

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052523\
 Data File : VW031235.D
 Acq On : 25 May 2023 15:54
 Operator : SY/MD
 Sample : VSTD0.544
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 26 06:34:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:30:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	138800	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	113435	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	69595	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	7519	0.489	ug/L	0.00
7) Chloroethane-d5	1.535	69	6059	0.505	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	3359	0.528	ug/L	0.00
20) 2-Butanone-d5	3.850	46	9375	2.820	ug/L	0.04
24) Chloroform-d	4.265	84	14385	0.472	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.963	65	6512	0.432	ug/L	0.00
32) Benzene-d6	4.976	84	21286	0.449	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.001	67	7965	0.502	ug/L	0.00
41) Toluene-d8	7.255	98	18824	0.455	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.577	79	2144	0.421	ug/L	0.02
46) 2-Hexanone-d5	8.046	63	7876	3.864	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.162	84	6002	0.536	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	8997	0.551	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	7048	0.472	ug/L	97
3) Chloromethane	1.217	50	8416	0.504	ug/L	98
5) Vinyl chloride	1.285	62	7869	0.487	ug/L	93
6) Bromomethane	1.494	94	3879	0.486	ug/L	94
8) Chloroethane	1.555	64	3960	0.465	ug/L	92
9) Trichlorofluoromethane	1.719	101	9678	0.436	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	5933	0.504	ug/L	99
12) 1,1-Dichloroethene	2.076	96	4935	0.525	ug/L	84
13) Acetone	2.143	43	13937	5.309	ug/L	91
14) Carbon disulfide	2.246	76	13456	0.484	ug/L	99
15) Methyl Acetate	2.404	43	2661	0.513	ug/L	92
16) Methylene chloride	2.455	84	6511	0.402	ug/L	90
17) Methyl tert-butyl Ether	2.712	73	11309	0.436	ug/L	98
18) trans-1,2-Dichloroethene	2.706	96	4687	0.447	ug/L	94
19) 1,1-Dichloroethane	3.124	63	11530	0.446	ug/L	96
21) 2-Butanone	3.863	43	181	0.055	ug/L #	56
22) cis-1,2-Dichloroethene	3.831	96	5254	0.437	ug/L	95
23) Bromochloromethane	4.169	128	2505	0.467	ug/L	83
25) Chloroform	4.297	83	11787	0.446	ug/L	94
27) 1,2-Dichloroethane	5.056	62	6025	0.402	ug/L	97
29) 1,1,1-Trichloroethane	4.526	97	10253	0.485	ug/L #	79
30) Cyclohexane	4.587	56	7253	0.448	ug/L	98
31) Carbon tetrachloride	4.529	117	1235	0.068	ug/L	86
33) Benzene	5.027	78	17230	0.408	ug/L	100
34) Trichloroethene	5.847	95	5687	0.501	ug/L	94
35) Methylcyclohexane	6.063	83	6628	0.422	ug/L	98
37) 1,2-Dichloropropane	6.101	63	5852	0.473	ug/L #	95
38) Bromodichloromethane	6.445	83	7322	0.472	ug/L #	92
39) cis-1,3-Dichloropropene	6.972	75	6023	0.410	ug/L	92
40) 4-Methyl-2-pentanone	7.175	43	23491	3.872	ug/L	95
42) Toluene	7.329	91	17353	0.418	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	4878	0.383	ug/L	88

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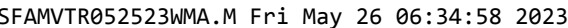
Quant Time: May 26 06:34:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:30:31 2023
 Response via : Initial Calibration

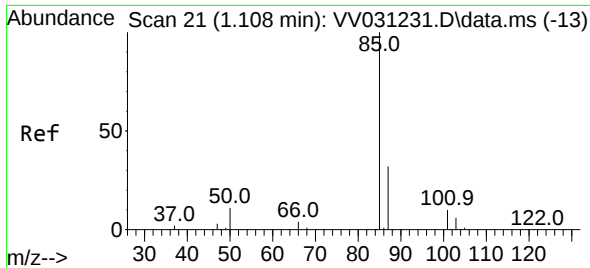
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.786	97	2901	0.387	ug/L	90
47) Tetrachloroethene	7.915	164	3599	0.437	ug/L	96
48) 2-Hexanone	8.095	43	17227	3.852	ug/L #	93
49) Dibromochloromethane	8.185	129	3844	0.427	ug/L	97
50) 1,2-Dibromoethane	8.294	107	3156	0.456	ug/L #	96
51) Chlorobenzene	8.828	112	12110	0.443	ug/L	97
52) Ethylbenzene	8.956	91	18320	0.400	ug/L	91
53) m,p-Xylene	9.085	106	7070	0.418	ug/L	94
54) o-Xylene	9.487	106	7007	0.435	ug/L	98
55) Styrene	9.509	104	11300	0.398	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	4391	0.464	ug/L #	88
59) Bromoform	9.673	173	2554	0.453	ug/L #	96
60) Isopropylbenzene	9.876	105	19641	0.387	ug/L	97
61) 1,2,3-Trichloropropane	10.220	75	3503	0.461	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	15728	0.382	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	15545	0.369	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	11111	0.463	ug/L	87
65) 1,4-Dichlorobenzene	11.217	146	12182	0.496	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	10750	0.467	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.371	75	808	0.504	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.593	180	9805	0.503	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	8255	0.529	ug/L #	96
71) Naphthalene	13.451	128	16724	0.725	ug/L	97
72) 1,2,3-Trichlorobenzene	13.689	180	6950	0.518	ug/L #	92

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

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QLast Update : Fri May 26 06:30:31 2023
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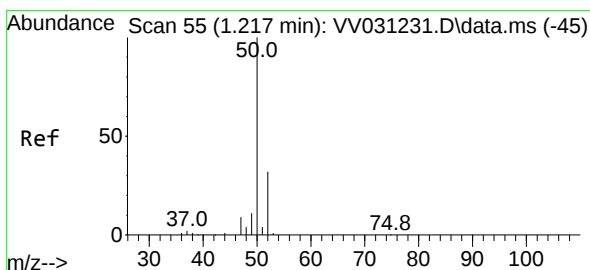
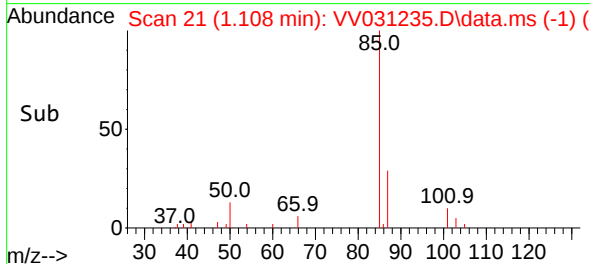
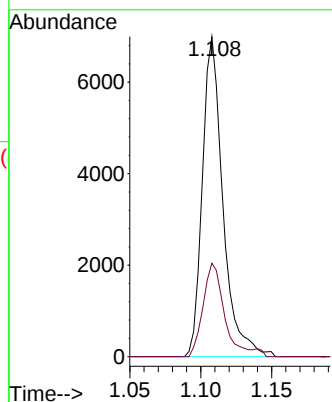
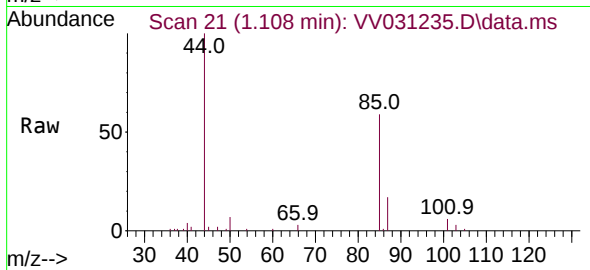




#2
 Dichlorodifluoromethane
 Concen: 0.472 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

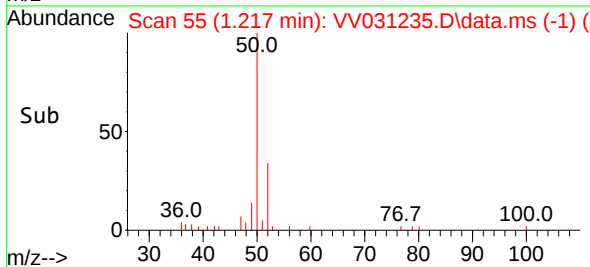
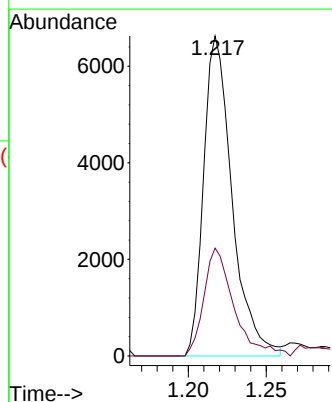
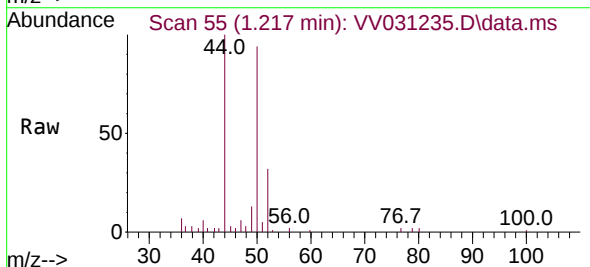
Instrument :
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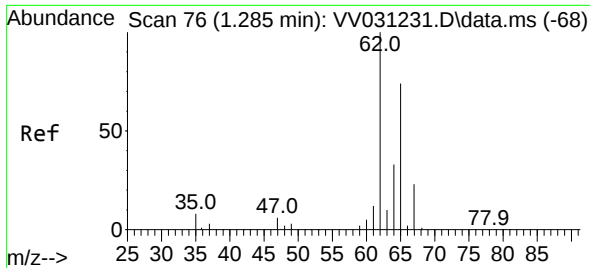
Tgt Ion: 85 Resp: 7048
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.1 39.1



#3
 Chloromethane
 Concen: 0.504 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

Tgt Ion: 50 Resp: 8416
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.7 42.1

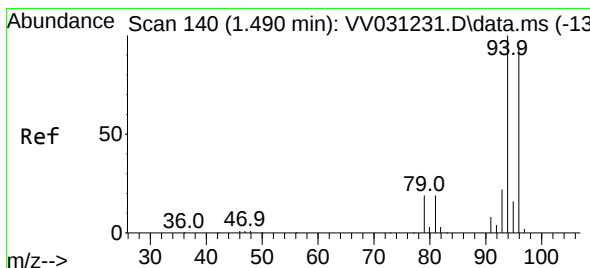
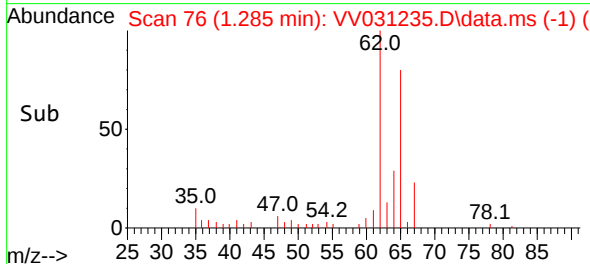
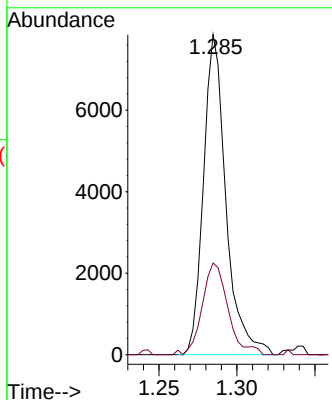
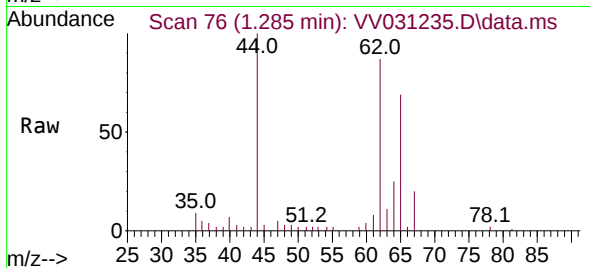




#5
 Vinyl chloride
 Concen: 0.487 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

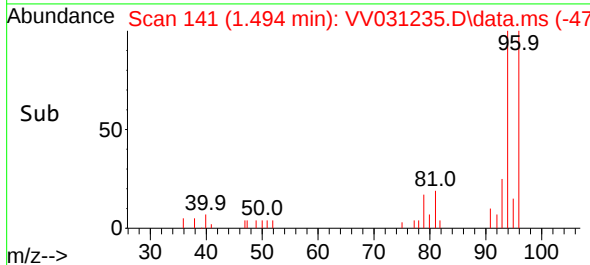
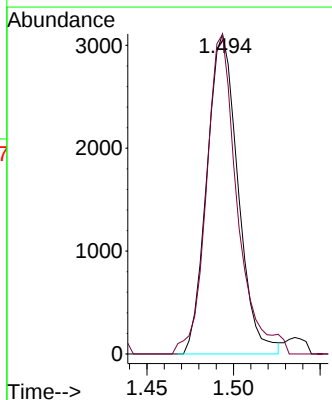
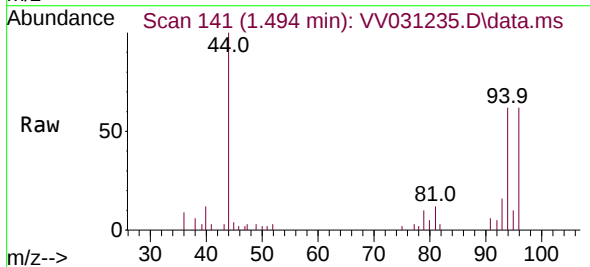
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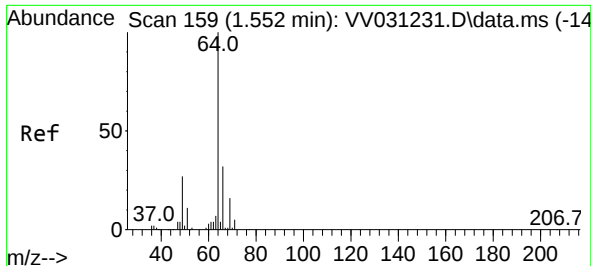
Tgt Ion: 62 Resp: 7869
 Ion Ratio Lower Upper
 62 100
 64 28.7 22.7 42.3



#6
 Bromomethane
 Concen: 0.486 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

Tgt Ion: 94 Resp: 3879
 Ion Ratio Lower Upper
 94 100
 96 99.8 65.8 122.2

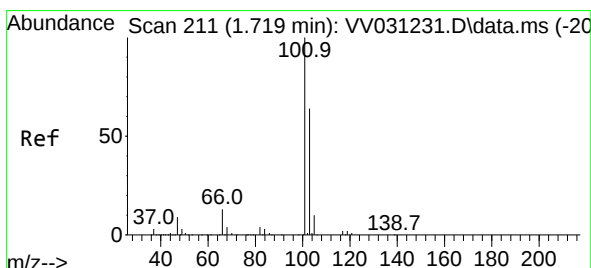
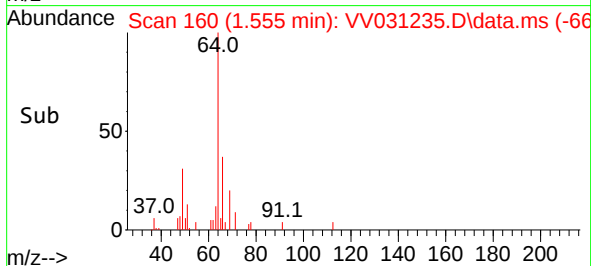
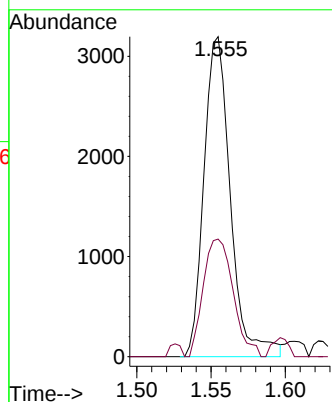
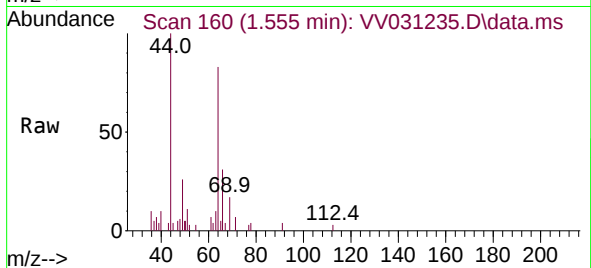




