

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060624\
 Data File : VW035979.D
 Acq On : 06 Jun 2024 10:42
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 07 02:06:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 05 04:01:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424983	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	420394	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	226544	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	161041	20.611	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.440%
7) Chloroethane-d5	1.529	69	132766	21.311	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.240%
11) 1,1-Dichloroethene-d2	2.050	65	70937	20.394	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.560%
21) 2-Butanone-d5	3.838	46	78716	43.910	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.820%
24) Chloroform-d	4.243	84	288396	21.345	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	4.937	65	149326	21.079	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.320%
32) Benzene-d6	4.953	84	557112	22.294	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.160%
36) 1,2-Dichloropropane-d6	5.985	67	172365	21.903	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.600%
41) Toluene-d8	7.239	98	502725	22.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.551	79	73501	22.780	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.120%
47) 2-Hexanone-d5	8.030	63	56334	52.837	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.680%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	129131	21.959	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.840%
66) 1,2-Dichlorobenzene-d4	11.557	152	175014	21.067	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	160803	20.985	ug/L	99
3) Chloromethane	1.211	50	201608	22.925	ug/L	99
5) Vinyl chloride	1.278	62	213168	23.025	ug/L	100
6) Bromomethane	1.484	94	128021	22.290	ug/L	100
8) Chloroethane	1.545	64	132257	22.983	ug/L	99
9) Trichlorofluoromethane	1.709	101	264039	22.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	166033	22.754	ug/L	99
12) 1,1-Dichloroethene	2.063	96	156260	22.961	ug/L	98
13) Acetone	2.387	43	77201	27.646	ug/L	70
14) Carbon disulfide	2.233	76	521693	22.075	ug/L	99
15) Methyl Acetate	2.387	43	86917	25.041	ug/L	98
16) Methylene chloride	2.439	84	201711	20.976	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	166003	22.963	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	385084	23.728	ug/L	99
19) 1,1-Dichloroethane	3.104	63	321872	23.380	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	168378	23.179	ug/L	99
22) 2-Butanone	3.908	43	126549	53.409	ug/L	87
23) Bromochloromethane	4.143	128	84034	23.063	ug/L	97
25) Chloroform	4.268	83	325207	22.964	ug/L	99

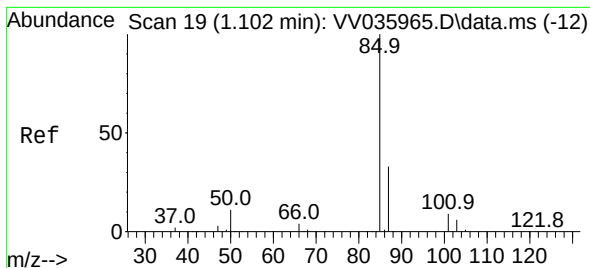
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060624\
 Data File : VV035979.D
 Acq On : 06 Jun 2024 10:42
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 07 02:06:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 05 04:01:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	208969	23.635	ug/L	99
29) Cyclohexane	4.577	56	248420	24.819	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	273925	23.834	ug/L	99
31) Carbon tetrachloride	4.728	117	242992	24.100	ug/L	100
33) Benzene	5.005	78	680195	24.739	ug/L	100
34) Trichloroethene	5.828	95	207415	24.614	ug/L	99
35) Methylcyclohexane	6.043	83	288911	24.792	ug/L	99
37) 1,2-Dichloropropane	6.088	63	180496	25.001	ug/L	100
38) Bromodichloromethane	6.429	83	231986	24.277	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	264228	24.470	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	220691	56.264	ug/L	99
42) Toluene	7.310	91	720082	25.630	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	234960	25.191	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	144566	24.201	ug/L	99
46) Tetrachloroethene	7.902	164	145476	23.604	ug/L	99
48) 2-Hexanone	8.079	43	189918	61.933	ug/L	99
49) Dibromochloromethane	8.172	129	157368	24.070	ug/L	99
50) 1,2-Dibromoethane	8.281	107	140479	24.508	ug/L	99
51) Chlorobenzene	8.812	112	454287	23.732	ug/L	100
52) Ethylbenzene	8.943	91	760316	25.294	ug/L	99
53) m,p-Xylene	9.069	106	287343	25.441	ug/L	100
54) o-Xylene	9.477	106	266770	25.046	ug/L	99
55) Styrene	9.493	104	497818	26.504	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	124300	23.238	ug/L	99
59) Bromoform	9.660	173	103068	24.125	ug/L	99
60) Isopropylbenzene	9.863	105	736157	25.329	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	134306	25.067	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	525815	24.949	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	577644	25.439	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	366526	24.013	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	378422	24.020	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	343619	23.924	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31306	26.129	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	268399	23.508	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	216692	24.105	ug/L	99
71) Naphthalene	13.435	128	401580	27.373	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	211139	25.738	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.985 ug/L

RT: 1.105 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

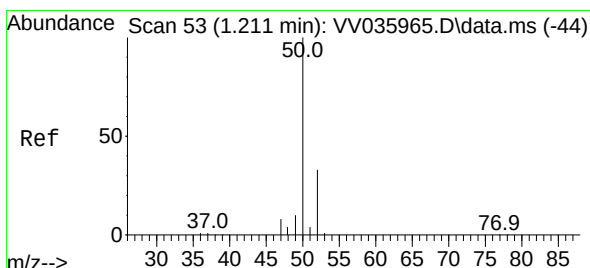
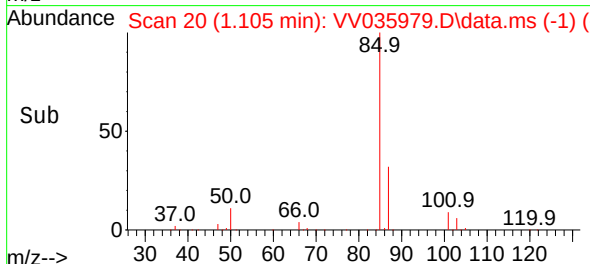
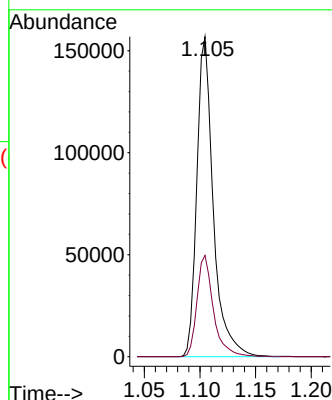
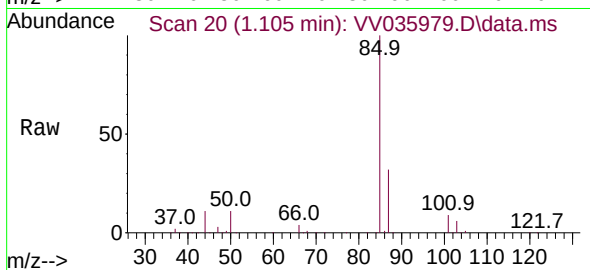
ClientSampleId :

Tgt Ion: 85 Resp: 160803

Ion Ratio Lower Upper

85 100

87 31.7 25.9 38.9



#3

Chloromethane

Concen: 22.925 ug/L

RT: 1.211 min Scan# 53

Delta R.T. -0.000 min

Lab File: VV035979.D

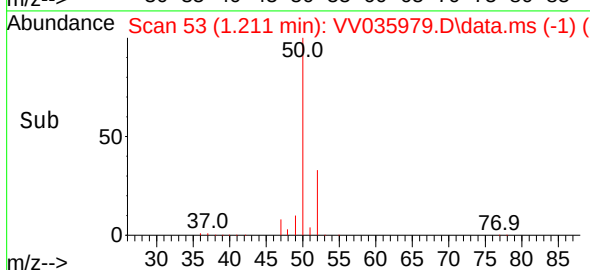
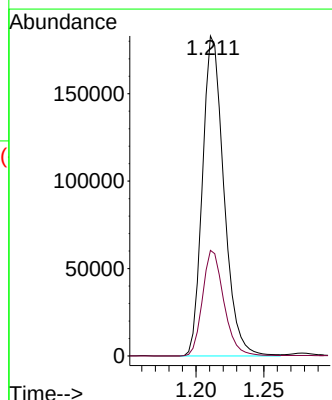
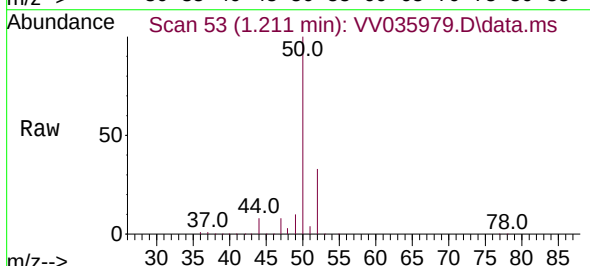
Acq: 06 Jun 2024 10:42

