

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021723\
 Data File : VW030062.D
 Acq On : 17 Feb 2023 11:47
 Operator : SY/MD
 Sample : VSTD01009
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010209

Quant Time: Feb 20 00:30:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 00:27:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	147718	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	147527	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	86398	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	13533	12.886	ug/L	0.00
7) Chloroethane-d5	1.536	69	11054	13.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	28306	14.089	ug/L	0.00
21) 2-Butanone-d5	3.815	46	14026	21.665	ug/L	0.02
24) Chloroform-d	4.262	84	24176	12.384	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	14220	12.323	ug/L	0.00
32) Benzene-d6	4.973	84	46480	11.863	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	14638	11.749	ug/L	0.00
41) Toluene-d8	7.252	98	42967	11.620	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	7021	11.340	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	11070	19.059	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	22612	12.100	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	18363	11.934	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	26956	17.240	ug/L	98
3) Chloromethane	1.217	50	34764	17.327	ug/L	100
5) Vinyl chloride	1.285	62	23845	17.066	ug/L	97
6) Bromomethane	1.491	94	4733	18.636	ug/L	96
8) Chloroethane	1.552	64	13731	16.844	ug/L	99
9) Trichlorofluoromethane	1.719	101	31524	17.021	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	20019	17.661	ug/L	100
12) 1,1-Dichloroethene	2.076	96	17975	17.628	ug/L	92
13) Acetone	2.121	43	18315	36.408	ug/L	100
14) Carbon disulfide	2.246	76	49369	16.373	ug/L	98
15) Methyl Acetate	2.381	43	17293	16.533	ug/L	97
16) Methylene chloride	2.452	84	19419	17.395	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	17466	16.756	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	53169	16.028	ug/L	97
19) 1,1-Dichloroethane	3.117	63	32090	16.703	ug/L	99
20) cis-1,2-Dichloroethene	3.828	96	18976	16.461	ug/L	97
22) 2-Butanone	3.896	43	19860	28.891	ug/L #	68
23) Bromochloromethane	4.162	128	10025	16.311	ug/L	100
25) Chloroform	4.288	83	32721	16.706	ug/L	96
27) 1,2-Dichloroethane	5.053	62	25081	17.145	ug/L	98
29) Cyclohexane	4.593	56	26769	15.572	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	28947	15.795	ug/L	99
31) Carbon tetrachloride	4.744	117	24602	15.292	ug/L	97
33) Benzene	5.021	78	70860	16.280	ug/L	100
34) Trichloroethene	5.844	95	18144	15.316	ug/L	96
35) Methylcyclohexane	6.059	83	27444	14.593	ug/L	98
37) 1,2-Dichloropropane	6.101	63	19254	16.797	ug/L	100
38) Bromodichloromethane	6.442	83	24394	15.844	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	28523	14.803	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	42215	29.624	ug/L	95
42) Toluene	7.323	91	75025	15.752	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	24855	14.183	ug/L	98

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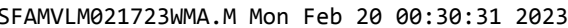
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010209

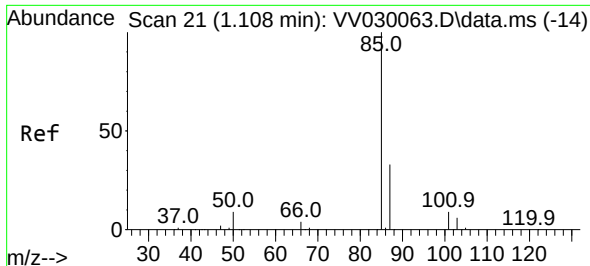
Quant Time: Feb 20 00:30:23 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	19743	16.595	ug/L	97
46) Tetrachloroethene	7.915	164	16166	16.232	ug/L	98
48) 2-Hexanone	8.085	43	29703	27.466	ug/L	99
49) Dibromochloromethane	8.185	129	18688	15.144	ug/L	97
50) 1,2-Dibromoethane	8.294	107	21149	16.204	ug/L	98
51) Chlorobenzene	8.821	112	51290	16.159	ug/L	98
52) Ethylbenzene	8.953	91	79688	15.111	ug/L	99
53) m,p-Xylene	9.082	106	29700	14.741	ug/L	95
54) o-Xylene	9.487	106	29023	14.947	ug/L	97
55) Styrene	9.506	104	48736	14.693	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.188	83	31055	15.968	ug/L	98
59) Bromoform	9.673	173	12576	14.699	ug/L	99
60) Isopropylbenzene	9.876	105	77634	15.110	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	24287	16.990	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	61974	14.564	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	61089	14.607	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	42324	16.347	ug/L	96
65) 1,4-Dichlorobenzene	11.220	146	41730	15.751	ug/L	100
67) 1,2-Dichlorobenzene	11.590	146	41252	16.002	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.378	75	6174	14.804	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	30242	14.637	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	27884	14.359	ug/L	100
71) Naphthalene	13.451	128	72730	12.912	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	27448	14.402	ug/L	100

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

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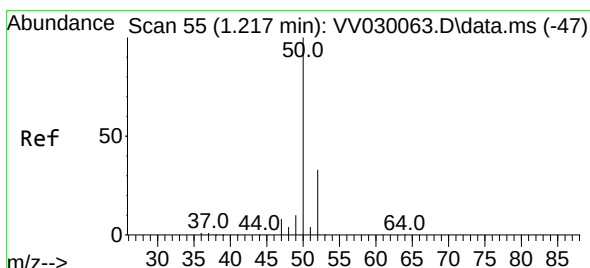
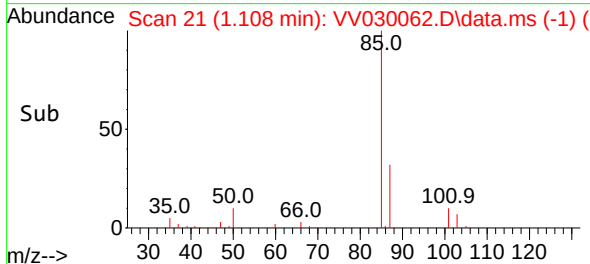
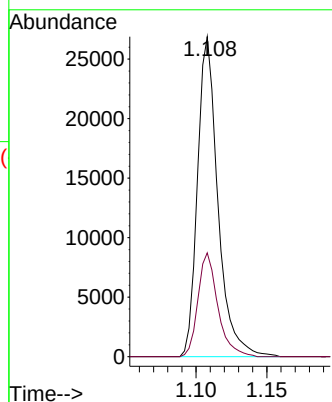
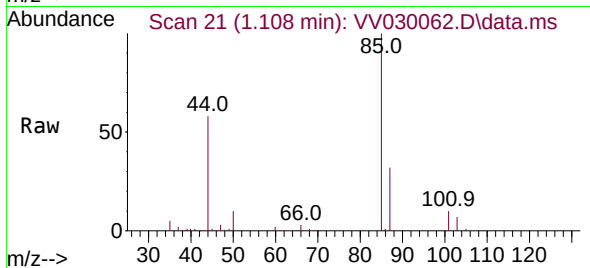




#2
 Dichlorodifluoromethane
 Concen: 17.240 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

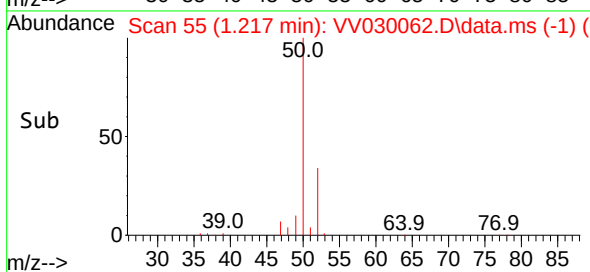
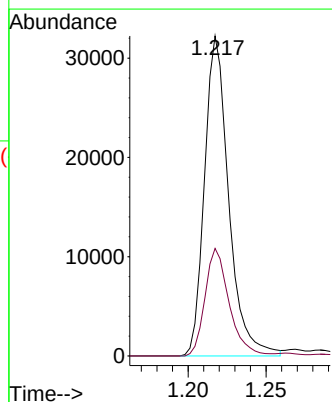
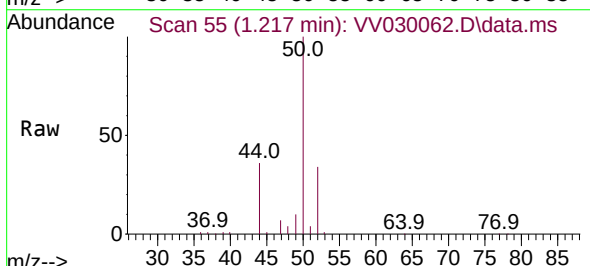
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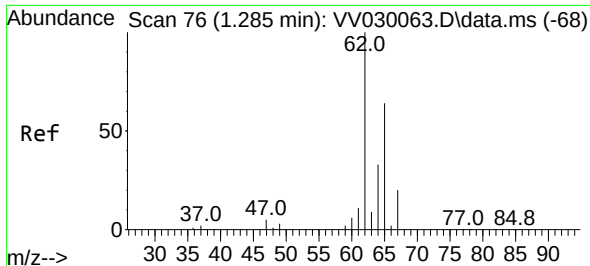
Tgt Ion: 85 Resp: 26956
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.0 39.0



#3
 Chloromethane
 Concen: 17.327 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

Tgt Ion: 50 Resp: 34764
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.4

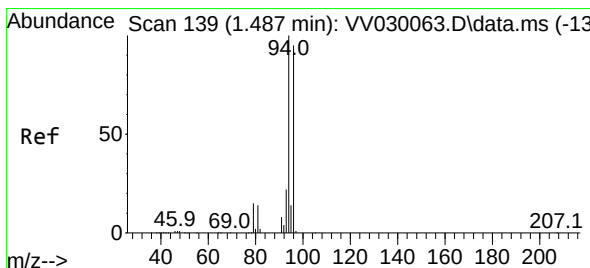
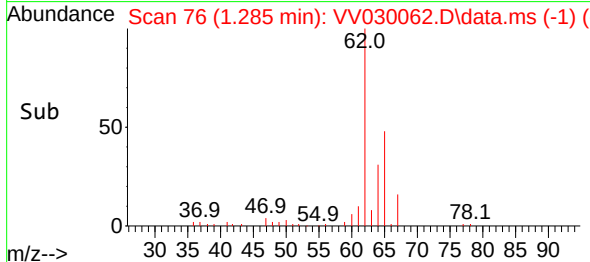
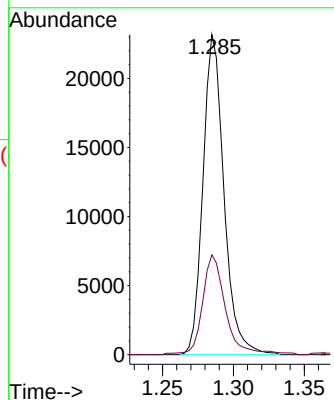
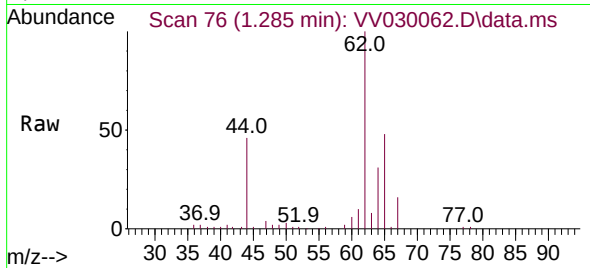




#5
 Vinyl chloride
 Concen: 17.066 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

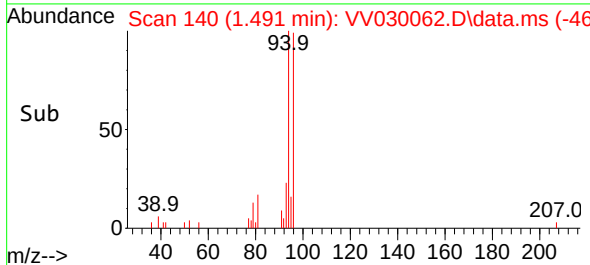
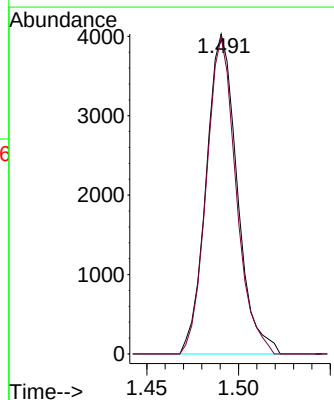
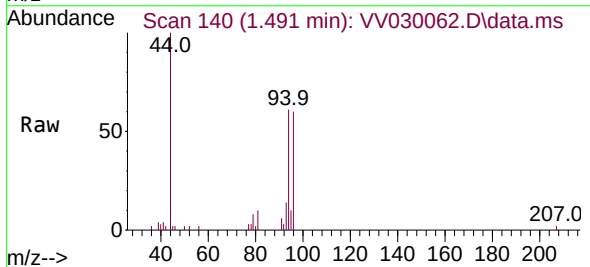
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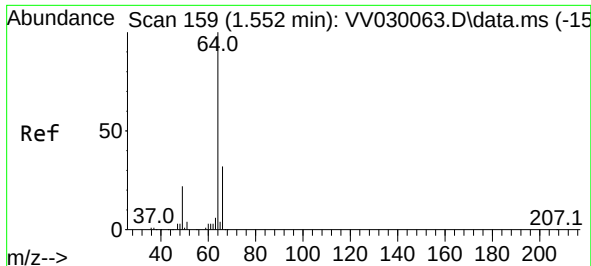
Tgt Ion: 62 Resp: 23845
 Ion Ratio Lower Upper
 62 100
 64 31.2 22.9 42.5



#6
 Bromomethane
 Concen: 18.636 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

Tgt Ion: 94 Resp: 4733
 Ion Ratio Lower Upper
 94 100
 96 99.0 66.7 123.9

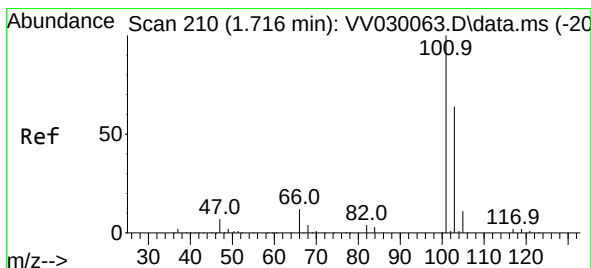
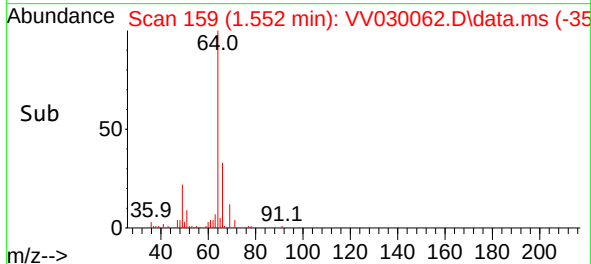
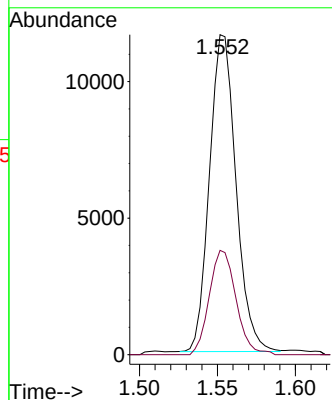
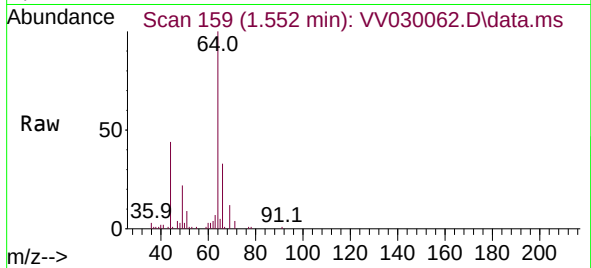




#8
Chloroethane
Concen: 16.844 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

