

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022822\
 Data File : VW024833.D
 Acq On : 28 Feb 2022 14:13
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200211

Quant Time: Mar 01 01:22:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 01 01:20:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	347085	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	336650	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	174065	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	648667	244.863	ug/L	0.00
7) Chloroethane-d5	1.568	69	453871	199.171	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	1113502	218.185	ug/L	0.00
21) 2-Butanone-d5	3.873	46	813085	478.792	ug/L	-0.02
24) Chloroform-d	4.339	84	1202072	249.770	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.024	65	695337	230.129	ug/L	0.00
32) Benzene-d6	5.043	84	2440987	242.068	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	760612	238.568	ug/L	0.00
41) Toluene-d8	7.310	98	2199276	237.838	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.612	79	379194	234.134	ug/L	0.00
47) 2-Hexanone-d5	8.082	63	662282	503.178	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.210	84	935237	245.635	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	806946	236.067	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	679072	250.323	ug/L	100
3) Chloromethane	1.243	50	655904	241.018	ug/L	99
5) Vinyl chloride	1.310	62	675281	233.831	ug/L	99
6) Bromomethane	1.523	94	390131	221.155	ug/L	98
8) Chloroethane	1.584	64	339836	176.953	ug/L	99
9) Trichlorofluoromethane	1.748	101	862062	209.675	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	526482	234.824	ug/L	99
12) 1,1-Dichloroethene	2.114	96	506026	233.940	ug/L	97
13) Acetone	2.175	43	660814	404.835	ug/L	98
14) Carbon disulfide	2.291	76	1650534	267.851	ug/L	100
15) Methyl Acetate	2.429	43	526191	223.918	ug/L	97
16) Methylene chloride	2.503	84	601687	248.064	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	576146	256.497	ug/L	98
18) Methyl tert-butyl Ether	2.764	73	1787598	235.513	ug/L	99
19) 1,1-Dichloroethane	3.185	63	1008180	234.855	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	629530	251.644	ug/L	98
22) 2-Butanone	3.957	43	815802	432.218	ug/L	94
23) Bromochloromethane	4.236	128	306019	251.606	ug/L	97
25) Chloroform	4.365	83	1021010	229.832	ug/L	100
27) 1,2-Dichloroethane	5.120	62	722298	211.843	ug/L	99
29) Cyclohexane	4.670	56	938303	231.633	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	911108	221.672	ug/L	98
31) Carbon tetrachloride	4.821	117	781124	229.109	ug/L	99
33) Benzene	5.092	78	2288112	228.912	ug/L	100
34) Trichloroethene	5.905	95	624803	224.053	ug/L	99
35) Methylcyclohexane	6.127	83	1032278	243.771	ug/L	99
37) 1,2-Dichloropropane	6.165	63	583765	223.770	ug/L	100
38) Bromodichloromethane	6.500	83	771919	214.669	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	980458	233.100	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	1367599	390.427	ug/L	97
42) Toluene	7.381	91	2409498	226.668	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	908793	224.533	ug/L	100

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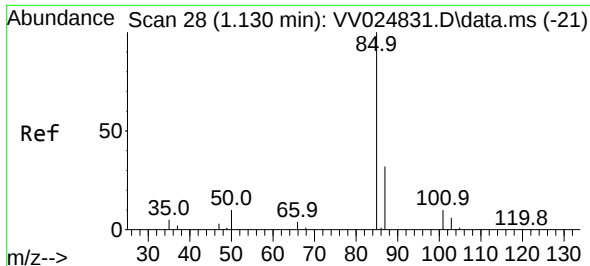
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.831	97	555076	222.140	ug/L	99
46) Tetrachloroethene	7.969	164	421171	250.704	ug/L	97
48) 2-Hexanone	8.133	43	1082191	370.461	ug/L	97
49) Dibromochloromethane	8.239	129	601355	231.439	ug/L	99
50) 1,2-Dibromoethane	8.345	107	593622	229.127	ug/L	99
51) Chlorobenzene	8.876	112	1533567	230.710	ug/L	100
52) Ethylbenzene	9.008	91	2640415	225.713	ug/L	100
53) m,p-Xylene	9.133	106	1015453	230.908	ug/L	99
54) o-Xylene	9.538	106	982271	224.819	ug/L	99
55) Styrene	9.554	104	1670870	225.077	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	811431	228.983	ug/L	98
59) Bromoform	9.725	173	379825	229.106	ug/L	99
60) Isopropylbenzene	9.927	105	2582805	205.639	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	656214	190.679	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	1854049	180.382	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	2250083	209.264	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	1151483	222.227	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	1156048	219.434	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	1134727	218.496	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	176624	198.824	ug/L	90
69) 1,3,5-Trichlorobenzene	12.641	180	835049	241.736	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	755618	246.797	ug/L	99
71) Naphthalene	13.500	128	2377058	215.535	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	710111	236.576	ug/L	99

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

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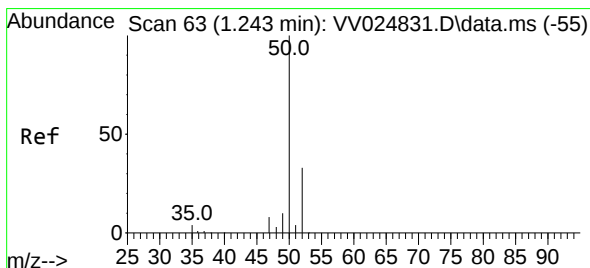
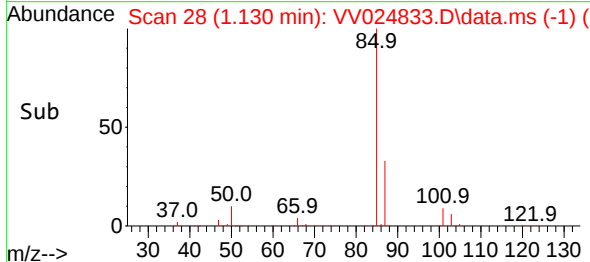
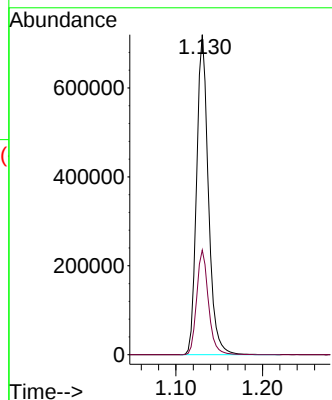
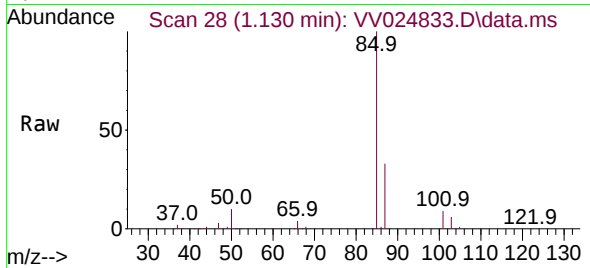




#2
 Dichlorodifluoromethane
 Concen: 250.323 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

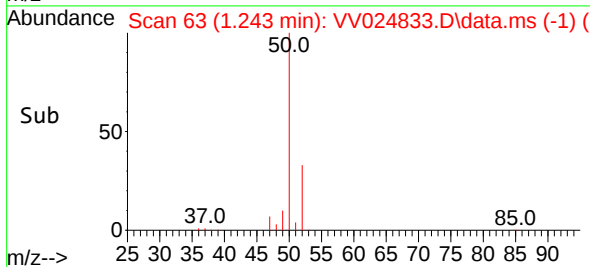
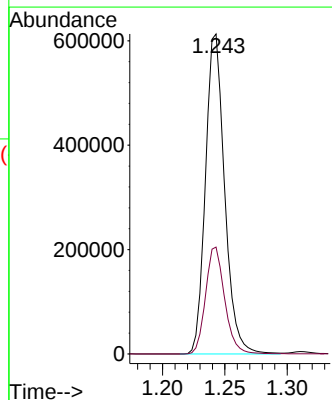
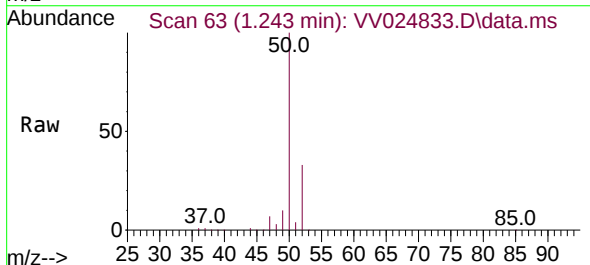
Instrument :
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 ClientSampleId :
 VSTD200211

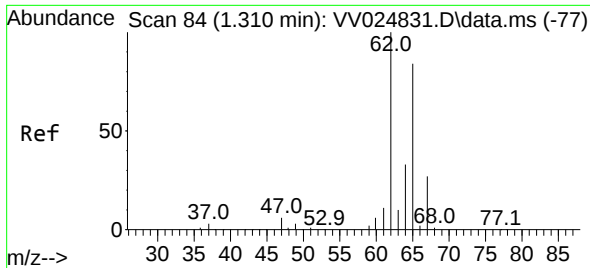
Tgt Ion: 85 Resp: 679072
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.8



#3
 Chloromethane
 Concen: 241.018 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

Tgt Ion: 50 Resp: 655904
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4

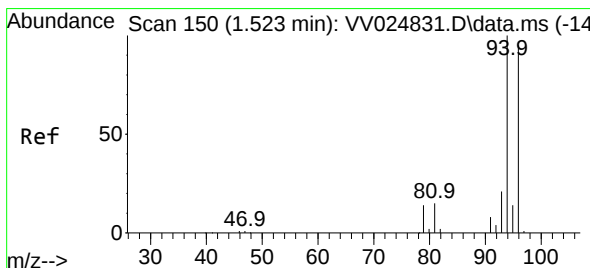
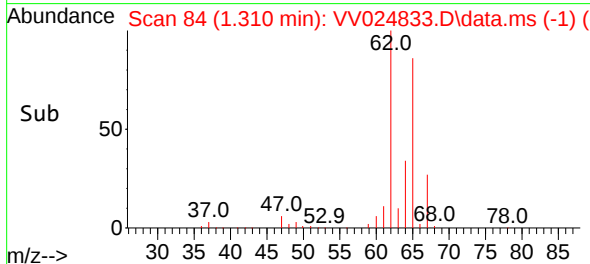
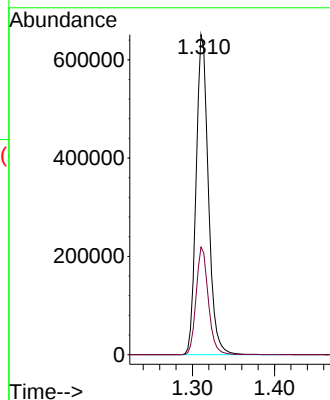
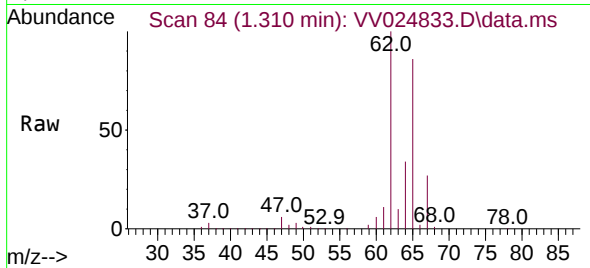




#5
 Vinyl chloride
 Concen: 233.831 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

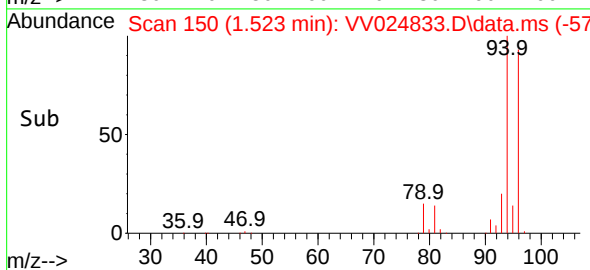
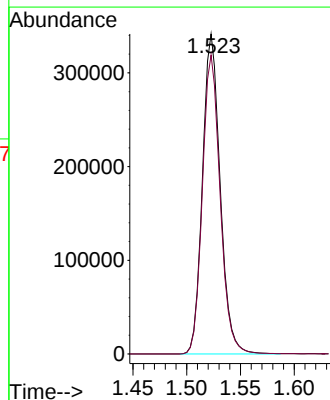
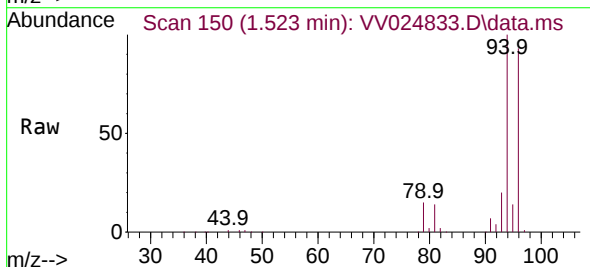
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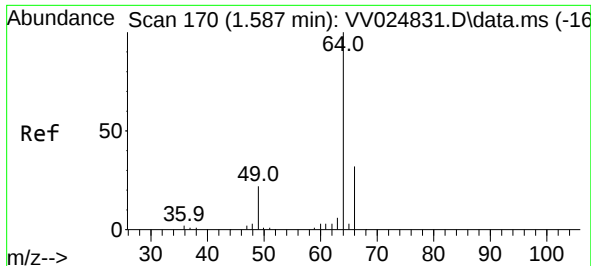
Tgt Ion: 62 Resp: 675281
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 221.155 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

Tgt Ion: 94 Resp: 390131
 Ion Ratio Lower Upper
 94 100
 96 93.4 66.7 123.9

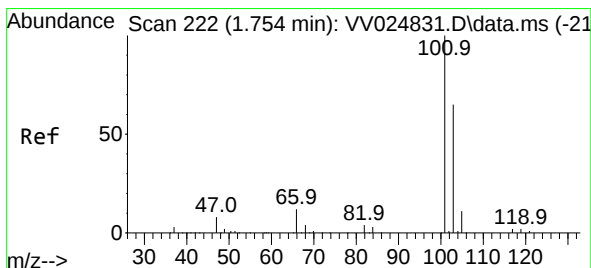
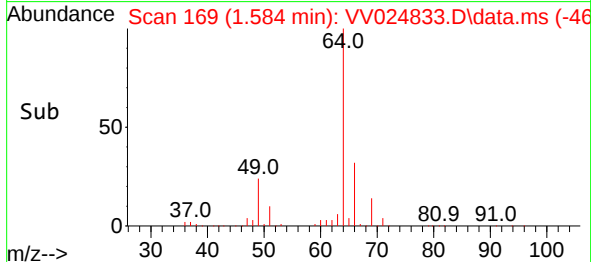
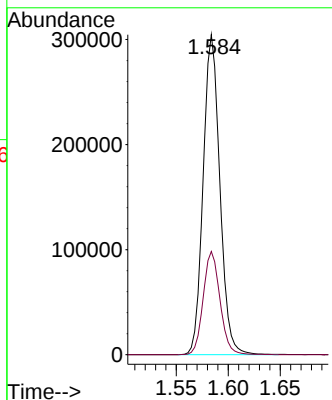
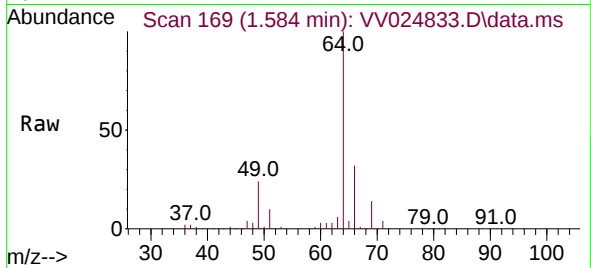




#8
Chloroethane
Concen: 176.953 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