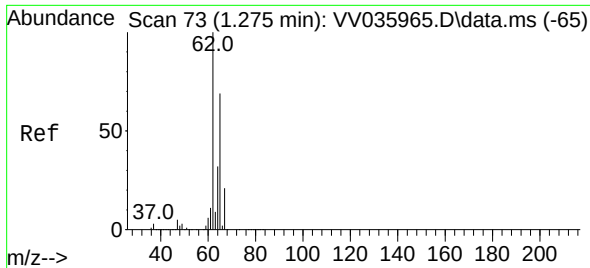
Tgt Ion: 50 Resp: 201608

Ion Ratio Lower Upper

50 100

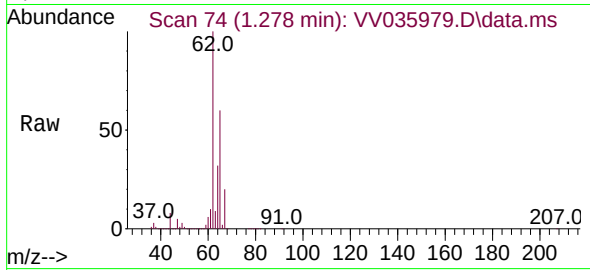
52 33.0 22.8 42.4



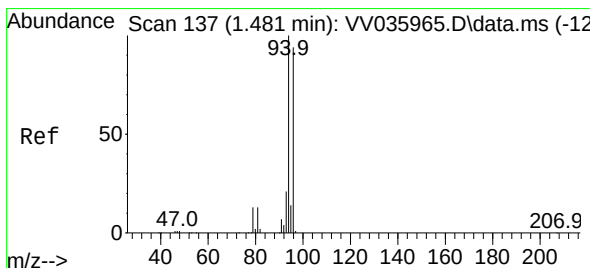
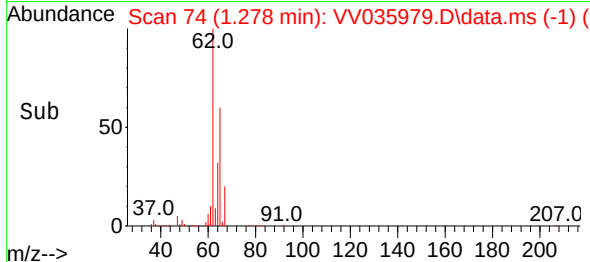
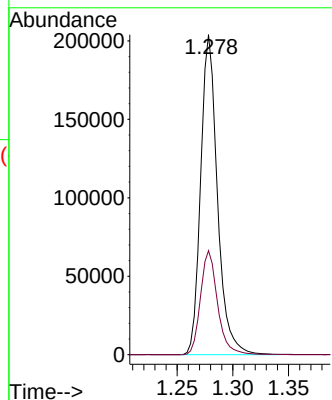


#5
 Vinyl chloride
 Concen: 23.025 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV035979.D
 Acq: 06 Jun 2024 10:42

Instrument :
 MSVOA_V
 ClientSampleId :

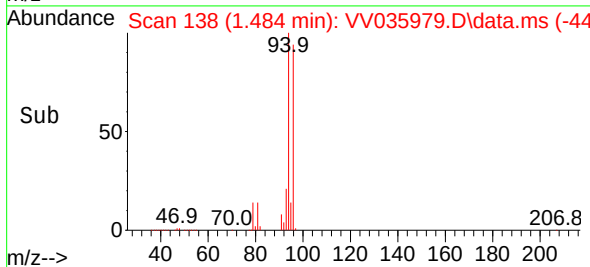
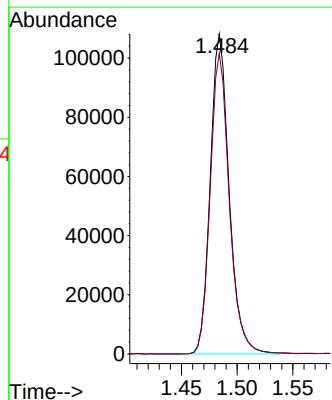
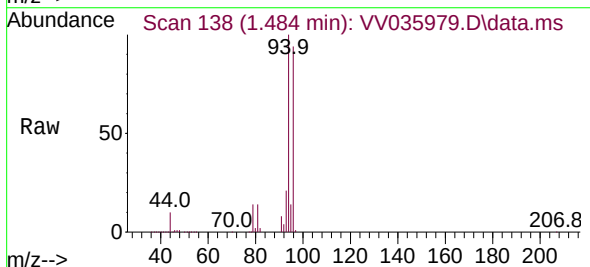


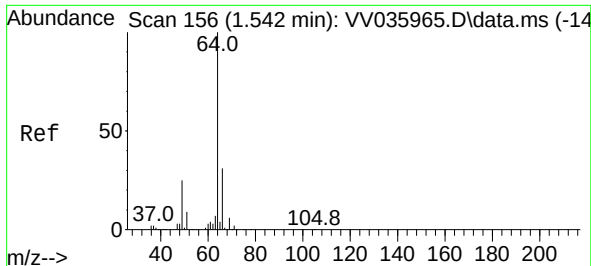
Tgt Ion: 62 Resp: 213168
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.9 42.5



#6
 Bromomethane
 Concen: 22.290 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV035979.D
 Acq: 06 Jun 2024 10:42

Tgt Ion: 94 Resp: 128021
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.7 122.1

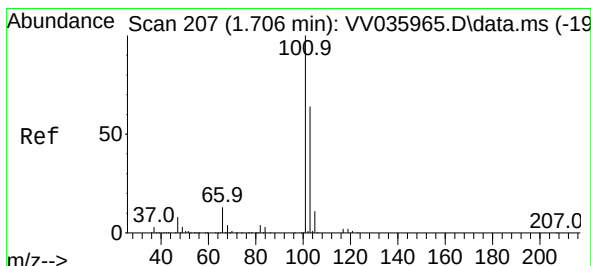
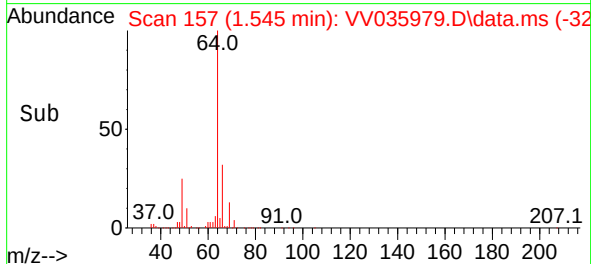
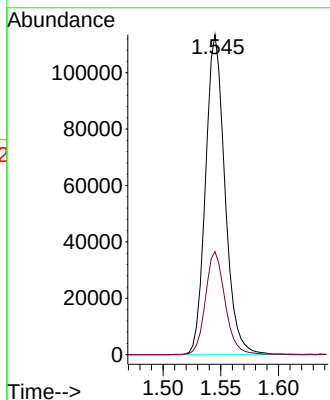
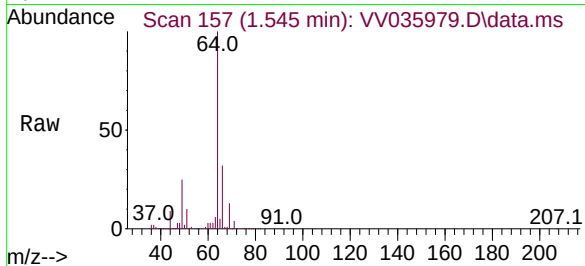




#8
Chloroethane
Concen: 22.983 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

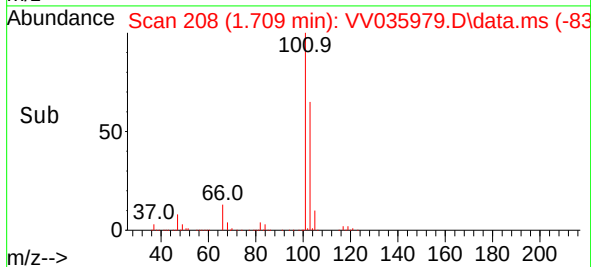
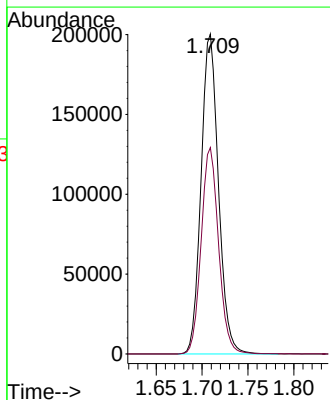
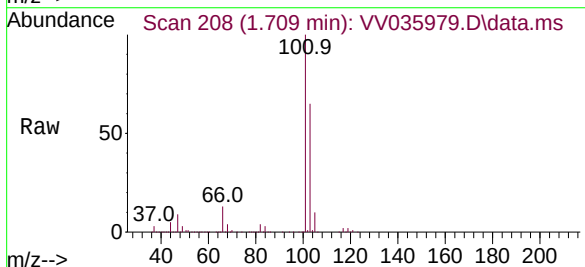
Instrument :
MSVOA_V
ClientSampleId :

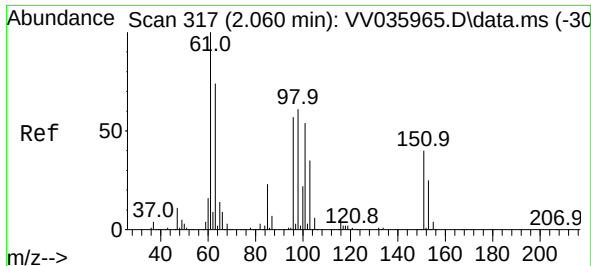
Tgt Ion: 64 Resp: 132257
Ion Ratio Lower Upper
64 100
66 32.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.965 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion:101 Resp: 264039
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 22.754 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

