

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
 Data File : VV035885.D
 Acq On : 30 May 2024 11:07
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 00:41:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:31:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	537987	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	531656	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	285138	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	201080	20.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.320%
7) Chloroethane-d5	1.529	69	155170	19.675	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.720%
11) 1,1-Dichloroethene-d2	2.053	65	86107	19.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.240%
21) 2-Butanone-d5	3.847	46	27733	12.221	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.440%
24) Chloroform-d	4.243	84	328827	19.225	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.920%
26) 1,2-Dichloroethane-d4	4.937	65	171506	19.125	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.520%
32) Benzene-d6	4.953	84	660402	20.897	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	5.985	67	200610	20.158	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.640%
41) Toluene-d8	7.239	98	606340	21.745	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.960%
43) trans-1,3-Dichloroprop...	7.551	79	85488	20.950	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.800%
47) 2-Hexanone-d5	8.030	63	60994	45.235	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.480%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	136680	18.379	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.520%
66) 1,2-Dichlorobenzene-d4	11.557	152	215136	20.575	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.104	85	202393	20.864	ug/L	99
3) Chloromethane	1.214	50	234917	21.102	ug/L	99
5) Vinyl chloride	1.278	62	251786	21.484	ug/L	100
6) Bromomethane	1.484	94	157243	21.627	ug/L	99
8) Chloroethane	1.545	64	154254	21.175	ug/L	99
9) Trichlorofluoromethane	1.709	101	305892	21.017	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	191336	20.714	ug/L	99
12) 1,1-Dichloroethene	2.063	96	175580	20.381	ug/L	92
14) Carbon disulfide	2.233	76	621243	20.766	ug/L	99
15) Methyl Acetate	2.387	43	86994	19.799	ug/L	98
16) Methylene chloride	2.442	84	229784	18.876	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	199126	21.759	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	471956	22.972	ug/L	99
19) 1,1-Dichloroethane	3.104	63	373930	21.456	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	207069	22.518	ug/L	100
22) 2-Butanone	3.915	43	126480	42.167	ug/L	# 79
23) Bromochloromethane	4.143	128	100127	21.707	ug/L	98
25) Chloroform	4.272	83	379450	21.166	ug/L	100
27) 1,2-Dichloroethane	5.037	62	244948	21.885	ug/L	99

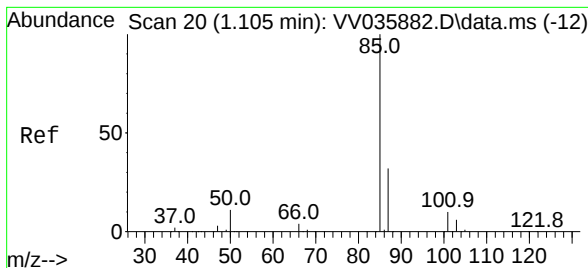
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:31:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	306226	24.191	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	317298	21.830	ug/L	99
31) Carbon tetrachloride	4.728	117	279890	21.950	ug/L	100
33) Benzene	5.005	78	800601	23.024	ug/L	100
34) Trichloroethene	5.828	95	247334	23.208	ug/L	99
35) Methylcyclohexane	6.046	83	349709	23.729	ug/L	99
37) 1,2-Dichloropropane	6.088	63	211266	23.139	ug/L	99
38) Bromodichloromethane	6.429	83	270370	22.373	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	324347	23.751	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	246741	49.740	ug/L	98
42) Toluene	7.310	91	854050	24.037	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	285116	24.172	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	167062	22.114	ug/L	98
46) Tetrachloroethene	7.902	164	174153	22.344	ug/L	98
48) 2-Hexanone	8.078	43	210684	54.327	ug/L	98
49) Dibromochloromethane	8.172	129	186207	22.521	ug/L	99
50) 1,2-Dibromoethane	8.281	107	166526	22.973	ug/L	100
51) Chlorobenzene	8.808	112	554408	22.901	ug/L	100
52) Ethylbenzene	8.943	91	926144	24.363	ug/L	100
53) m,p-Xylene	9.069	106	346111	24.231	ug/L	100
54) o-Xylene	9.474	106	328432	24.382	ug/L	98
55) Styrene	9.493	104	596646	25.118	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	138183	20.428	ug/L	98
59) Bromoform	9.664	173	121554	22.605	ug/L	98
60) Isopropylbenzene	9.863	105	906943	24.792	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	155128	23.003	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	661230	24.927	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	730280	25.552	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	455917	23.732	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	467611	23.582	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	424950	23.506	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35458	23.513	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	340615	23.703	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	288574	25.504	ug/L	100
71) Naphthalene	13.435	128	576109	31.200	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	271399	26.285	ug/L	98

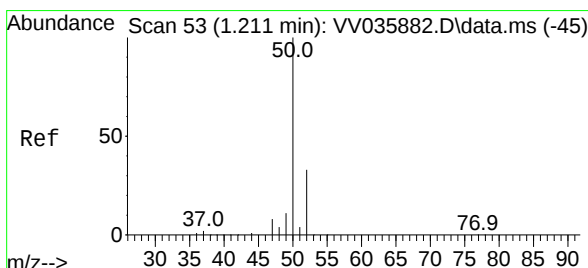
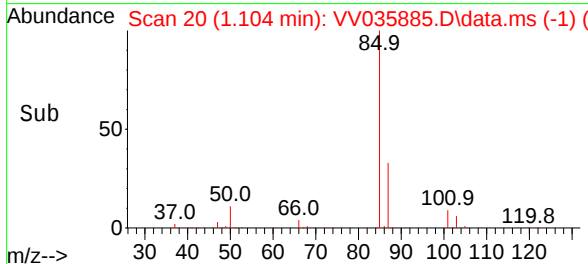
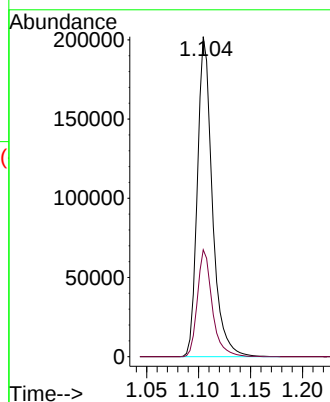
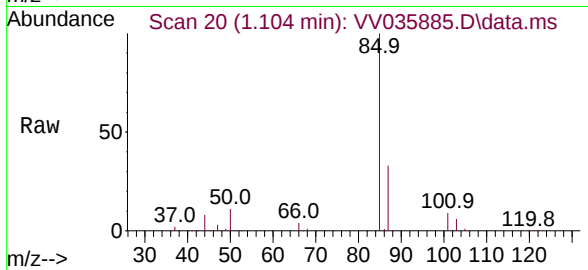
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 20.864 ug/L
 RT: 1.104 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035885.D
 Acq: 30 May 2024 11:07

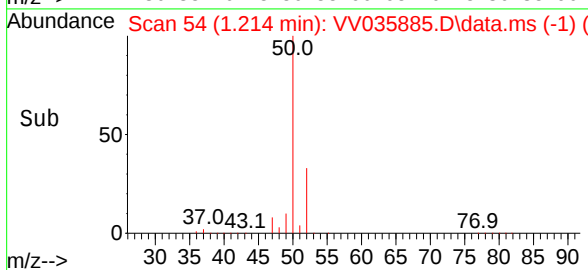
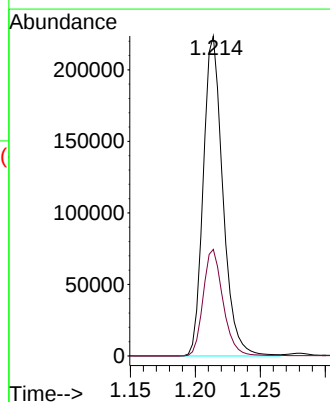
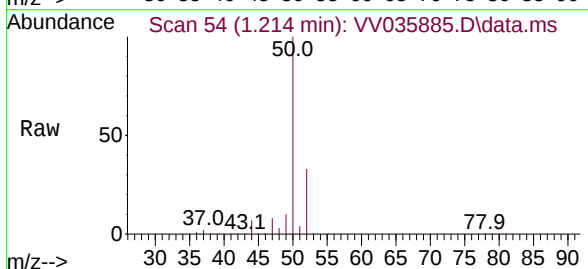
Instrument :
 MSVOA_V
 ClientSampleId :

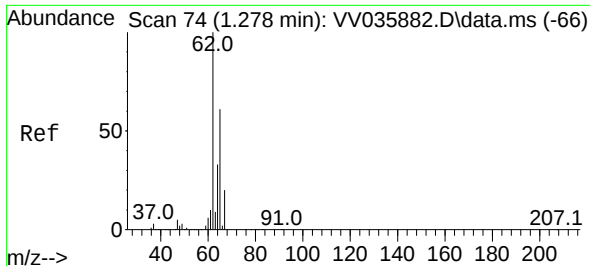
Tgt Ion: 85 Resp: 202393
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.9 38.9



#3
 Chloromethane
 Concen: 21.102 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV035885.D
 Acq: 30 May 2024 11:07

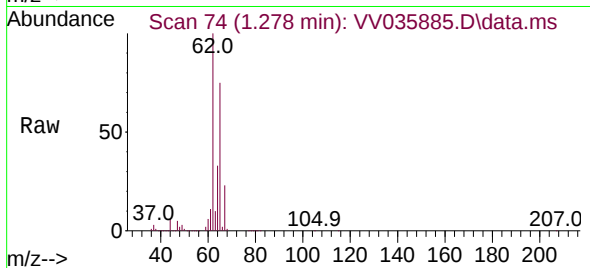
Tgt Ion: 50 Resp: 234917
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4



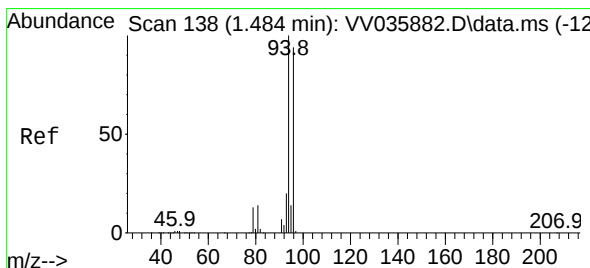
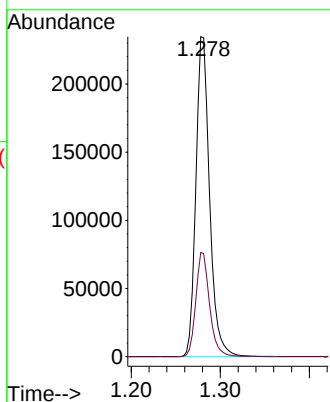
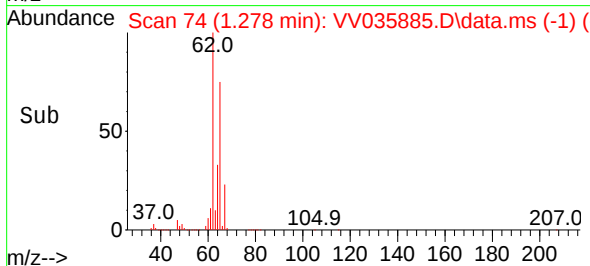


#5
 Vinyl chloride
 Concen: 21.484 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV035885.D
 Acq: 30 May 2024 11:07

Instrument :
 MSVOA_V
 ClientSampleId :

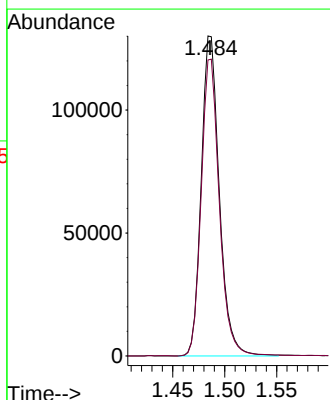
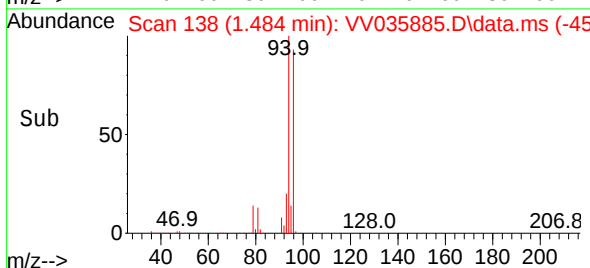
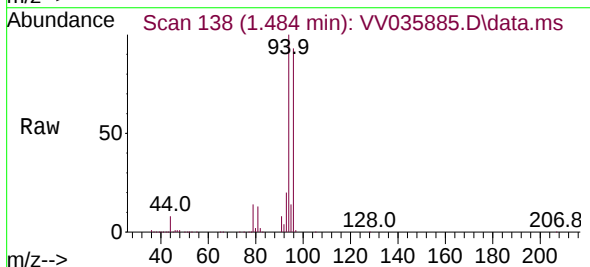


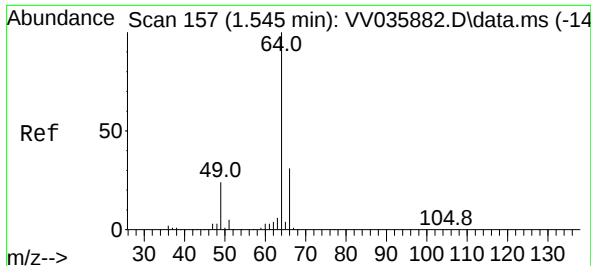
Tgt Ion: 62 Resp: 251786
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 21.627 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035885.D
 Acq: 30 May 2024 11:07

Tgt Ion: 94 Resp: 157243
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.7 122.1

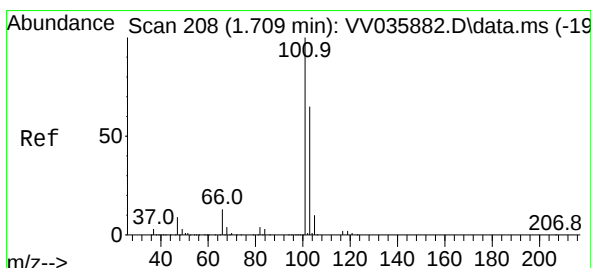
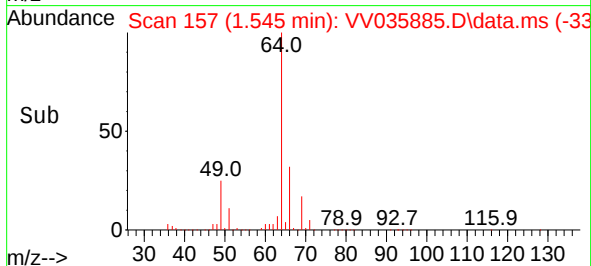
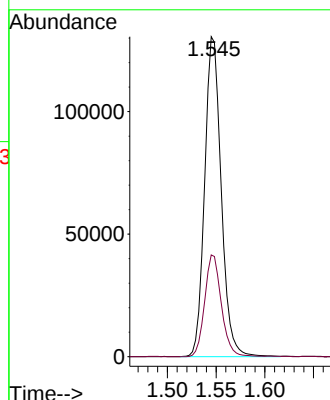
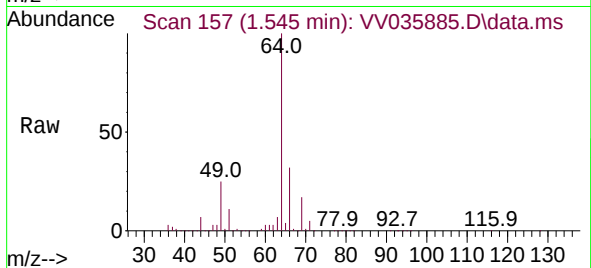




#8
Chloroethane
Concen: 21.175 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