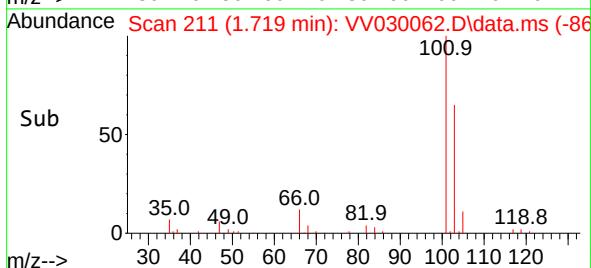
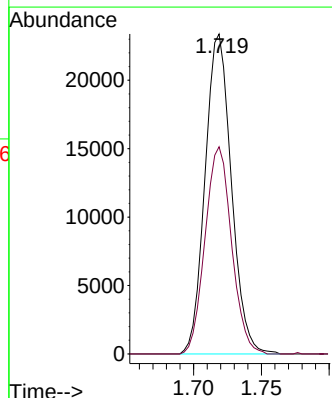
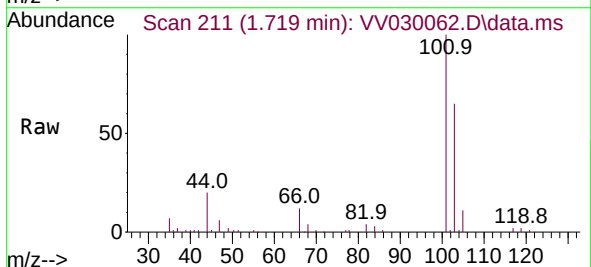
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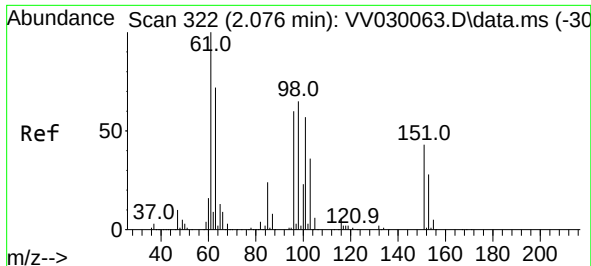
Tgt Ion: 64 Resp: 13731
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 17.021 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:101 Resp: 31524
Ion Ratio Lower Upper
101 100
103 65.3 52.6 78.8

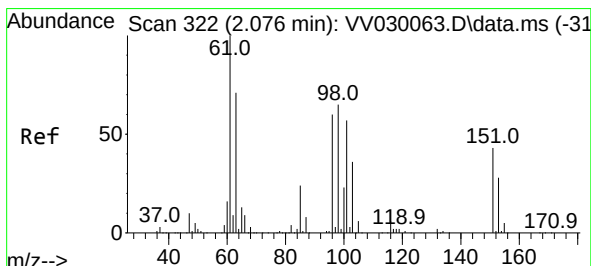
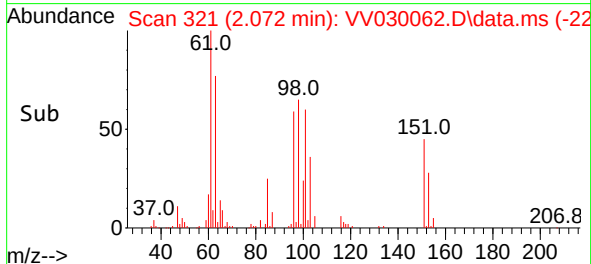
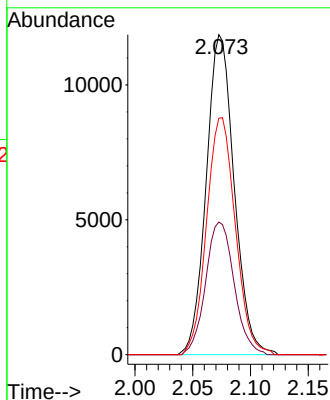
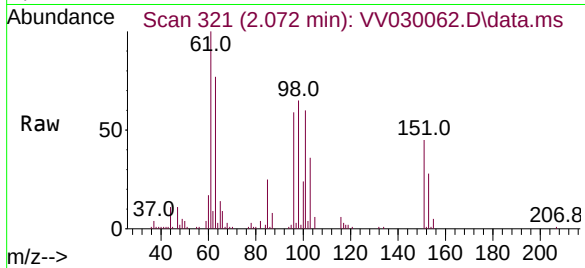




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 17.661 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

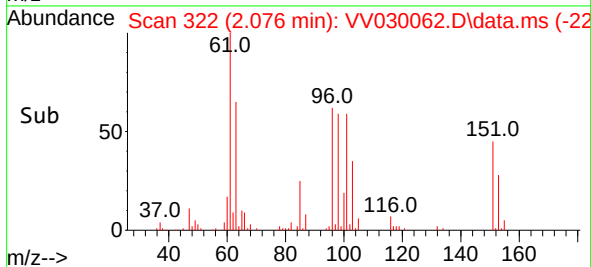
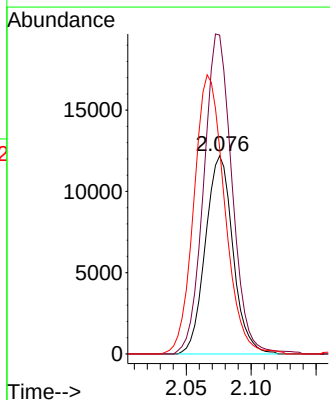
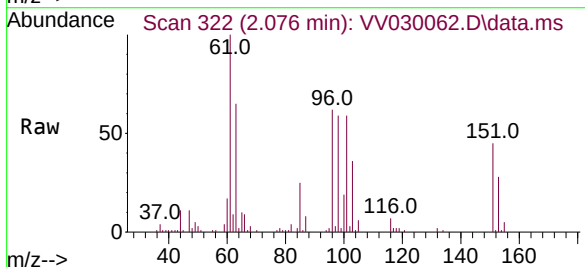
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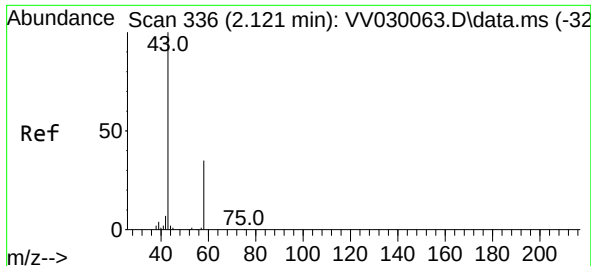
Tgt Ion:101 Resp: 20019
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.4 50.2
 151 76.1 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 17.628 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

Tgt Ion: 96 Resp: 17975
 Ion Ratio Lower Upper
 96 100
 61 160.9 115.8 215.2
 63 104.0 83.4 154.8





#13

Acetone

Concen: 36.408 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

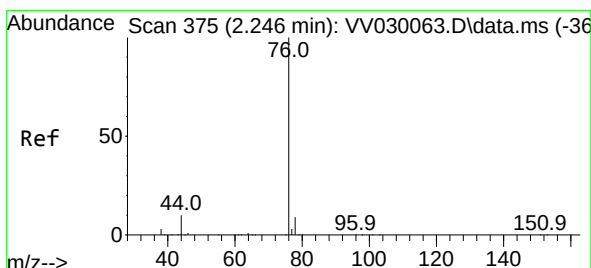
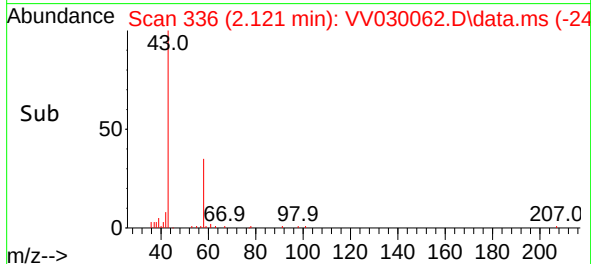
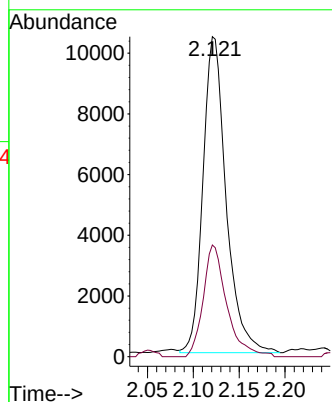
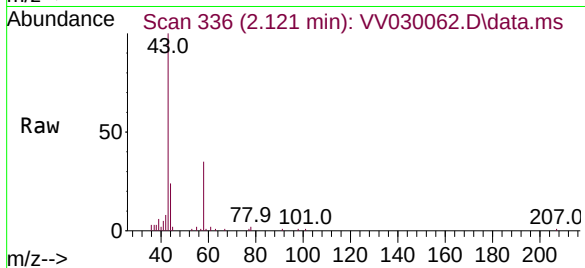
VSTD010209

Tgt Ion: 43 Resp: 18315

Ion Ratio Lower Upper

43 100

58 35.5 0.0 70.6



#14

Carbon disulfide

Concen: 16.373 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030062.D

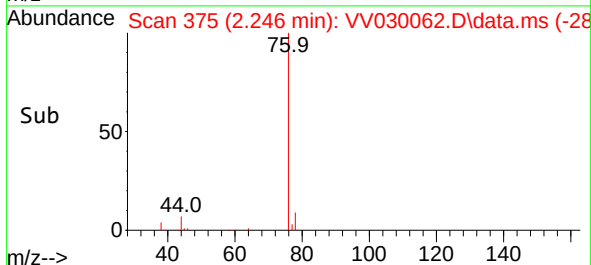
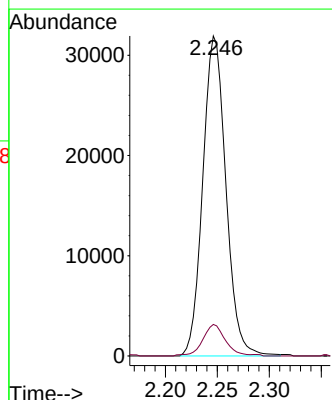
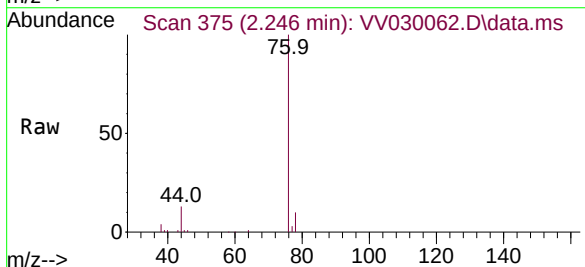
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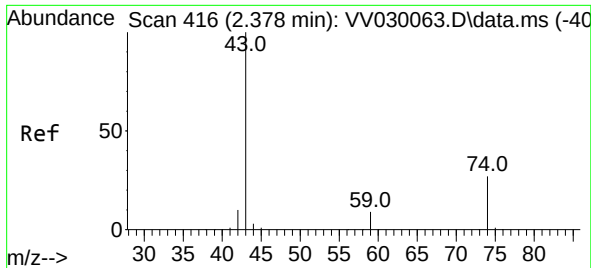
Tgt Ion: 76 Resp: 49369

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

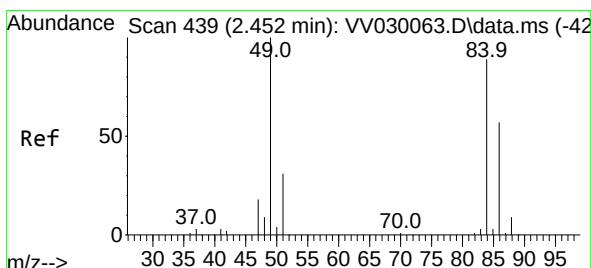
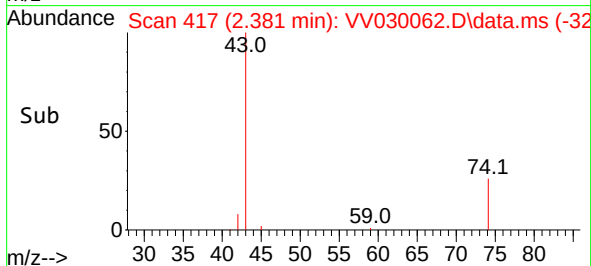
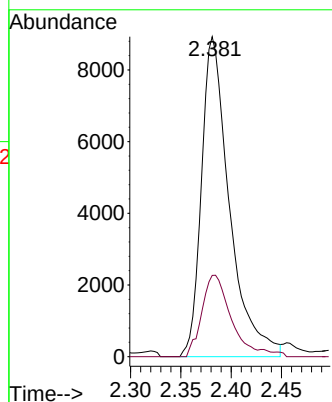
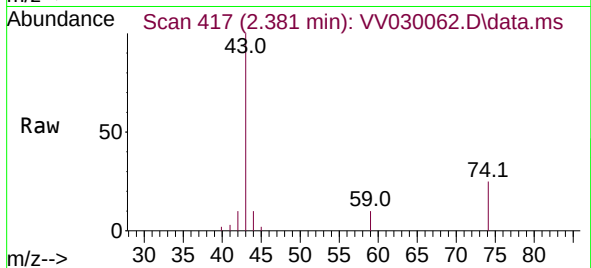




#15
Methyl Acetate
Concen: 16.533 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

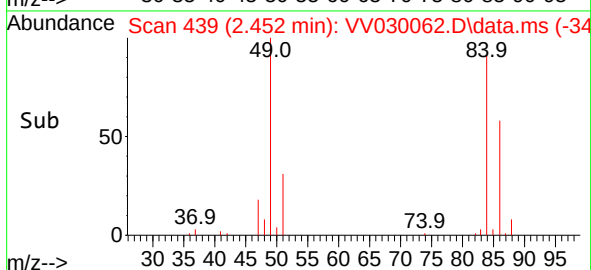
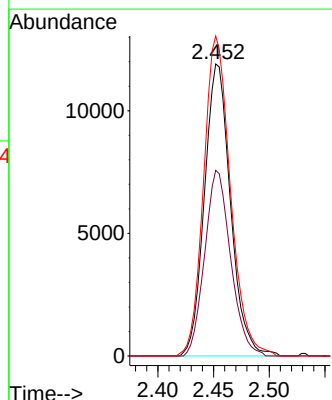
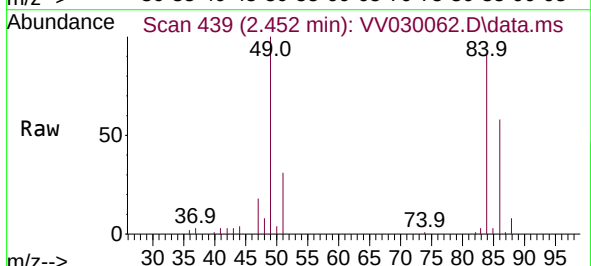
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ClientSampleId :
VSTD010209

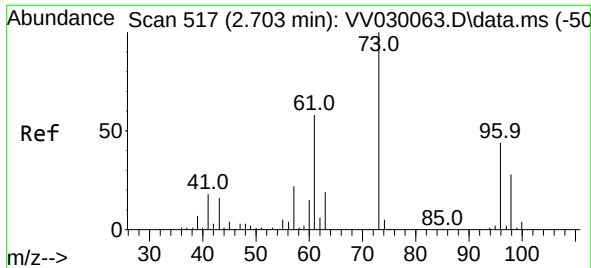
Tgt Ion: 43 Resp: 17293
Ion Ratio Lower Upper
43 100
74 25.8 21.9 32.9



#16
Methylene chloride
Concen: 17.395 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 84 Resp: 19419
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.7
49 109.6 78.7 146.1