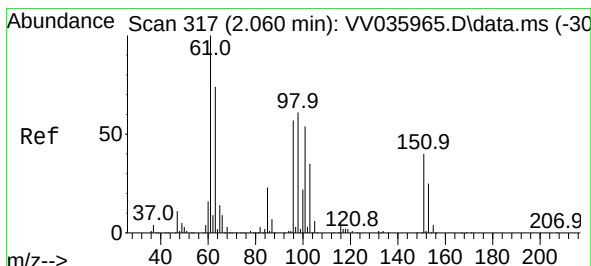
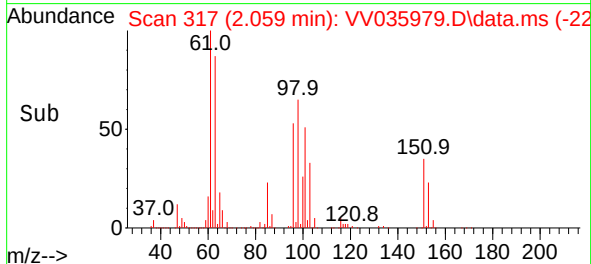
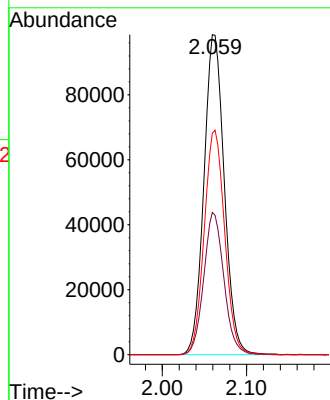
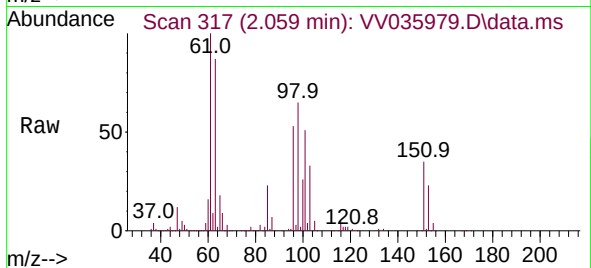
Tgt Ion:101 Resp: 166033

Ion Ratio Lower Upper

101 100

85 43.9 34.5 51.7

151 70.5 56.3 84.5



#12

1,1-Dichloroethene

Concen: 22.961 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

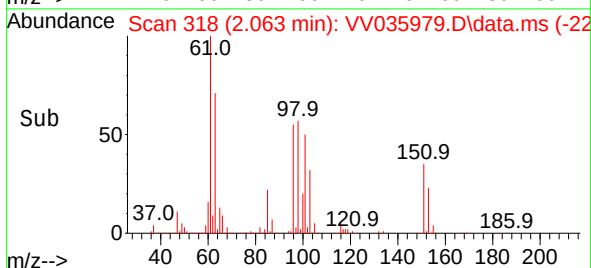
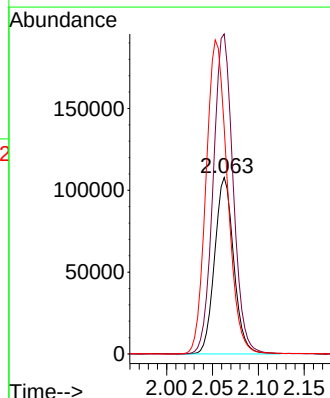
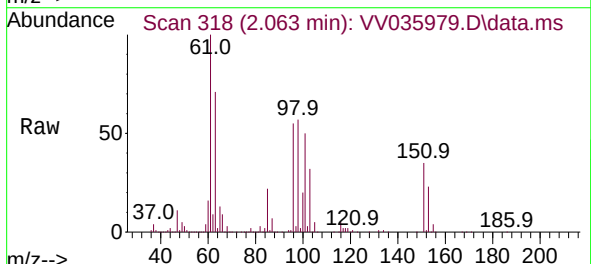
Tgt Ion: 96 Resp: 156260

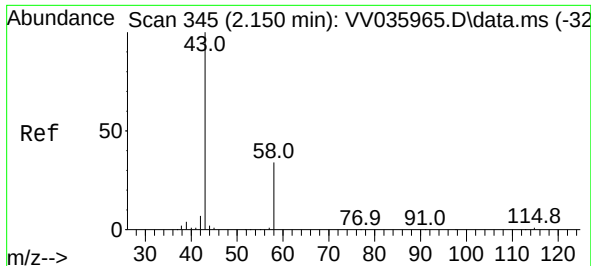
Ion Ratio Lower Upper

96 100

61 181.2 127.3 236.3

63 128.3 93.7 173.9





#13

Acetone

Concen: 27.646 ug/L

RT: 2.387 min Scan# 41

Delta R.T. 0.238 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

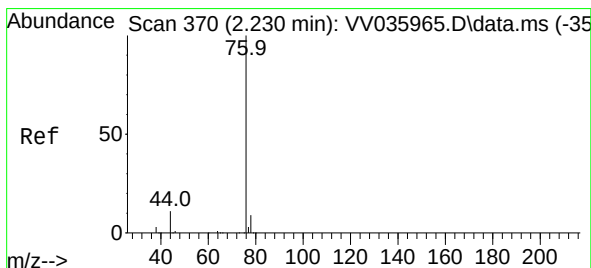
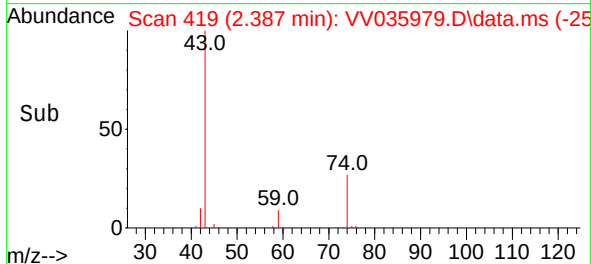
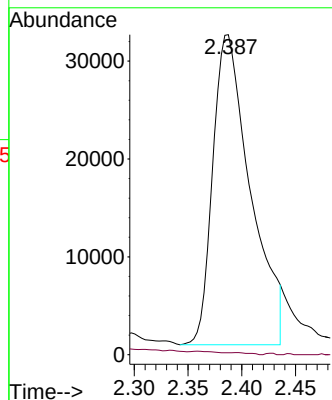
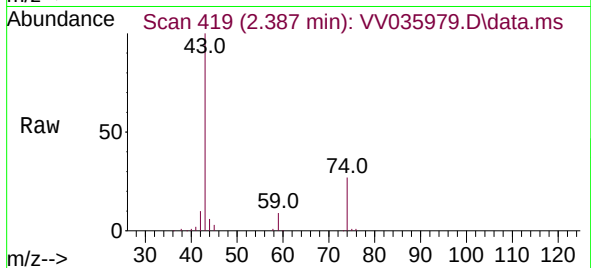
ClientSampleId :

Tgt Ion: 43 Resp: 77201

Ion Ratio Lower Upper

43 100

58 0.3 0.0 24.2



#14

Carbon disulfide

Concen: 22.075 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV035979.D

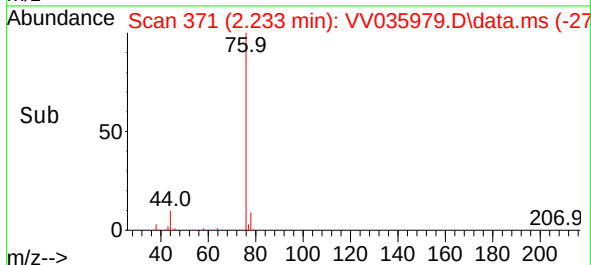
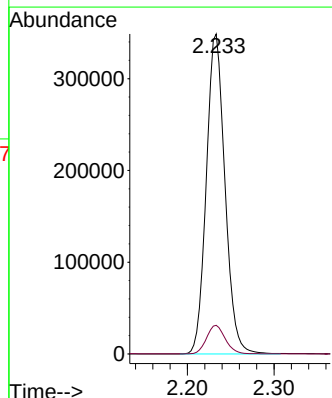
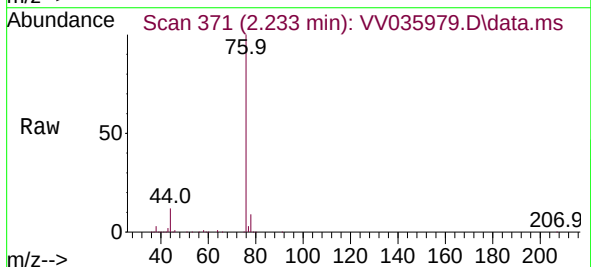
Acq: 06 Jun 2024 10:42

