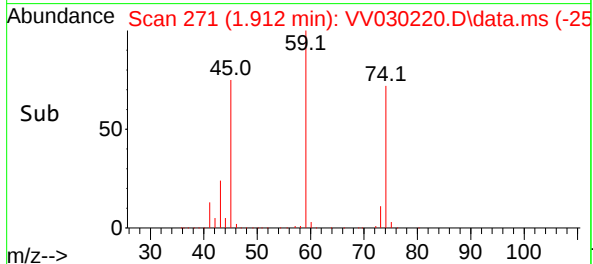
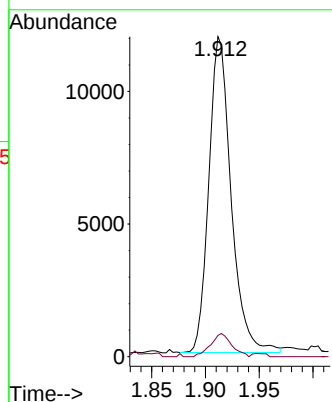
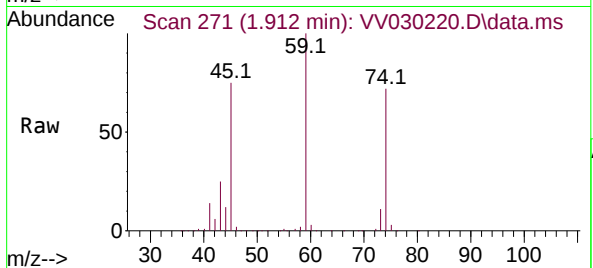
CB927

Tgt Ion: 43 Resp: 17204

Ion Ratio Lower Upper

43 100

58 6.9 0.0 29.4



#14

Carbon disulfide

Concen: 0.149 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030220.D

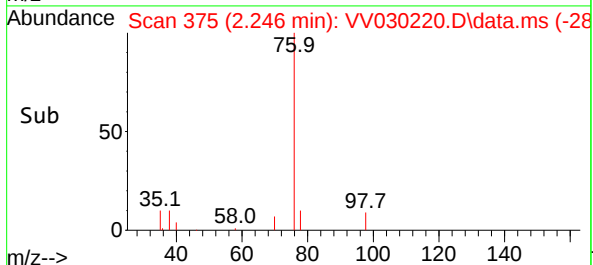
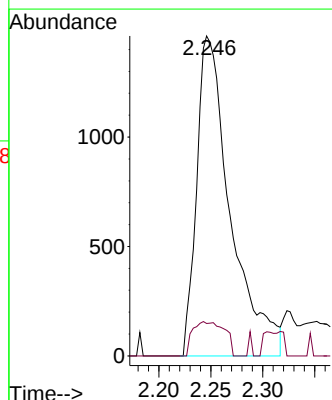
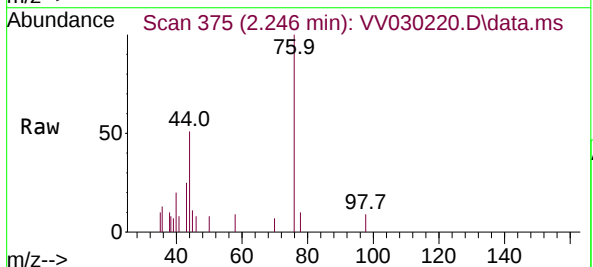
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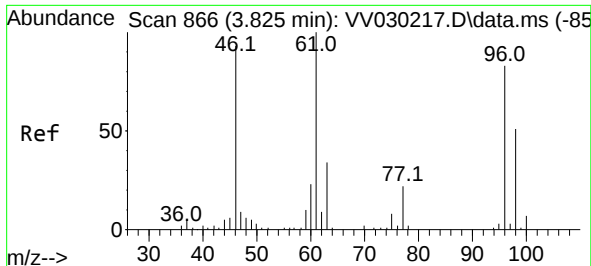
Tgt Ion: 76 Resp: 3303

Ion Ratio Lower Upper

76 100

78 10.1 7.7 11.5

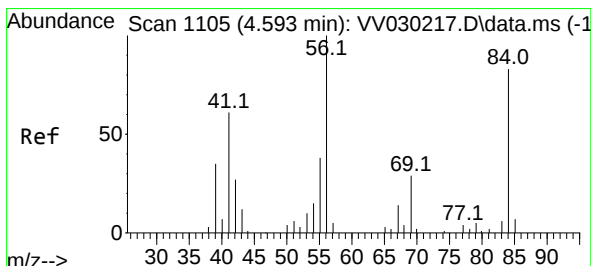
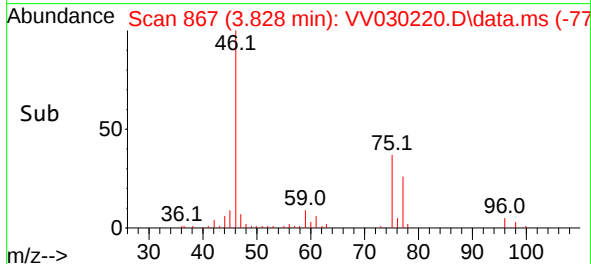
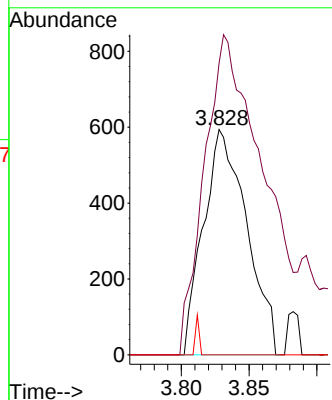
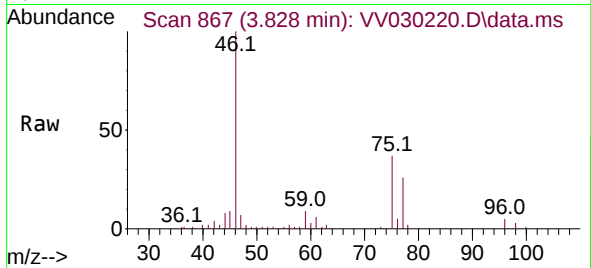




#22
 cis-1,2-Dichloroethene
 Concen: 0.152 ug/L
 RT: 3.828 min Scan# 867
 Delta R.T. 0.003 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

