

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031099.D
 Acq On : 19 May 2023 11:04
 Operator : SY/MD
 Sample : VSTD20025
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200225

Quant Time: May 19 23:56:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	294365	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	293954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	186043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	506439	228.071	ug/L	0.00
7) Chloroethane-d5	1.526	69	379157	206.480	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	236339	224.049	ug/L	0.00
21) 2-Butanone-d5	3.786	46	580517	476.820	ug/L	0.00
24) Chloroform-d	4.256	84	879413	220.071	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	604071	231.377	ug/L	0.00
32) Benzene-d6	4.966	84	1632113	229.030	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	469663	213.439	ug/L	0.00
41) Toluene-d8	7.249	98	1582497	236.081	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	268220	242.677	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	431318	495.651	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	736879	230.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	715237	237.596	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	366838	151.893	ug/L	99
3) Chloromethane	1.217	50	391218	126.288	ug/L	99
5) Vinyl chloride	1.285	62	371149	146.801	ug/L	98
6) Bromomethane	1.478	94	241641	230.461	ug/L	99
8) Chloroethane	1.545	64	232692	135.785	ug/L	100
9) Trichlorofluoromethane	1.712	101	687534	163.477	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	379339	170.818	ug/L	99
12) 1,1-Dichloroethene	2.072	96	318398	161.742	ug/L	95
13) Acetone	2.117	43	535131	293.148	ug/L	99
14) Carbon disulfide	2.243	76	600160	114.031	ug/L	98
15) Methyl Acetate	2.375	43	413463	175.063	ug/L	99
16) Methylene chloride	2.452	84	353633	157.168	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	312212	158.326	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	1310026	201.847	ug/L	100
19) 1,1-Dichloroethane	3.117	63	677831	165.626	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	400029	182.853	ug/L	95
22) 2-Butanone	3.870	43	651662	349.600	ug/L	97
23) Bromochloromethane	4.156	128	190221	156.252	ug/L	97
25) Chloroform	4.281	83	765461	179.304	ug/L	96
27) 1,2-Dichloroethane	5.047	62	674289	185.504	ug/L	99
29) Cyclohexane	4.590	56	507089	154.620	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	695908	172.485	ug/L	99
31) Carbon tetrachloride	4.741	117	614865	170.829	ug/L	100
33) Benzene	5.018	78	1444861	168.833	ug/L	100
34) Trichloroethene	5.838	95	375756	168.466	ug/L	99
35) Methylcyclohexane	6.059	83	547406	160.356	ug/L	99
37) 1,2-Dichloropropane	6.098	63	392828	169.891	ug/L	97
38) Bromodichloromethane	6.439	83	597218	180.494	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	697917	200.667	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	1302074	397.139	ug/L	99
42) Toluene	7.320	91	1636481	178.812	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	697216	202.371	ug/L	100

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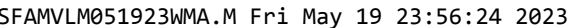
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 ClientSampleId :
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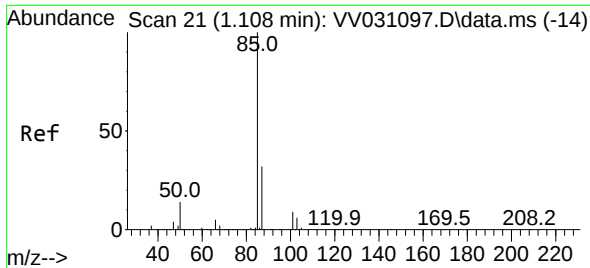
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	422751	179.447	ug/L	98
46) Tetrachloroethene	7.911	164	326529	167.832	ug/L	96
48) 2-Hexanone	8.082	43	1055046	387.127	ug/L	99
49) Dibromochloromethane	8.185	129	496797	190.975	ug/L	96
50) 1,2-Dibromoethane	8.288	107	428794	177.667	ug/L	100
51) Chlorobenzene	8.821	112	1108322	180.295	ug/L	98
52) Ethylbenzene	8.953	91	1950819	191.701	ug/L	99
53) m,p-Xylene	9.079	106	744874	193.428	ug/L	98
54) o-Xylene	9.484	106	749023	197.935	ug/L	99
55) Styrene	9.503	104	1336063	201.552	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	726190	187.768	ug/L	99
59) Bromoform	9.670	173	411704	180.361	ug/L	99
60) Isopropylbenzene	9.873	105	2107222	187.949	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	557218	171.133	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	1797293	195.311	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	1812700	197.988	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	1058819	187.263	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	1085716	182.366	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	1099022	191.983	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	181048	188.241	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	873517	204.919	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	791236	217.346	ug/L	100
71) Naphthalene	13.445	128	2173590	220.928	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	769791	213.289	ug/L	99

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

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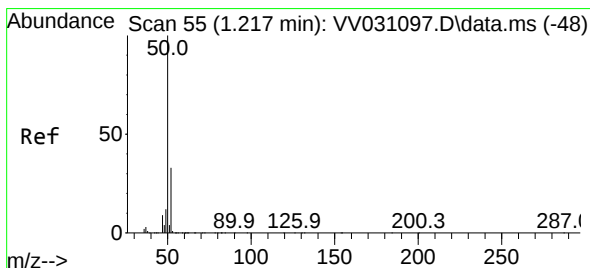
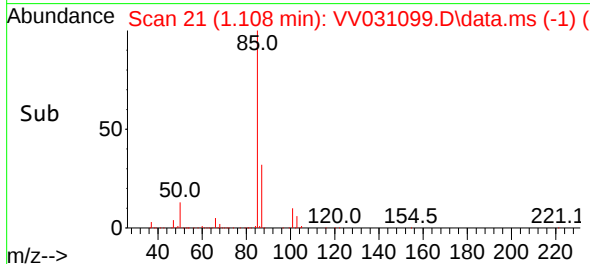
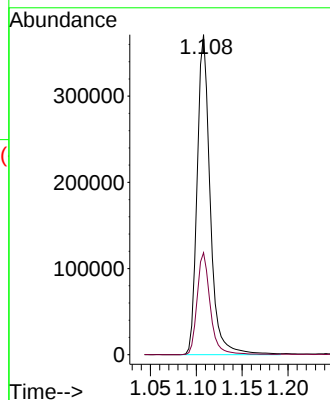
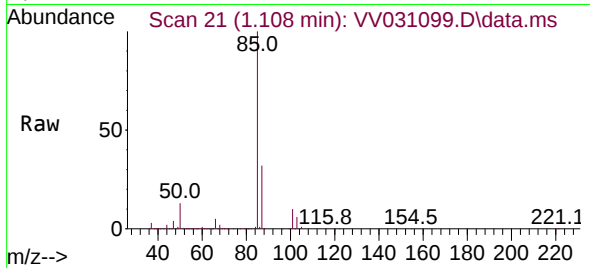




#2
 Dichlorodifluoromethane
 Concen: 151.893 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

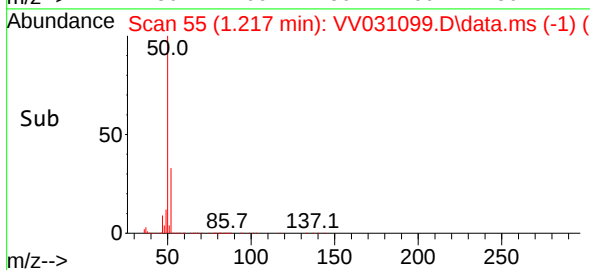
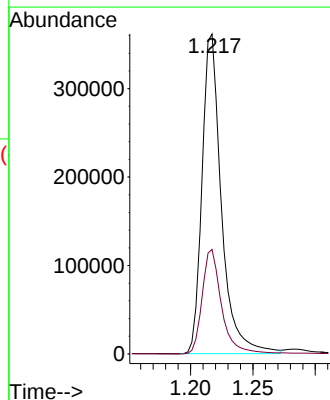
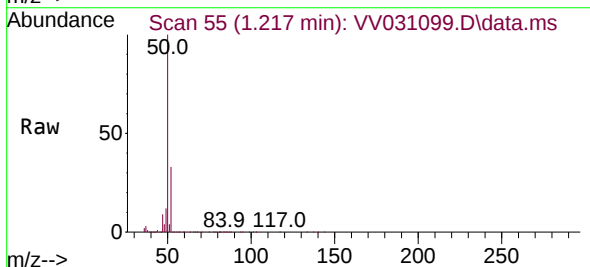
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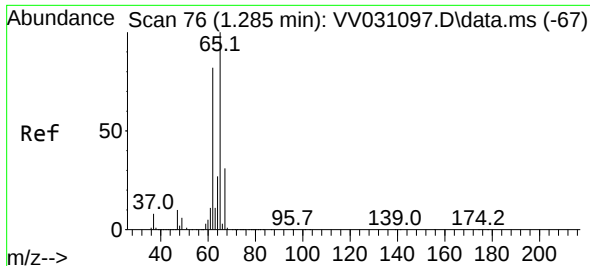
Tgt Ion: 85 Resp: 366838
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.2 37.8



#3
 Chloromethane
 Concen: 126.288 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

Tgt Ion: 50 Resp: 391218
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.3 43.3

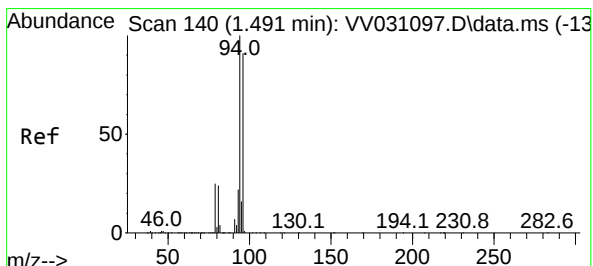
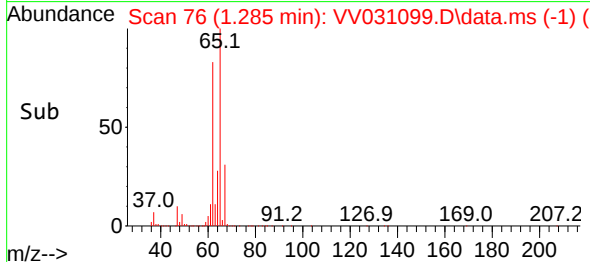
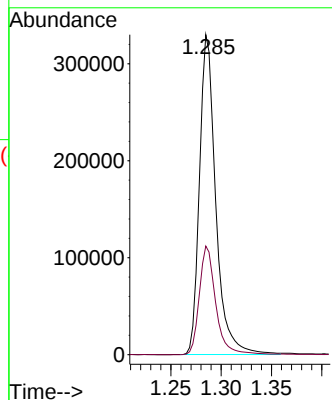
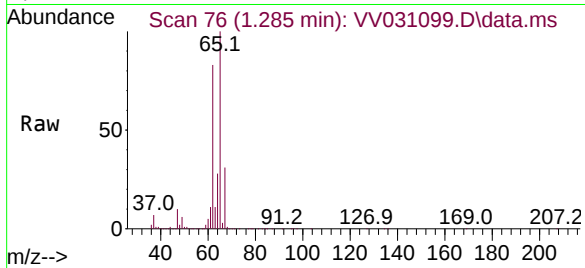




#5
 Vinyl chloride
 Concen: 146.801 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

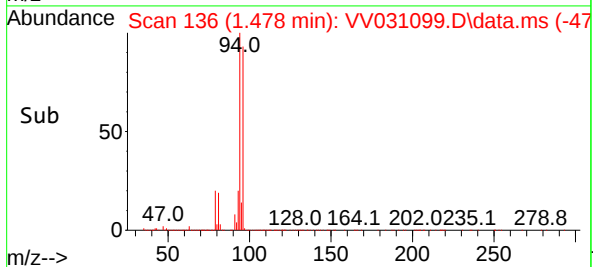
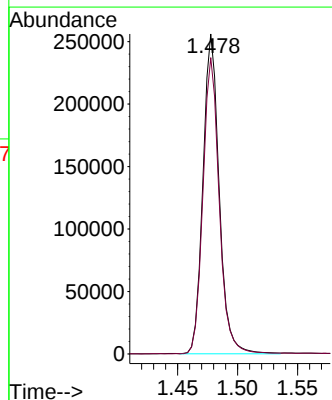
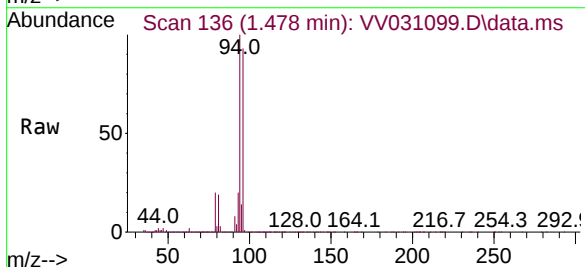
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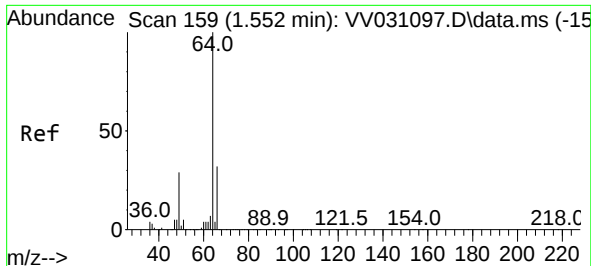
Tgt Ion: 62 Resp: 371149
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.1 42.9



#6
 Bromomethane
 Concen: 230.461 ug/L
 RT: 1.478 min Scan# 136
 Delta R.T. -0.013 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

Tgt Ion: 94 Resp: 241641
 Ion Ratio Lower Upper
 94 100
 96 92.6 63.9 118.7

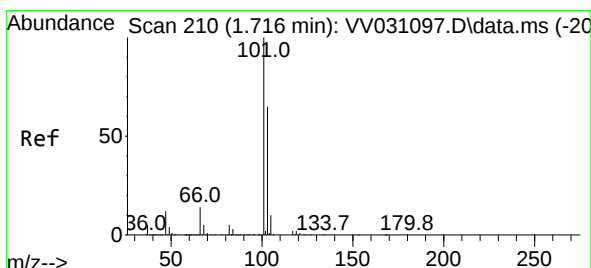
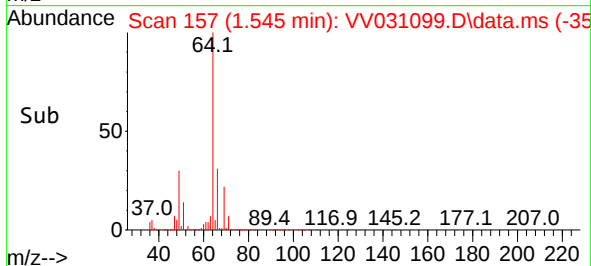
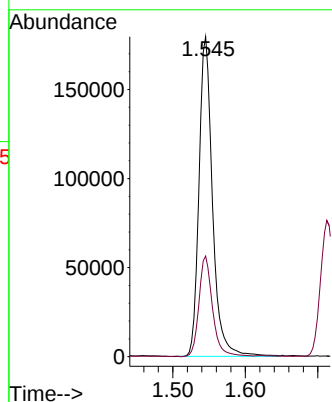
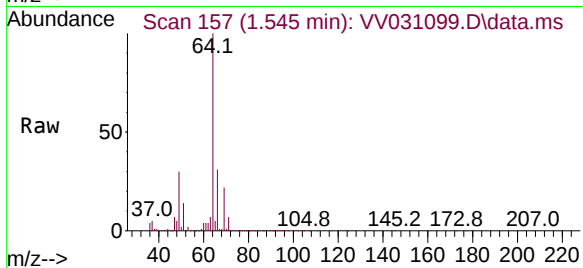




#8
Chloroethane
Concen: 135.785 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