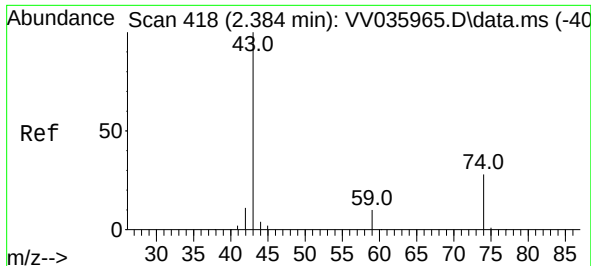
Tgt Ion: 76 Resp: 521693

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 25.041 ug/L

RT: 2.387 min Scan# 418

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

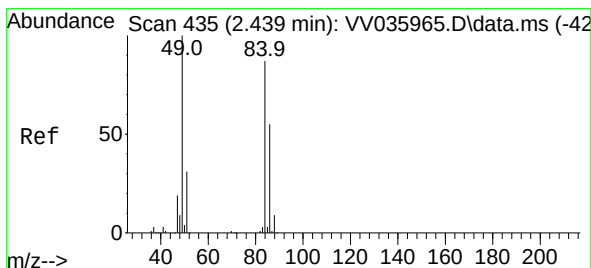
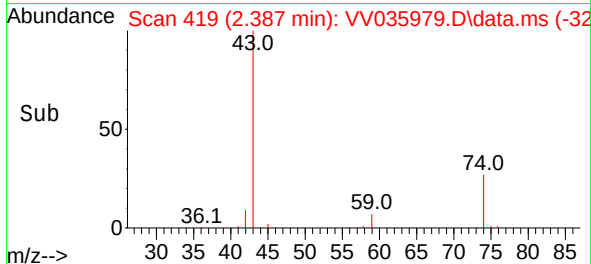
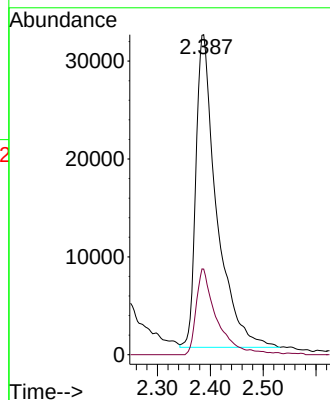
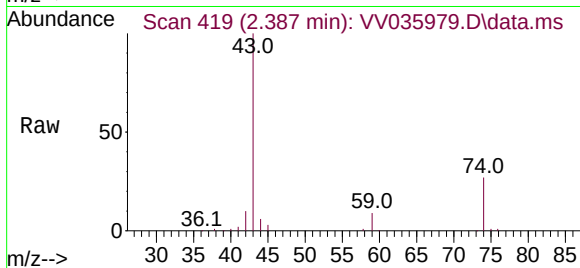
ClientSampleId :

Tgt Ion: 43 Resp: 86917

Ion Ratio Lower Upper

43 100

74 25.9 21.4 32.2



#16

Methylene chloride

Concen: 20.976 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

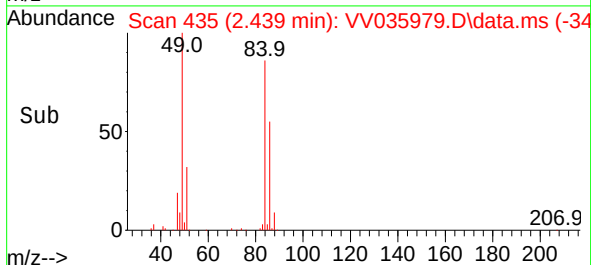
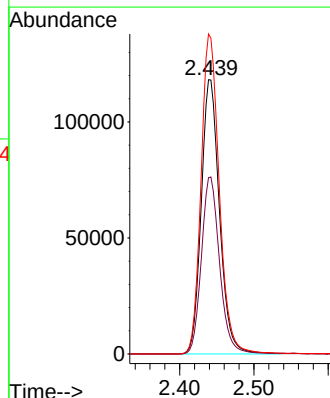
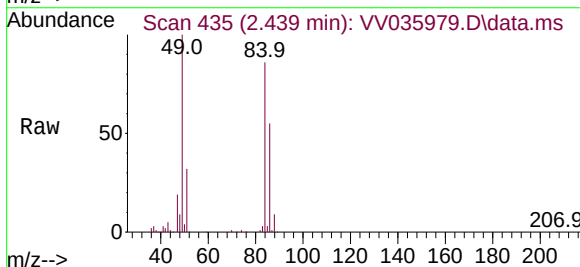
Tgt Ion: 84 Resp: 201711

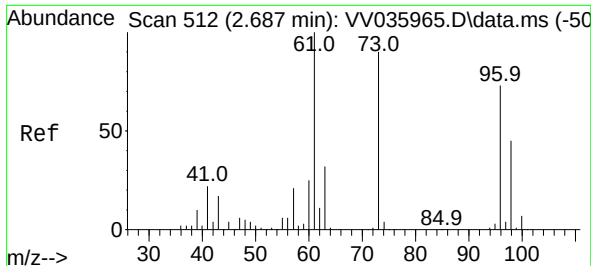
Ion Ratio Lower Upper

84 100

86 64.3 44.6 82.8

49 116.7 81.1 150.5

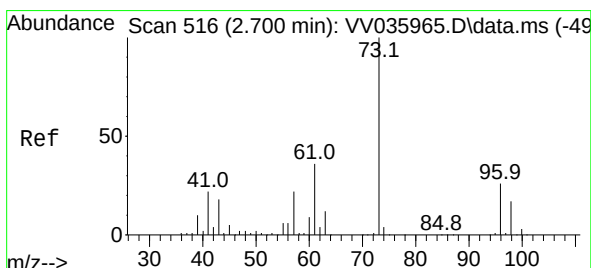
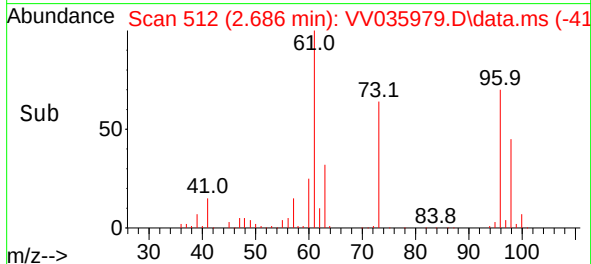
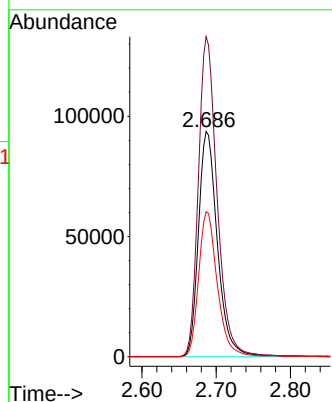
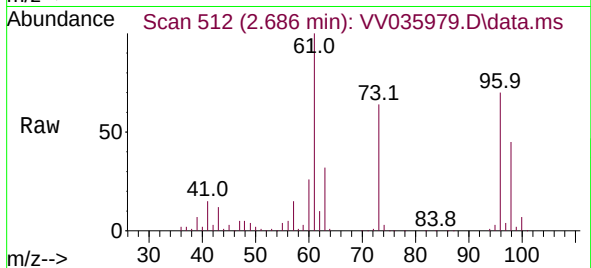




#17
trans-1,2-Dichloroethene
Concen: 22.963 ug/L
RT: 2.686 min Scan# 512
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

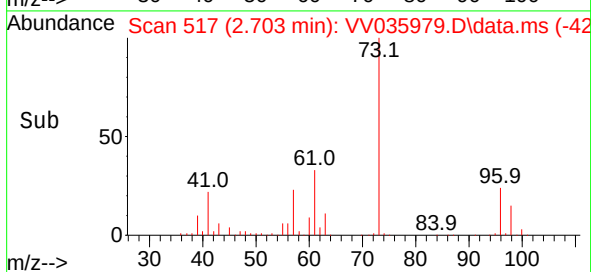
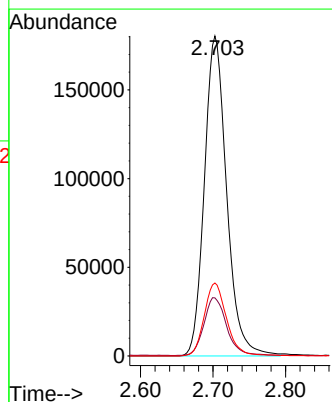
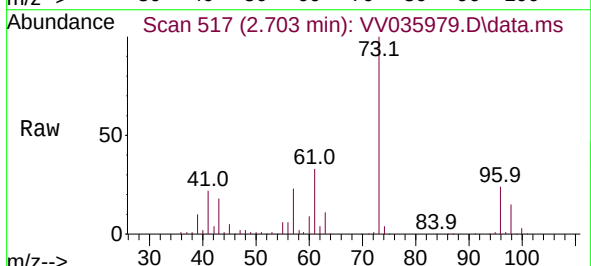
Instrument :
MSVOA_V
ClientSampleId :

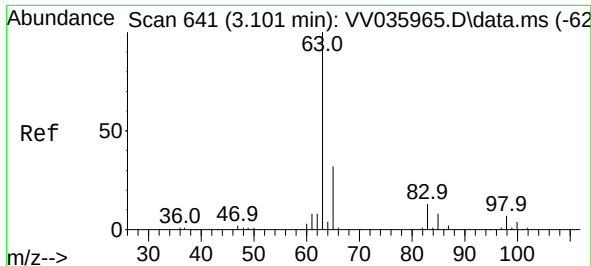
Tgt Ion: 96 Resp: 166003
Ion Ratio Lower Upper
96 100
61 142.1 99.4 184.6
98 64.4 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 23.728 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 73 Resp: 385084
Ion Ratio Lower Upper
73 100
43 18.4 14.3 21.5
57 22.7 17.8 26.6