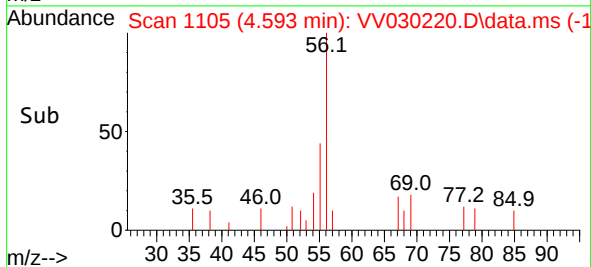
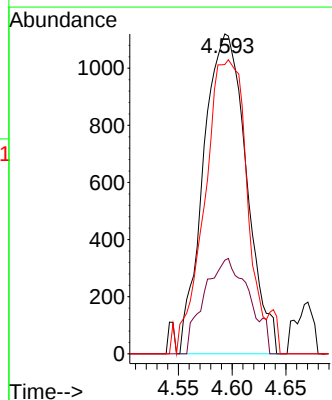
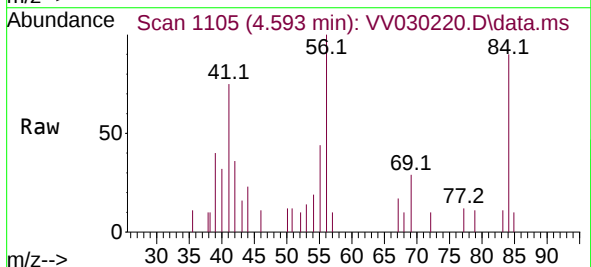
Instrument :
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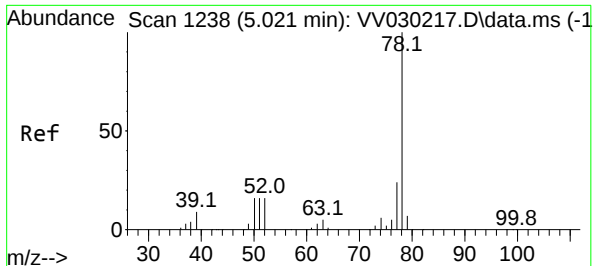
Tgt Ion: 96	Resp:	1321	
Ion	Ratio	Lower	Upper
96	100		
61	129.5	83.4	154.8
68	0.0	0.0	0.0



#30
 Cyclohexane
 Concen: 0.257 ug/L
 RT: 4.593 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

Tgt Ion: 56	Resp:	3118	
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.1	37.7
84	90.2	74.6	111.8

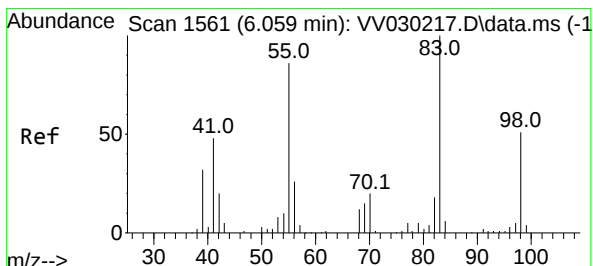
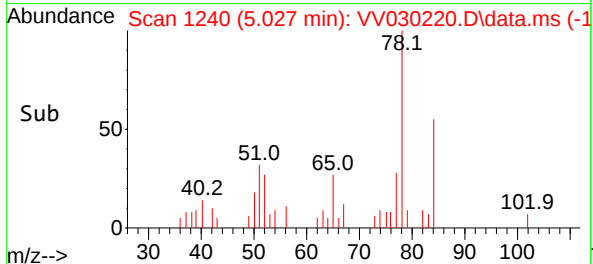
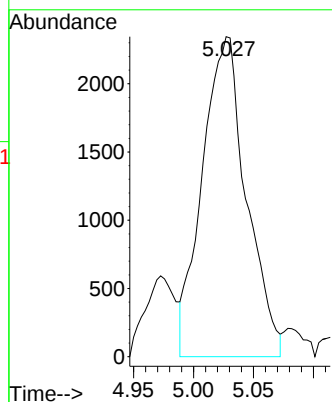
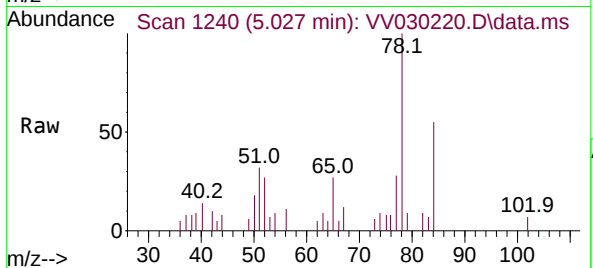




#33
Benzene
Concen: 0.183 ug/L
RT: 5.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

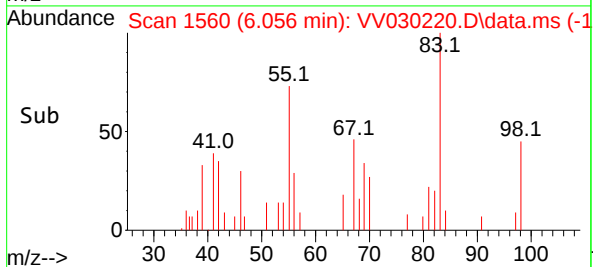
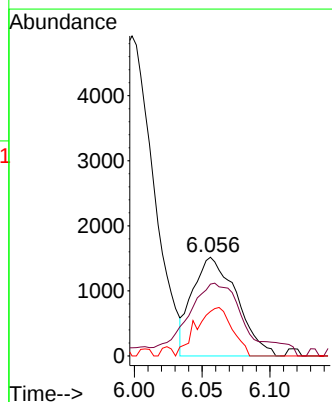
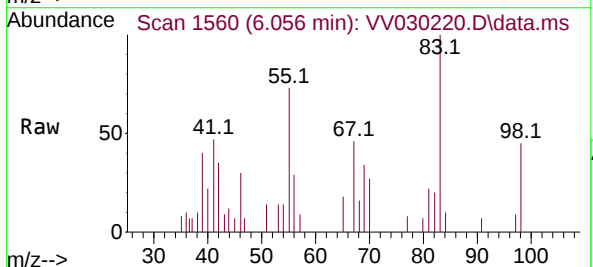
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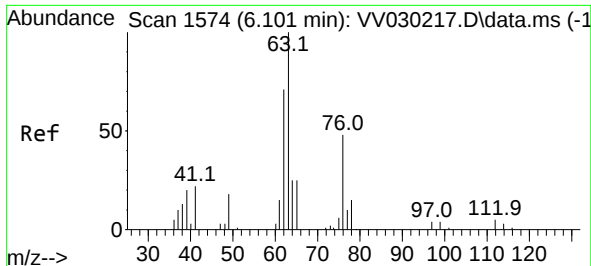
Tgt Ion: 78 Resp: 5989