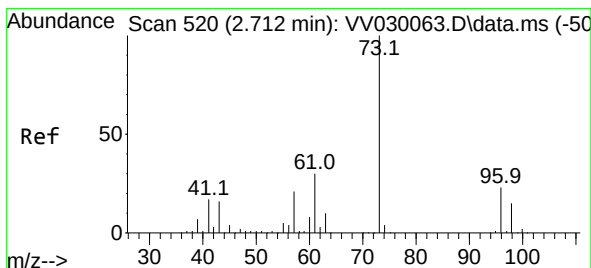
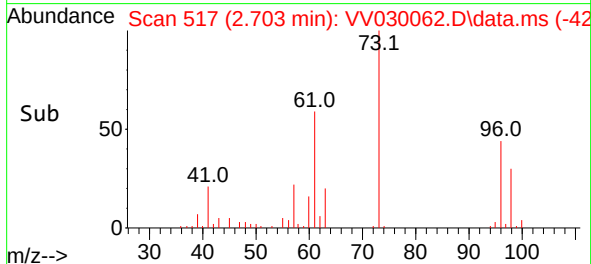
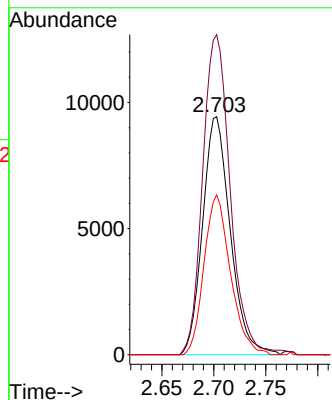
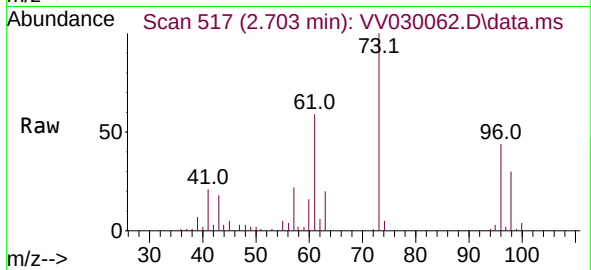




#17
trans-1,2-Dichloroethene
Concen: 16.756 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

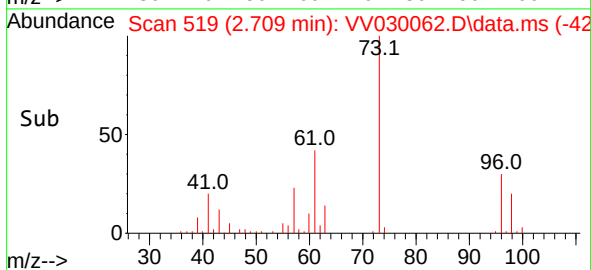
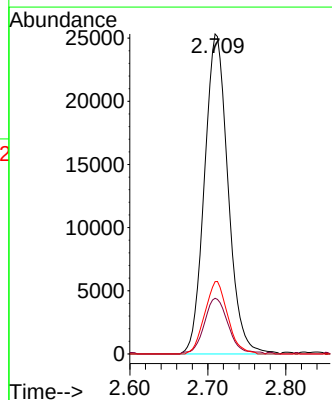
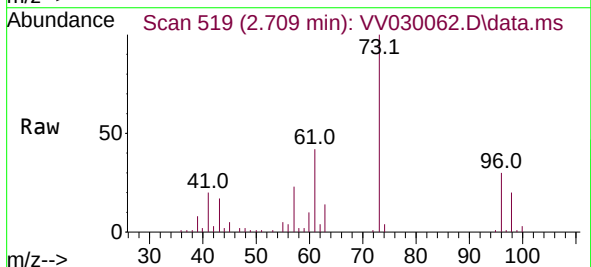
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

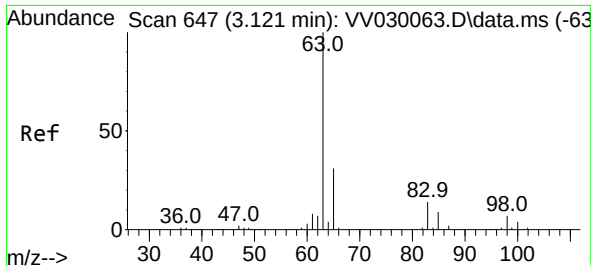
Tgt Ion: 96 Resp: 17466
Ion Ratio Lower Upper
96 100
61 134.5 93.3 173.3
98 67.1 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 16.028 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 73 Resp: 53169
Ion Ratio Lower Upper
73 100
43 17.6 12.7 19.1
57 22.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 16.703 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD010209

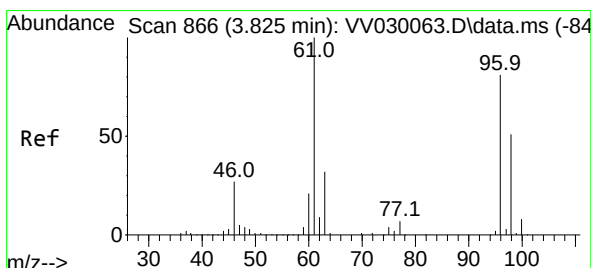
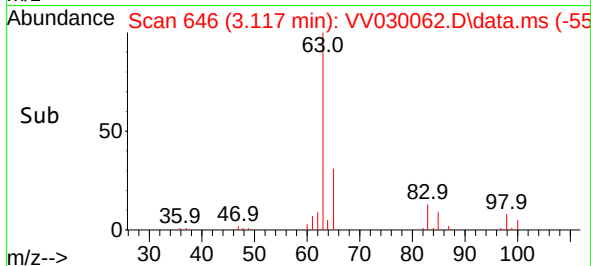
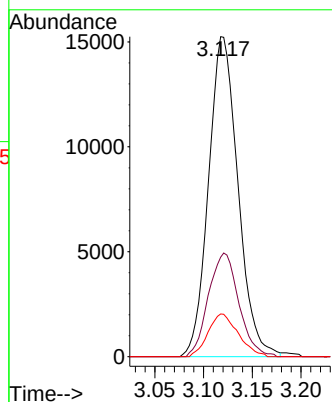
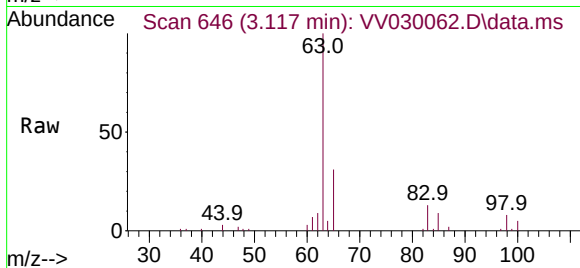
Tgt Ion: 63 Resp: 32090

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 13.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 16.461 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

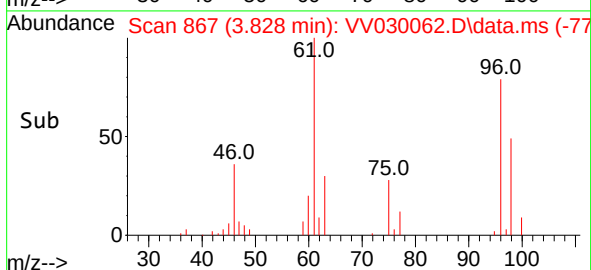
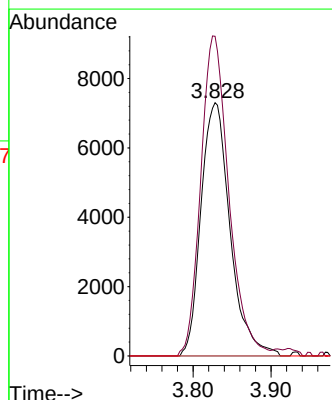
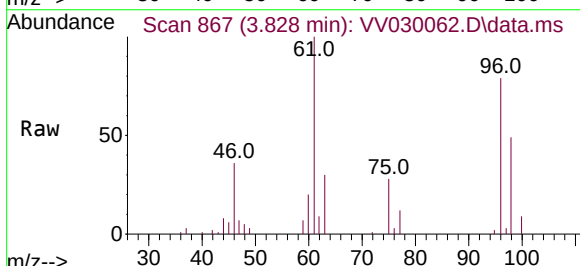
Tgt Ion: 96 Resp: 18976

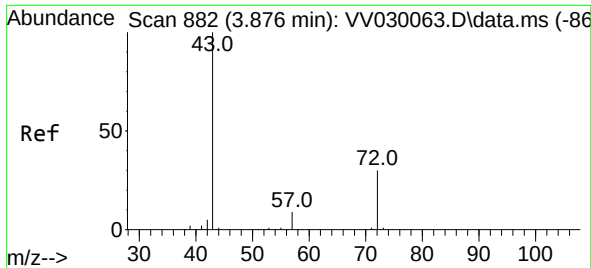
Ion Ratio Lower Upper

96 100

61 126.2 86.0 159.6

68 0.0 0.0 0.0

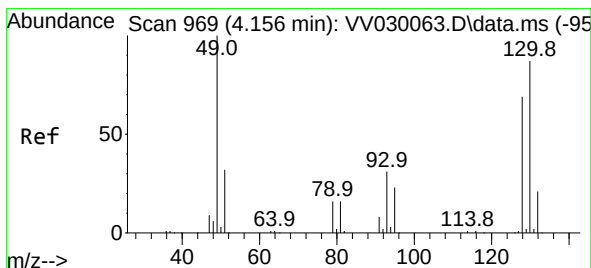
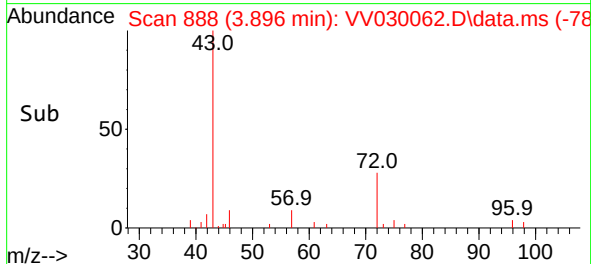
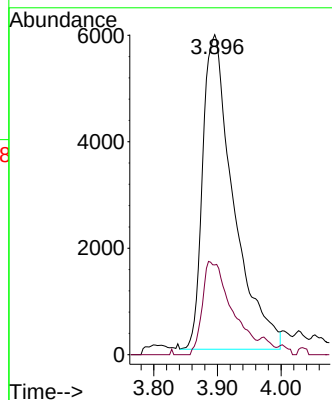
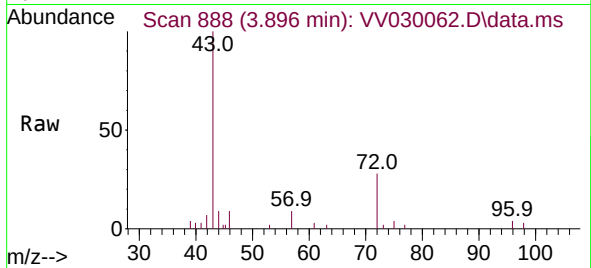




#22
2-Butanone
Concen: 28.891 ug/L
RT: 3.896 min Scan# 882
Delta R.T. 0.019 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

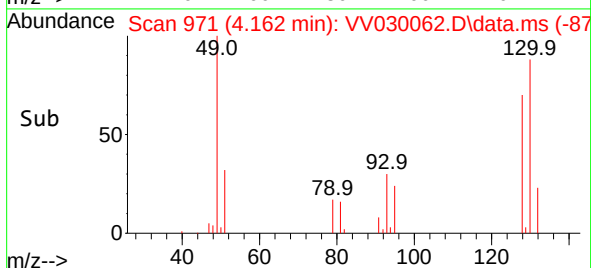
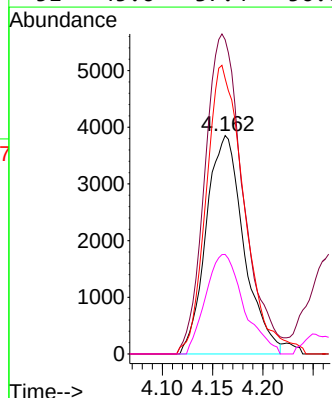
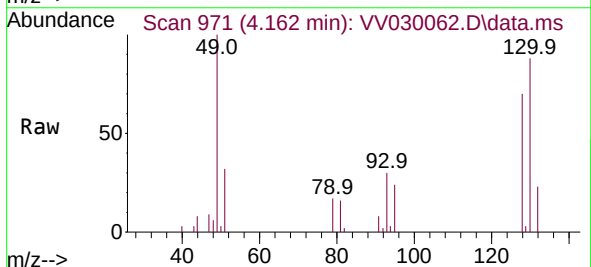
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

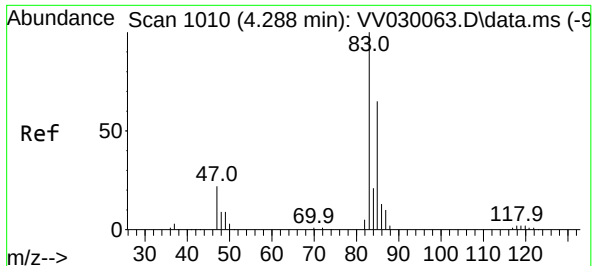
Tgt Ion: 43 Resp: 19860
Ion Ratio Lower Upper
43 100
72 12.0 14.7 44.1#



#23
Bromochloromethane
Concen: 16.311 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.006 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 128 Resp: 10025
Ion Ratio Lower Upper
128 100
49 143.8 101.0 187.6
130 126.0 88.2 163.8
51 45.6 37.4 56.0





#25

Chloroform

Concen: 16.706 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

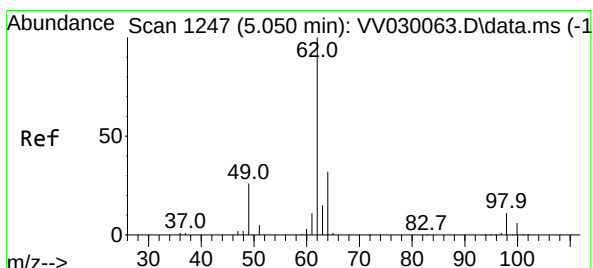
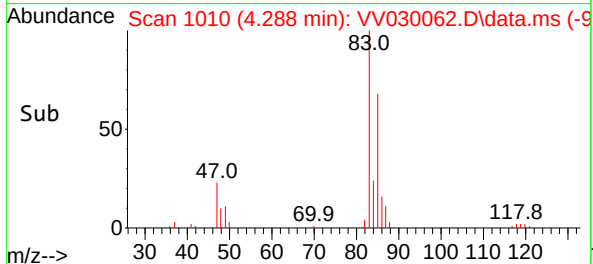
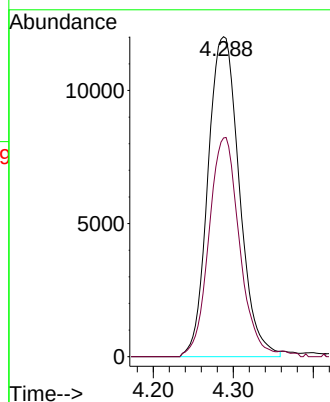
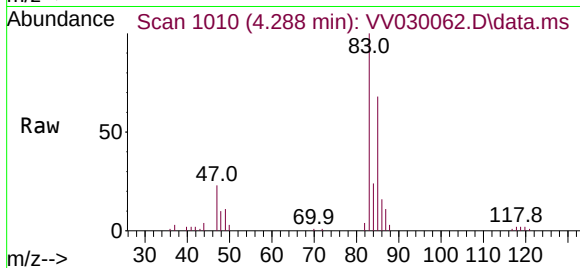
VSTD010209

Tgt Ion: 83 Resp: 32721

Ion Ratio Lower Upper

83 100

85 68.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 17.145 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030062.D

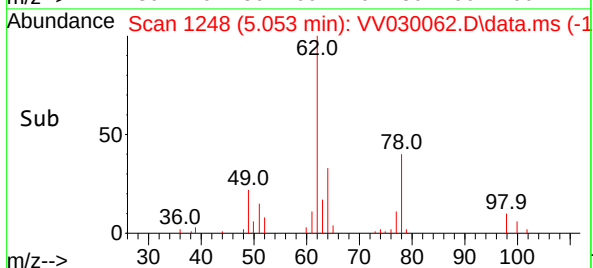
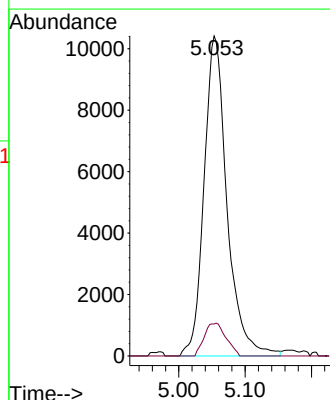
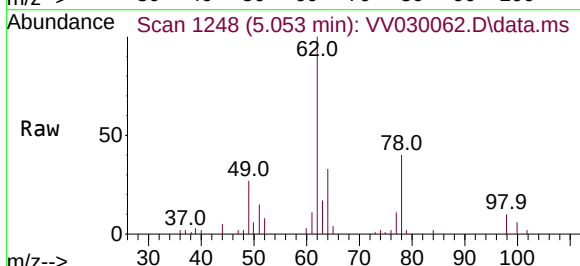
Acq: 17 Feb 2023 11:47