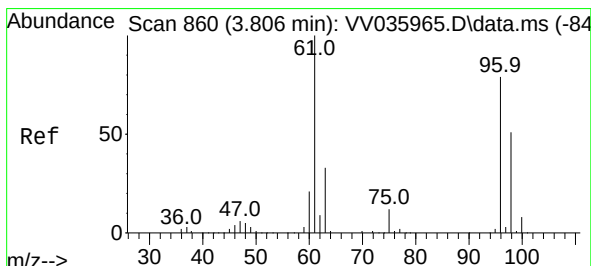
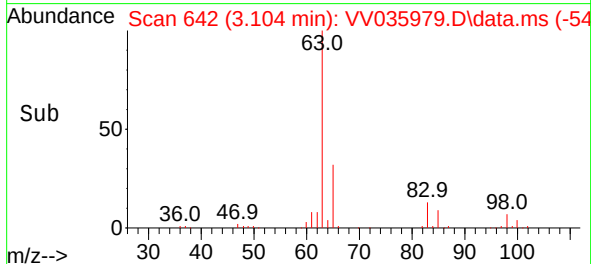
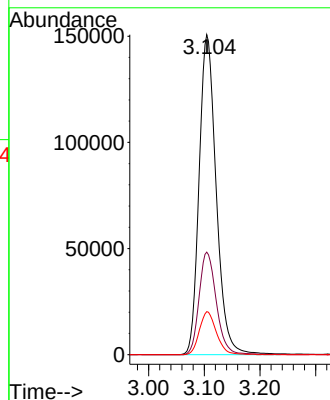
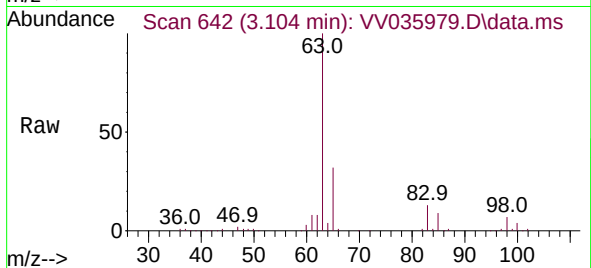




#19
1,1-Dichloroethane
Concen: 23.380 ug/L
RT: 3.104 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

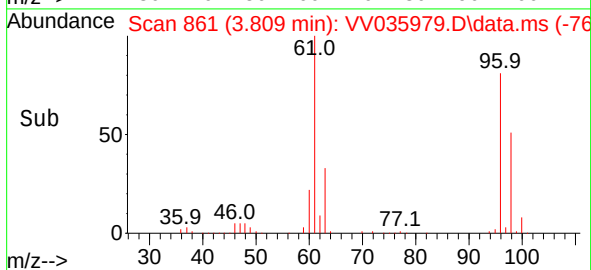
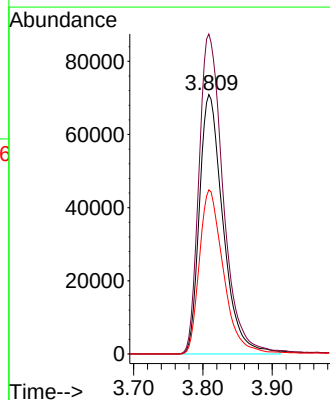
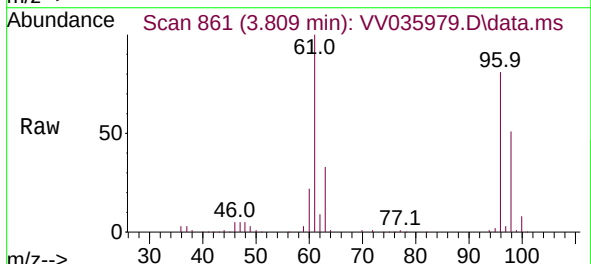
Instrument :
MSVOA_V
ClientSampleId :

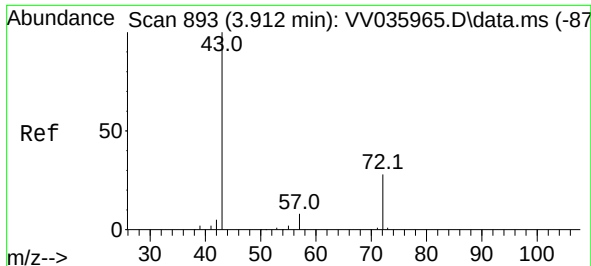
Tgt Ion: 63 Resp: 321872
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 13.5 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 23.179 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 96 Resp: 168378
Ion Ratio Lower Upper
96 100
61 123.4 87.9 163.3
98 63.3 44.4 82.5





#22

2-Butanone

Concen: 53.409 ug/L

RT: 3.908 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

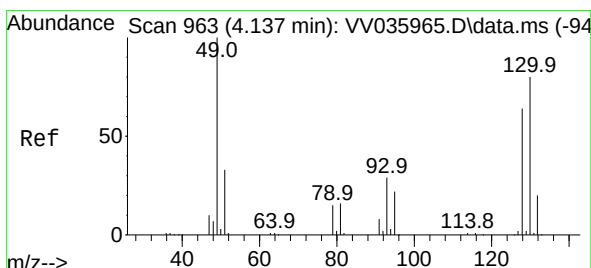
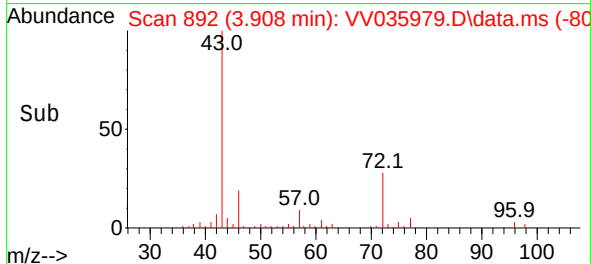
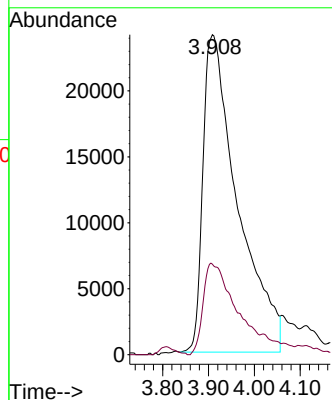
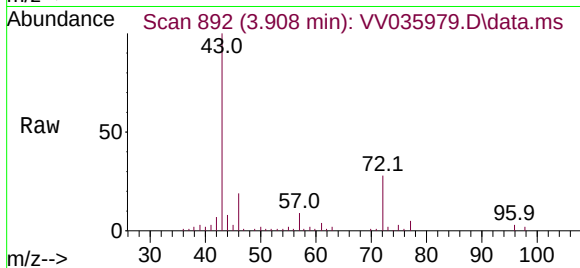
ClientSampleId :

Tgt Ion: 43 Resp: 126549

Ion Ratio Lower Upper

43 100

72 21.8 8.2 24.4



#23

Bromochloromethane

Concen: 23.063 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.006 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Tgt Ion:128 Resp: 84034

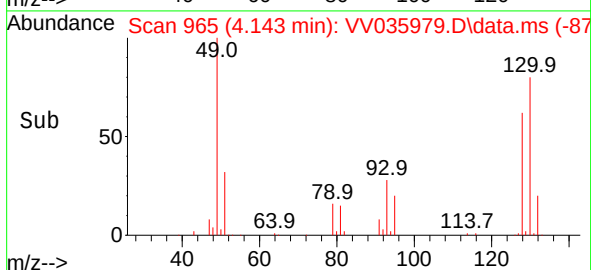
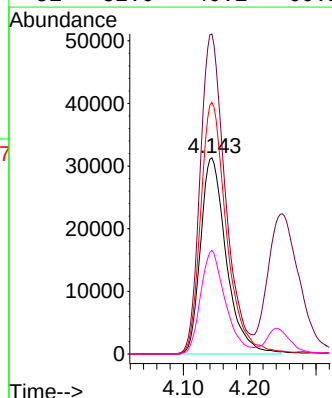
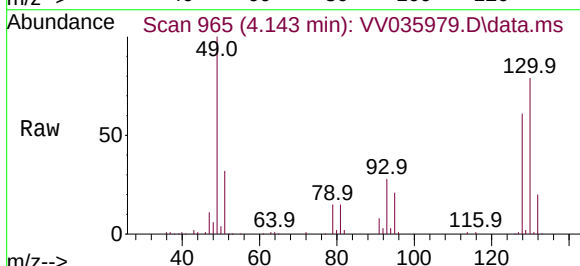
Ion Ratio Lower Upper