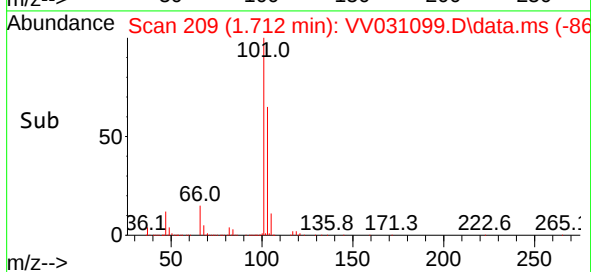
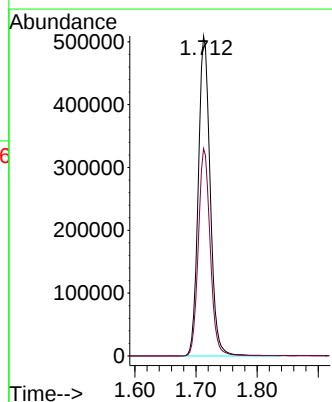
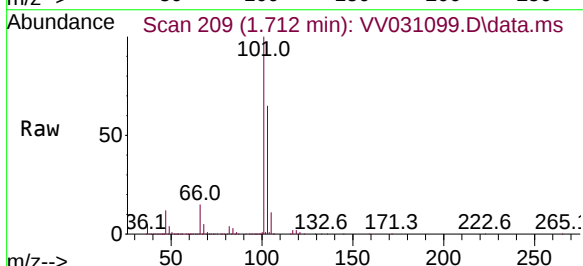
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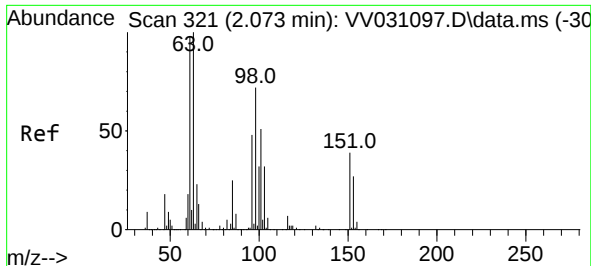
Tgt Ion: 64 Resp: 232692
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 163.477 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion:101 Resp: 687534
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

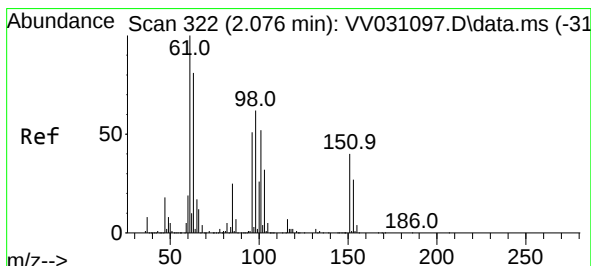
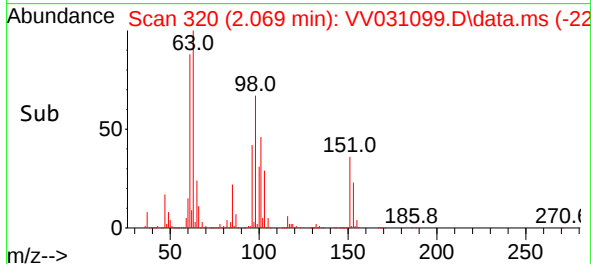
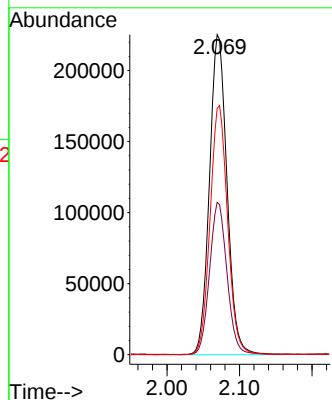
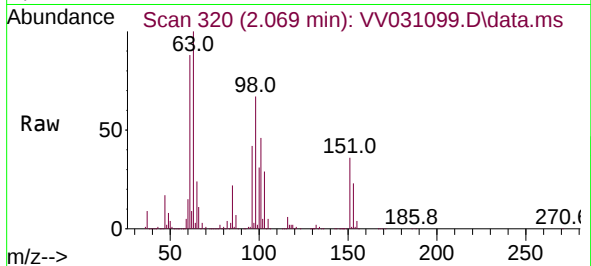




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 170.818 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

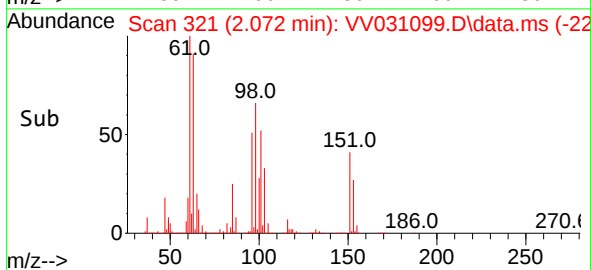
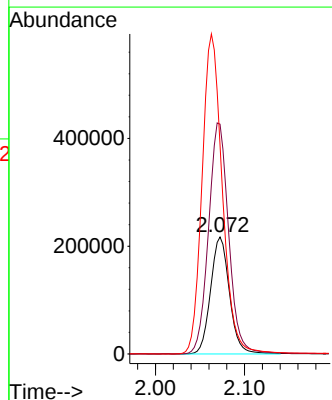
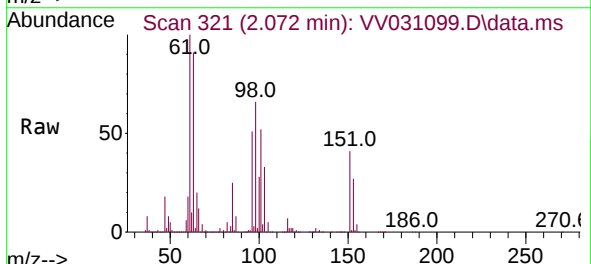
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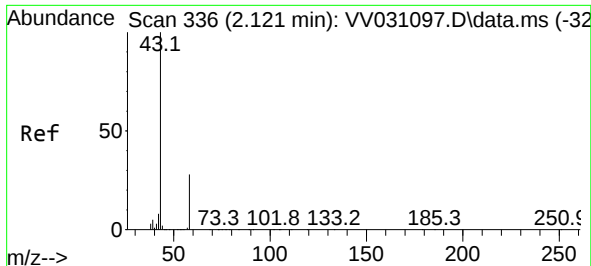
Tgt Ion:101 Resp: 379339
 Ion Ratio Lower Upper
 101 100
 85 47.2 38.0 57.0
 151 78.2 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 161.742 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031099.D
 Acq: 19 May 2023 11:04

Tgt Ion: 96 Resp: 318398
 Ion Ratio Lower Upper
 96 100
 61 196.4 137.9 256.1
 63 178.5 114.2 212.0





#13

Acetone

Concen: 293.148 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

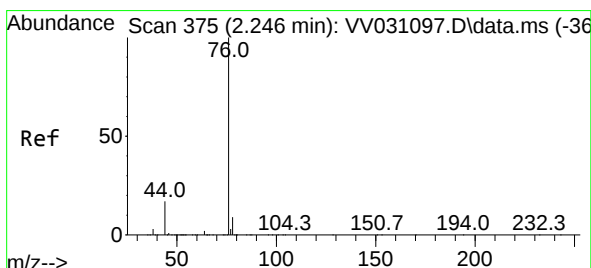
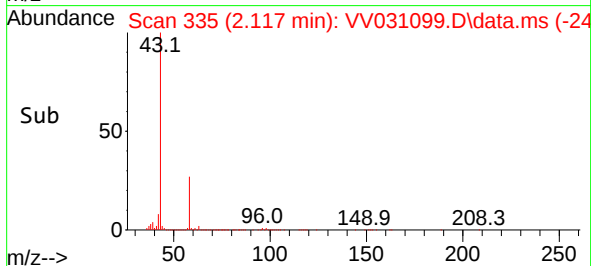
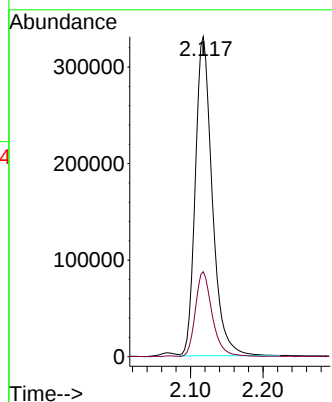
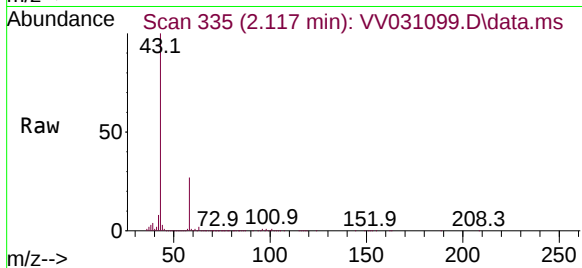
VSTD200225

Tgt Ion: 43 Resp: 535131

Ion Ratio Lower Upper

43 100

58 26.3 0.0 54.0



#14

Carbon disulfide

Concen: 114.031 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031099.D

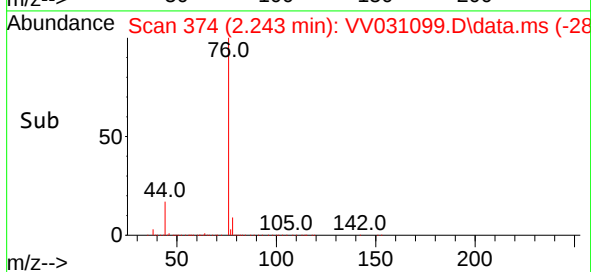
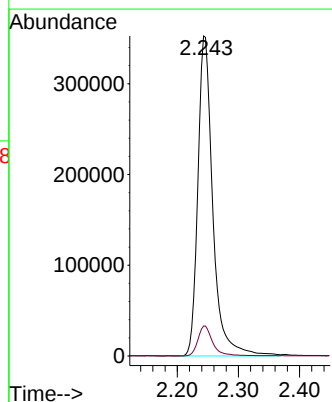
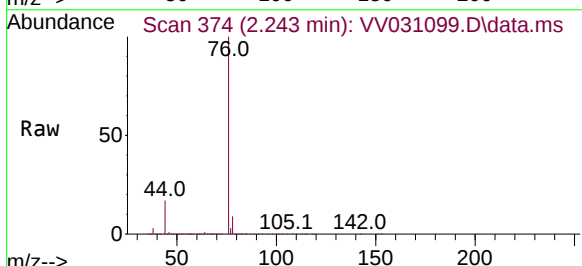
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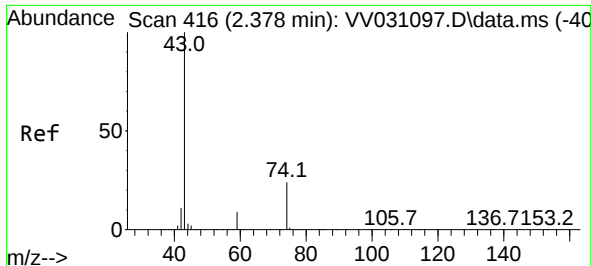
Tgt Ion: 76 Resp: 600160

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

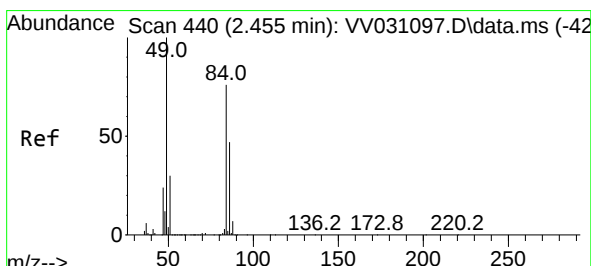
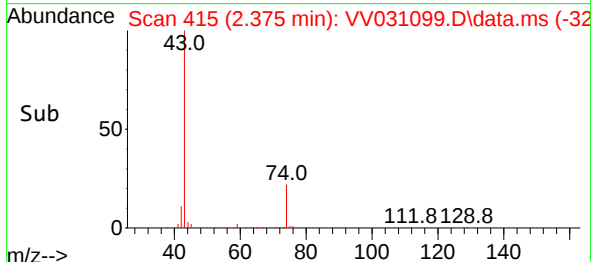
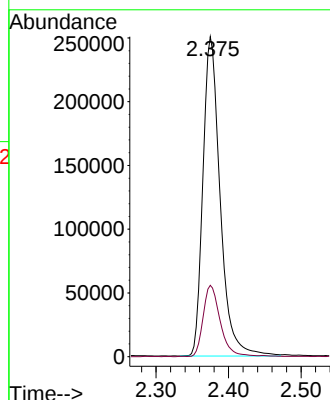
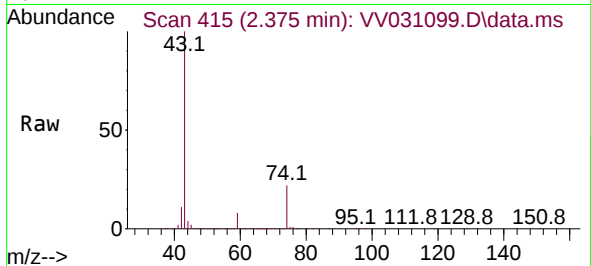




#15
Methyl Acetate
Concen: 175.063 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

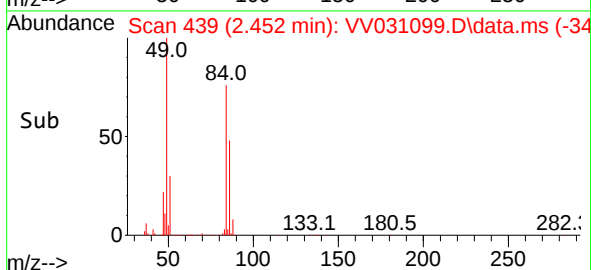
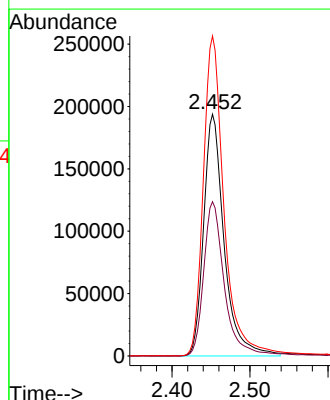
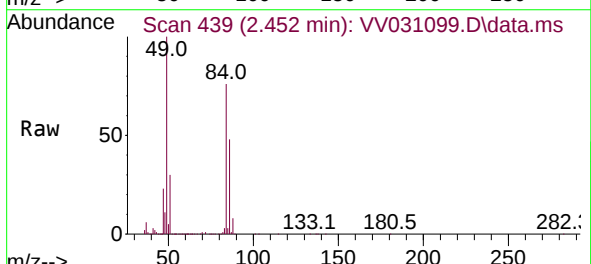
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

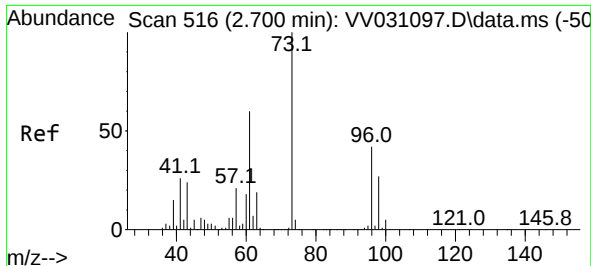
Tgt Ion: 43 Resp: 413463
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1



#16
Methylene chloride
Concen: 157.168 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 84 Resp: 353633
Ion Ratio Lower Upper
84 100
86 63.8 43.3 80.3
49 132.4 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 158.326 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