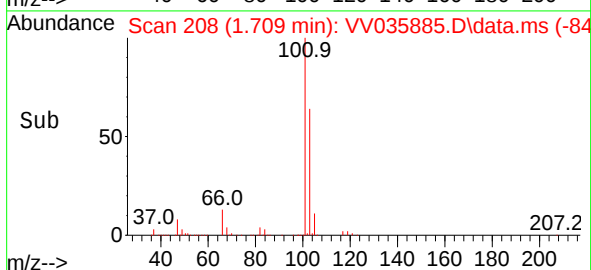
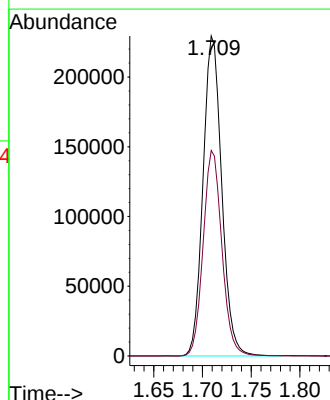
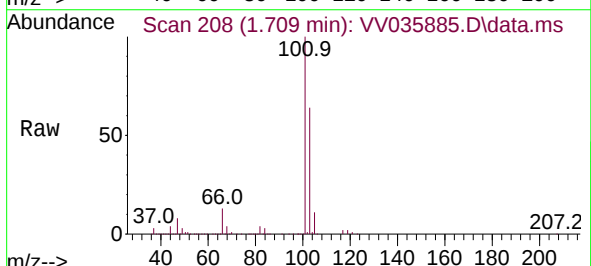
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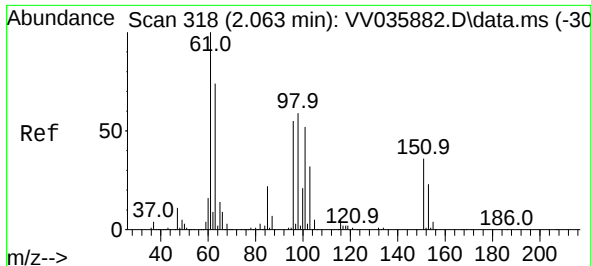
Tgt Ion: 64 Resp: 154254
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.017 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion:101 Resp: 305892
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8

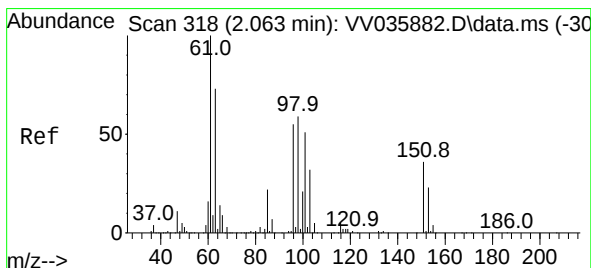
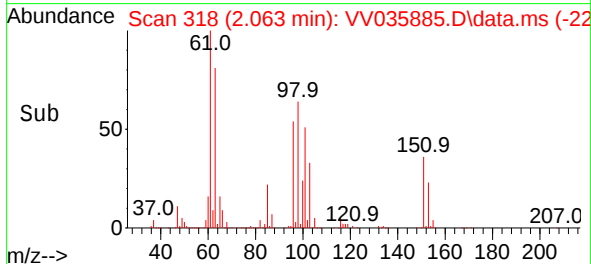
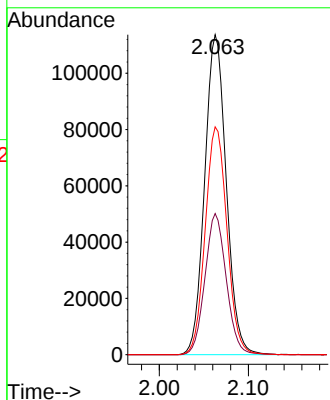
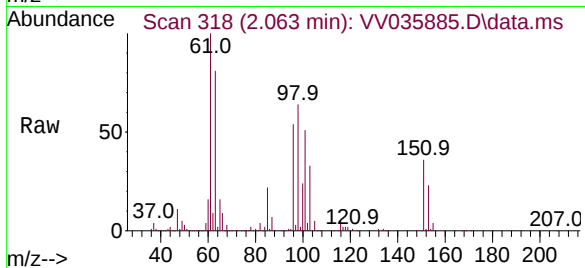




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 20.714 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

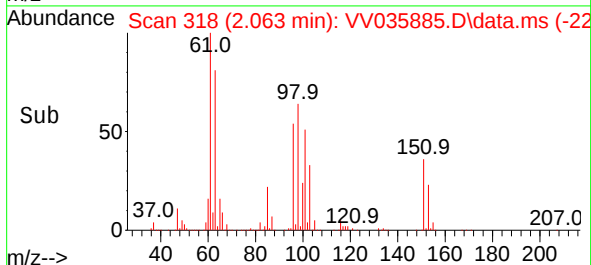
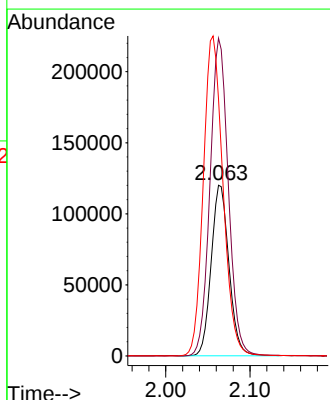
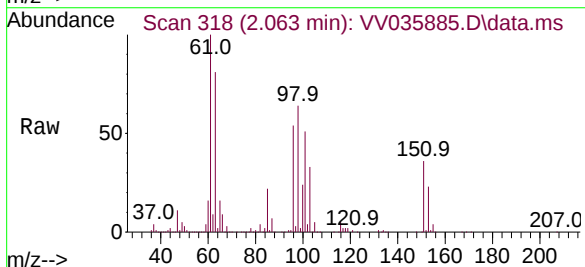
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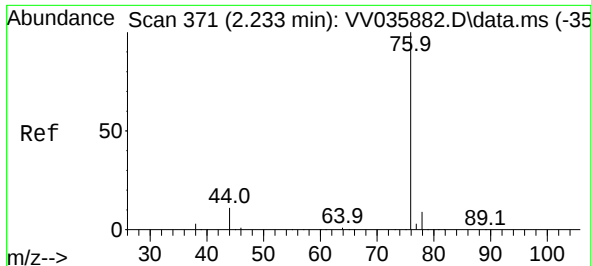
Tgt Ion:101 Resp: 191336
Ion Ratio Lower Upper
101 100
85 43.5 34.5 51.7
151 71.7 56.3 84.5



#12
1,1-Dichloroethene
Concen: 20.381 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 96 Resp: 175580
Ion Ratio Lower Upper
96 100
61 186.2 127.3 236.3
63 150.6 93.7 173.9





#14

Carbon disulfide

Concen: 20.766 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

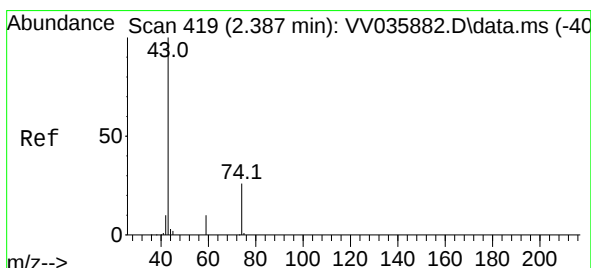
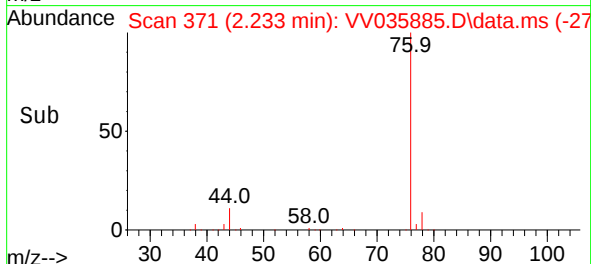
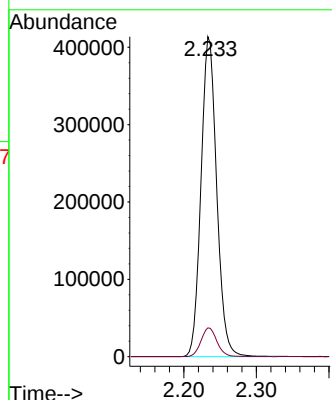
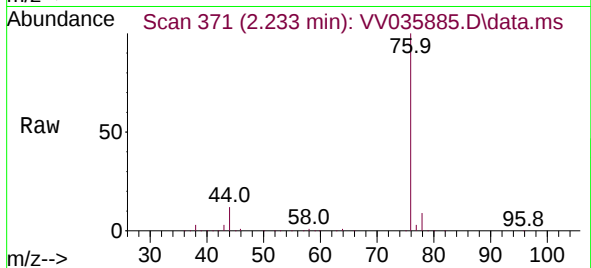
ClientSampleId :

Tgt Ion: 76 Resp: 621243

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



#15

Methyl Acetate

Concen: 19.799 ug/L

RT: 2.387 min Scan# 419

Delta R.T. -0.000 min

Lab File: VV035885.D

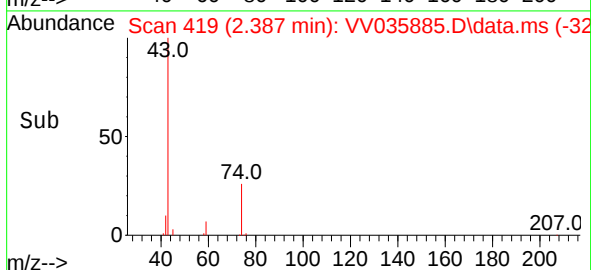
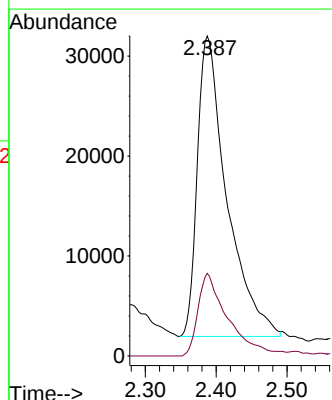
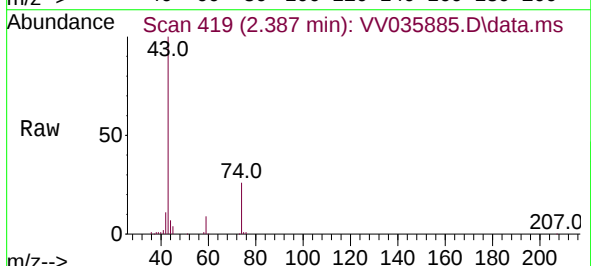
Acq: 30 May 2024 11:07

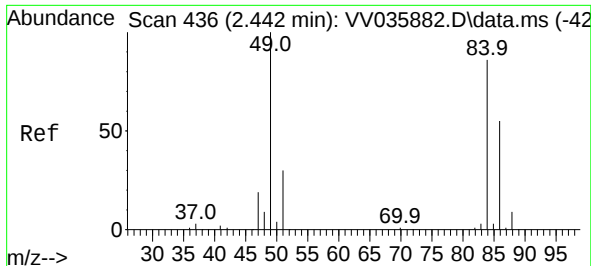
Tgt Ion: 43 Resp: 86994

Ion Ratio Lower Upper

43 100

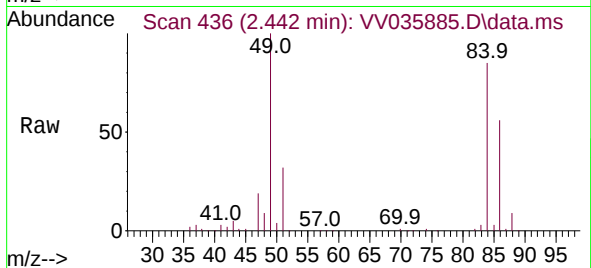
74 27.6 21.4 32.2



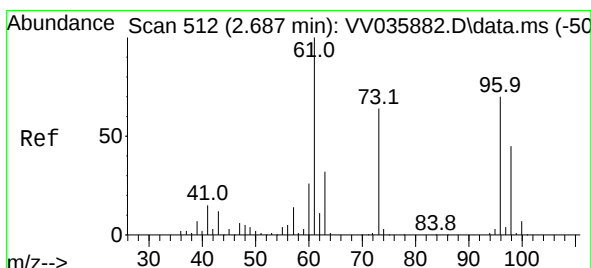
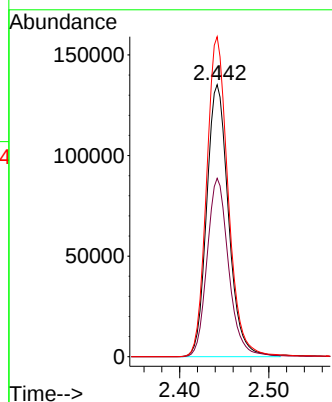
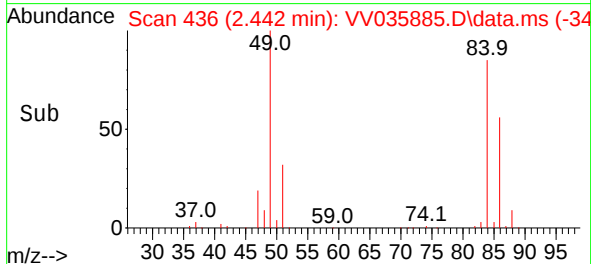


#16
Methylene chloride
Concen: 18.876 ug/L
RT: 2.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :

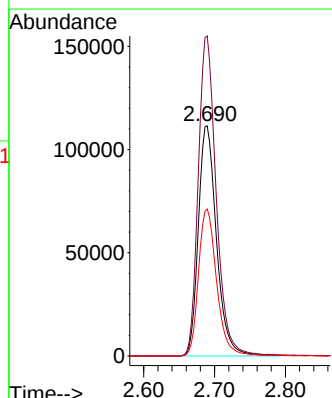
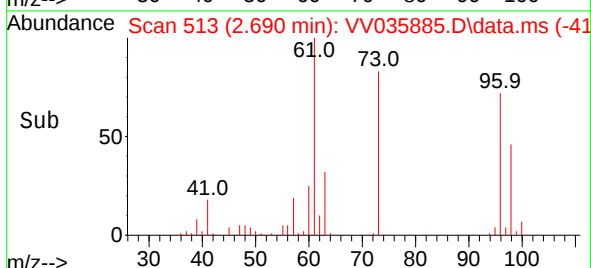
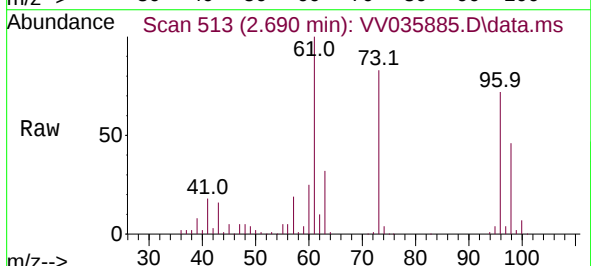


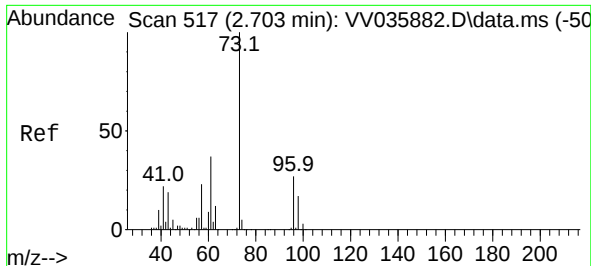
Tgt Ion: 84 Resp: 229784
Ion Ratio Lower Upper
84 100
86 65.6 44.6 82.8
49 117.7 81.1 150.5



#17
trans-1,2-Dichloroethene
Concen: 21.759 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 96 Resp: 199126
Ion Ratio Lower Upper
96 100
61 139.1 99.4 184.6
98 63.9 44.9 83.3