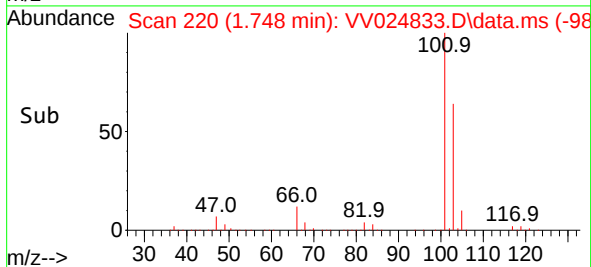
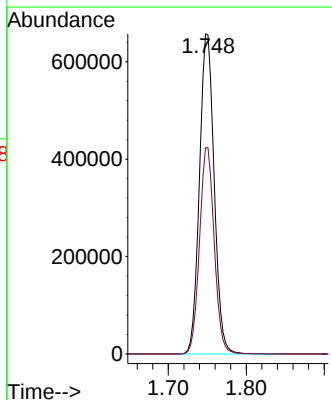
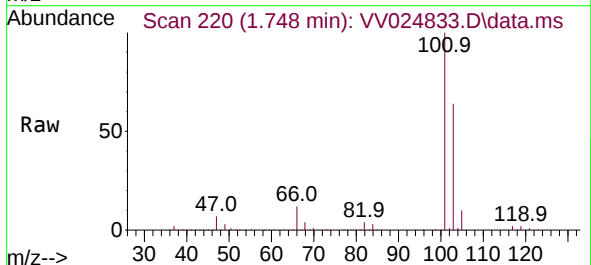
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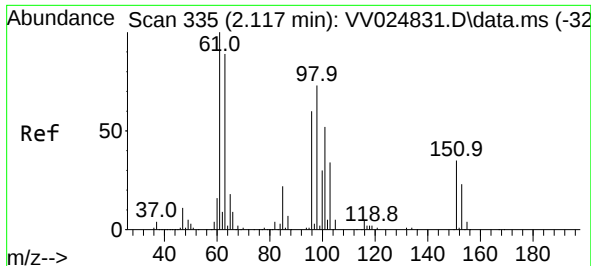
Tgt Ion: 64 Resp: 339836
Ion Ratio Lower Upper
64 100
66 32.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 209.675 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.007 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion:101 Resp: 862062
Ion Ratio Lower Upper
101 100
103 64.4 52.1 78.1

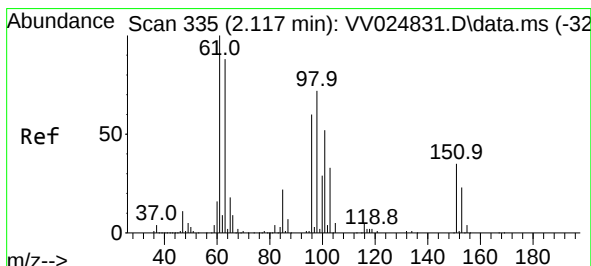
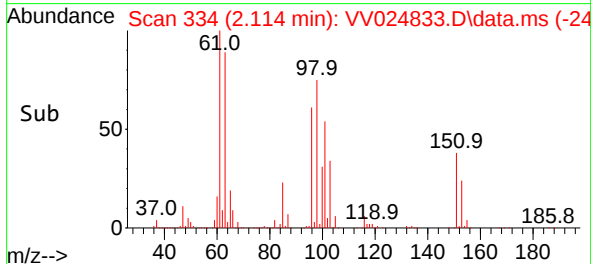
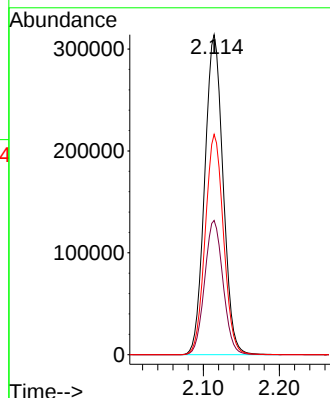
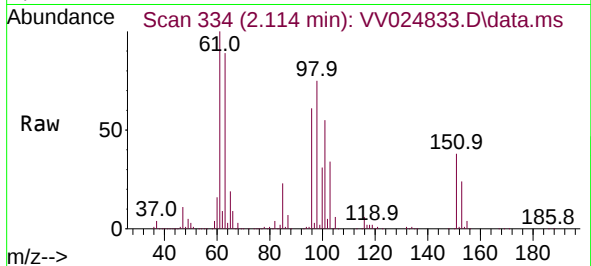




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 234.824 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

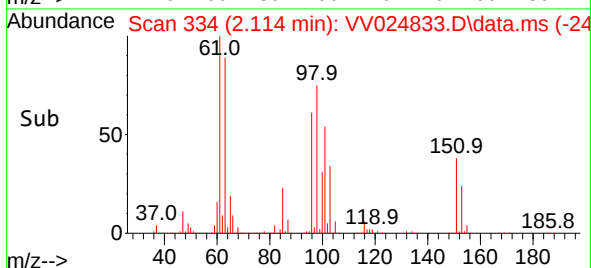
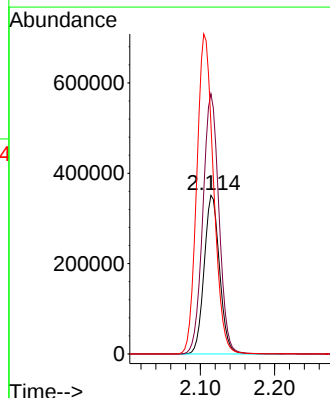
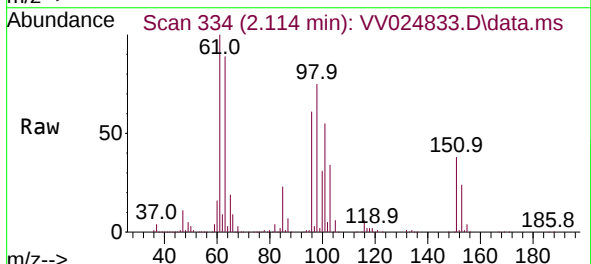
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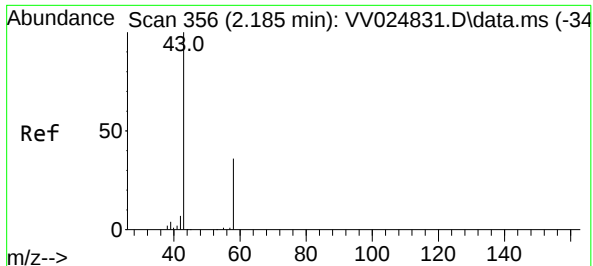
Tgt Ion:101 Resp: 526482
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.8 50.8
 151 68.7 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 233.940 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

Tgt Ion: 96 Resp: 506026
 Ion Ratio Lower Upper
 96 100
 61 164.1 117.6 218.4
 63 145.3 105.3 195.5





#13

Acetone

Concen: 404.835 ug/L

RT: 2.175 min Scan# 3

Delta R.T. -0.010 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

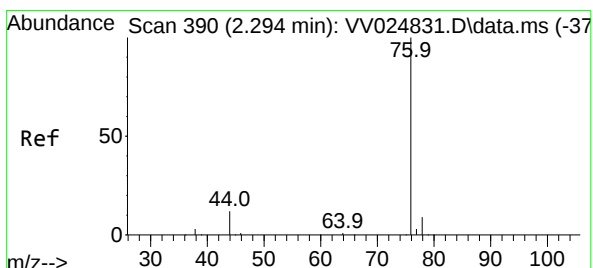
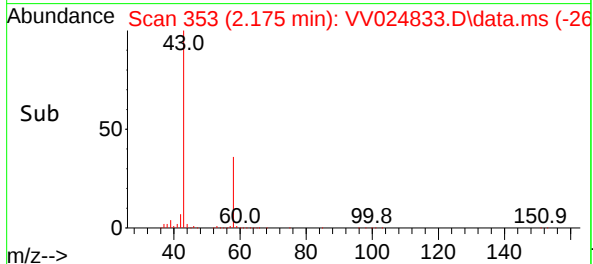
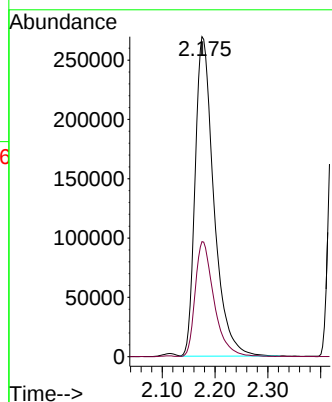
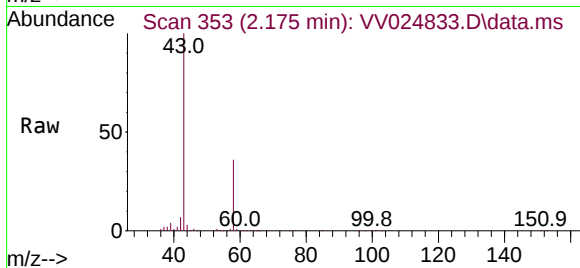
VSTD200211

Tgt Ion: 43 Resp: 660814

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.0



#14

Carbon disulfide

Concen: 267.851 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV024833.D

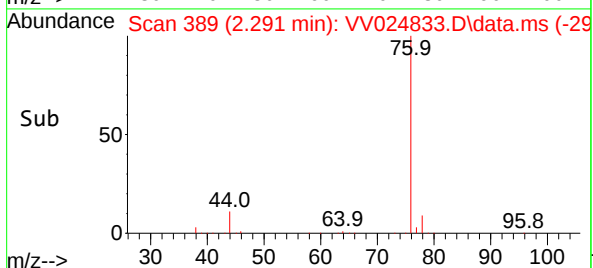
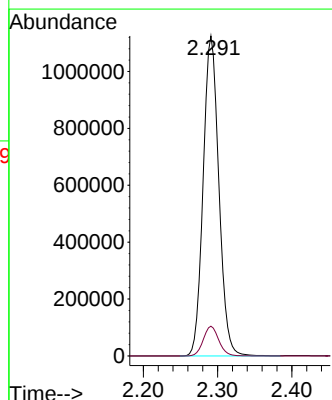
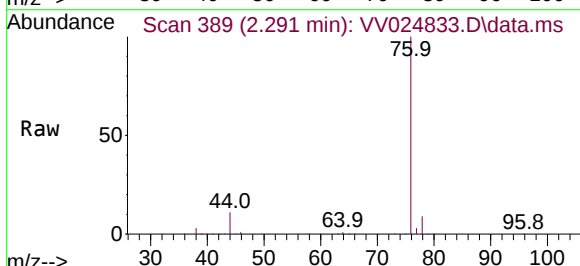
Acq: 28 Feb 2022 14:13

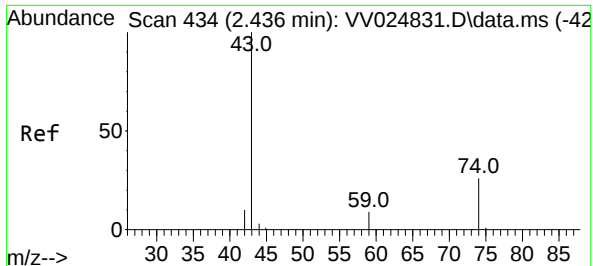
Tgt Ion: 76 Resp: 1650534

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

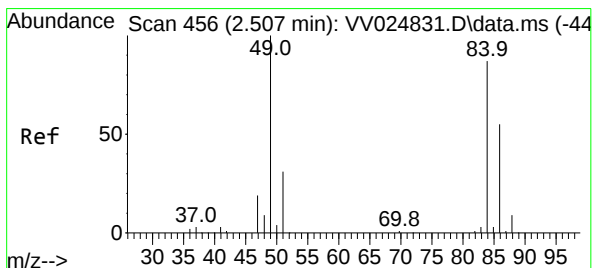
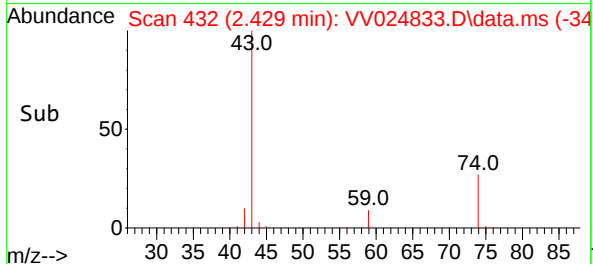
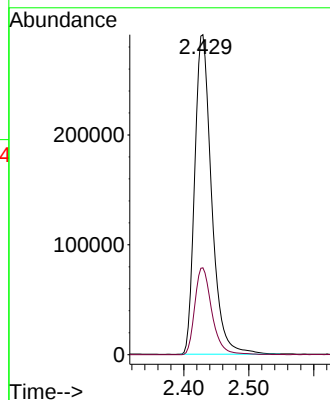
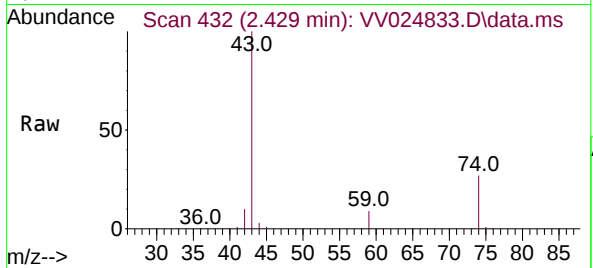




#15
Methyl Acetate
Concen: 223.918 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

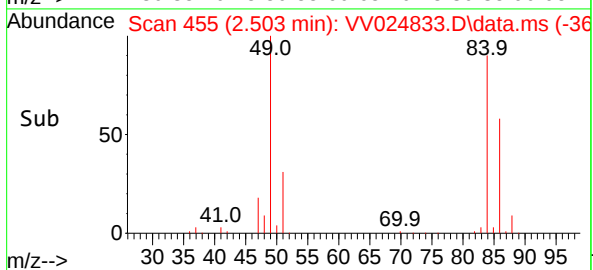
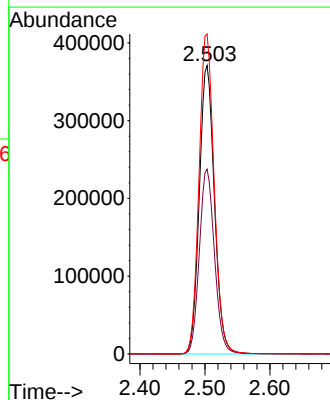
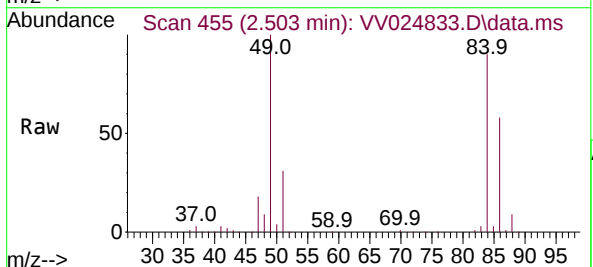
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

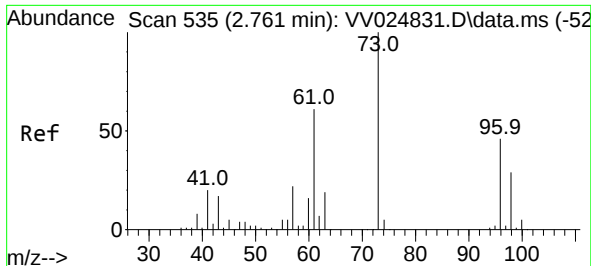
Tgt Ion: 43 Resp: 526191
Ion Ratio Lower Upper
43 100
74 27.6 21.0 31.4



#16
Methylene chloride
Concen: 248.064 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 84 Resp: 601687
Ion Ratio Lower Upper
84 100
86 64.1 44.3 82.3
49 110.9 80.7 149.9