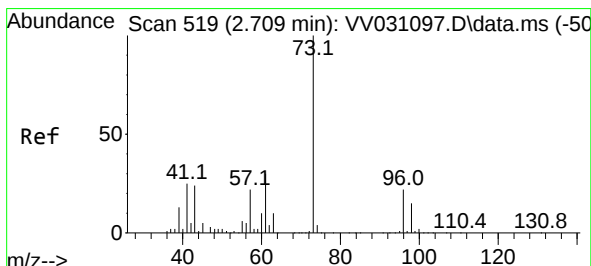
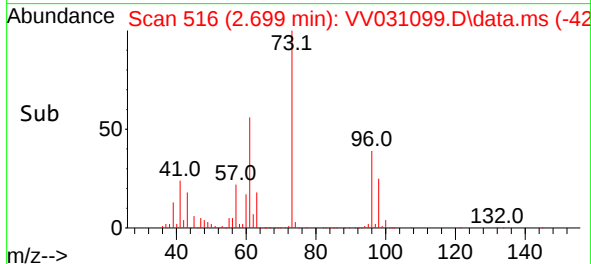
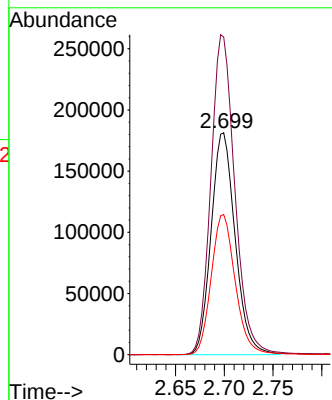
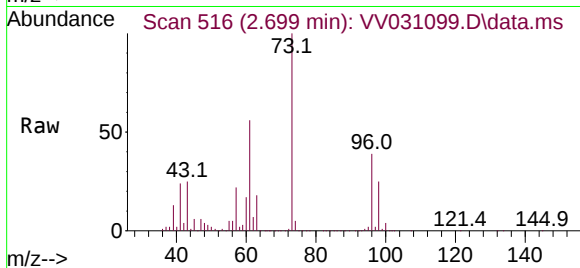
Tgt Ion: 96 Resp: 312212

Ion Ratio Lower Upper

96 100

61 143.1 100.0 185.6

98 63.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 201.847 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

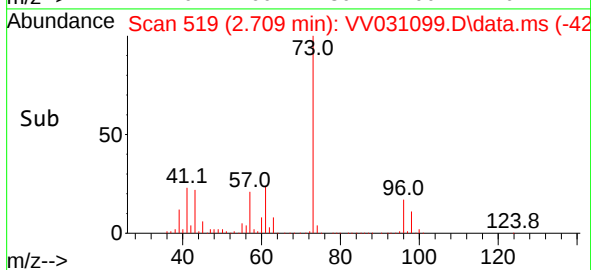
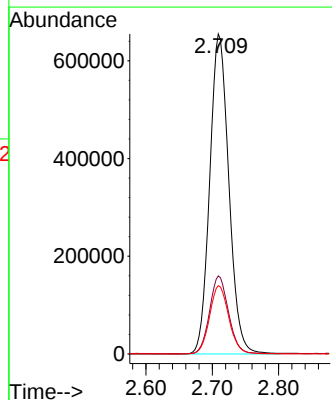
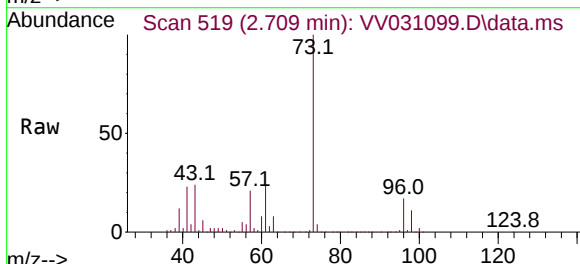
Tgt Ion: 73 Resp: 1310026

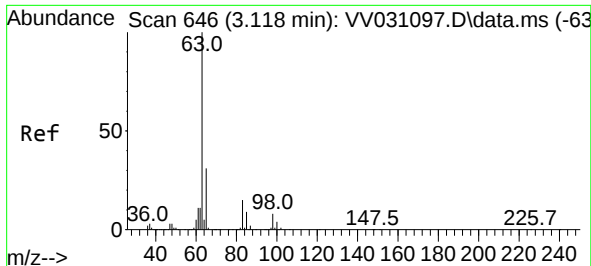
Ion Ratio Lower Upper

73 100

43 24.1 19.4 29.2

57 21.5 17.1 25.7

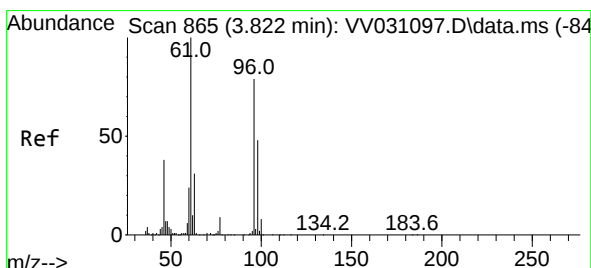
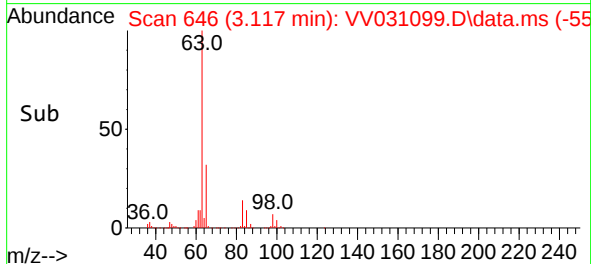
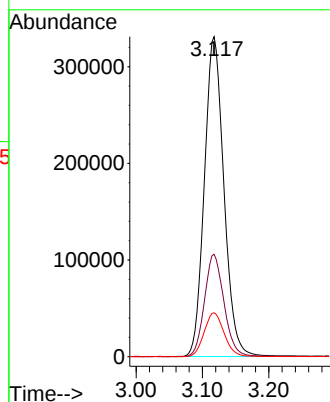
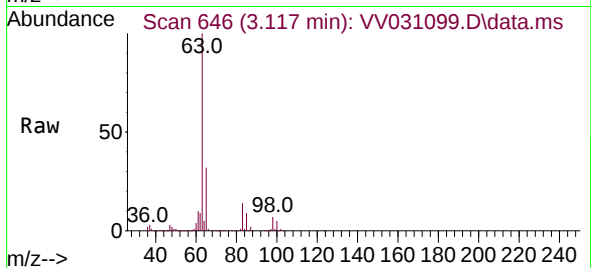




#19
1,1-Dichloroethane
Concen: 165.626 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

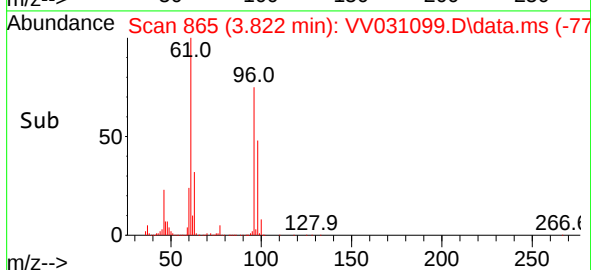
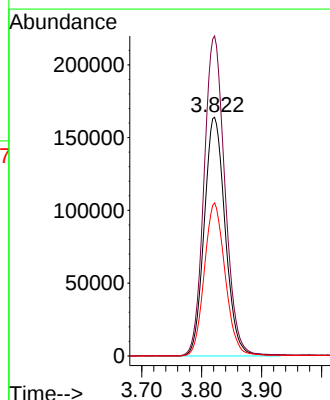
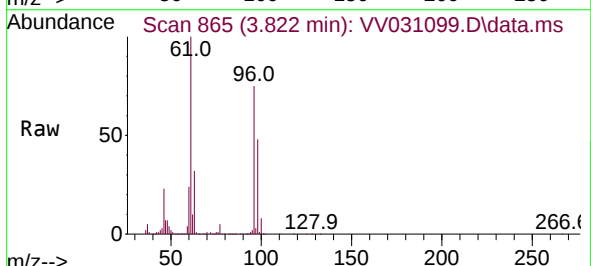
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

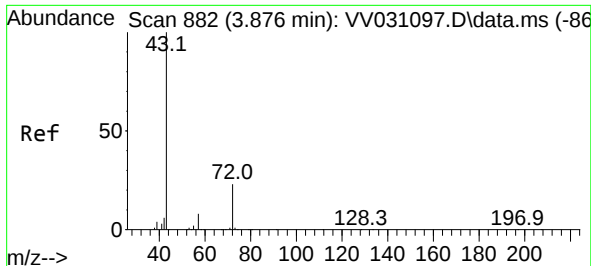
Tgt Ion: 63 Resp: 677831
Ion Ratio Lower Upper
63 100
65 32.0 21.9 40.7
83 13.7 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 182.853 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 96 Resp: 400029
Ion Ratio Lower Upper
96 100
61 134.1 89.2 165.6
98 64.2 43.0 80.0

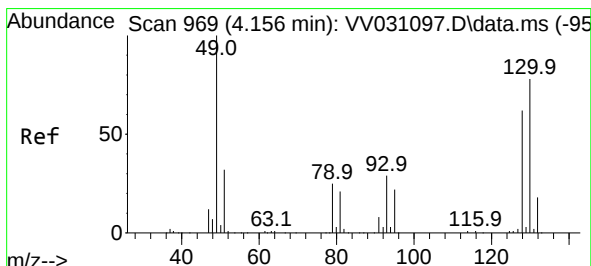
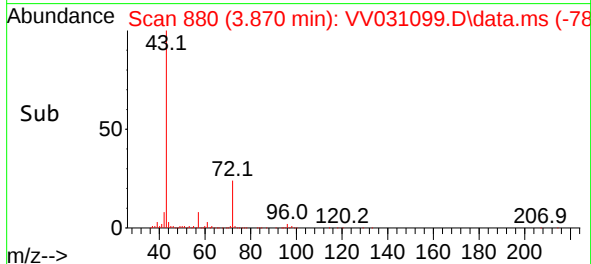
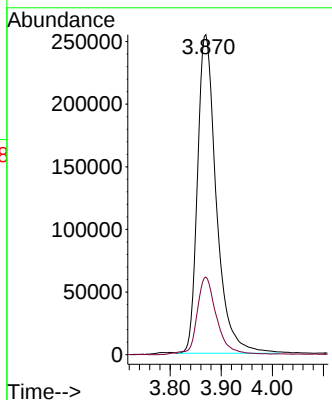
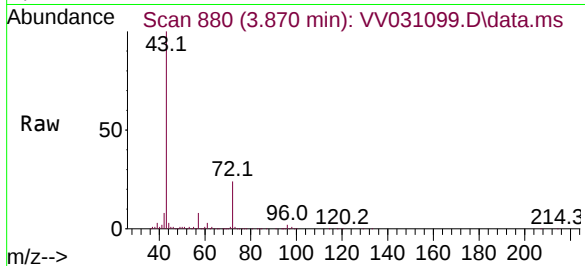




#22
2-Butanone
Concen: 349.600 ug/L
RT: 3.870 min Scan# 882
Delta R.T. -0.007 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

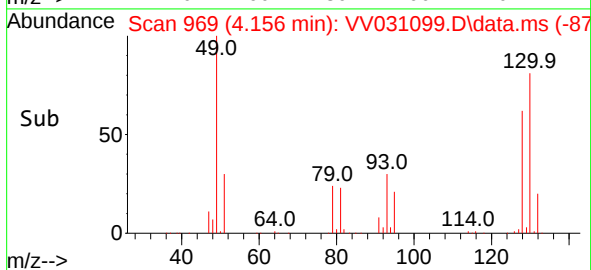
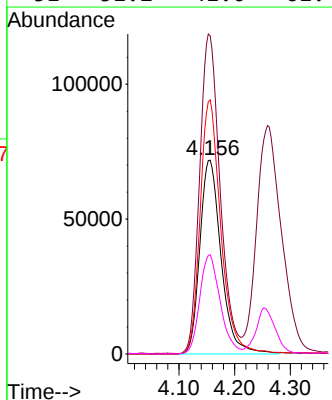
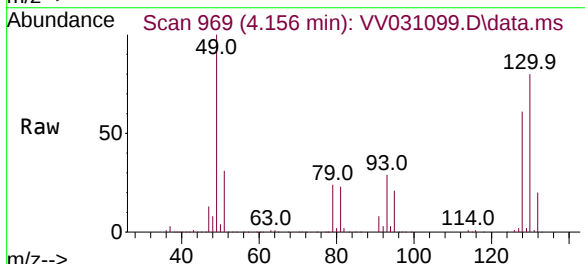
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

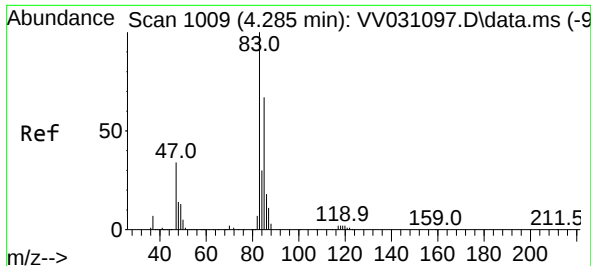
Tgt Ion: 43 Resp: 651662
Ion Ratio Lower Upper
43 100
72 25.4 11.9 35.7



#23
Bromochloromethane
Concen: 156.252 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 128 Resp: 190221
Ion Ratio Lower Upper
128 100
49 164.2 113.2 210.2
130 131.2 87.5 162.5
51 51.2 41.0 61.4





#25

Chloroform

Concen: 179.304 ug/L

RT: 4.281 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

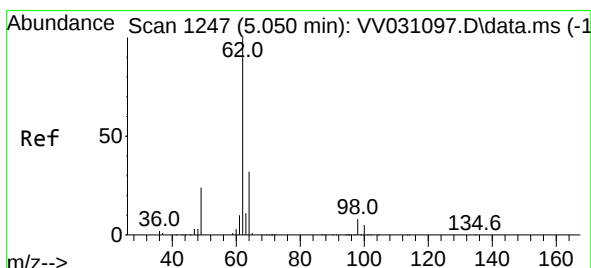
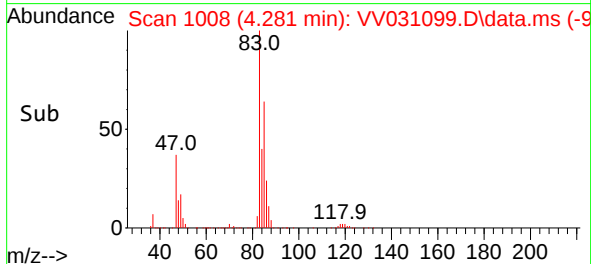
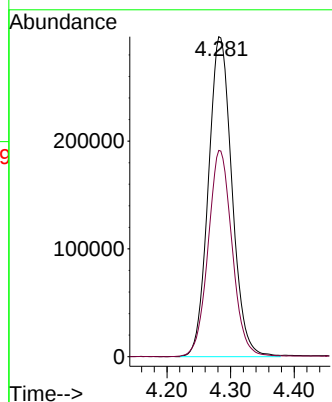
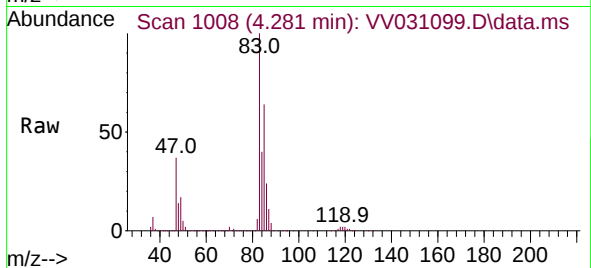
VSTD200225