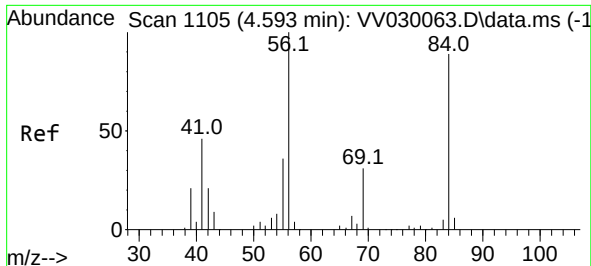
Tgt Ion: 62 Resp: 25081

Ion Ratio Lower Upper

62 100

98 10.0 8.5 12.7

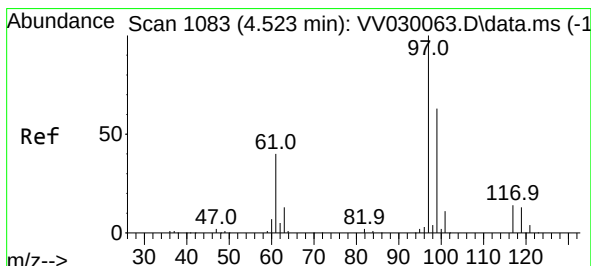
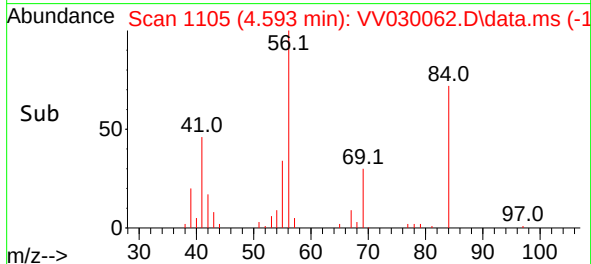
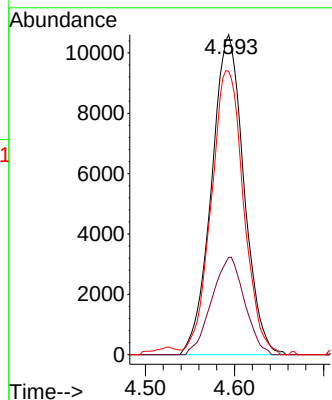
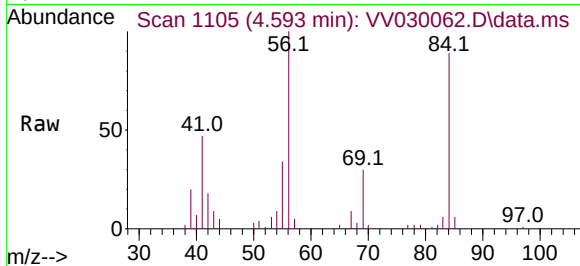




#29
Cyclohexane
Concen: 15.572 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

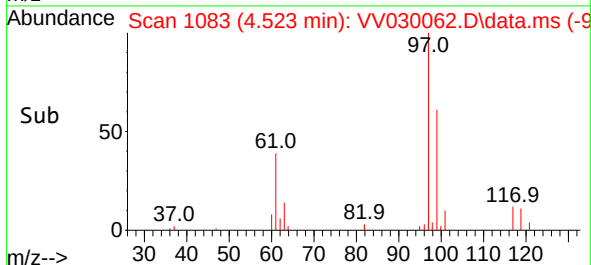
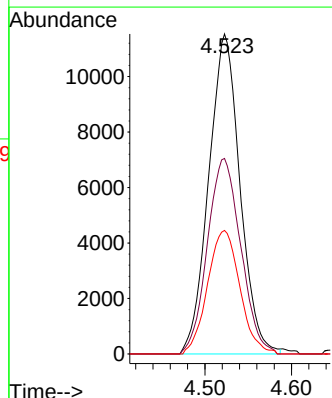
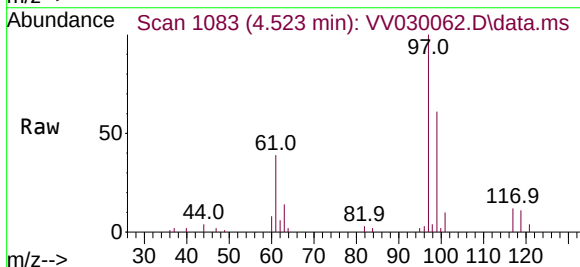
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

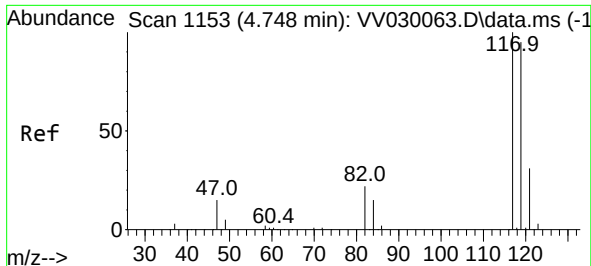
Tgt Ion:	56	Resp:	26769
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.3	37.9
84	89.0	73.0	109.4



#30
1,1,1-Trichloroethane
Concen: 15.795 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	97	Resp:	28947
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.7	76.1
61	39.7	31.6	47.4

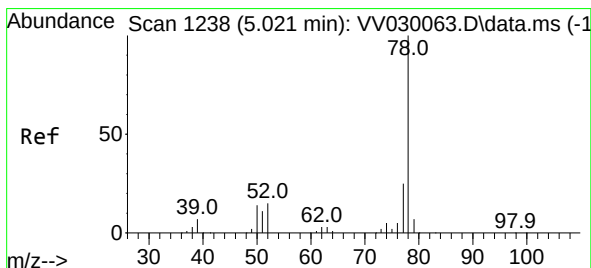
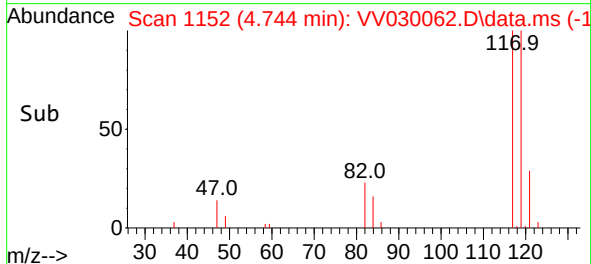
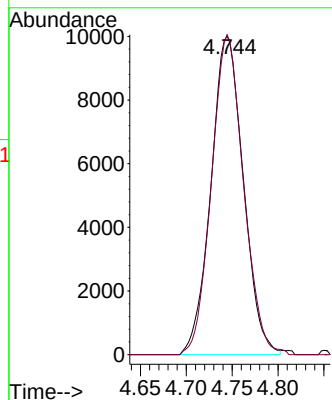
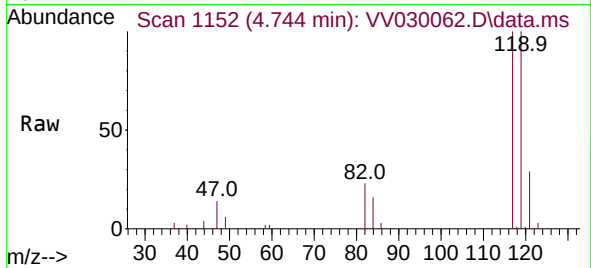




#31
Carbon tetrachloride
Concen: 15.292 ug/L
RT: 4.744 min Scan# 1153
Delta R.T. -0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

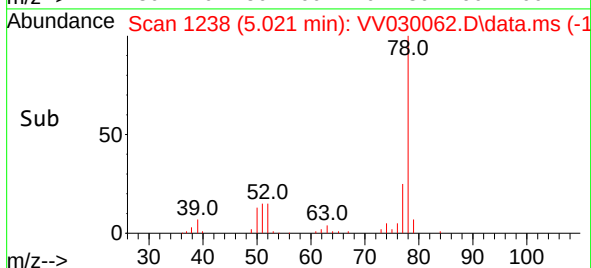
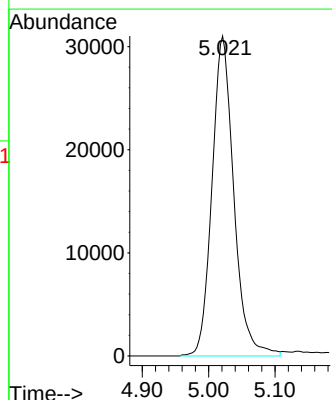
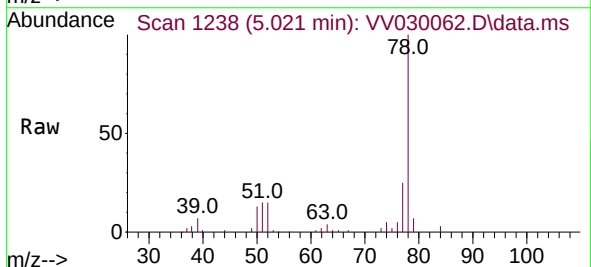
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

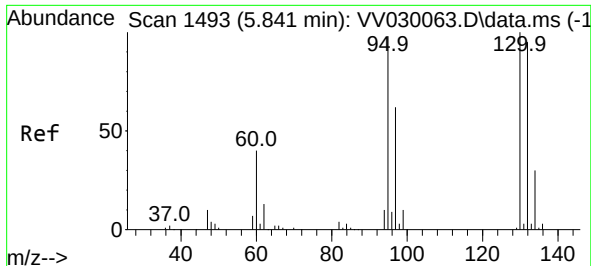
Tgt Ion:117 Resp: 24602
Ion Ratio Lower Upper
117 100
119 98.9 76.8 115.2



#33
Benzene
Concen: 16.280 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 78 Resp: 70860



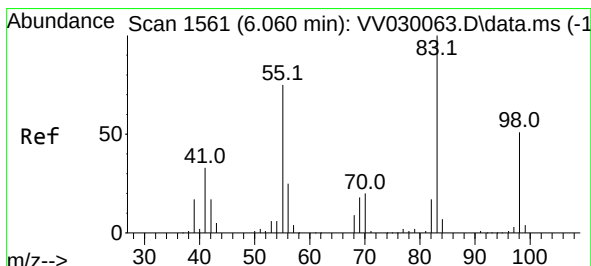
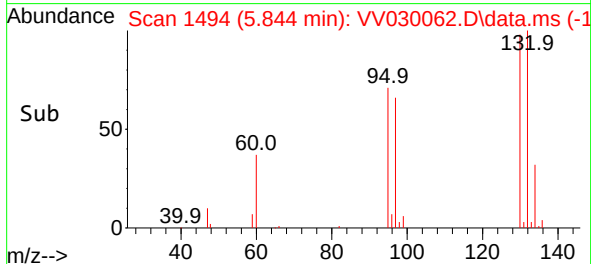
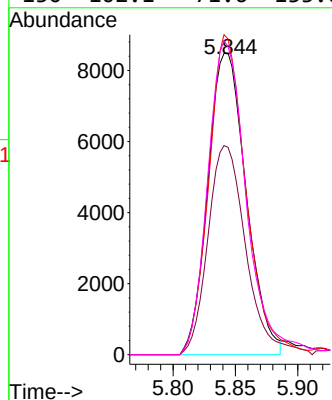
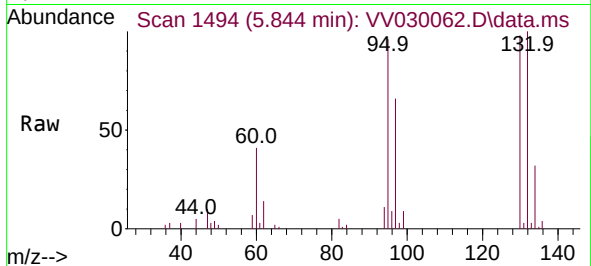


#34
Trichloroethene
Concen: 15.316 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

Tgt Ion: 95 Resp: 18144

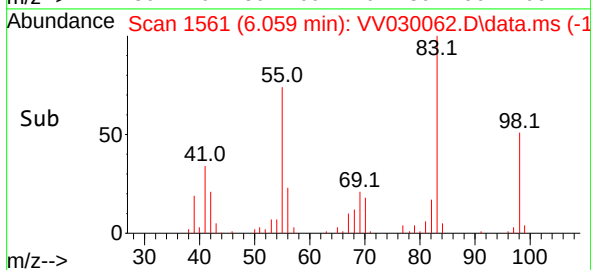
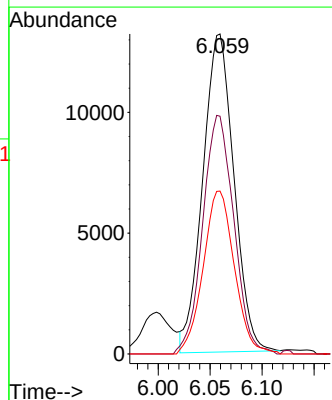
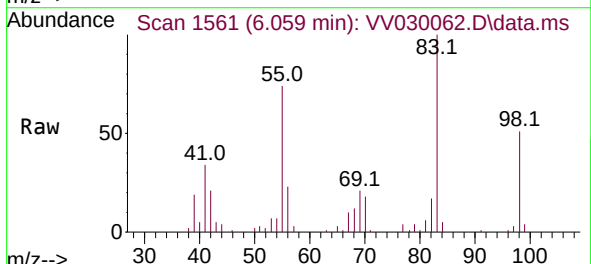
Ion	Ratio	Lower	Upper
95	100		
97	68.7	44.1	81.9
132	104.6	68.3	126.9
130	102.1	71.6	133.0

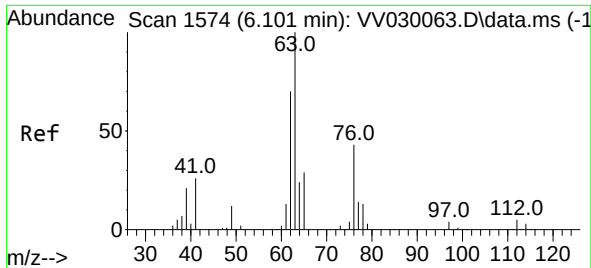


#35
Methylcyclohexane
Concen: 14.593 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 83 Resp: 27444

Ion	Ratio	Lower	Upper
83	100		
55	75.0	58.4	87.6
98	51.3	39.8	59.8





#37

1,2-Dichloropropane

Concen: 16.797 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

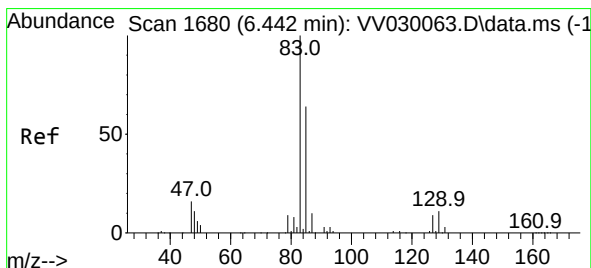
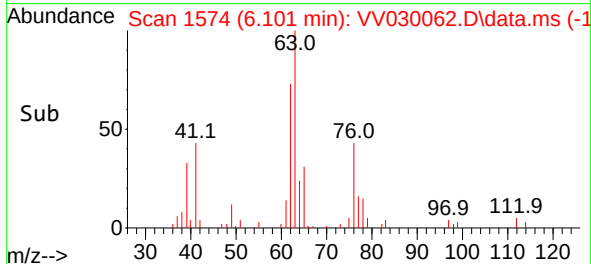
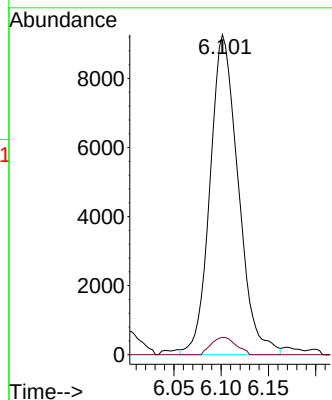
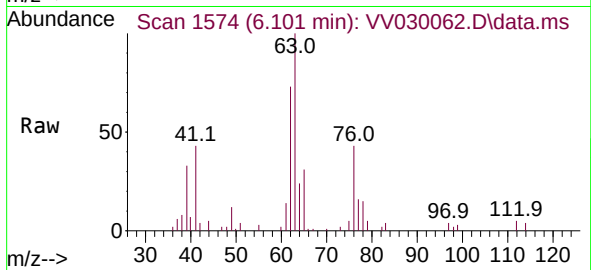
VSTD010209