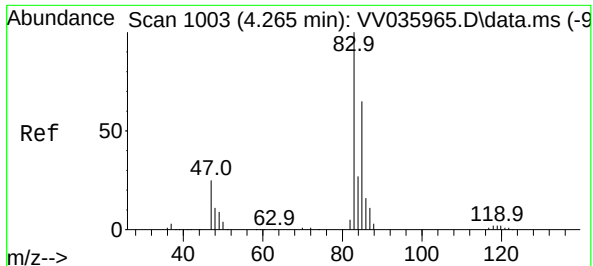
128 100

49 163.2 110.2 204.6

130 128.3 90.2 167.4

51 52.9 40.2 60.2





#25

Chloroform

Concen: 22.964 ug/L

RT: 4.268 min Scan# 1003

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

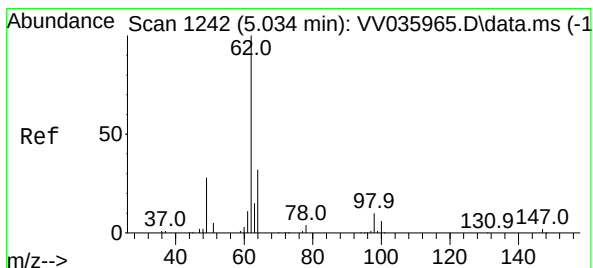
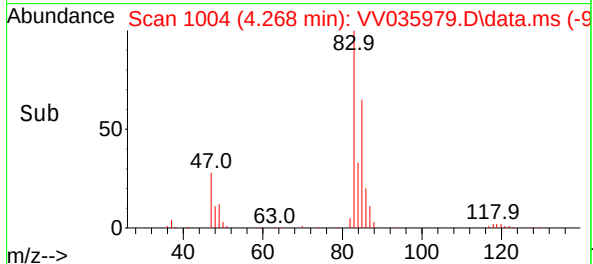
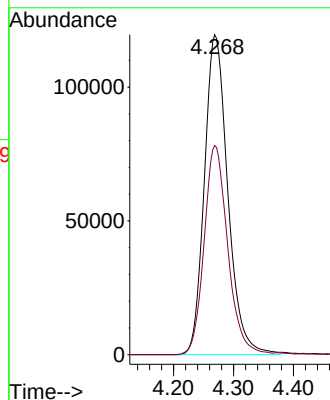
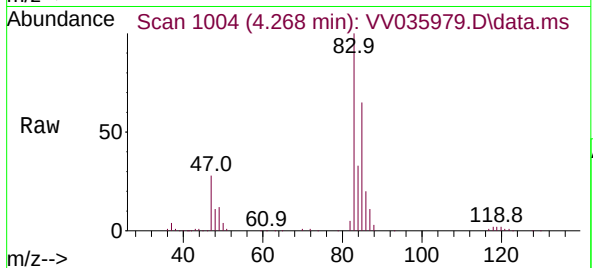
ClientSampleId :

Tgt Ion: 83 Resp: 325207

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 23.635 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV035979.D

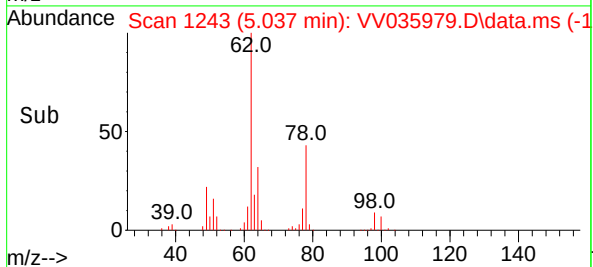
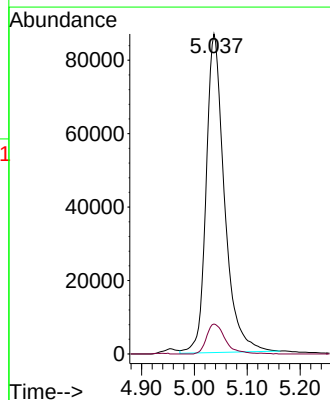
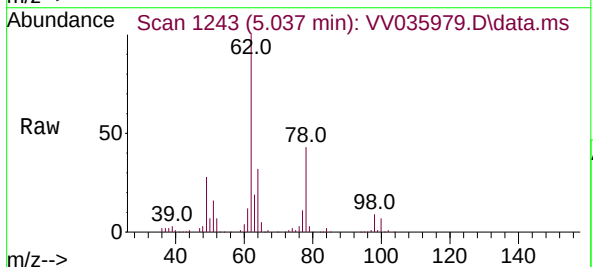
Acq: 06 Jun 2024 10:42

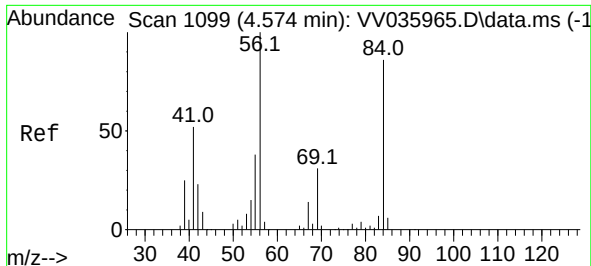
Tgt Ion: 62 Resp: 208969

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6





#29

Cyclohexane

Concen: 24.819 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

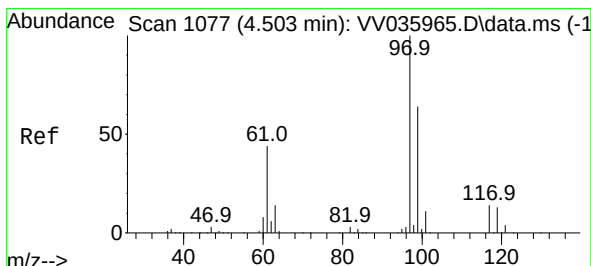
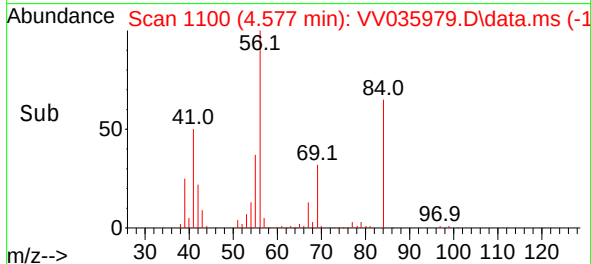
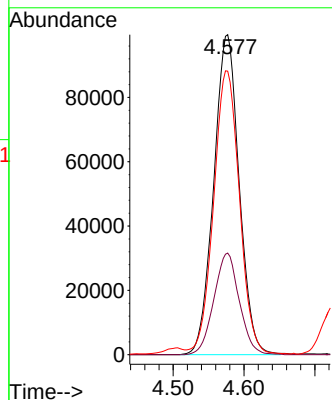
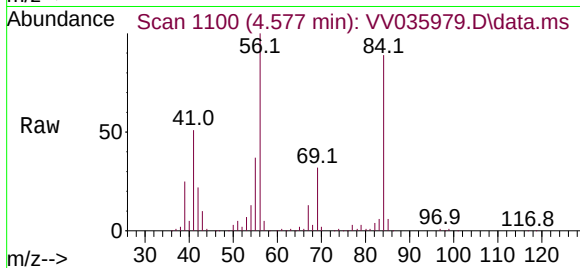
Tgt Ion: 56 Resp: 248420

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 89.7 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 23.834 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

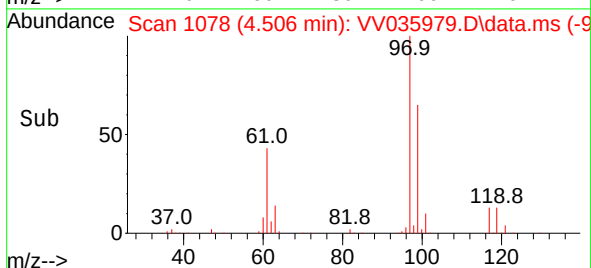
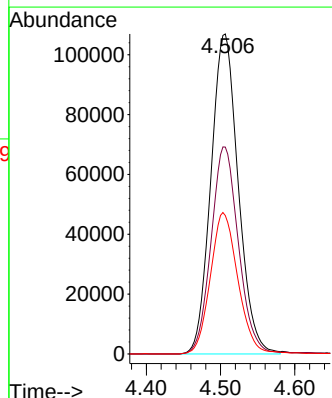
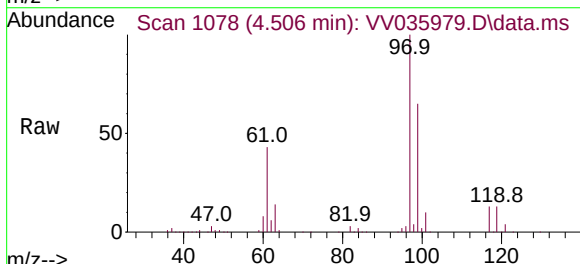
Tgt Ion: 97 Resp: 273925

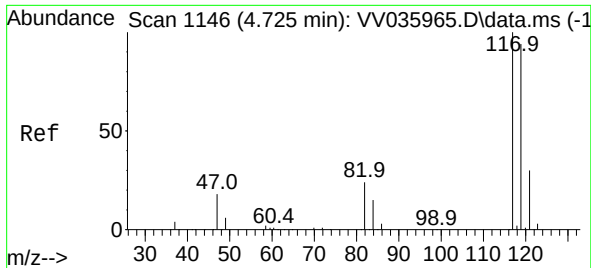
Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 44.5 35.0 52.6