Tgt Ion: 83 Resp: 765461

Ion Ratio Lower Upper

83 100

85 64.5 47.3 87.9



#27

1,2-Dichloroethane

Concen: 185.504 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VV031099.D

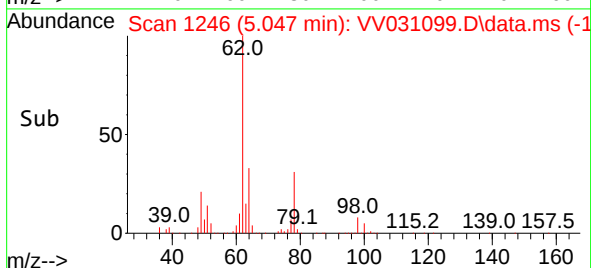
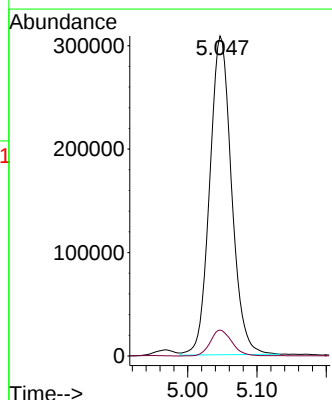
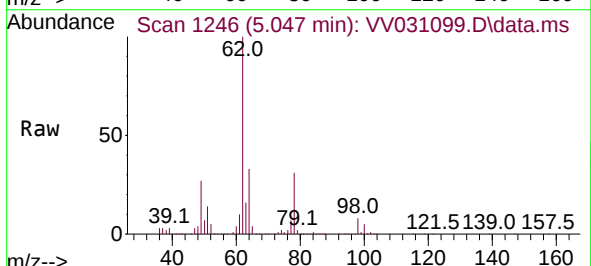
Acq: 19 May 2023 11:04

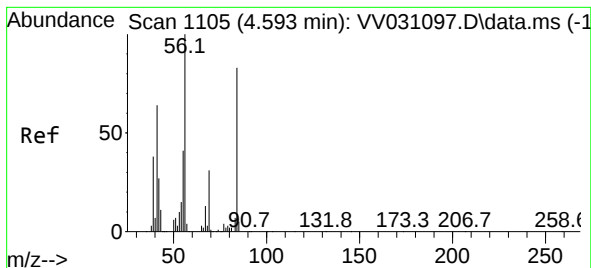
Tgt Ion: 62 Resp: 674289

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5





#29

Cyclohexane

Concen: 154.620 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

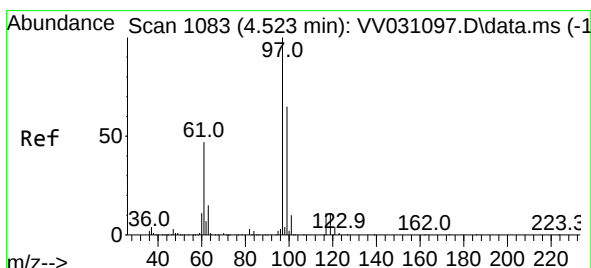
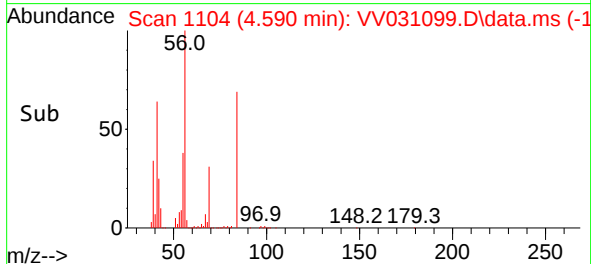
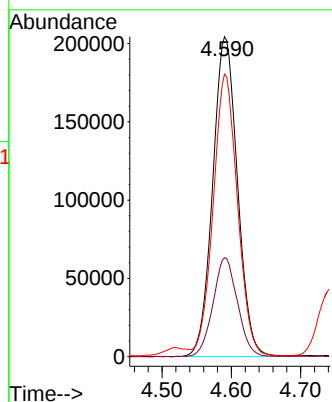
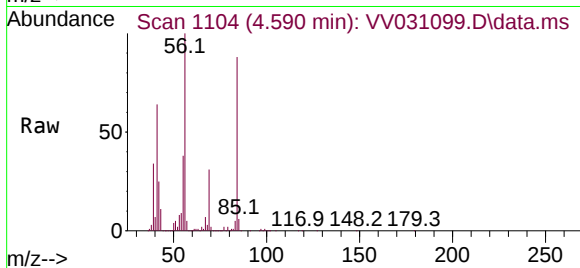
Tgt Ion: 56 Resp: 507089

Ion Ratio Lower Upper

56 100

69 30.7 25.1 37.7

84 86.6 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 172.485 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

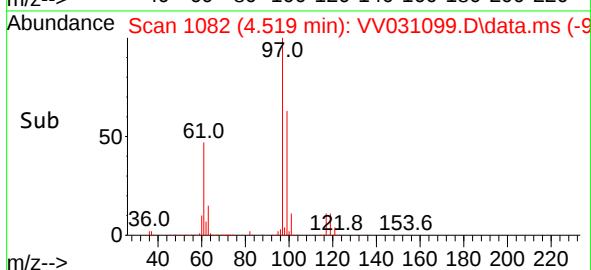
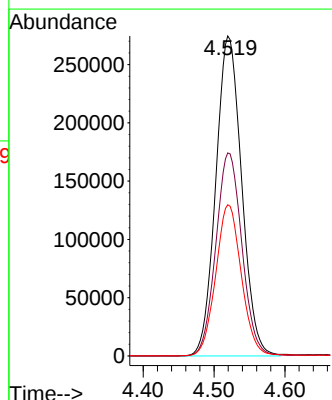
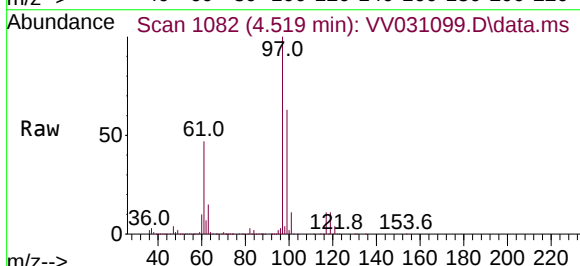
Tgt Ion: 97 Resp: 695908

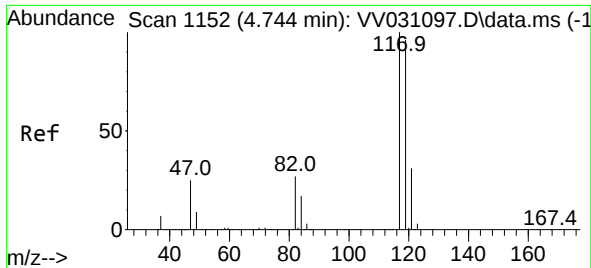
Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

61 46.9 38.2 57.2

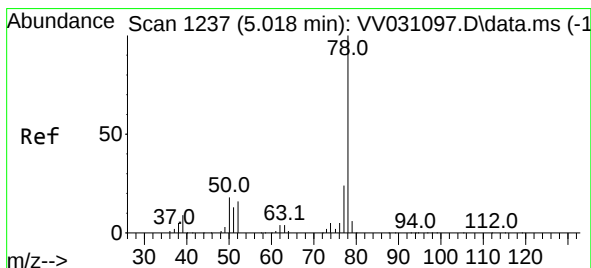
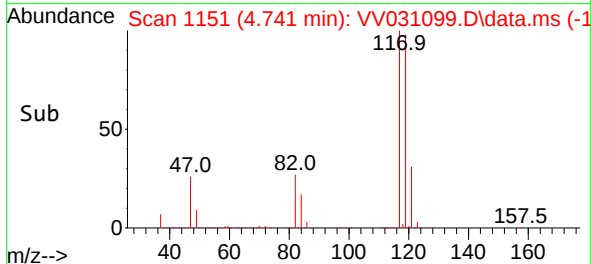
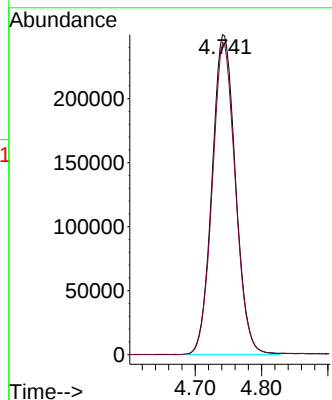
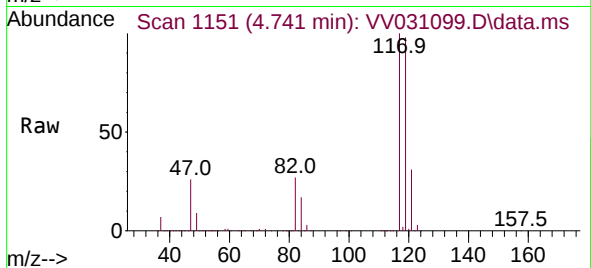




#31
Carbon tetrachloride
Concen: 170.829 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

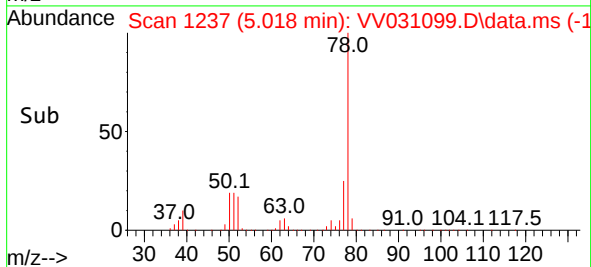
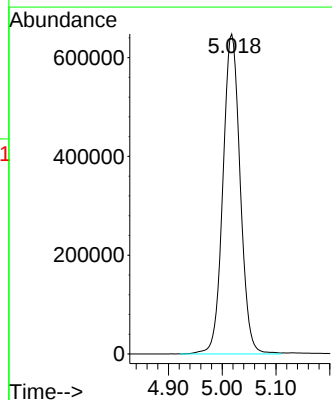
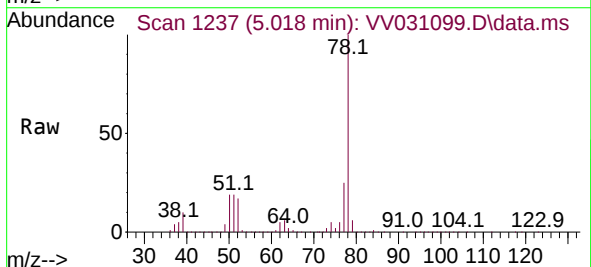
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

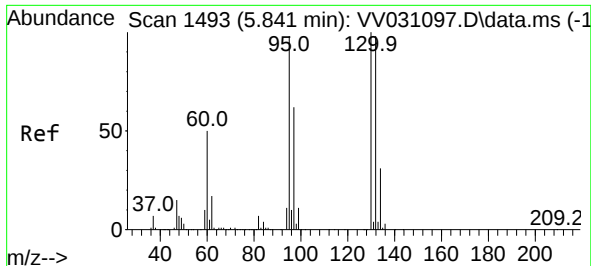
Tgt Ion:117 Resp: 614865
Ion Ratio Lower Upper
117 100
119 96.0 76.9 115.3



#33
Benzene
Concen: 168.833 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 78 Resp: 1444861

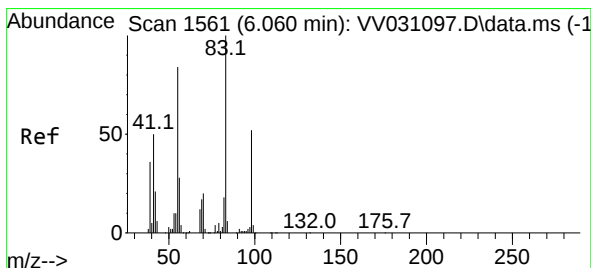
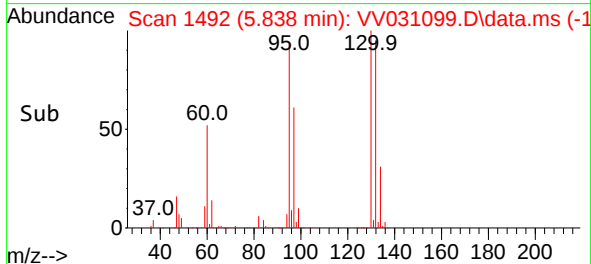
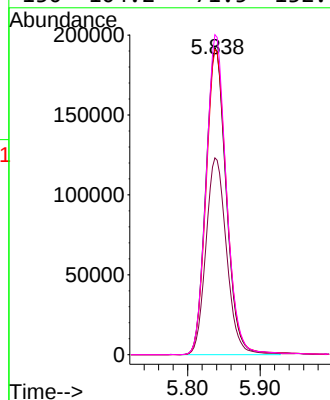
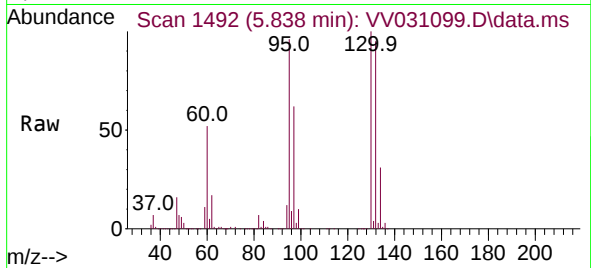




#34
Trichloroethene
Concen: 168.466 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

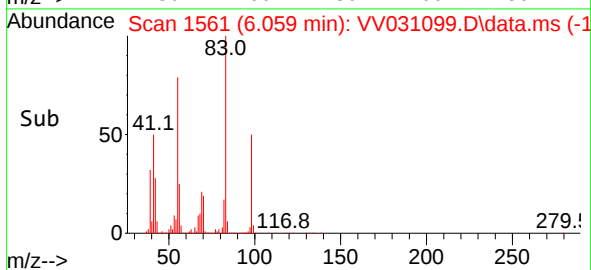
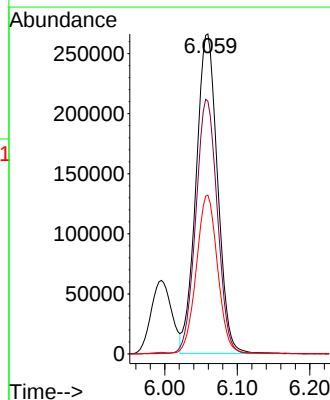
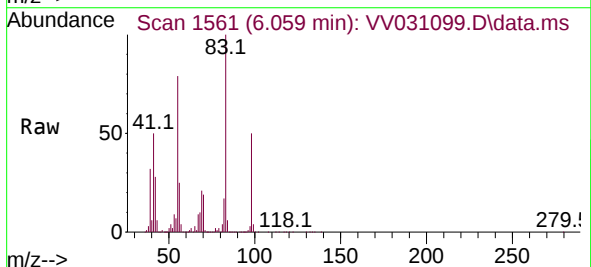
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

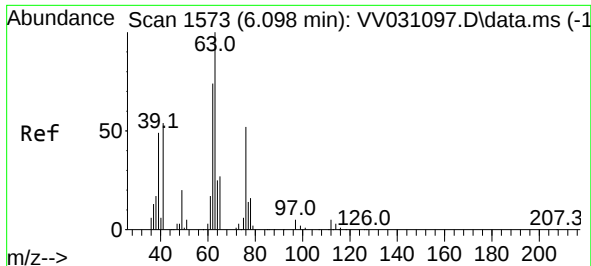
Tgt Ion: 95 Resp: 375756
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.5
132 99.4 70.2 130.4
130 104.2 71.5 132.7



#35
Methylcyclohexane
Concen: 160.356 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 83 Resp: 547406
Ion Ratio Lower Upper
83 100
55 79.4 64.2 96.2
98 49.4 40.0 60.0