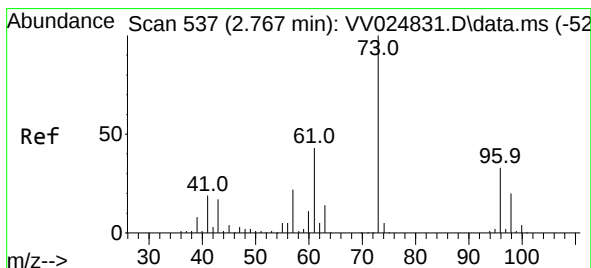
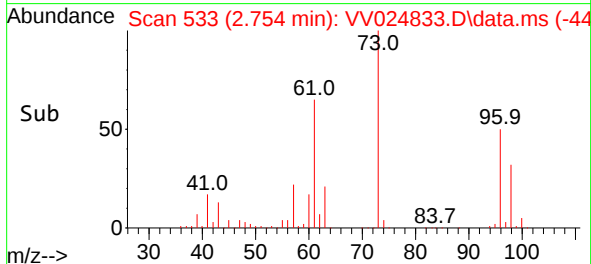
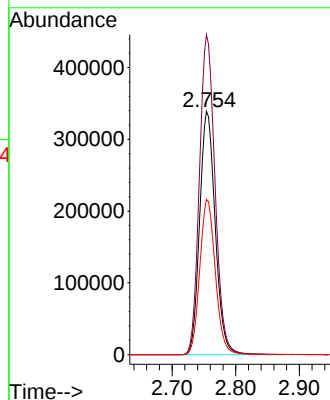
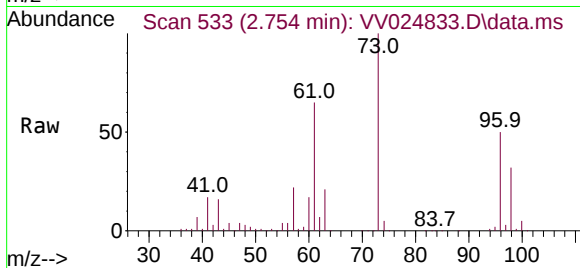




#17
trans-1,2-Dichloroethene
Concen: 256.497 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.007 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

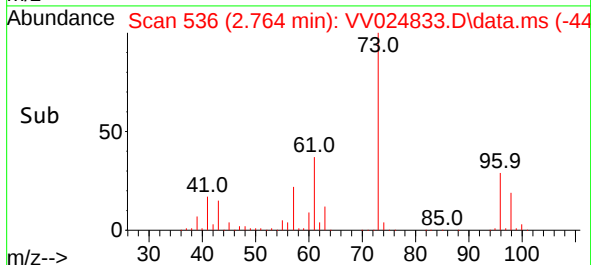
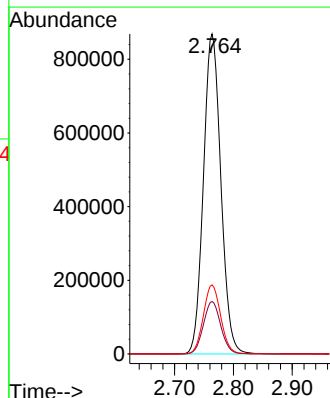
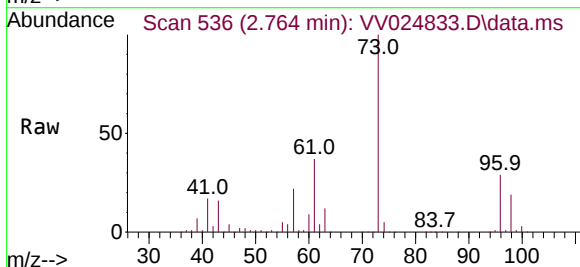
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

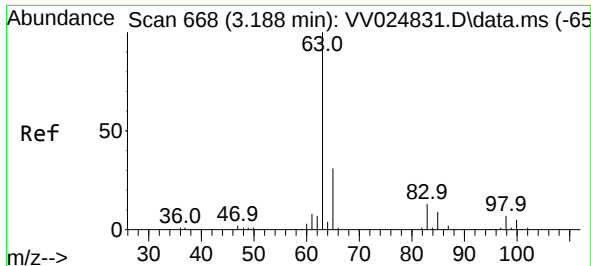
Tgt Ion: 96 Resp: 576146
Ion Ratio Lower Upper
96 100
61 131.5 93.7 173.9
98 63.8 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 235.513 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 73 Resp: 1787598
Ion Ratio Lower Upper
73 100
43 16.3 13.6 20.4
57 21.5 17.4 26.2





#19

1,1-Dichloroethane

Concen: 234.855 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

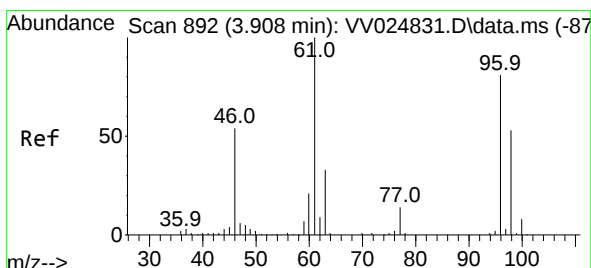
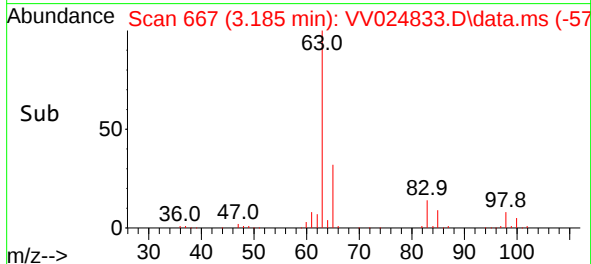
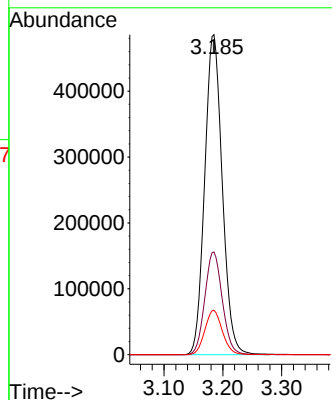
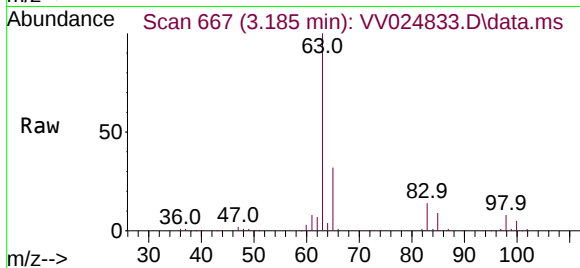
MSVOA_V

ClientSampleId :

VSTD200211

Tgt Ion: 63 Resp: 1008180

Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.0	40.8
83	13.9	9.2	17.0



#20

cis-1,2-Dichloroethene

Concen: 251.644 ug/L

RT: 3.902 min Scan# 890

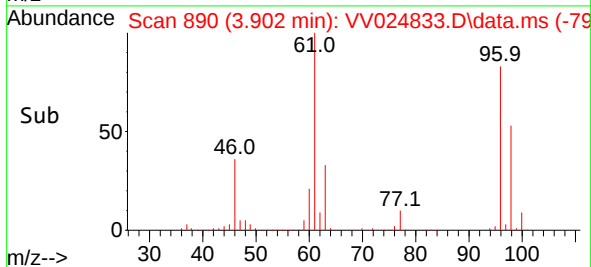
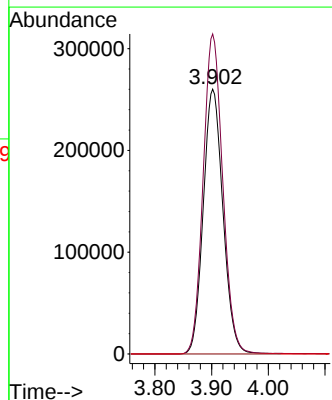
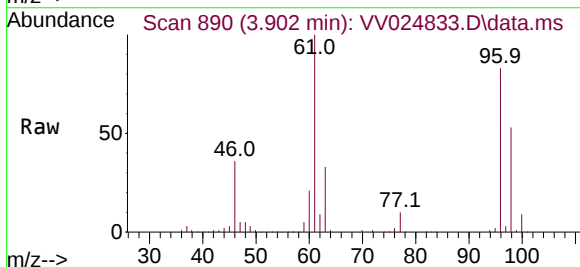
Delta R.T. -0.006 min

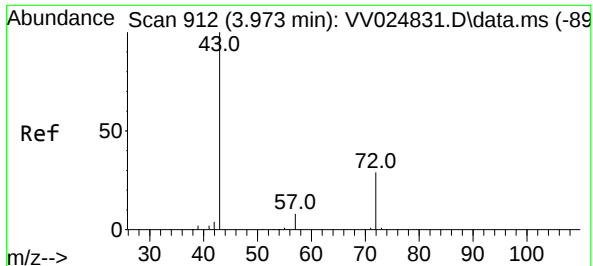
Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Tgt Ion: 96 Resp: 629530

Ion	Ratio	Lower	Upper
96	100		
61	120.9	86.1	159.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 432.218 ug/L

RT: 3.957 min Scan# 907

Delta R.T. -0.016 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

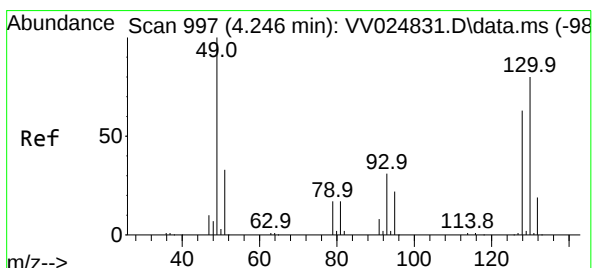
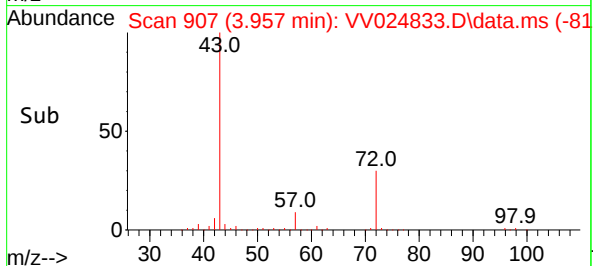
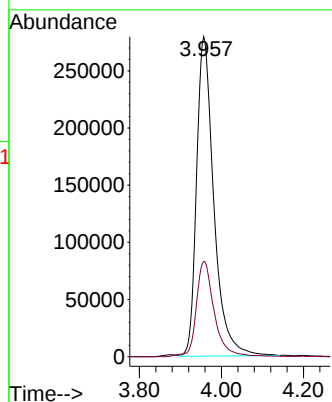
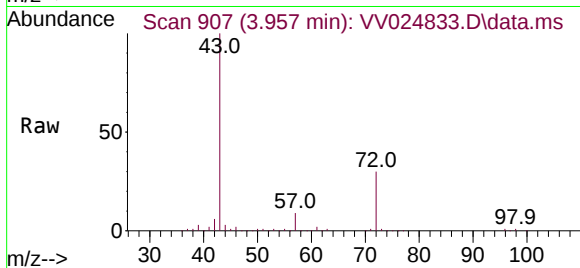
VSTD200211

Tgt Ion: 43 Resp: 815802

Ion Ratio Lower Upper

43 100

72 30.8 13.9 41.6



#23

Bromochloromethane

Concen: 251.606 ug/L

RT: 4.236 min Scan# 994

Delta R.T. -0.010 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Tgt Ion: 128 Resp: 306019

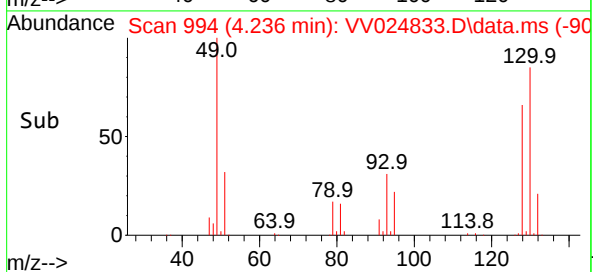
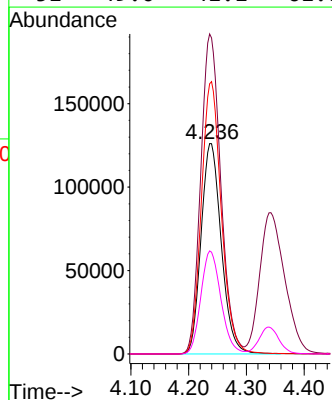
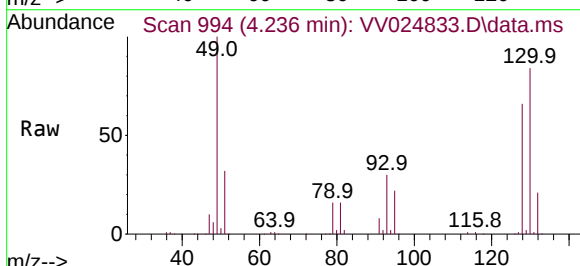
Ion Ratio Lower Upper

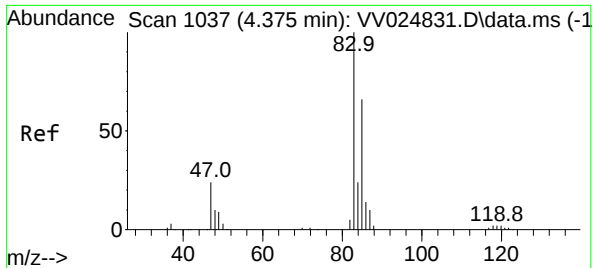
128 100

49 152.1 110.9 205.9

130 128.4 88.5 164.3

51 49.0 41.1 61.7

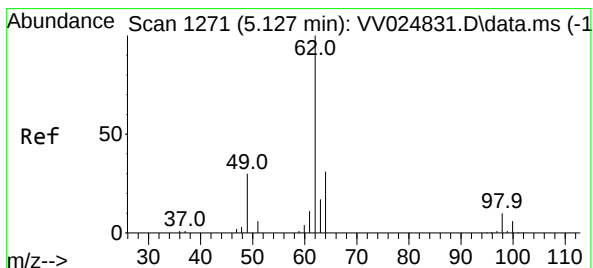
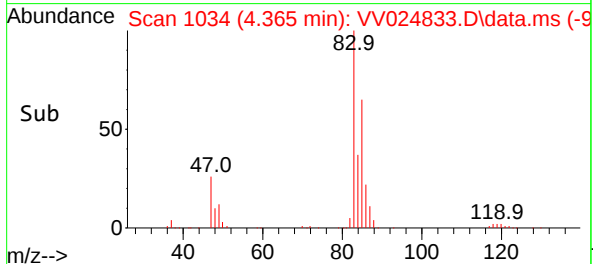
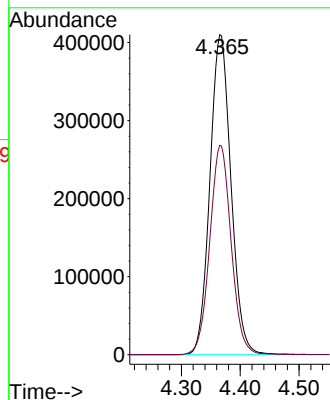
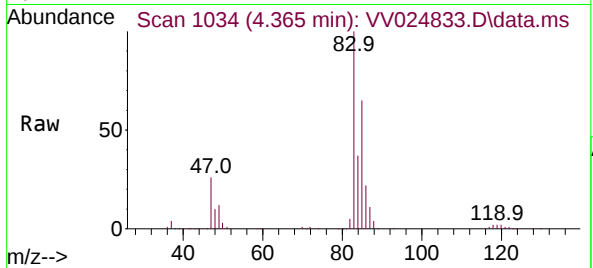




#25
Chloroform
Concen: 229.832 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. -0.010 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

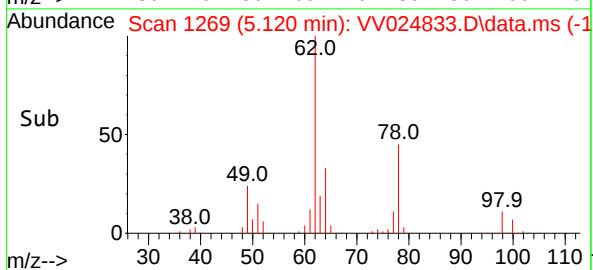
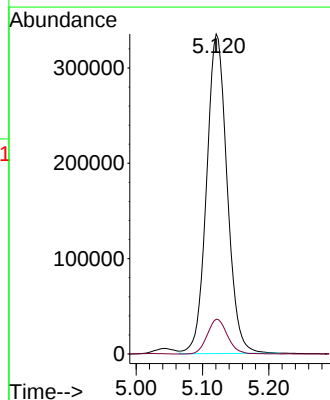
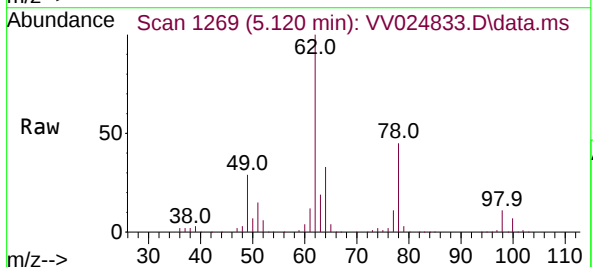
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

