

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
 Data File : VV036002.D
 Acq On : 07 Jun 2024 11:06
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 08 00:24:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 02:16:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	417827	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	409045	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	205079	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	152123	19.803	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.200%
7) Chloroethane-d5	1.529	69	124969	20.403	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.050	65	67080	19.616	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.480%
21) 2-Butanone-d5	3.844	46	36930	20.953	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.900%
24) Chloroform-d	4.240	84	269485	20.287	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.160%
26) 1,2-Dichloroethane-d4	4.937	65	136124	19.545	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.160%
32) Benzene-d6	4.953	84	524434	21.569	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.280%
36) 1,2-Dichloropropane-d6	5.982	67	160762	20.996	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.000%
41) Toluene-d8	7.236	98	464630	21.657	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.640%
43) trans-1,3-Dichloroprop...	7.551	79	64710	20.611	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.440%
47) 2-Hexanone-d5	8.030	63	47927	46.199	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.400%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	113123	19.771	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.080%
66) 1,2-Dichlorobenzene-d4	11.558	152	156976	20.873	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	144191	19.139	ug/L	99
3) Chloromethane	1.211	50	186164	21.532	ug/L	98
5) Vinyl chloride	1.278	62	197024	21.646	ug/L	98
6) Bromomethane	1.484	94	117594	20.825	ug/L	99
8) Chloroethane	1.545	64	121658	21.503	ug/L	99
9) Trichlorofluoromethane	1.709	101	240833	21.306	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	150636	20.998	ug/L	99
12) 1,1-Dichloroethene	2.063	96	144024	21.526	ug/L	96
13) Acetone	2.384	43	66015	24.046	ug/L	69
14) Carbon disulfide	2.233	76	479934	20.656	ug/L	99
15) Methyl Acetate	2.384	43	70172	20.563	ug/L	98
16) Methylene chloride	2.439	84	173538	18.355	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	150372	21.157	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	334738	20.979	ug/L	99
19) 1,1-Dichloroethane	3.105	63	293954	21.718	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	151565	21.222	ug/L	96
22) 2-Butanone	3.915	43	98106	42.114	ug/L	92
23) Bromochloromethane	4.140	128	72681	20.289	ug/L	94
25) Chloroform	4.269	83	292018	20.973	ug/L	98

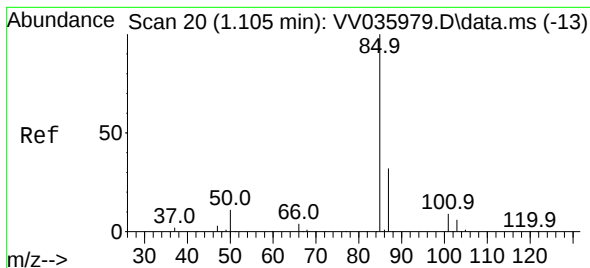
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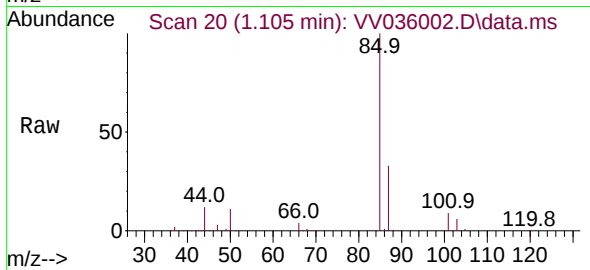
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	177205	20.386	ug/L	99
29) Cyclohexane	4.574	56	223089	22.906	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	247126	22.099	ug/L	99
31) Carbon tetrachloride	4.725	117	216581	22.077	ug/L	99
33) Benzene	5.002	78	609917	22.798	ug/L	100
34) Trichloroethene	5.825	95	182536	22.262	ug/L	99
35) Methylcyclohexane	6.043	83	250252	22.070	ug/L	99
37) 1,2-Dichloropropane	6.088	63	161647	23.011	ug/L	100
38) Bromodichloromethane	6.426	83	200737	21.590	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	227187	21.623	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	179933	47.145	ug/L	99
42) Toluene	7.310	91	638298	23.350	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	203034	22.372	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	122240	21.031	ug/L	99
46) Tetrachloroethene	7.902	164	126310	21.063	ug/L	99
48) 2-Hexanone	8.079	43	144159	48.315	ug/L	97
49) Dibromochloromethane	8.172	129	134298	21.112	ug/L	99
50) 1,2-Dibromoethane	8.278	107	117806	21.123	ug/L	100
51) Chlorobenzene	8.809	112	397741	21.354	ug/L	99
52) Ethylbenzene	8.944	91	666001	22.771	ug/L	100
53) m,p-Xylene	9.069	106	251600	22.894	ug/L	98
54) o-Xylene	9.474	106	231860	22.373	ug/L	99
55) Styrene	9.493	104	423884	23.194	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	109137	20.970	ug/L	99
59) Bromoform	9.664	173	86899	22.469	ug/L	99
60) Isopropylbenzene	9.863	105	643381	24.453	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	112161	23.125	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	441682	23.151	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	484253	23.558	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	307022	22.220	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	313218	21.962	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	282438	21.722	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	25669	23.667	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	214450	20.749	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	171744	21.104	ug/L	100
71) Naphthalene	13.435	128	293741	22.118	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	163017	21.952	ug/L	98

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

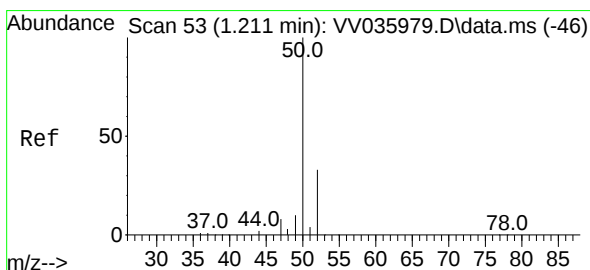
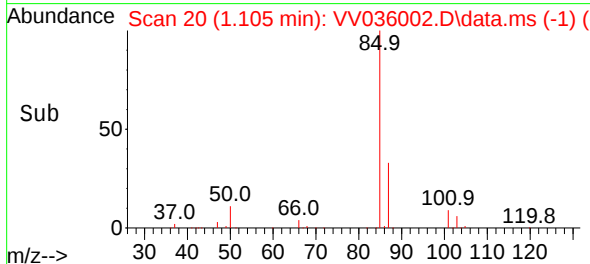
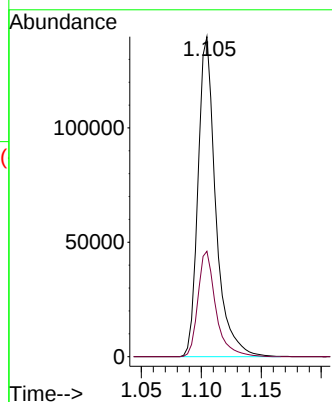


#2
 Dichlorodifluoromethane
 Concen: 19.139 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

Instrument :
 MSVOA_V
 ClientSampleId :

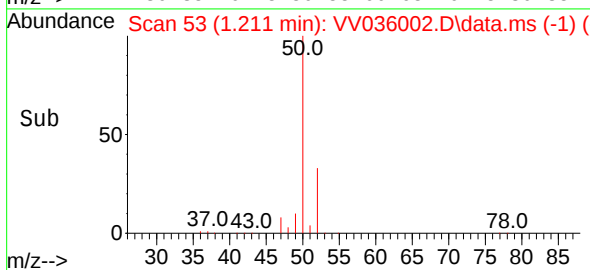
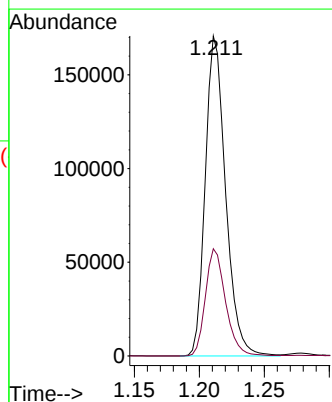
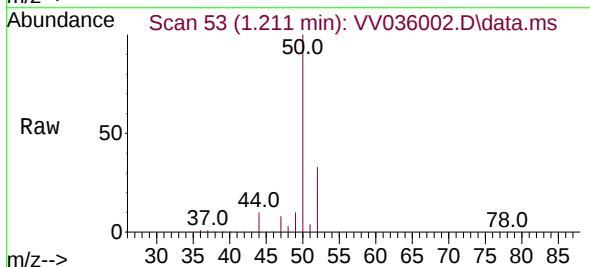


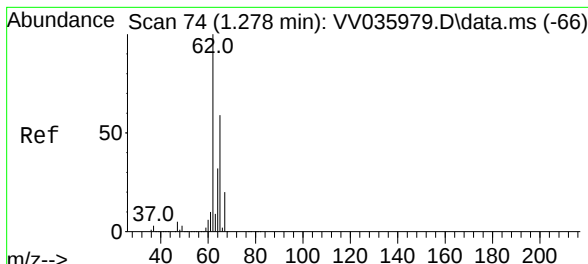
Tgt Ion: 85 Resp: 144191
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.9 38.9



#3
 Chloromethane
 Concen: 21.532 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

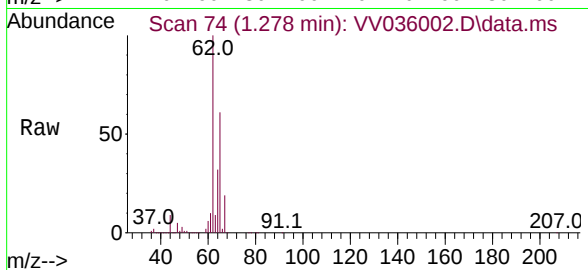
Tgt Ion: 50 Resp: 186164
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.8 42.4



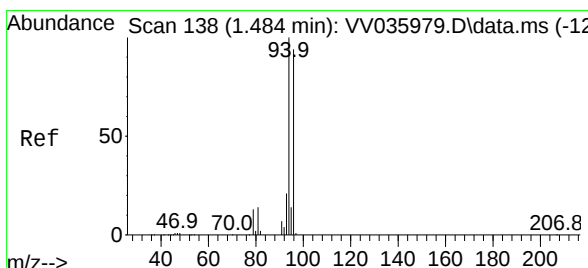
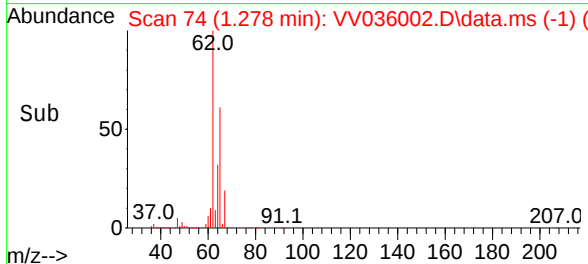
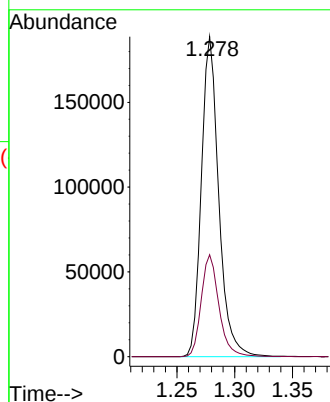


#5
 Vinyl chloride
 Concen: 21.646 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

Instrument :
 MSVOA_V
 ClientSampleId :

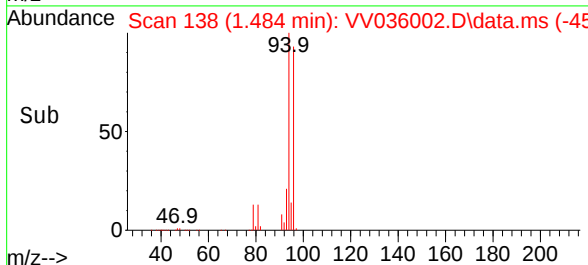
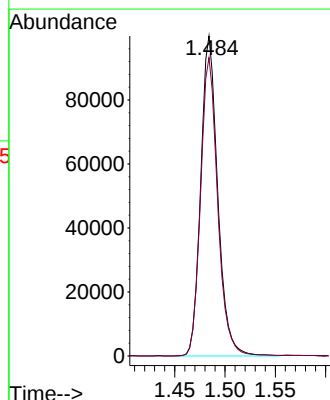
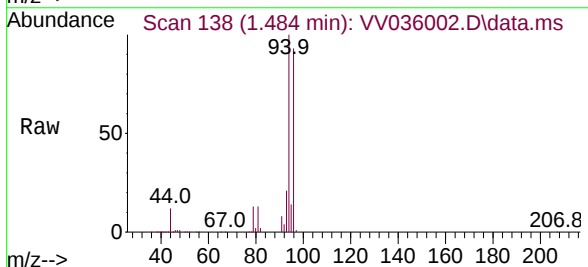


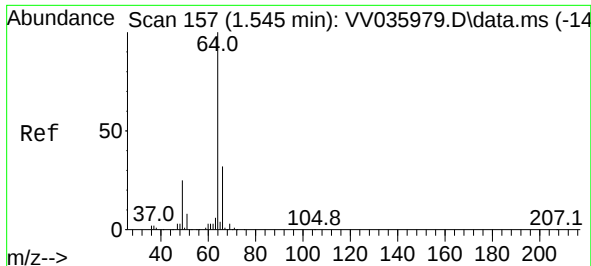
Tgt Ion: 62 Resp: 197024
 Ion Ratio Lower Upper
 62 100
 64 31.8 22.9 42.5



#6
 Bromomethane
 Concen: 20.825 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

Tgt Ion: 94 Resp: 117594
 Ion Ratio Lower Upper
 94 100
 96 93.3 65.7 122.1

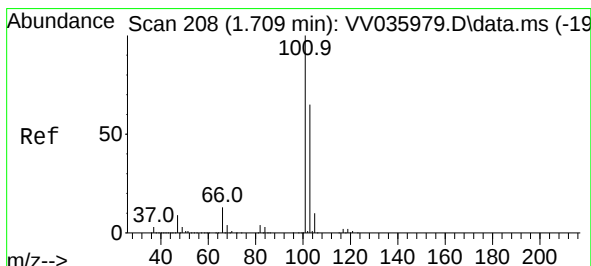
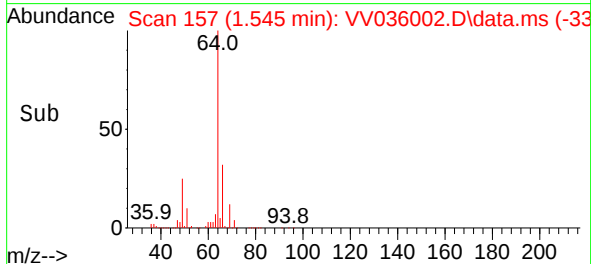
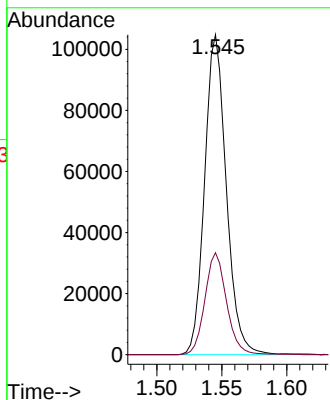
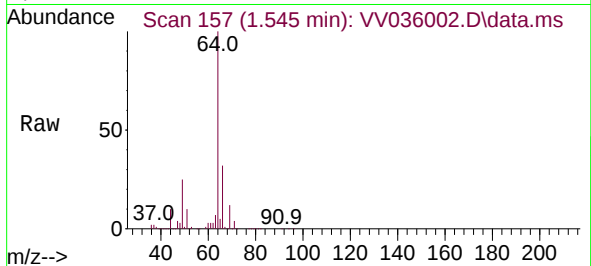




#8
Chloroethane
Concen: 21.503 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