#35
Methylcyclohexane
Concen: 0.250 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion: 83 Resp: 3457
Ion Ratio Lower Upper
83 100
55 95.5 57.6 86.4#
98 39.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 0.626 ug/L

RT: 5.998 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV030220.D

Acq: 16 Mar 2023 13:23

Instrument :

MSVOA_V

ClientSampleId :

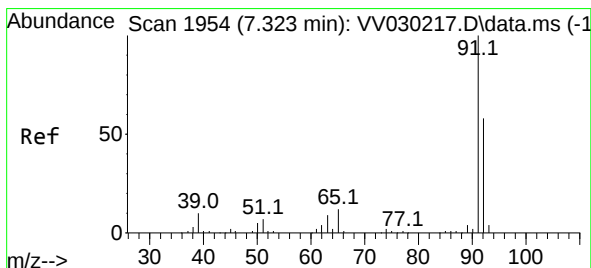
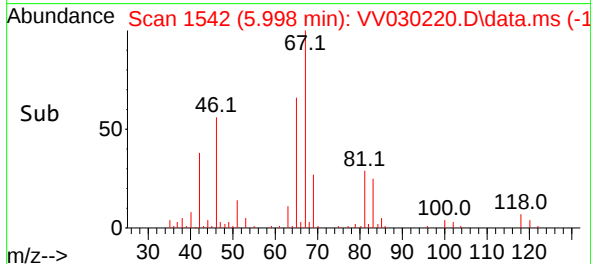
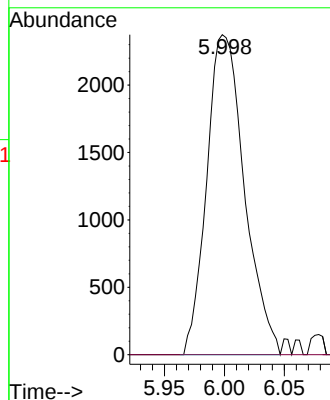
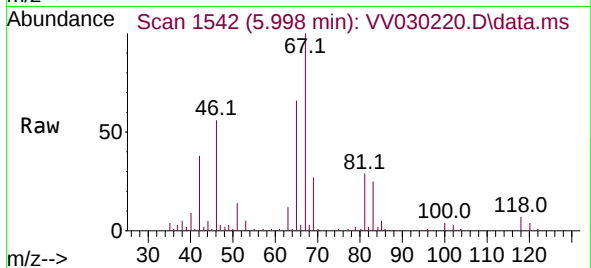
CB927

Tgt Ion: 63 Resp: 5199

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#42

Toluene

Concen: 0.294 ug/L

RT: 7.329 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VV030220.D

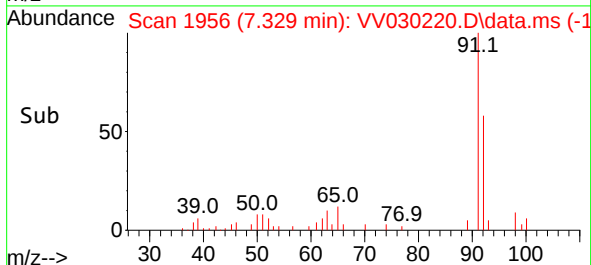
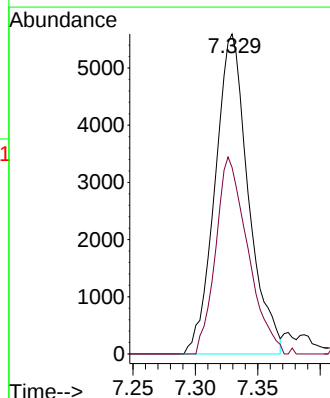
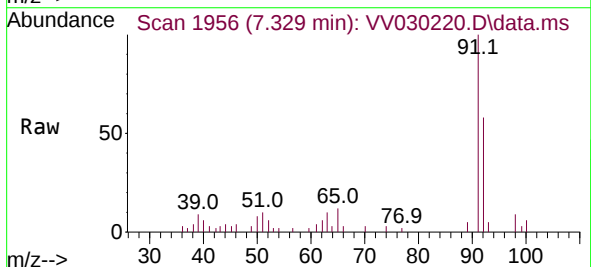
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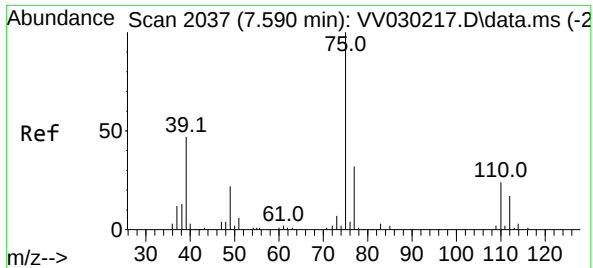
Tgt Ion: 91 Resp: 10407

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6

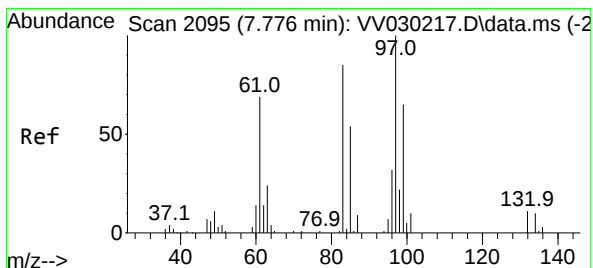
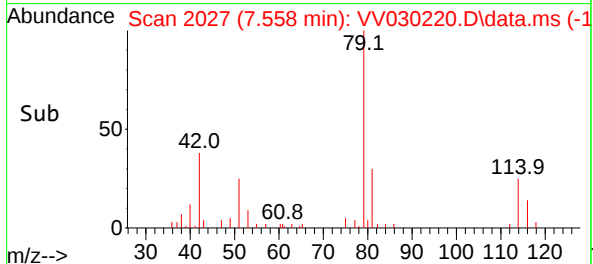
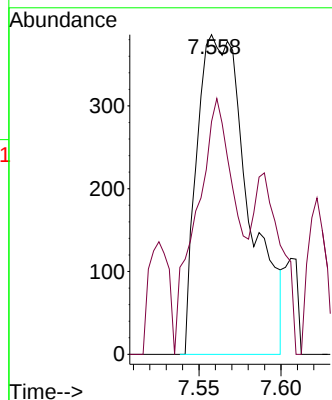
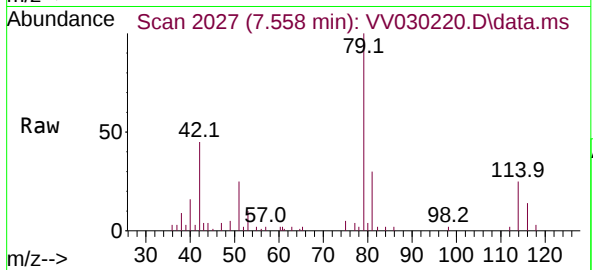