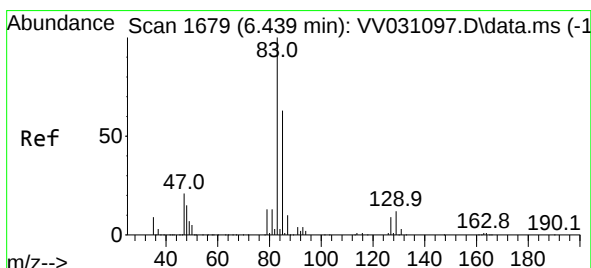
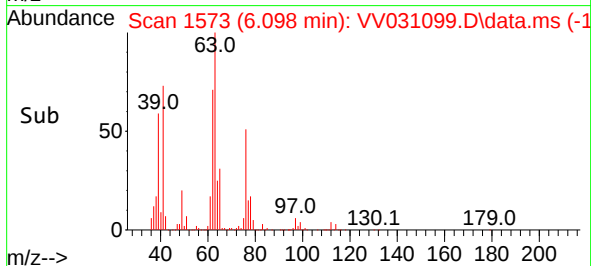
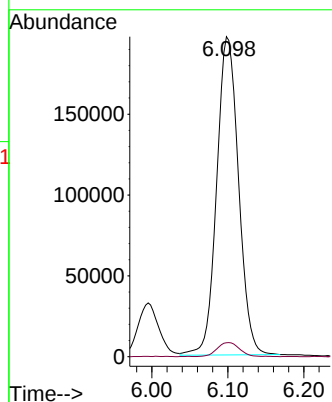
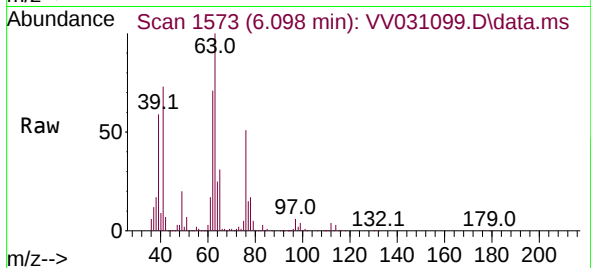




#37
1,2-Dichloropropane
Concen: 169.891 ug/L
RT: 6.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

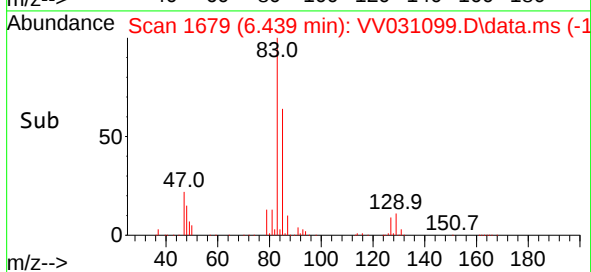
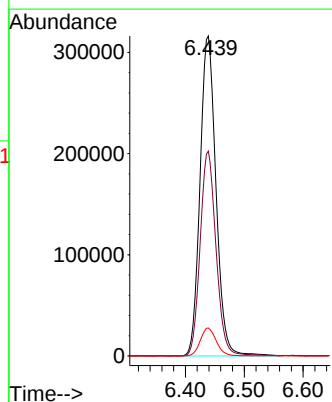
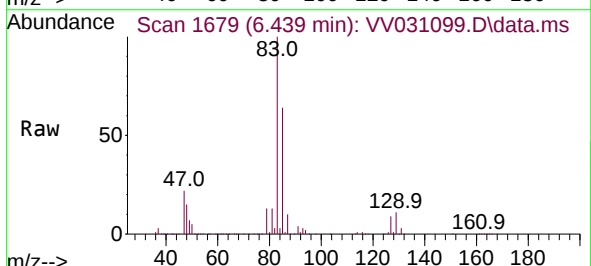
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

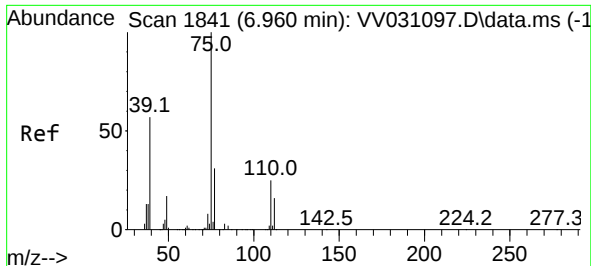
Tgt Ion: 63 Resp: 392828
Ion Ratio Lower Upper
63 100
112 4.4 4.3 6.5



#38
Bromodichloromethane
Concen: 180.494 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 83 Resp: 597218
Ion Ratio Lower Upper
83 100
85 64.0 44.0 81.6
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 200.667 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

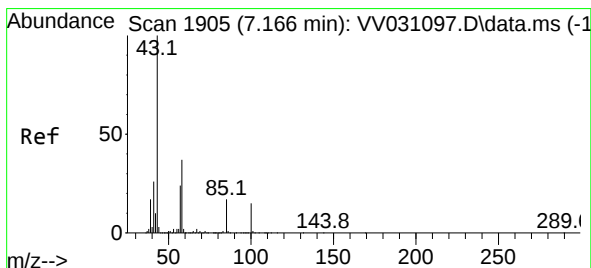
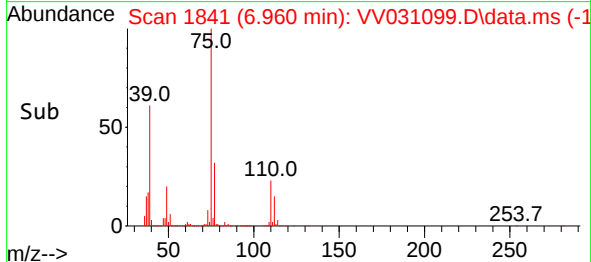
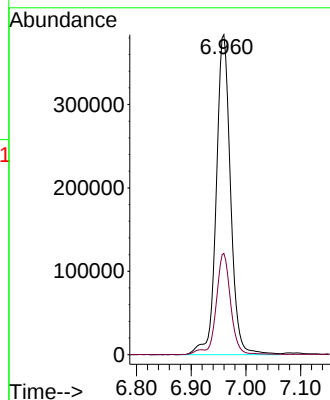
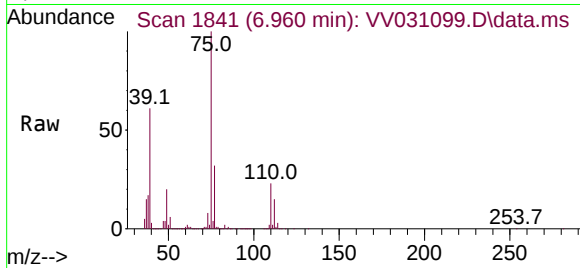
VSTD200225

Tgt Ion: 75 Resp: 697917

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 397.139 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

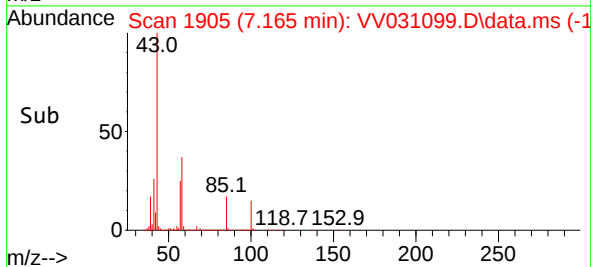
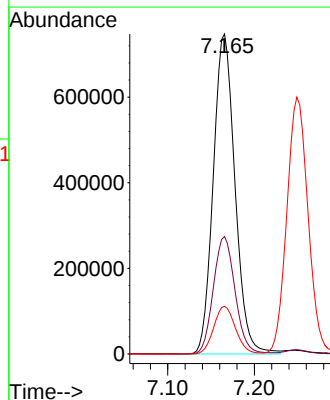
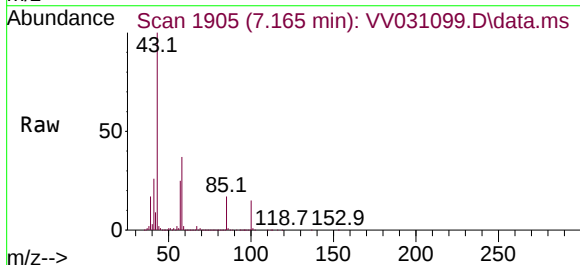
Tgt Ion: 43 Resp: 1302074

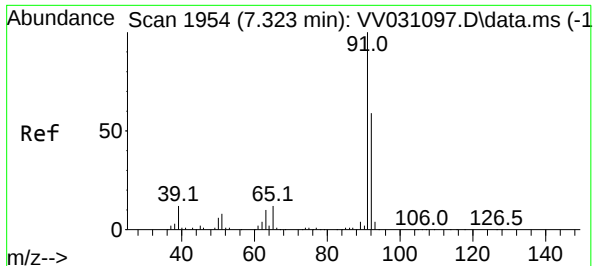
Ion Ratio Lower Upper

43 100

58 36.7 29.0 43.4

100 15.0 12.2 18.4





#42

Toluene

Concen: 178.812 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

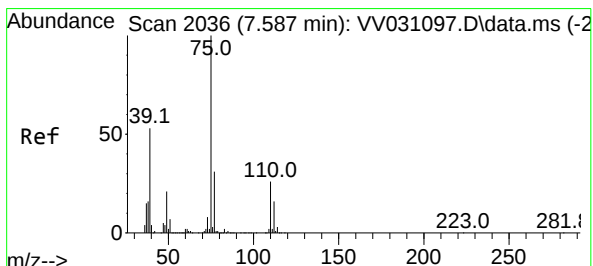
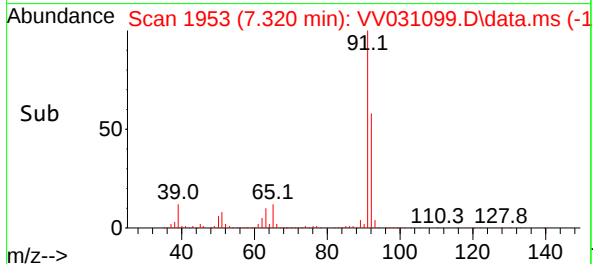
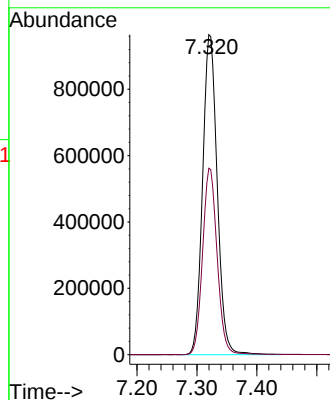
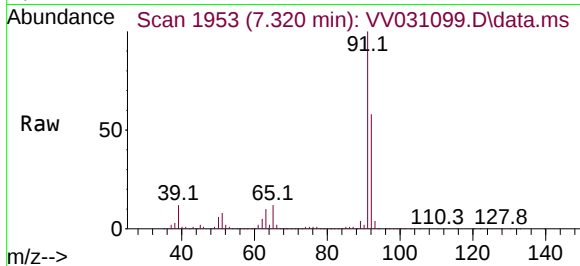
VSTD200225

Tgt Ion: 91 Resp: 1636481

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 202.371 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031099.D

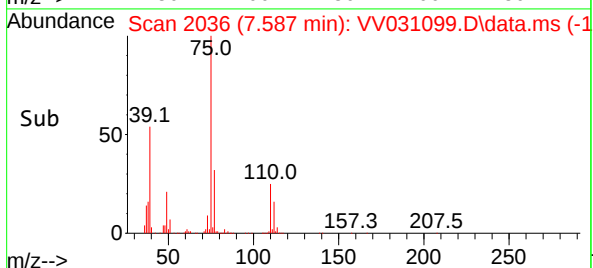
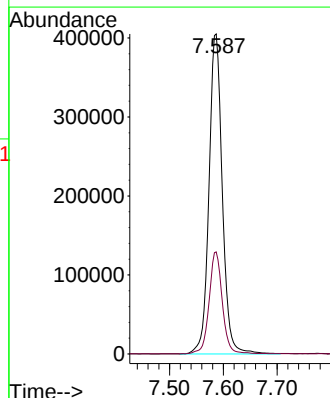
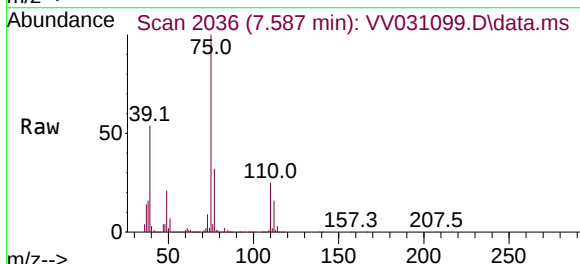
Acq: 19 May 2023 11:04

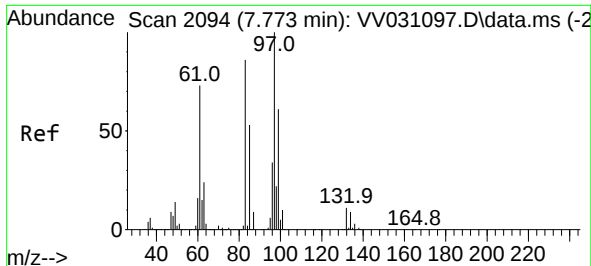
Tgt Ion: 75 Resp: 697216

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



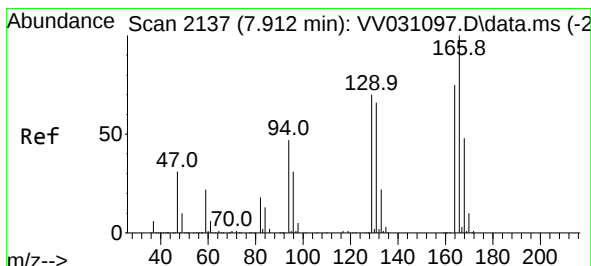
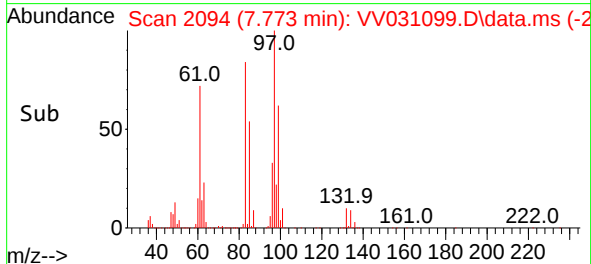
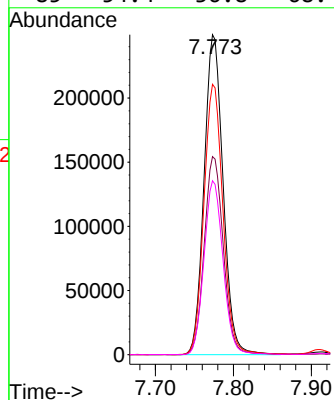
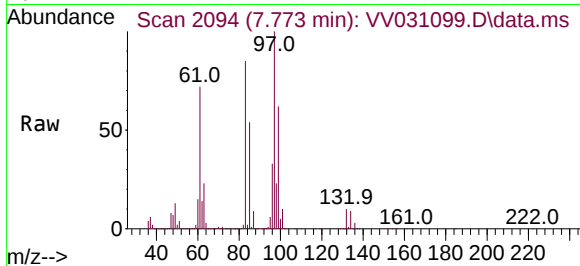


#45
1,1,2-Trichloroethane
Concen: 179.447 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

Tgt Ion: 97 Resp: 422751

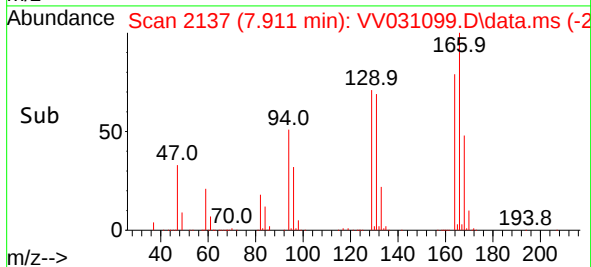
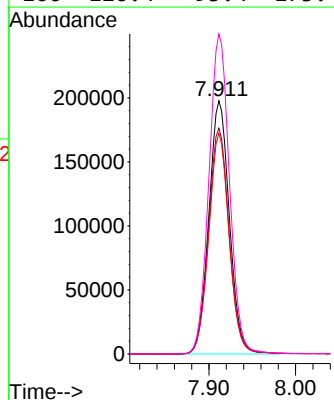
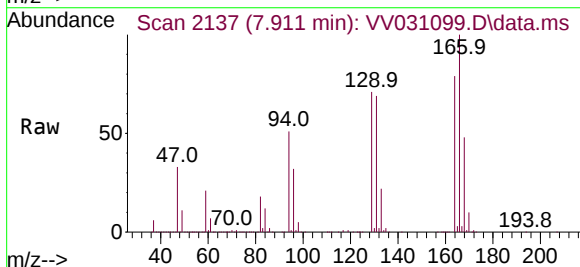
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.2	80.2
83	84.5	60.5	112.3
85	54.4	36.8	68.4