#18

Methyl tert-butyl Ether

Concen: 22.972 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

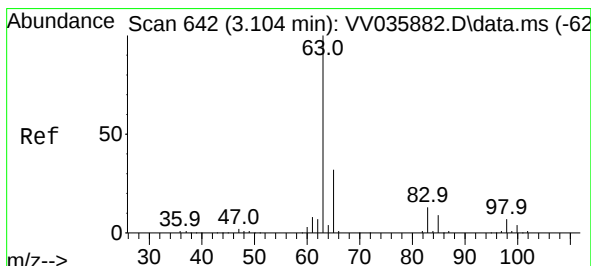
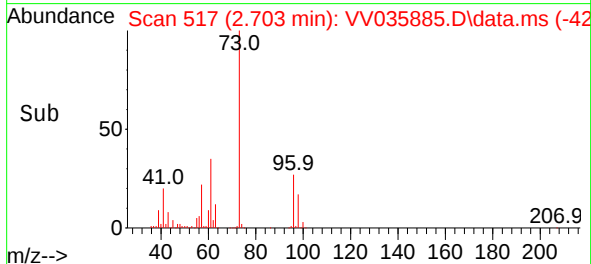
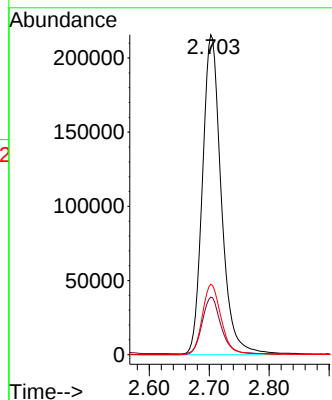
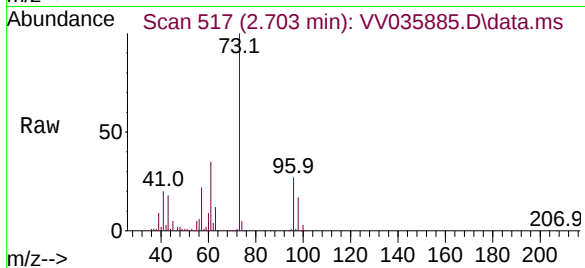
Tgt Ion: 73 Resp: 471956

Ion Ratio Lower Upper

73 100

43 17.5 14.3 21.5

57 21.9 17.8 26.6



#19

1,1-Dichloroethane

Concen: 21.456 ug/L

RT: 3.104 min Scan# 642

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

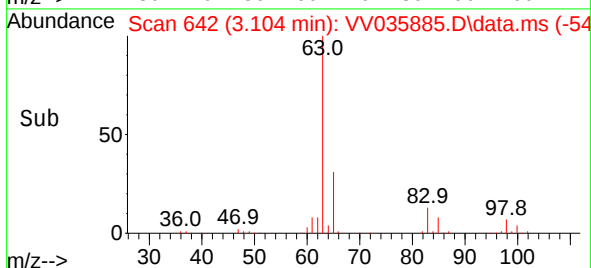
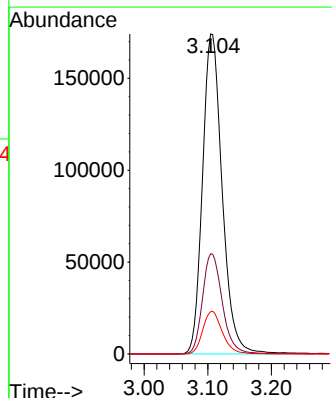
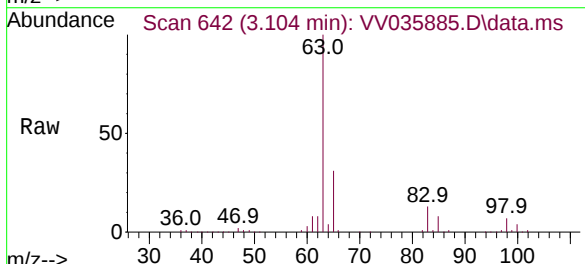
Tgt Ion: 63 Resp: 373930

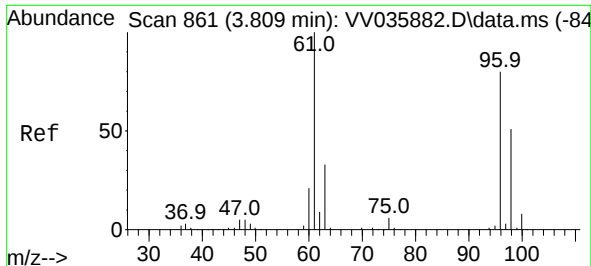
Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 13.2 9.2 17.0





#20

cis-1,2-Dichloroethene

Concen: 22.518 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

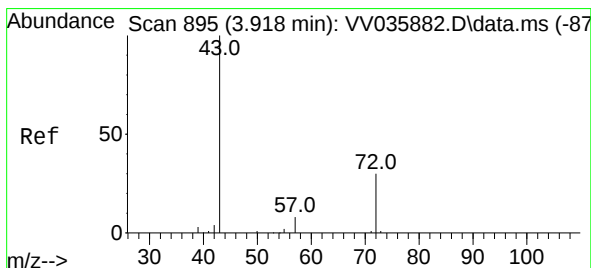
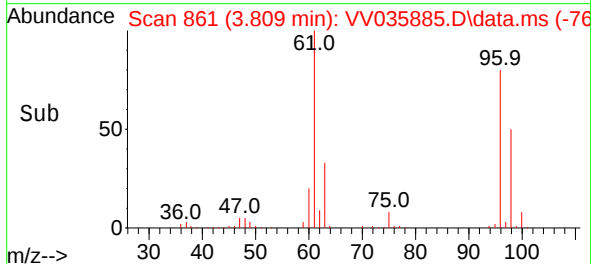
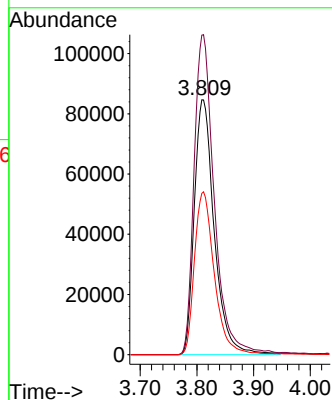
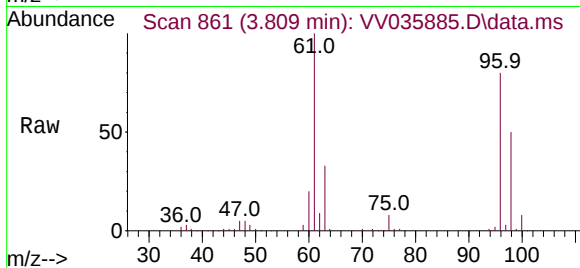
Tgt Ion: 96 Resp: 207069

Ion Ratio Lower Upper

96 100

61 125.3 87.9 163.3

98 63.3 44.4 82.5



#22

2-Butanone

Concen: 42.167 ug/L

RT: 3.915 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV035885.D

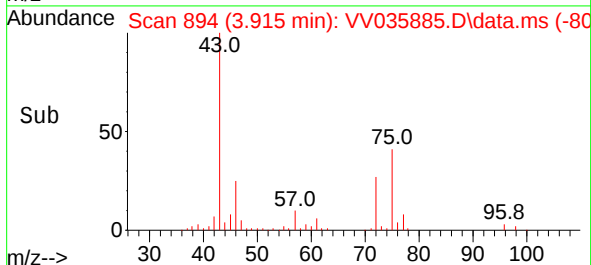
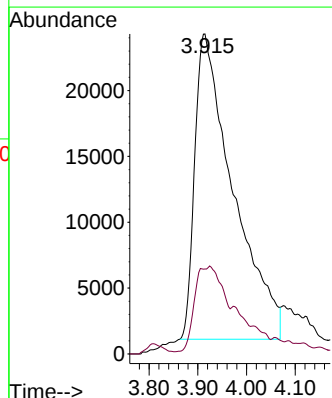
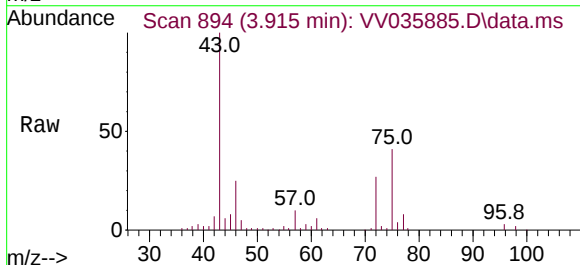
Acq: 30 May 2024 11:07

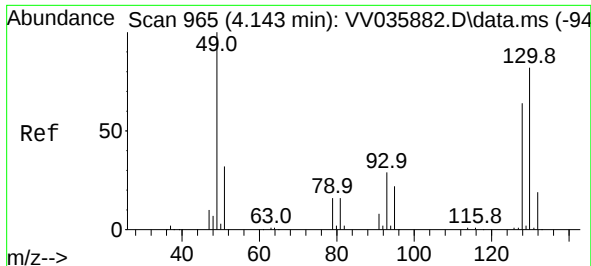
Tgt Ion: 43 Resp: 126480

Ion Ratio Lower Upper

43 100

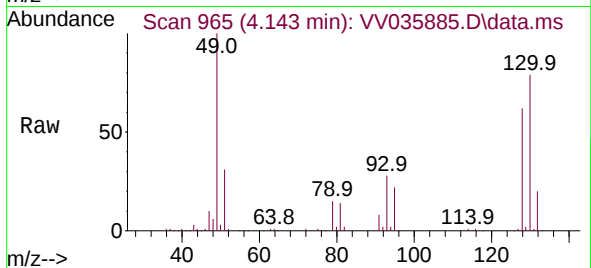
72 7.1 8.2 24.4#



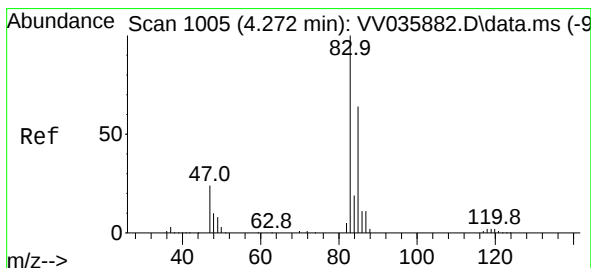
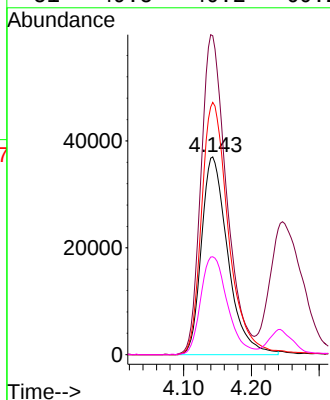
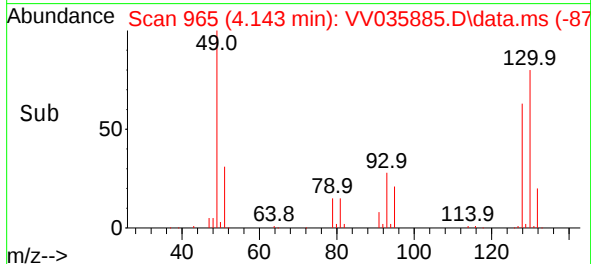


#23
Bromochloromethane
Concen: 21.707 ug/L
RT: 4.143 min Scan# 90
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :

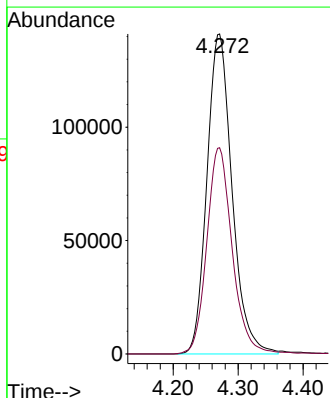
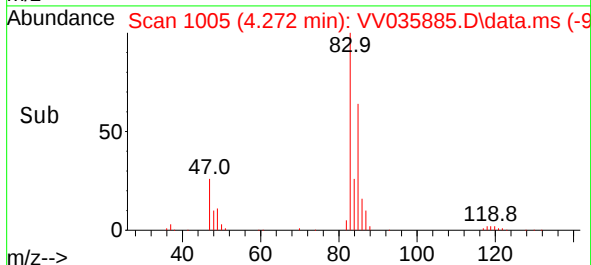
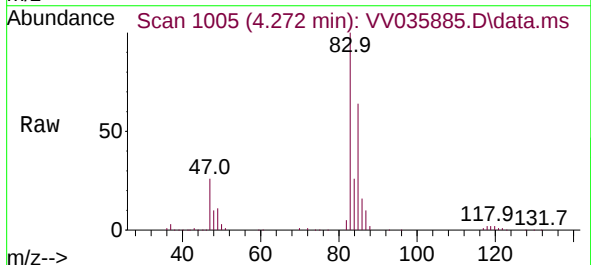


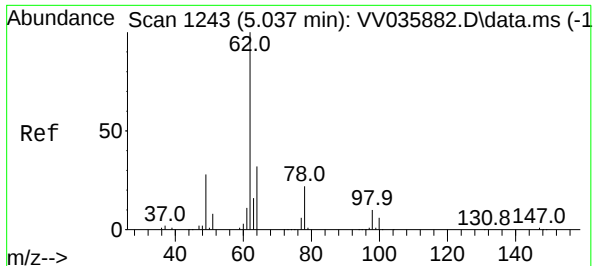
Tgt Ion:128 Resp: 100127
Ion Ratio Lower Upper
128 100
49 161.2 110.2 204.6
130 127.6 90.2 167.4
51 49.5 40.2 60.2



#25
Chloroform
Concen: 21.166 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 83 Resp: 379450
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0

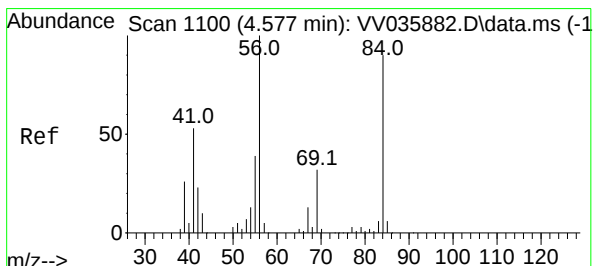
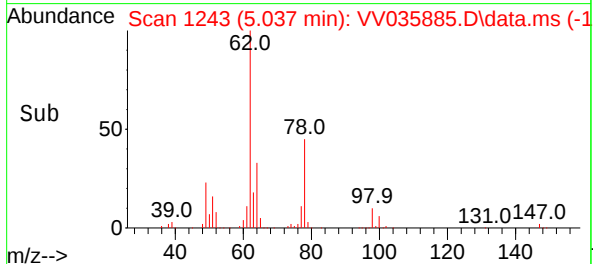
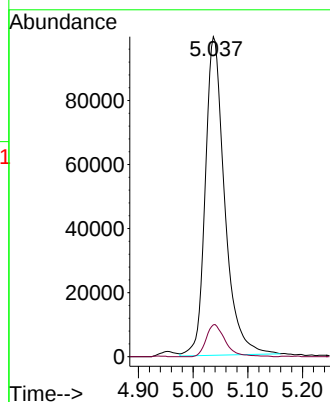
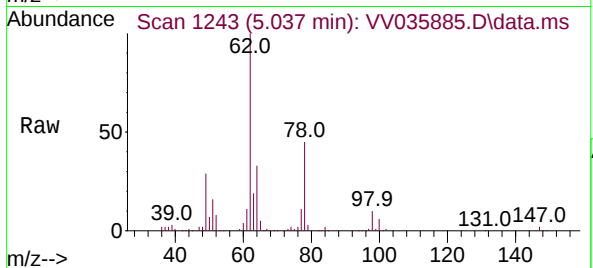




#27
1,2-Dichloroethane
Concen: 21.885 ug/L
RT: 5.037 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