#44
trans-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.558 min Scan# 2037
Delta R.T. -0.032 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

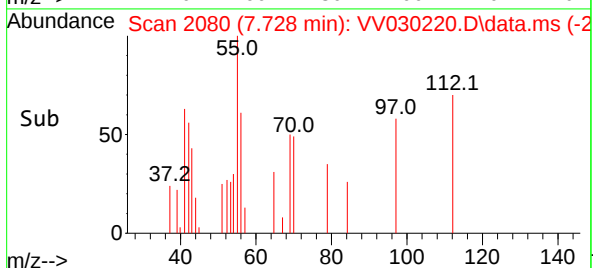
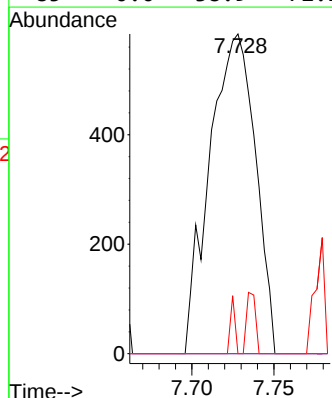
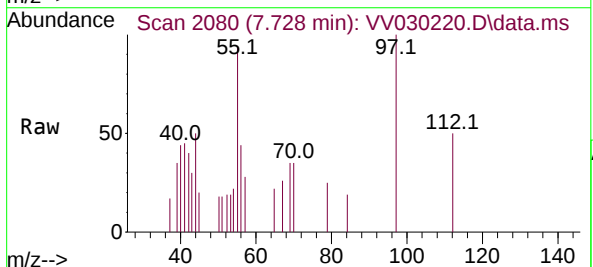
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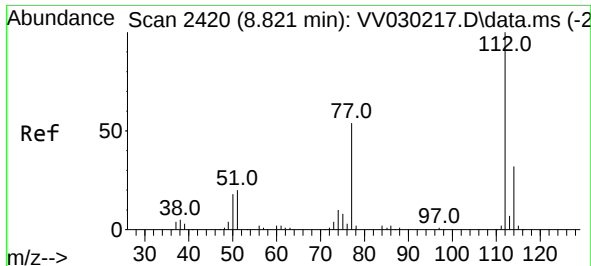
Tgt Ion: 75 Resp: 837
Ion Ratio Lower Upper
75 100
77 72.8 22.1 41.1#



#45
1,1,2-Trichloroethane
Concen: 0.191 ug/L
RT: 7.728 min Scan# 2080
Delta R.T. -0.048 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion: 97 Resp: 1133
Ion Ratio Lower Upper
97 100
99 0.0 42.6 79.2#
83 0.0 57.7 107.3#
85 0.0 38.9 72.2#

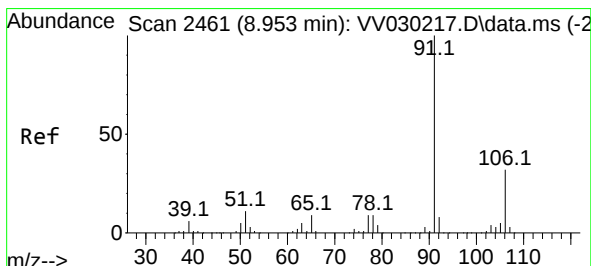
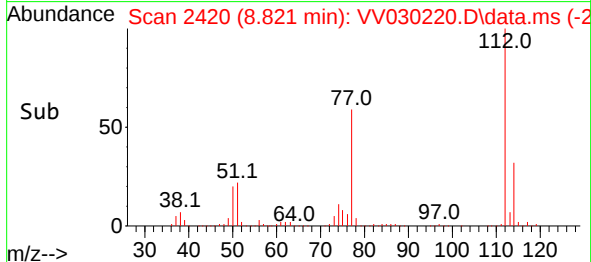
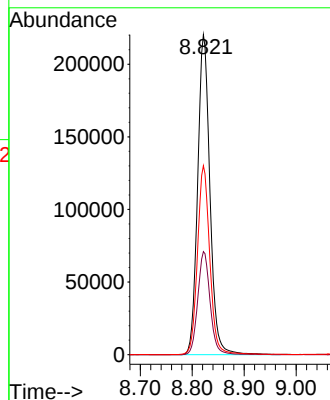
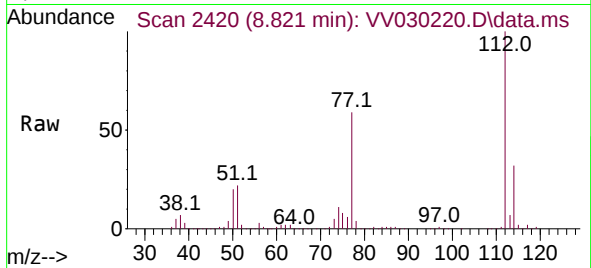




#51
Chlorobenzene
Concen: 15.182 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

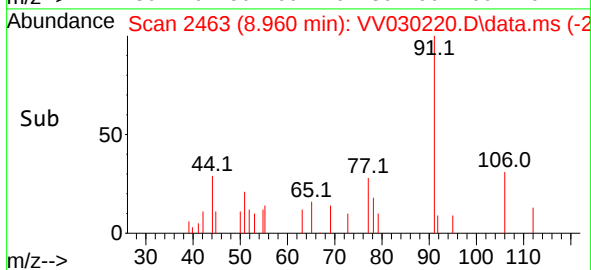
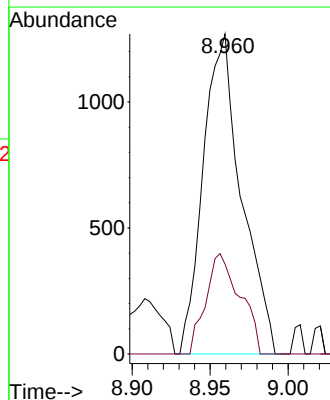
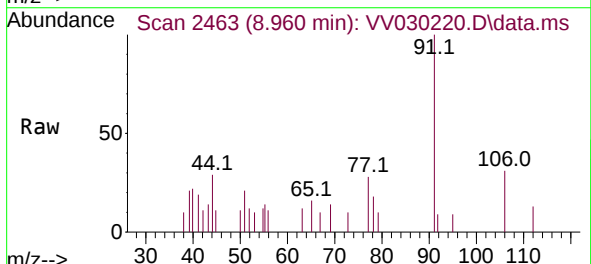
Instrument :
MSVOA_V
ClientSampleId :
CB927