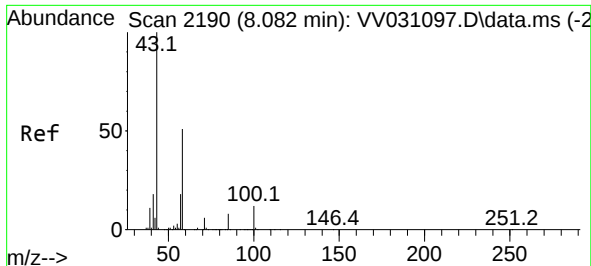


#46
Tetrachloroethene
Concen: 167.832 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 164 Resp: 326529

Ion	Ratio	Lower	Upper
164	100		
129	89.2	65.5	121.7
131	87.2	62.1	115.3
166	126.4	93.4	173.4

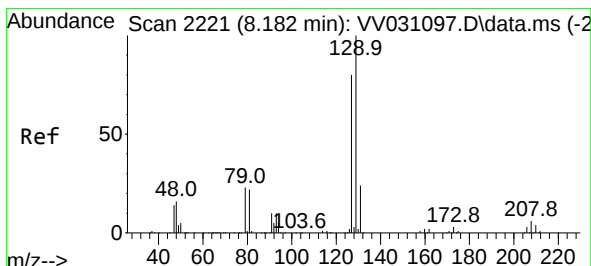
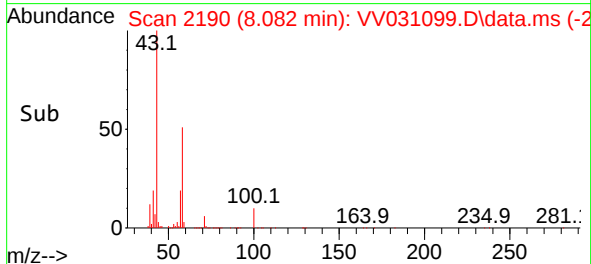
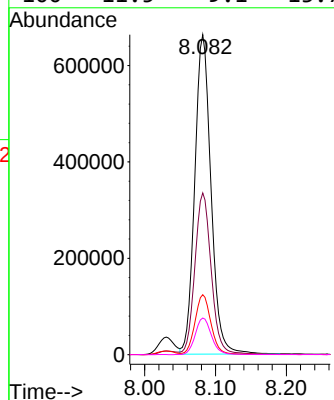
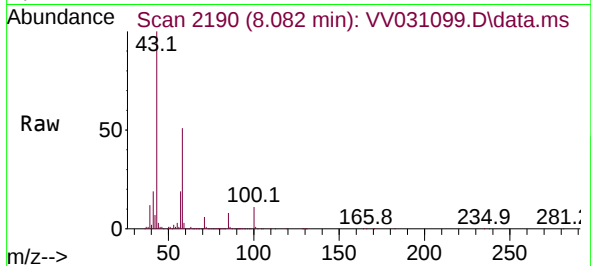




#48
2-Hexanone
Concen: 387.127 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

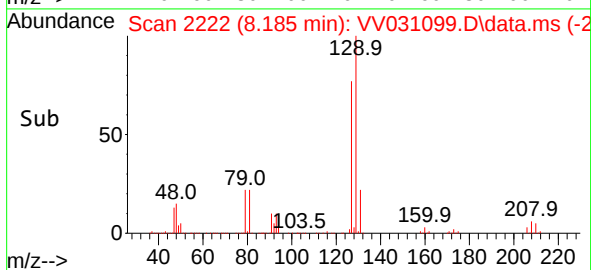
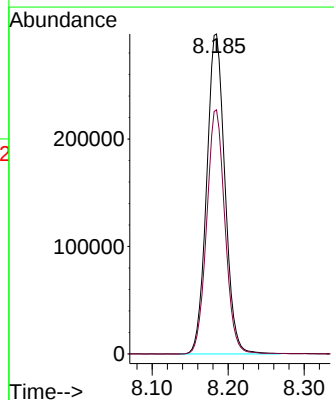
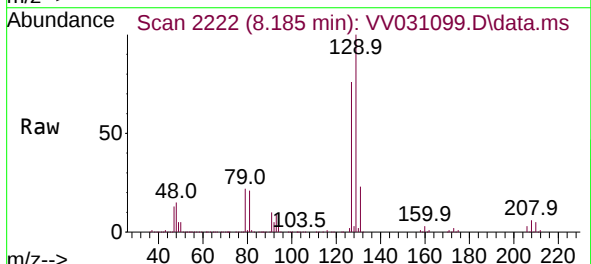
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

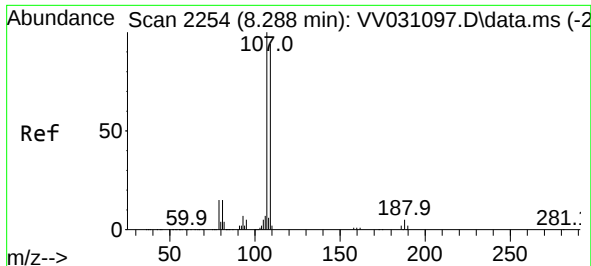
Tgt Ion: 43 Resp: 1055046
Ion Ratio Lower Upper
43 100
58 50.6 39.8 59.6
57 18.2 14.4 21.6
100 11.5 9.1 13.7



#49
Dibromochloromethane
Concen: 190.975 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 129 Resp: 496797
Ion Ratio Lower Upper
129 100
127 76.3 56.1 104.1





#50

1,2-Dibromoethane

Concen: 177.667 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

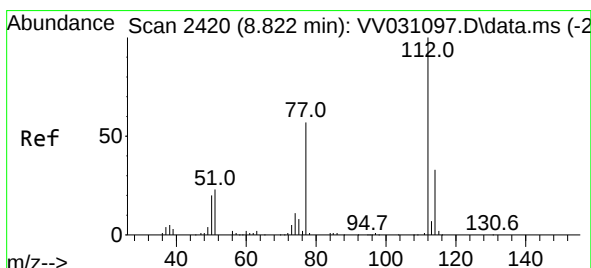
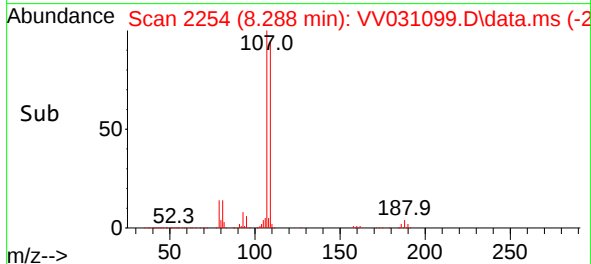
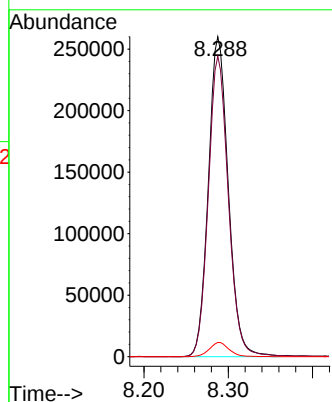
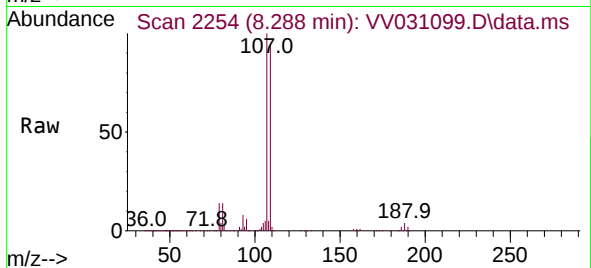
Tgt Ion:107 Resp: 428794

Ion Ratio Lower Upper

107 100

109 93.9 65.6 121.8

188 4.5 3.8 5.6



#51

Chlorobenzene

Concen: 180.295 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

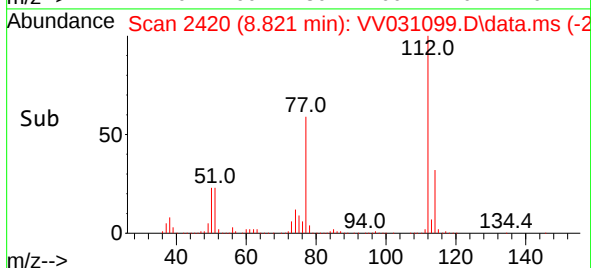
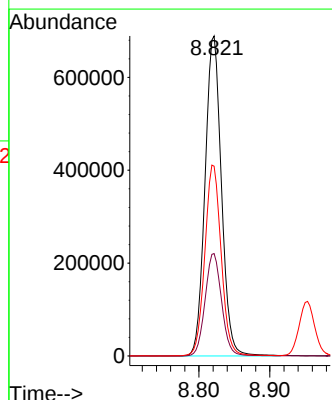
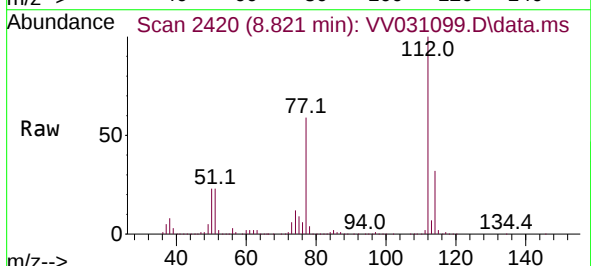
Tgt Ion:112 Resp: 1108322

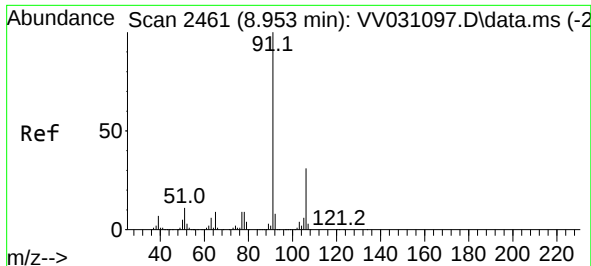
Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.8

77 59.3 46.2 69.4

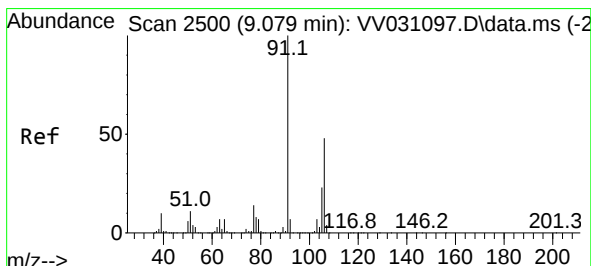
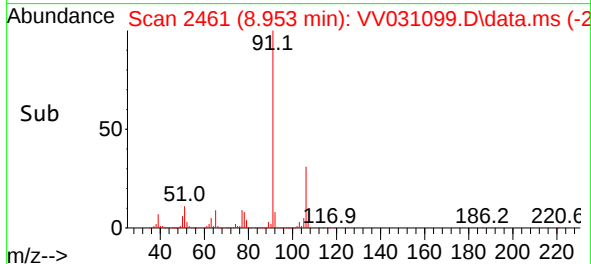
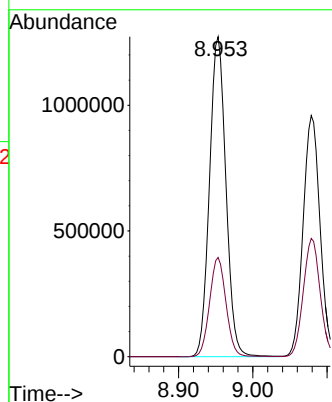
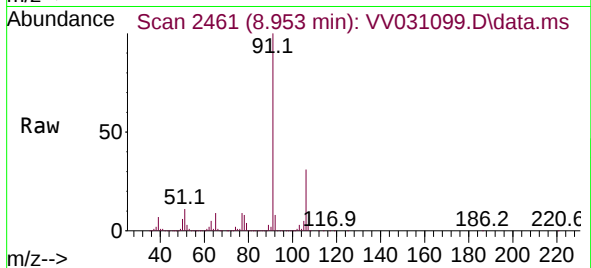




#52
Ethylbenzene
Concen: 191.701 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

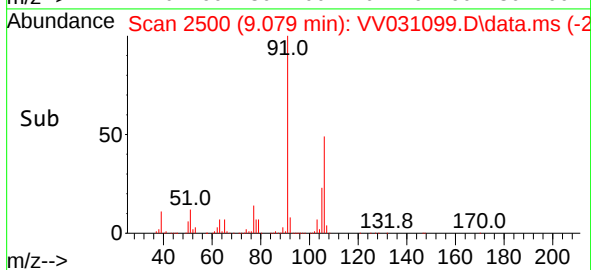
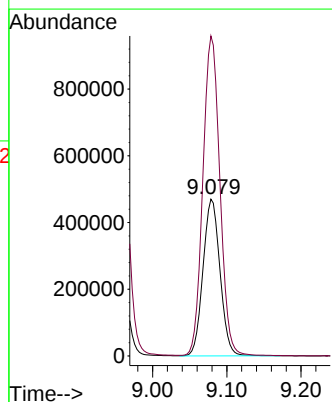
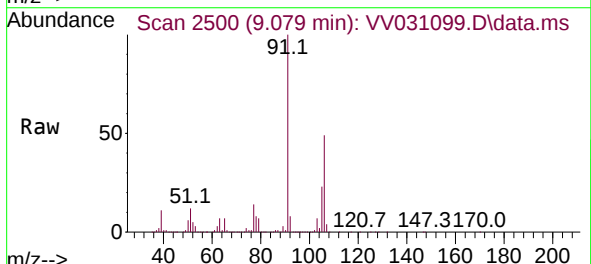
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

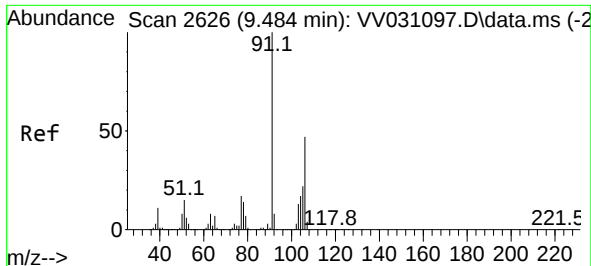
Tgt Ion: 91 Resp: 1950819
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 193.428 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 106 Resp: 744874
Ion Ratio Lower Upper
106 100
91 204.0 145.3 269.8

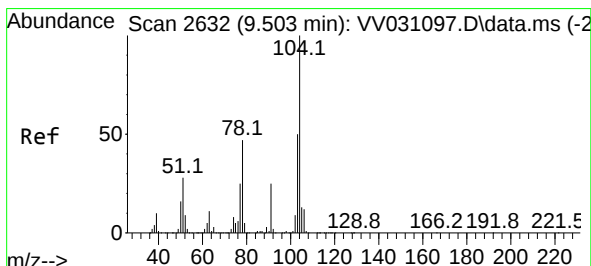
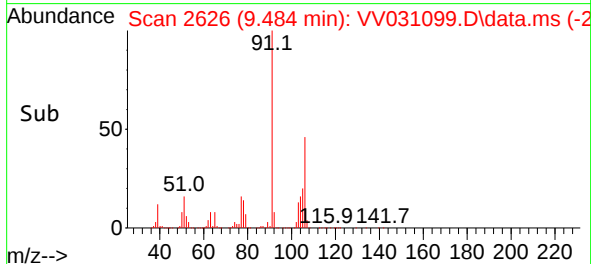
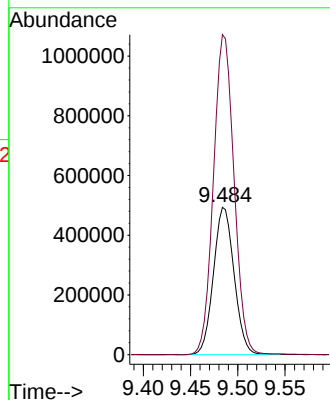
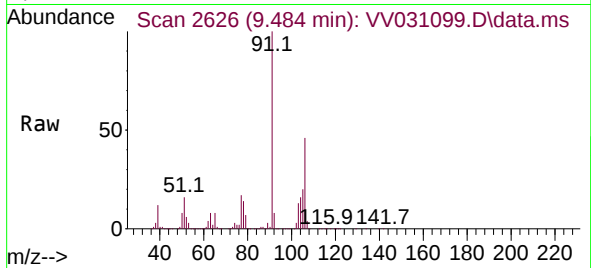