Tgt Ion: 63 Resp: 19254

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 15.844 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

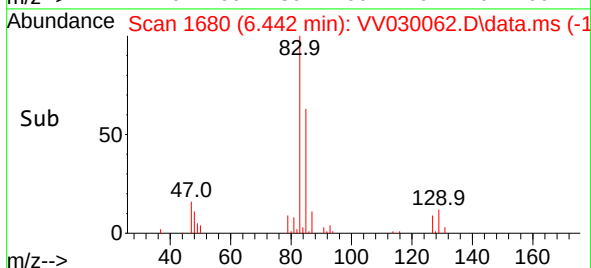
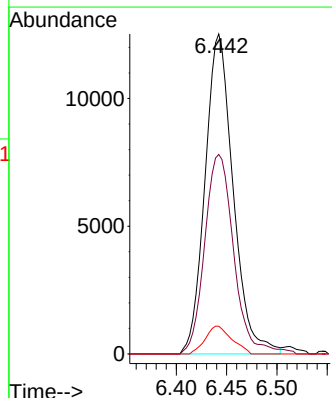
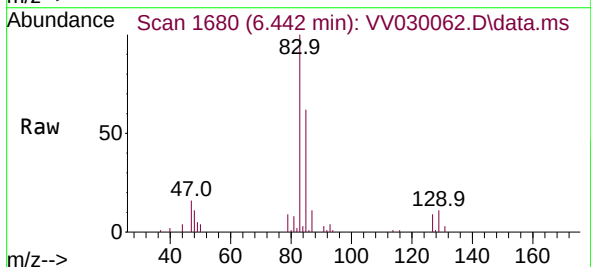
Tgt Ion: 83 Resp: 24394

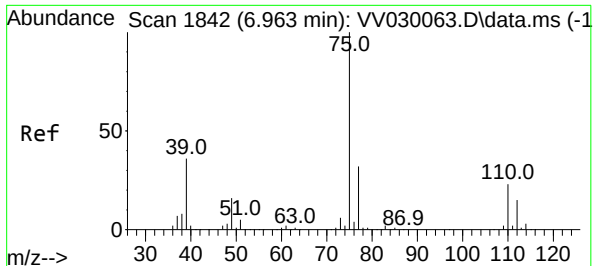
Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.5

127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 14.803 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

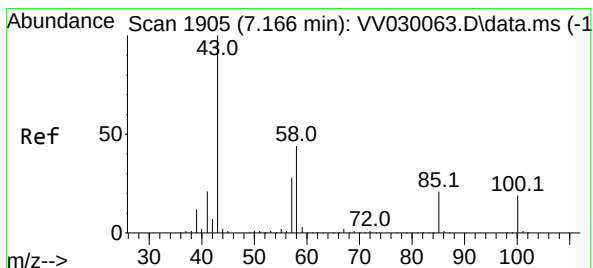
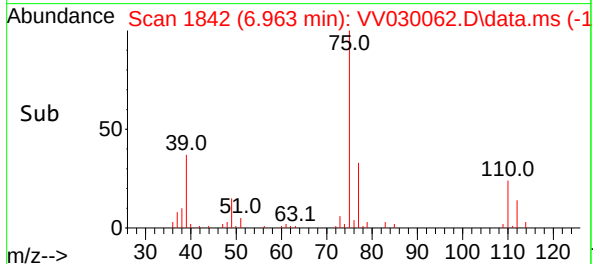
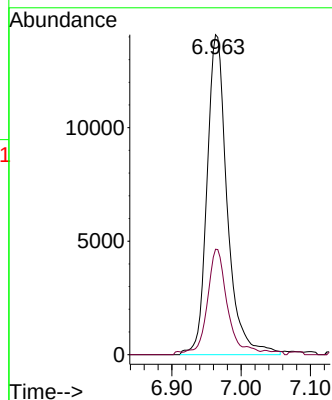
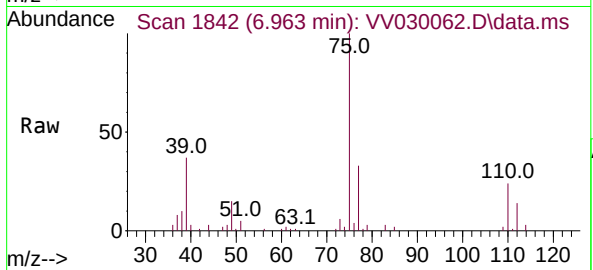
VSTD010209

Tgt Ion: 75 Resp: 28523

Ion Ratio Lower Upper

75 100

77 33.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 29.624 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

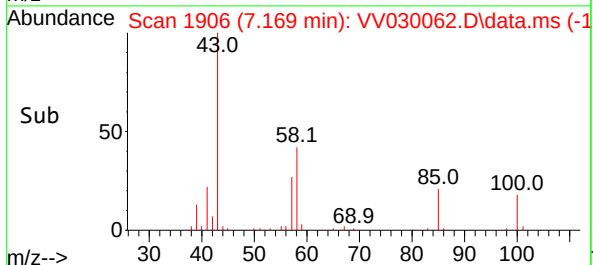
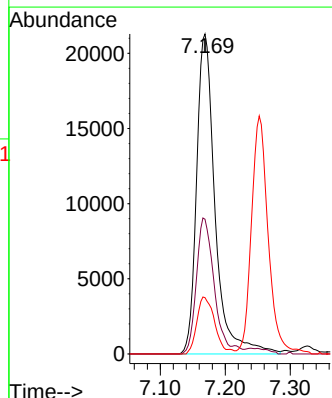
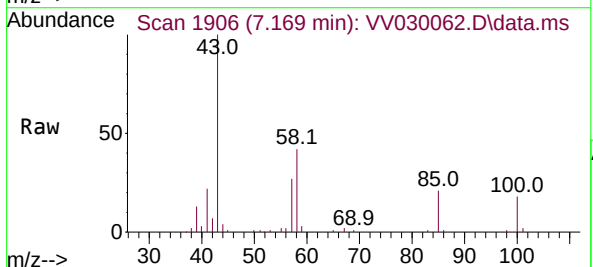
Tgt Ion: 43 Resp: 42215

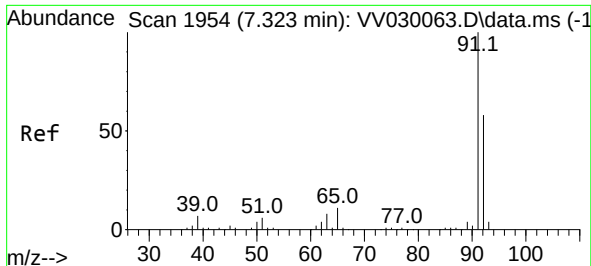
Ion Ratio Lower Upper

43 100

58 39.9 34.8 52.2

100 16.8 14.6 22.0





#42

Toluene

Concen: 15.752 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

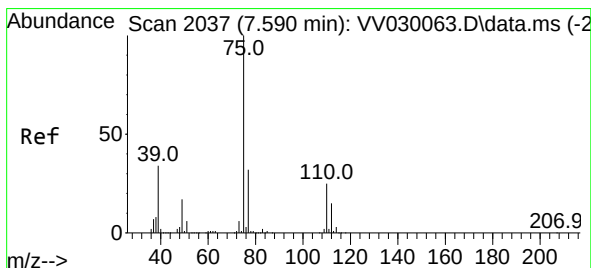
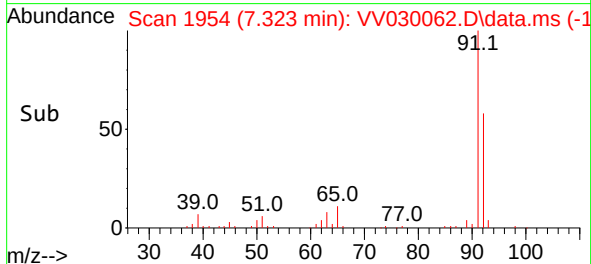
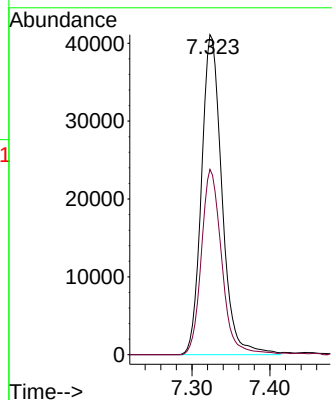
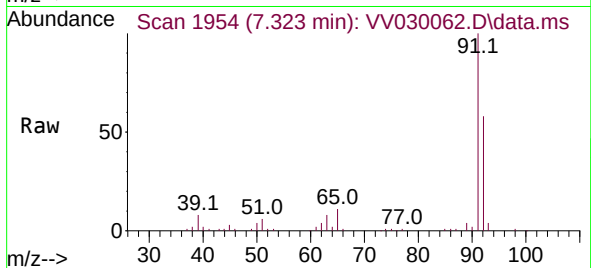
VSTD010209

Tgt Ion: 91 Resp: 75025

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 14.183 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030062.D

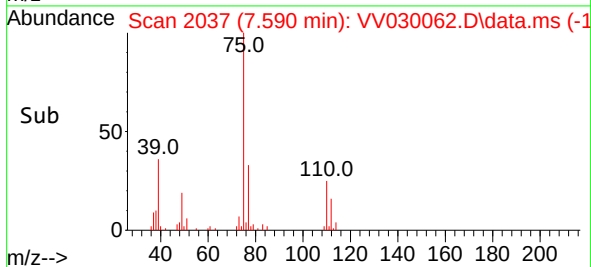
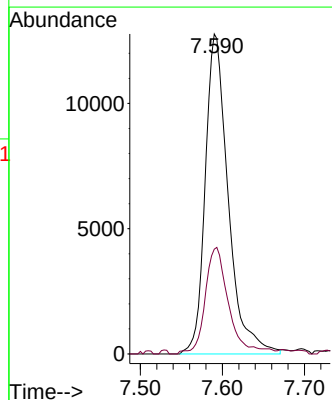
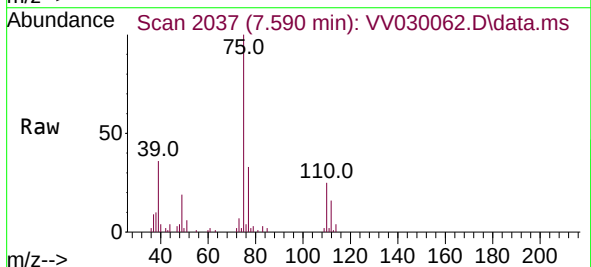
Acq: 17 Feb 2023 11:47

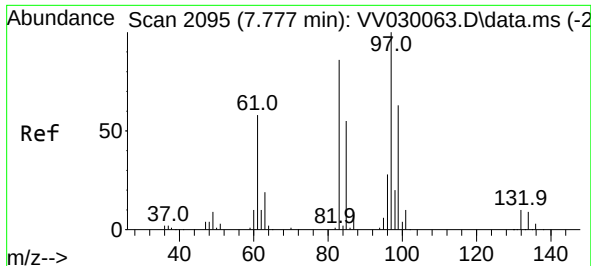
Tgt Ion: 75 Resp: 24855

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5

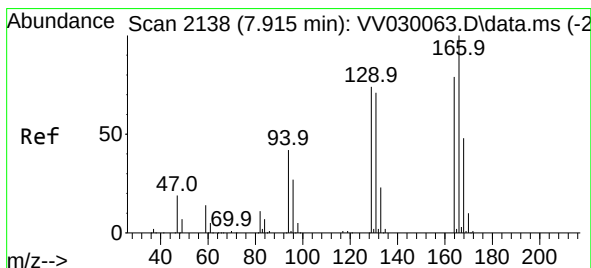
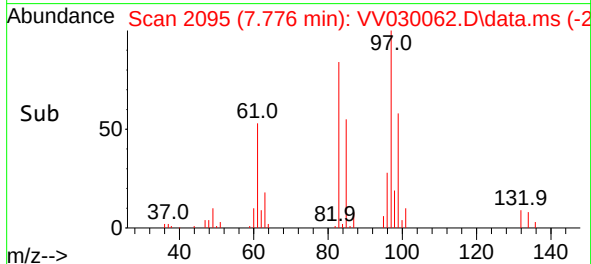
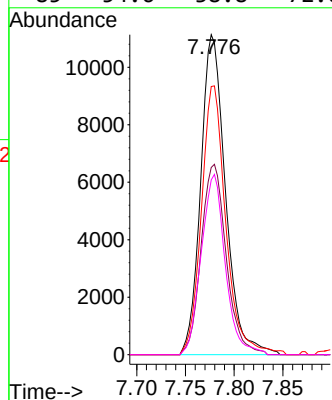
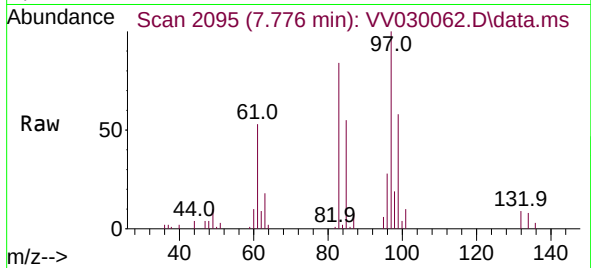




#45
1,1,2-Trichloroethane
Concen: 16.595 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

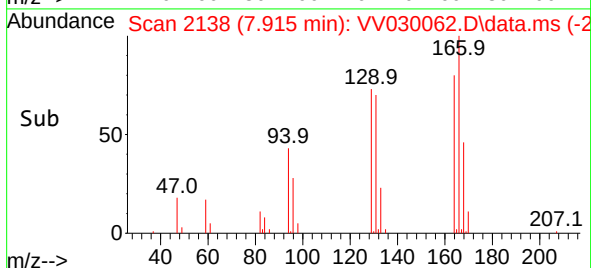
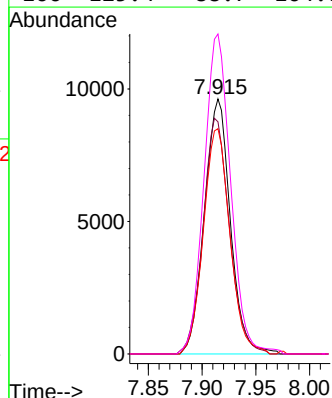
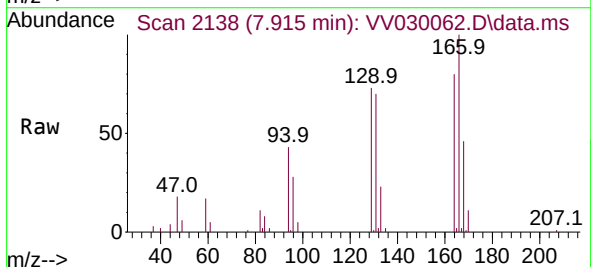
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

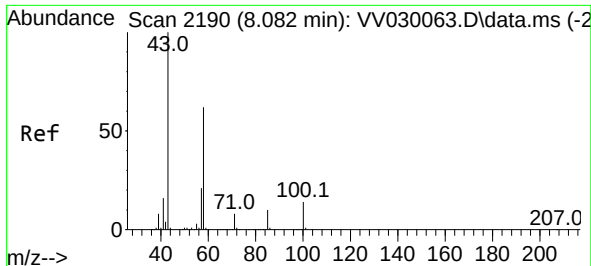
Tgt Ion:	97	Resp:	19743
Ion	Ratio	Lower	Upper
97	100		
99	58.5	43.8	81.4
83	83.8	59.9	111.3
85	54.6	38.8	72.0