#8
Chloroethane
Concen: 0.465 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

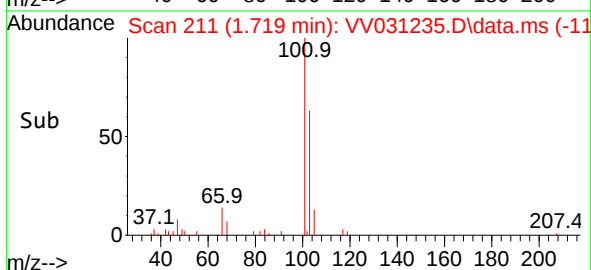
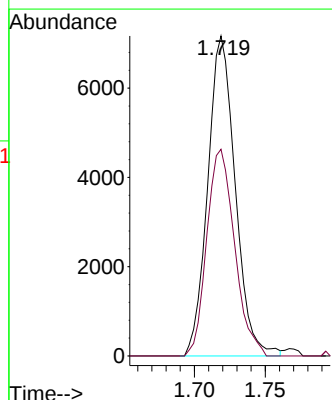
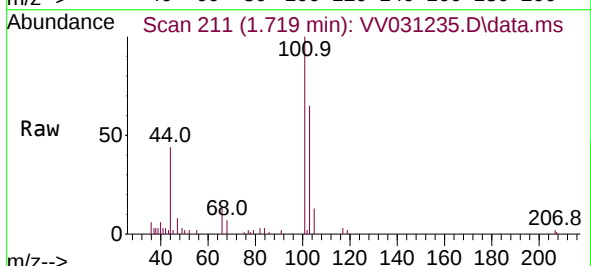
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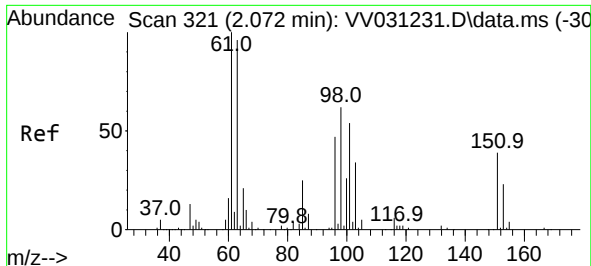
Tgt Ion: 64 Resp: 3960
Ion Ratio Lower Upper
64 100
66 36.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.436 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion:101 Resp: 9678
Ion Ratio Lower Upper
101 100
103 65.3 52.1 78.1

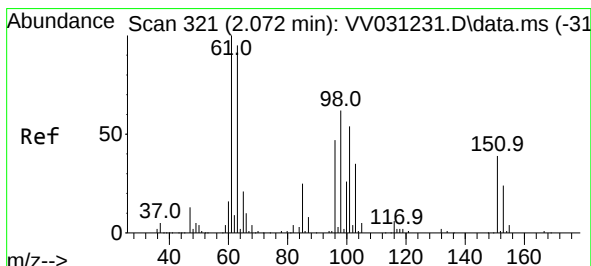
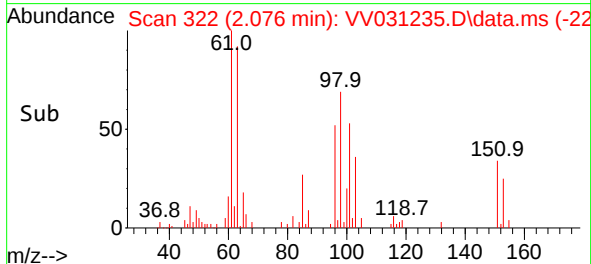
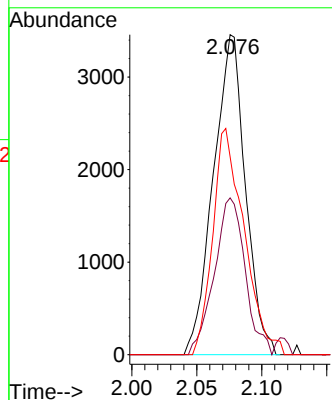
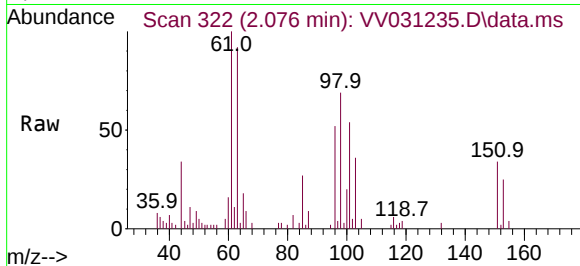




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.504 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

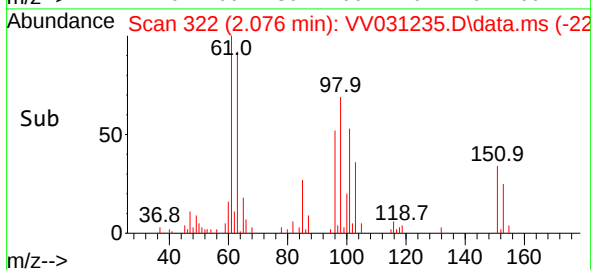
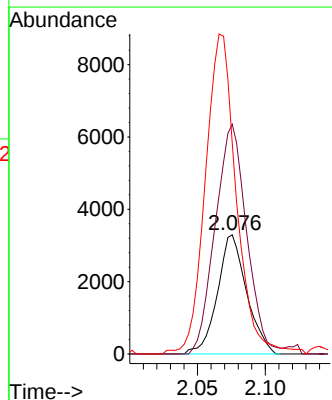
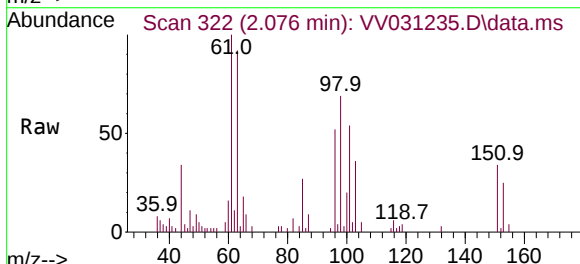
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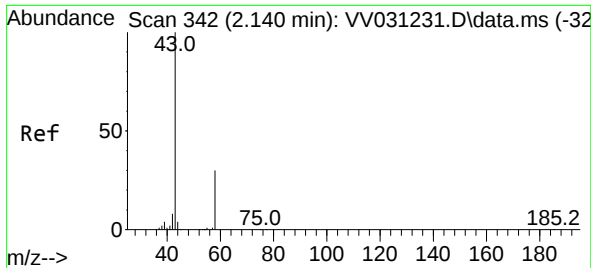
Tgt Ion:101 Resp: 5933
 Ion Ratio Lower Upper
 101 100
 85 47.0 37.6 56.4
 151 69.2 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 0.525 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV031235.D
 Acq: 25 May 2023 15:54

Tgt Ion: 96 Resp: 4935
 Ion Ratio Lower Upper
 96 100
 61 192.7 150.0 278.6
 63 177.3 143.5 266.5





#13

Acetone

Concen: 5.309 ug/L

RT: 2.143 min Scan# 342

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

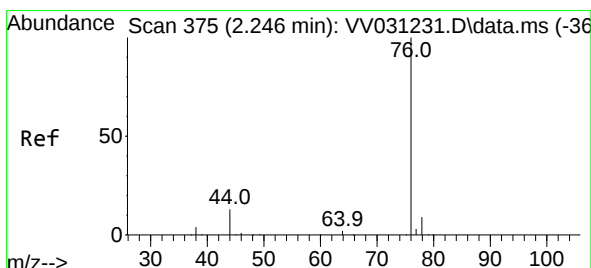
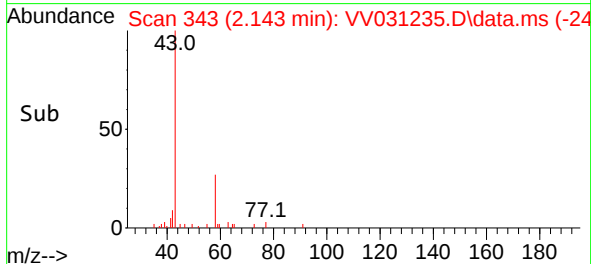
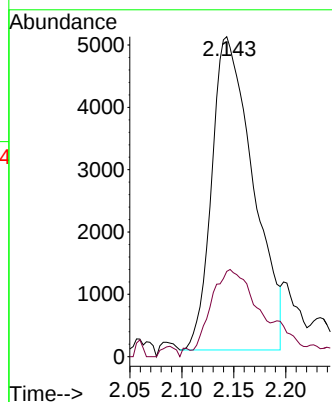
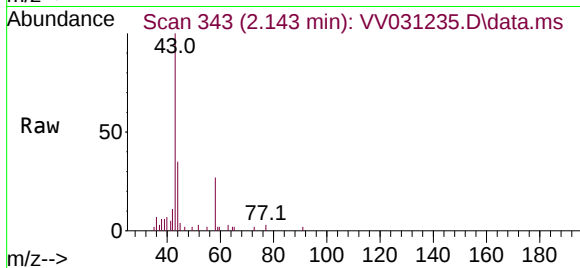
ClientSampleId :

Tgt Ion: 43 Resp: 13937

Ion Ratio Lower Upper

43 100

58 26.2 0.0 62.2



#14

Carbon disulfide

Concen: 0.484 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031235.D

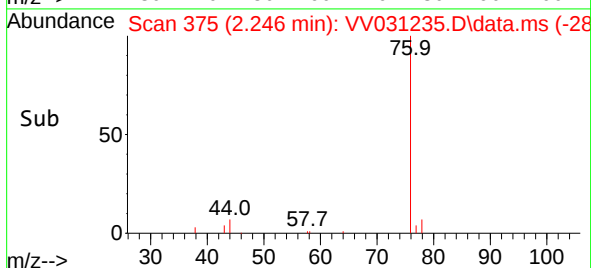
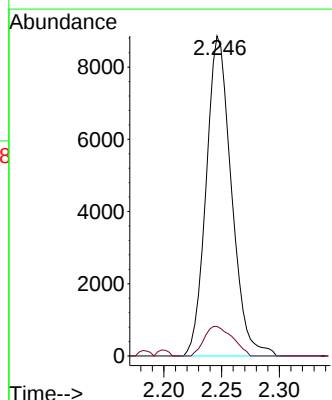
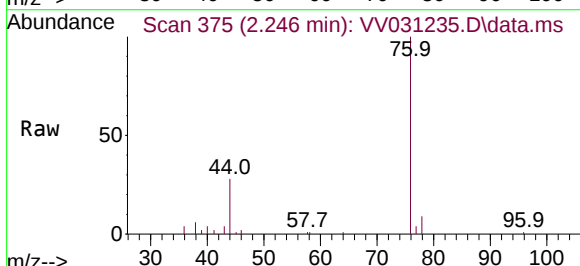
Acq: 25 May 2023 15:54

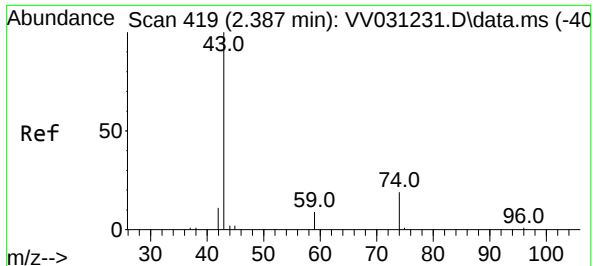
Tgt Ion: 76 Resp: 13456

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

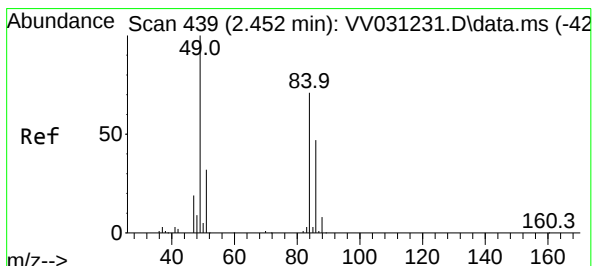
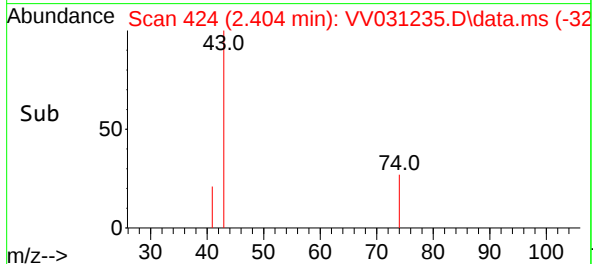
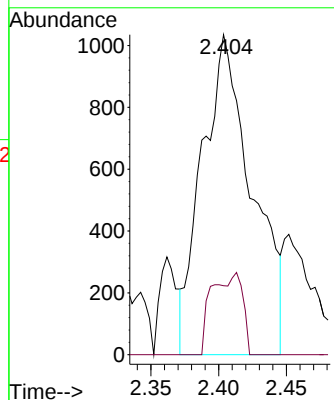
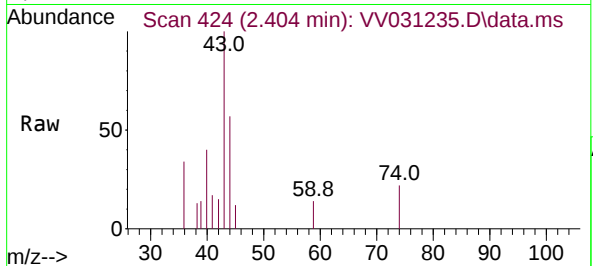




#15
Methyl Acetate
Concen: 0.513 ug/L
RT: 2.404 min Scan# 419
Delta R.T. 0.016 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

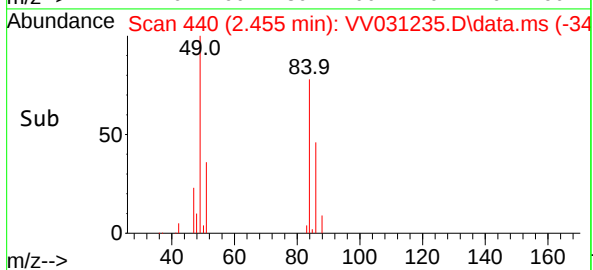
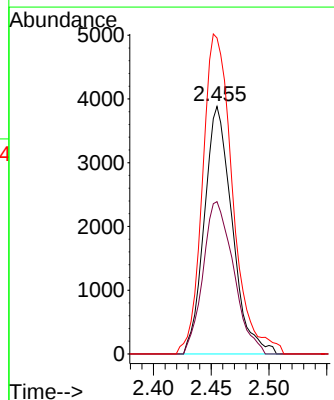
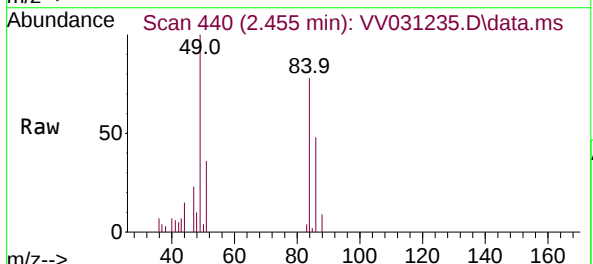
Instrument :
MSVOA_V
ClientSampleId :

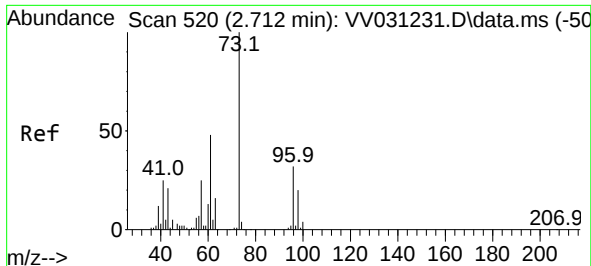
Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
74 15.7 15.5 23.3



#16
Methylene chloride
Concen: 0.402 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 84 Resp: 6511
Ion Ratio Lower Upper
84 100
86 61.5 46.8 86.8
49 127.7 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 0.436 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