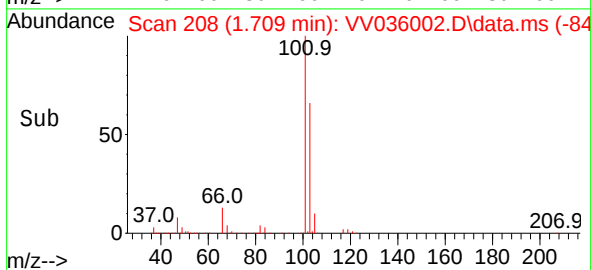
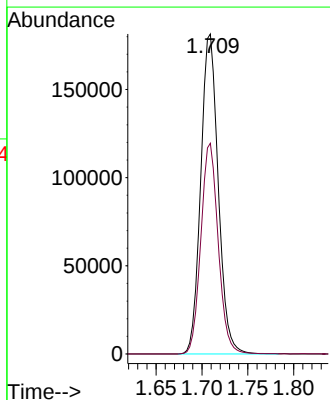
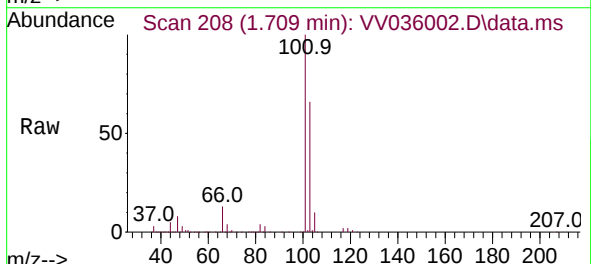
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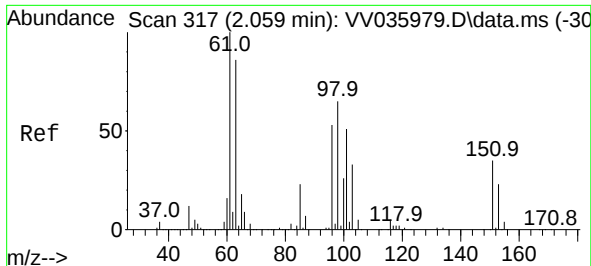
Tgt Ion: 64 Resp: 121658
Ion Ratio Lower Upper
64 100
66 31.9 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.306 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion:101 Resp: 240833
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.8

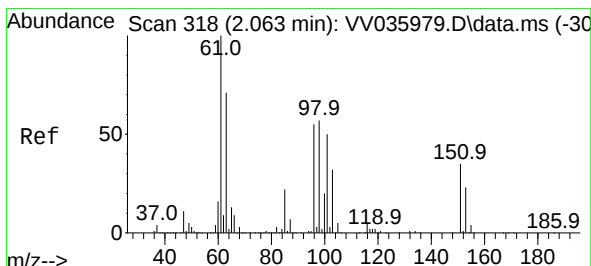
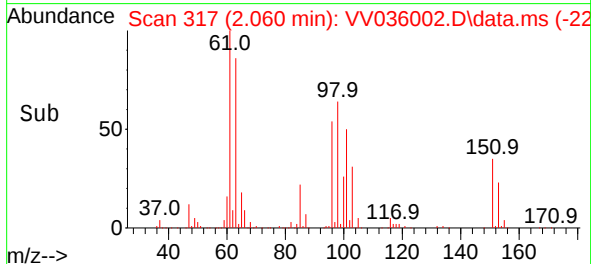
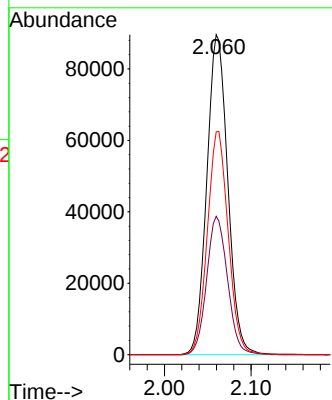
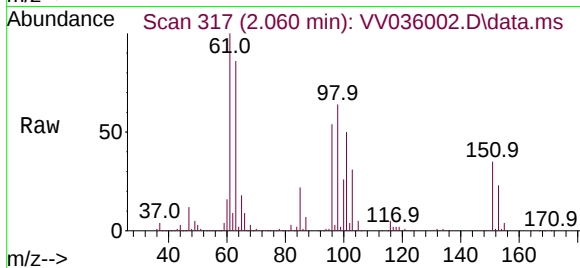




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.998 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

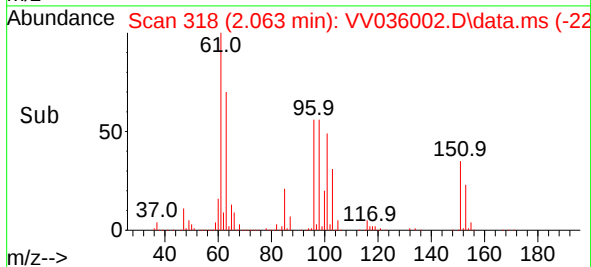
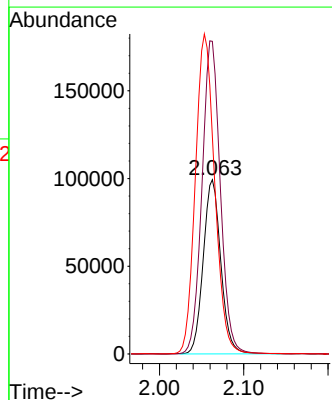
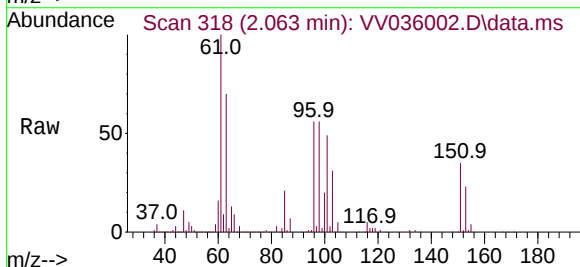
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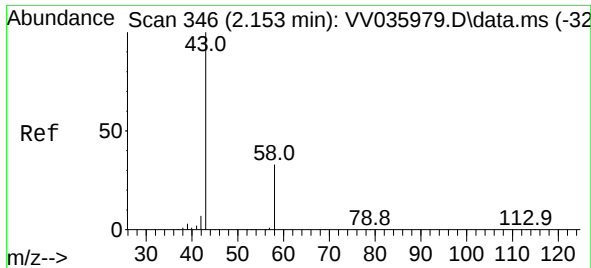
Tgt Ion:101 Resp: 150636
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.5 51.7
 151 69.6 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 21.526 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV036002.D
 Acq: 07 Jun 2024 11:06

Tgt Ion: 96 Resp: 144024
 Ion Ratio Lower Upper
 96 100
 61 179.4 127.3 236.3
 63 124.9 93.7 173.9





#13

Acetone

Concen: 24.046 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.232 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

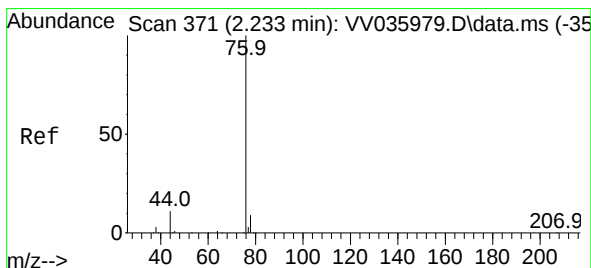
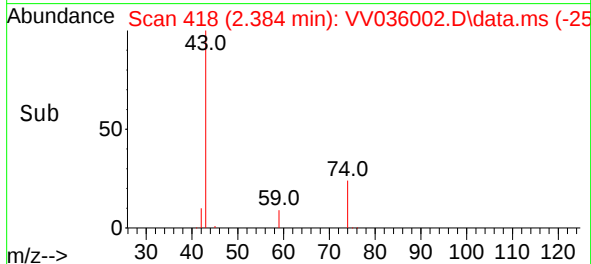
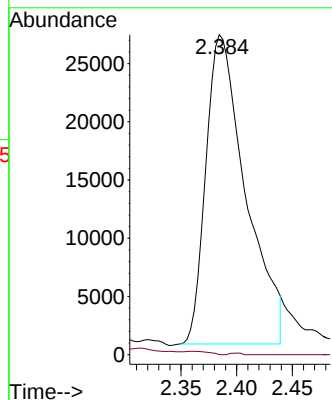
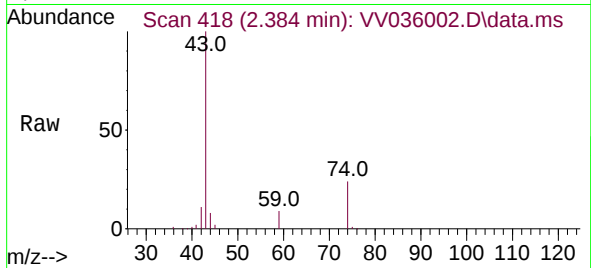
ClientSampleId :

Tgt Ion: 43 Resp: 66015

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 20.656 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV036002.D

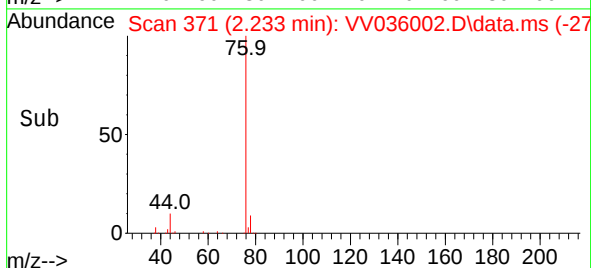
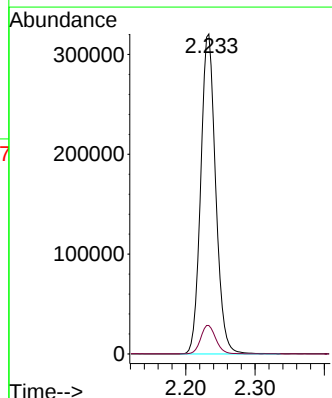
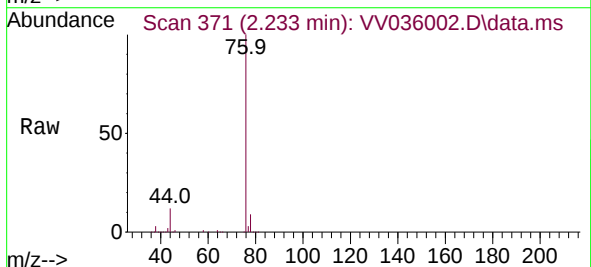
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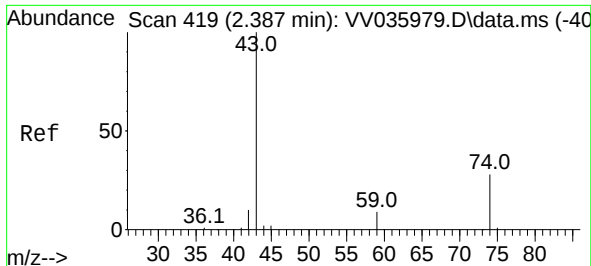
Tgt Ion: 76 Resp: 479934

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 20.563 ug/L

RT: 2.384 min Scan# 419

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

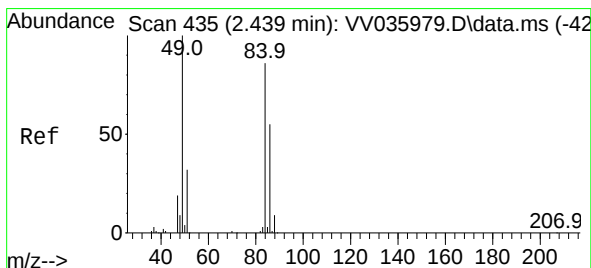
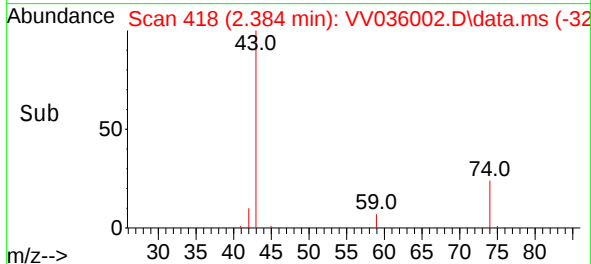
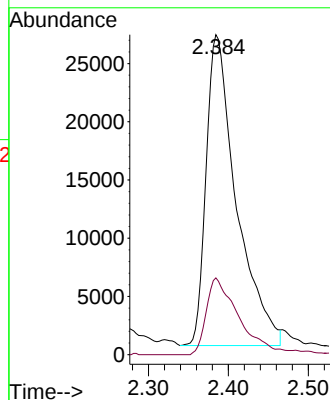
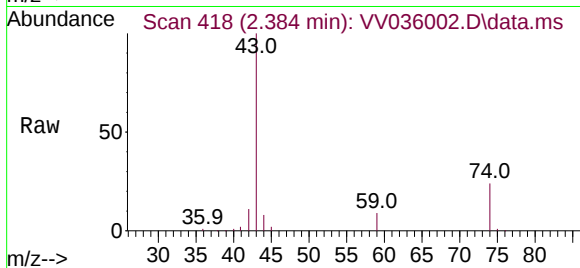
ClientSampleId :

Tgt Ion: 43 Resp: 70172

Ion Ratio Lower Upper

43 100

74 26.0 21.4 32.2



#16

Methylene chloride

Concen: 18.355 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

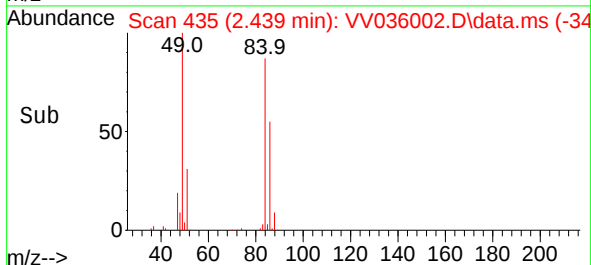
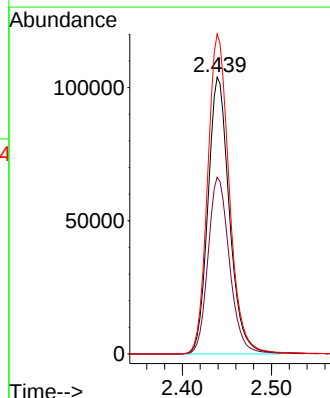
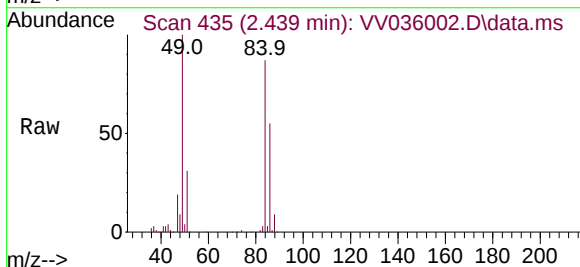
Tgt Ion: 84 Resp: 173538

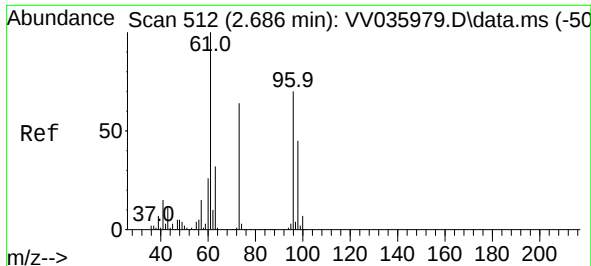
Ion Ratio Lower Upper

84 100

86 63.9 44.6 82.8

49 115.6 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 21.157 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