#46
Tetrachloroethene
Concen: 16.232 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	164	Resp:	16166
Ion	Ratio	Lower	Upper
164	100		
129	91.0	65.2	121.0
131	88.3	63.1	117.3
166	125.4	88.7	164.7

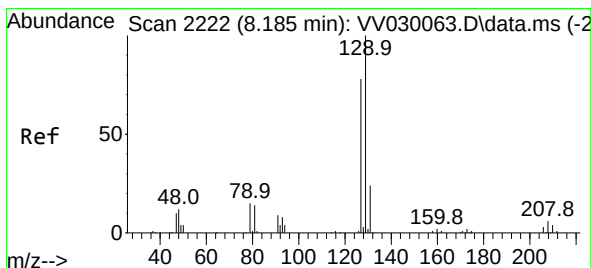
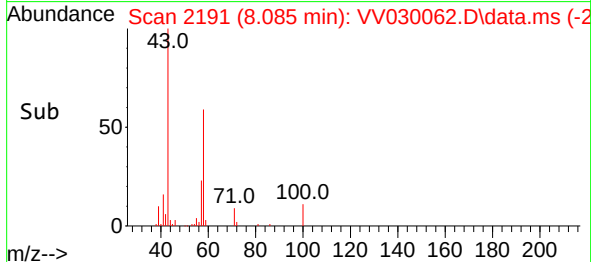
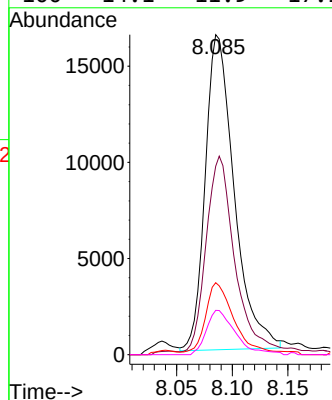
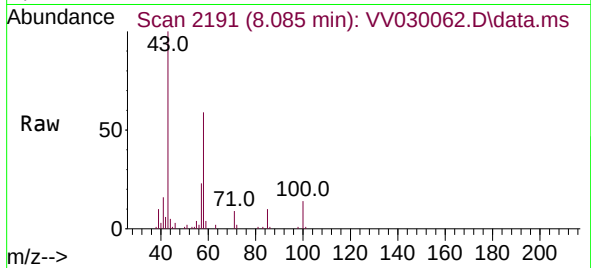




#48
2-Hexanone
Concen: 27.466 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

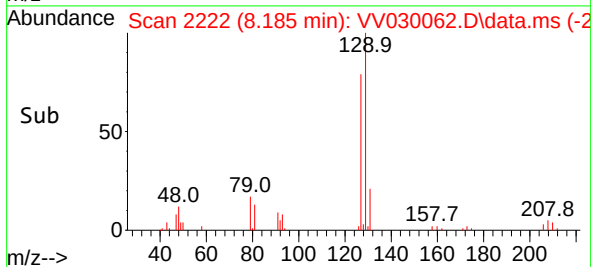
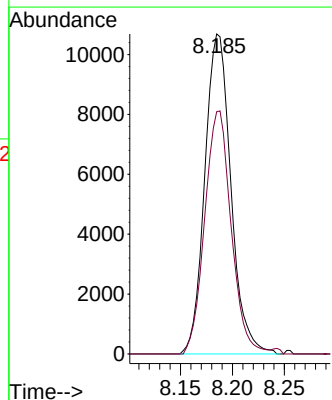
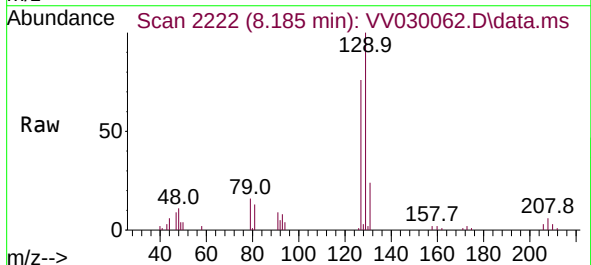
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

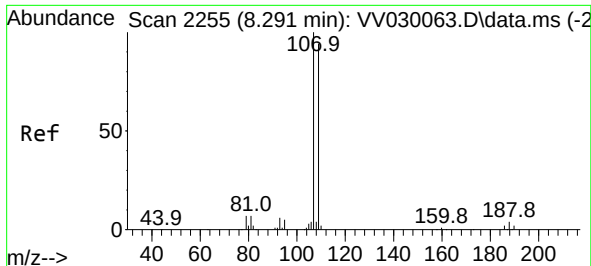
Tgt Ion:	43	Resp:	29703
Ion	Ratio	Lower	Upper
43	100		
58	61.3	49.9	74.9
57	21.4	17.4	26.0
100	14.1	11.9	17.9



#49
Dibromochloromethane
Concen: 15.144 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	129	Resp:	18688
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.9	102.1





#50

1,2-Dibromoethane

Concen: 16.204 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD010209

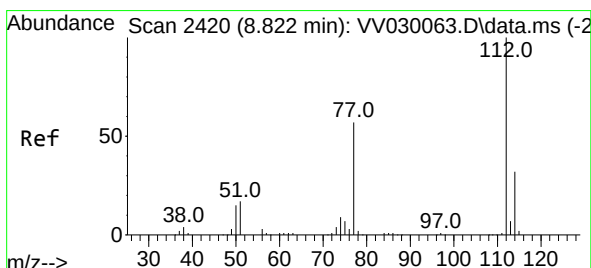
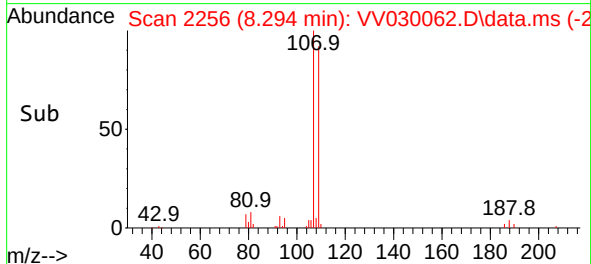
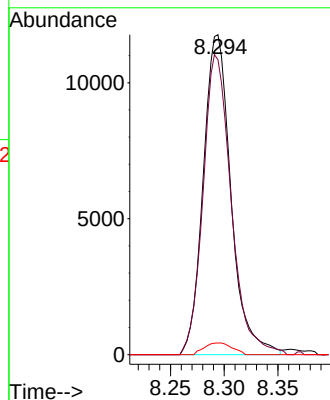
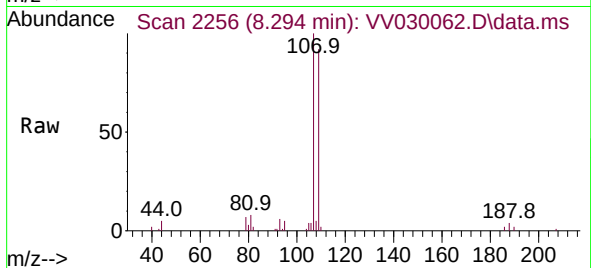
Tgt Ion:107 Resp: 21149

Ion Ratio Lower Upper

107 100

109 92.2 66.0 122.6

188 3.7 3.4 5.0



#51

Chlorobenzene

Concen: 16.159 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

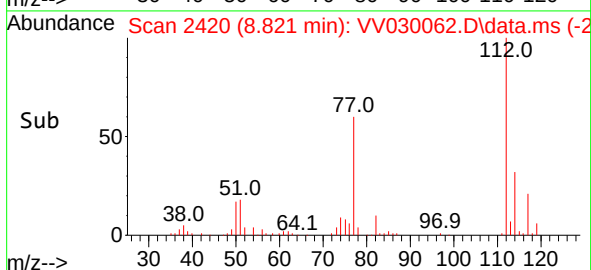
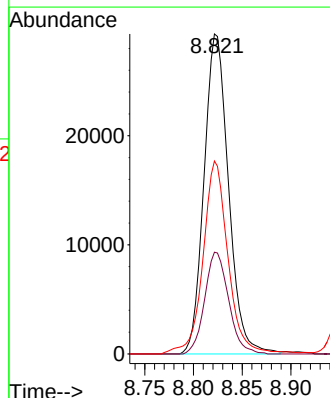
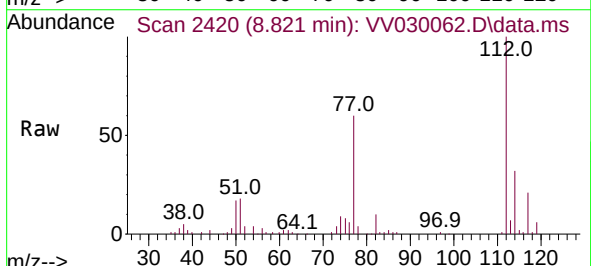
Tgt Ion:112 Resp: 51290

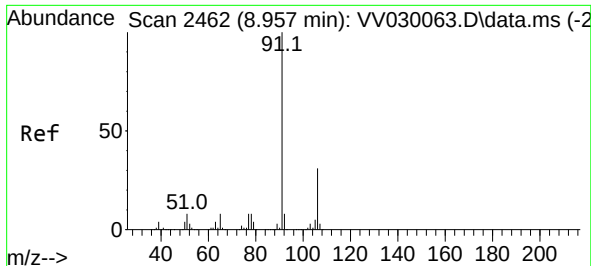
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 60.3 46.0 69.0

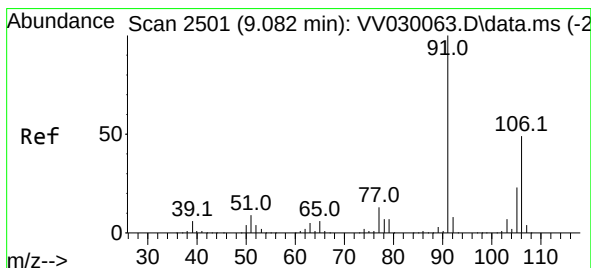
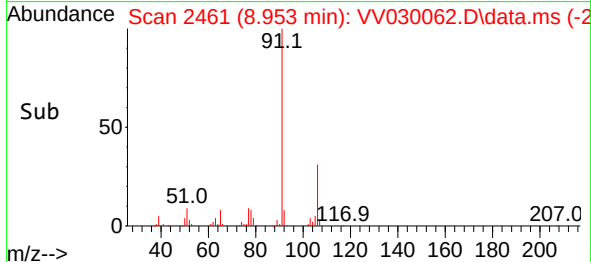
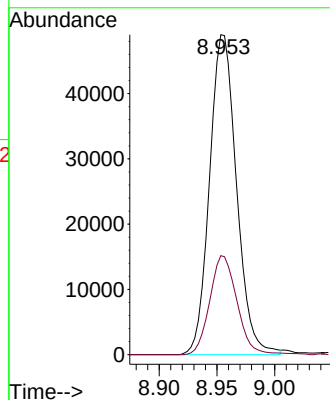
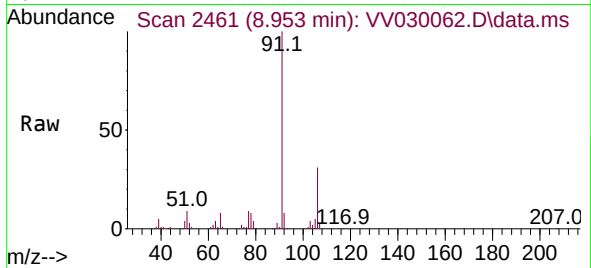




#52
Ethylbenzene
Concen: 15.111 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

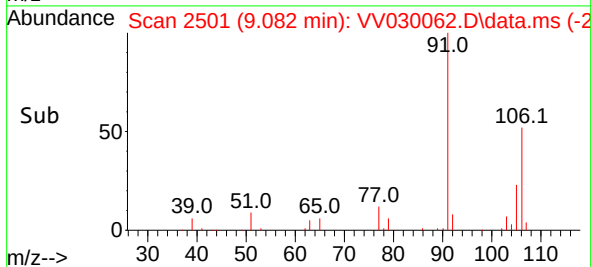
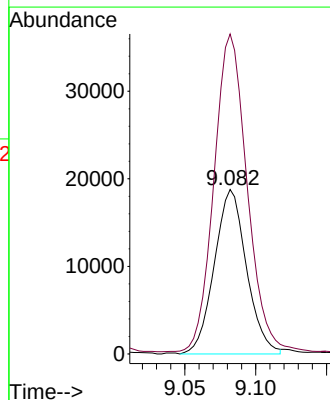
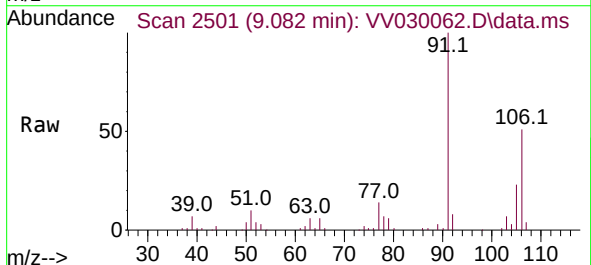
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

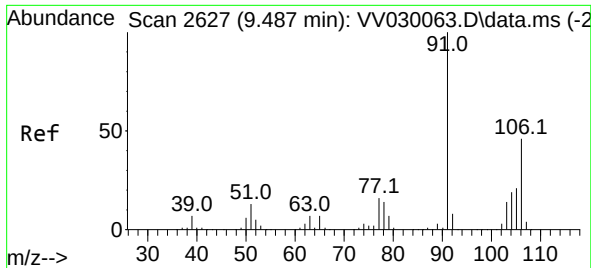
Tgt Ion: 91 Resp: 79688
Ion Ratio Lower Upper
91 100
106 31.0 22.0 40.8



#53
m,p-Xylene
Concen: 14.741 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:106 Resp: 29700
Ion Ratio Lower Upper
106 100
91 194.5 142.0 263.8

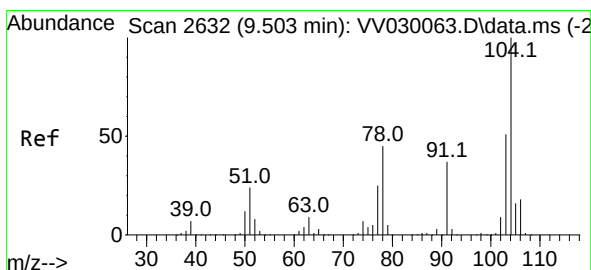
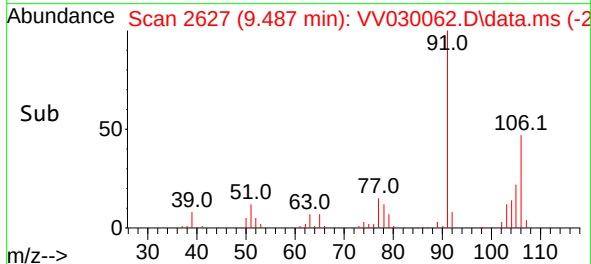
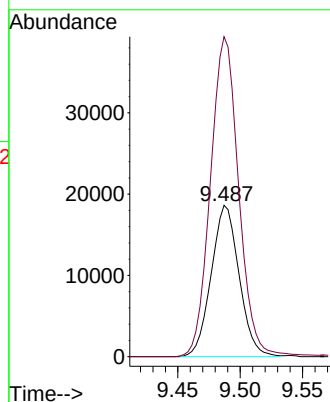
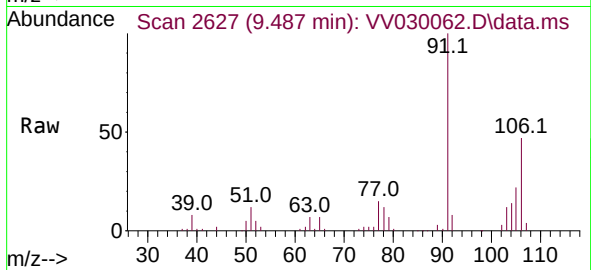