#54
o-Xylene
Concen: 197.935 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

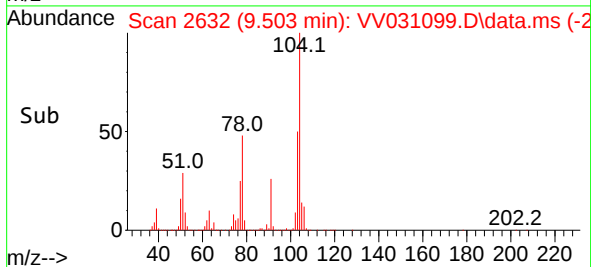
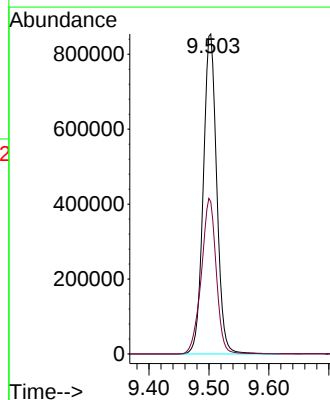
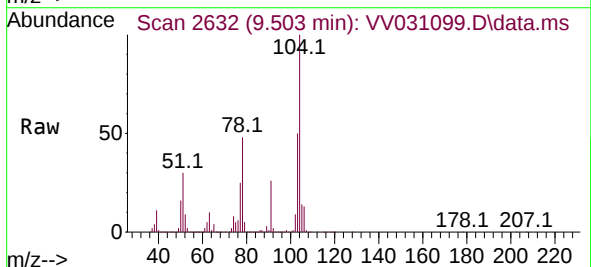
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

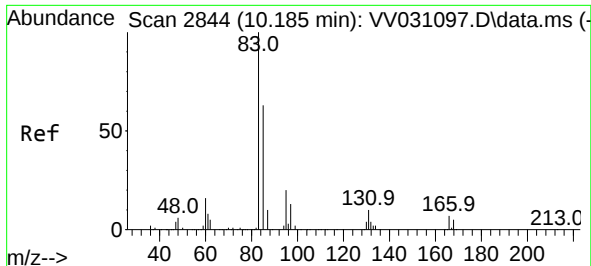
Tgt Ion:106 Resp: 749023
Ion Ratio Lower Upper
106 100
91 217.1 150.4 279.2



#55
Styrene
Concen: 201.552 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion:104 Resp: 1336063
Ion Ratio Lower Upper
104 100
78 47.6 33.2 61.6





#57

1,1,2-Tetrachloroethane

Concen: 187.768 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

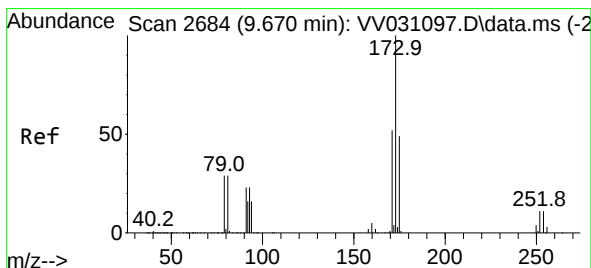
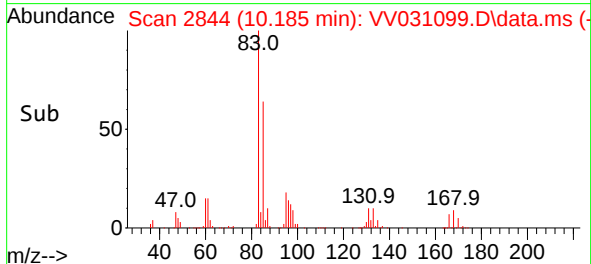
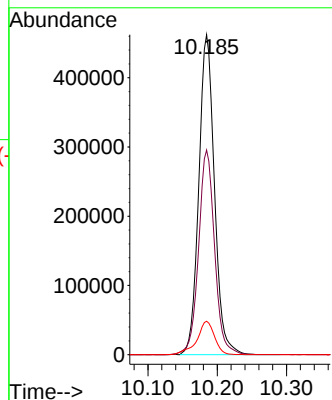
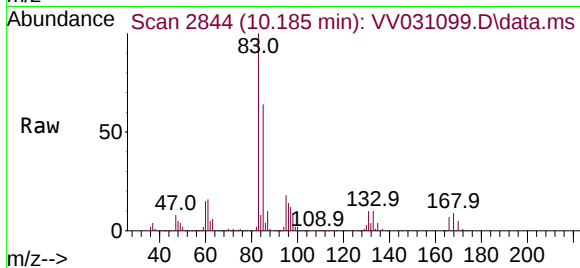
Tgt Ion: 83 Resp: 726190

Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

131 10.4 9.2 13.8



#59

Bromoform

Concen: 180.361 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

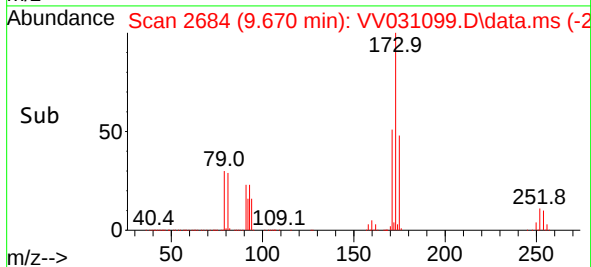
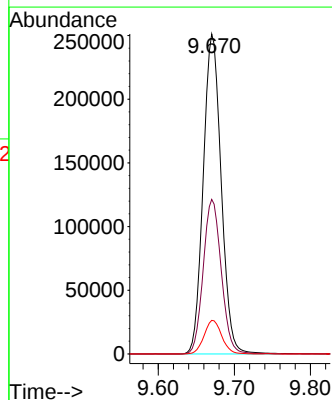
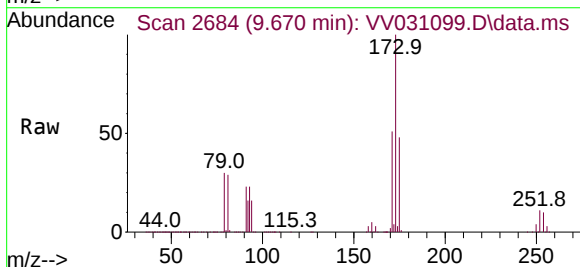
Tgt Ion: 173 Resp: 411704

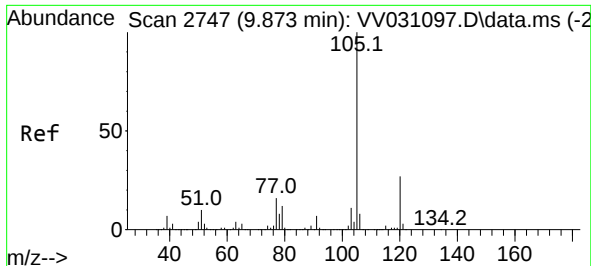
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 10.4 8.8 13.2

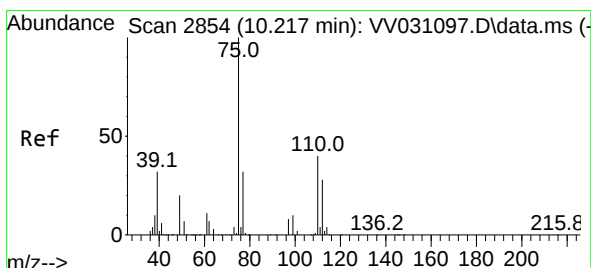
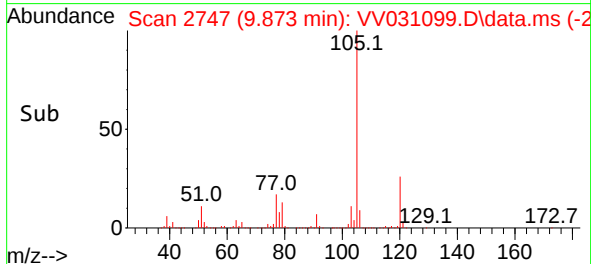
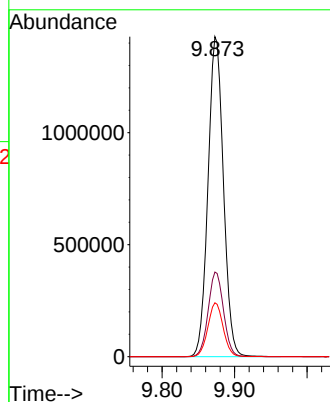
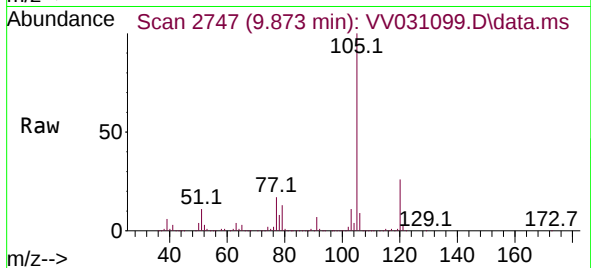




#60
Isopropylbenzene
Concen: 187.949 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

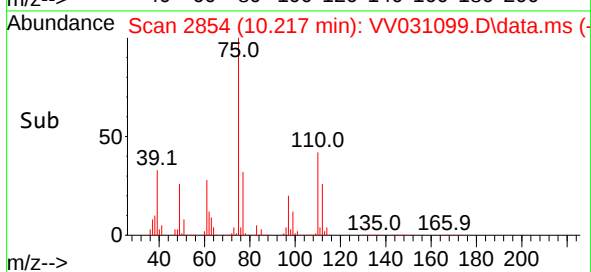
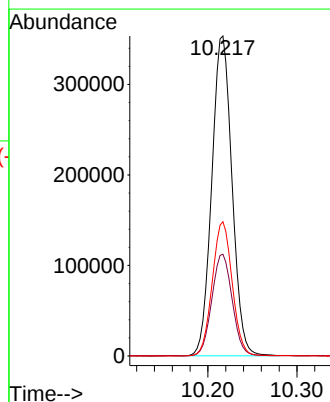
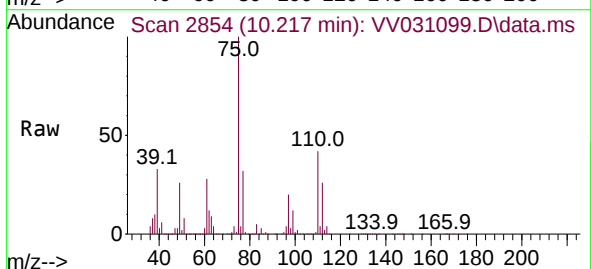
Instrument :
MSVOA_V
ClientSampleId :
VSTD200225

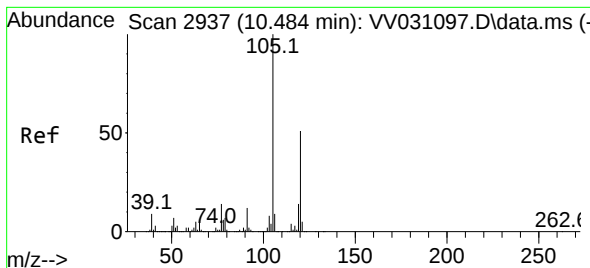
Tgt Ion:105 Resp: 2107222
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 16.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 171.133 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031099.D
Acq: 19 May 2023 11:04

Tgt Ion: 75 Resp: 557218
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 41.5 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 195.311 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

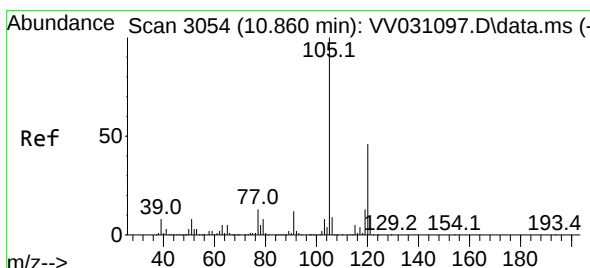
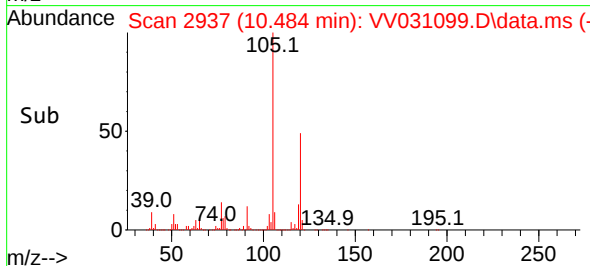
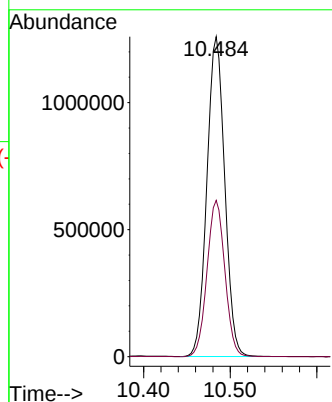
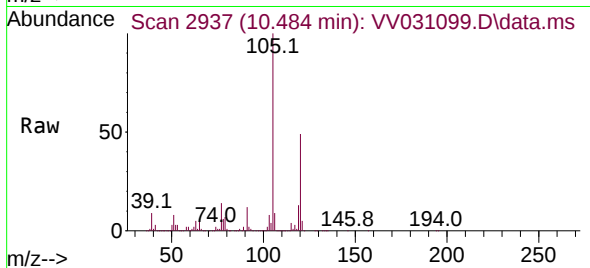
VSTD200225

Tgt Ion:105 Resp: 1797293

Ion Ratio Lower Upper

105 100

120 49.0 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 197.988 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031099.D

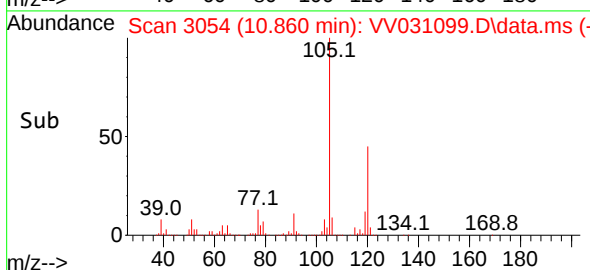
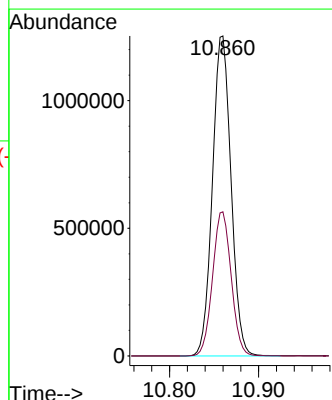
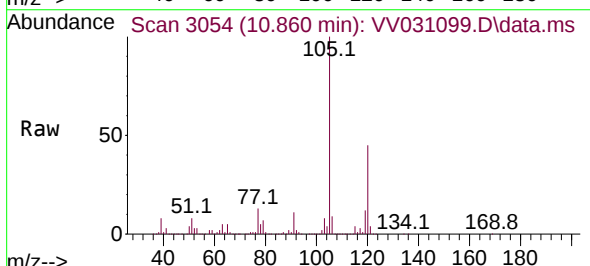
Acq: 19 May 2023 11:04