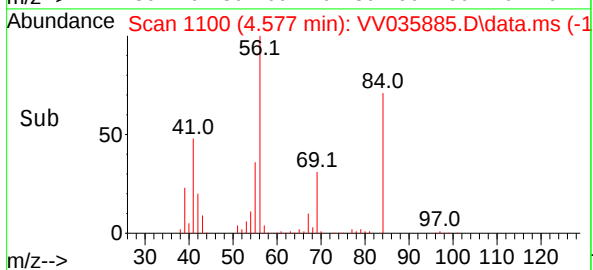
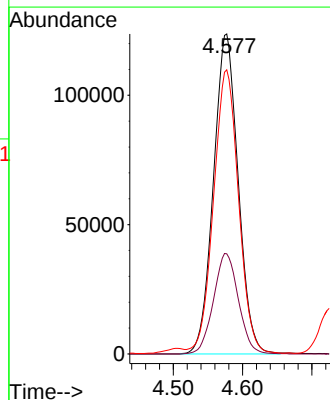
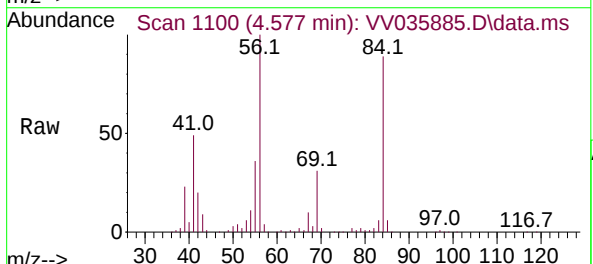
Instrument :
MSVOA_V
ClientSampleId :

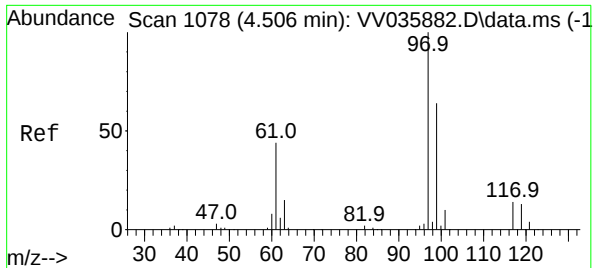
Tgt Ion: 62 Resp: 244948
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.6



#29
Cyclohexane
Concen: 24.191 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 56 Resp: 306226
Ion Ratio Lower Upper
56 100
69 31.7 25.2 37.8
84 90.1 72.2 108.2

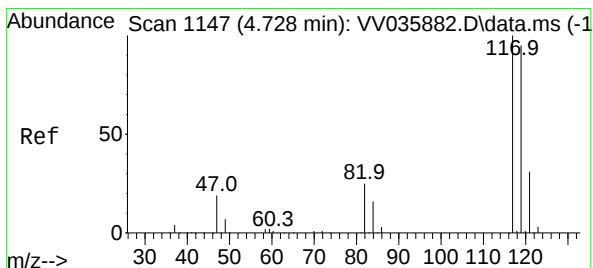
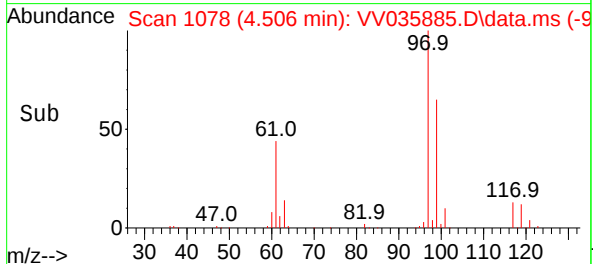
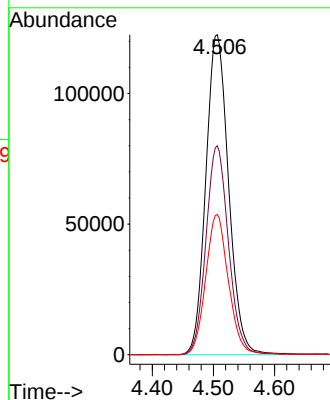
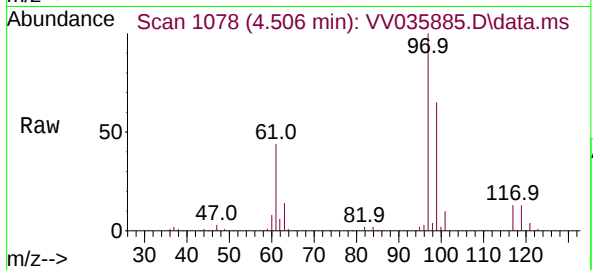




#30
1,1,1-Trichloroethane
Concen: 21.830 ug/L
RT: 4.506 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

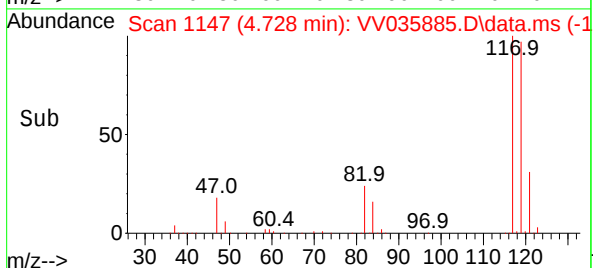
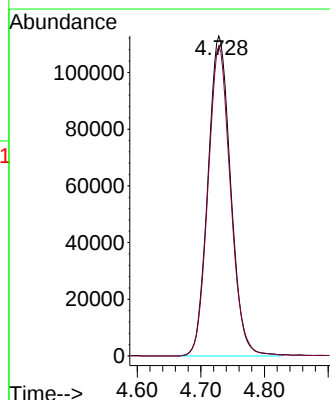
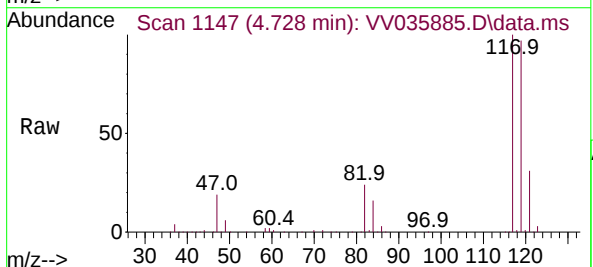
Instrument :
MSVOA_V
ClientSampleId :

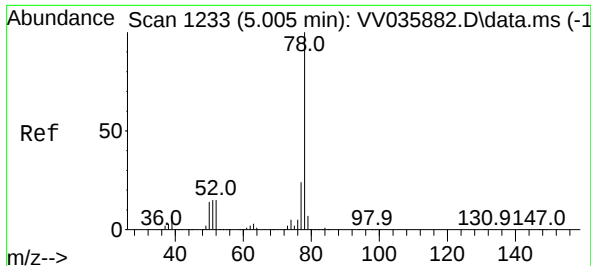
Tgt Ion: 97 Resp: 317298
Ion Ratio Lower Upper
97 100
99 64.5 50.9 76.3
61 43.9 35.0 52.6



#31
Carbon tetrachloride
Concen: 21.950 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion:117 Resp: 279890
Ion Ratio Lower Upper
117 100
119 95.9 76.8 115.2

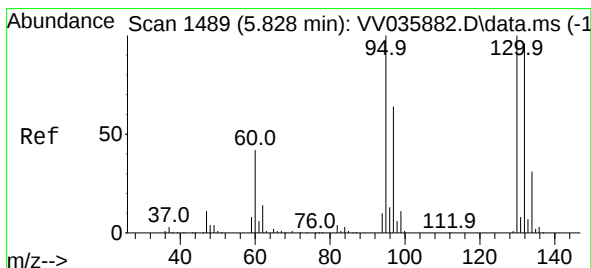
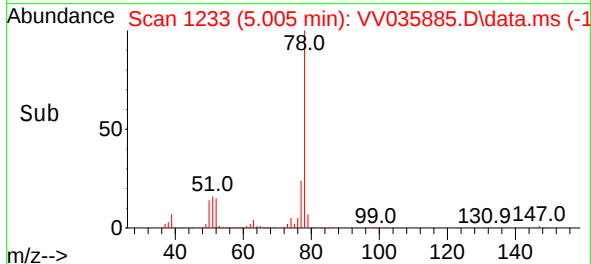
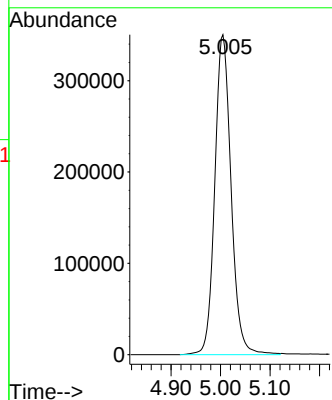
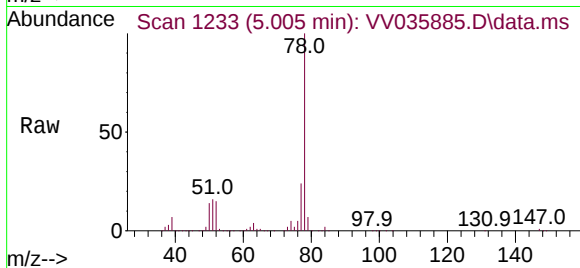




#33
Benzene
Concen: 23.024 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :

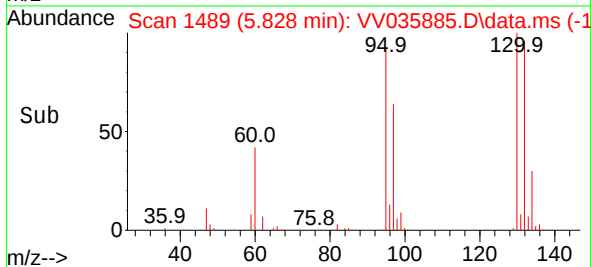
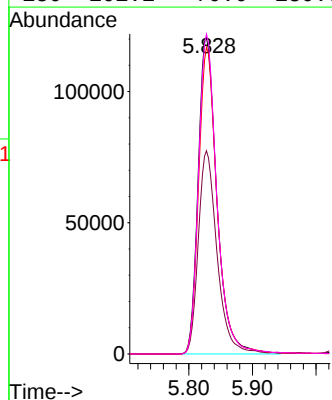
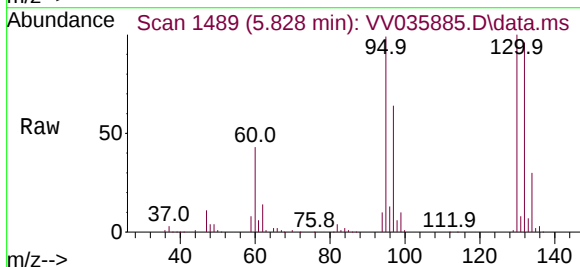
Tgt Ion: 78 Resp: 800601

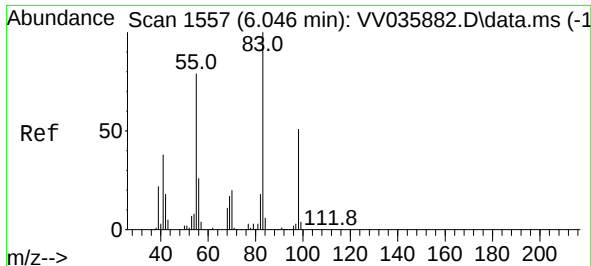


#34
Trichloroethene
Concen: 23.208 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 95 Resp: 247334

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.8	83.2
132	97.0	66.8	124.2
130	101.1	70.0	130.0





#35

Methylcyclohexane

Concen: 23.729 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

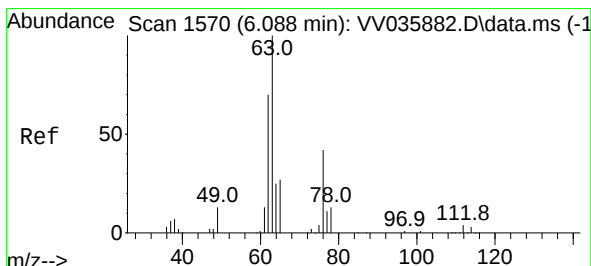
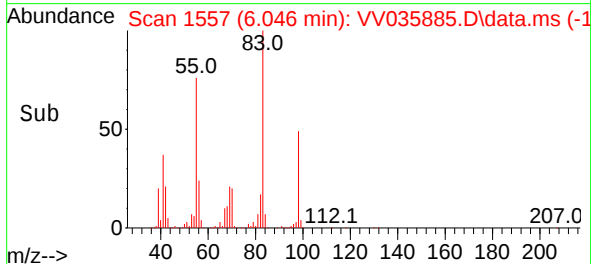
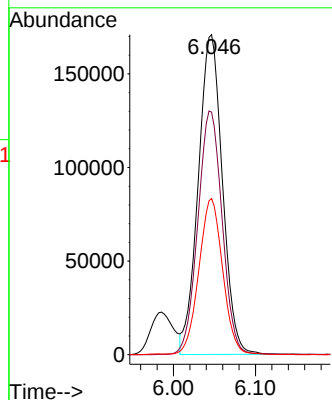
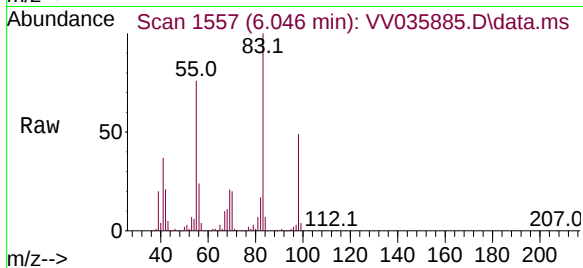
Tgt Ion: 83 Resp: 349709

Ion Ratio Lower Upper

83 100

55 77.0 60.7 91.1

98 48.3 38.7 58.1



#37

1,2-Dichloropropane

Concen: 23.139 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV035885.D

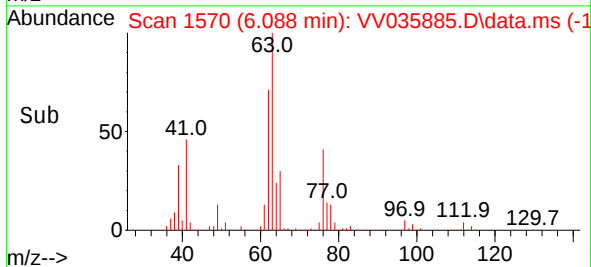
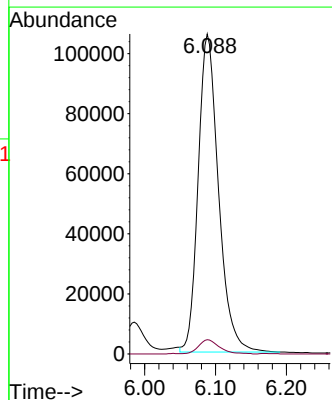
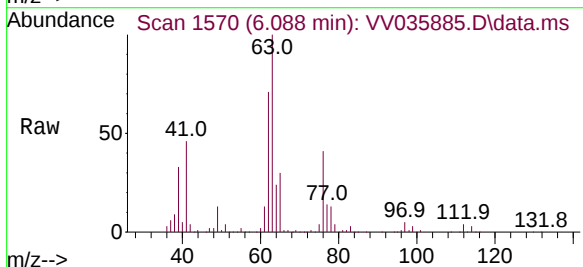
Acq: 30 May 2024 11:07