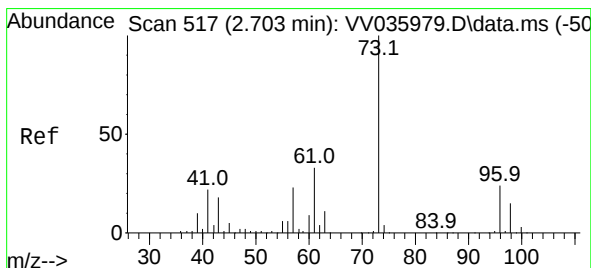
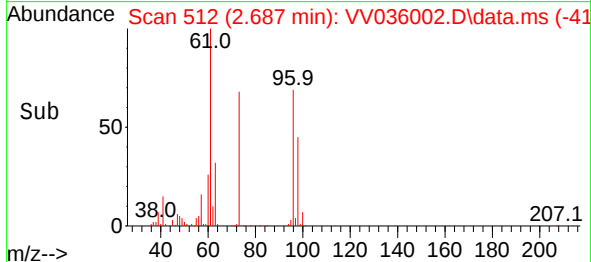
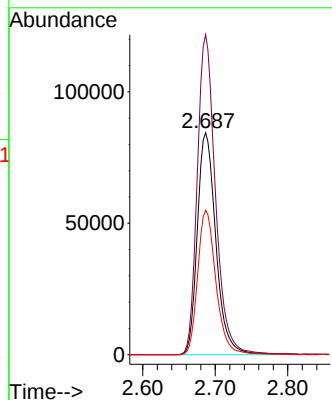
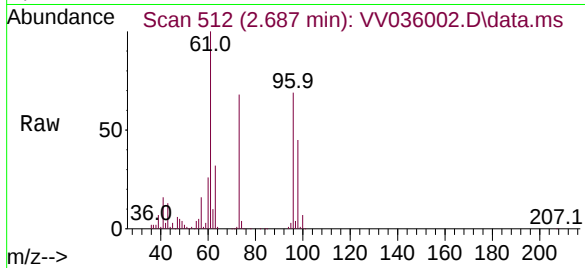
Tgt Ion: 96 Resp: 150372

Ion Ratio Lower Upper

96 100

61 144.1 99.4 184.6

98 65.0 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 20.979 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

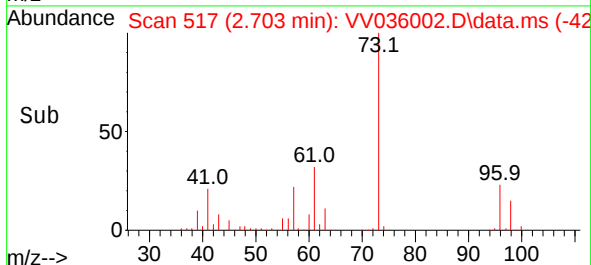
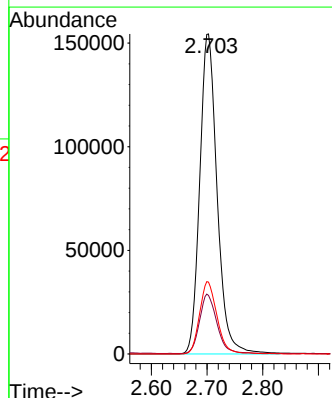
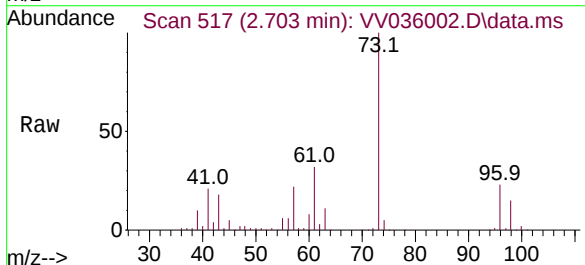
Tgt Ion: 73 Resp: 334738

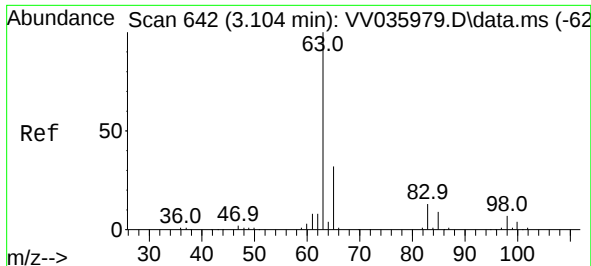
Ion Ratio Lower Upper

73 100

43 18.4 14.3 21.5

57 22.5 17.8 26.6

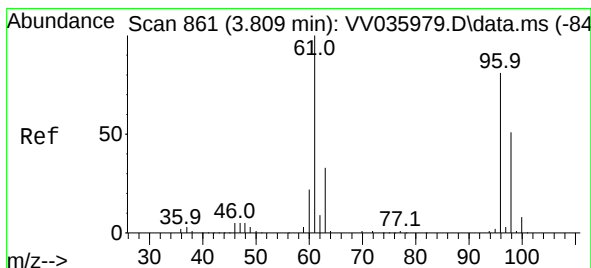
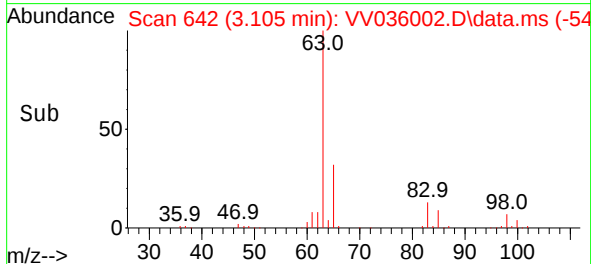
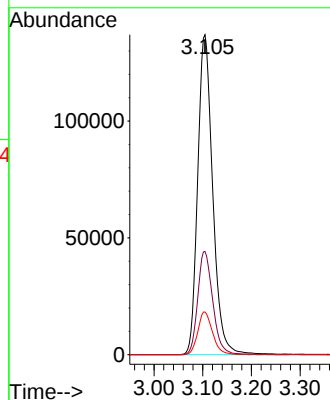
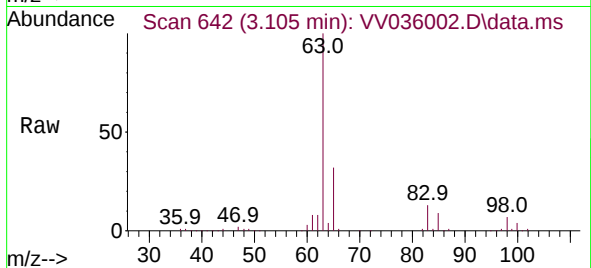




#19
1,1-Dichloroethane
Concen: 21.718 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

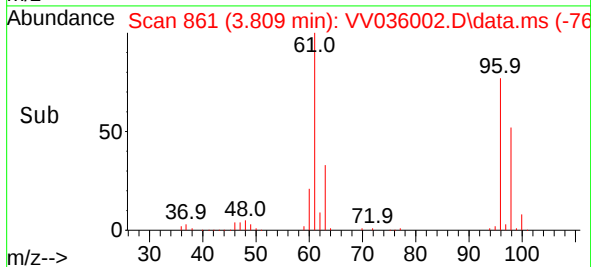
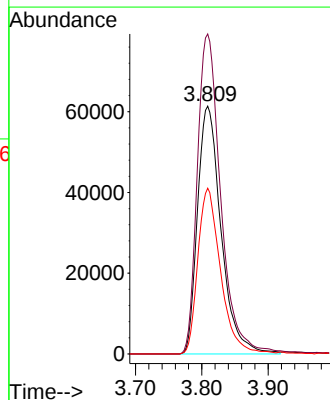
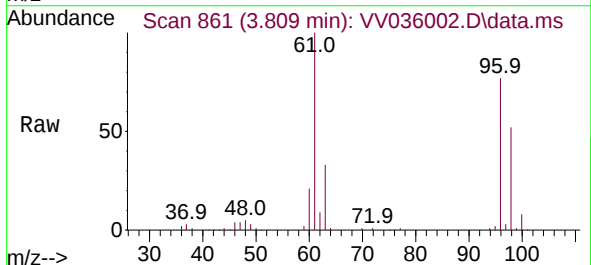
Instrument :
MSVOA_V
ClientSampleId :

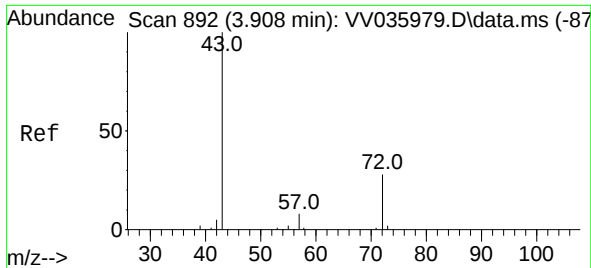
Tgt Ion: 63 Resp: 293954
Ion Ratio Lower Upper
63 100
65 32.3 22.4 41.6
83 13.4 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 21.222 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 96 Resp: 151565
Ion Ratio Lower Upper
96 100
61 129.1 87.9 163.3
98 66.9 44.4 82.5

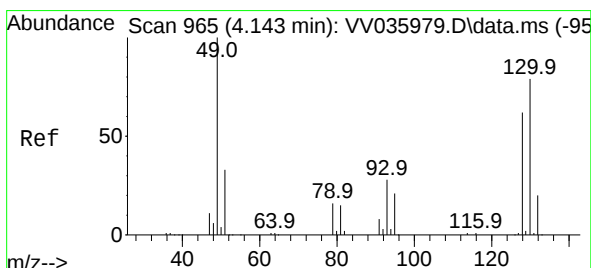
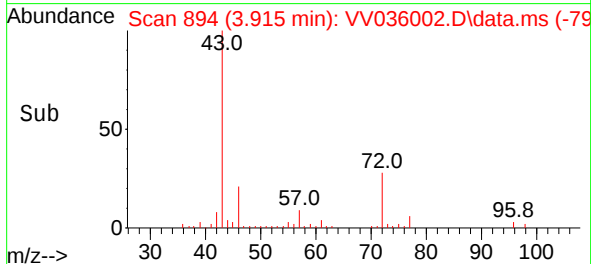
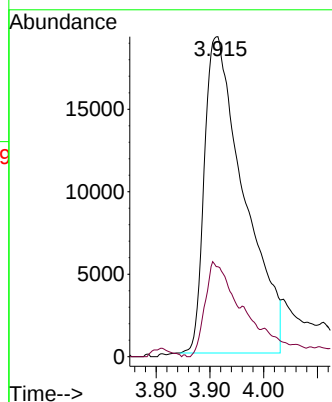
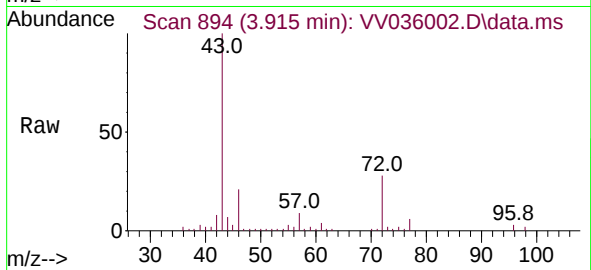




#22
2-Butanone
Concen: 42.114 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.007 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

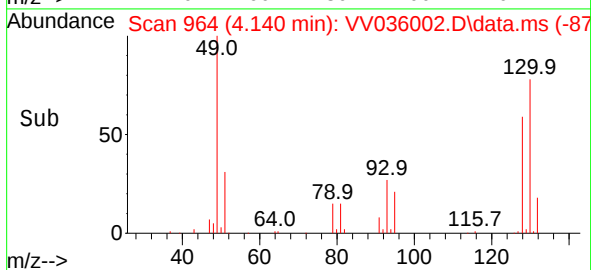
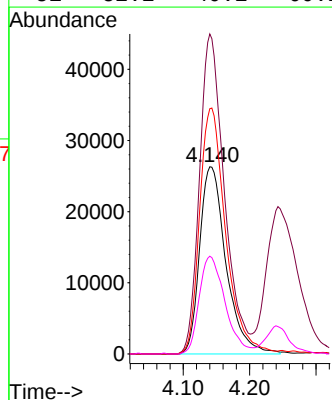
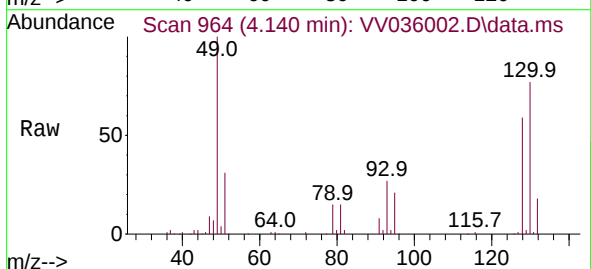
Instrument :
MSVOA_V
ClientSampleId :

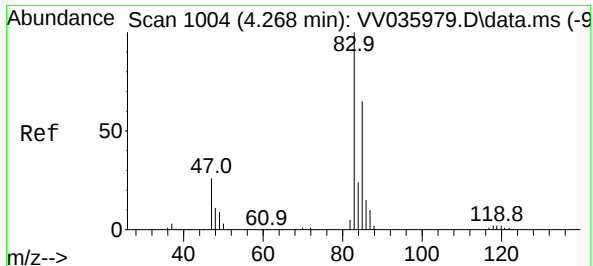
Tgt Ion: 43 Resp: 98106
Ion Ratio Lower Upper
43 100
72 19.6 8.2 24.4



#23
Bromochloromethane
Concen: 20.289 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion:128 Resp: 72681
Ion Ratio Lower Upper
128 100
49 170.9 110.2 204.6
130 131.0 90.2 167.4
51 52.2 40.2 60.2





#25

Chloroform

Concen: 20.973 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

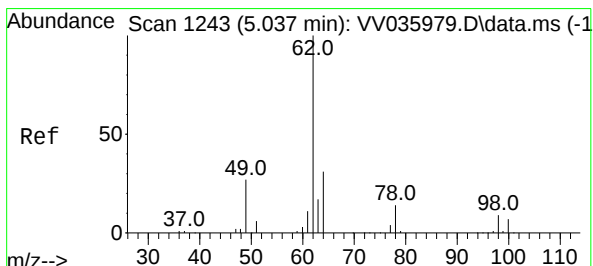
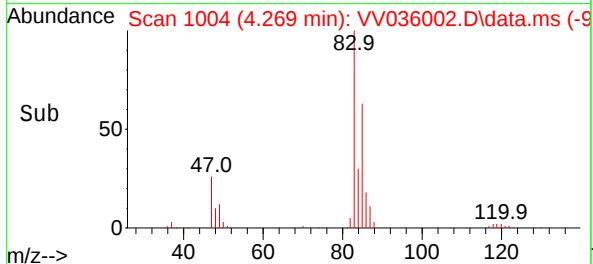
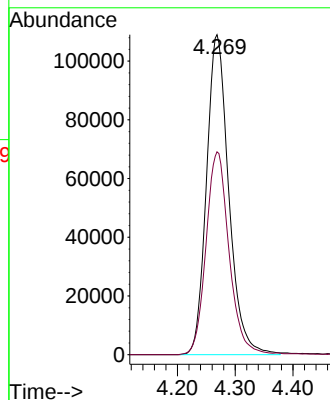
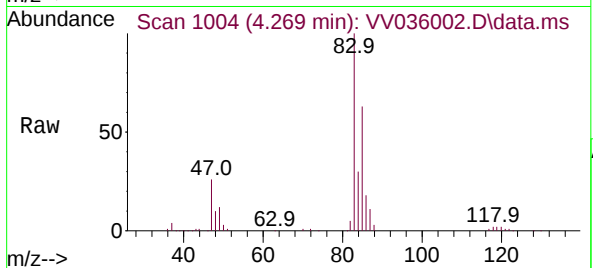
ClientSampleId :

Tgt Ion: 83 Resp: 292018

Ion Ratio Lower Upper

83 100

85 63.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 20.386 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036002.D