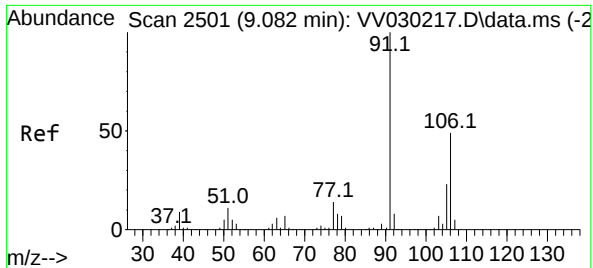
Tgt Ion:112 Resp: 362141
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.7
77 59.1 45.3 67.9



#52
Ethylbenzene
Concen: 0.056 ug/L
RT: 8.960 min Scan# 2463
Delta R.T. 0.006 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion: 91 Resp: 2167
Ion Ratio Lower Upper
91 100
106 28.1 22.0 40.8

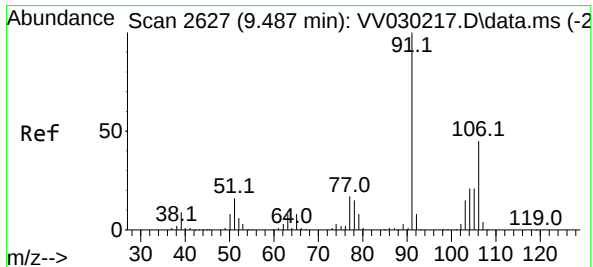
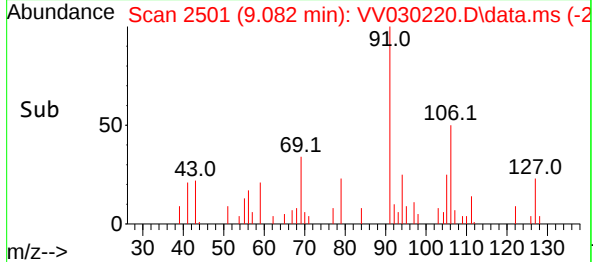
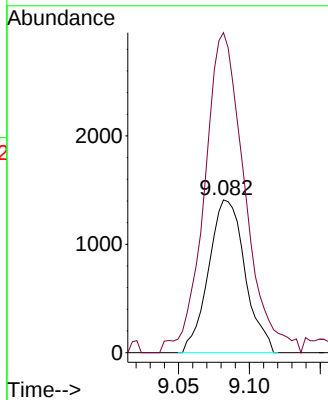
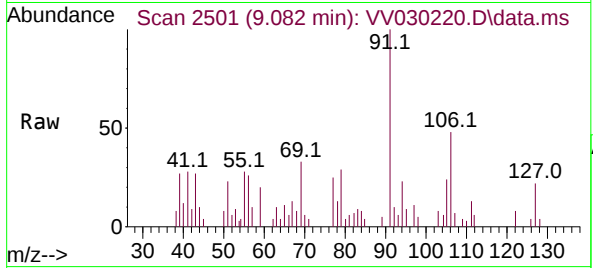




#53
 m,p-Xylene
 Concen: 0.170 ug/L
 RT: 9.082 min Scan# 2501
 Delta R.T. 0.000 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

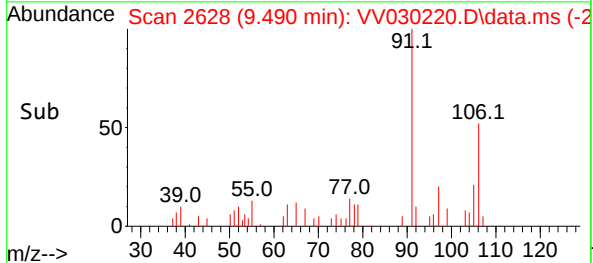
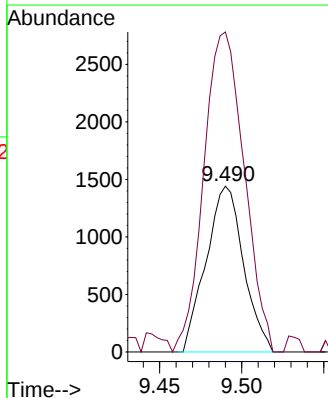
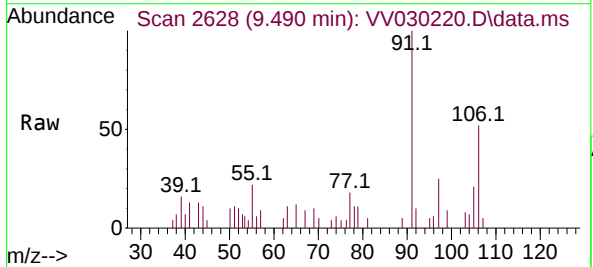
Instrument :
 MSVOA_V
 ClientSampleId :
 CB927

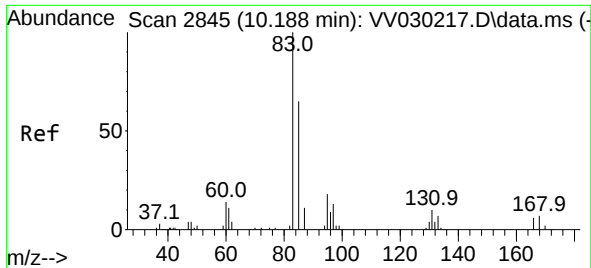
Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.4	142.5	264.7



#54
 o-Xylene
 Concen: 0.162 ug/L
 RT: 9.490 min Scan# 2628
 Delta R.T. 0.003 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.1	148.8	276.4