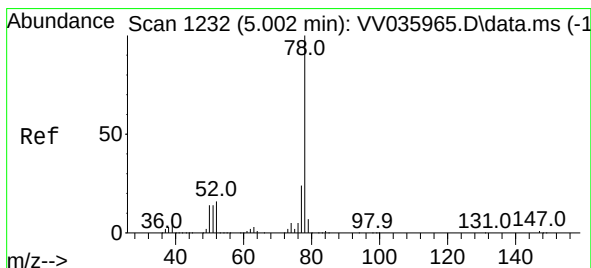
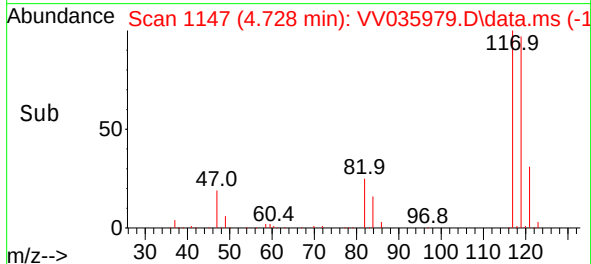
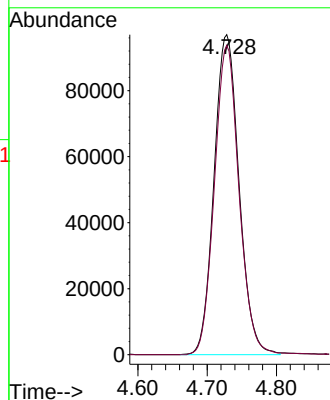
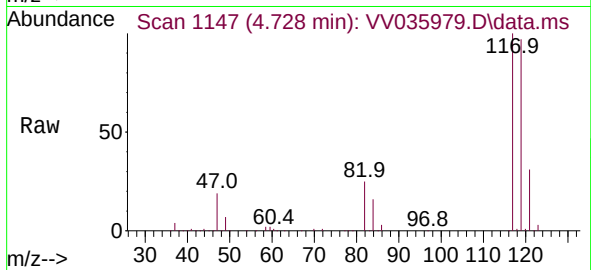




#31
Carbon tetrachloride
Concen: 24.100 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

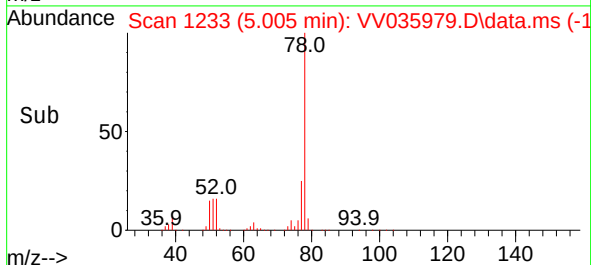
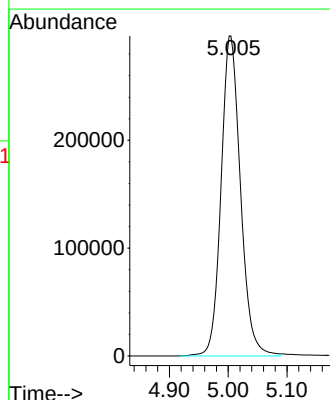
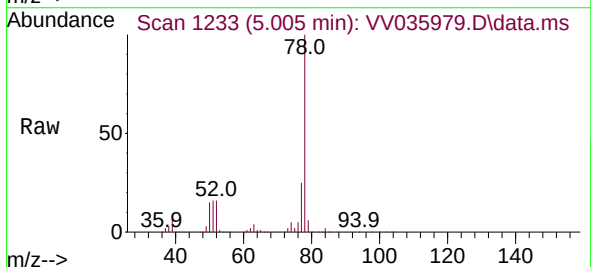
Instrument :
MSVOA_V
ClientSampleId :

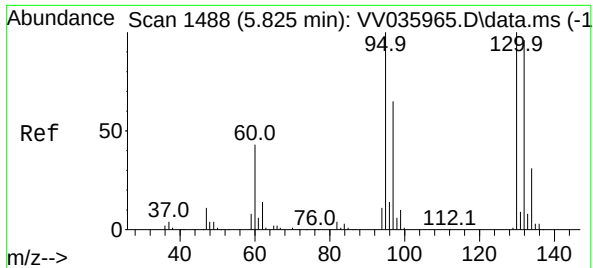
Tgt Ion:117 Resp: 242992
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2



#33
Benzene
Concen: 24.739 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 78 Resp: 680195

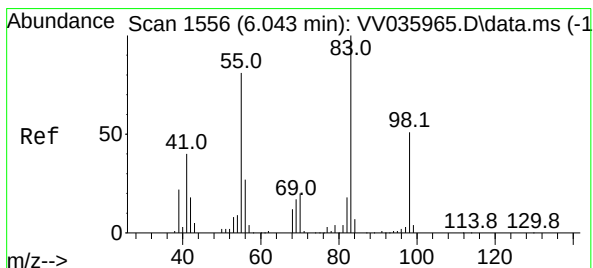
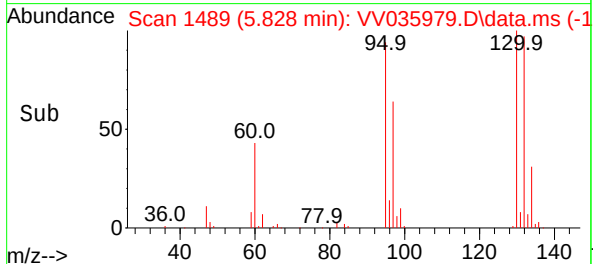
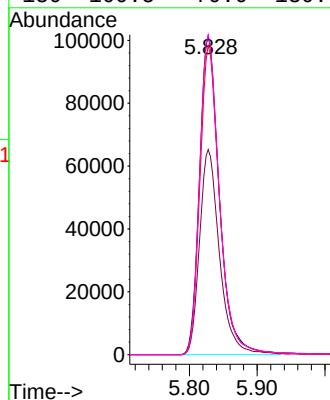
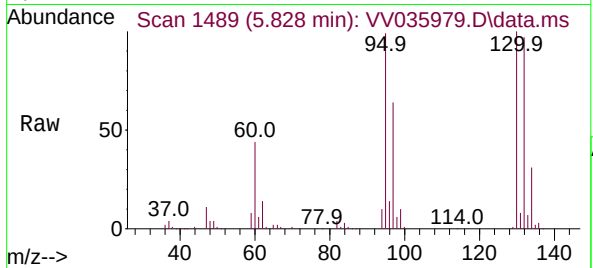




#34
Trichloroethene
Concen: 24.614 ug/L
RT: 5.828 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

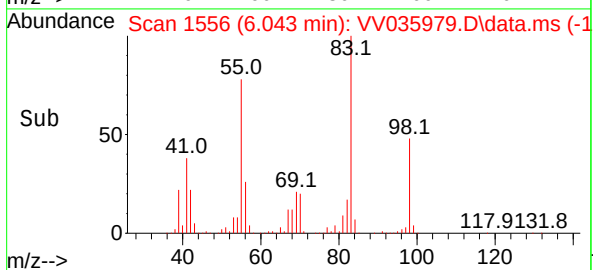
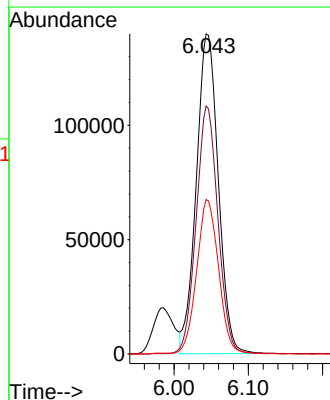
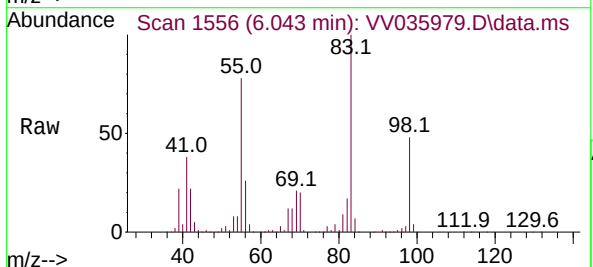
Instrument :
MSVOA_V
ClientSampleId :

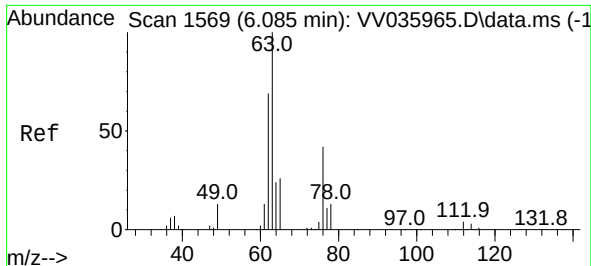
Tgt Ion: 95 Resp: 207415
Ion Ratio Lower Upper
95 100
97 64.4 44.8 83.2
132 97.2 66.8 124.2
130 100.5 70.0 130.0



#35
Methylcyclohexane
Concen: 24.792 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 83 Resp: 288911
Ion Ratio Lower Upper
83 100
55 76.6 60.7 91.1
98 47.9 38.7 58.1