#54
o-Xylene
Concen: 14.947 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

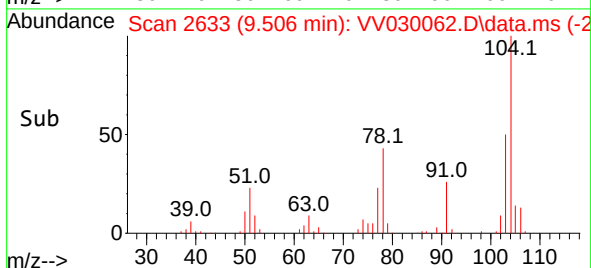
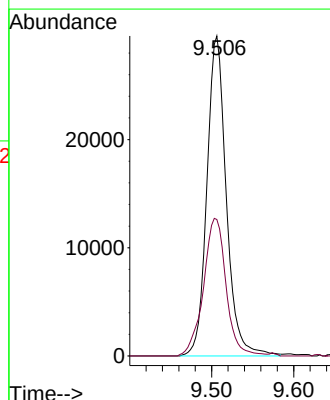
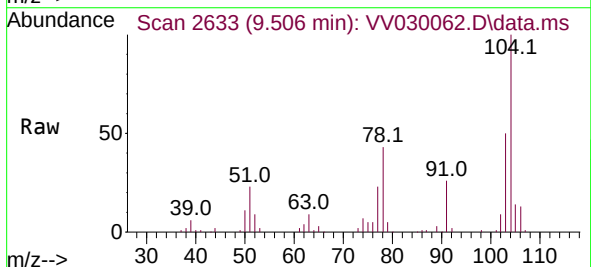
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

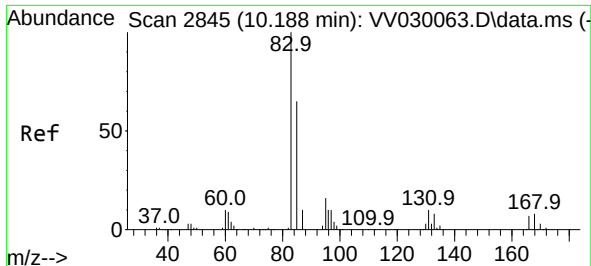
Tgt Ion:106 Resp: 29023
Ion Ratio Lower Upper
106 100
91 211.4 151.5 281.3



#55
Styrene
Concen: 14.693 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:104 Resp: 48736
Ion Ratio Lower Upper
104 100
78 42.6 31.9 59.2

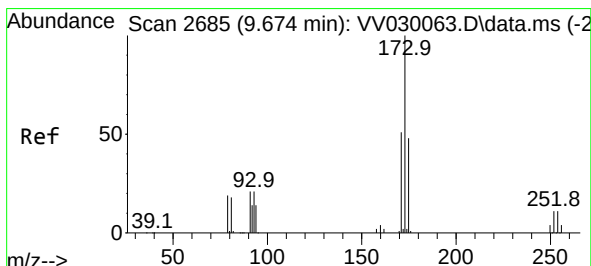
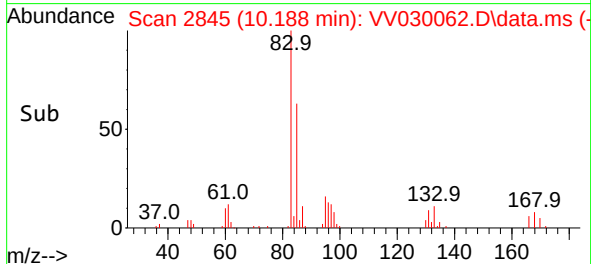
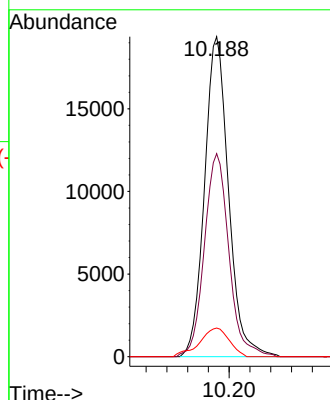
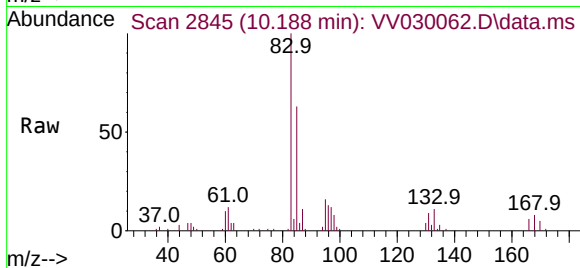




#57
1,1,2,2-Tetrachloroethane
Concen: 15.968 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

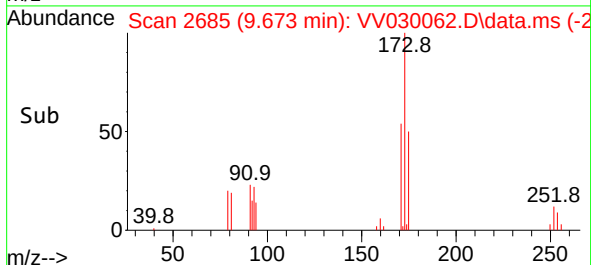
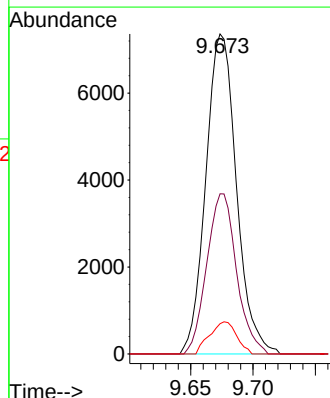
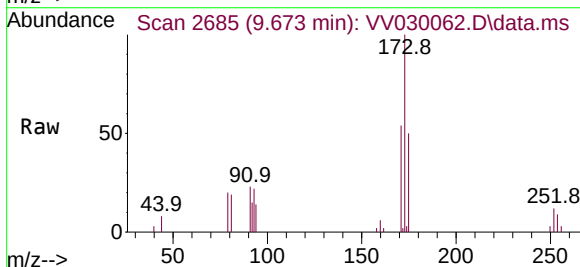
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

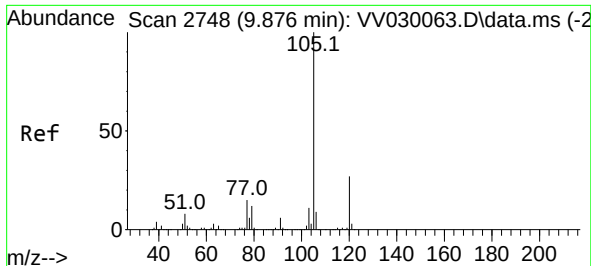
Tgt Ion:	83	Resp:	31055
Ion	Ratio	Lower	Upper
83	100		
85	63.4	45.5	84.5
131	8.9	8.3	12.5



#59
Bromoform
Concen: 14.699 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	173	Resp:	12576
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	8.8	8.7	13.1

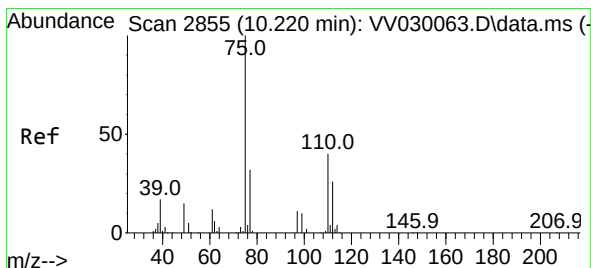
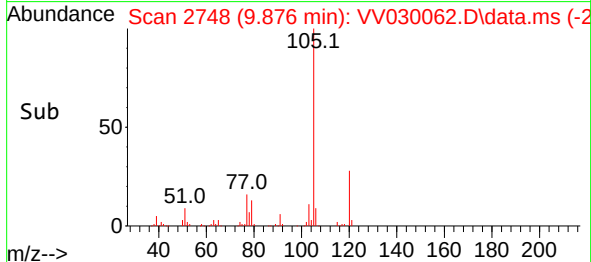
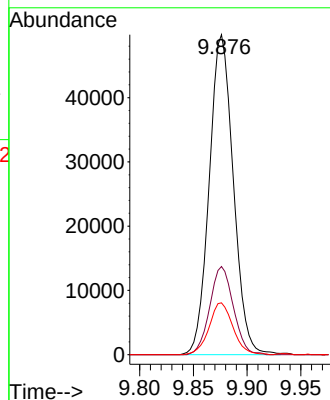
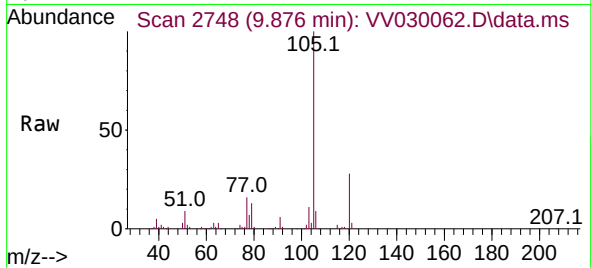




#60
Isopropylbenzene
Concen: 15.110 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

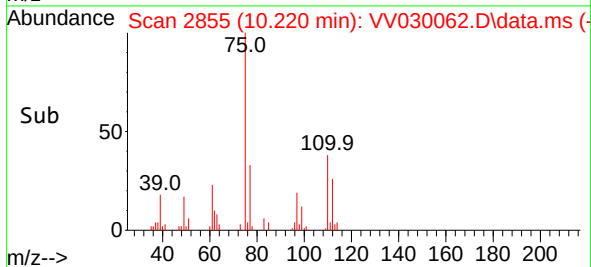
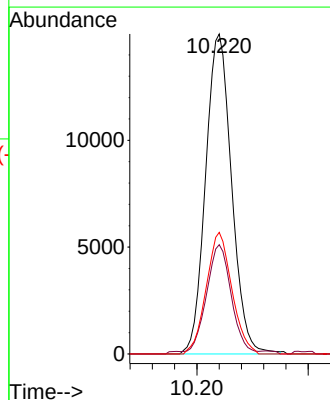
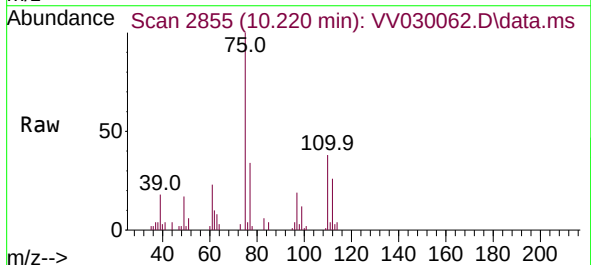
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

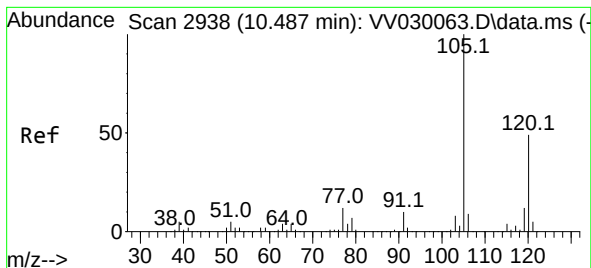
Tgt Ion:	105	Resp:	77634
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.4	32.0
77	16.1	12.2	18.2



#61
1,2,3-Trichloropropane
Concen: 16.990 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	75	Resp:	24287
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.9	38.9
110	37.4	32.1	48.1





#62

1,3,5-Trimethylbenzene

Concen: 14.564 ug/L

RT: 10.484 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VV030062.D

Acq: 17 Feb 2023 11:47

Instrument :

MSVOA_V

ClientSampleId :

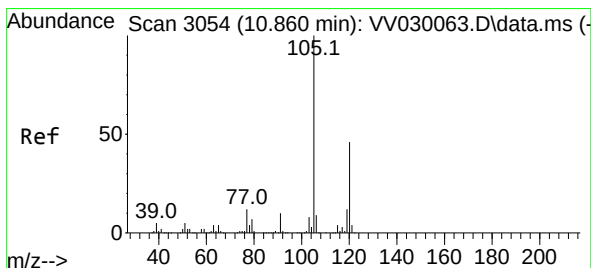
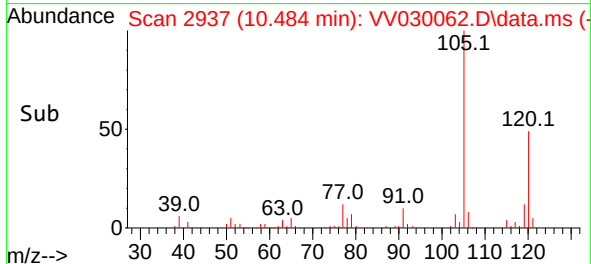
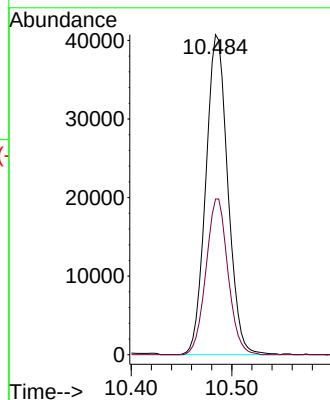
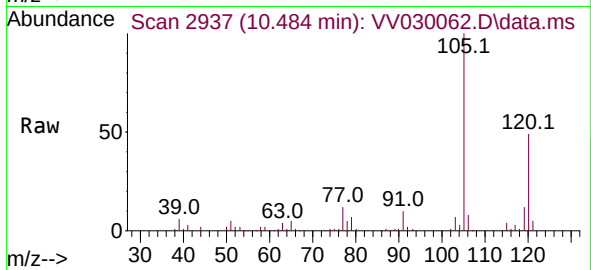
VSTD010209

Tgt Ion:105 Resp: 61974

Ion Ratio Lower Upper

105 100

120 48.6 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 14.607 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030062.D

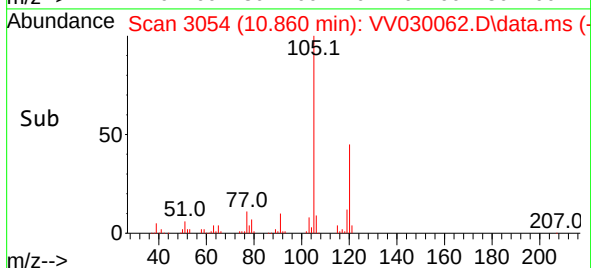
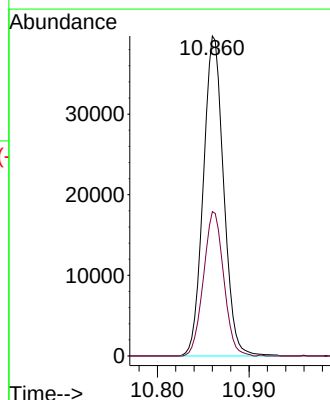
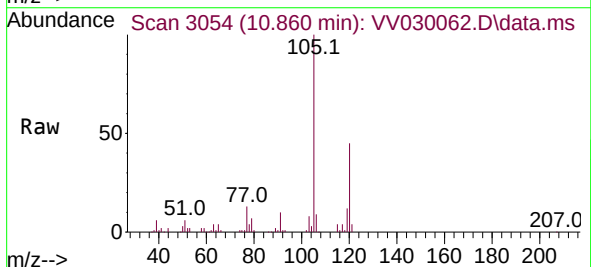
Acq: 17 Feb 2023 11:47