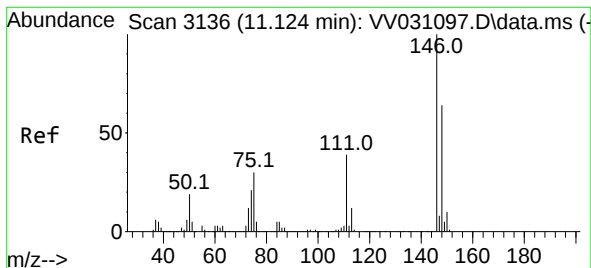
Tgt Ion:105 Resp: 1812700

Ion Ratio Lower Upper

105 100

120 45.2 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 187.263 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

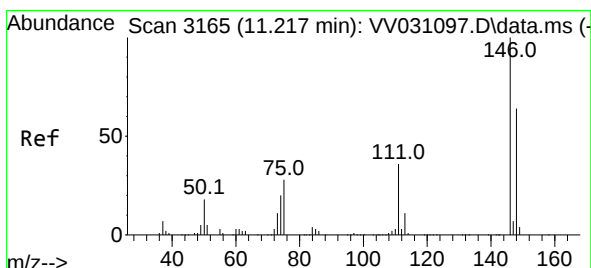
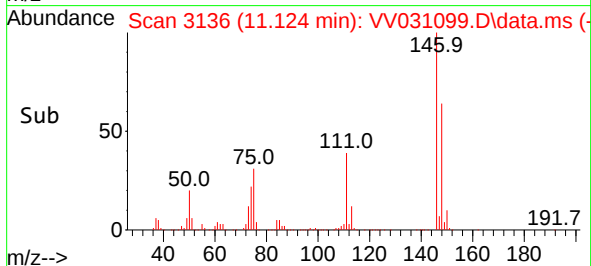
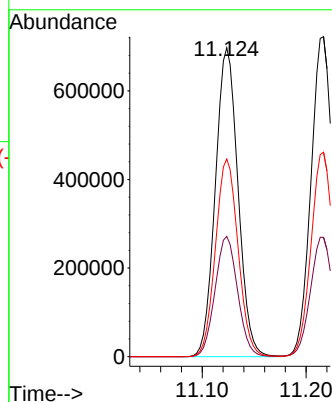
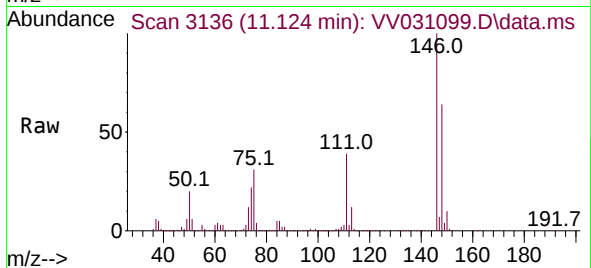
Tgt Ion:146 Resp: 1058819

Ion Ratio Lower Upper

146 100

111 39.0 27.2 50.4

148 64.0 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 182.366 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

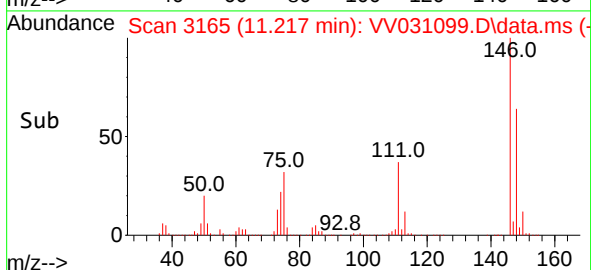
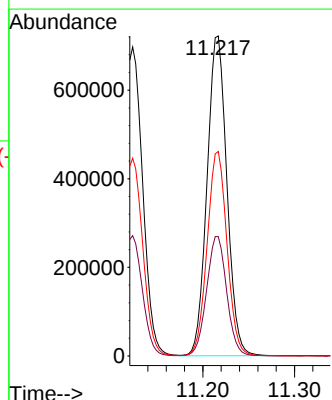
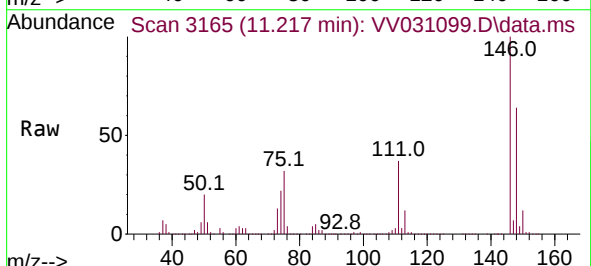
Tgt Ion:146 Resp: 1085716

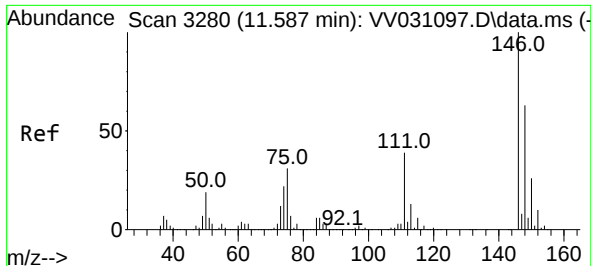
Ion Ratio Lower Upper

146 100

111 37.3 25.5 47.3

148 63.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 191.983 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

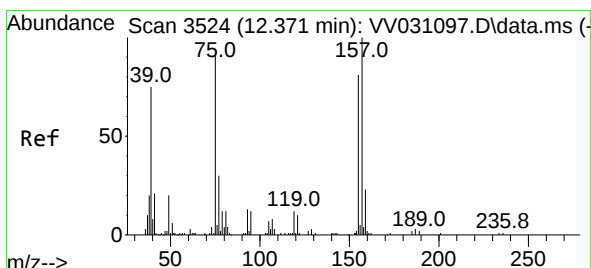
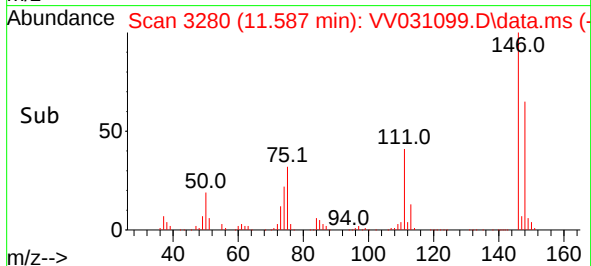
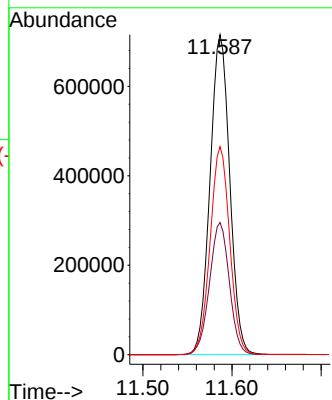
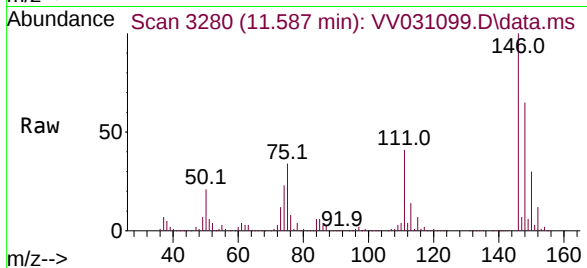
Tgt Ion:146 Resp: 1099022

Ion Ratio Lower Upper

146 100

111 41.3 31.4 47.2

148 65.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 188.241 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

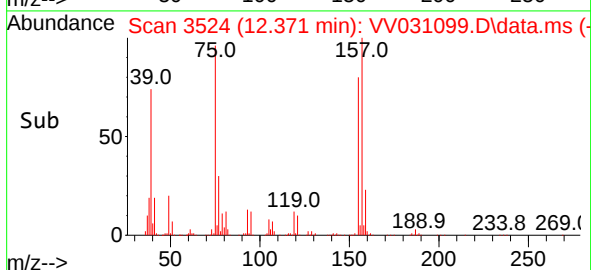
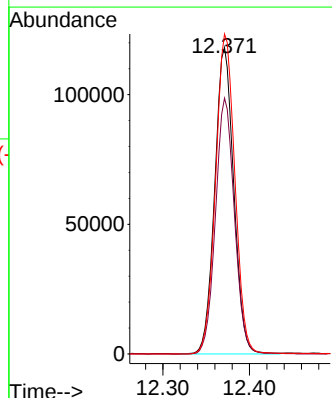
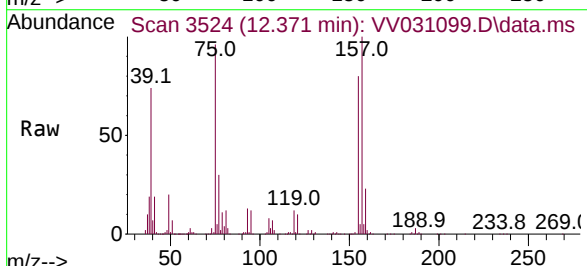
Tgt Ion: 75 Resp: 181048

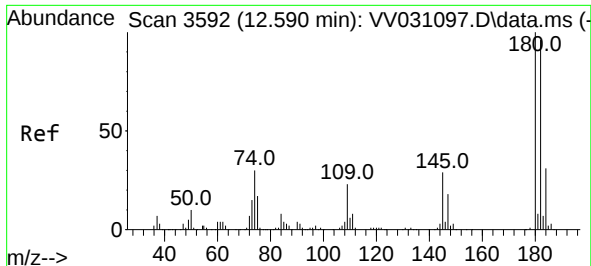
Ion Ratio Lower Upper

75 100

155 83.5 70.9 106.3

157 104.4 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 204.919 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031099.D

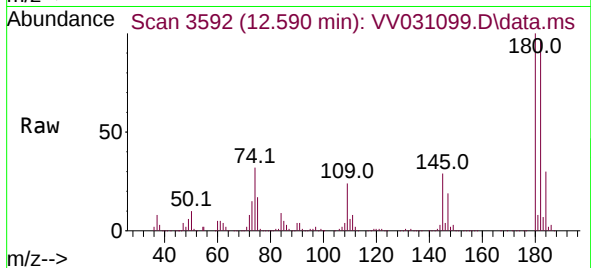
Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225



Tgt Ion:180 Resp: 873517

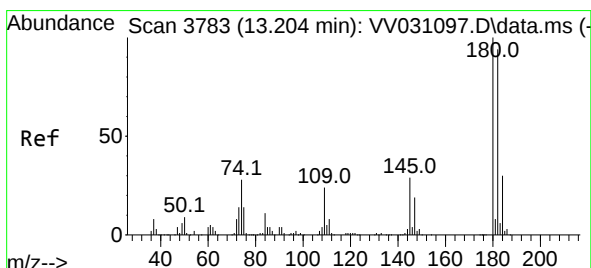
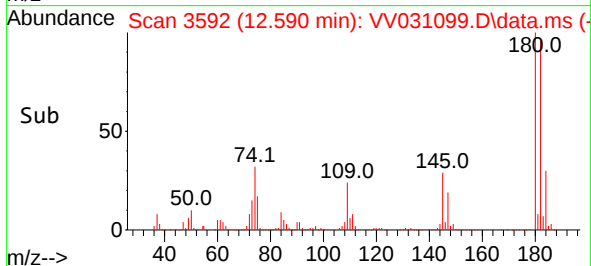
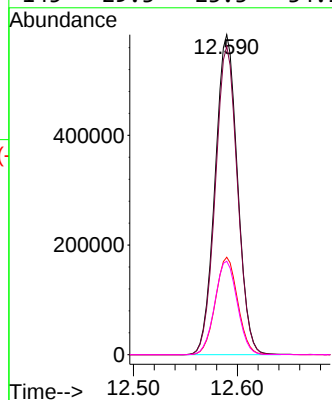
Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

184 30.3 24.6 37.0

145 29.3 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 217.346 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

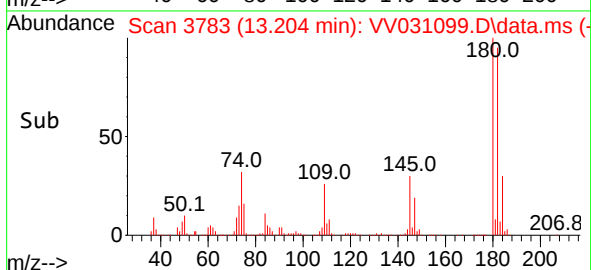
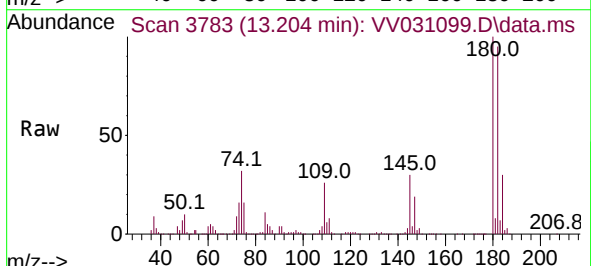
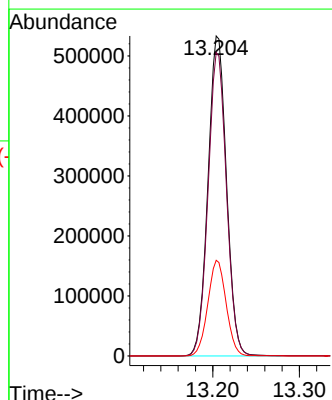
Tgt Ion:180 Resp: 791236

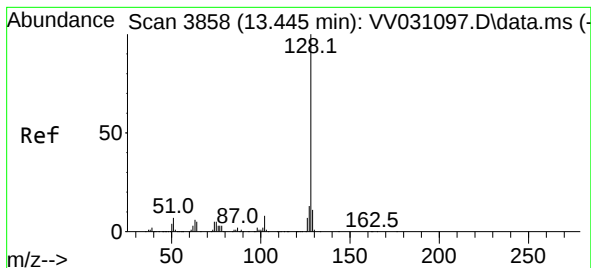
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 29.6 23.1 34.7





#71

Naphthalene

Concen: 220.928 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD200225

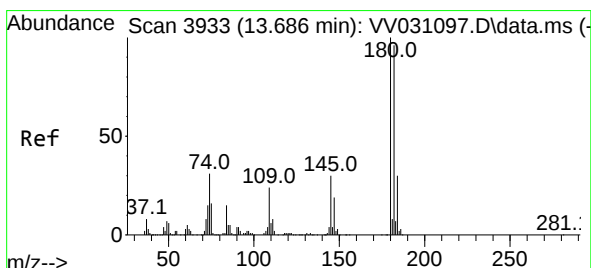
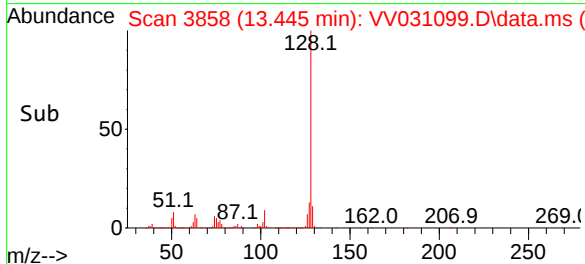
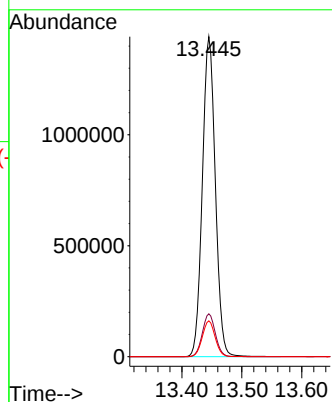
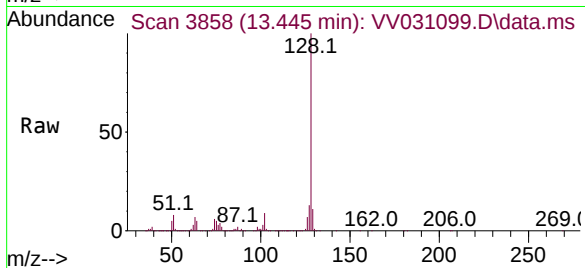
Tgt Ion:128 Resp: 2173590

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 213.289 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031099.D

Acq: 19 May 2023 11:04

Tgt Ion:180 Resp: 769791

Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.0

145 31.6 24.2 36.4