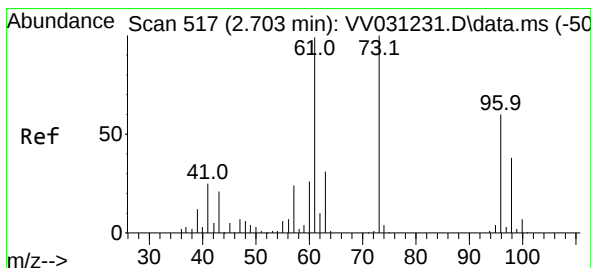
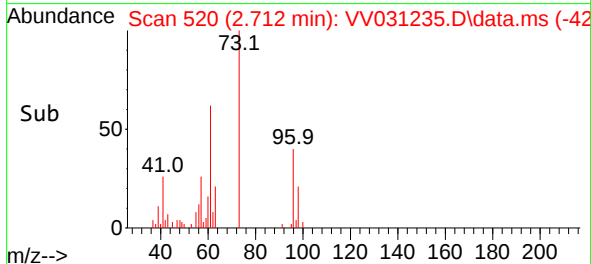
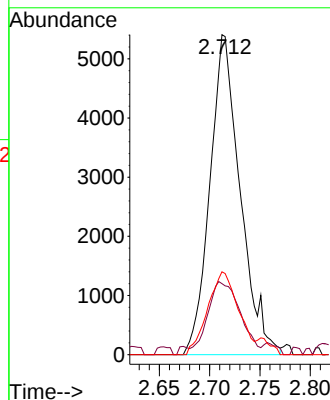
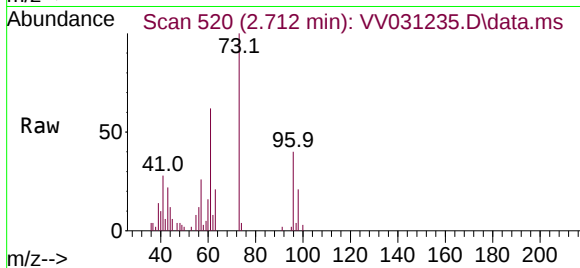
Tgt Ion: 73 Resp: 11309

Ion Ratio Lower Upper

73 100

43 21.8 17.0 25.6

57 26.2 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 0.447 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

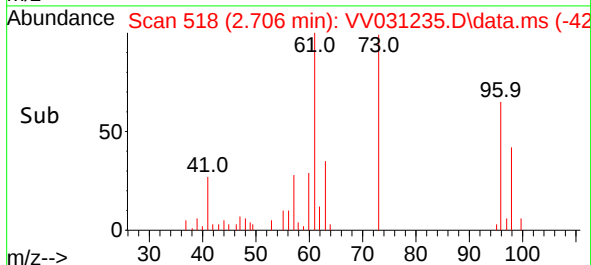
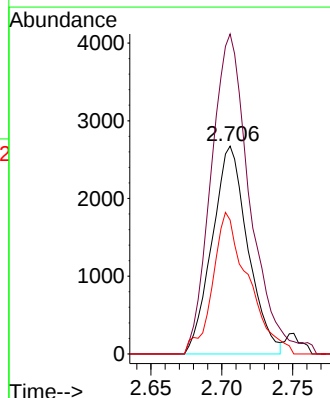
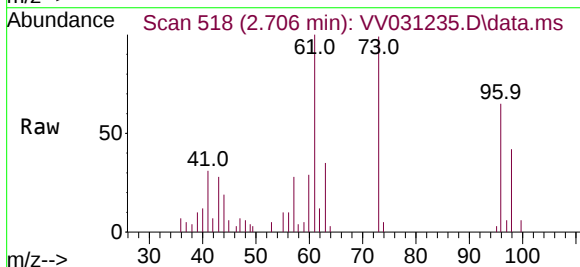
Tgt Ion: 96 Resp: 4687

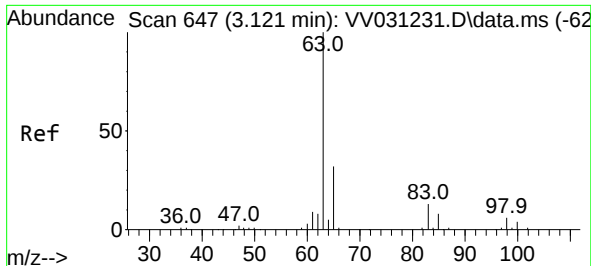
Ion Ratio Lower Upper

96 100

61 154.0 115.0 213.6

98 64.4 44.4 82.5





#19

1,1-Dichloroethane

Concen: 0.446 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

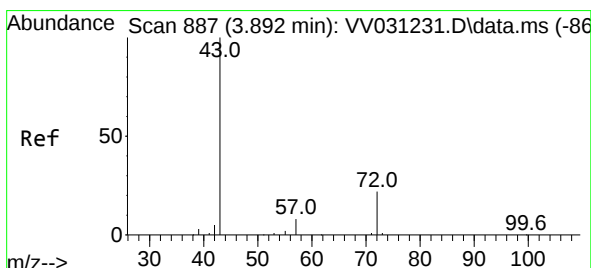
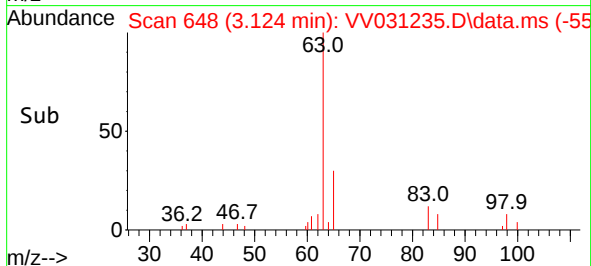
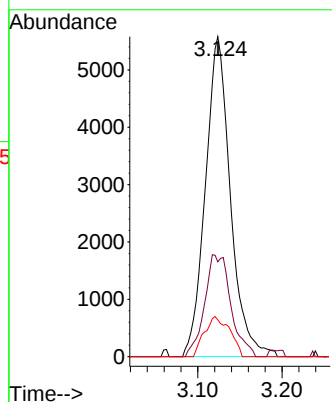
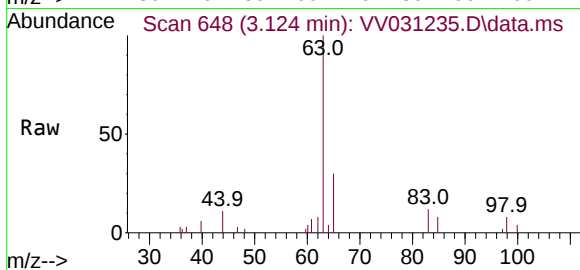
Tgt Ion: 63 Resp: 11530

Ion Ratio Lower Upper

63 100

65 29.7 22.4 41.6

83 11.5 9.0 16.6



#21

2-Butanone

Concen: 0.055 ug/L

RT: 3.863 min Scan# 878

Delta R.T. -0.029 min

Lab File: VV031235.D

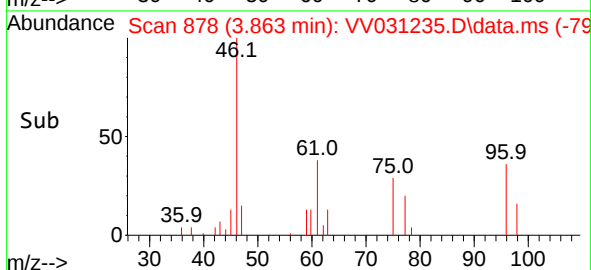
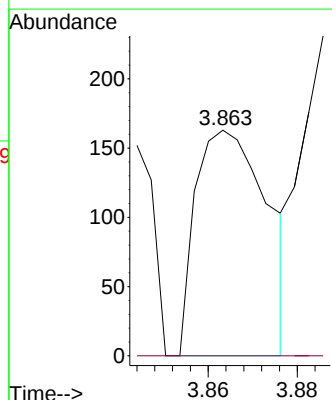
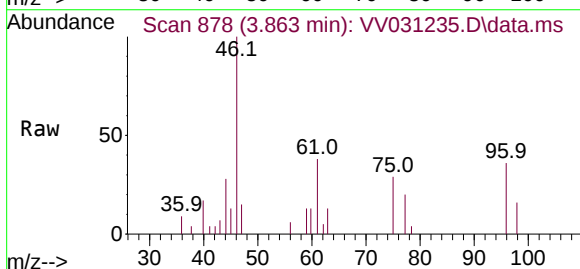
Acq: 25 May 2023 15:54

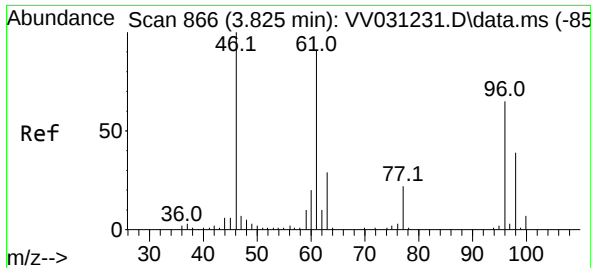
Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

72 0.0 10.3 30.9#

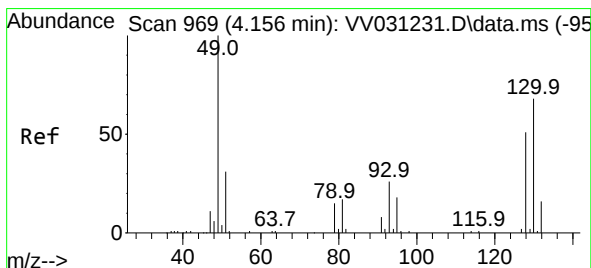
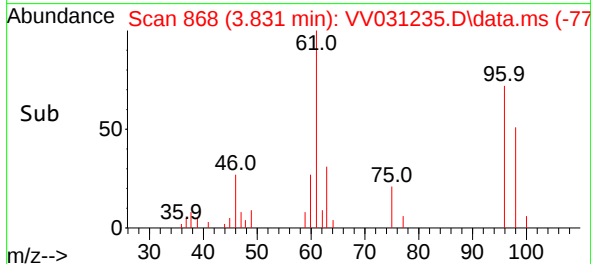
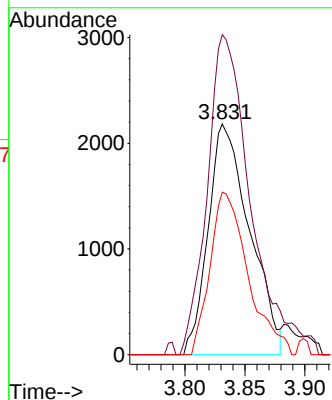
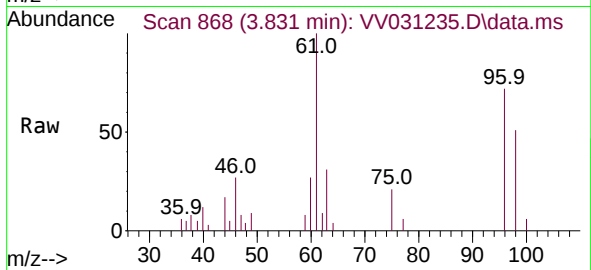




#22
cis-1,2-Dichloroethene
Concen: 0.437 ug/L
RT: 3.831 min Scan# 80
Delta R.T. 0.006 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

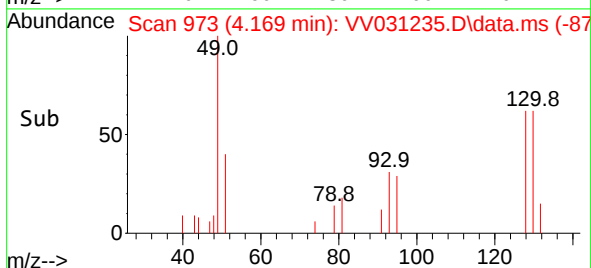
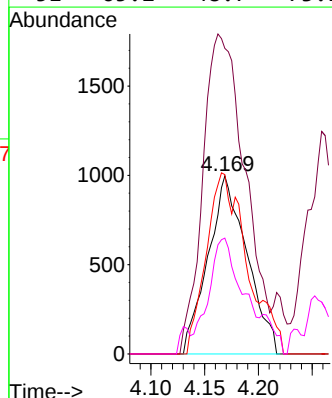
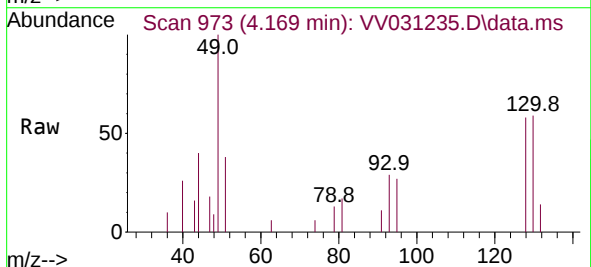
Instrument :
MSVOA_V
ClientSampleId :

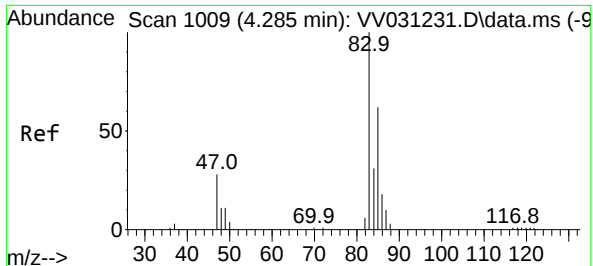
Tgt Ion: 96 Resp: 5254
Ion Ratio Lower Upper
96 100
61 138.7 98.2 182.4
98 70.5 42.8 79.6



#23
Bromochloromethane
Concen: 0.467 ug/L
RT: 4.169 min Scan# 973
Delta R.T. 0.013 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion:128 Resp: 2505
Ion Ratio Lower Upper
128 100
49 171.8 136.2 253.0
130 100.8 92.0 170.9
51 65.2 48.7 73.1





#25

Chloroform

Concen: 0.446 ug/L

RT: 4.297 min Scan# 1009

Delta R.T. 0.013 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

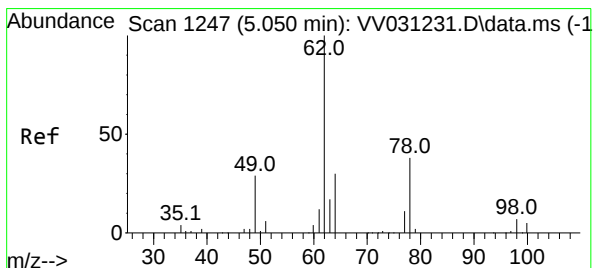
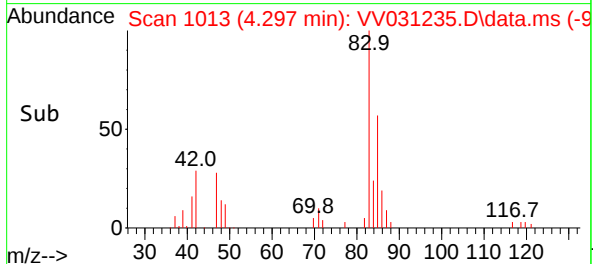
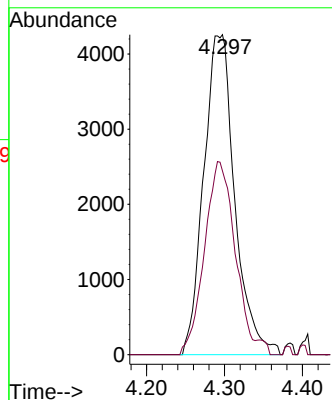
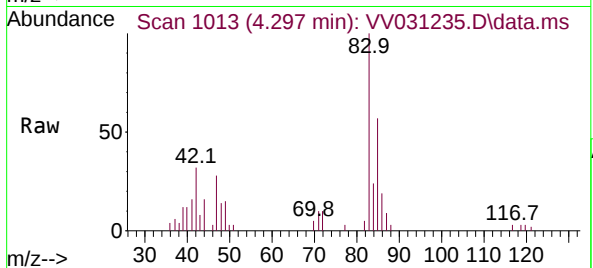
ClientSampleId :