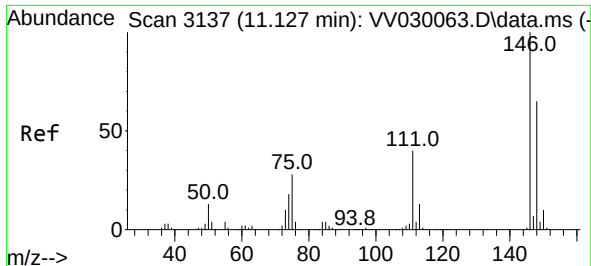
Tgt Ion:105 Resp: 61089

Ion Ratio Lower Upper

105 100

120 44.9 36.3 54.5

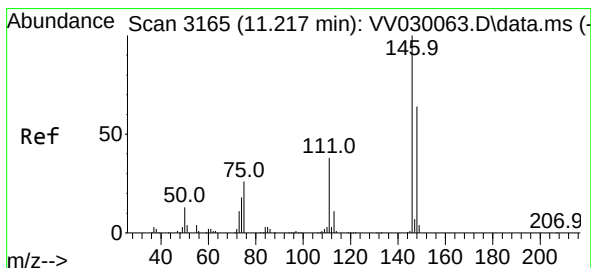
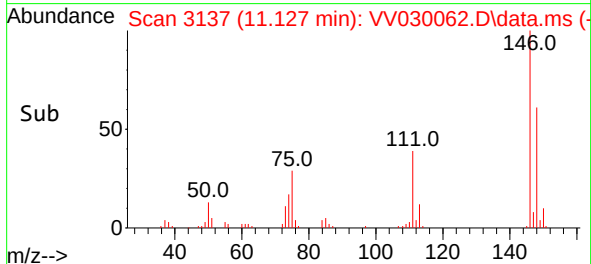
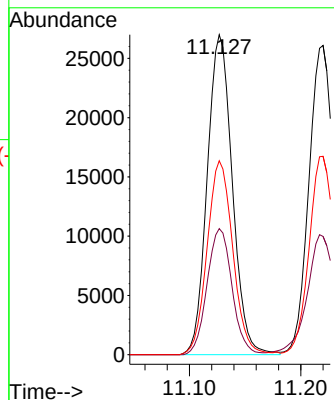
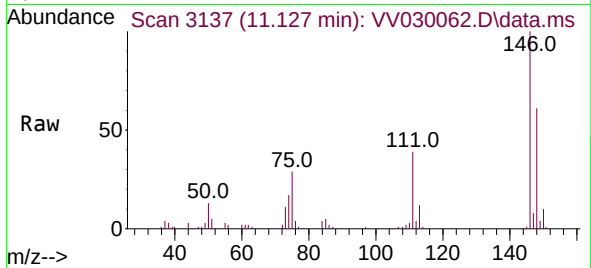




#64
1,3-Dichlorobenzene
Concen: 16.347 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

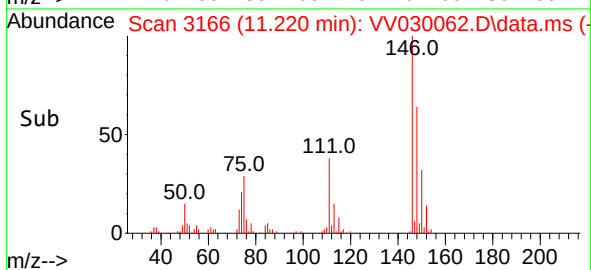
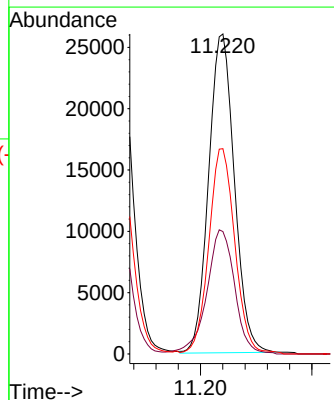
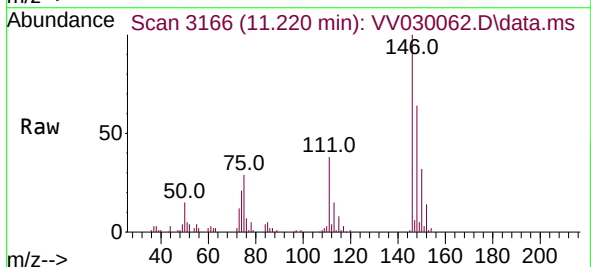
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

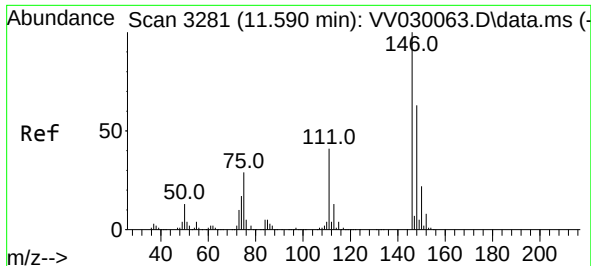
Tgt Ion:146 Resp: 42324
Ion Ratio Lower Upper
146 100
111 39.4 28.2 52.4
148 60.6 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 15.751 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:146 Resp: 41730
Ion Ratio Lower Upper
146 100
111 38.3 27.1 50.3
148 64.1 44.9 83.5

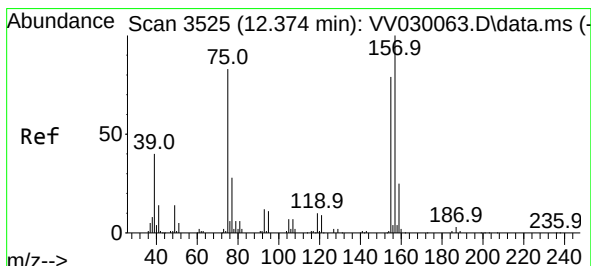
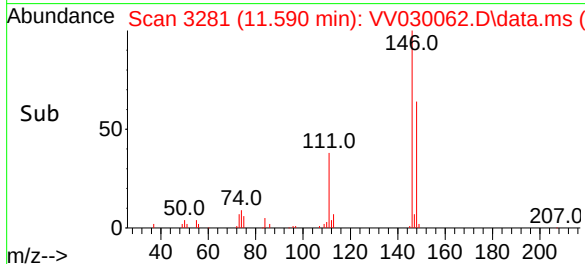
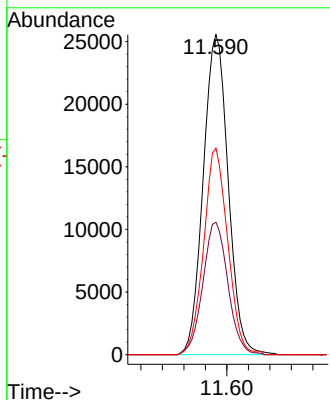
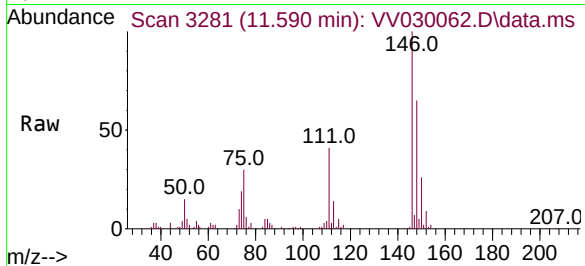




#67
1,2-Dichlorobenzene
Concen: 16.002 ug/L
RT: 11.590 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

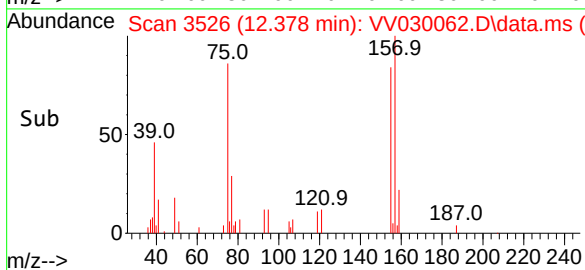
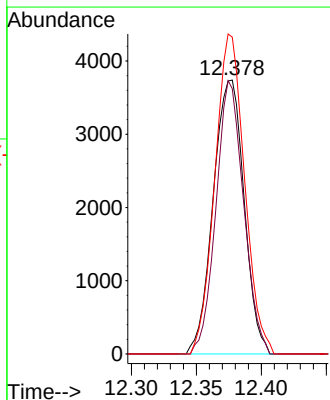
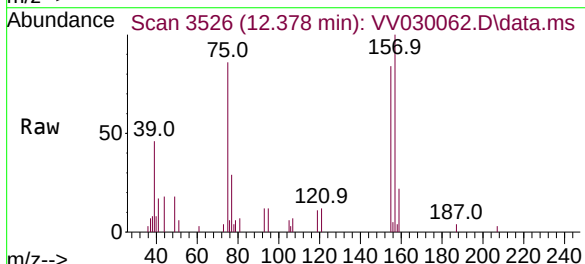
Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

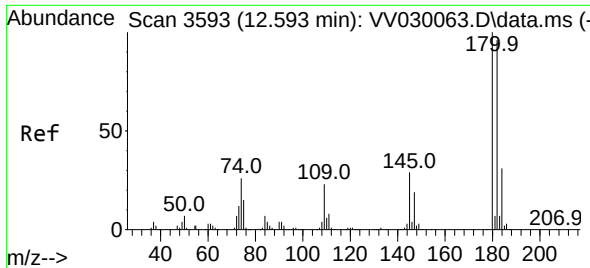
Tgt Ion:146 Resp: 41252
Ion Ratio Lower Upper
146 100
111 41.4 33.0 49.4
148 64.5 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 14.804 ug/L
RT: 12.378 min Scan# 3526
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion: 75 Resp: 6174
Ion Ratio Lower Upper
75 100
155 96.8 76.2 114.2
157 115.6 96.0 144.0

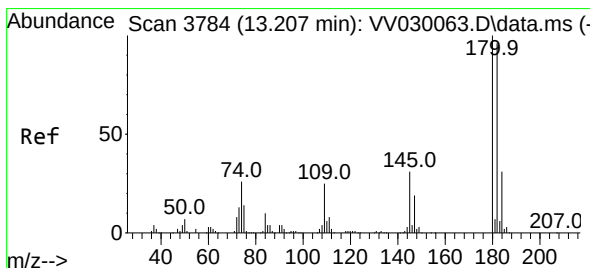
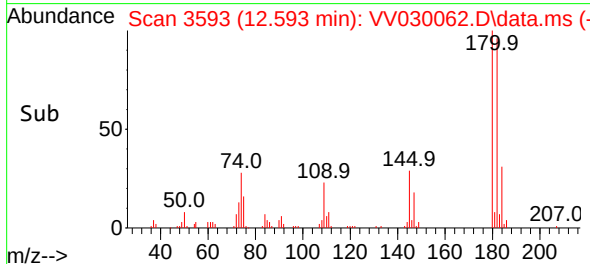
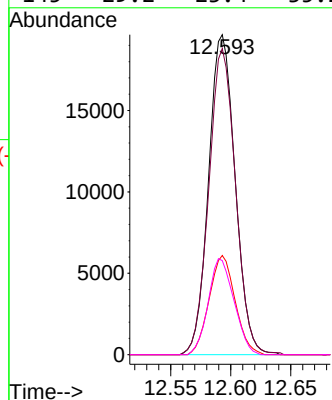
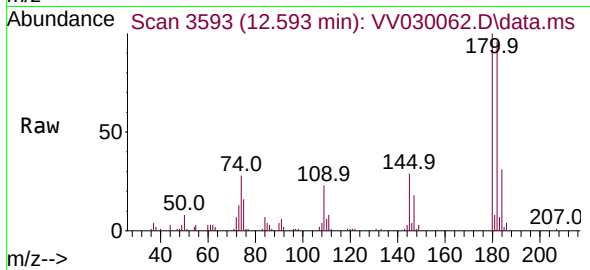




#69
 1,3,5-Trichlorobenzene
 Concen: 14.637 ug/L
 RT: 12.593 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

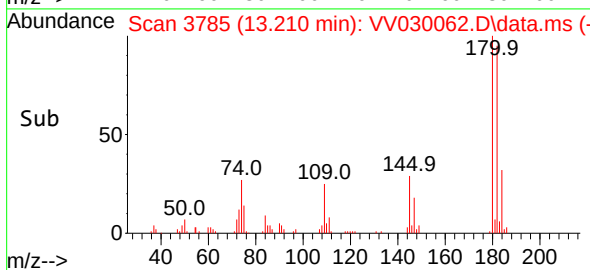
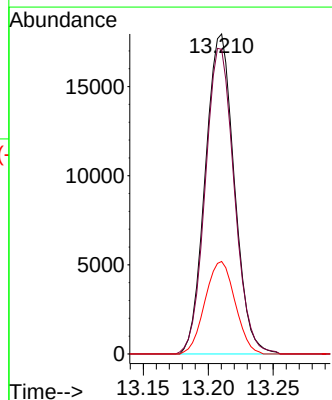
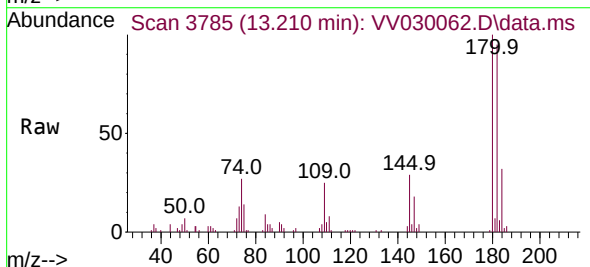
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010209

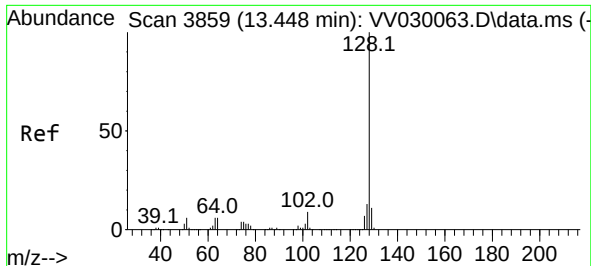
Tgt Ion:180	Resp:	30242
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.4 114.6
184	30.4	24.5 36.7
145	29.2	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 14.359 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030062.D
 Acq: 17 Feb 2023 11:47

Tgt Ion:180	Resp:	27884
Ion Ratio	Lower	Upper
180	100	
182	95.5	76.6 114.8
145	29.9	24.3 36.5

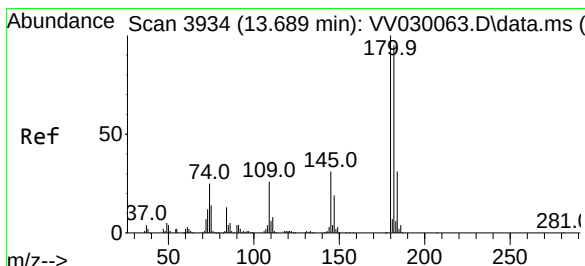
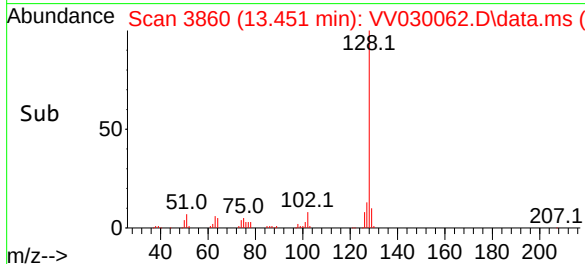
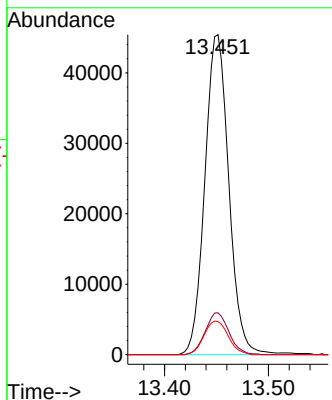
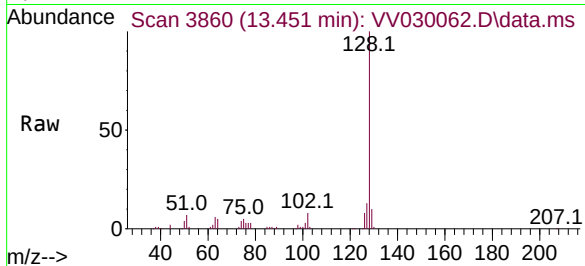




#71
Naphthalene
Concen: 12.912 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD010209

Tgt Ion:	128	Resp:	72730
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 14.402 ug/L
RT: 13.693 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030062.D
Acq: 17 Feb 2023 11:47

Tgt Ion:	180	Resp:	27448
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.8	113.8
145	31.4	25.0	37.6