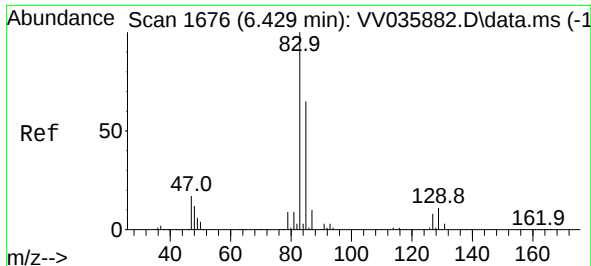
Tgt Ion: 63 Resp: 211266

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3

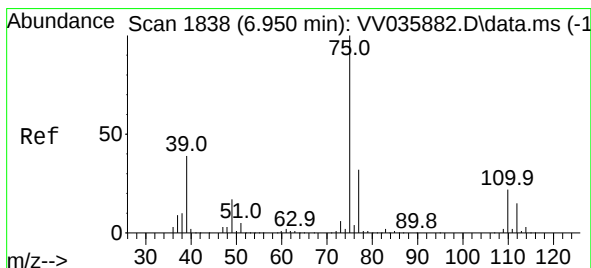
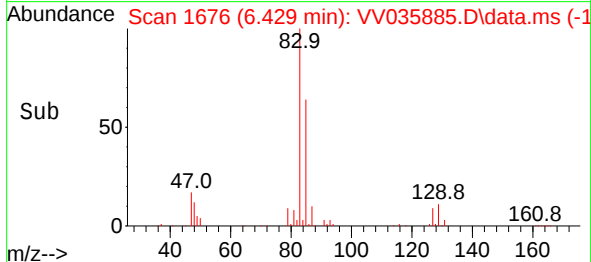
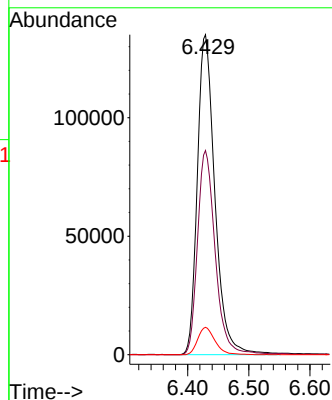
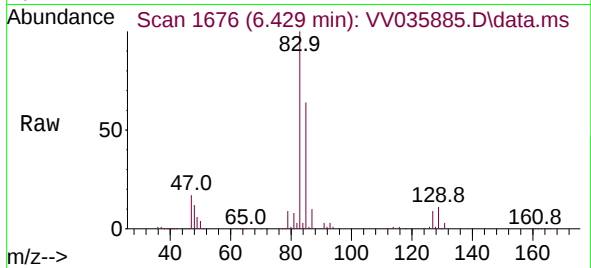




#38
Bromodichloromethane
Concen: 22.373 ug/L
RT: 6.429 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

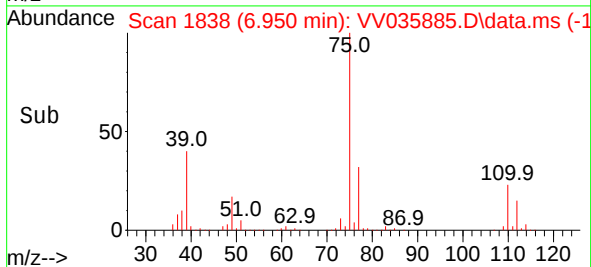
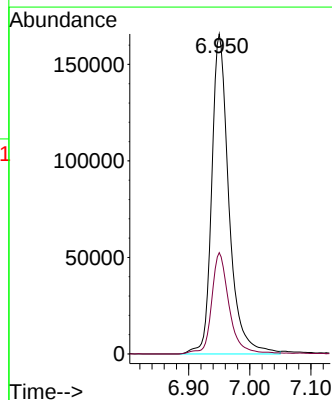
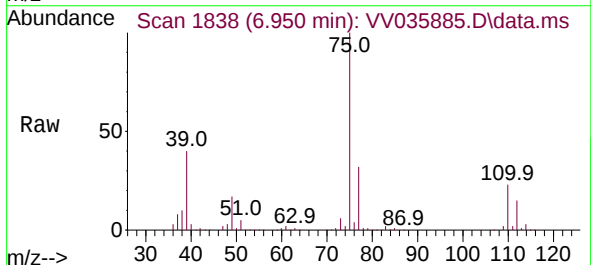
Instrument :
MSVOA_V
ClientSampleId :

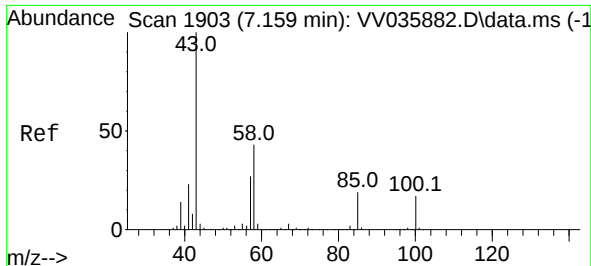
Tgt Ion: 83 Resp: 270370
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1
127 8.6 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 23.751 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 75 Resp: 324347
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 49.740 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

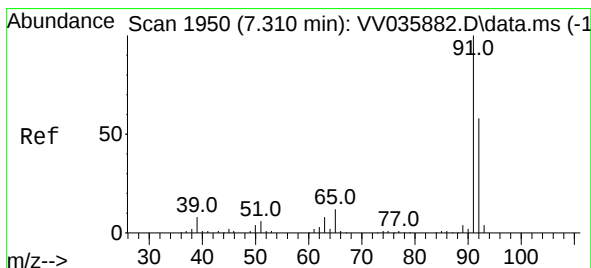
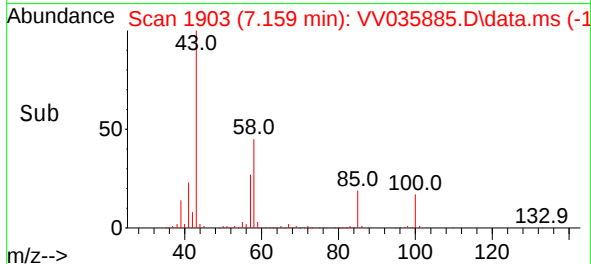
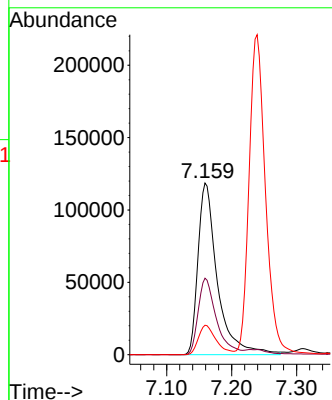
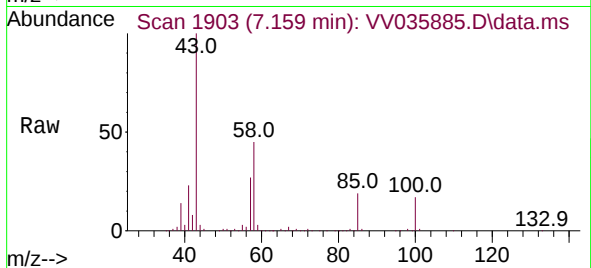
Tgt Ion: 43 Resp: 246741

Ion Ratio Lower Upper

43 100

58 41.8 32.5 48.7

100 15.8 12.5 18.7



#42

Toluene

Concen: 24.037 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035885.D

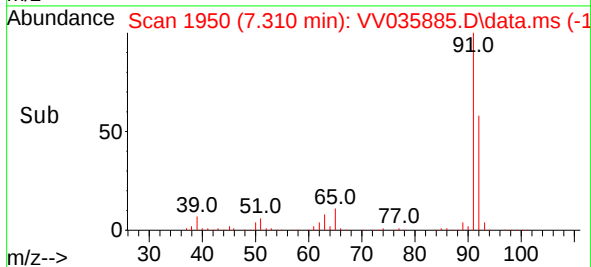
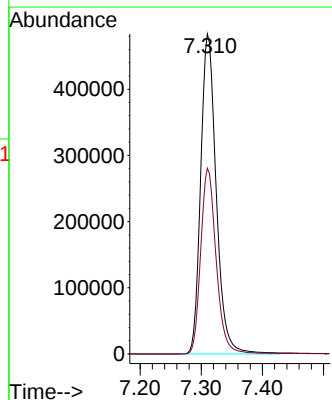
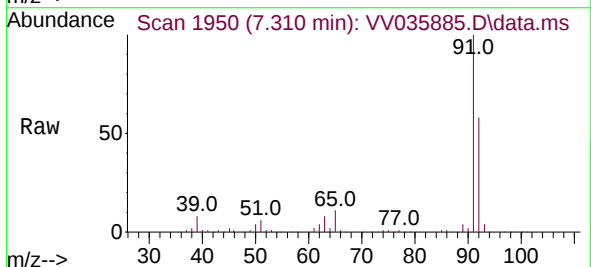
Acq: 30 May 2024 11:07

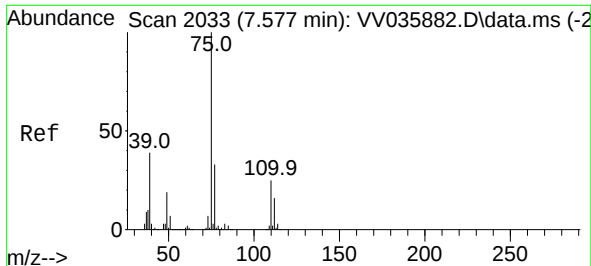
Tgt Ion: 91 Resp: 854050

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 24.172 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

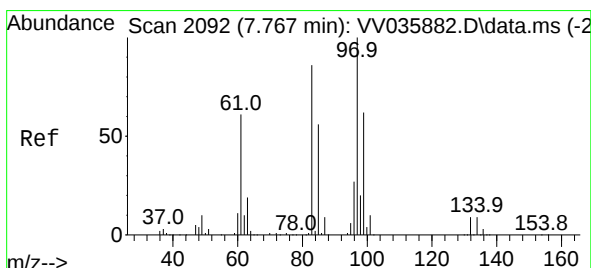
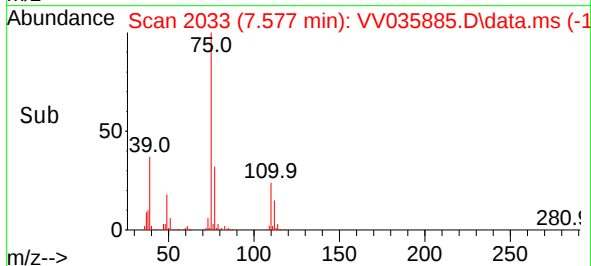
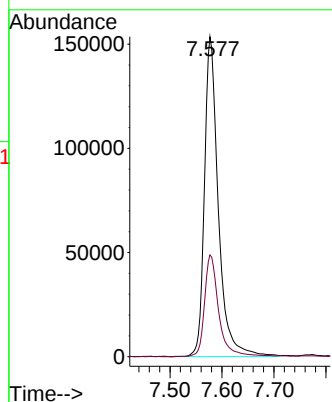
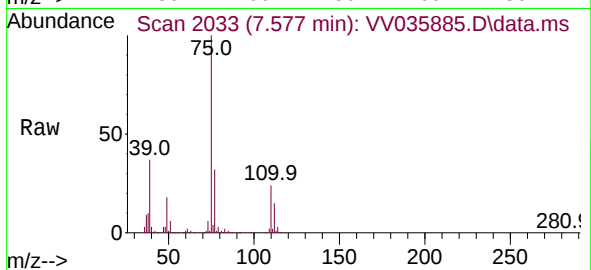
ClientSampleId :

Tgt Ion: 75 Resp: 285116

Ion Ratio Lower Upper

75 100

77 31.8 23.1 42.9



#45

1,1,2-Trichloroethane

Concen: 22.114 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Tgt Ion: 97 Resp: 167062

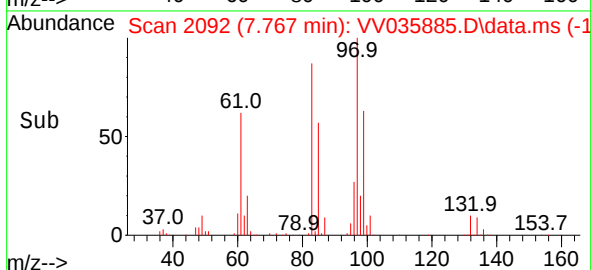
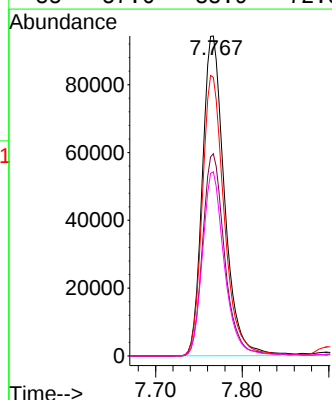
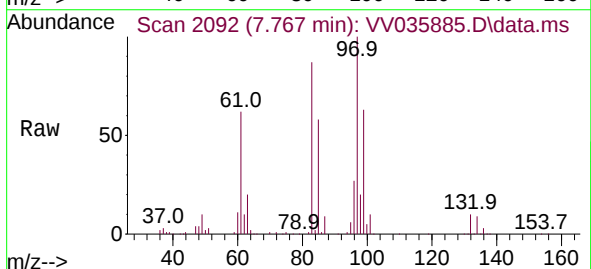
Ion Ratio Lower Upper

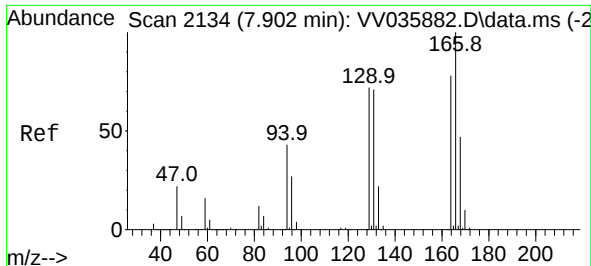
97 100

99 63.2 43.3 80.5

83 87.1 60.1 111.7

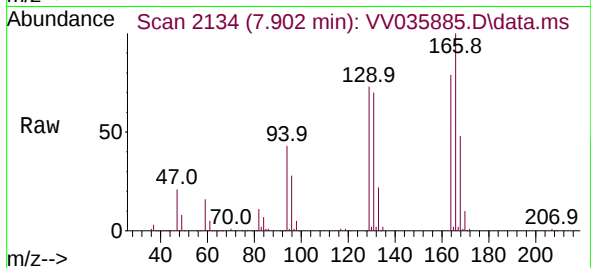
85 57.6 38.9 72.3



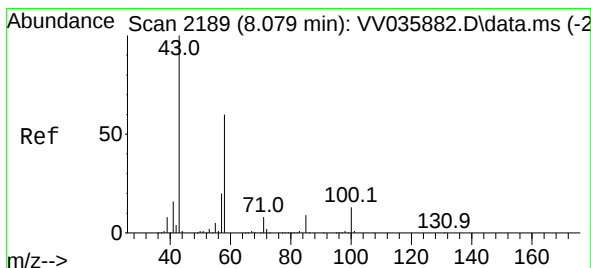
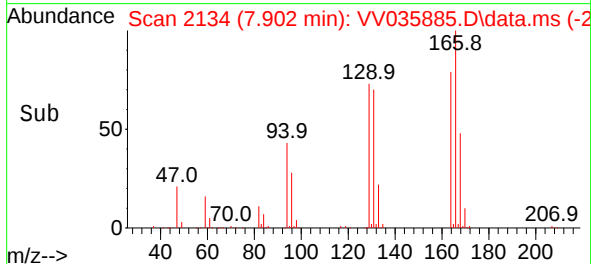
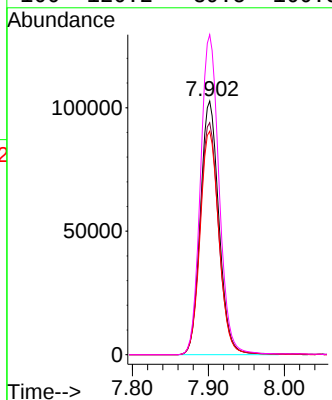


#46
Tetrachloroethene
Concen: 22.344 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :