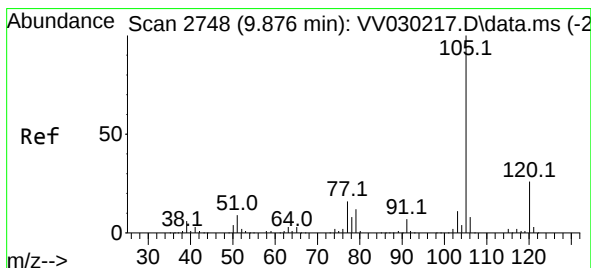
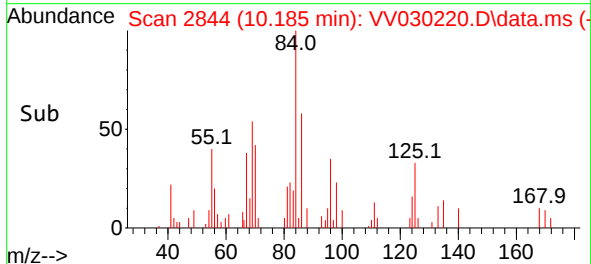
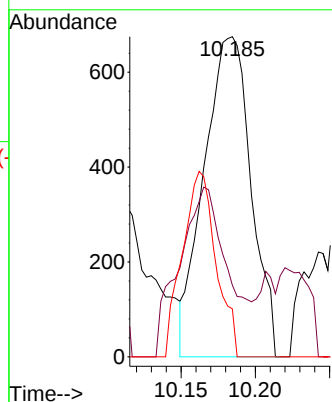
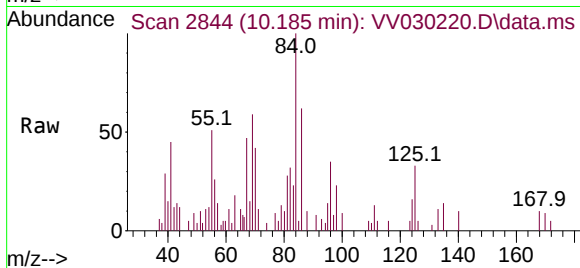




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.224 ug/L
 RT: 10.185 min Scan# 2148
 Delta R.T. -0.003 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

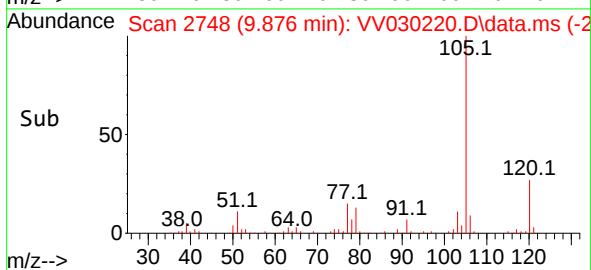
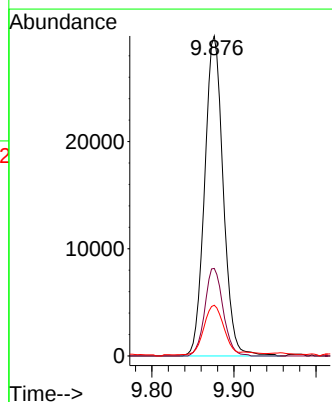
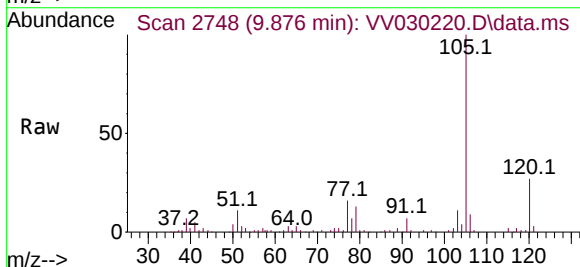
Instrument :
 MSVOA_V
 ClientSampleId :
 CB927

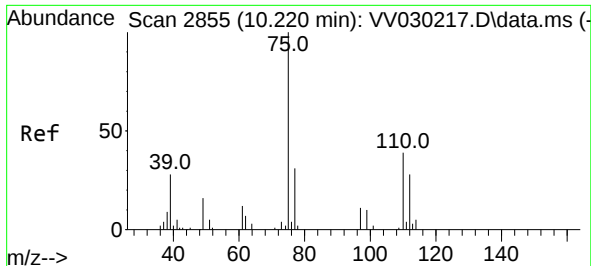
Tgt Ion: 83 Resp: 1487
 Ion Ratio Lower Upper
 83 100
 85 22.4 45.0 83.6#
 131 15.0 8.2 12.4#



#60
 Isopropylbenzene
 Concen: 1.144 ug/L
 RT: 9.876 min Scan# 2748
 Delta R.T. 0.000 min
 Lab File: VV030220.D
 Acq: 16 Mar 2023 13:23

Tgt Ion: 105 Resp: 47086
 Ion Ratio Lower Upper
 105 100
 120 27.0 21.4 32.0
 77 16.5 12.1 18.1





#61

1,2,3-Trichloropropane

Concen: 4.698 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.997 min

Lab File: VV030220.D

Acq: 16 Mar 2023 13:23

Instrument :

MSVOA_V

ClientSampleId :

CB927

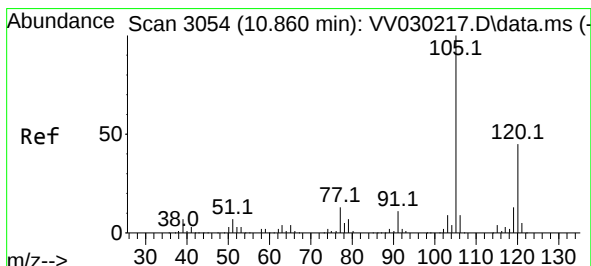
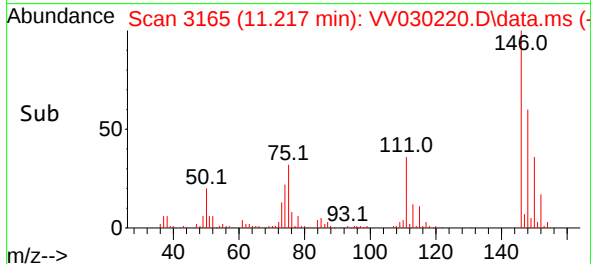
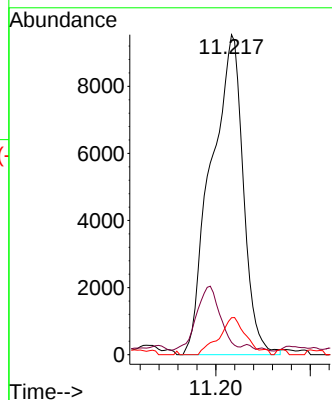
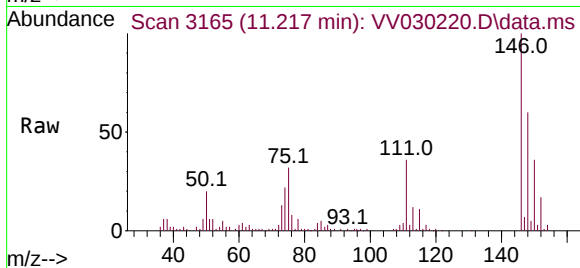
Tgt Ion: 75 Resp: 22489