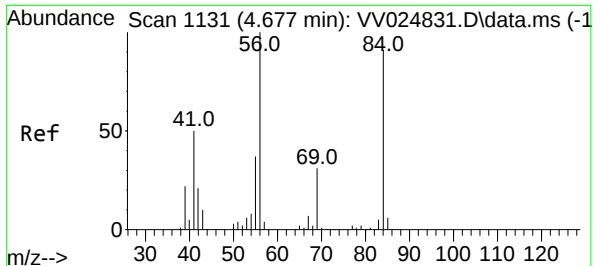
Tgt Ion: 83 Resp: 1021010
Ion Ratio Lower Upper
83 100
85 65.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 211.843 ug/L
RT: 5.120 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 62 Resp: 722298
Ion Ratio Lower Upper
62 100
98 10.8 8.2 12.4





#29

Cyclohexane

Concen: 231.633 ug/L

RT: 4.670 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211

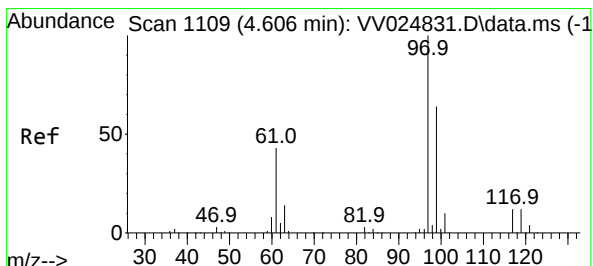
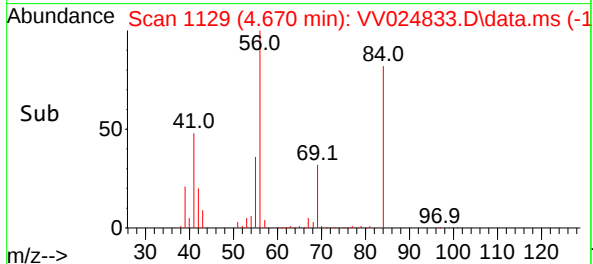
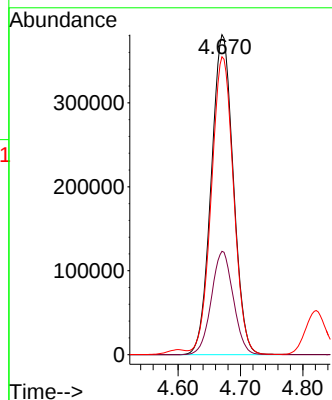
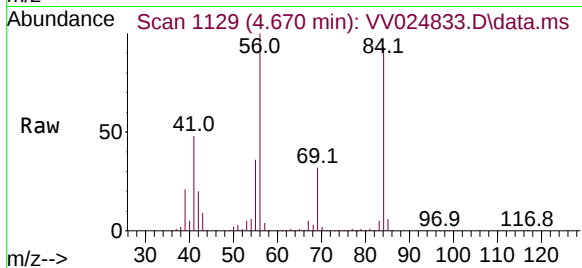
Tgt Ion: 56 Resp: 938303

Ion Ratio Lower Upper

56 100

69 32.1 25.0 37.6

84 93.5 73.4 110.2



#30

1,1,1-Trichloroethane

Concen: 221.672 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

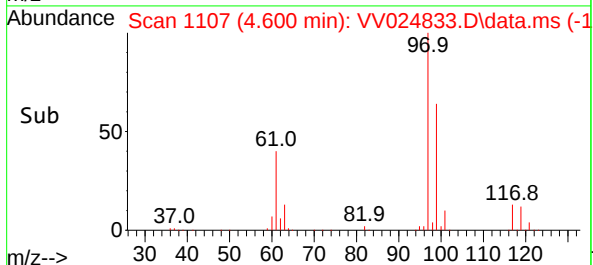
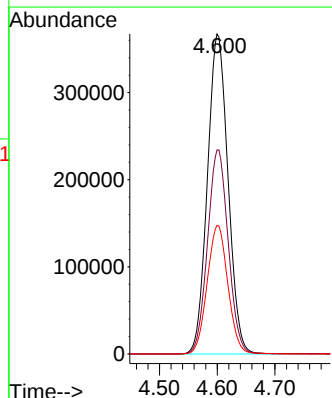
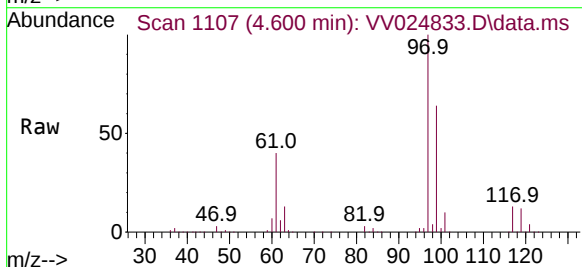
Tgt Ion: 97 Resp: 911108

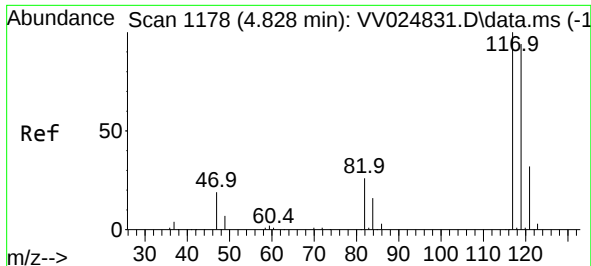
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 40.4 33.8 50.8

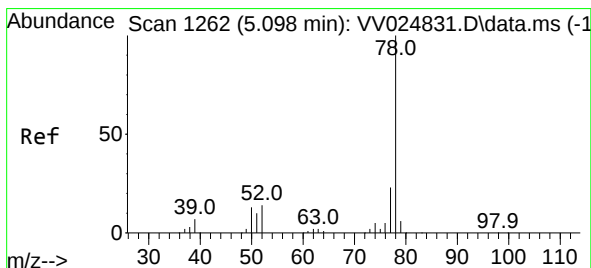
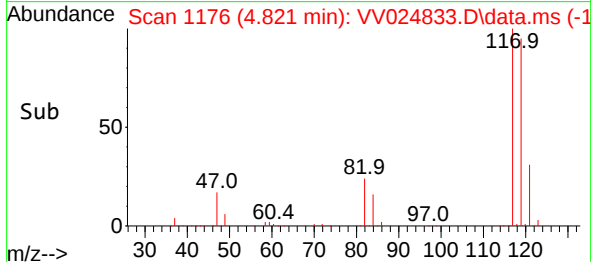
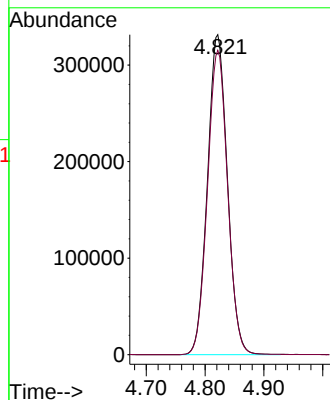
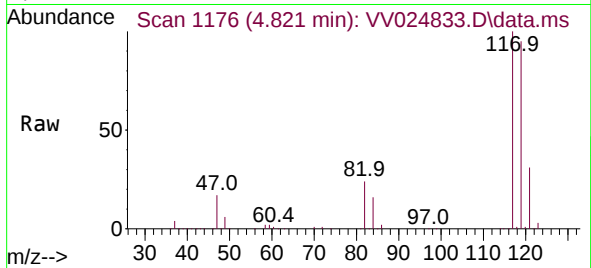




#31
Carbon tetrachloride
Concen: 229.109 ug/L
RT: 4.821 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

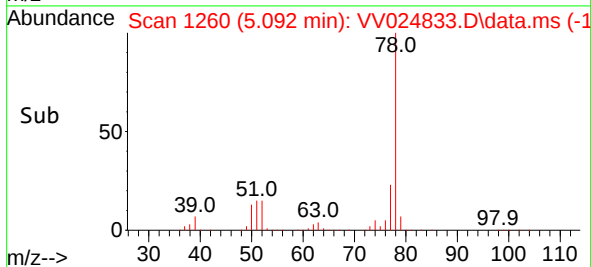
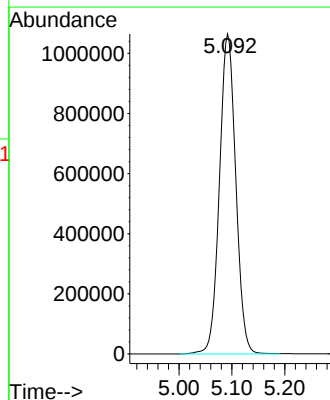
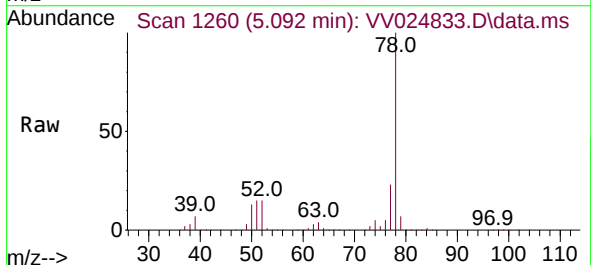
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

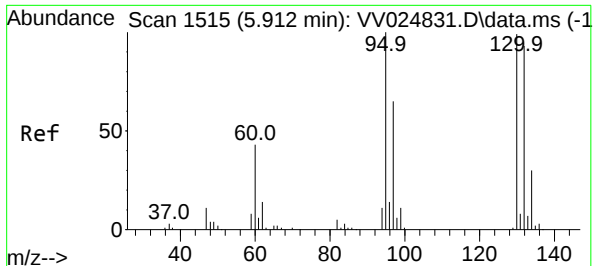
Tgt Ion:117 Resp: 781124
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.8



#33
Benzene
Concen: 228.912 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 78 Resp: 2288112

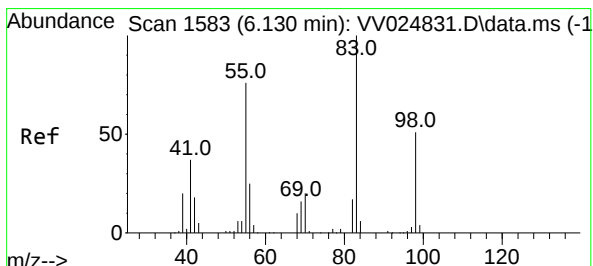
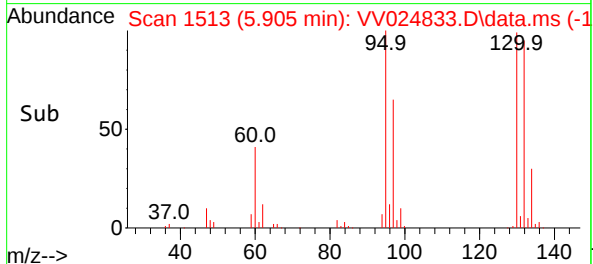
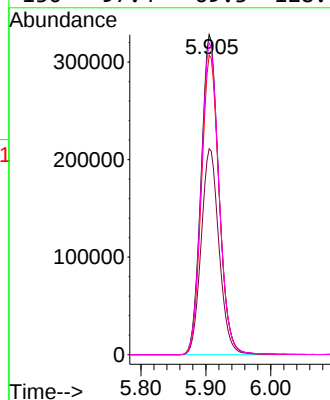
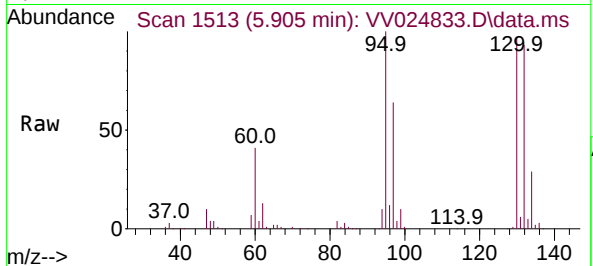




#34
Trichloroethene
Concen: 224.053 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.007 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

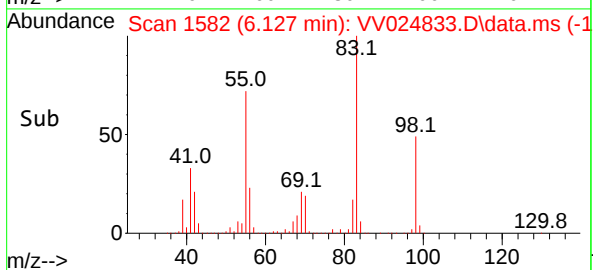
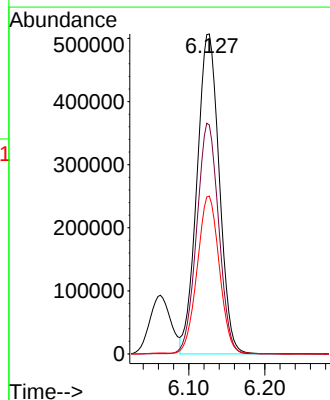
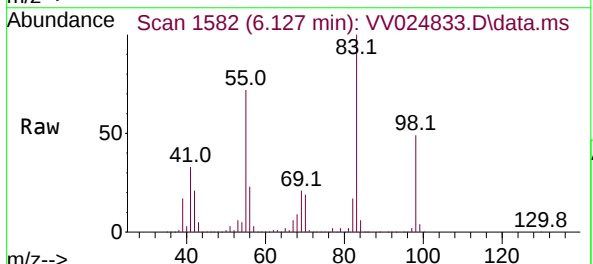
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

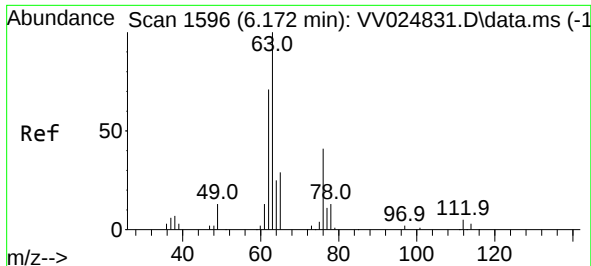
Tgt Ion: 95 Resp: 624803
Ion Ratio Lower Upper
95 100
97 64.3 45.3 84.1
132 93.5 65.0 120.6
130 97.4 69.3 128.7



#35
Methylcyclohexane
Concen: 243.771 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 83 Resp: 1032278
Ion Ratio Lower Upper
83 100
55 71.2 57.7 86.5
98 49.2 38.9 58.3