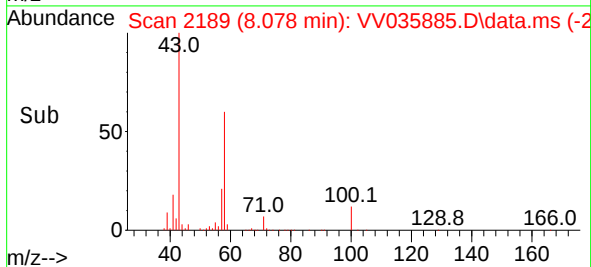
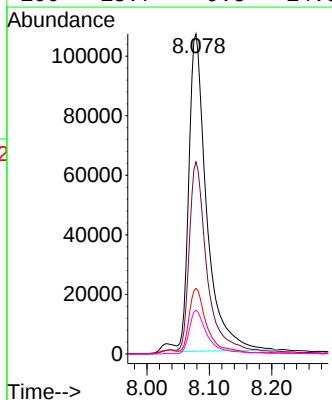
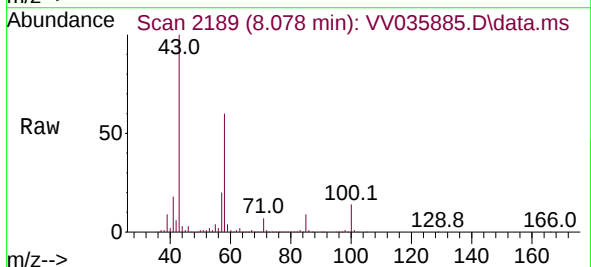


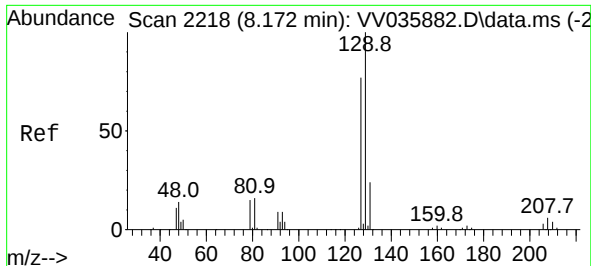
Tgt Ion:164 Resp: 174153
Ion Ratio Lower Upper
164 100
129 91.5 64.6 120.0
131 88.1 63.2 117.4
166 126.2 89.5 166.3



#48
2-Hexanone
Concen: 54.327 ug/L
RT: 8.078 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 43 Resp: 210684
Ion Ratio Lower Upper
43 100
58 58.4 45.4 68.0
57 20.2 15.8 23.8
100 13.7 9.8 14.8





#49

Dibromochloromethane

Concen: 22.521 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

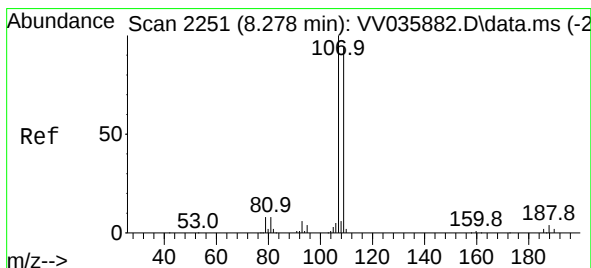
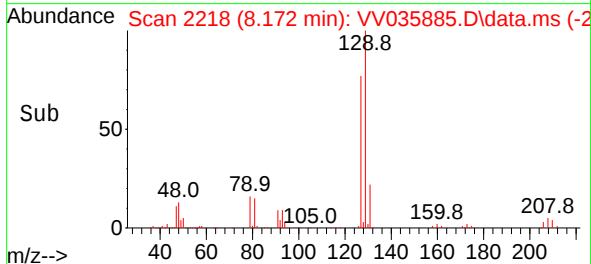
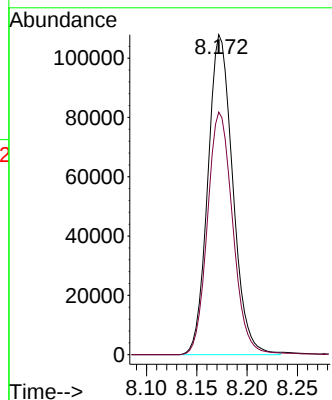
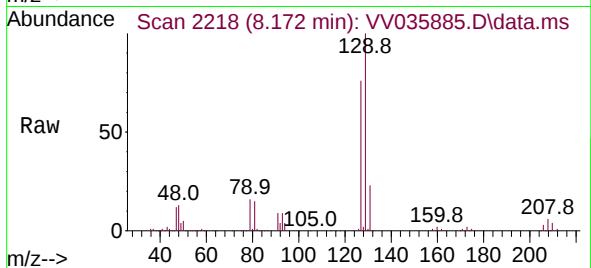
ClientSampleId :

Tgt Ion:129 Resp: 186207

Ion Ratio Lower Upper

129 100

127 75.8 53.9 100.1



#50

1,2-Dibromoethane

Concen: 22.973 ug/L

RT: 8.281 min Scan# 2252

Delta R.T. 0.003 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

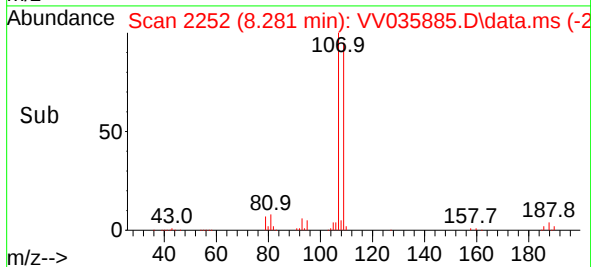
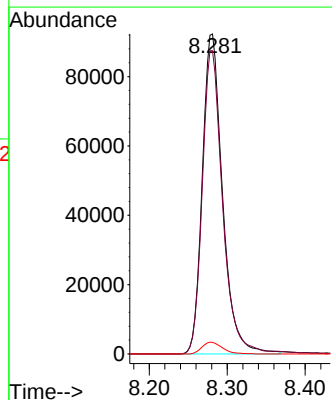
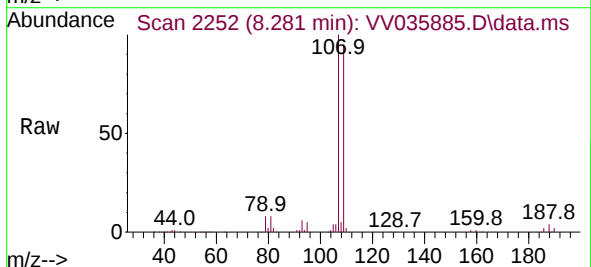
Tgt Ion:107 Resp: 166526

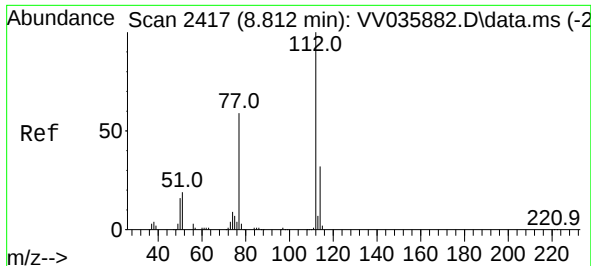
Ion Ratio Lower Upper

107 100

109 94.8 66.1 122.7

188 3.8 3.0 4.6





#51

Chlorobenzene

Concen: 22.901 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

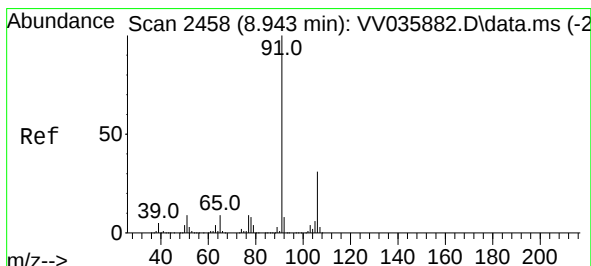
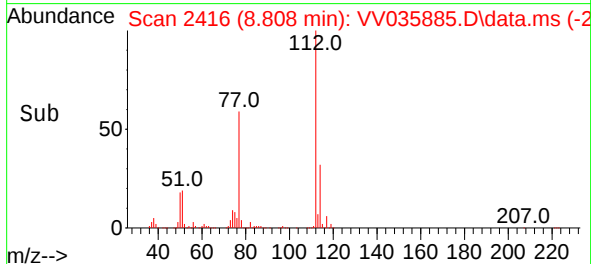
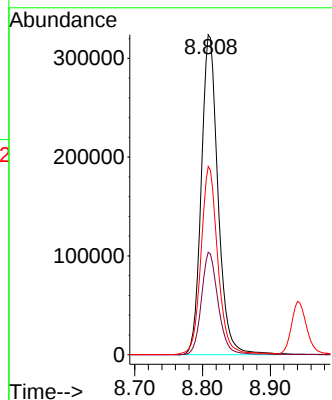
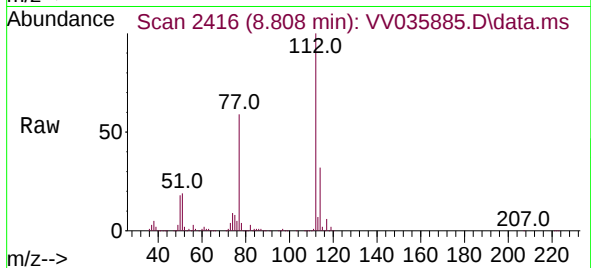
Tgt Ion:112 Resp: 554408

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 58.8 47.3 70.9



#52

Ethylbenzene

Concen: 24.363 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035885.D

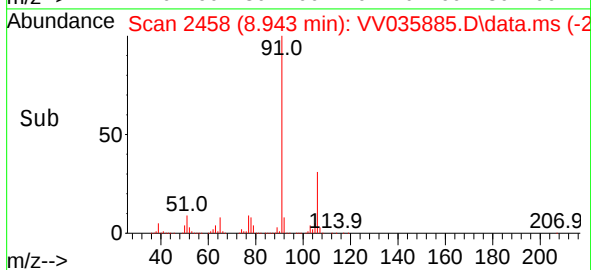
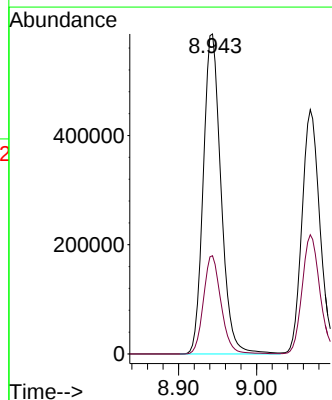
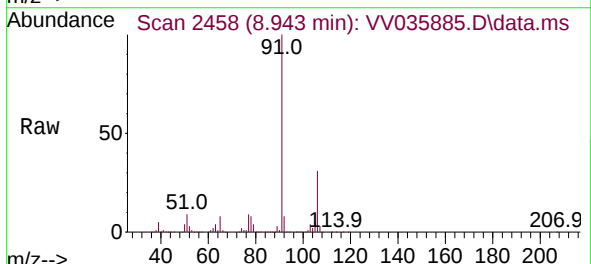
Acq: 30 May 2024 11:07

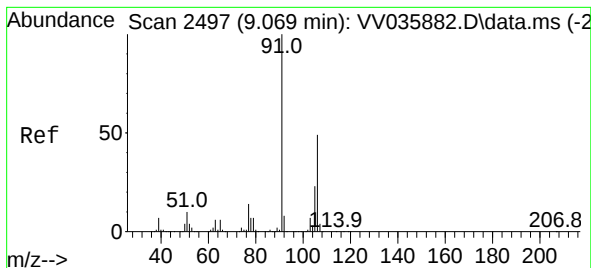
Tgt Ion: 91 Resp: 926144

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0





#53

m,p-Xylene

Concen: 24.231 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

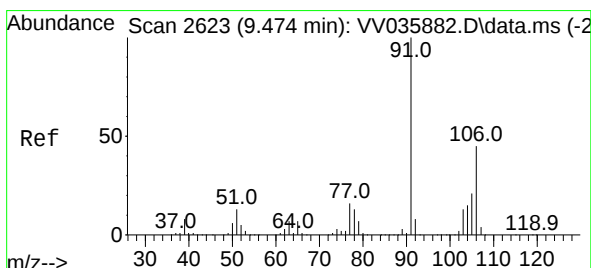
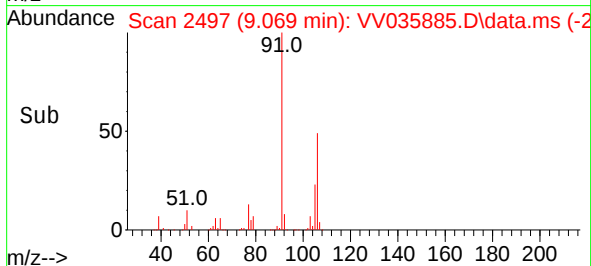
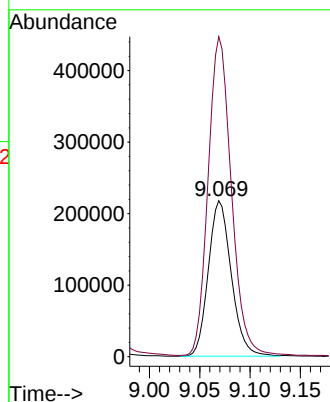
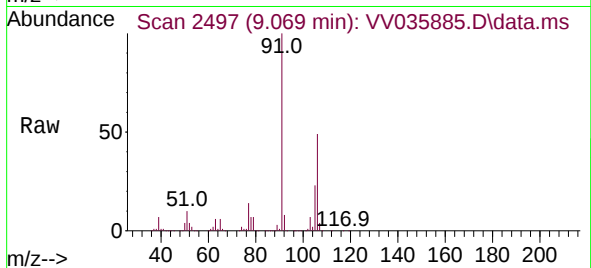
ClientSampleId :

Tgt Ion:106 Resp: 346111

Ion Ratio Lower Upper

106 100

91 205.0 143.1 265.9



#54

o-Xylene

Concen: 24.382 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. -0.000 min

Lab File: VV035885.D

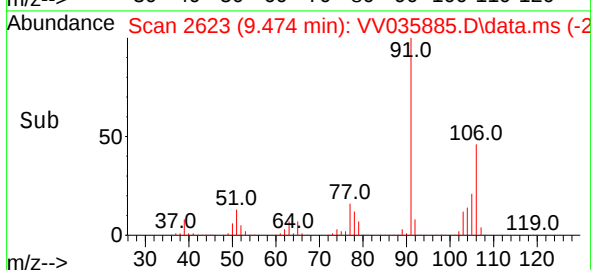
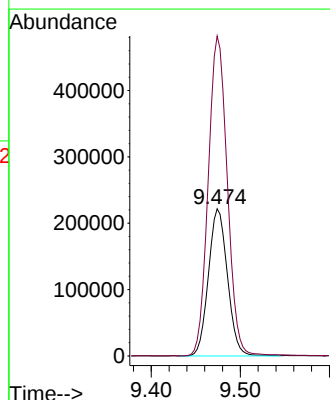
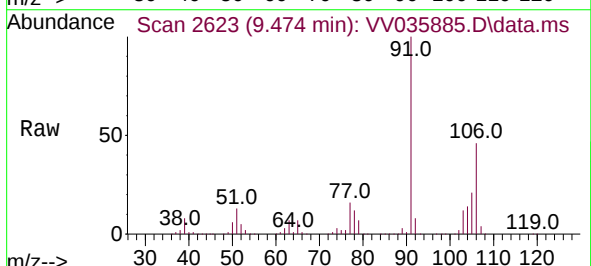
Acq: 30 May 2024 11:07