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

110 9.8 31.8 47.6#



#63

1,2,4-Trimethylbenzene

Concen: 0.405 ug/L

RT: 10.683 min Scan# 2999

Delta R.T. -0.177 min

Lab File: VV030220.D

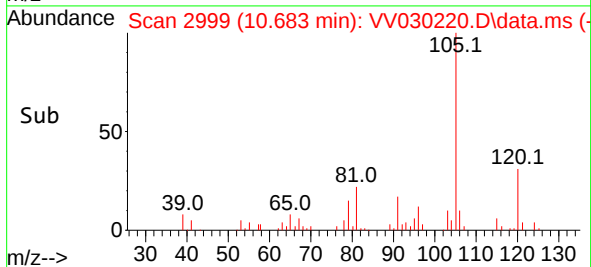
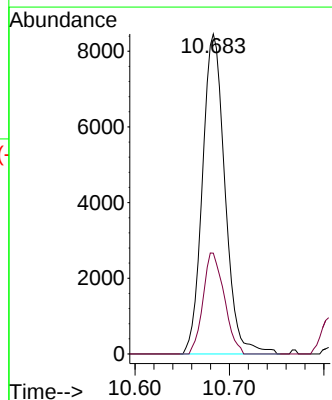
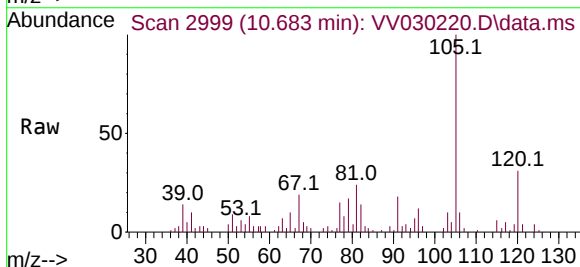
Acq: 16 Mar 2023 13:23

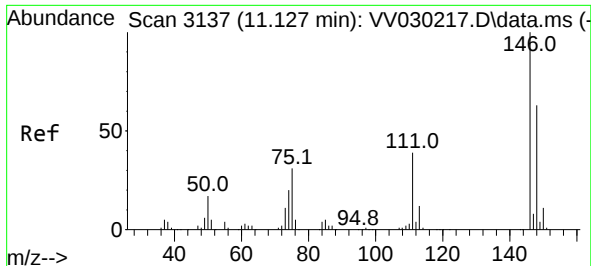
Tgt Ion: 105 Resp: 13989

Ion Ratio Lower Upper

105 100

120 29.6 36.2 54.4#

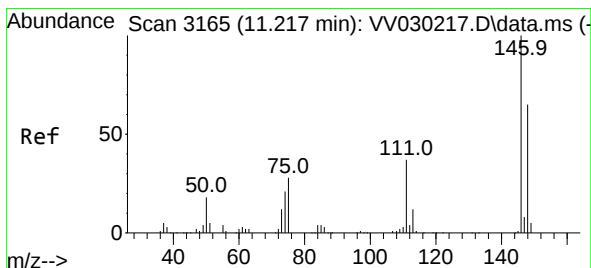
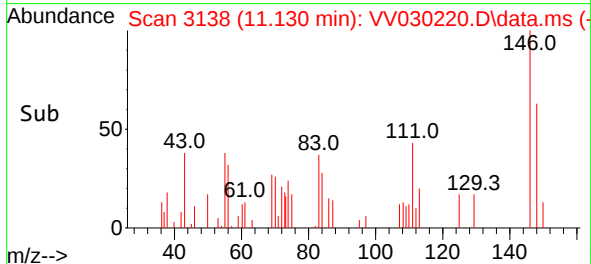
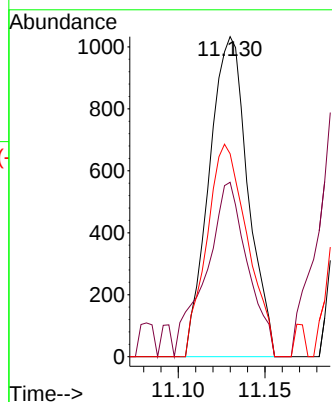
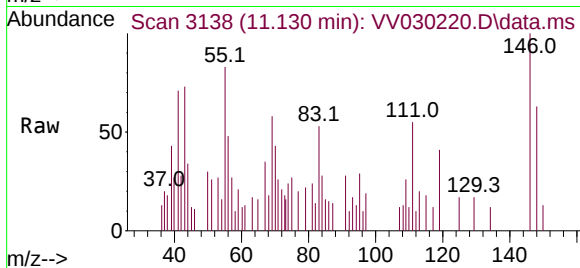




#64
1,3-Dichlorobenzene
Concen: 0.075 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.003 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

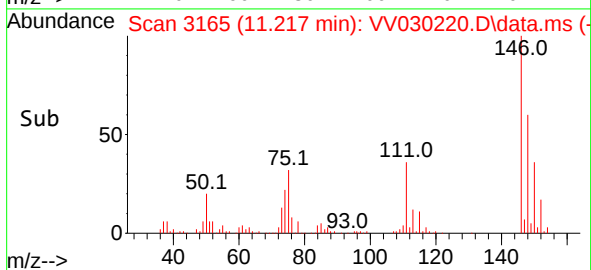
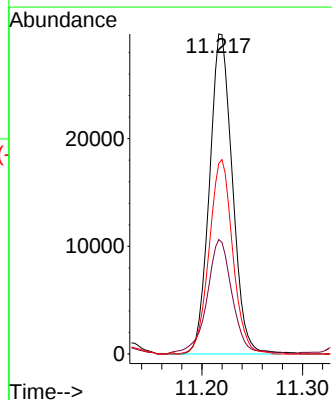
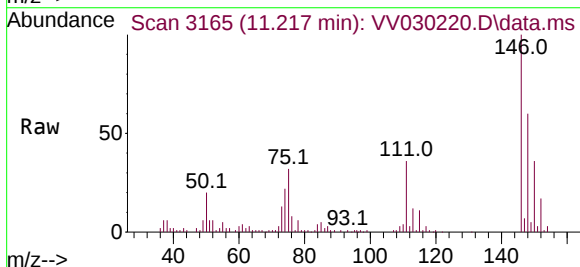
Instrument :
MSVOA_V
ClientSampleId :
CB927