#37

1,2-Dichloropropane

Concen: 223.770 ug/L

RT: 6.165 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

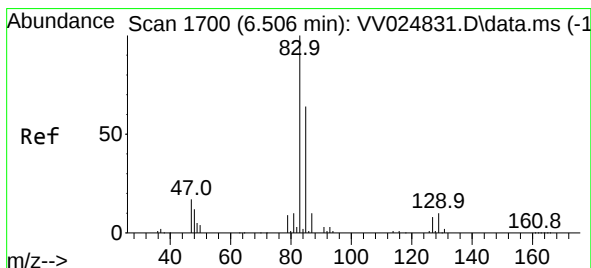
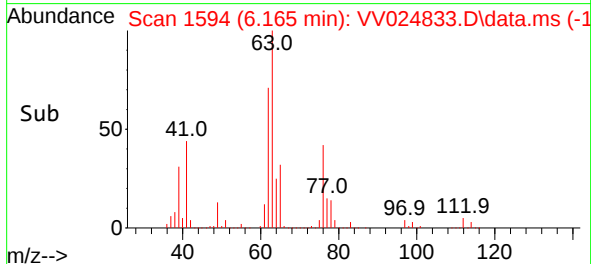
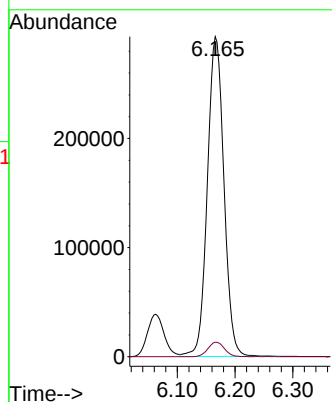
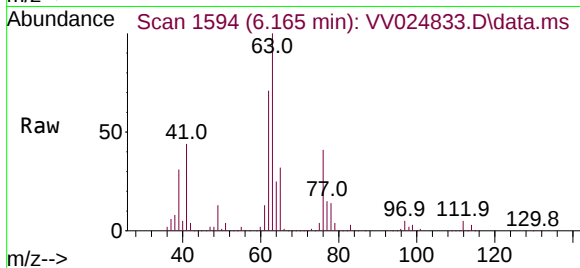
VSTD200211

Tgt Ion: 63 Resp: 583765

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 214.669 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

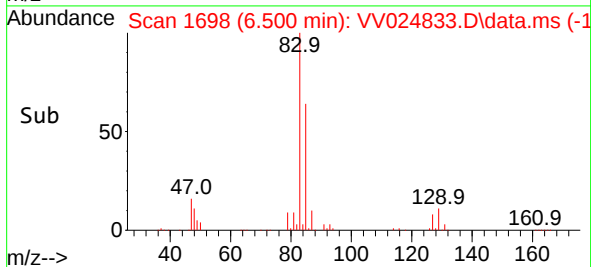
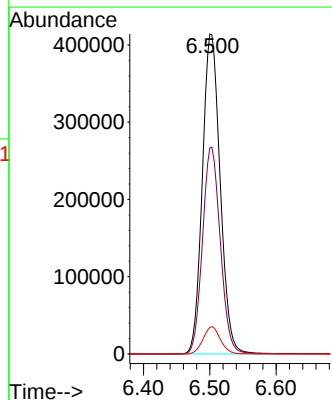
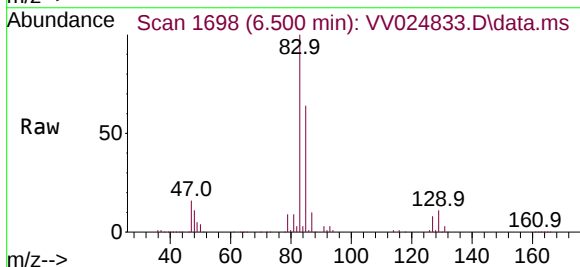
Tgt Ion: 83 Resp: 771919

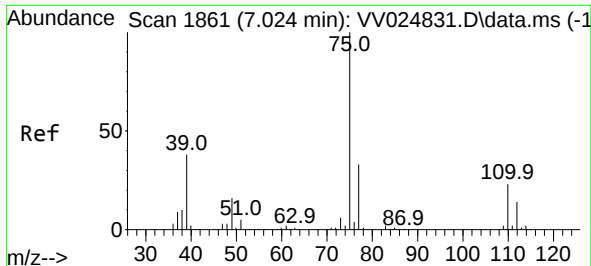
Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 233.100 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

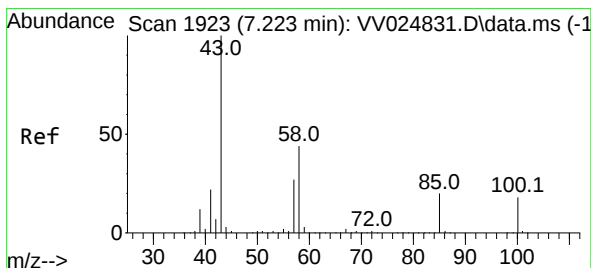
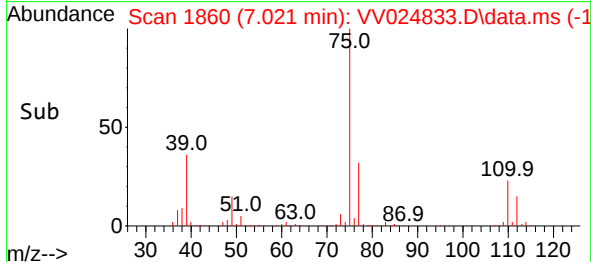
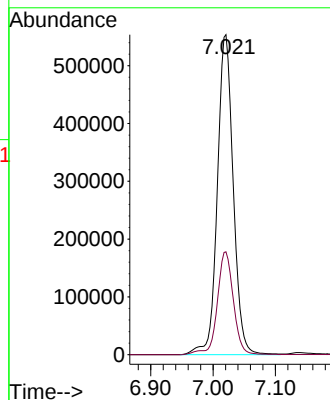
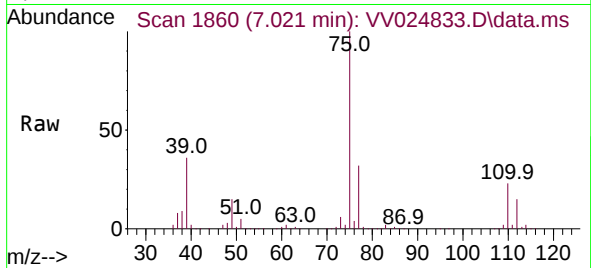
VSTD200211

Tgt Ion: 75 Resp: 980458

Ion Ratio Lower Upper

75 100

77 32.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 390.427 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

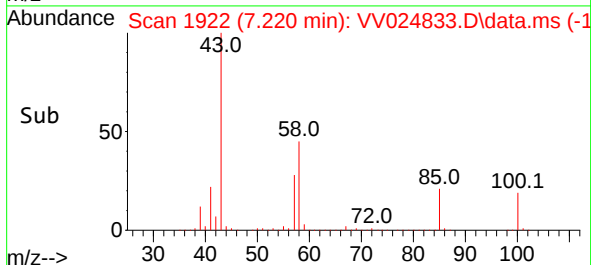
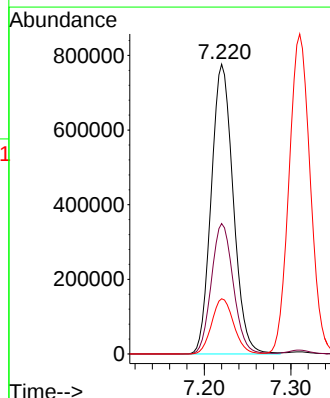
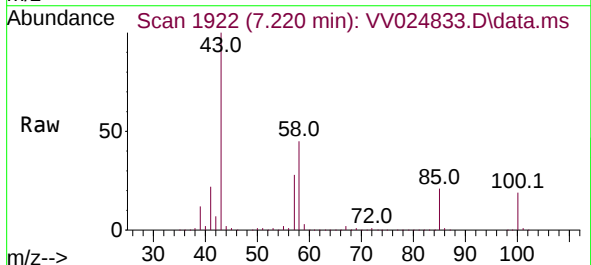
Tgt Ion: 43 Resp: 1367599

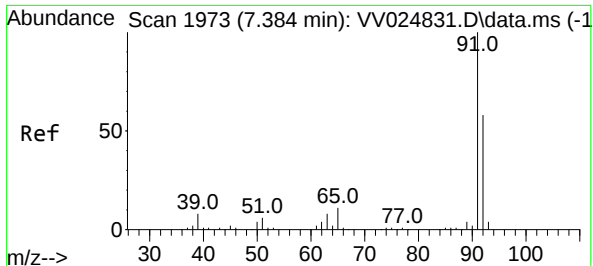
Ion Ratio Lower Upper

43 100

58 45.0 34.8 52.2

100 19.1 14.2 21.2





#42

Toluene

Concen: 226.668 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

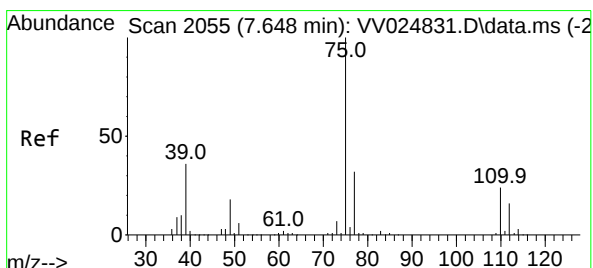
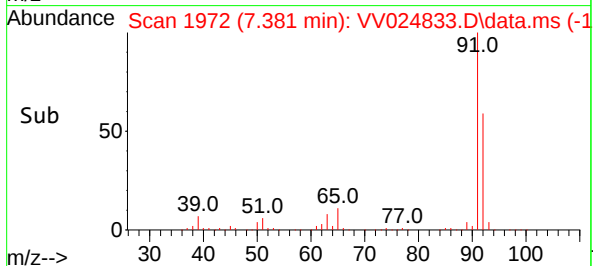
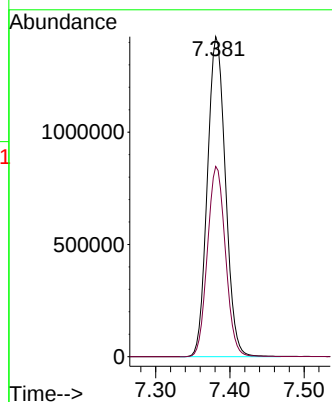
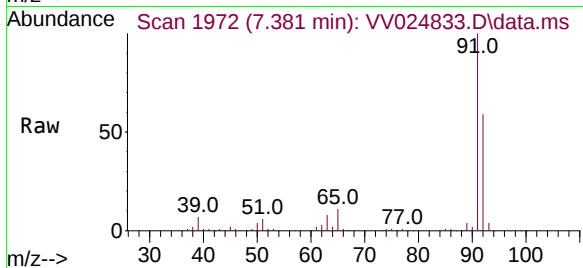
VSTD200211

Tgt Ion: 91 Resp: 2409498

Ion Ratio Lower Upper

91 100

92 59.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 224.533 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV024833.D

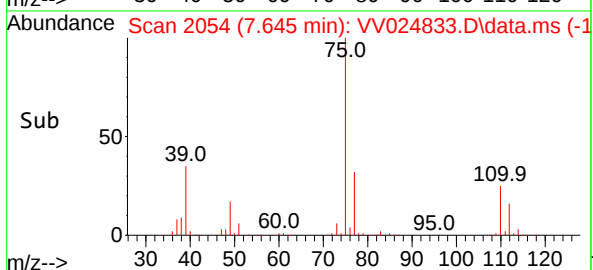
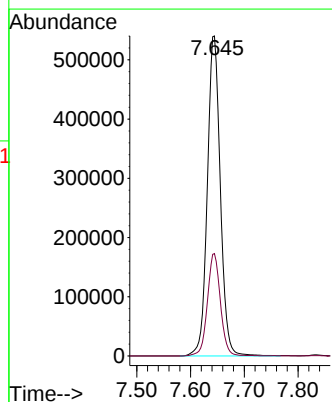
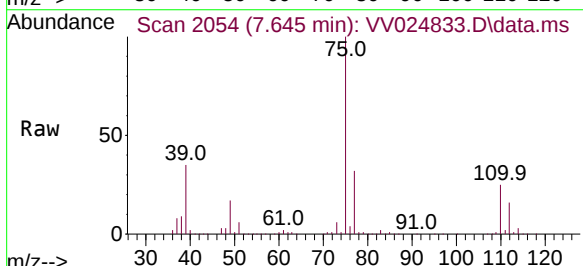
Acq: 28 Feb 2022 14:13

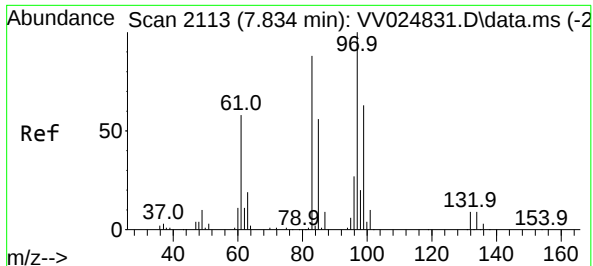
Tgt Ion: 75 Resp: 908793

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 222.140 ug/L

RT: 7.831 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211

Tgt Ion: 97 Resp: 555076

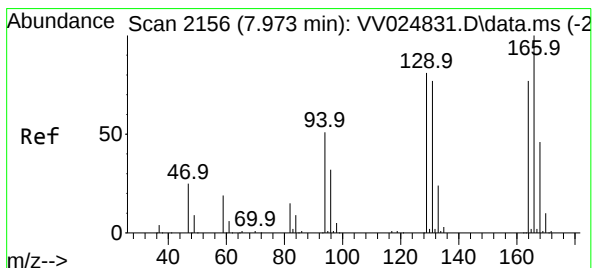
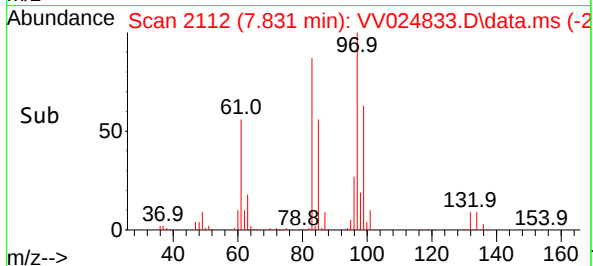
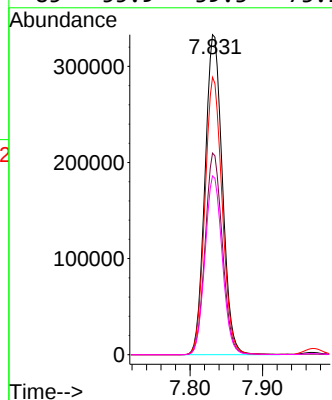
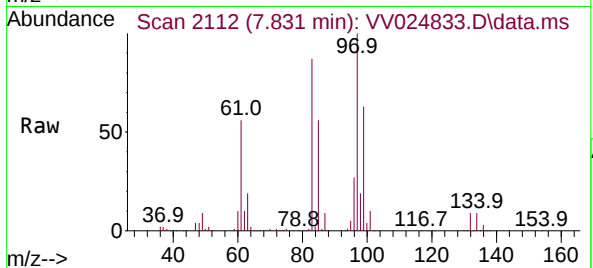
Ion Ratio Lower Upper

97 100

99 63.0 43.9 81.5

83 86.7 61.7 114.5

85 55.9 39.3 73.1



#46

Tetrachloroethene

Concen: 250.704 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Tgt Ion:164 Resp: 421171

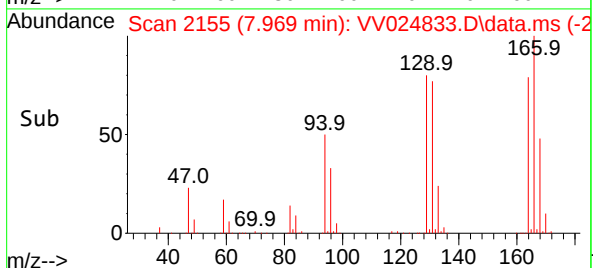
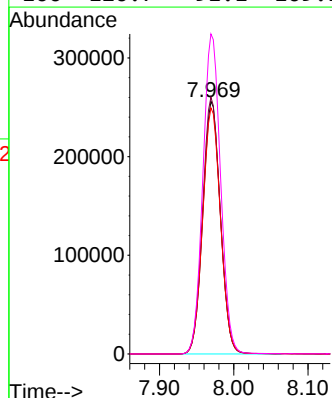
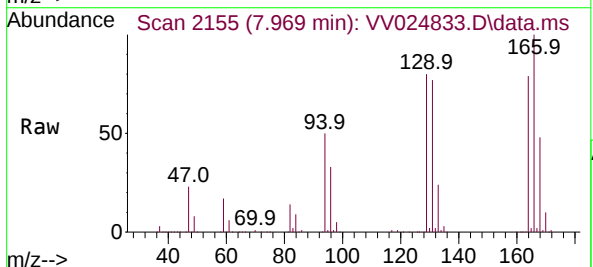
Ion Ratio Lower Upper