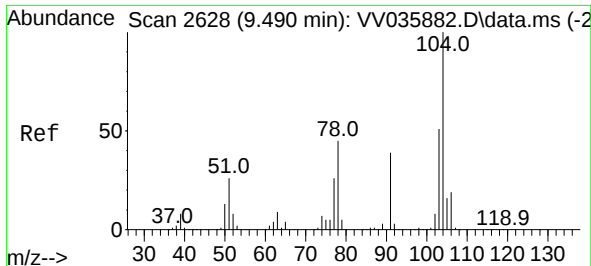
Tgt Ion:106 Resp: 328432

Ion Ratio Lower Upper

106 100

91 217.3 154.5 286.9

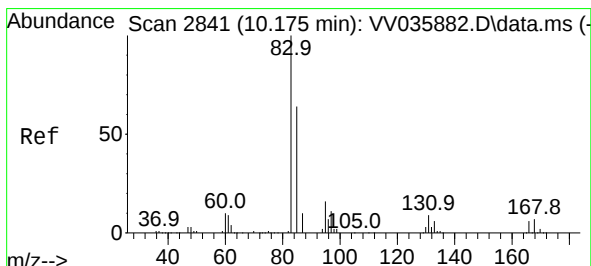
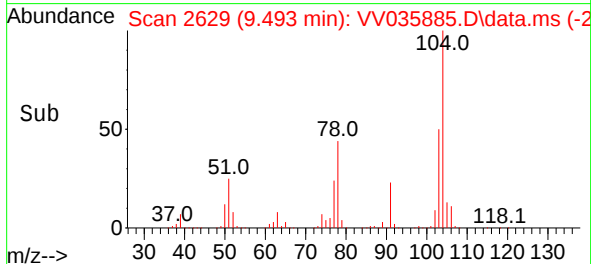
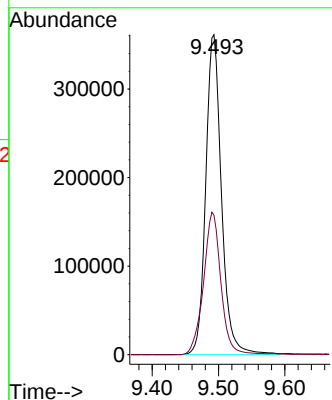
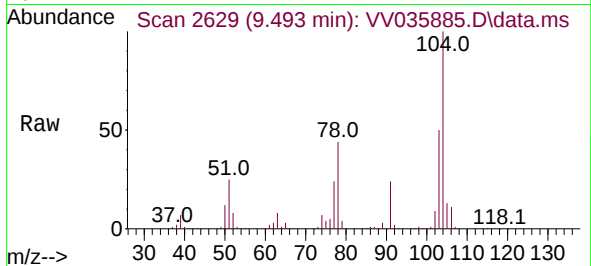




#55
Styrene
Concen: 25.118 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

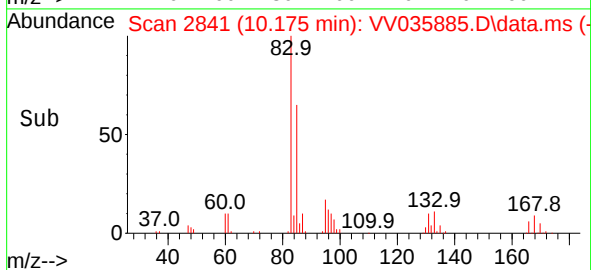
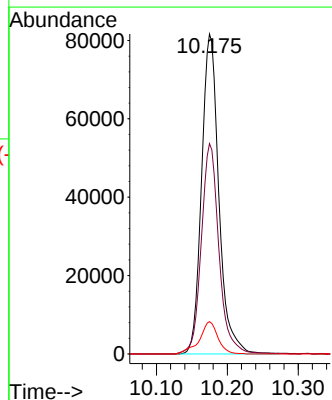
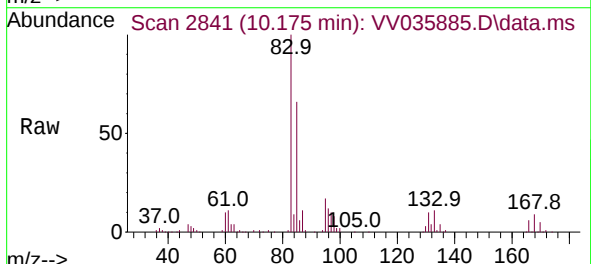
Instrument :
MSVOA_V
ClientSampleId :

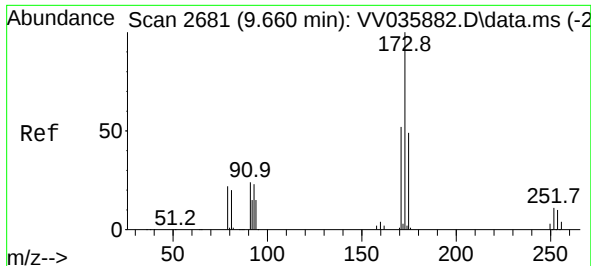
Tgt Ion:104 Resp: 596646
Ion Ratio Lower Upper
104 100
78 43.6 31.4 58.2



#57
1,1,2,2-Tetrachloroethane
Concen: 20.428 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

Tgt Ion: 83 Resp: 138183
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7
131 10.1 7.6 11.4





#59

Bromoform

Concen: 22.605 ug/L

RT: 9.664 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

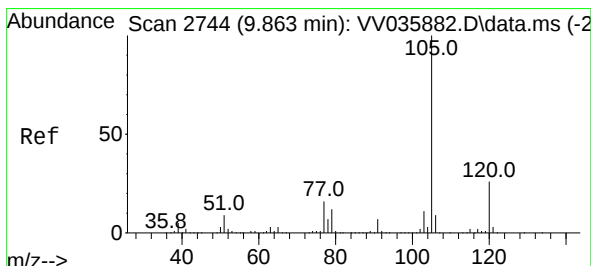
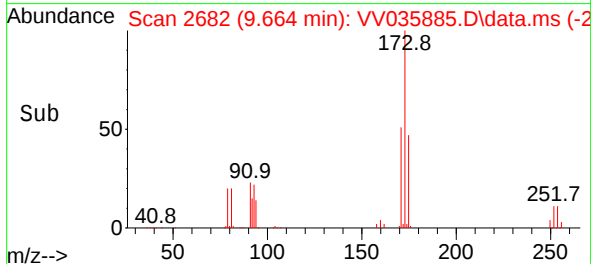
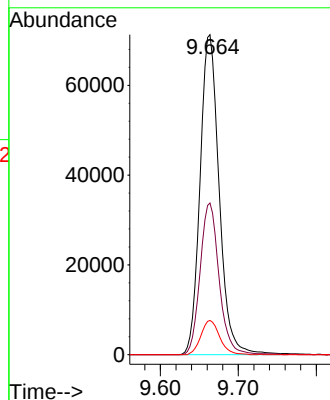
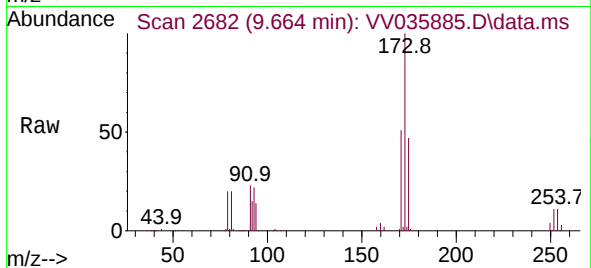
Tgt Ion:173 Resp: 121554

Ion Ratio Lower Upper

173 100

175 46.9 39.0 58.6

254 10.5 8.6 13.0



#60

Isopropylbenzene

Concen: 24.792 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

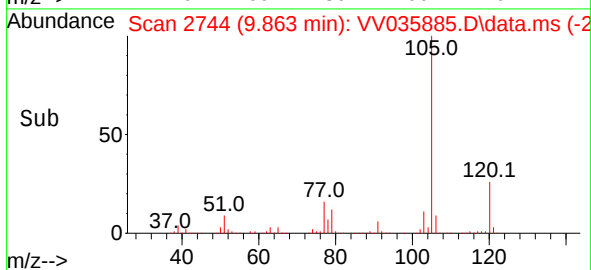
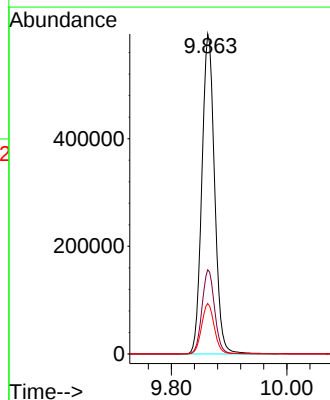
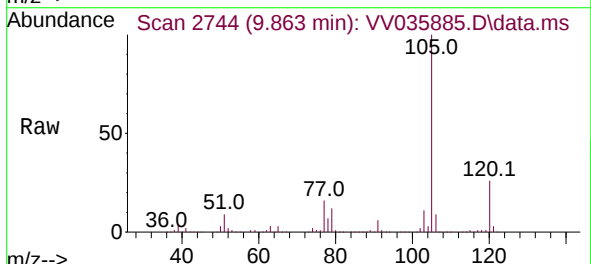
Tgt Ion:105 Resp: 906943

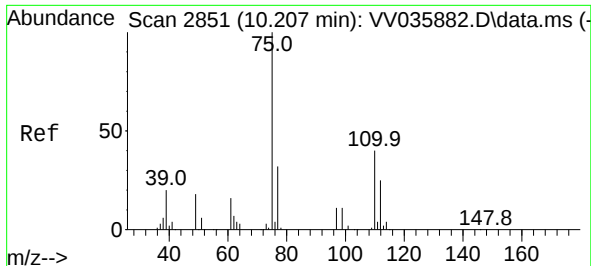
Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

77 15.6 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 23.003 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

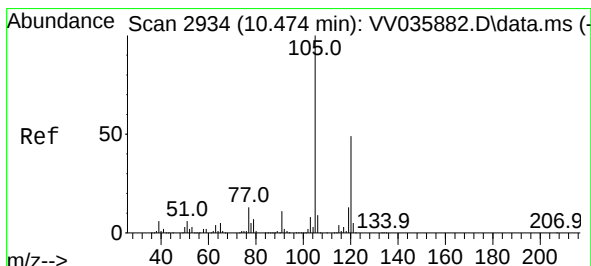
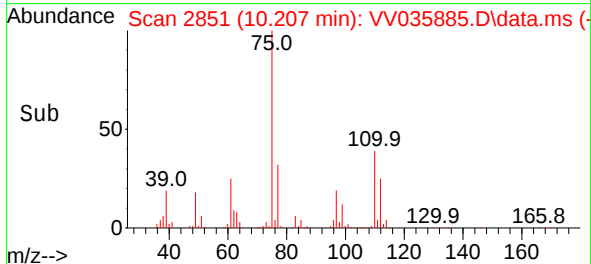
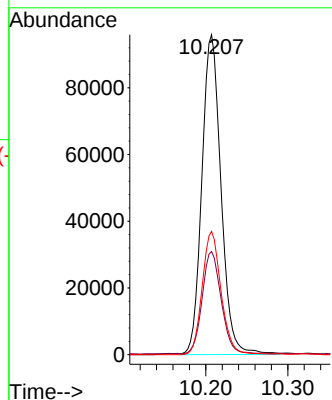
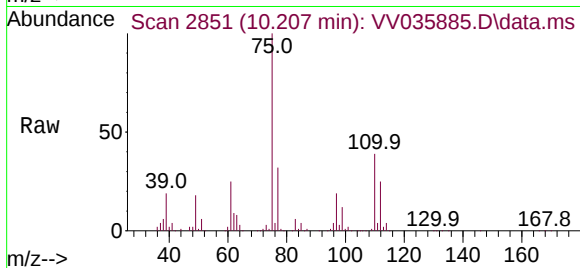
Tgt Ion: 75 Resp: 155128

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0

110 37.8 32.2 48.4



#62

1,3,5-Trimethylbenzene

Concen: 24.927 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035885.D

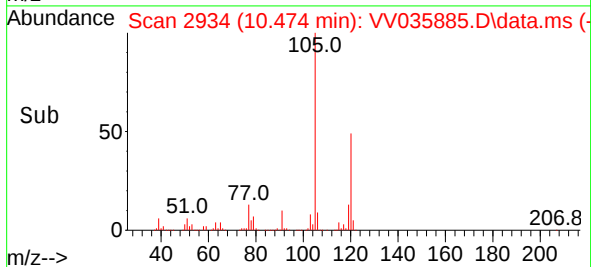
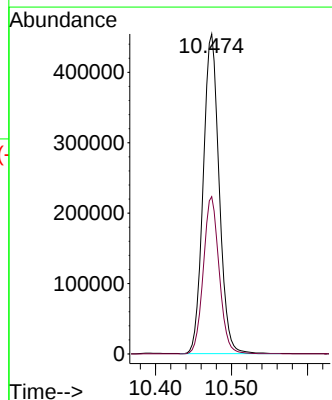
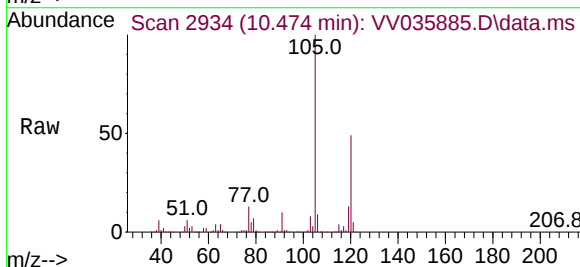
Acq: 30 May 2024 11:07

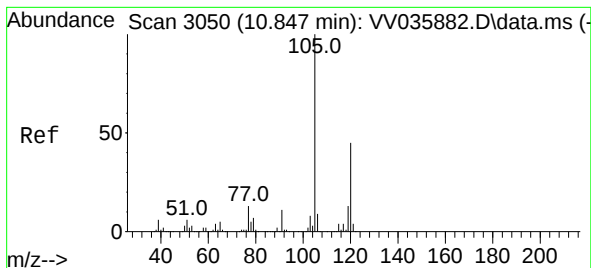
Tgt Ion:105 Resp: 661230

Ion Ratio Lower Upper

105 100

120 48.7 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 25.552 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

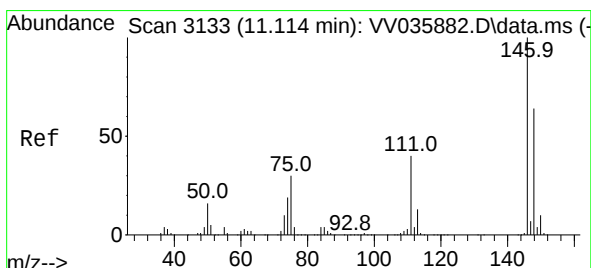
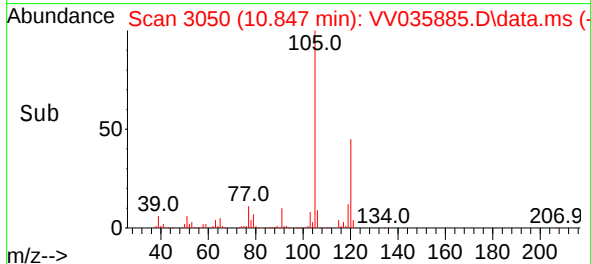
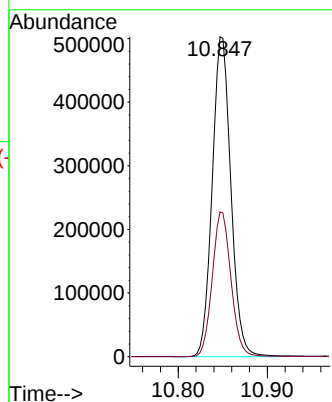
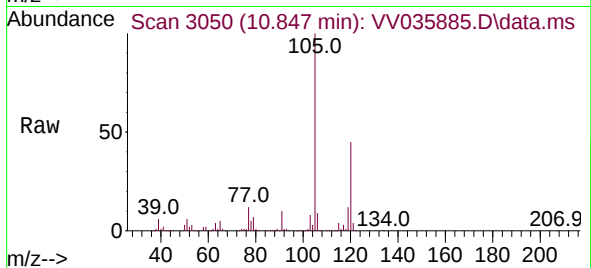
ClientSampleId :

Tgt Ion:105 Resp: 730280

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 23.732 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