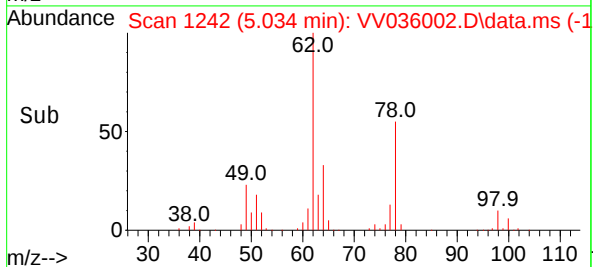
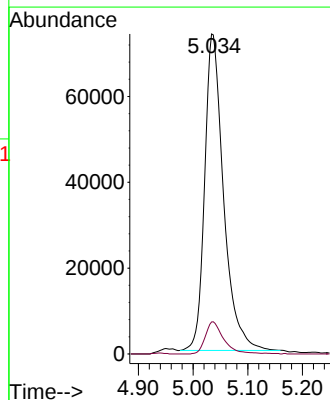
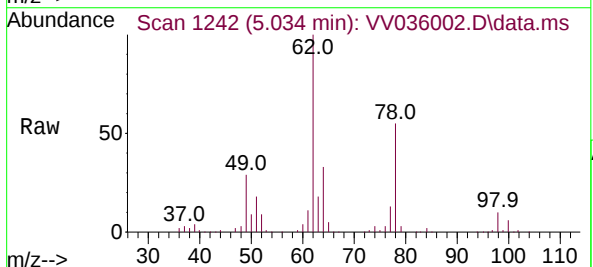
Acq: 07 Jun 2024 11:06

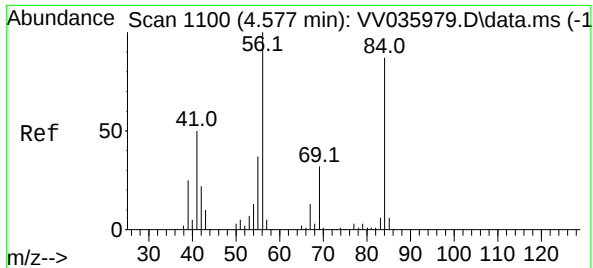
Tgt Ion: 62 Resp: 177205

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6





#29

Cyclohexane

Concen: 22.906 ug/L

RT: 4.574 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

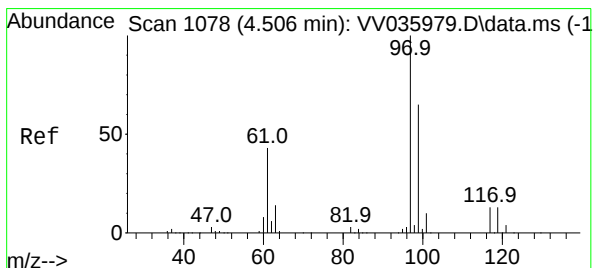
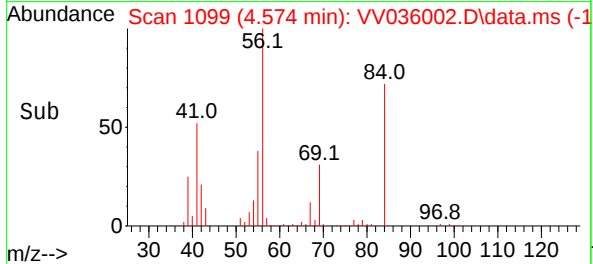
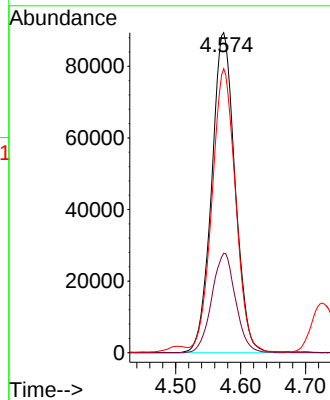
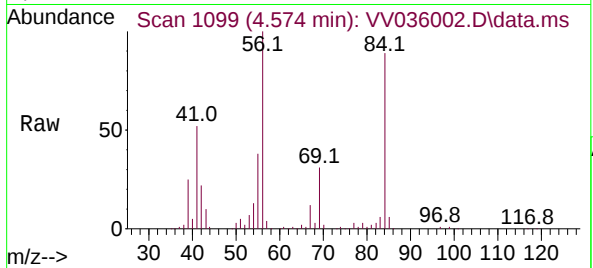
Tgt Ion: 56 Resp: 223089

Ion Ratio Lower Upper

56 100

69 31.6 25.2 37.8

84 89.3 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 22.099 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

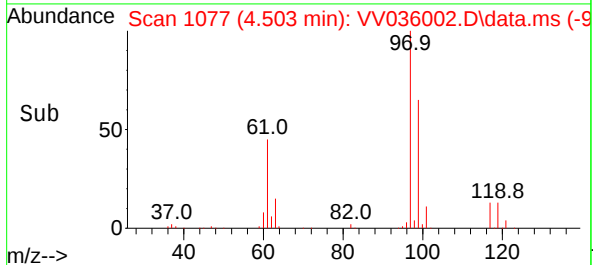
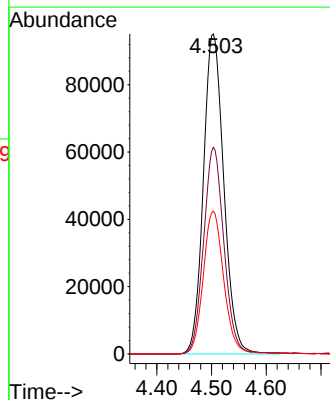
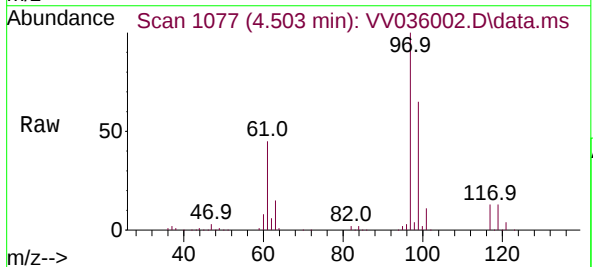
Tgt Ion: 97 Resp: 247126

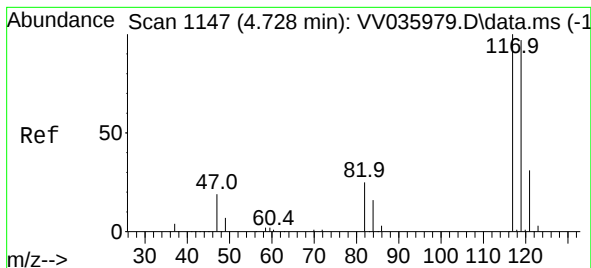
Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

61 44.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 22.077 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

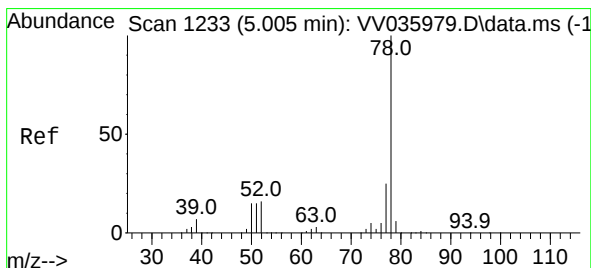
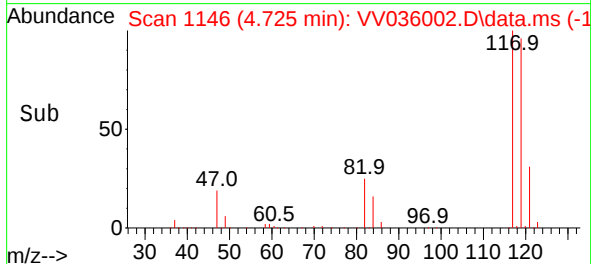
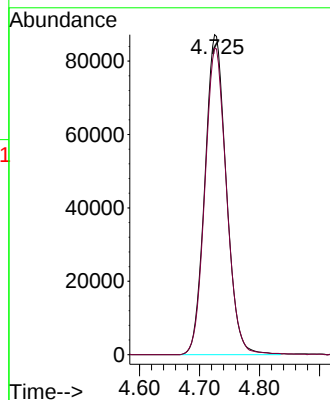
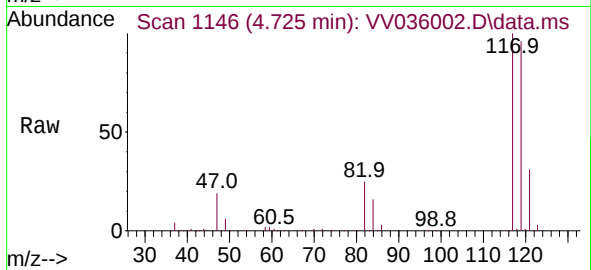
ClientSampleId :

Tgt Ion:117 Resp: 216581

Ion Ratio Lower Upper

117 100

119 96.6 76.8 115.2



#33

Benzene

Concen: 22.798 ug/L

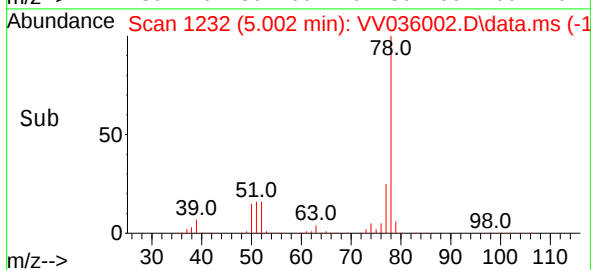
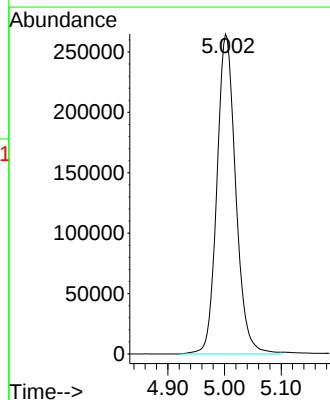
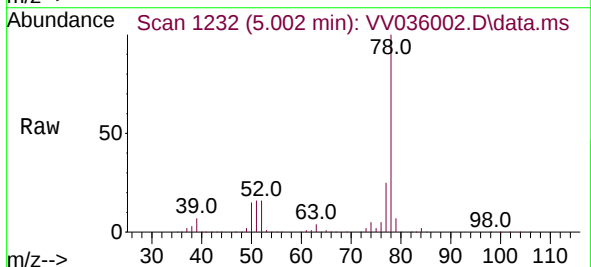
RT: 5.002 min Scan# 1232

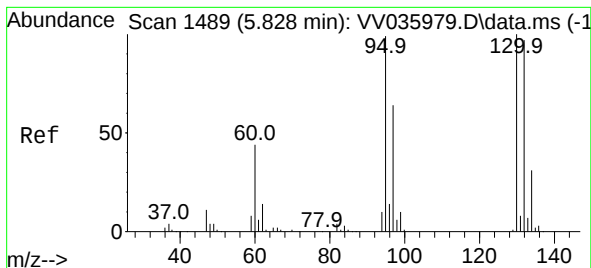
Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Tgt Ion: 78 Resp: 609917





#34

Trichloroethene

Concen: 22.262 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 182536

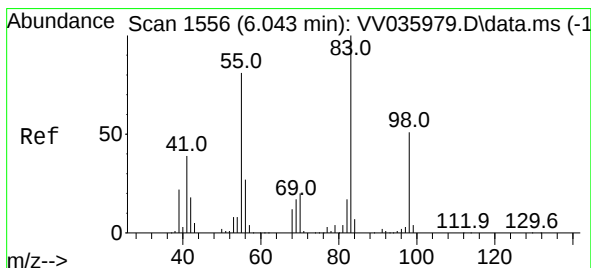
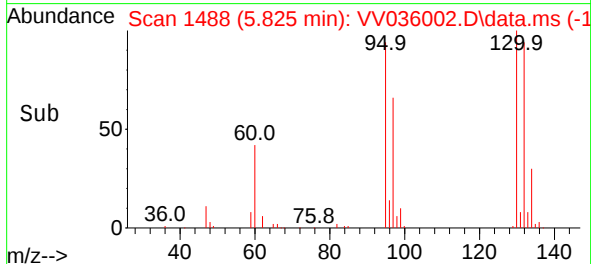
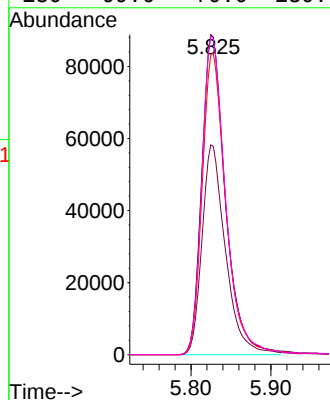
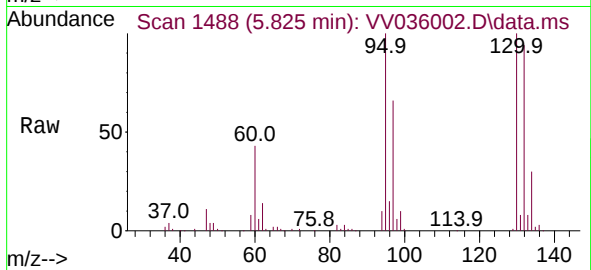
Ion Ratio Lower Upper

95 100

97 65.6 44.8 83.2

132 93.8 66.8 124.2

130 99.6 70.0 130.0



#35

Methylcyclohexane

Concen: 22.070 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

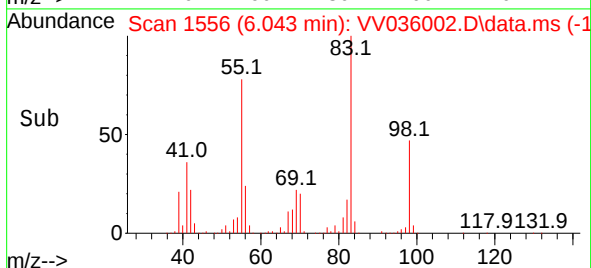
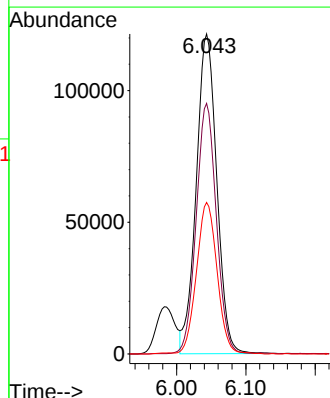
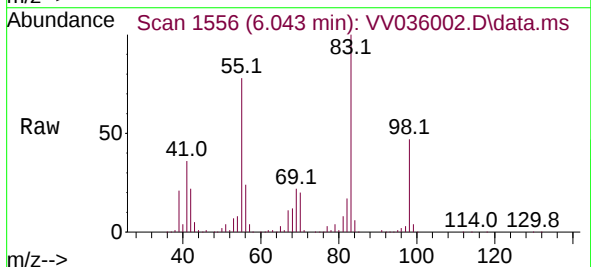
Tgt Ion: 83 Resp: 250252

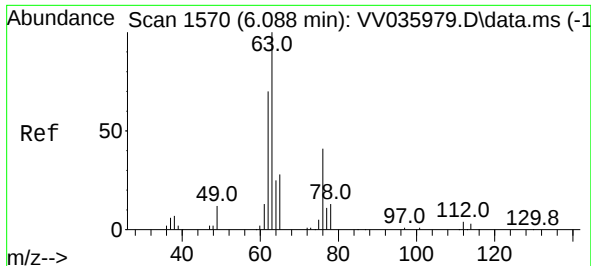
Ion Ratio Lower Upper

83 100

55 77.0 60.7 91.1

98 47.2 38.7 58.1

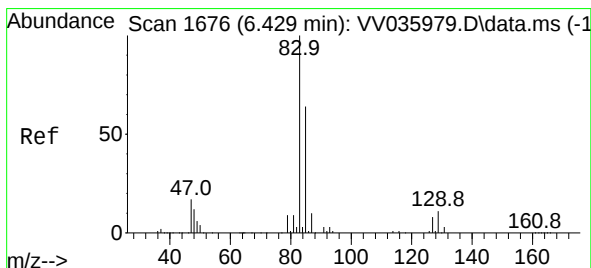
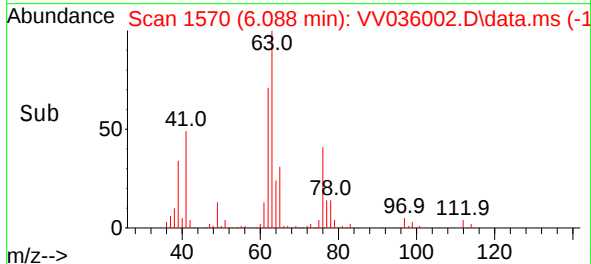
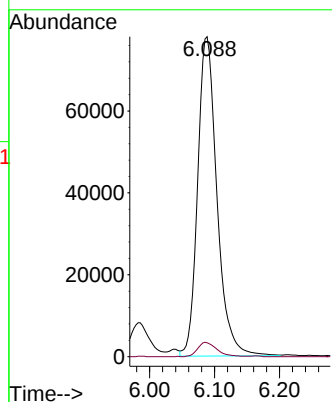
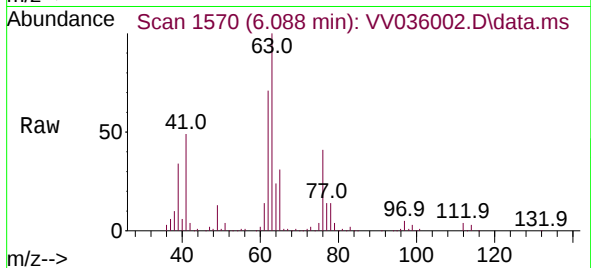