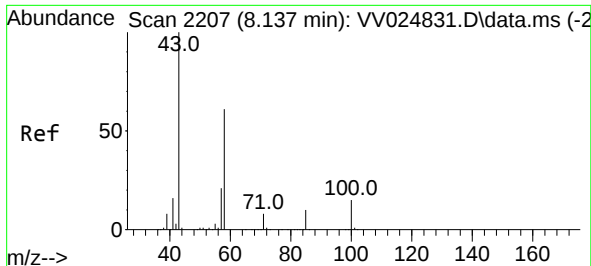
164 100

129 101.7 74.1 137.7

131 97.4 70.1 130.1

166 126.7 91.1 169.1



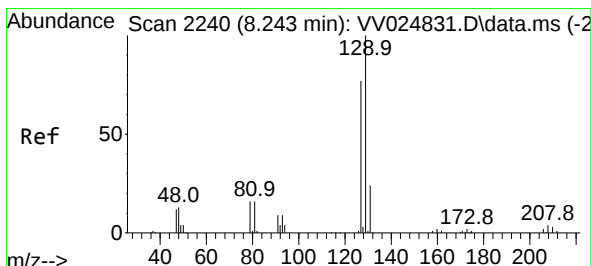
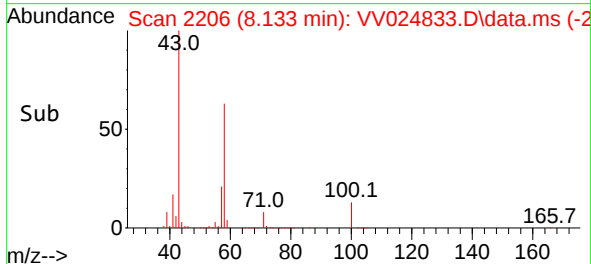
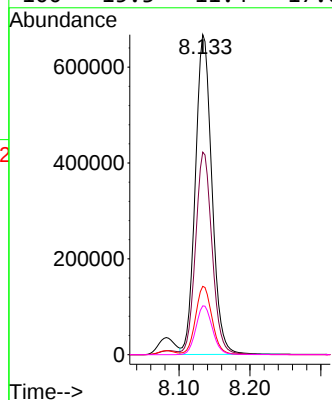
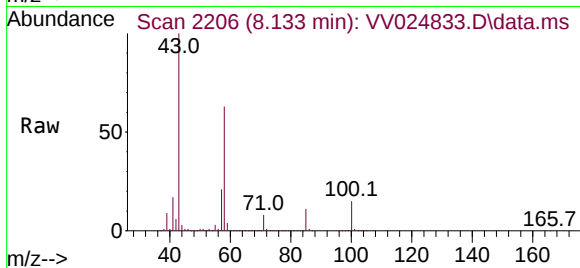


#48
2-Hexanone
Concen: 370.461 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

Tgt Ion: 43 Resp: 1082191

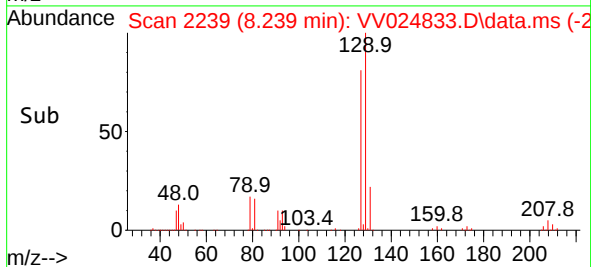
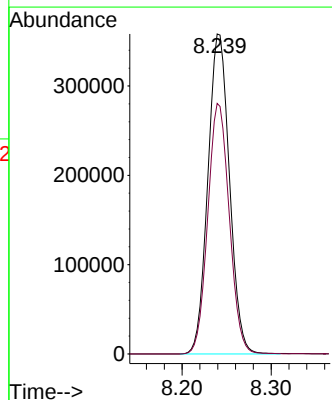
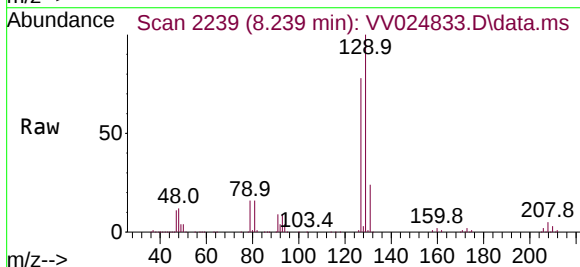
Ion	Ratio	Lower	Upper
43	100		
58	63.2	48.6	72.8
57	21.4	16.5	24.7
100	15.3	11.4	17.0

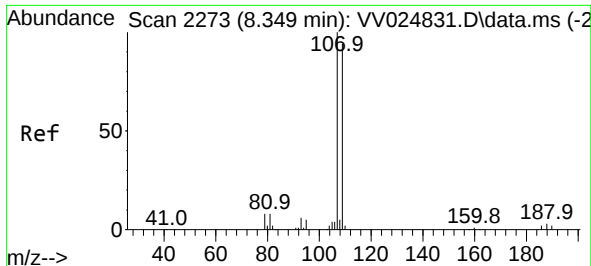


#49
Dibromochloromethane
Concen: 231.439 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 129 Resp: 601355

Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.2	100.6





#50

1,2-Dibromoethane

Concen: 229.127 ug/L

RT: 8.345 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211

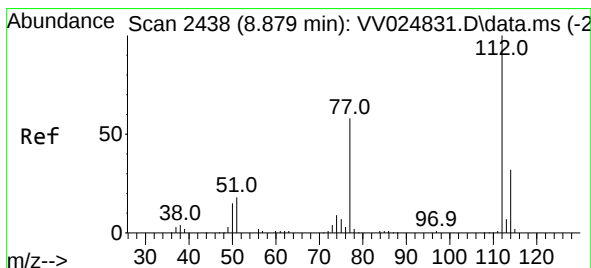
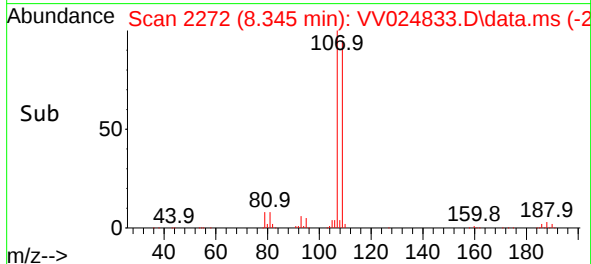
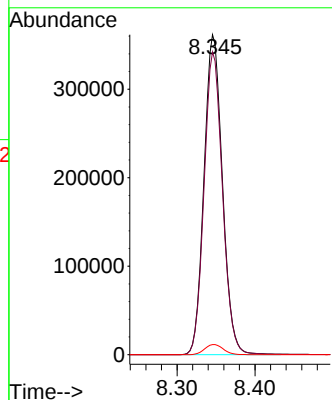
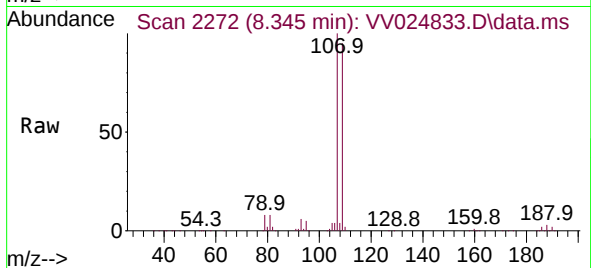
Tgt Ion:107 Resp: 593622

Ion Ratio Lower Upper

107 100

109 94.6 65.6 121.8

188 3.2 2.4 3.6



#51

Chlorobenzene

Concen: 230.710 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

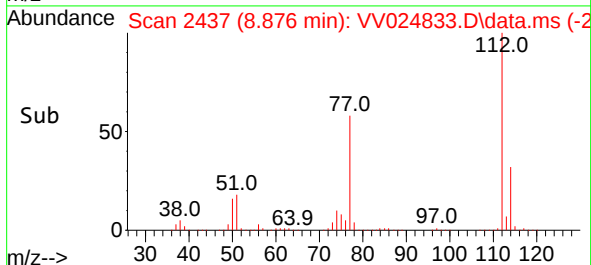
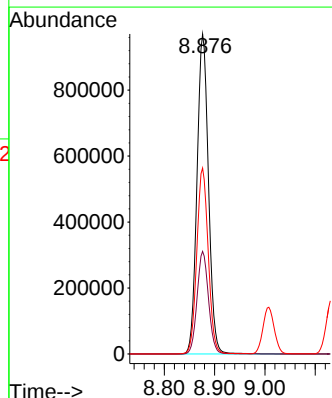
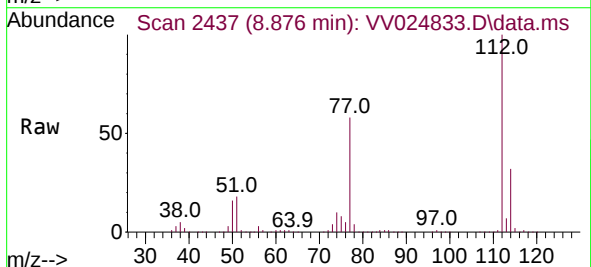
Tgt Ion:112 Resp: 1533567

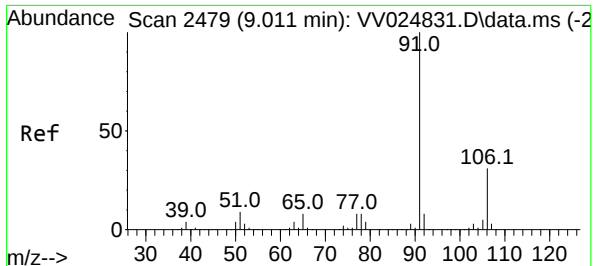
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 58.1 46.7 70.1





#52

Ethylbenzene

Concen: 225.713 ug/L

RT: 9.008 min Scan# 24

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

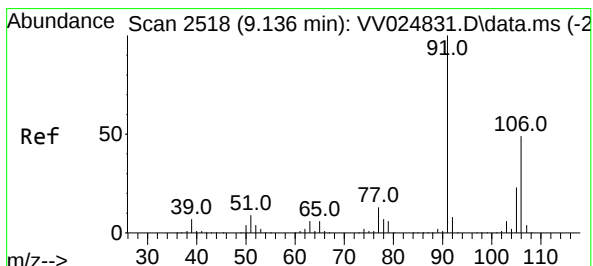
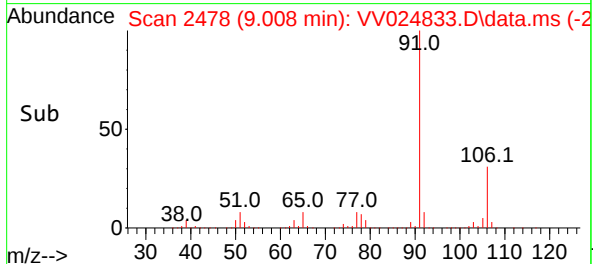
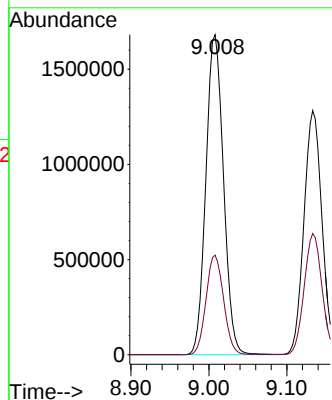
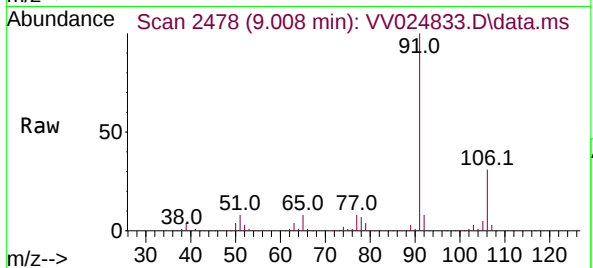
VSTD200211

Tgt Ion: 91 Resp: 2640415

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



#53

m,p-Xylene

Concen: 230.908 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. -0.003 min

Lab File: VV024833.D

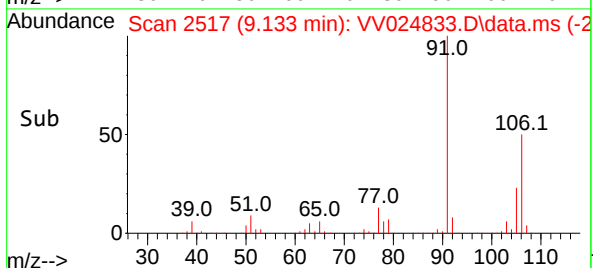
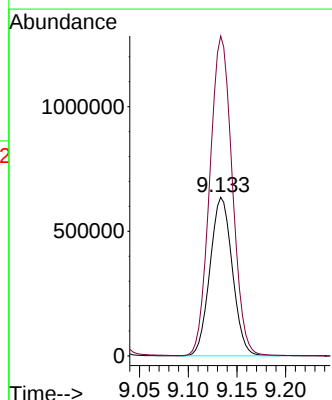
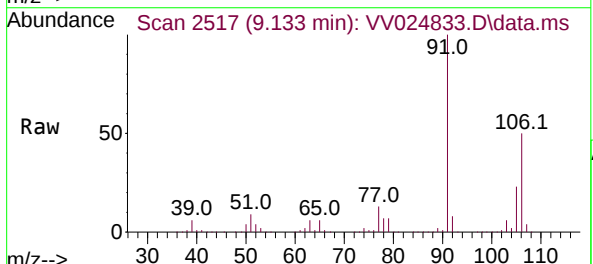
Acq: 28 Feb 2022 14:13

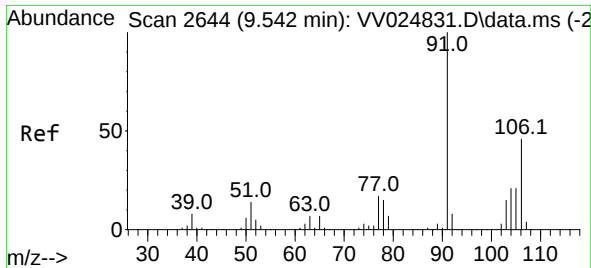
Tgt Ion:106 Resp: 1015453

Ion Ratio Lower Upper

106 100

91 201.5 142.2 264.2

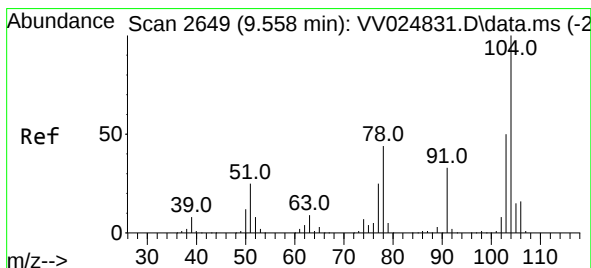
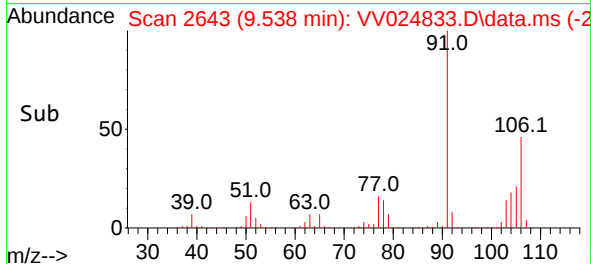
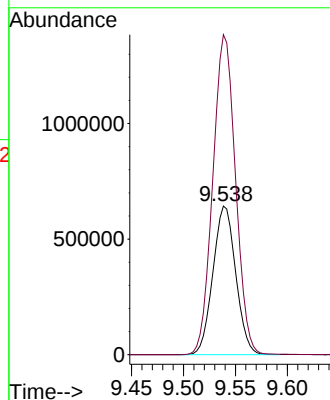
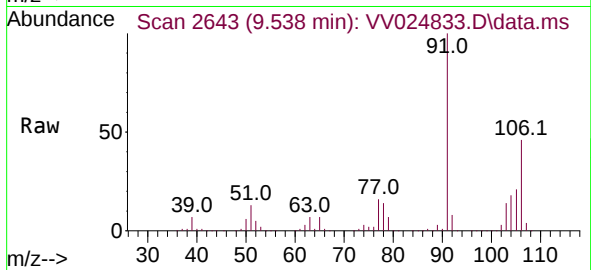