Tgt Ion: 83 Resp: 11787

Ion Ratio Lower Upper

83 100

85 57.5 43.4 80.6



#27

1,2-Dichloroethane

Concen: 0.402 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VV031235.D

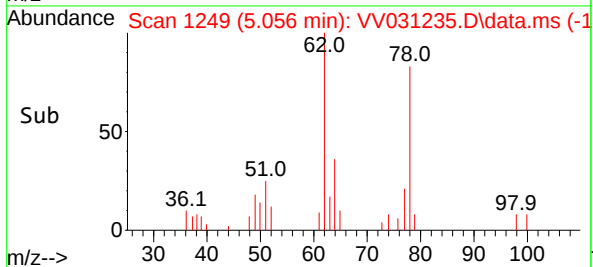
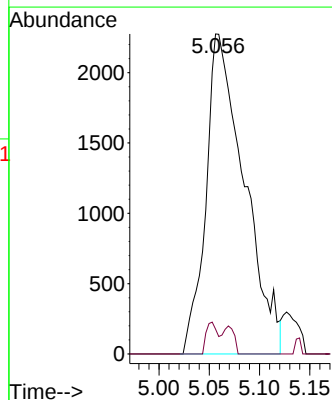
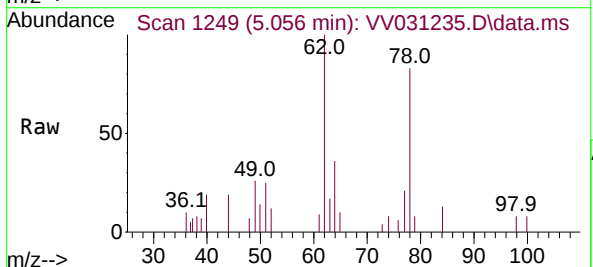
Acq: 25 May 2023 15:54

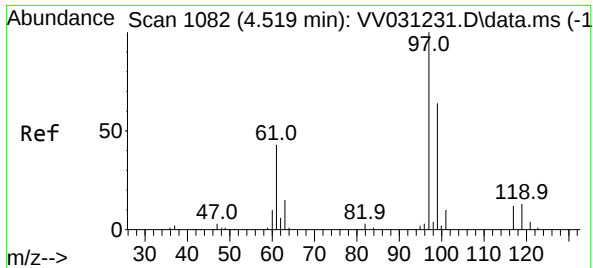
Tgt Ion: 62 Resp: 6025

Ion Ratio Lower Upper

62 100

98 7.8 5.4 8.2





#29

1,1,1-Trichloroethane

Concen: 0.485 ug/L

RT: 4.526 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

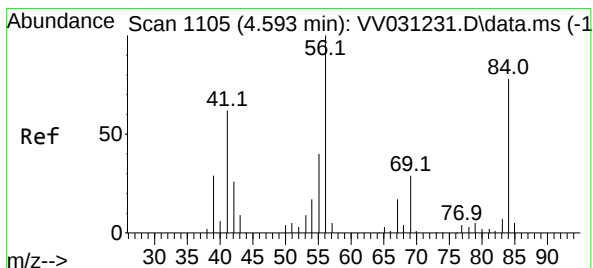
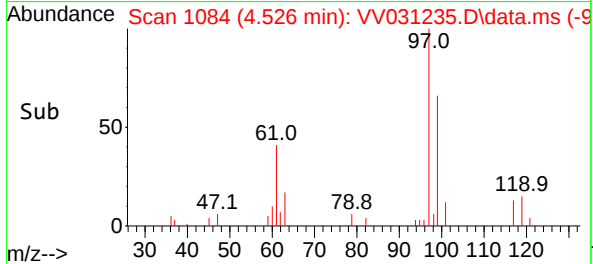
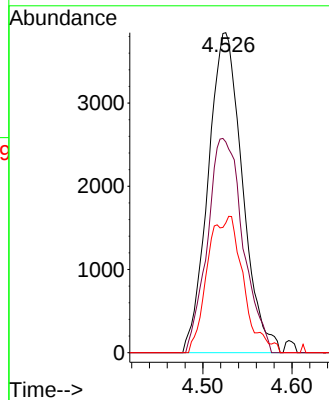
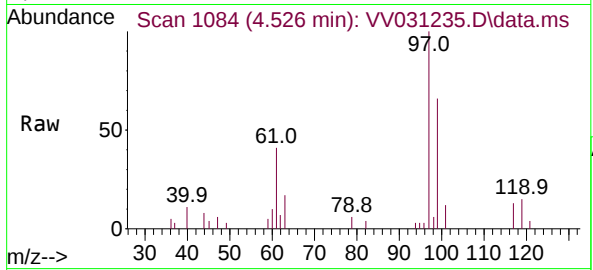
Tgt Ion: 97 Resp: 10253

Ion Ratio Lower Upper

97 100

99 69.6 50.6 75.8

61 18.2 35.5 53.3#



#30

Cyclohexane

Concen: 0.448 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

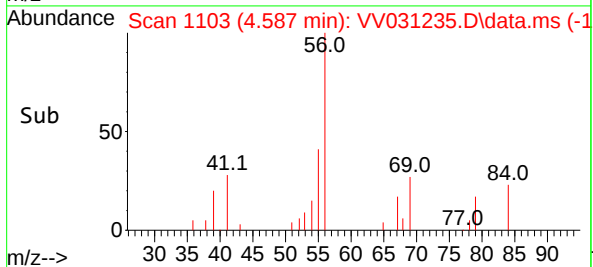
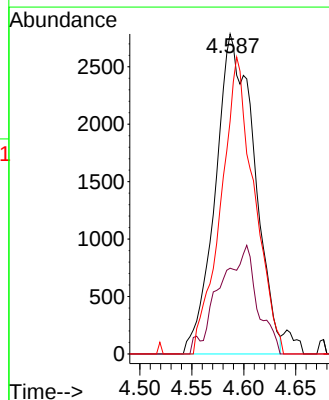
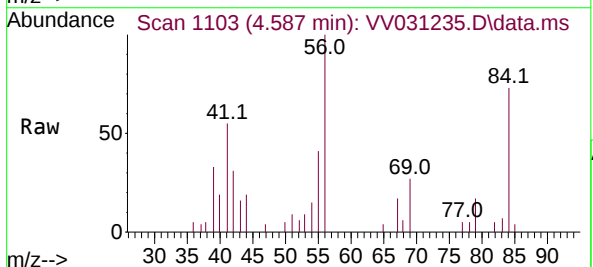
Tgt Ion: 56 Resp: 7253

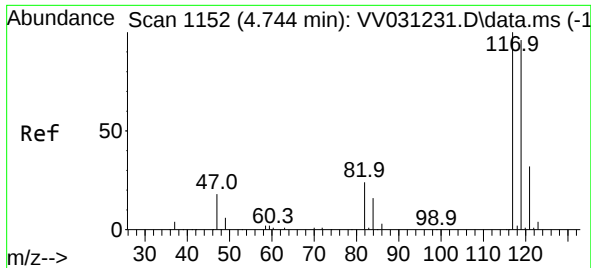
Ion Ratio Lower Upper

56 100

69 31.6 24.0 36.0

84 79.4 62.5 93.7

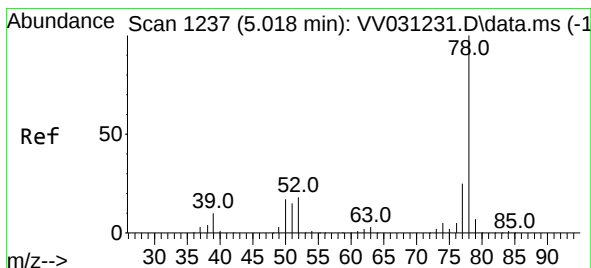
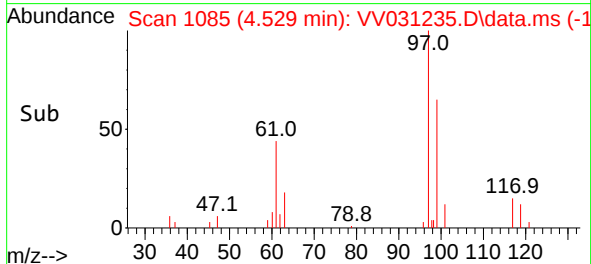
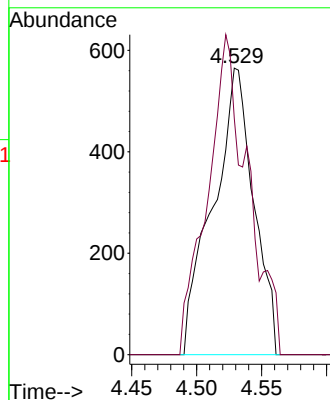
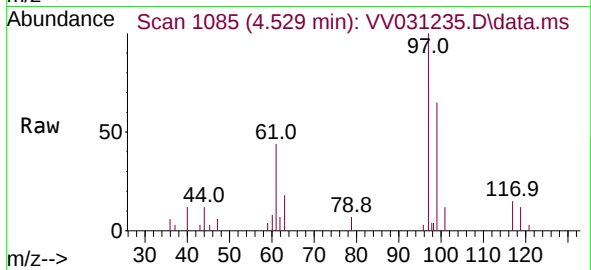




#31
Carbon tetrachloride
Concen: 0.068 ug/L
RT: 4.529 min Scan# 1152
Delta R.T. -0.215 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

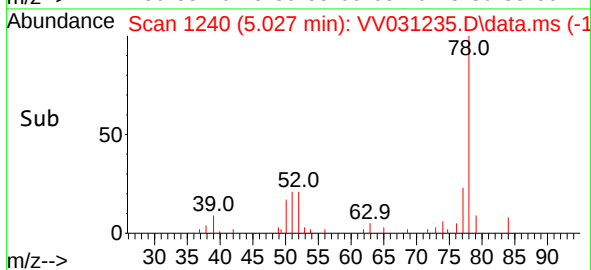
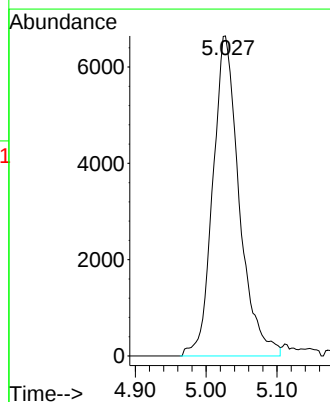
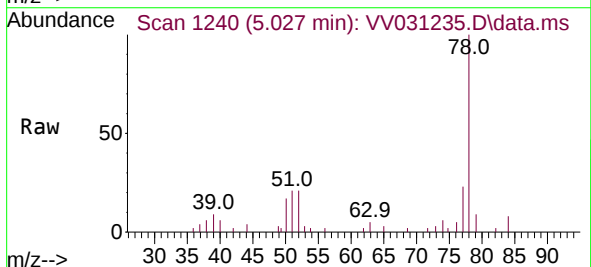
Instrument :
MSVOA_V
ClientSampleId :

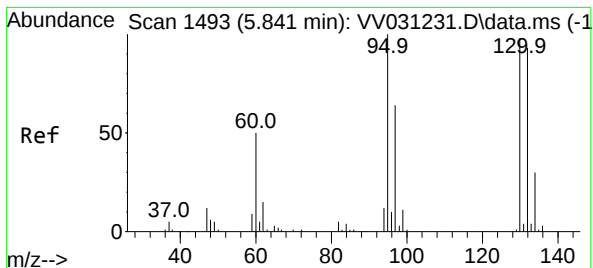
Tgt Ion:117 Resp: 1235
Ion Ratio Lower Upper
117 100
119 110.6 77.5 116.3



#33
Benzene
Concen: 0.408 ug/L
RT: 5.027 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 78 Resp: 17230





#34

Trichloroethene

Concen: 0.501 ug/L

RT: 5.847 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 5687

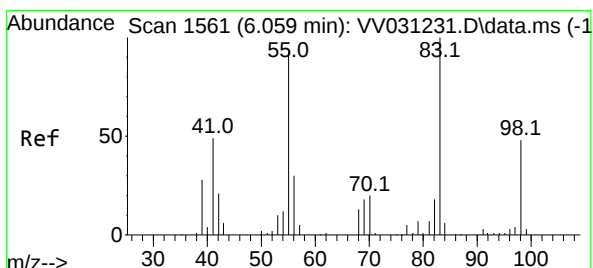
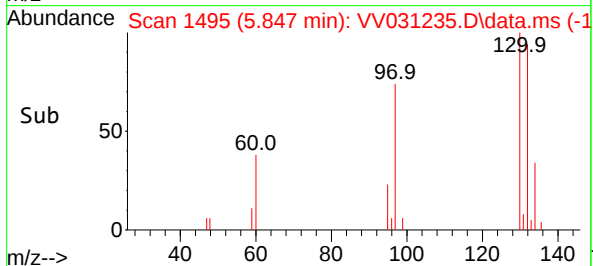
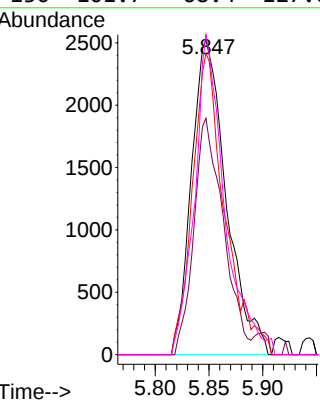
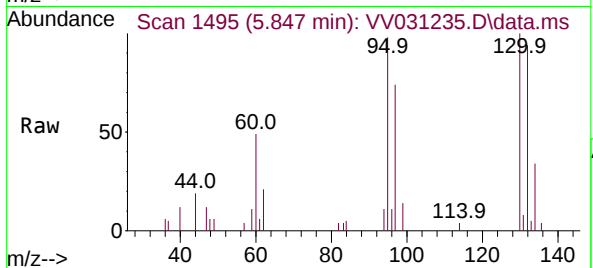
Ion Ratio Lower Upper

95 100

97 75.1 44.8 83.2

132 95.9 64.8 120.4

130 101.7 68.4 127.0



#35

Methylcyclohexane

Concen: 0.422 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

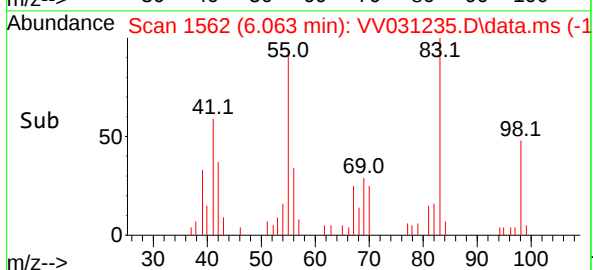
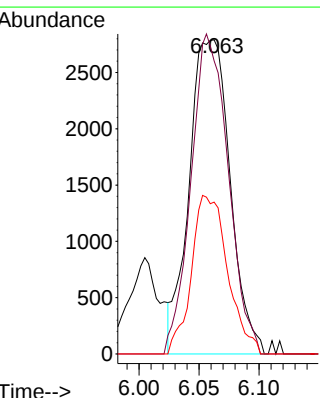
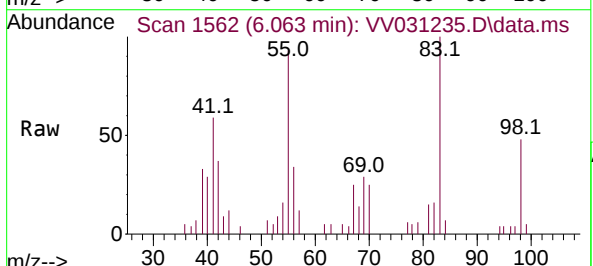
Tgt Ion: 83 Resp: 6628

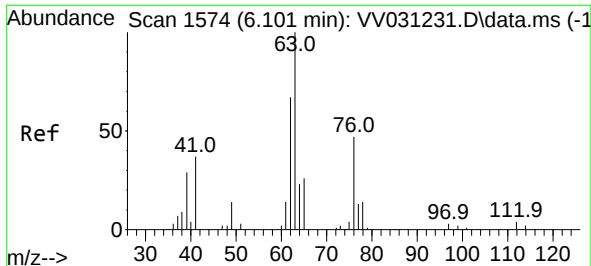
Ion Ratio Lower Upper

83 100

55 92.7 74.4 111.6

98 44.6 38.2 57.2





#37

1,2-Dichloropropane

Concen: 0.473 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

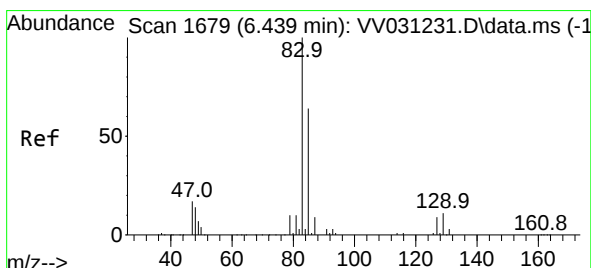
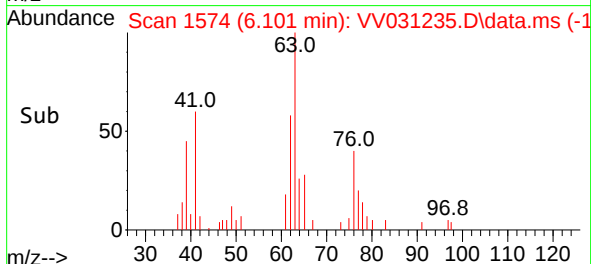
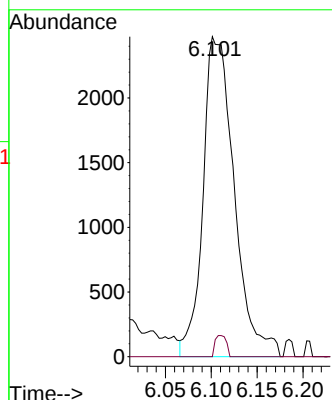
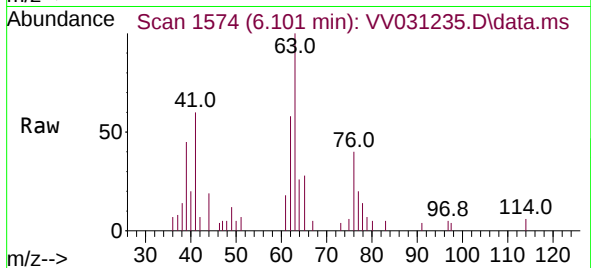
ClientSampleId :