#37
1,2-Dichloropropane
Concen: 23.011 ug/L
RT: 6.088 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

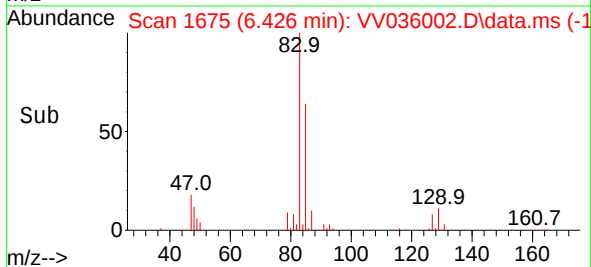
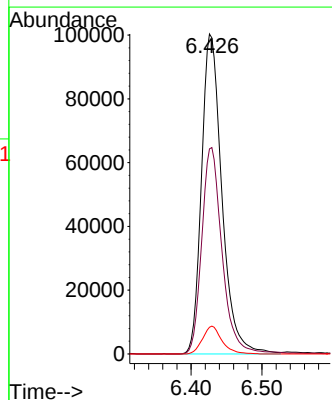
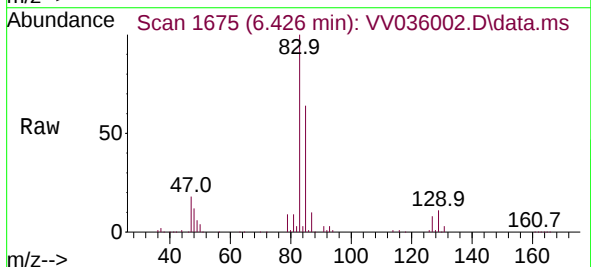
Instrument :
MSVOA_V
ClientSampleId :

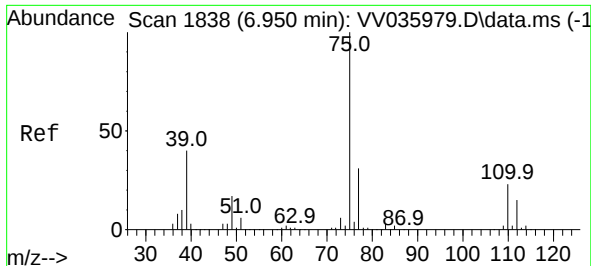
Tgt Ion: 63 Resp: 161647
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 21.590 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 83 Resp: 200737
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1
127 8.3 6.7 10.1

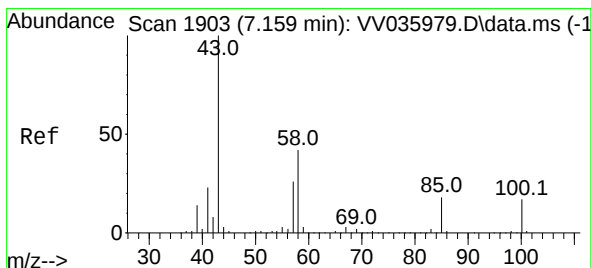
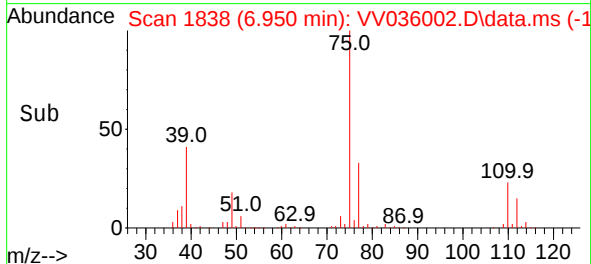
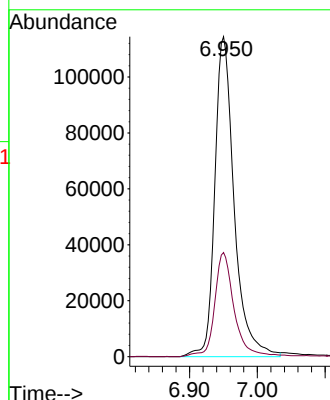
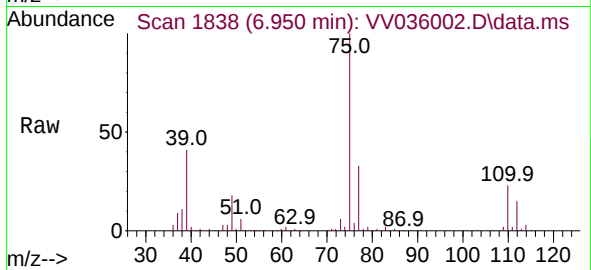




#39
cis-1,3-Dichloropropene
Concen: 21.623 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

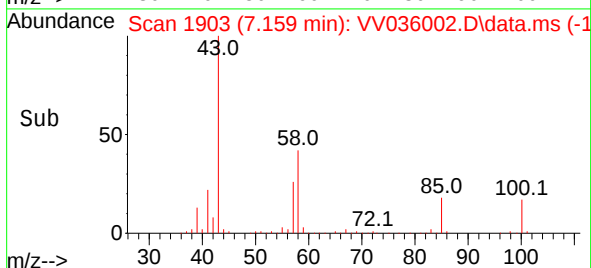
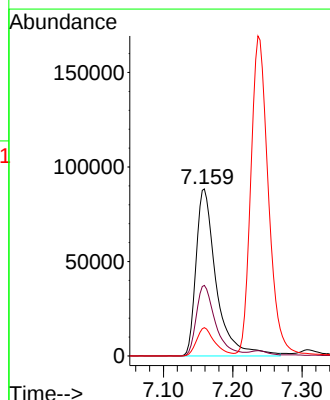
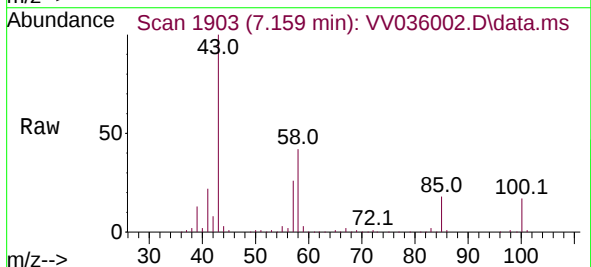
Instrument :
MSVOA_V
ClientSampleId :

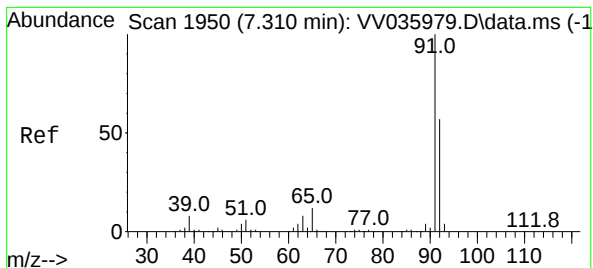
Tgt Ion: 75 Resp: 227187
Ion Ratio Lower Upper
75 100
77 32.5 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 47.145 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 43 Resp: 179933
Ion Ratio Lower Upper
43 100
58 40.0 32.5 48.7
100 15.3 12.5 18.7





#42

Toluene

Concen: 23.350 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

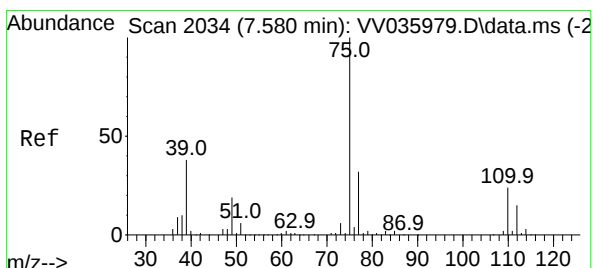
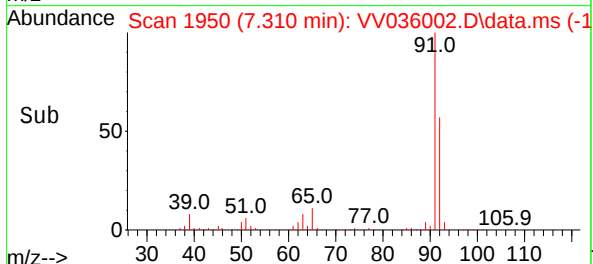
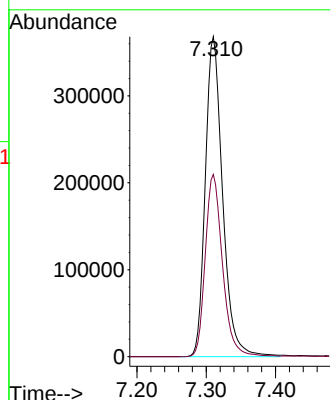
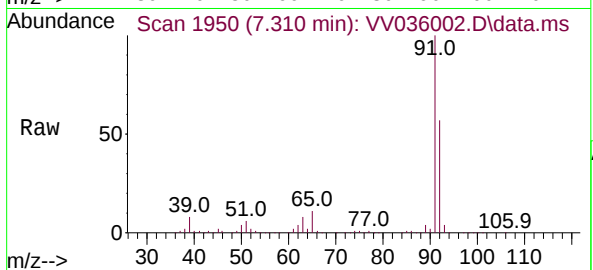
ClientSampleId :

Tgt Ion: 91 Resp: 638298

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 22.372 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV036002.D

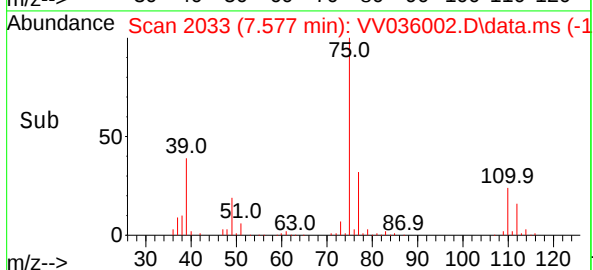
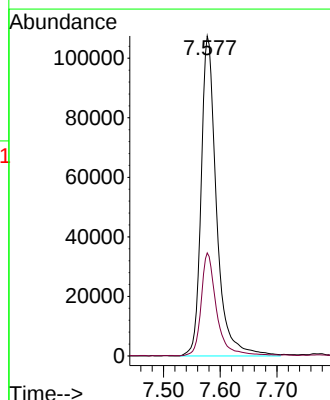
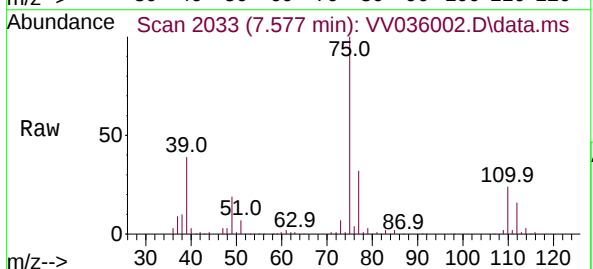
Acq: 07 Jun 2024 11:06

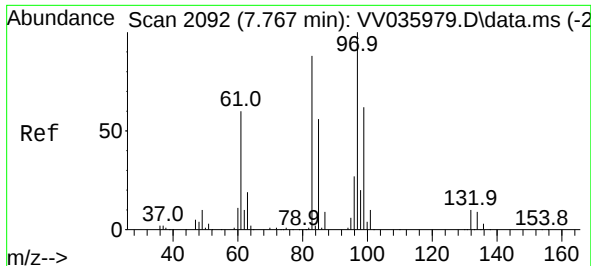
Tgt Ion: 75 Resp: 203034

Ion Ratio Lower Upper

75 100

77 32.2 23.1 42.9



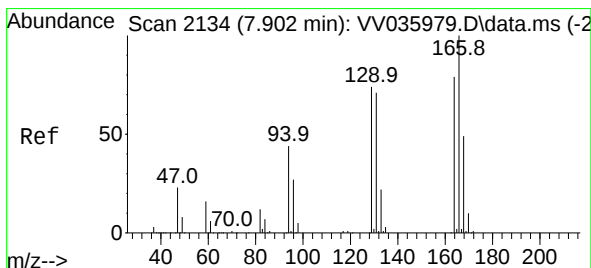
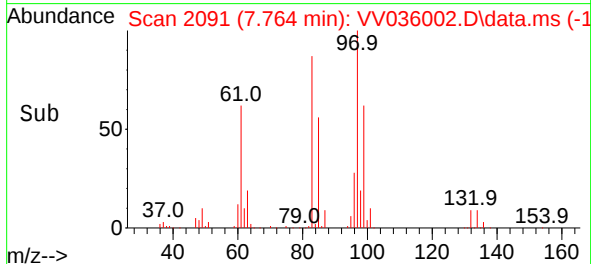
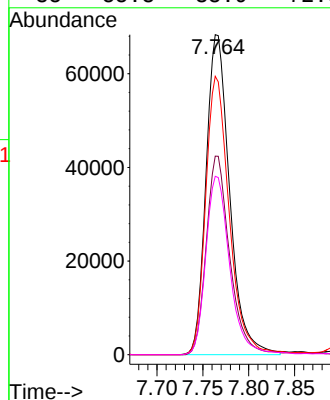
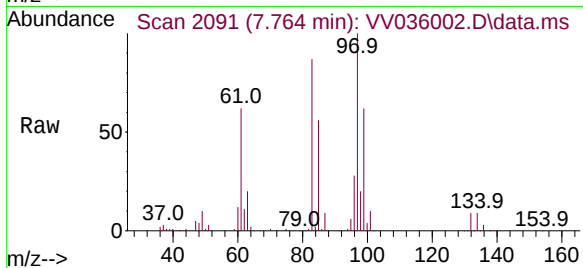


#45
1,1,2-Trichloroethane
Concen: 21.031 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 122240

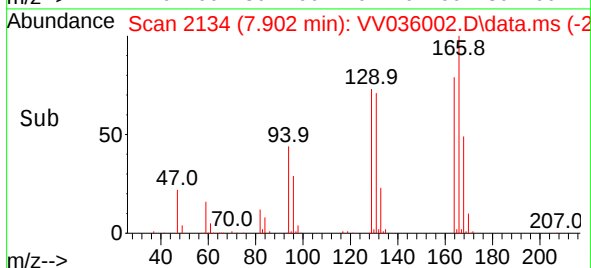
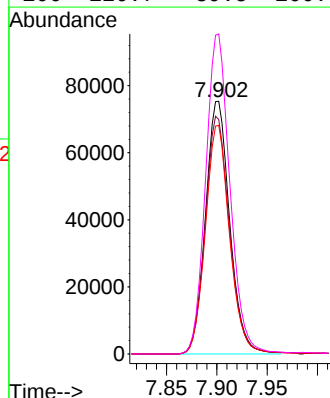
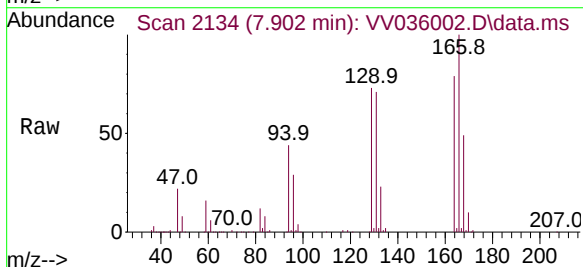
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.5
83	87.0	60.1	111.7
85	55.8	38.9	72.3