#54
o-Xylene
Concen: 224.819 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

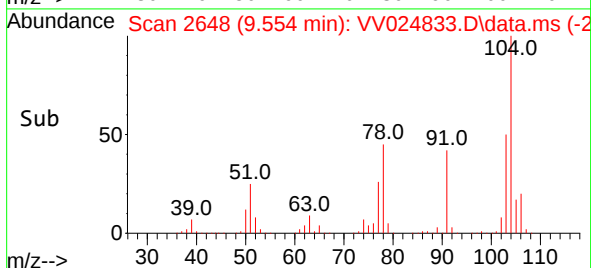
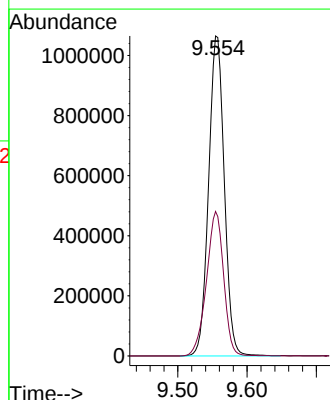
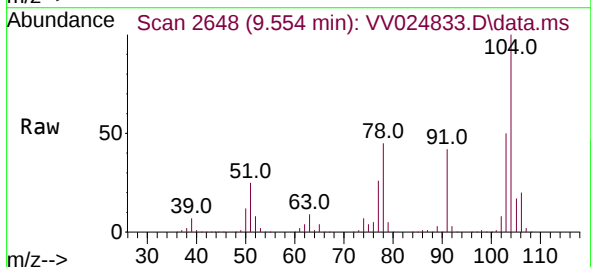
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

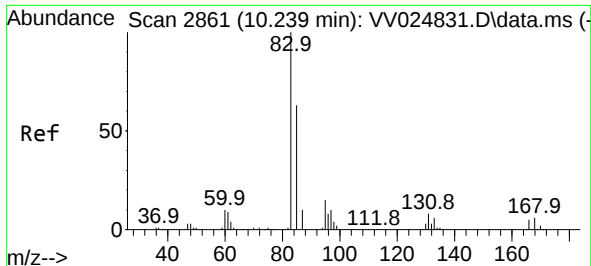
Tgt Ion:106 Resp: 982271
Ion Ratio Lower Upper
106 100
91 215.2 151.6 281.6



#55
Styrene
Concen: 225.077 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. -0.003 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion:104 Resp: 1670870
Ion Ratio Lower Upper
104 100
78 45.2 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 228.983 ug/L

RT: 10.236 min Scan# 2860

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211

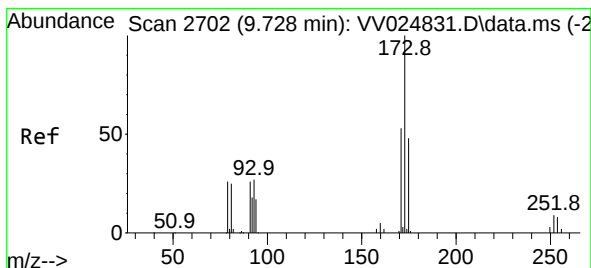
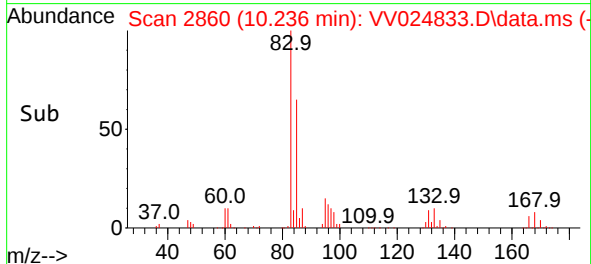
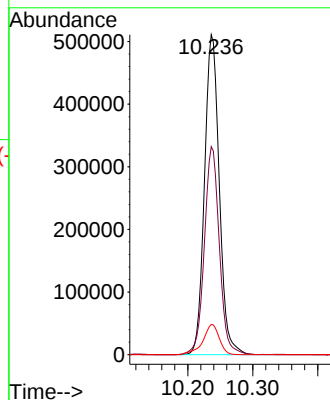
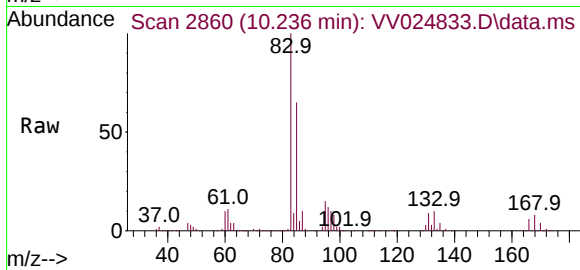
Tgt Ion: 83 Resp: 811431

Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.2

131 9.5 7.0 10.4



#59

Bromoform

Concen: 229.106 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. -0.003 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

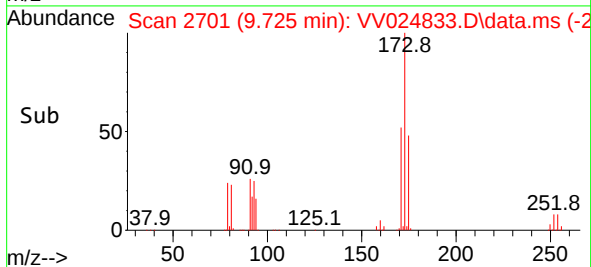
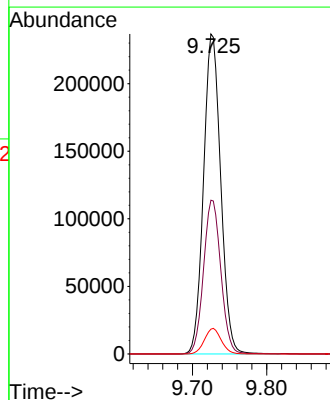
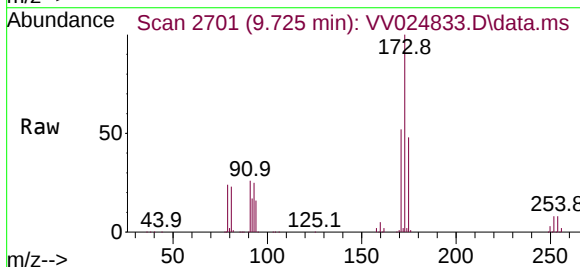
Tgt Ion: 173 Resp: 379825

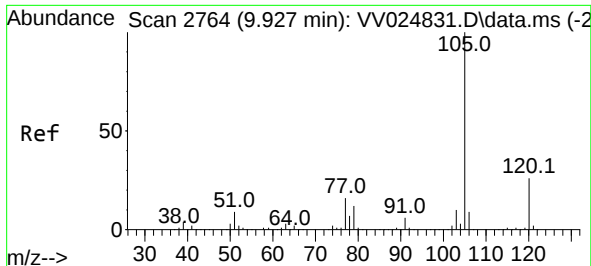
Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

254 7.8 6.2 9.4

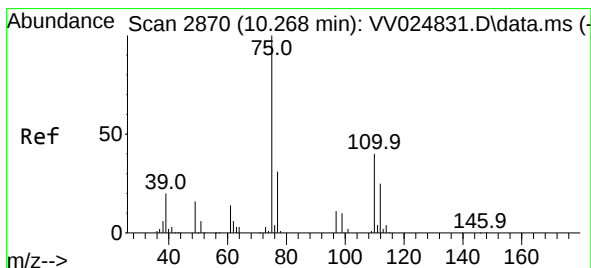
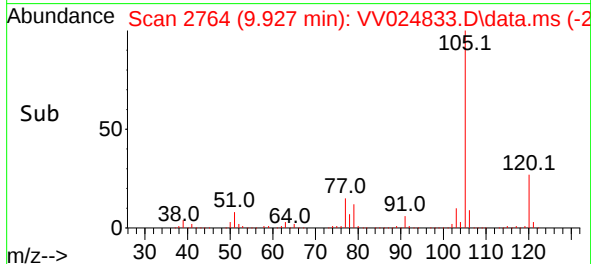
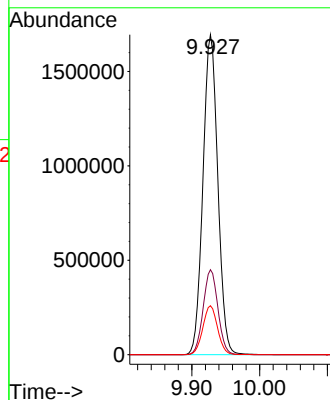
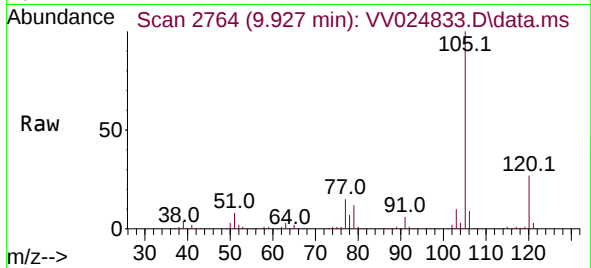




#60
Isopropylbenzene
Concen: 205.639 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

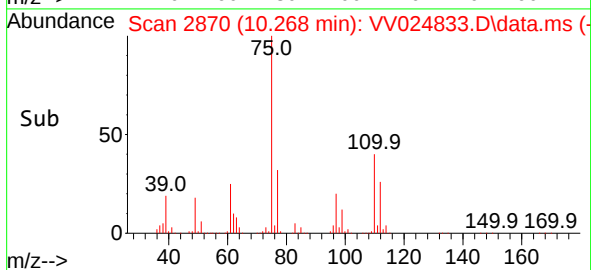
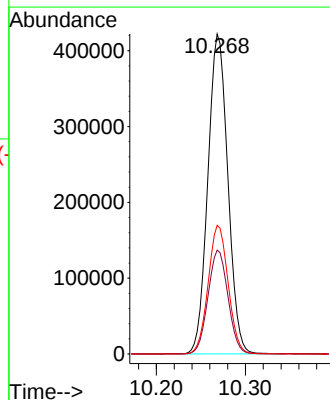
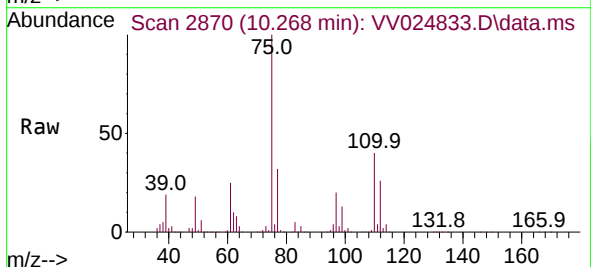
Instrument :
MSVOA_V
ClientSampleId :
VSTD200211

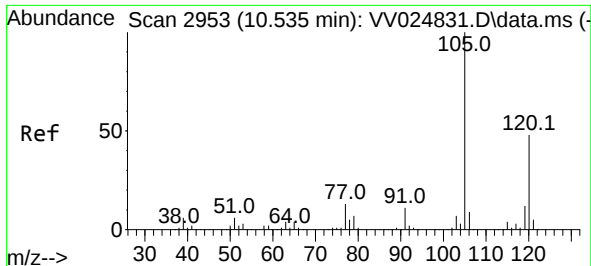
Tgt Ion:105 Resp: 2582805
Ion Ratio Lower Upper
105 100
120 26.4 20.6 31.0
77 15.2 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 190.679 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. -0.000 min
Lab File: VV024833.D
Acq: 28 Feb 2022 14:13

Tgt Ion: 75 Resp: 656214
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
110 40.3 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 180.382 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

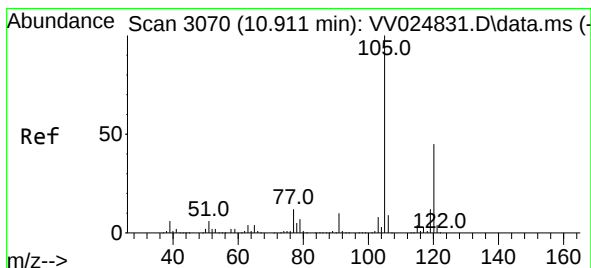
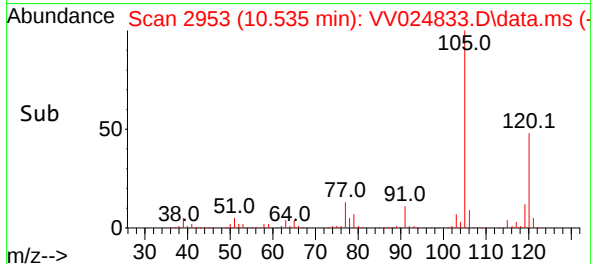
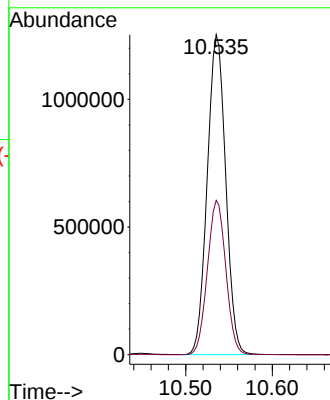
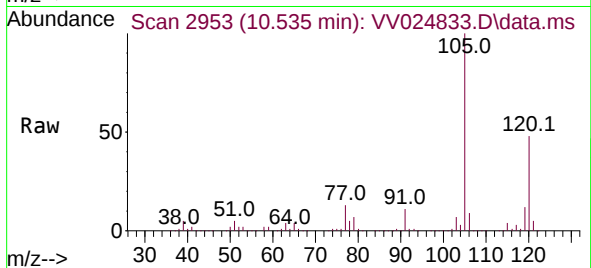
VSTD200211

Tgt Ion:105 Resp: 1854049

Ion Ratio Lower Upper

105 100

120 48.2 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 209.264 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV024833.D

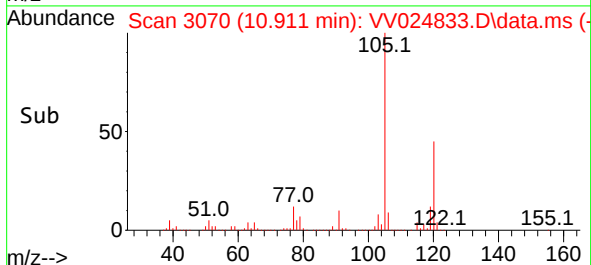
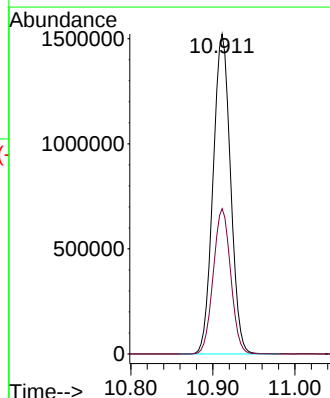
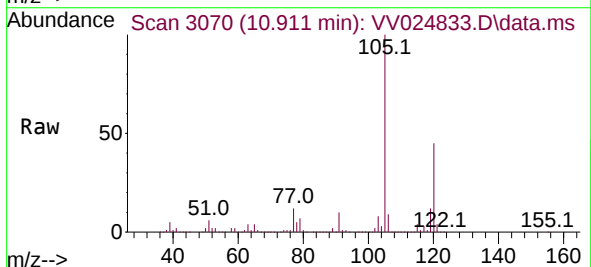
Acq: 28 Feb 2022 14:13