Tgt Ion: 63 Resp: 5852

Ion Ratio Lower Upper

63 100

112 2.4 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.472 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

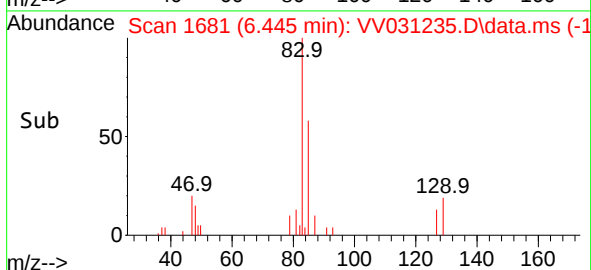
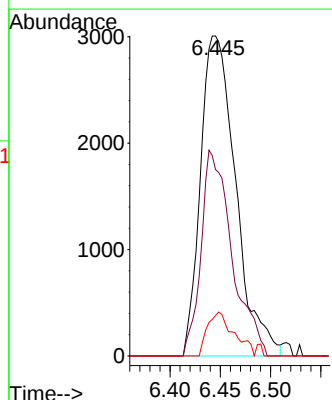
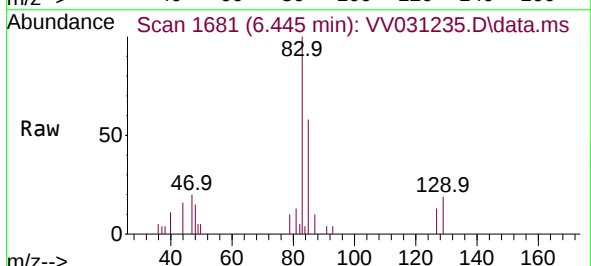
Tgt Ion: 83 Resp: 7322

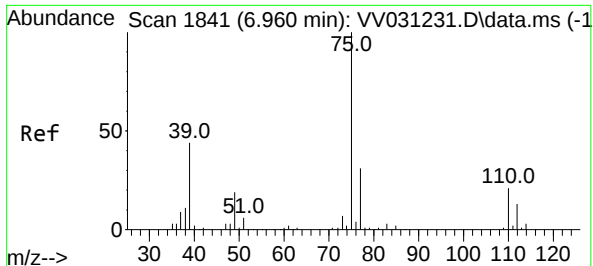
Ion Ratio Lower Upper

83 100

85 58.3 44.7 82.9

127 12.7 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 0.410 ug/L

RT: 6.972 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

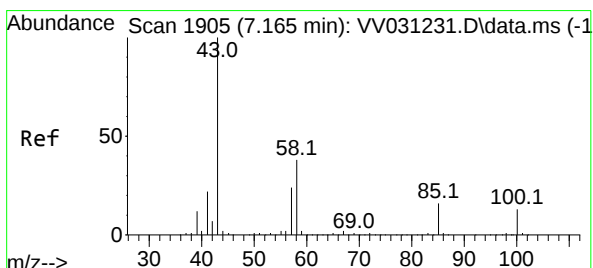
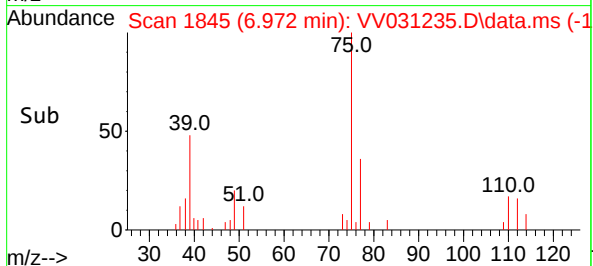
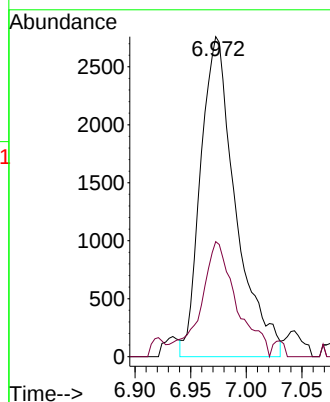
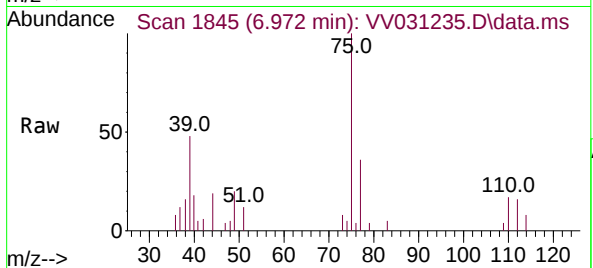
ClientSampleId :

Tgt Ion: 75 Resp: 6023

Ion Ratio Lower Upper

75 100

77 35.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 3.872 ug/L

RT: 7.175 min Scan# 1908

Delta R.T. 0.010 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

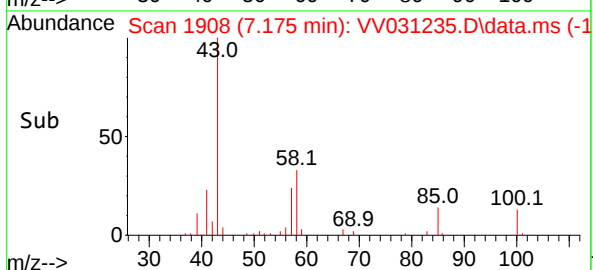
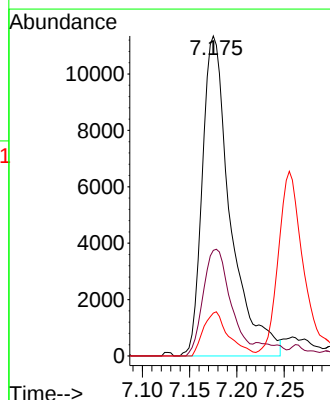
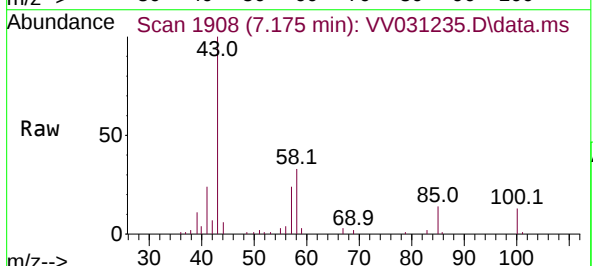
Tgt Ion: 43 Resp: 23491

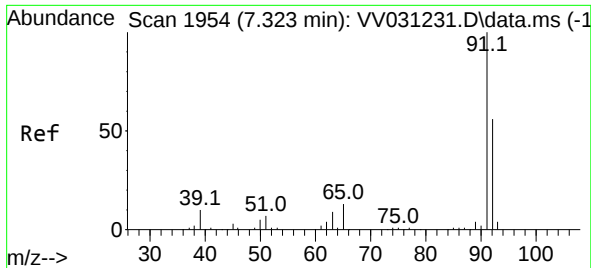
Ion Ratio Lower Upper

43 100

58 32.6 29.1 43.7

100 12.5 9.9 14.9

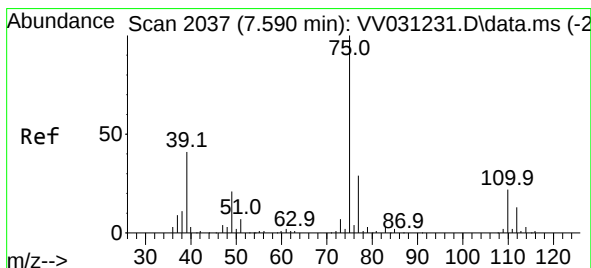
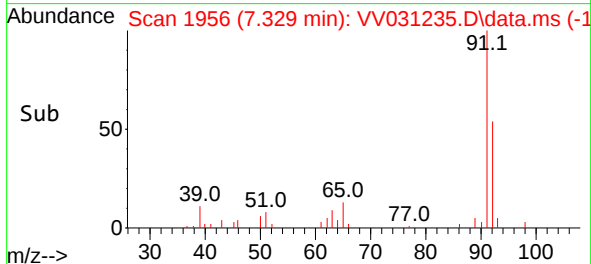
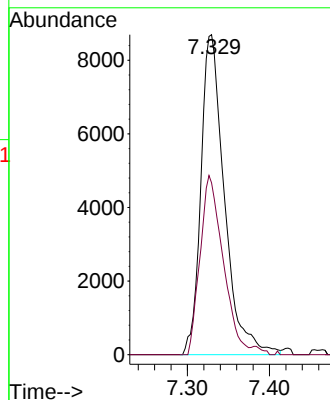
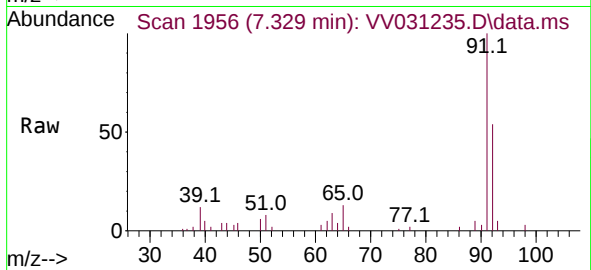




#42
Toluene
Concen: 0.418 ug/L
RT: 7.329 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

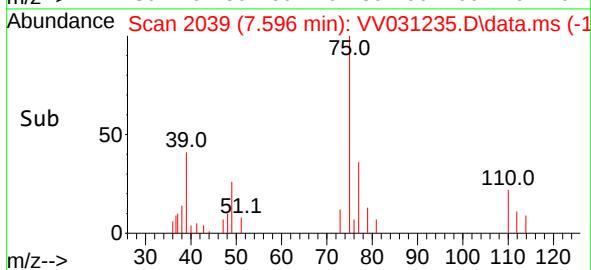
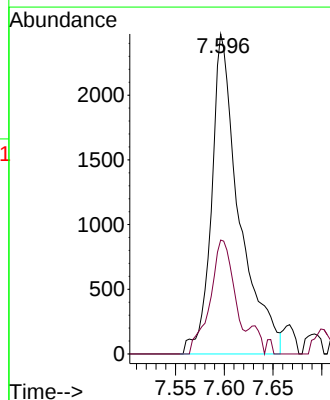
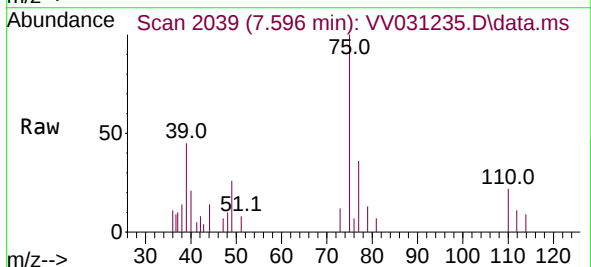
Instrument :
MSVOA_V
ClientSampleId :

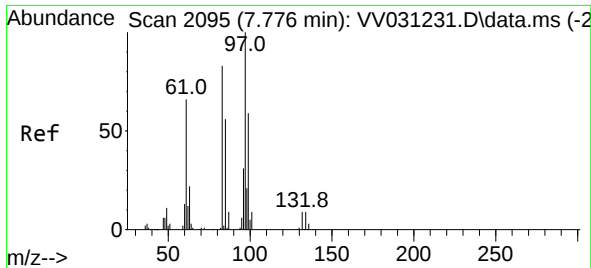
Tgt Ion: 91 Resp: 17353
Ion Ratio Lower Upper
91 100
92 53.7 39.4 73.2



#44
trans-1,3-Dichloropropene
Concen: 0.383 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 75 Resp: 4878
Ion Ratio Lower Upper
75 100
77 35.6 20.4 38.0

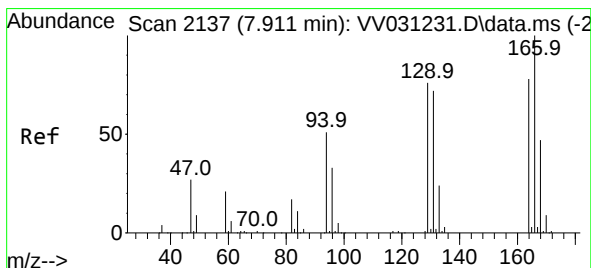
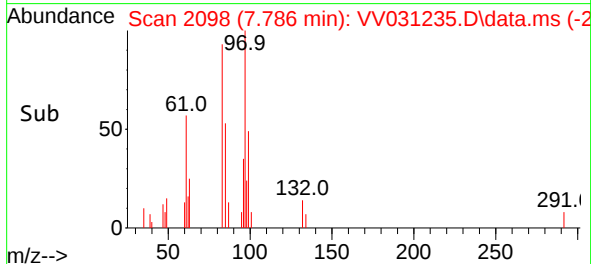
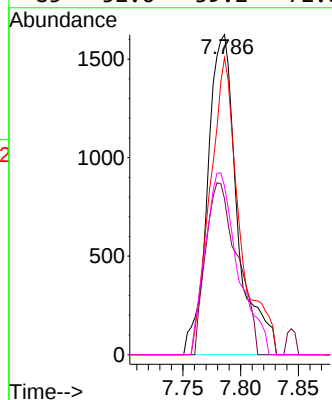
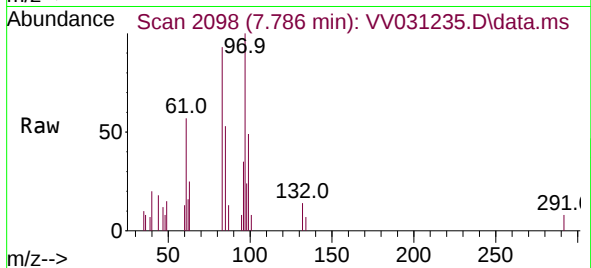




#45
1,1,2-Trichloroethane
Concen: 0.387 ug/L
RT: 7.786 min Scan# 2095
Delta R.T. 0.010 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

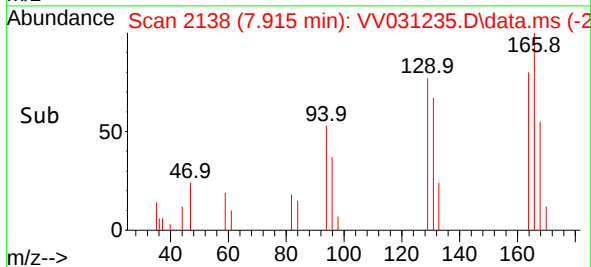
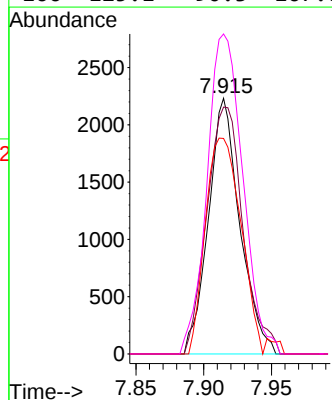
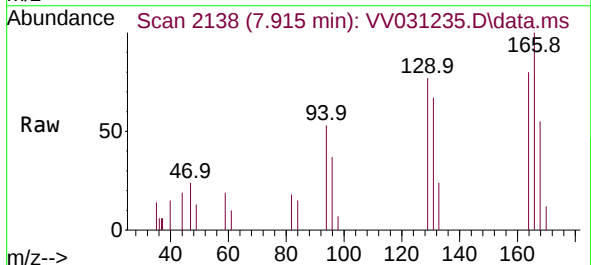
Instrument :
MSVOA_V
ClientSampleId :