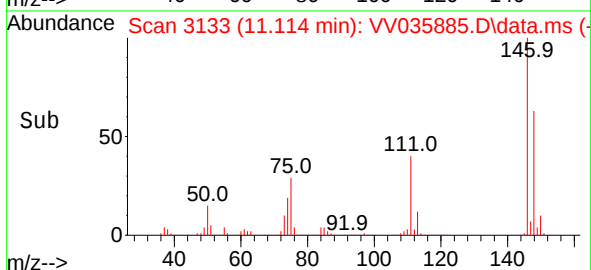
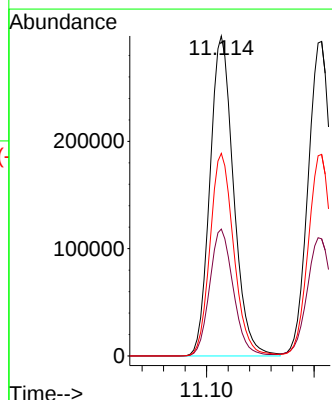
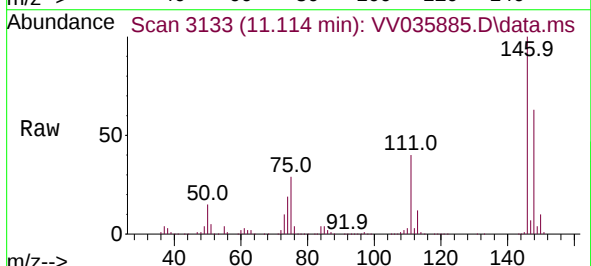
Tgt Ion:146 Resp: 455917

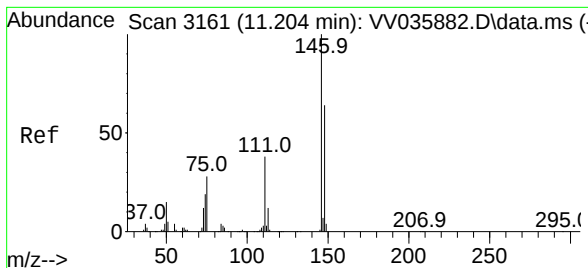
Ion Ratio Lower Upper

146 100

111 39.6 28.1 52.1

148 63.3 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 23.582 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

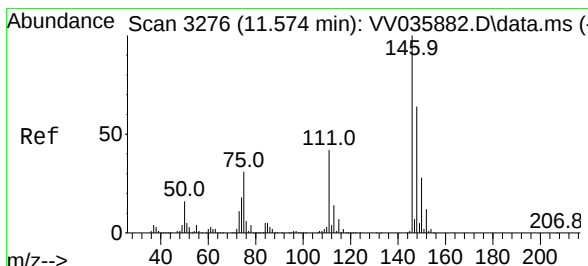
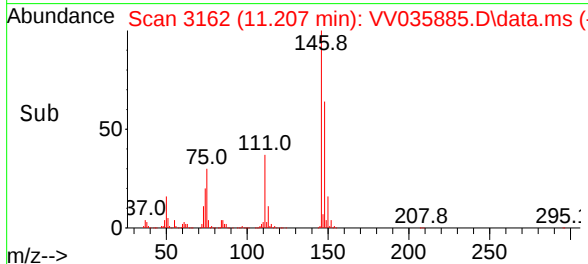
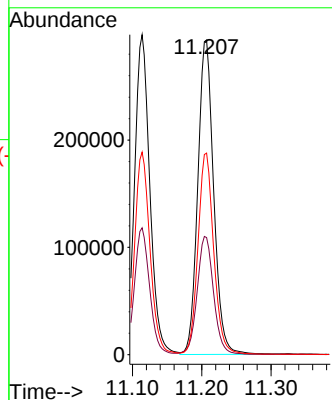
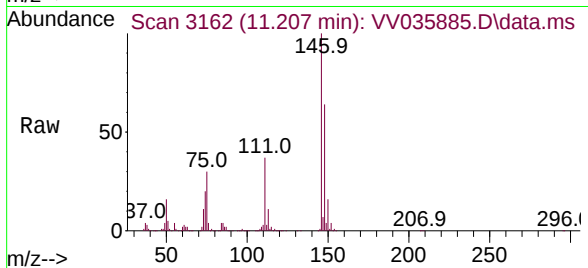
Tgt Ion:146 Resp: 467611

Ion Ratio Lower Upper

146 100

111 37.2 26.9 50.1

148 64.1 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 23.506 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

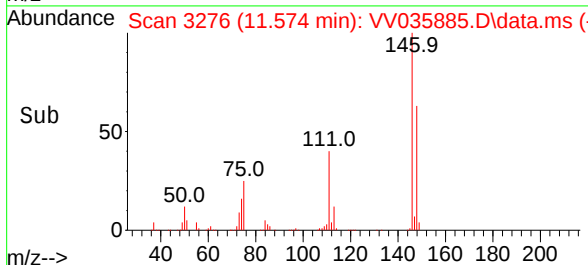
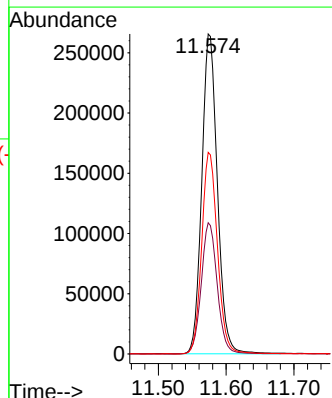
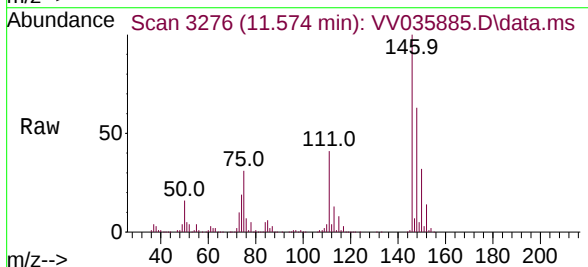
Tgt Ion:146 Resp: 424950

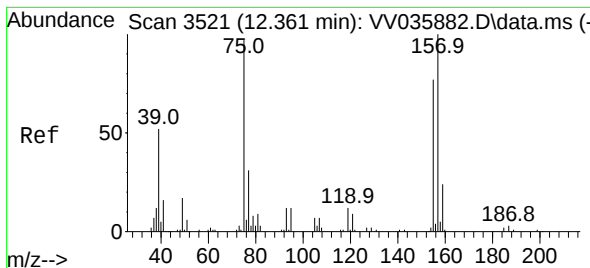
Ion Ratio Lower Upper

146 100

111 41.0 33.5 50.3

148 63.0 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 23.513 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

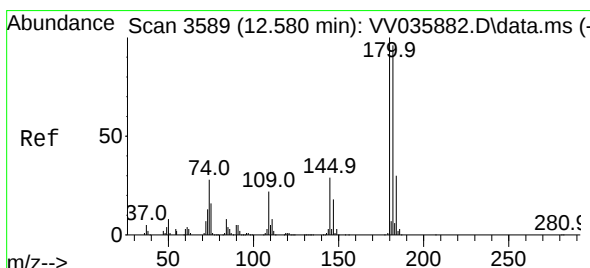
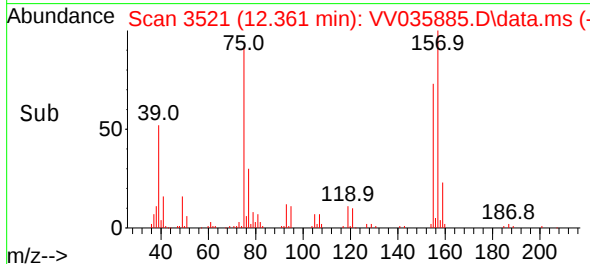
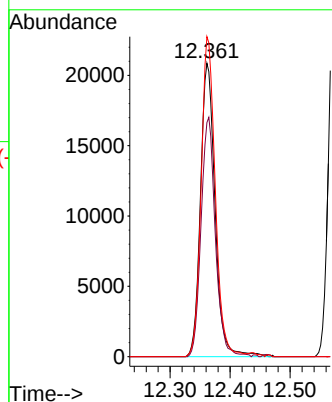
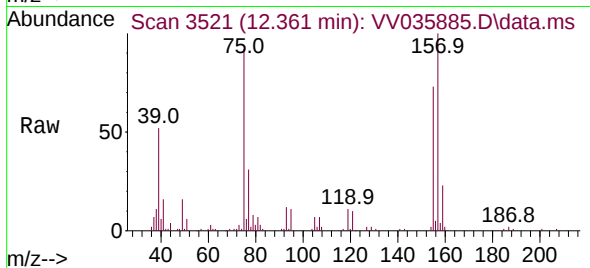
Tgt Ion: 75 Resp: 35458

Ion Ratio Lower Upper

75 100

155 79.8 63.3 94.9

157 109.0 82.4 123.6



#69

1,3,5-Trichlorobenzene

Concen: 23.703 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

Lab File: VV035885.D

Acq: 30 May 2024 11:07

Tgt Ion:180 Resp: 340615

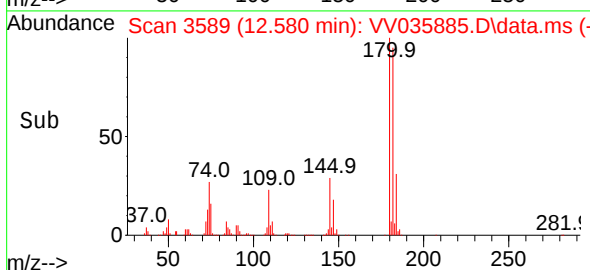
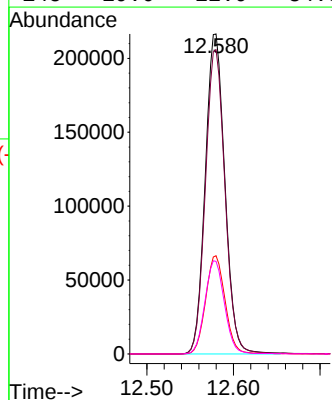
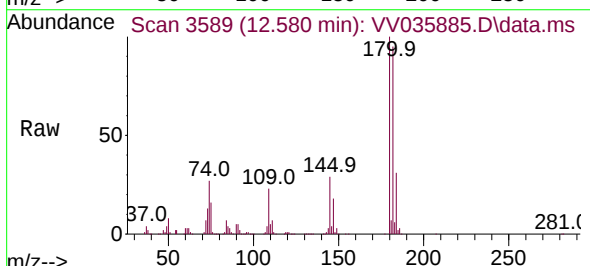
Ion Ratio Lower Upper

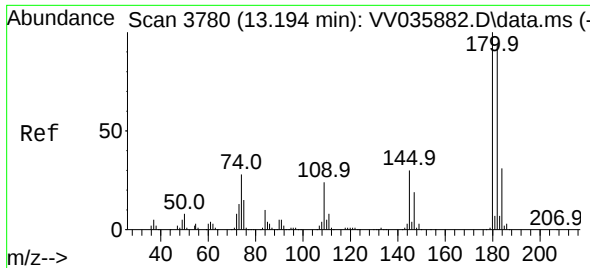
180 100

182 95.0 76.2 114.4

184 30.5 24.2 36.2

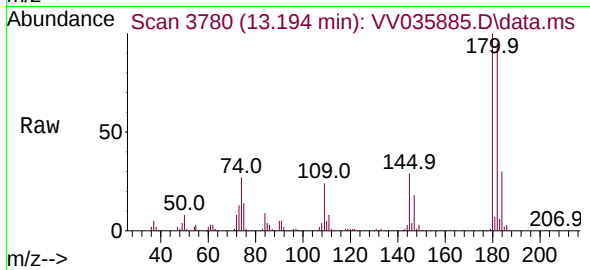
145 29.0 22.9 34.3



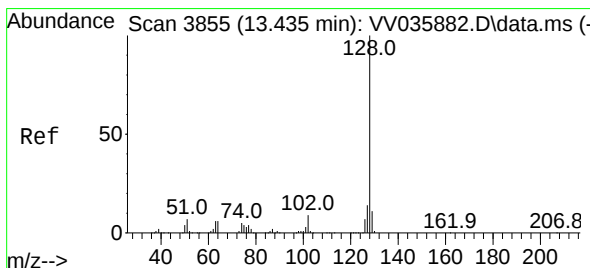
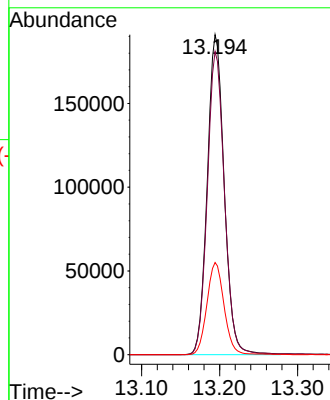
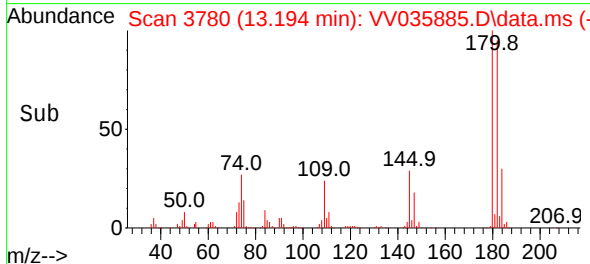


#70
1,2,4-trichlorobenzene
Concen: 25.504 ug/L
RT: 13.194 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07

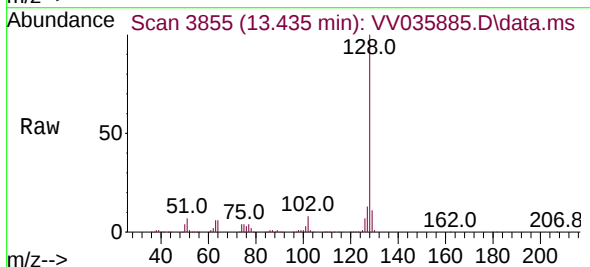
Instrument :
MSVOA_V
ClientSampleId :



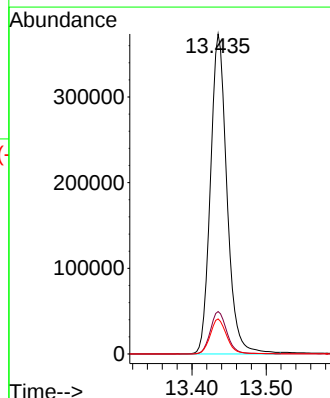
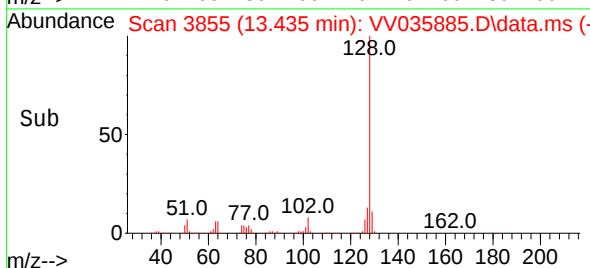
Tgt Ion:180 Resp: 288574
Ion Ratio Lower Upper
180 100
182 95.4 76.1 114.1
145 29.3 23.5 35.3

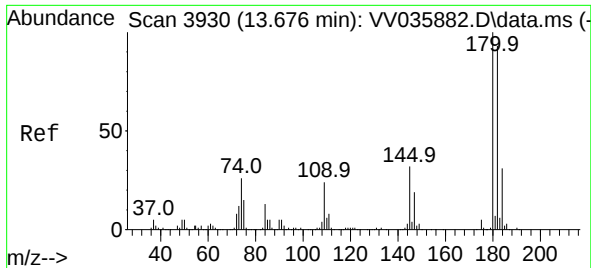


#71
Naphthalene
Concen: 31.200 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV035885.D
Acq: 30 May 2024 11:07



Tgt Ion:128 Resp: 576109
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2





#72

1,2,3-Trichlorobenzene

Concen: 26.285 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

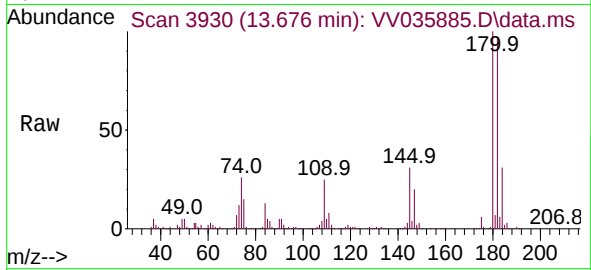
Lab File: VV035885.D

Acq: 30 May 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 271399

Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 31.4 25.2 37.8