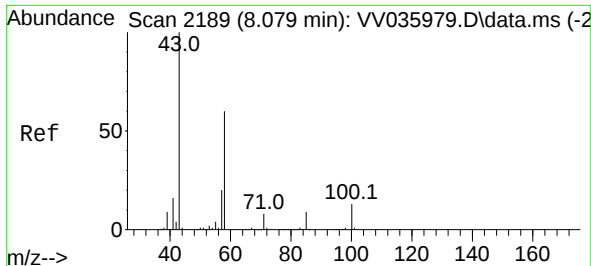


#46
Tetrachloroethene
Concen: 21.063 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 164 Resp: 126310

Ion	Ratio	Lower	Upper
164	100		
129	92.8	64.6	120.0
131	90.5	63.2	117.4
166	126.7	89.5	166.3





#48

2-Hexanone

Concen: 48.315 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 144159

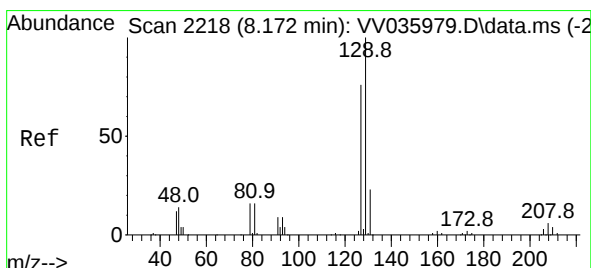
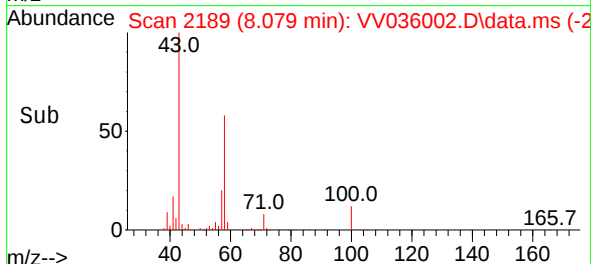
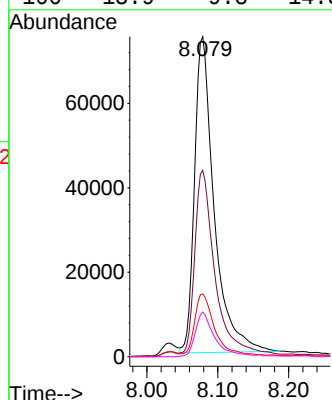
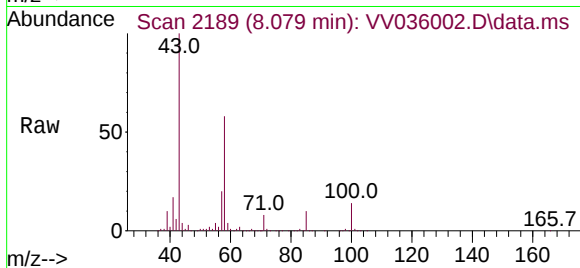
Ion Ratio Lower Upper

43 100

58 60.0 45.4 68.0

57 19.9 15.8 23.8

100 13.9 9.8 14.8



#49

Dibromochloromethane

Concen: 21.112 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036002.D

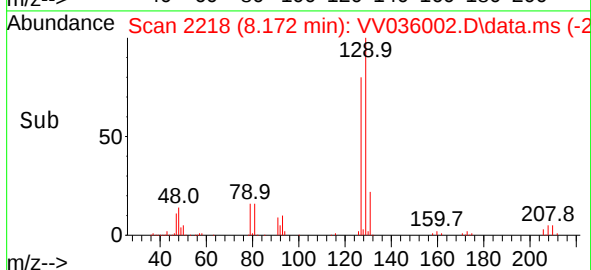
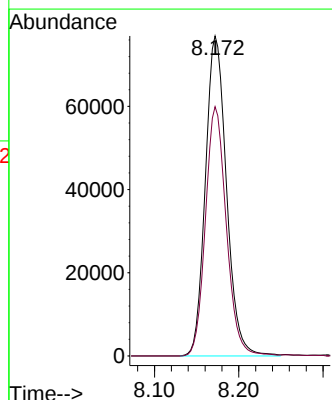
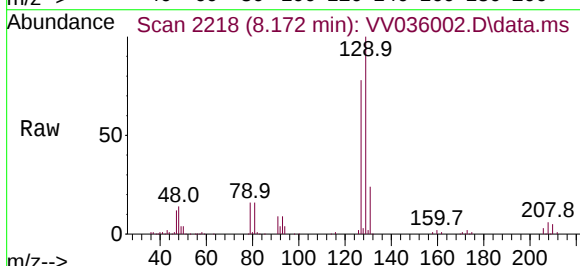
Acq: 07 Jun 2024 11:06

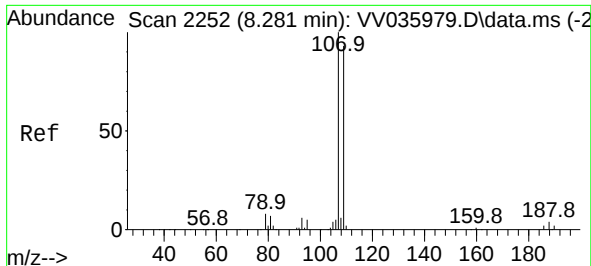
Tgt Ion:129 Resp: 134298

Ion Ratio Lower Upper

129 100

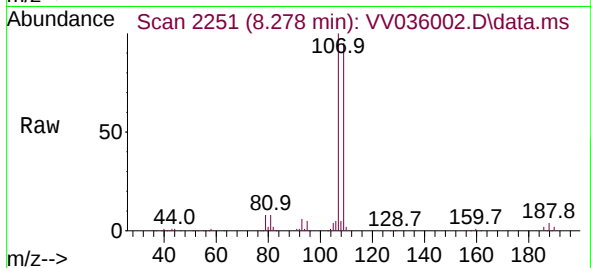
127 77.9 53.9 100.1



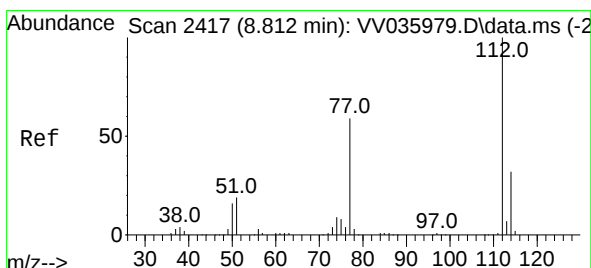
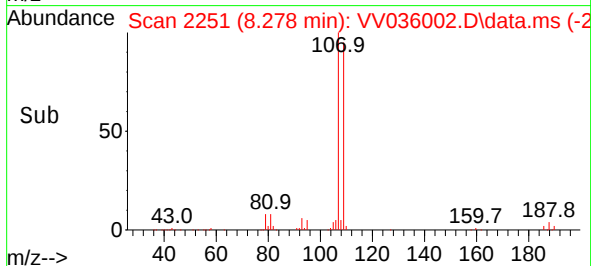
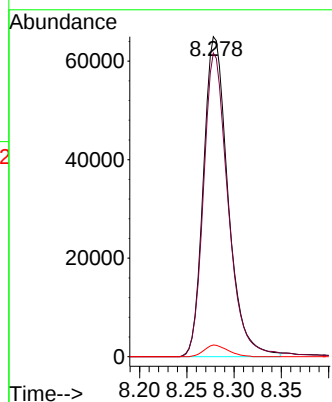


#50
1,2-Dibromoethane
Concen: 21.123 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Instrument :
MSVOA_V
ClientSampleId :

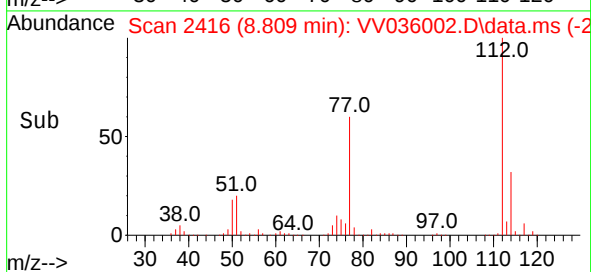
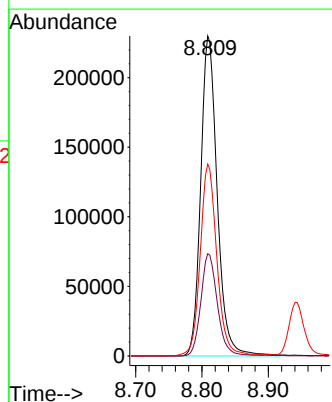
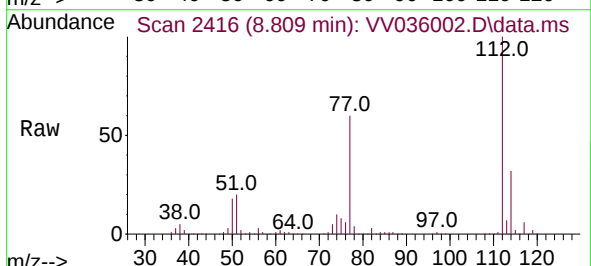


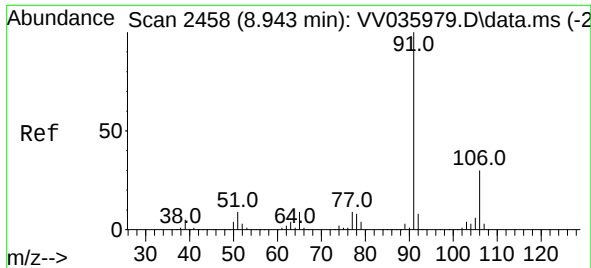
Tgt Ion:107 Resp: 117806
Ion Ratio Lower Upper
107 100
109 94.9 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 21.354 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion:112 Resp: 397741
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 59.9 47.3 70.9

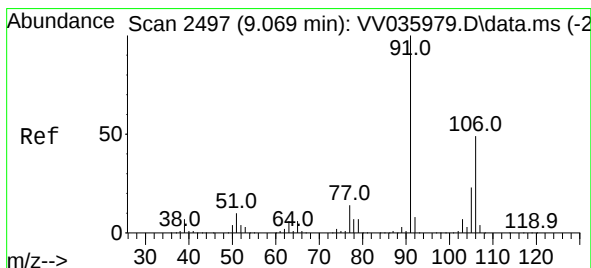
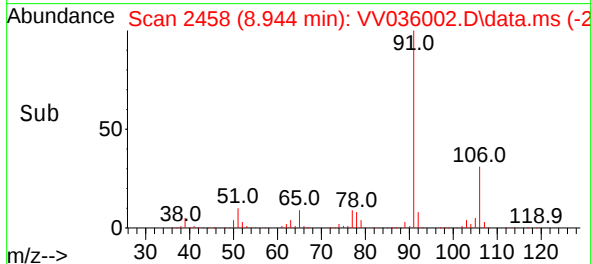
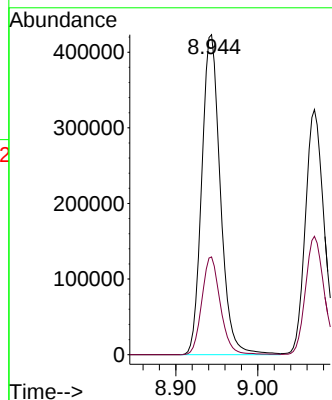
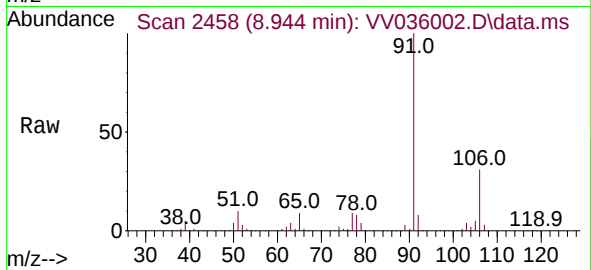




#52
Ethylbenzene
Concen: 22.771 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

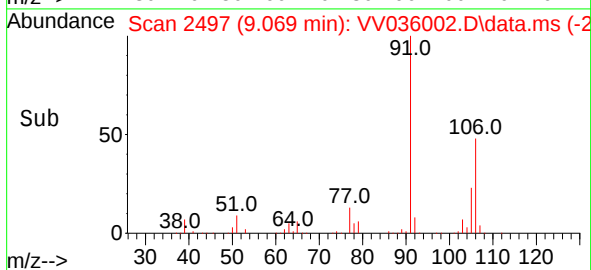
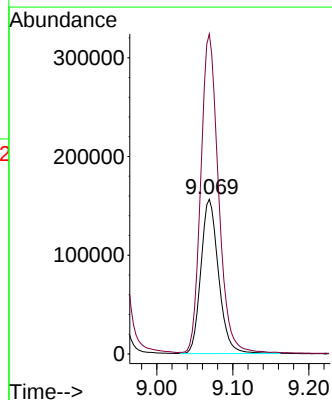
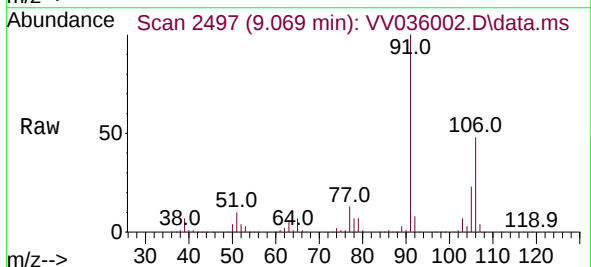
Instrument :
MSVOA_V
ClientSampleId :

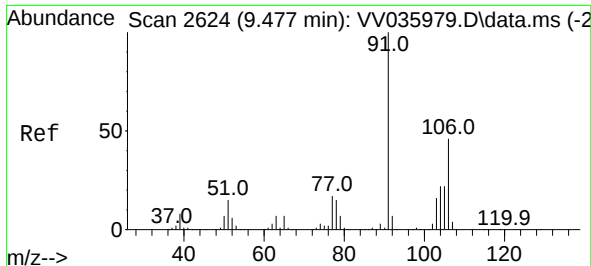
Tgt Ion: 91 Resp: 666001
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 22.894 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 106 Resp: 251600
Ion Ratio Lower Upper
106 100
91 206.9 143.1 265.9

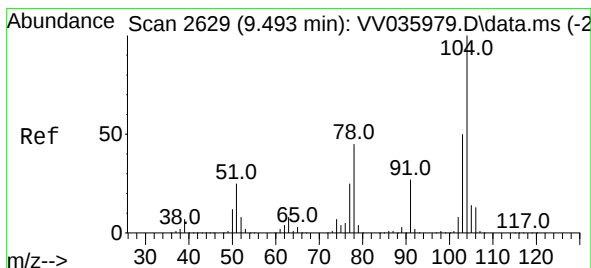
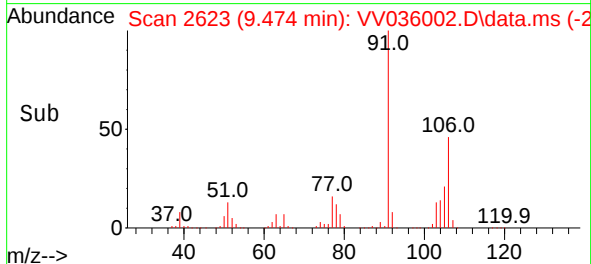
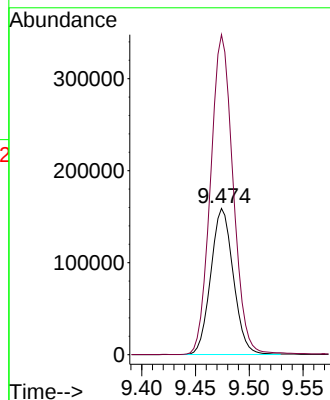
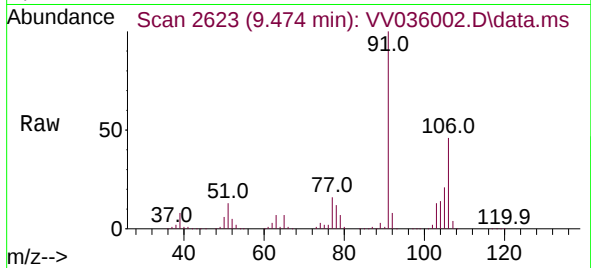