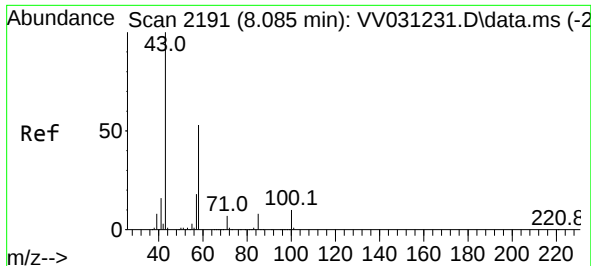
Tgt Ion: 97	Resp: 2901
Ion Ratio	Lower Upper
97 100	
99 48.7	41.2 76.4
83 92.8	58.2 108.0
85 52.6	39.2 72.8



#47
Tetrachloroethene
Concen: 0.437 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt	Ion:164	Resp:	3599
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.7	127.5
131	84.3	64.7	120.1
166	125.1	90.3	167.7

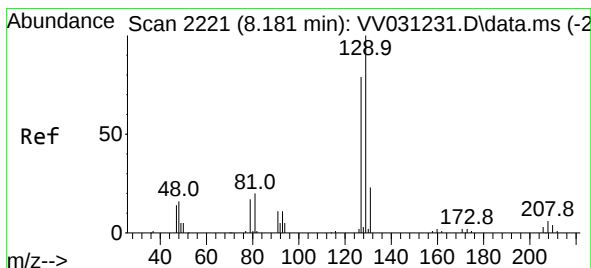
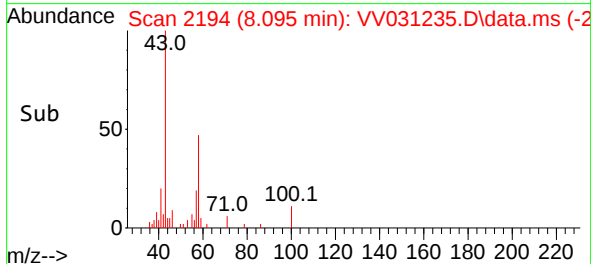
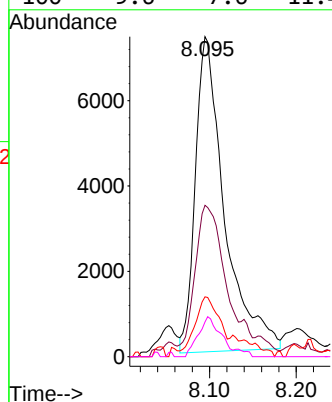
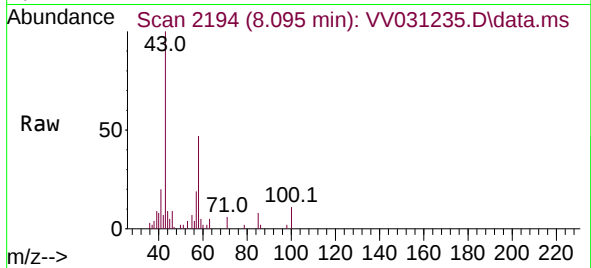




#48
2-Hexanone
Concen: 3.852 ug/L
RT: 8.095 min Scan# 2191
Delta R.T. 0.010 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

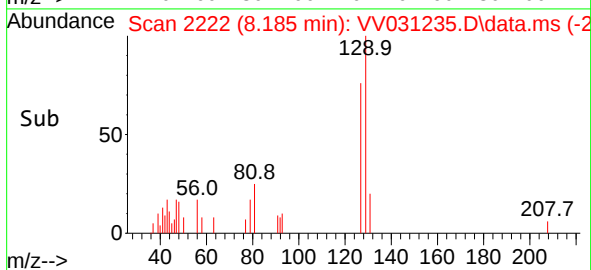
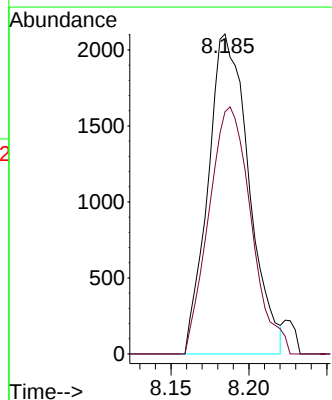
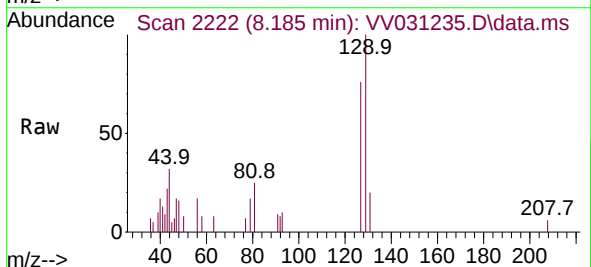
Instrument :
MSVOA_V
ClientSampleId :

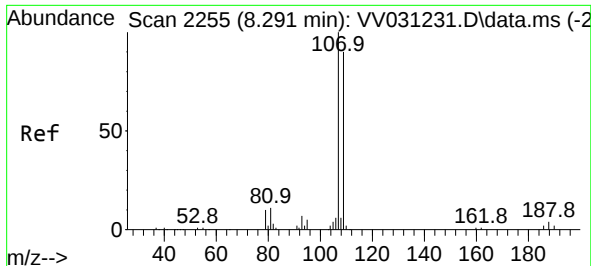
Tgt Ion: 43 Resp: 17227
Ion Ratio Lower Upper
43 100
58 46.5 41.4 62.0
57 13.6 14.1 21.1#
100 9.6 7.6 11.4



#49
Dibromochloromethane
Concen: 0.427 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 129 Resp: 3844
Ion Ratio Lower Upper
129 100
127 75.7 55.0 102.2





#50

1,2-Dibromoethane

Concen: 0.456 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

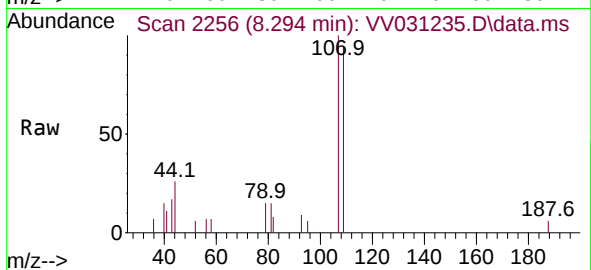
Lab File: VV031235.D

Acq: 25 May 2023 15:54

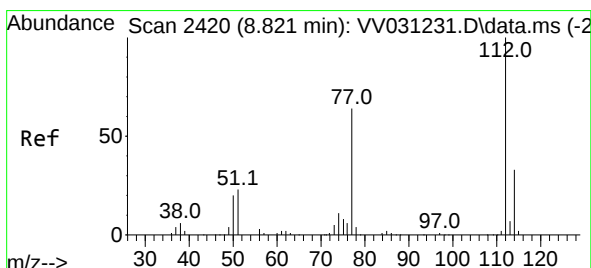
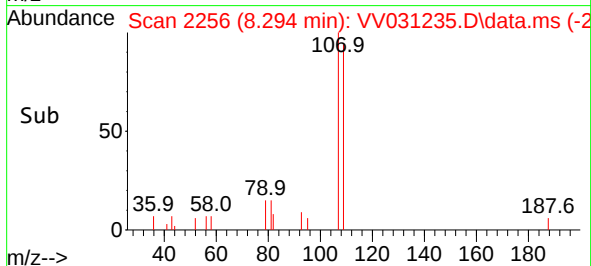
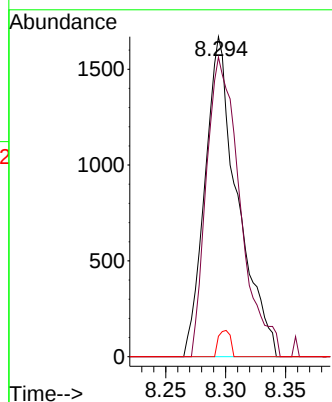
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	3156
Ion	Ratio	Lower	Upper
107	100		
109	93.6	62.8	116.6
188	6.4	3.2	4.8#



#51

Chlorobenzene

Concen: 0.443 ug/L

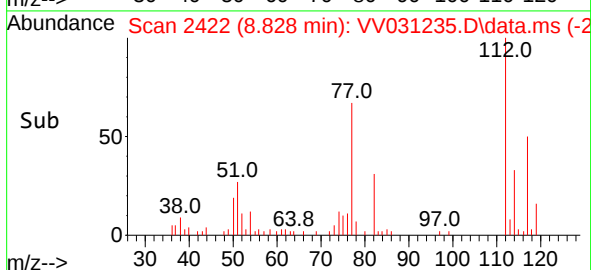
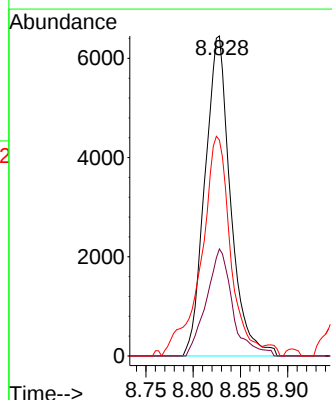
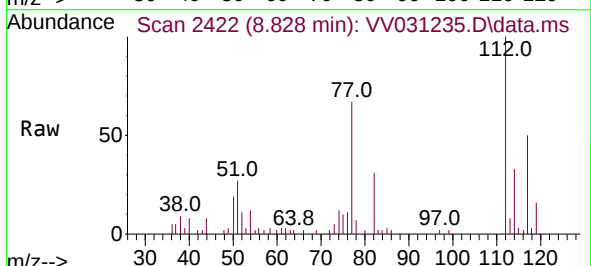
RT: 8.828 min Scan# 2422

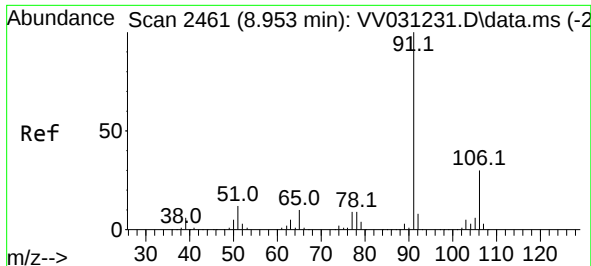
Delta R.T. 0.006 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Tgt Ion:	112	Resp:	12110
Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.8	42.4
77	67.5	51.7	77.5





#52

Ethylbenzene

Concen: 0.400 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

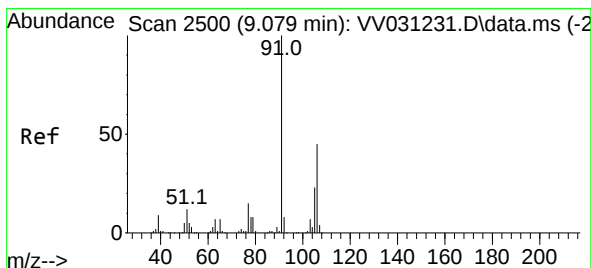
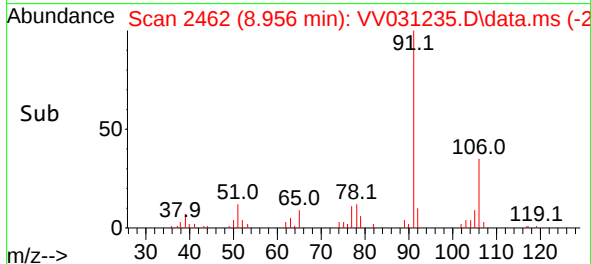
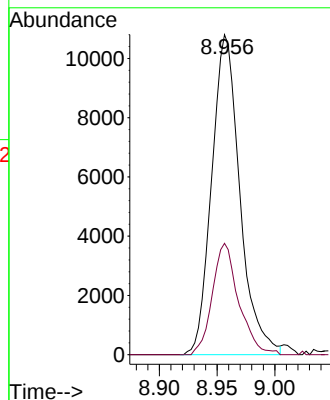
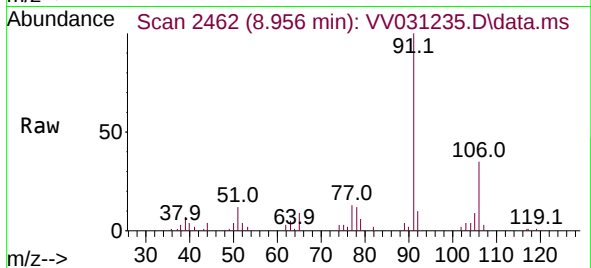
ClientSampleId :

Tgt Ion: 91 Resp: 18320

Ion Ratio Lower Upper

91 100

106 34.8 21.1 39.1



#53

m,p-Xylene

Concen: 0.418 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.006 min

Lab File: VV031235.D

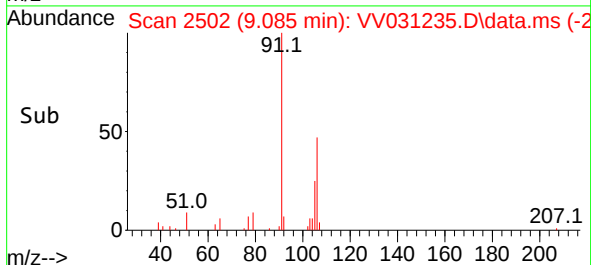
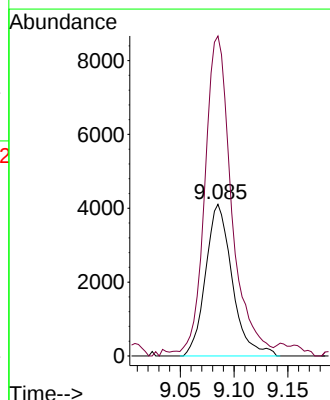
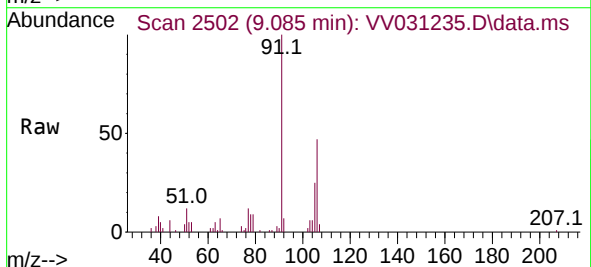
Acq: 25 May 2023 15:54

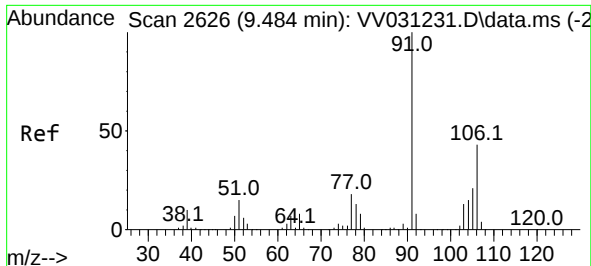
Tgt Ion: 106 Resp: 7070

Ion Ratio Lower Upper

106 100

91 211.0 154.7 287.3

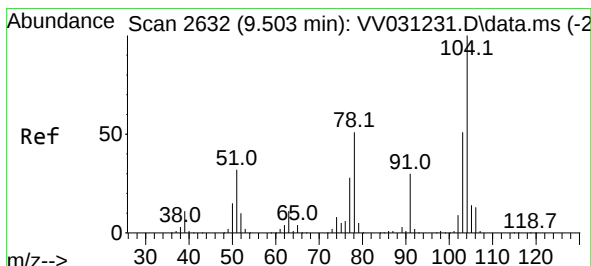
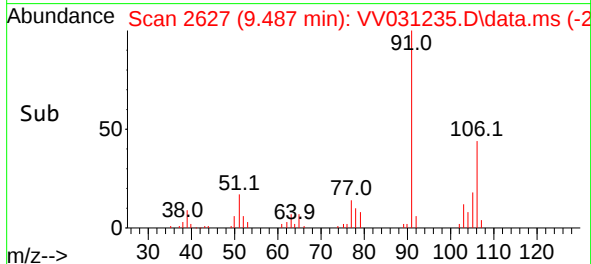
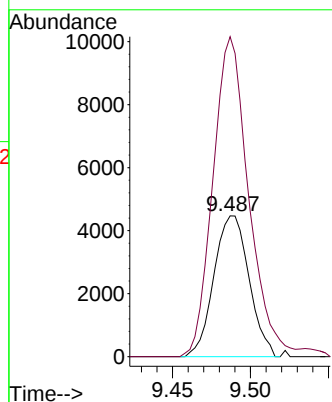
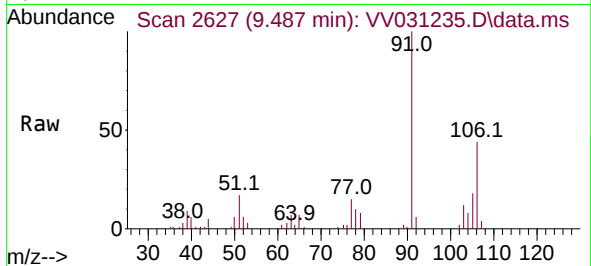