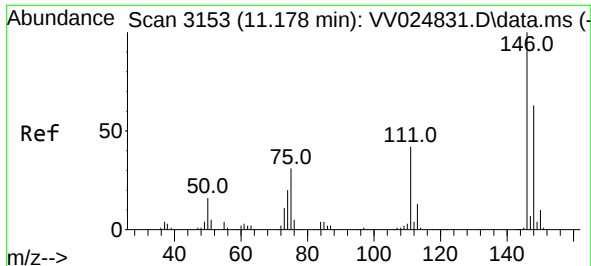
Tgt Ion:105 Resp: 2250083

Ion Ratio Lower Upper

105 100

120 45.2 36.1 54.1

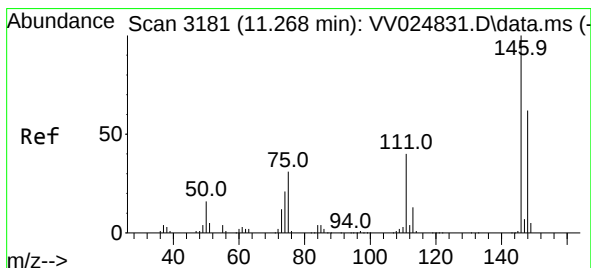
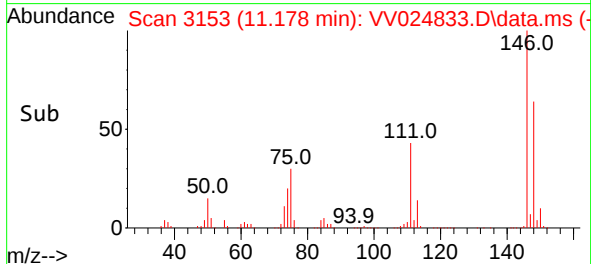
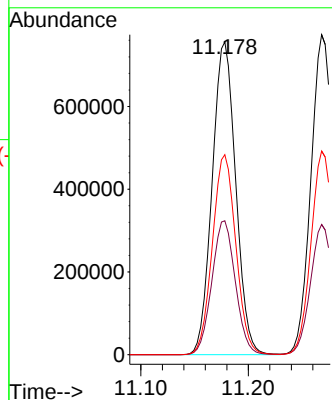
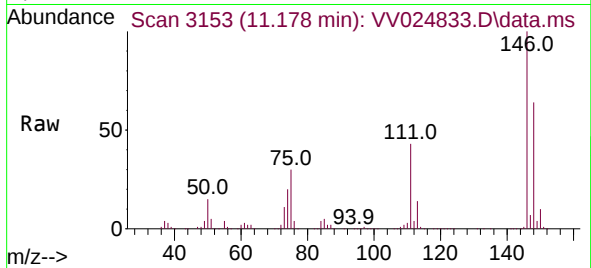




#64
 1,3-Dichlorobenzene
 Concen: 222.227 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

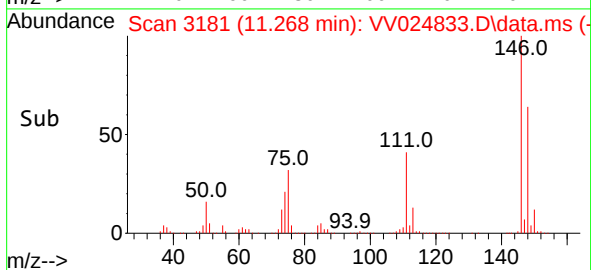
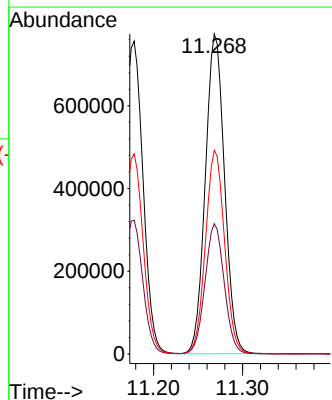
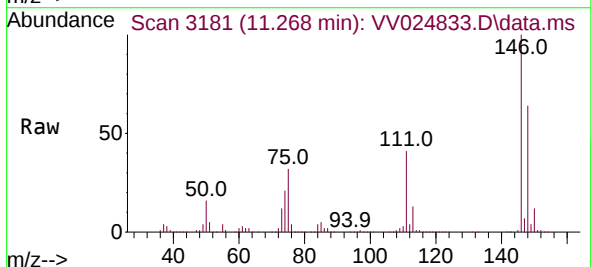
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200211

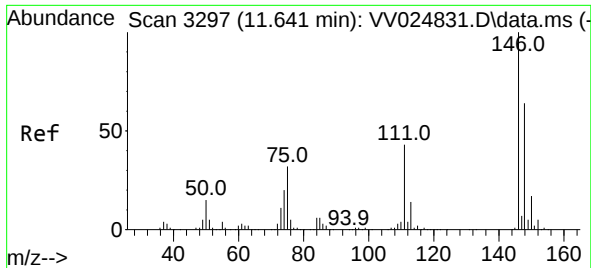
Tgt Ion:146 Resp: 1151483
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.7 55.1
 148 63.9 43.9 81.5



#65
 1,4-Dichlorobenzene
 Concen: 219.434 ug/L
 RT: 11.268 min Scan# 3181
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

Tgt Ion:146 Resp: 1156048
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.6 53.0
 148 63.6 43.7 81.1

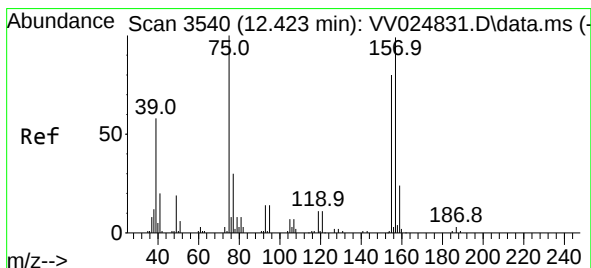
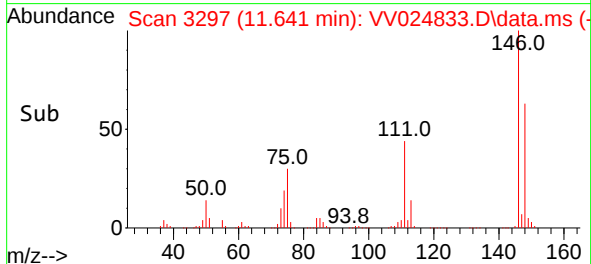
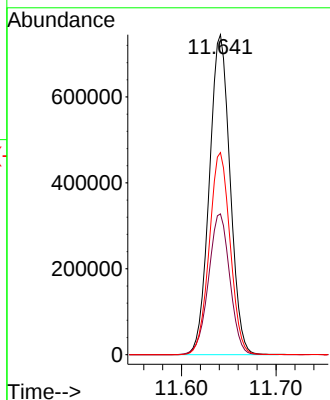
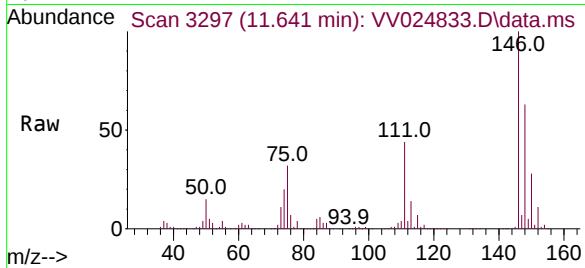




#67
 1,2-Dichlorobenzene
 Concen: 218.496 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

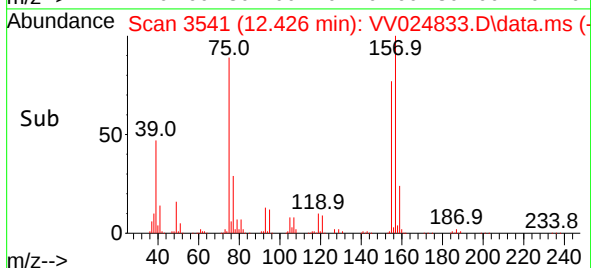
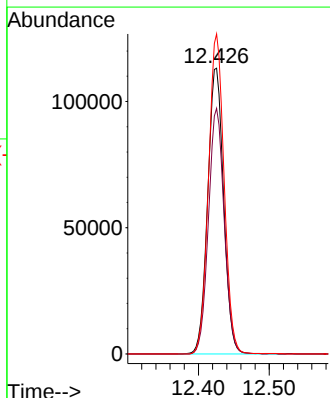
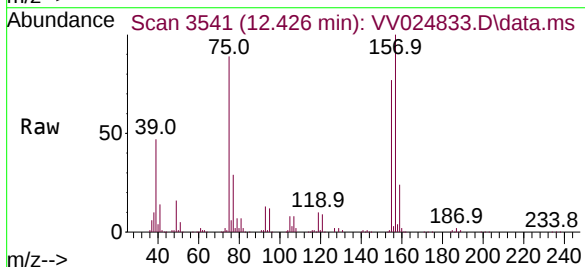
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200211

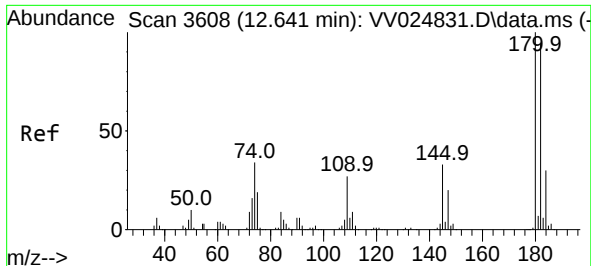
Tgt Ion:146 Resp: 1134727
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.9 52.3
 148 63.2 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 198.824 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. 0.003 min
 Lab File: VV024833.D
 Acq: 28 Feb 2022 14:13

Tgt Ion: 75 Resp: 176624
 Ion Ratio Lower Upper
 75 100
 155 85.9 63.8 95.8
 157 112.0 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 241.736 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV024833.D

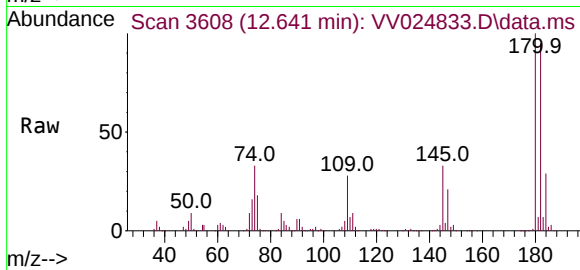
Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211



Tgt Ion:180 Resp: 835049

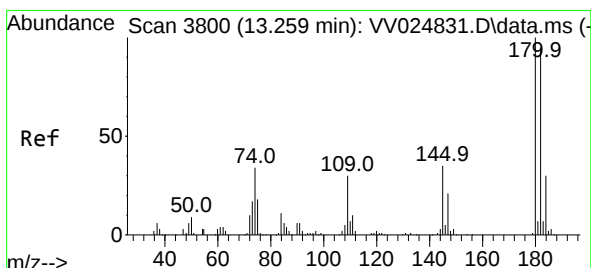
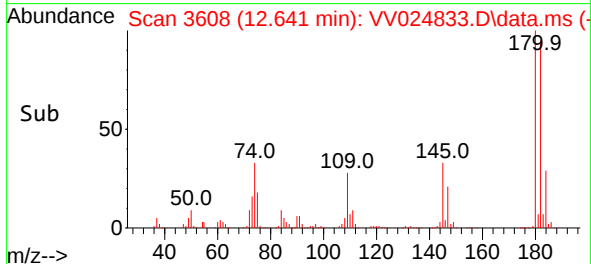
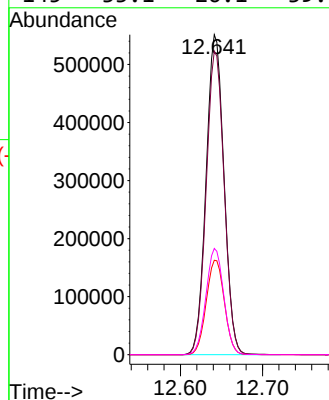
Ion Ratio Lower Upper

180 100

182 95.1 75.1 112.7

184 29.9 23.9 35.9

145 33.1 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 246.797 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

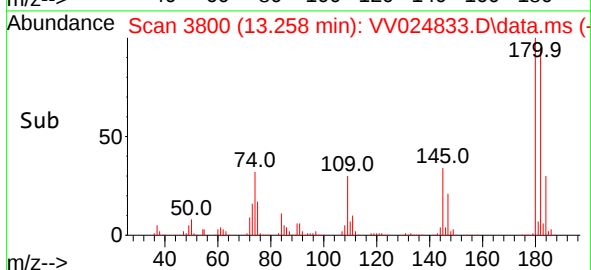
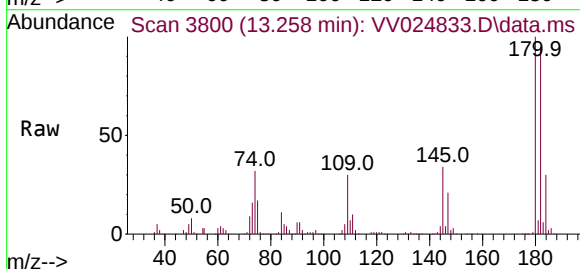
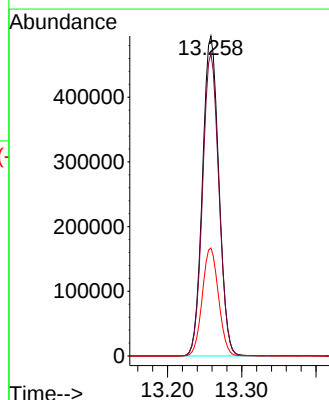
Tgt Ion:180 Resp: 755618

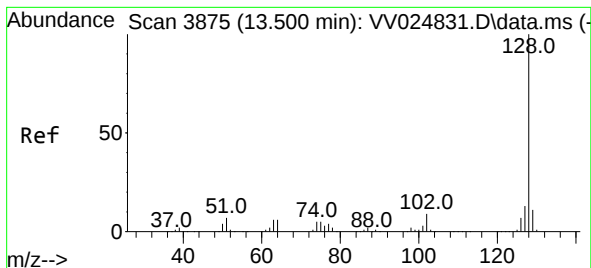
Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 33.5 27.6 41.4





#71

Naphthalene

Concen: 215.535 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD200211

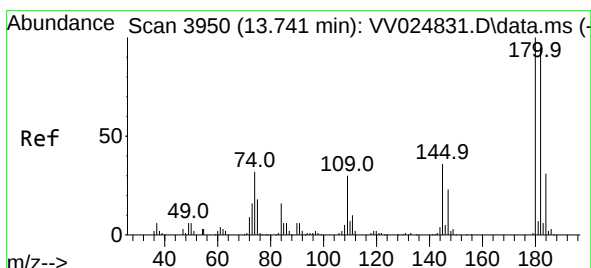
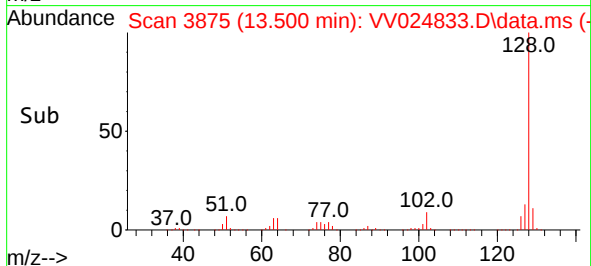
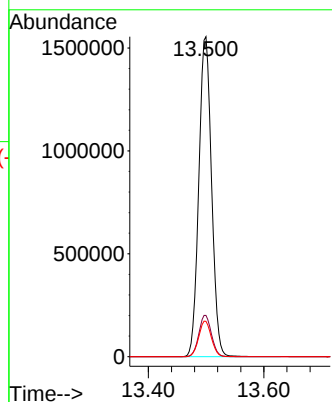
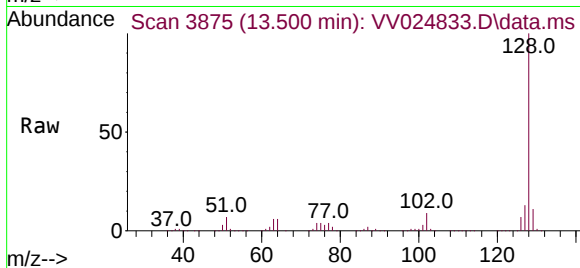
Tgt Ion:128 Resp: 2377058

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 236.576 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV024833.D

Acq: 28 Feb 2022 14:13

Tgt Ion:180 Resp: 710111

Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

145 35.0 28.7 43.1