#54
o-Xylene
Concen: 22.373 ug/L
RT: 9.474 min Scan# 2624
Delta R.T. -0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

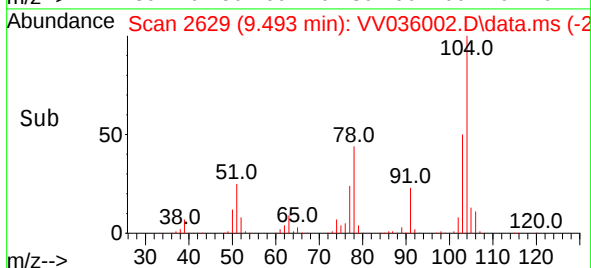
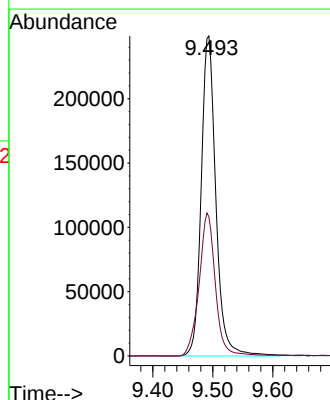
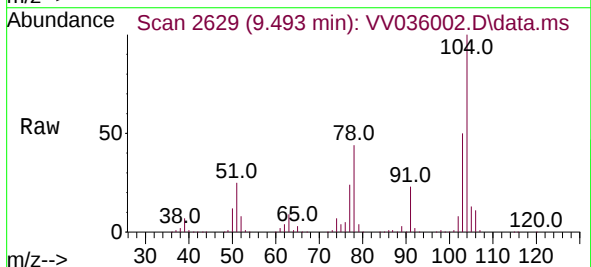
Instrument :
MSVOA_V
ClientSampleId :

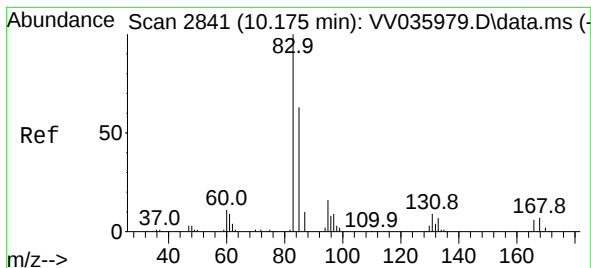
Tgt Ion:106 Resp: 231860
Ion Ratio Lower Upper
106 100
91 218.8 154.5 286.9



#55
Styrene
Concen: 23.194 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion:104 Resp: 423884
Ion Ratio Lower Upper
104 100
78 43.6 31.4 58.2

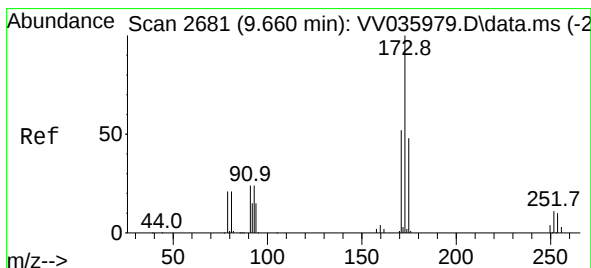
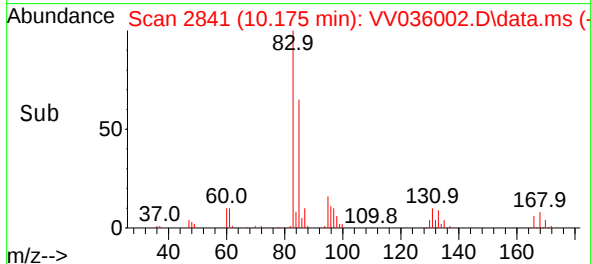
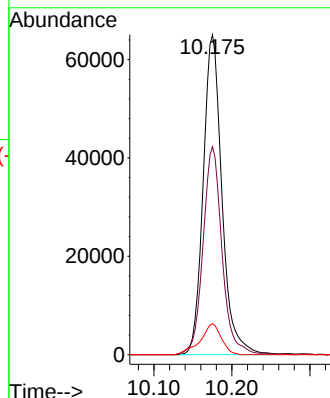
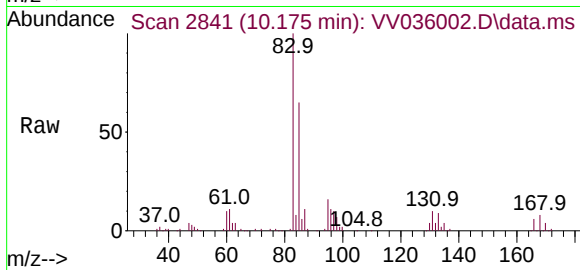




#57
1,1,2,2-Tetrachloroethane
Concen: 20.970 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

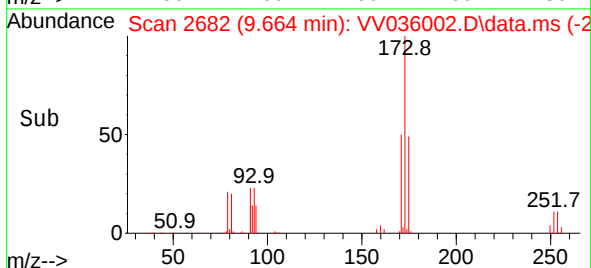
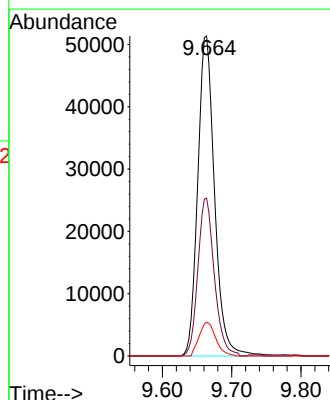
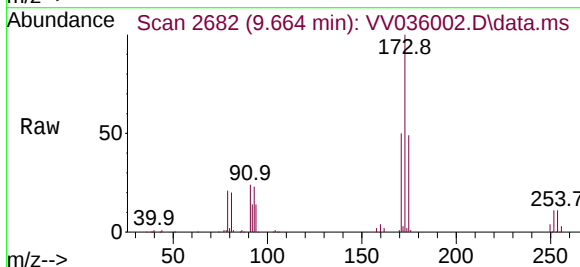
Instrument :
MSVOA_V
ClientSampleId :

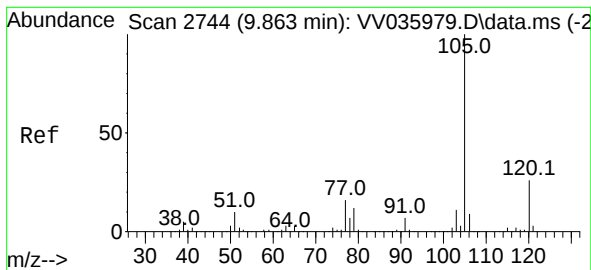
Tgt Ion: 83 Resp: 109137
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7
131 9.7 7.6 11.4



#59
Bromoform
Concen: 22.469 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion: 173 Resp: 86899
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.6
254 10.4 8.6 13.0





#60

Isopropylbenzene

Concen: 24.453 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

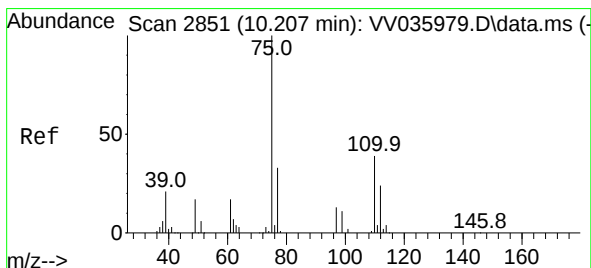
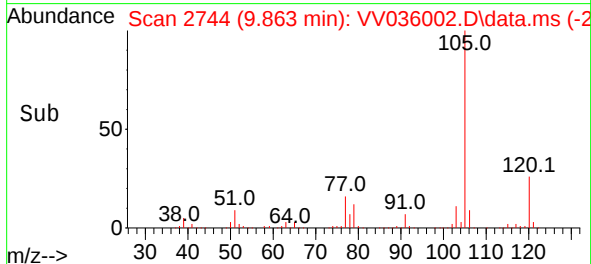
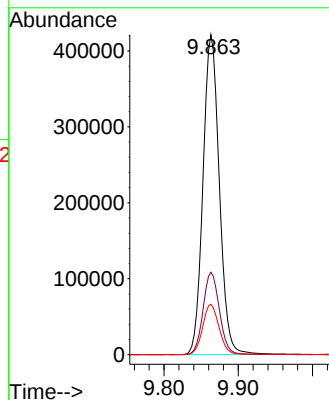
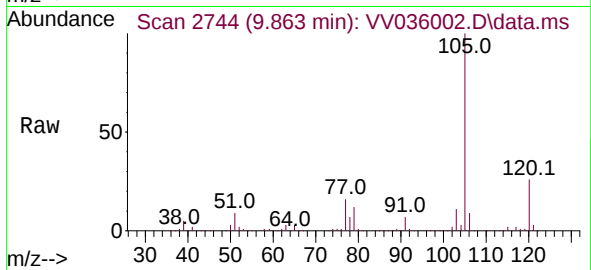
Tgt Ion:105 Resp: 643381

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

77 15.8 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 23.125 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

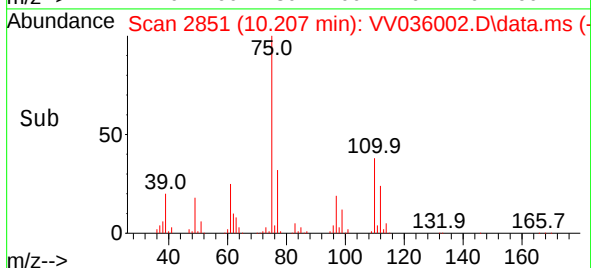
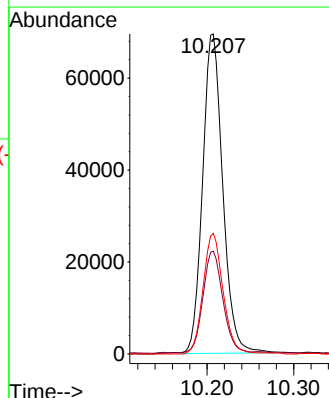
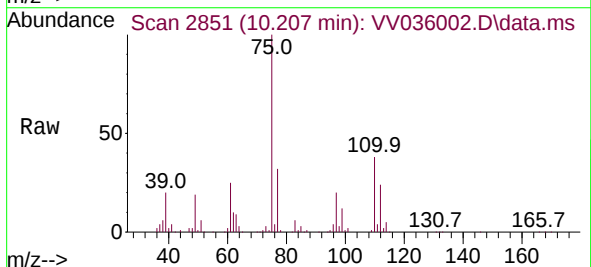
Tgt Ion: 75 Resp: 112161

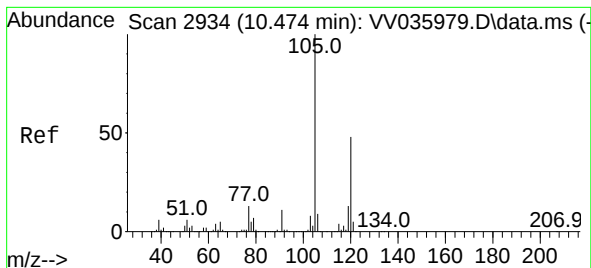
Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0

110 37.5 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 23.151 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

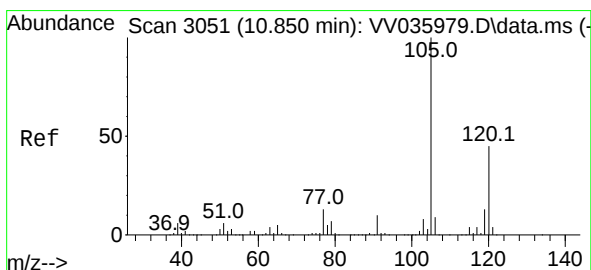
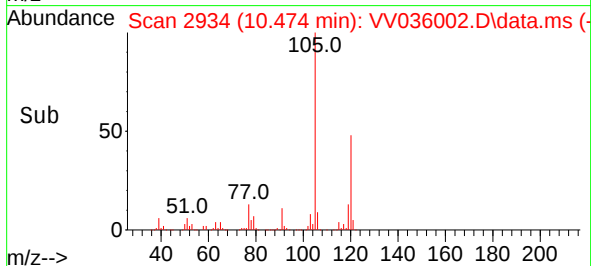
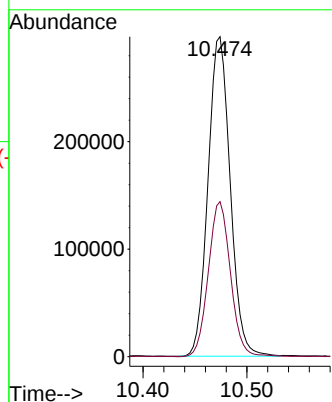
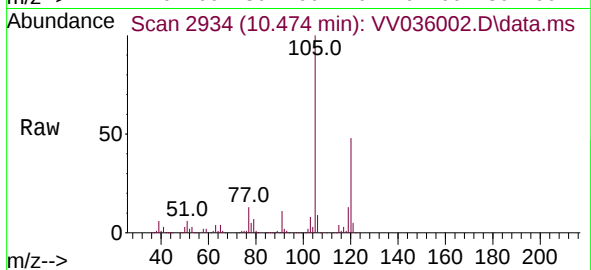
ClientSampleId :

Tgt Ion:105 Resp: 441682

Ion Ratio Lower Upper

105 100

120 48.4 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 23.558 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV036002.D

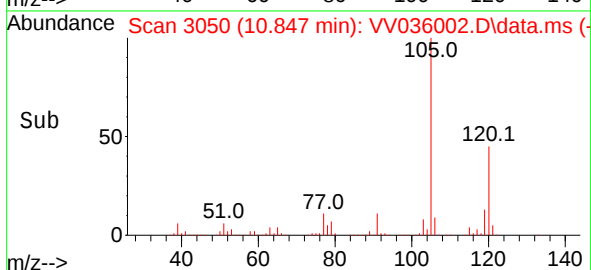
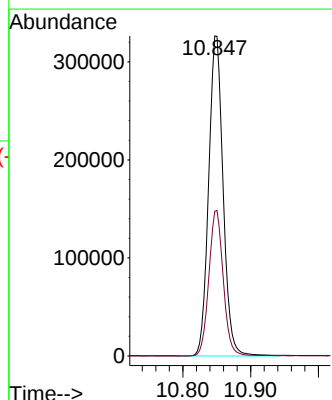
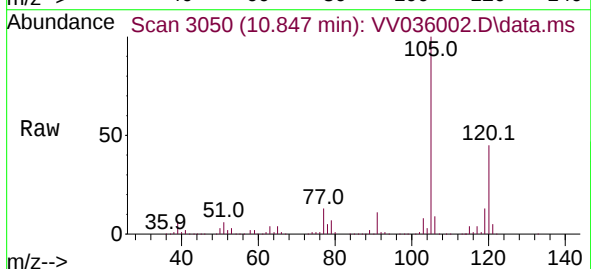
Acq: 07 Jun 2024 11:06