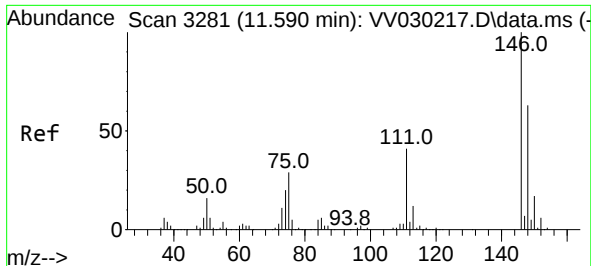
Tgt Ion:146 Resp: 1610
Ion Ratio Lower Upper
146 100
111 54.5 27.7 51.5#
148 63.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.176 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion:146 Resp: 47032
Ion Ratio Lower Upper
146 100
111 35.8 27.4 51.0
148 59.5 44.1 81.9

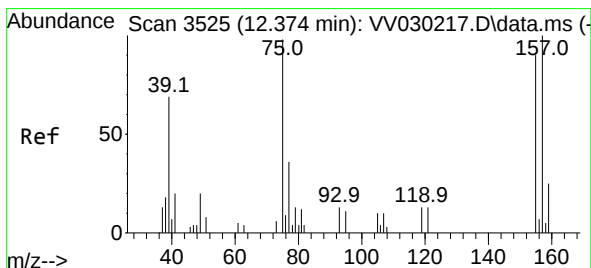
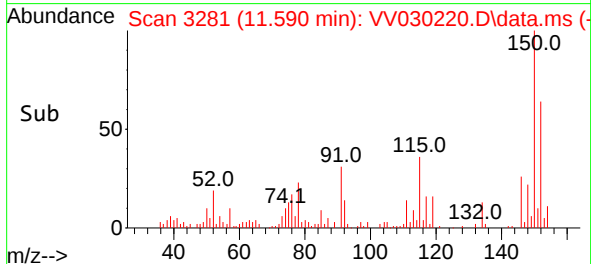
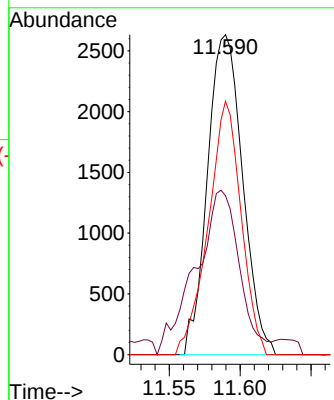
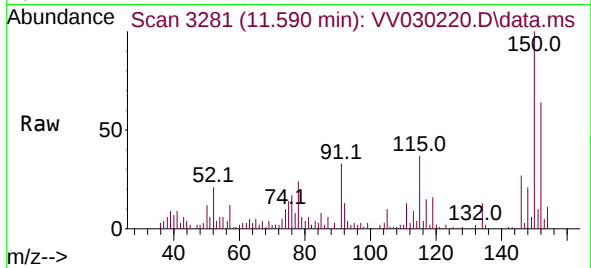




#67
1,2-Dichlorobenzene
Concen: 0.240 ug/L
RT: 11.590 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

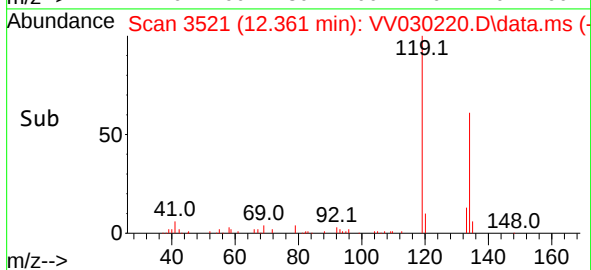
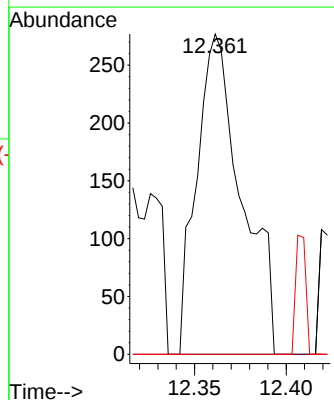
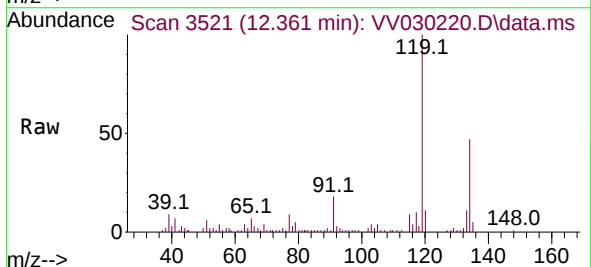
Instrument :
MSVOA_V
ClientSampleId :
CB927

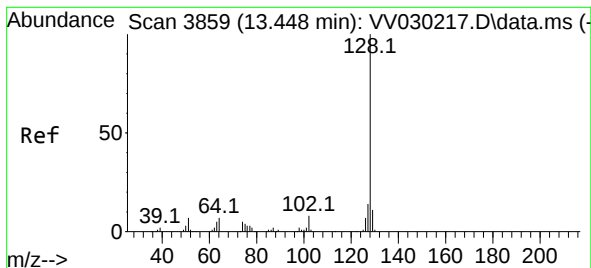
Tgt Ion:146 Resp: 4539
Ion Ratio Lower Upper
146 100
111 49.7 33.5 50.3
148 79.2 51.3 76.9#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.444 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. -0.013 min
Lab File: VV030220.D
Acq: 16 Mar 2023 13:23

Tgt Ion: 75 Resp: 475
Ion Ratio Lower Upper
75 100
155 0.0 79.1 118.7#
157 0.0 95.5 143.3#





#71

Naphthalene

Concen: 0.209 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030220.D

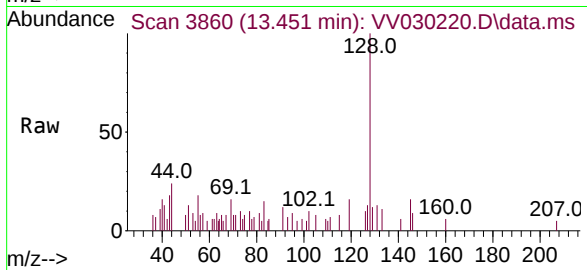
Acq: 16 Mar 2023 13:23

Instrument :

MSVOA_V

ClientSampleId :

CB927



Tgt Ion:	128	Resp:	3903
Ion	Ratio	Lower	Upper
128	100		
129	20.1	8.6	13.0#
127	13.9	10.4	15.6