#54
o-Xylene
Concen: 0.435 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

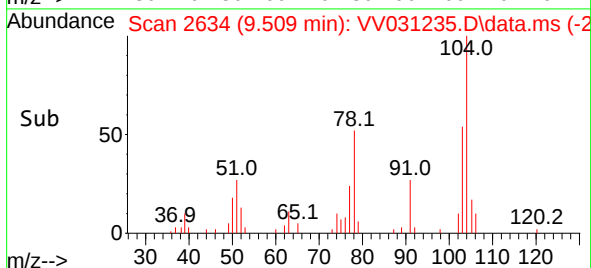
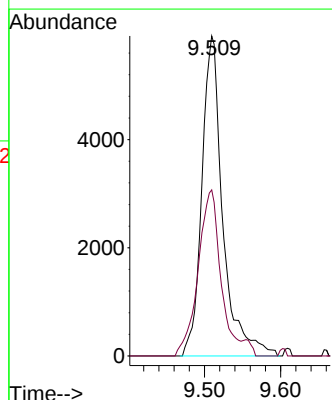
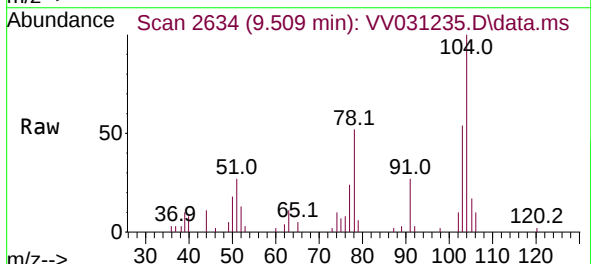
Instrument :
MSVOA_V
ClientSampleId :

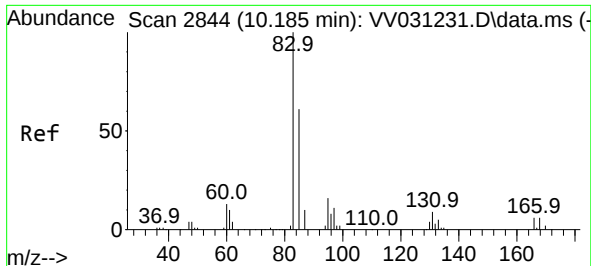
Tgt Ion:106 Resp: 7007
Ion Ratio Lower Upper
106 100
91 227.2 161.3 299.7



#55
Styrene
Concen: 0.398 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.006 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion:104 Resp: 11300
Ion Ratio Lower Upper
104 100
78 51.9 35.6 66.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.464 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

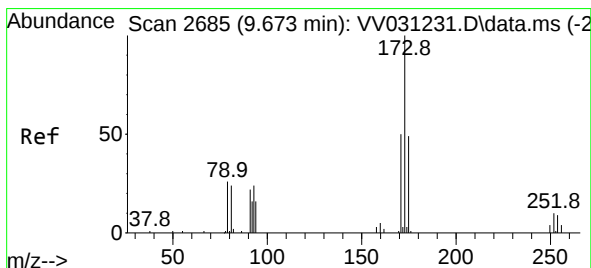
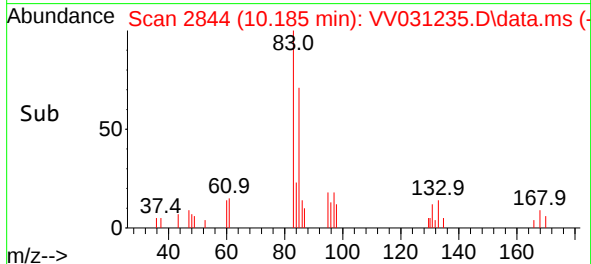
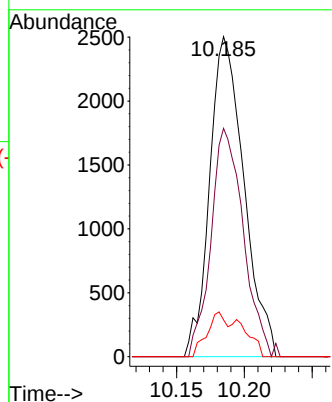
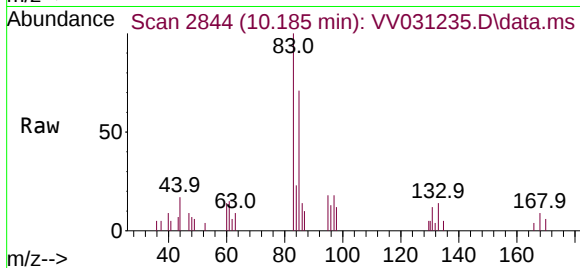
Tgt Ion: 83 Resp: 4391

Ion Ratio Lower Upper

83 100

85 71.4 43.0 80.0

131 11.5 7.6 11.4#



#59

Bromoform

Concen: 0.453 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

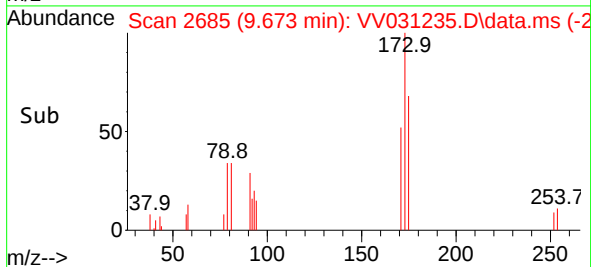
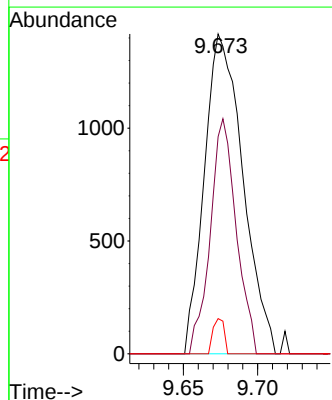
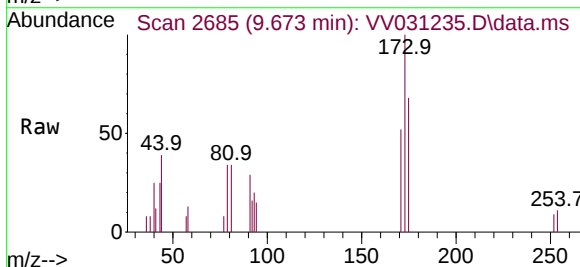
Tgt Ion: 173 Resp: 2554

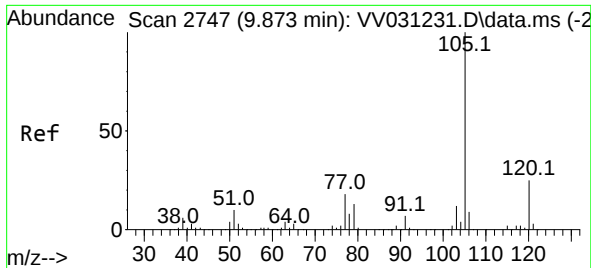
Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

254 3.2 7.9 11.9#

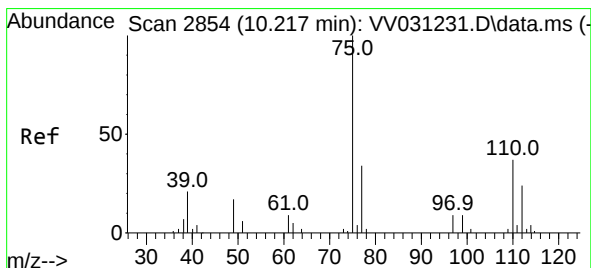
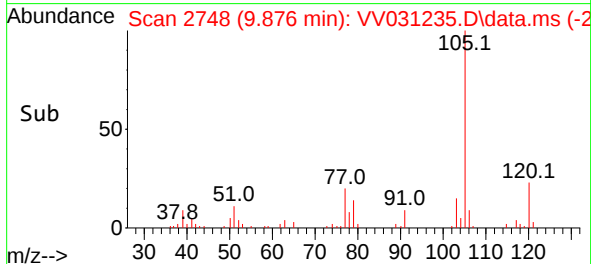
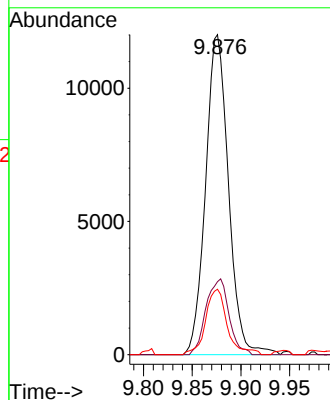
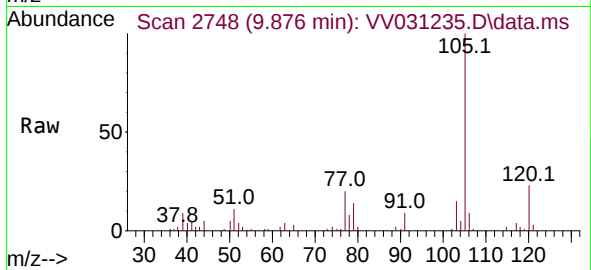




#60
Isopropylbenzene
Concen: 0.387 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

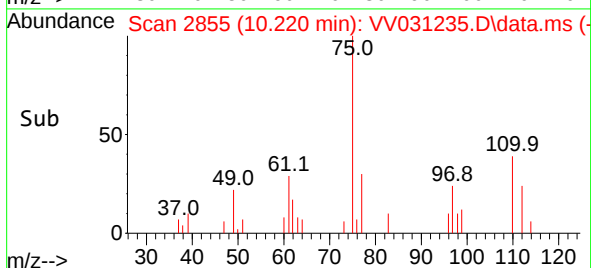
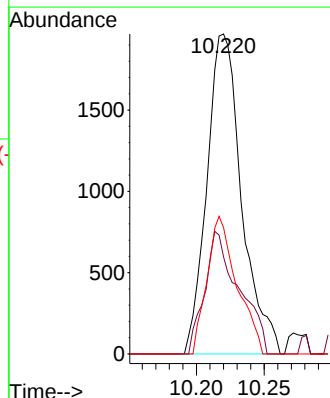
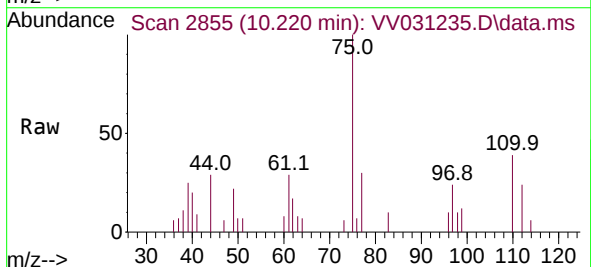
Instrument :
MSVOA_V
ClientSampleId :

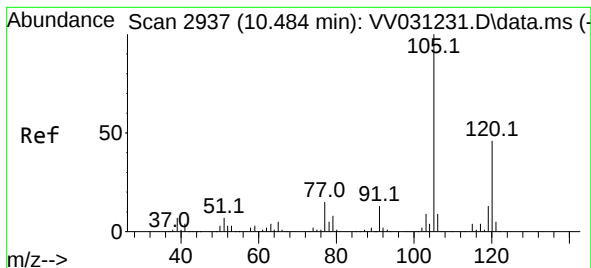
Tgt Ion:105 Resp: 19641
Ion Ratio Lower Upper
105 100
120 23.7 19.9 29.9
77 19.3 13.9 20.9



#61
1,2,3-Trichloropropane
Concen: 0.461 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 75 Resp: 3503
Ion Ratio Lower Upper
75 100
77 37.9 26.6 40.0
110 36.7 29.8 44.8





#62

1,3,5-Trimethylbenzene

Concen: 0.382 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

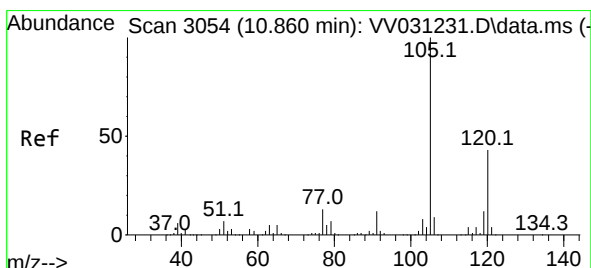
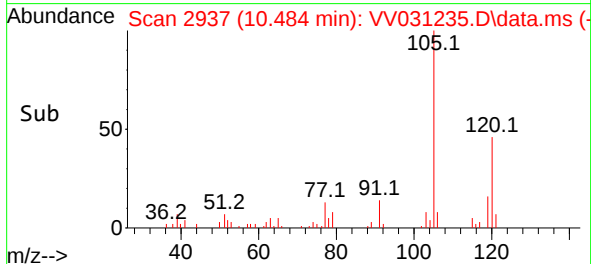
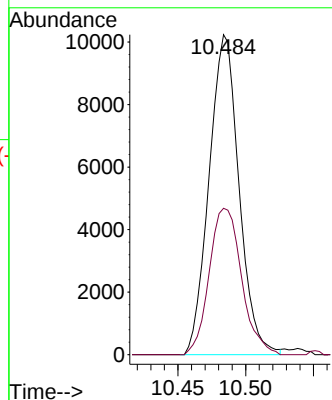
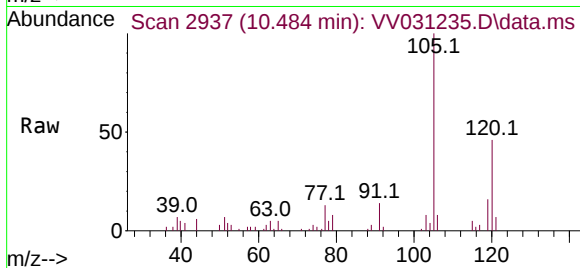
ClientSampleId :

Tgt Ion:105 Resp: 15728

Ion Ratio Lower Upper

105 100

120 49.4 36.6 55.0



#63

1,2,4-Trimethylbenzene

Concen: 0.369 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV031235.D

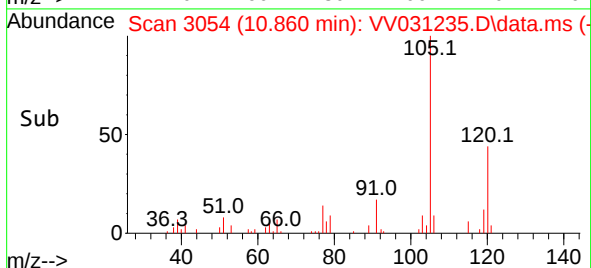
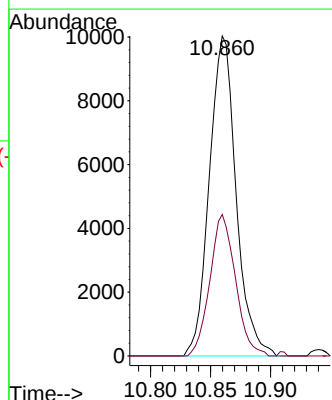
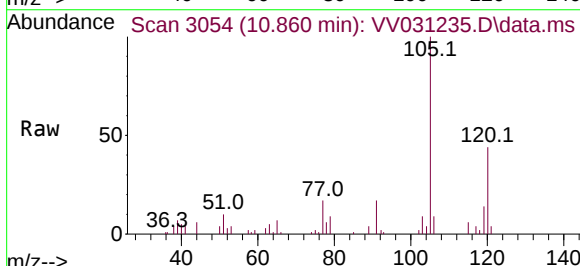
Acq: 25 May 2023 15:54