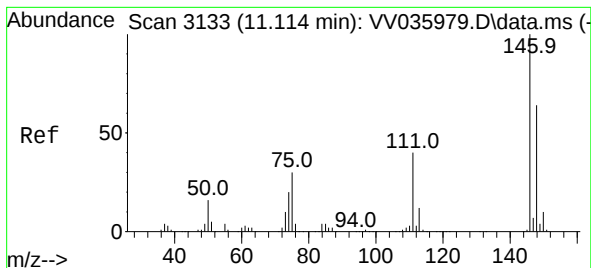
Tgt Ion:105 Resp: 484253

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 22.220 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

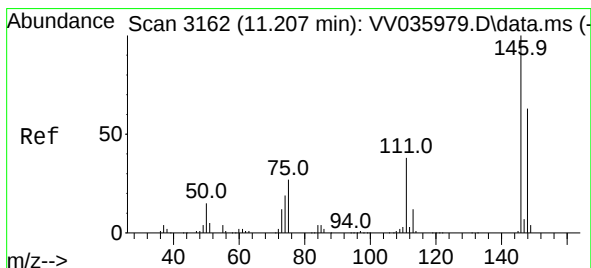
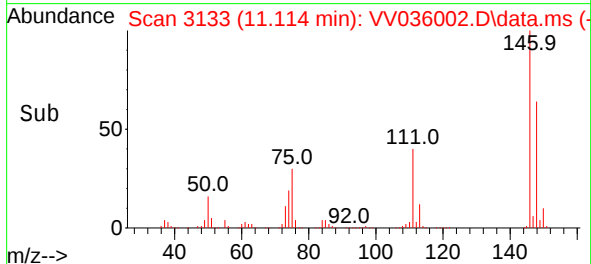
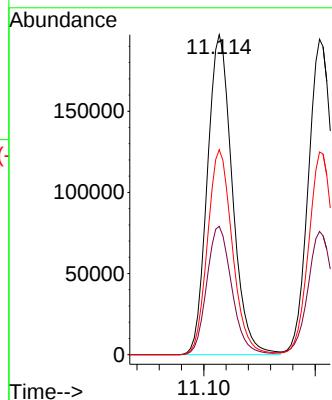
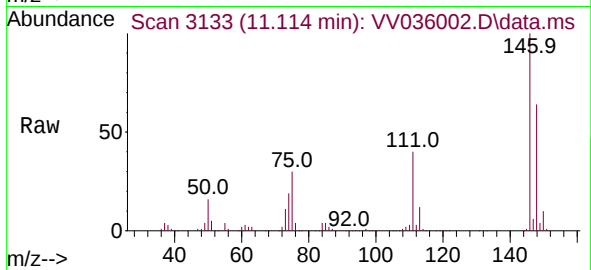
Tgt Ion:146 Resp: 307022

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

148 64.1 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 21.962 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

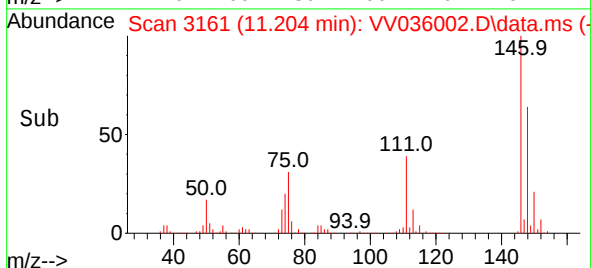
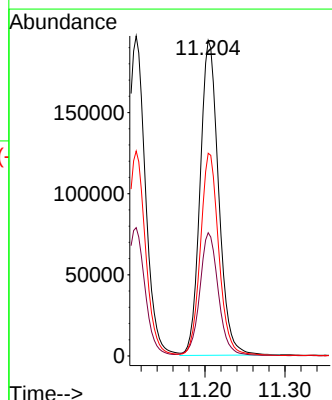
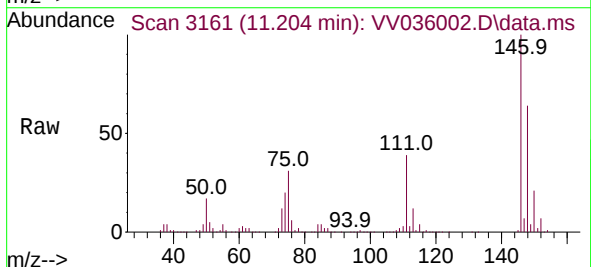
Tgt Ion:146 Resp: 313218

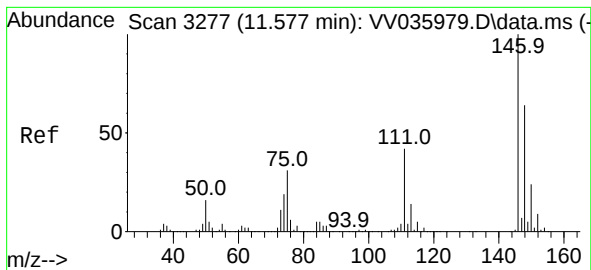
Ion Ratio Lower Upper

146 100

111 39.0 26.9 50.1

148 64.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 21.722 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :

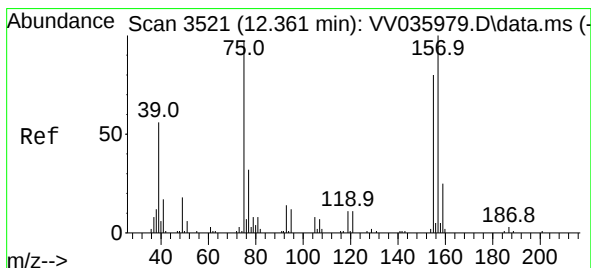
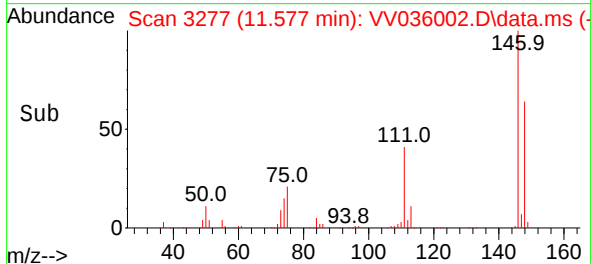
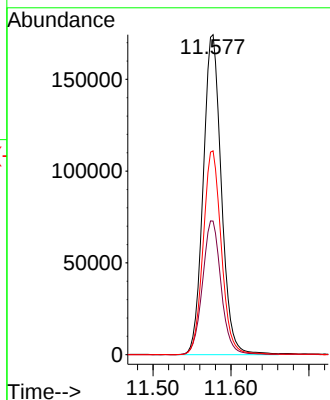
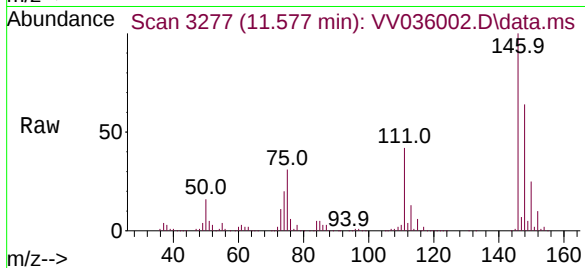
Tgt Ion:146 Resp: 282438

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 63.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 23.667 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

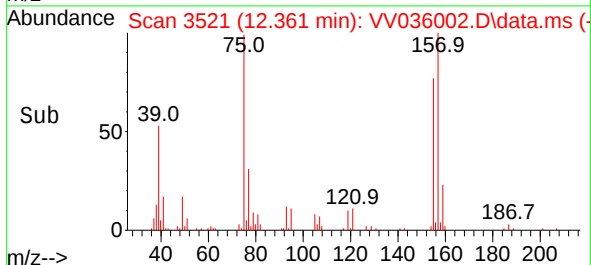
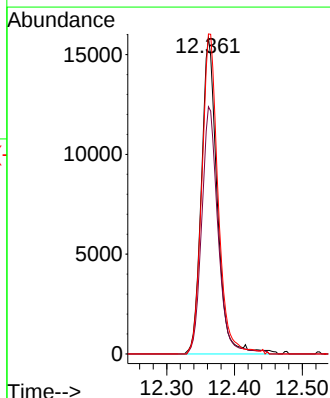
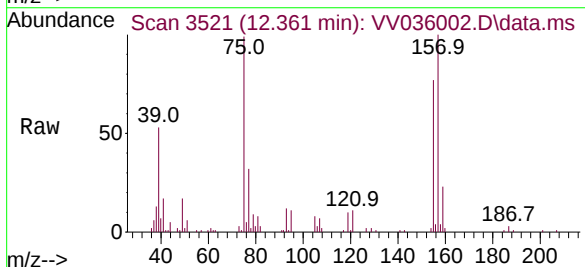
Tgt Ion: 75 Resp: 25669

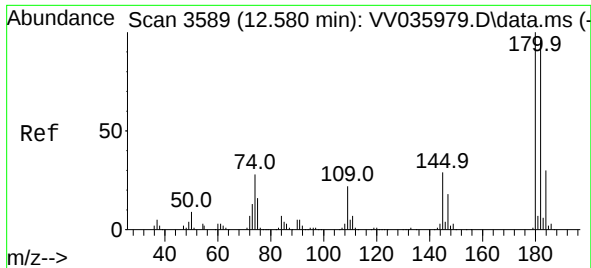
Ion Ratio Lower Upper

75 100

155 78.2 63.3 94.9

157 101.2 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 20.749 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

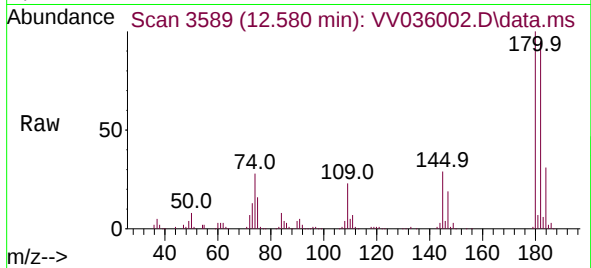
Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 214450

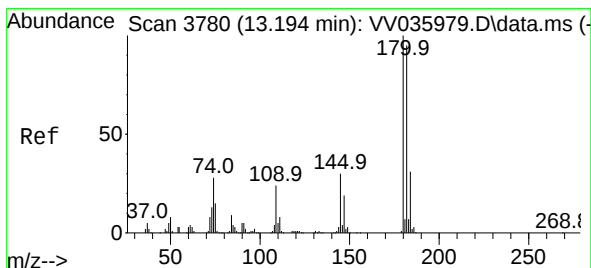
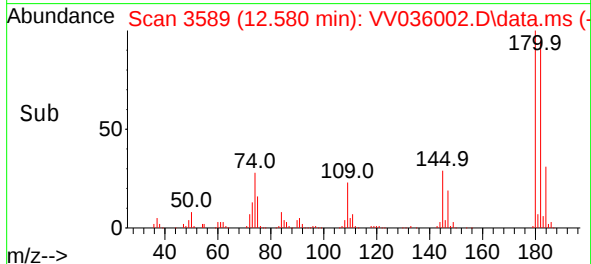
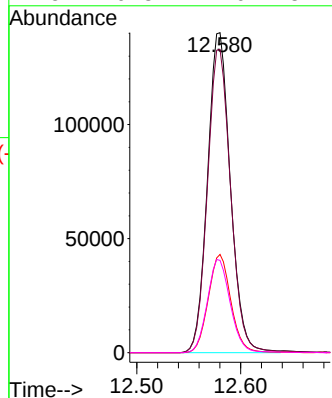
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

184 30.4 24.2 36.2

145 29.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 21.104 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036002.D

Acq: 07 Jun 2024 11:06

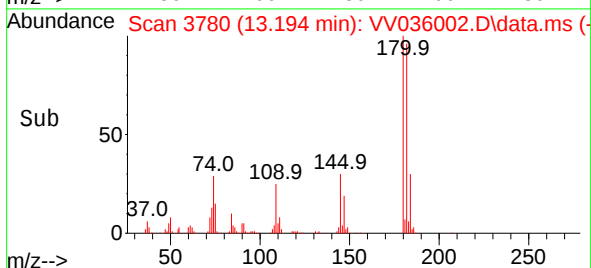
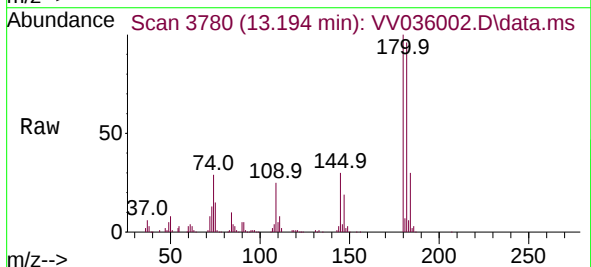
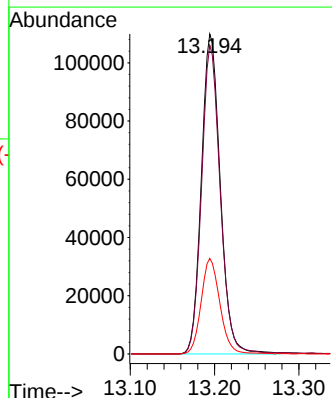
Tgt Ion:180 Resp: 171744

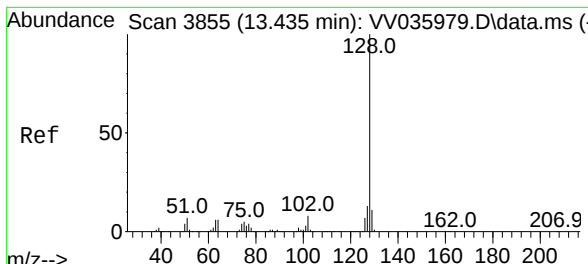
Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 29.7 23.5 35.3

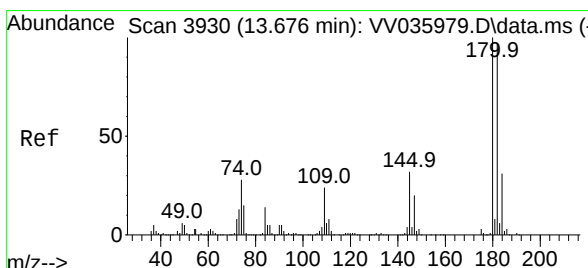
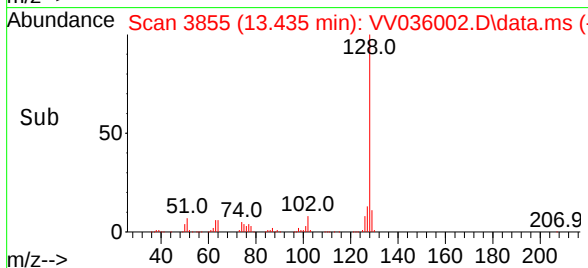
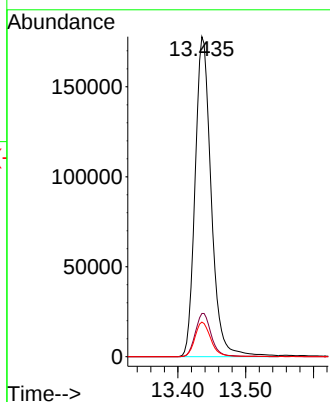
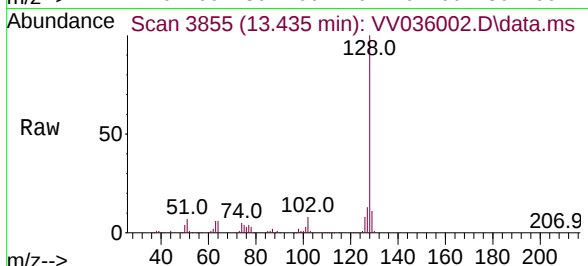




#71
Naphthalene
Concen: 22.118 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	128	Resp:	293741
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 21.952 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV036002.D
Acq: 07 Jun 2024 11:06

Tgt Ion:	180	Resp:	163017
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.1	112.7
145	31.5	25.2	37.8