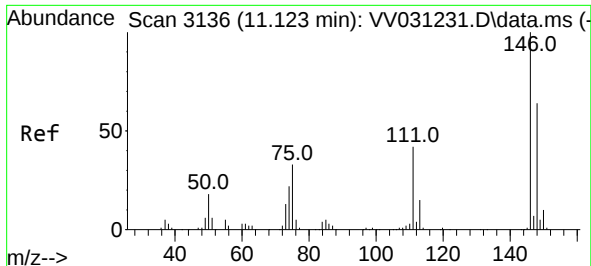
Tgt Ion:105 Resp: 15545

Ion Ratio Lower Upper

105 100

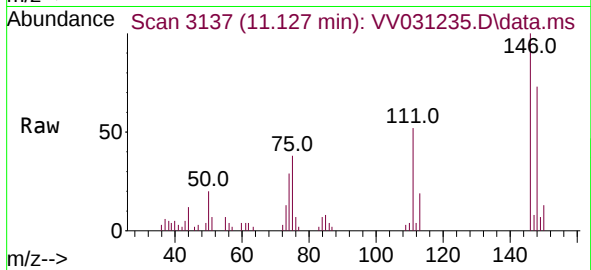
120 42.3 34.4 51.6



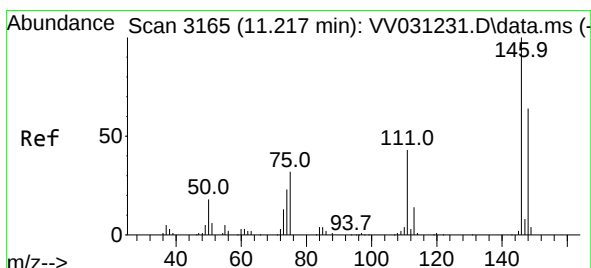
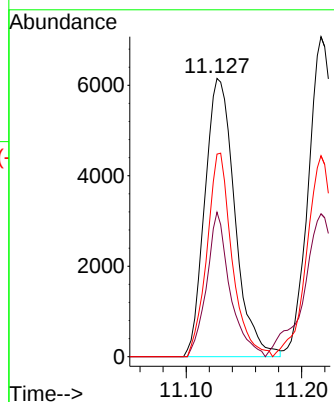
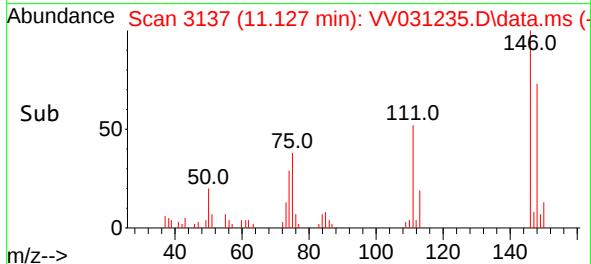


#64
1,3-Dichlorobenzene
Concen: 0.463 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

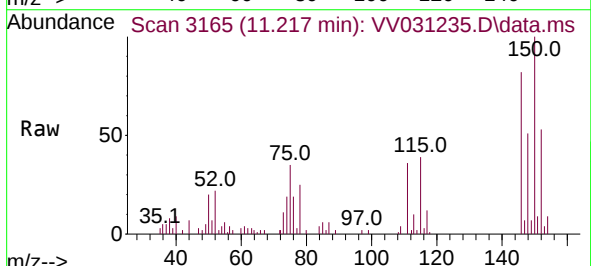
Instrument :
MSVOA_V
ClientSampleId :



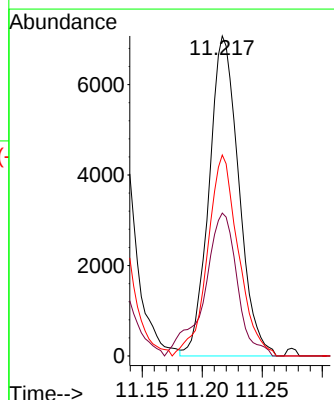
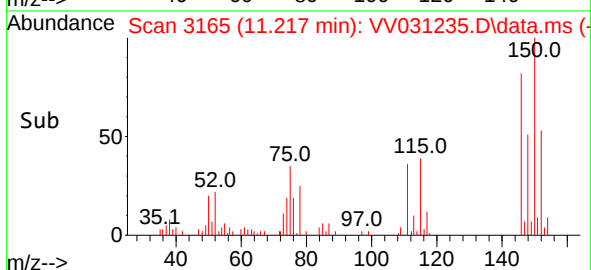
Tgt Ion:146 Resp: 11111
Ion Ratio Lower Upper
146 100
111 51.9 29.5 54.9
148 72.8 44.6 82.8

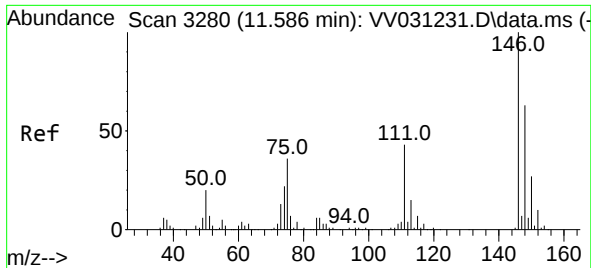


#65
1,4-Dichlorobenzene
Concen: 0.496 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54



Tgt Ion:146 Resp: 12182
Ion Ratio Lower Upper
146 100
111 44.6 30.4 56.5
148 62.8 44.9 83.3

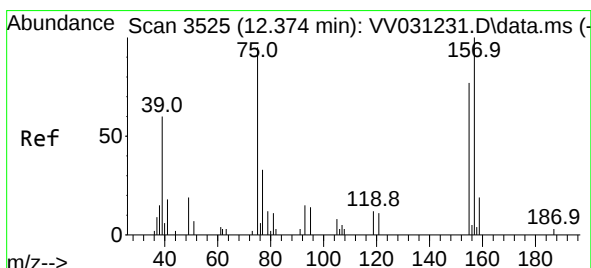
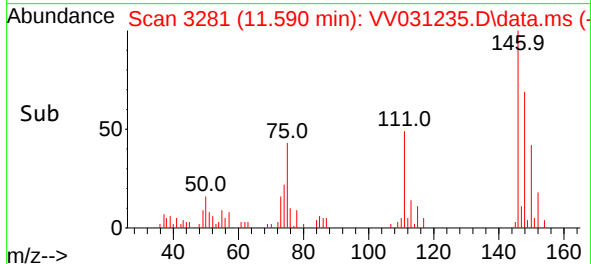
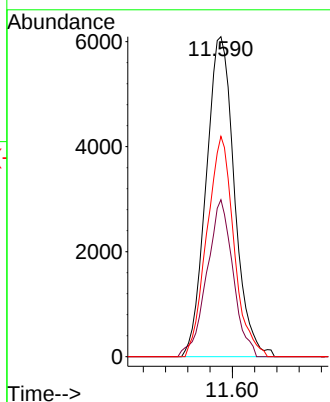
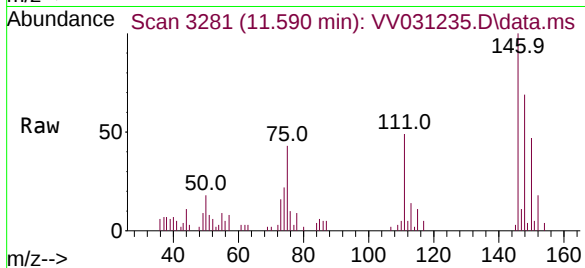




#67
1,2-Dichlorobenzene
Concen: 0.467 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

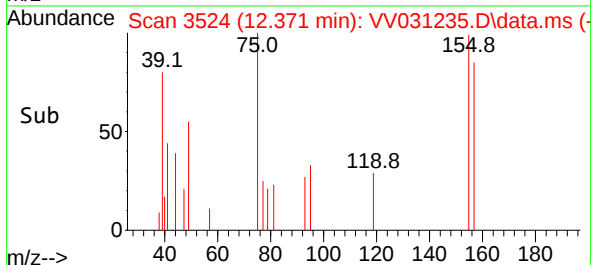
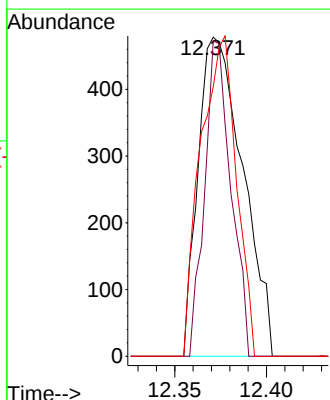
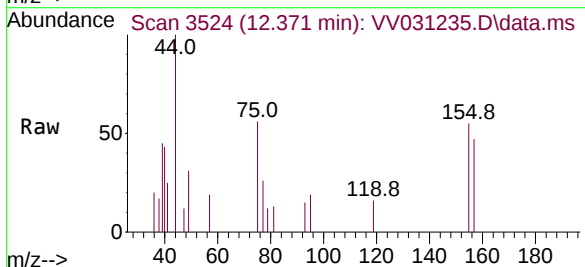
Instrument :
MSVOA_V
ClientSampleId :

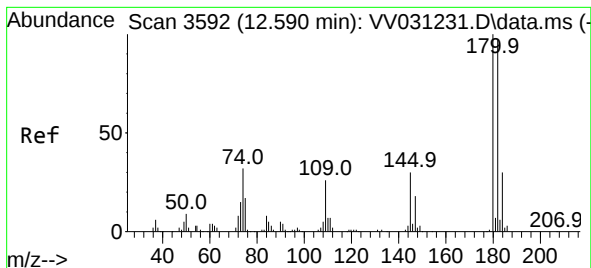
Tgt Ion:146 Resp: 10750
Ion Ratio Lower Upper
146 100
111 49.0 34.3 51.5
148 68.8 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.504 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV031235.D
Acq: 25 May 2023 15:54

Tgt Ion: 75 Resp: 808
Ion Ratio Lower Upper
75 100
155 99.0 64.6 96.8#
157 84.5 84.1 126.1





#69

1,3,5-Trichlorobenzene

Concen: 0.503 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

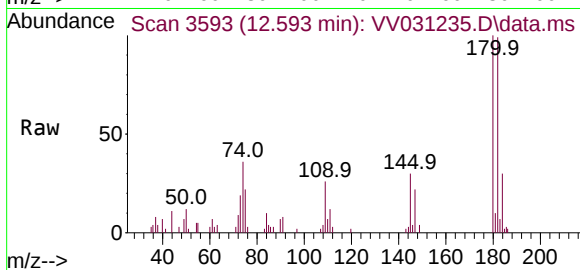
Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 9805

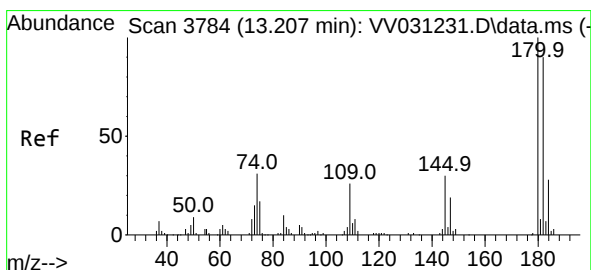
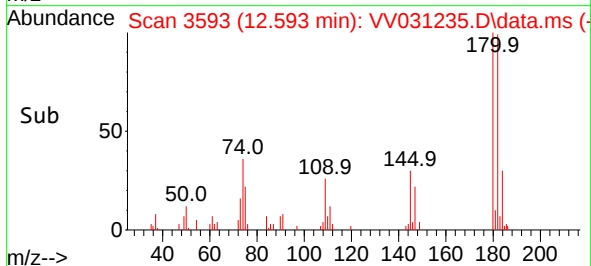
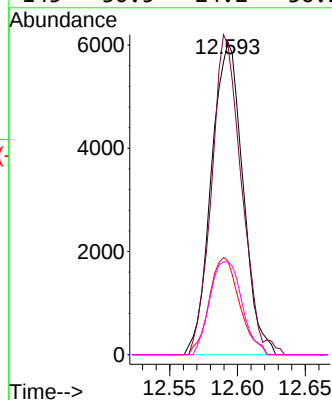
Ion Ratio Lower Upper

180 100

182 96.8 76.6 114.8

184 29.9 24.9 37.3

145 30.5 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 0.529 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

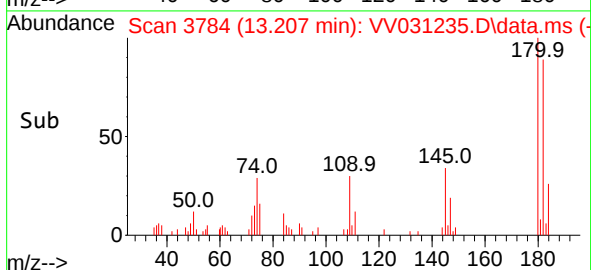
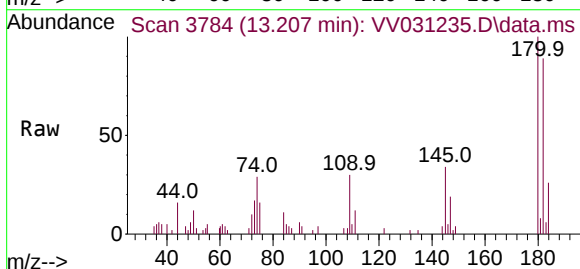
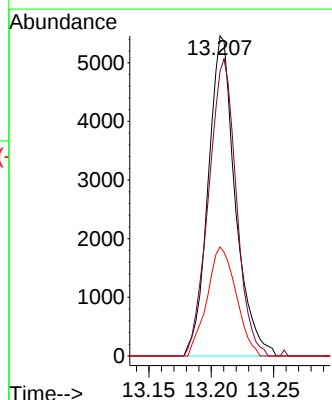
Tgt Ion:180 Resp: 8255

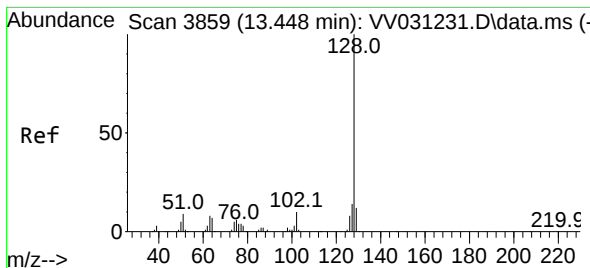
Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 36.5 24.1 36.1#





#71

Naphthalene

Concen: 0.725 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Instrument :

MSVOA_V

ClientSampleId :

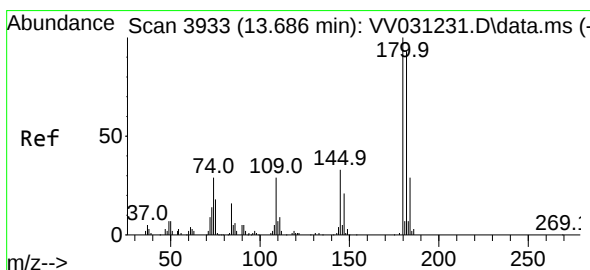
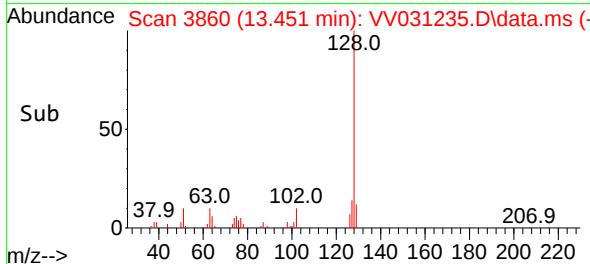
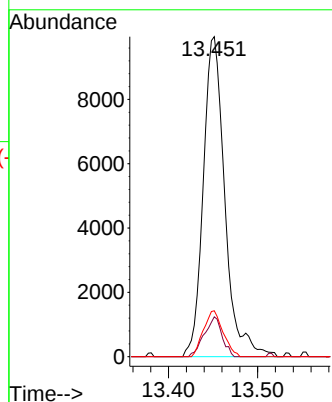
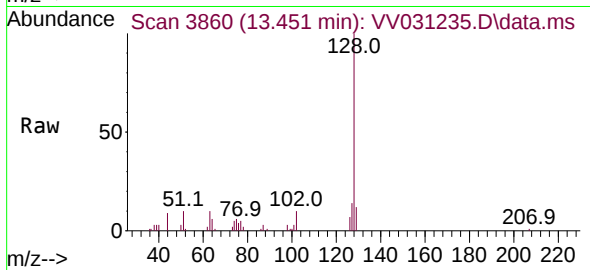
Tgt Ion:128 Resp: 16724

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.6

127 13.0 11.5 17.3



#72

1,2,3-Trichlorobenzene

Concen: 0.518 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031235.D

Acq: 25 May 2023 15:54

Tgt Ion:180 Resp: 6950

Ion Ratio Lower Upper

180 100

182 103.9 77.6 116.4

145 40.8 26.9 40.3#