#37

1,2-Dichloropropane

Concen: 25.001 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

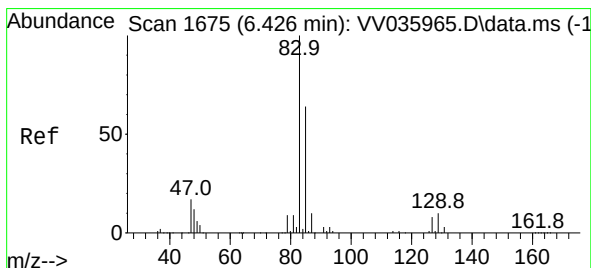
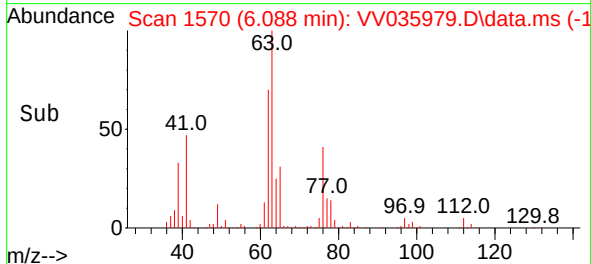
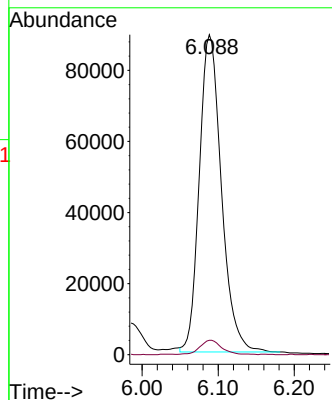
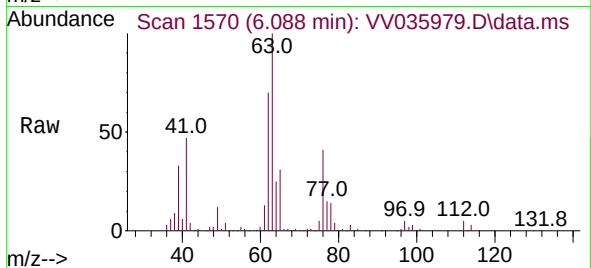
ClientSampleId :

Tgt Ion: 63 Resp: 180496

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 24.277 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

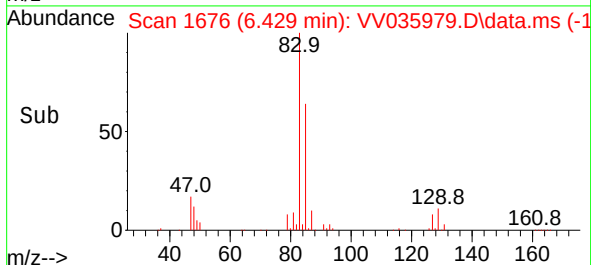
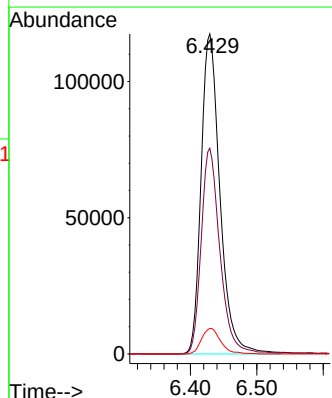
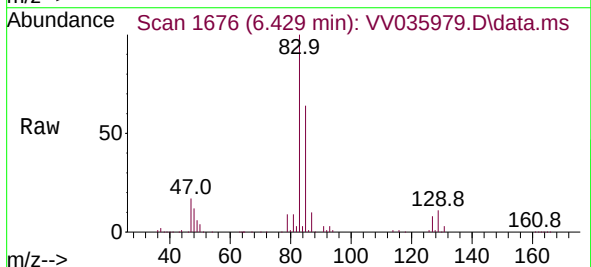
Tgt Ion: 83 Resp: 231986

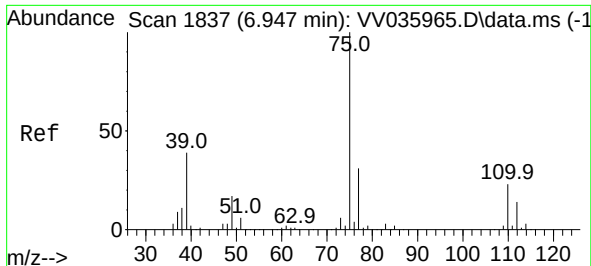
Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

127 8.0 6.7 10.1

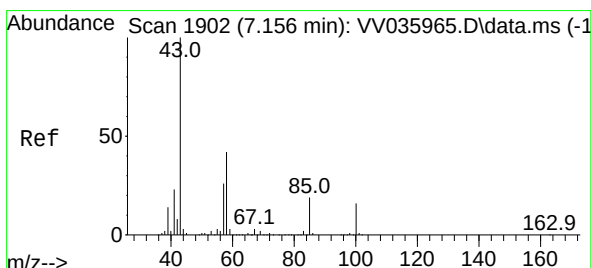
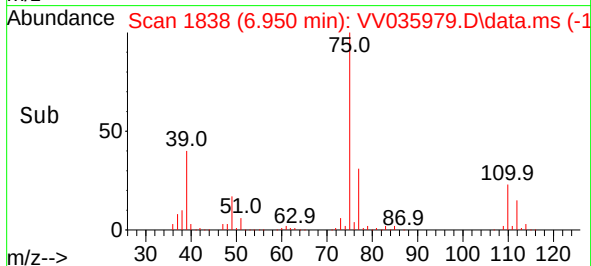
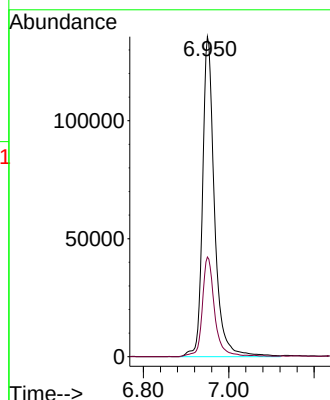
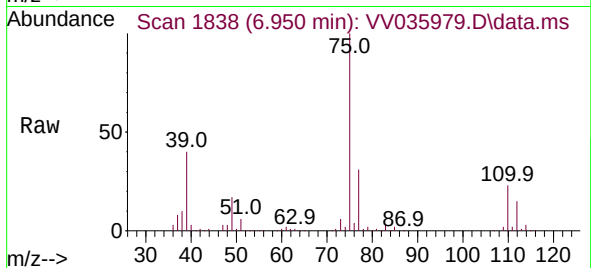




#39
 cis-1,3-Dichloropropene
 Concen: 24.470 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV035979.D
 Acq: 06 Jun 2024 10:42

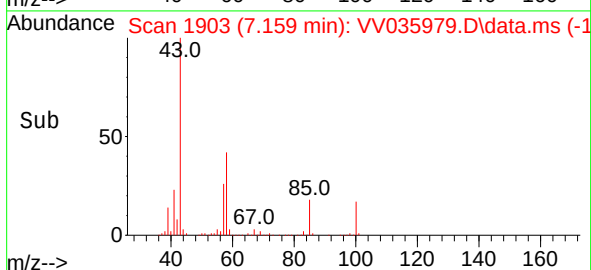
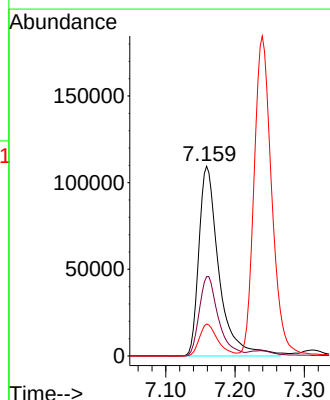
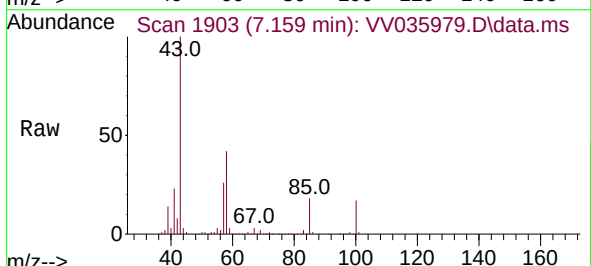
Instrument :
 MSVOA_V
 ClientSampleId :

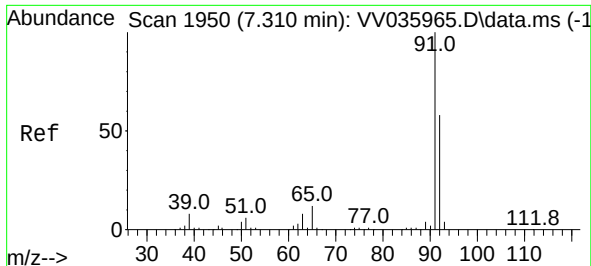
Tgt Ion: 75 Resp: 264228
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 56.264 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.003 min
 Lab File: VV035979.D
 Acq: 06 Jun 2024 10:42

Tgt Ion: 43 Resp: 220691
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.5 48.7
 100 15.6 12.5 18.7





#42

Toluene

Concen: 25.630 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

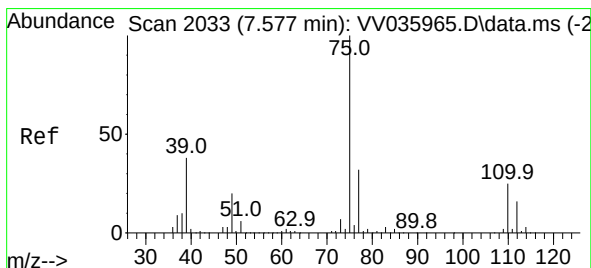
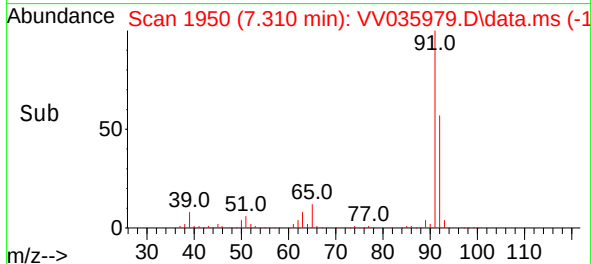
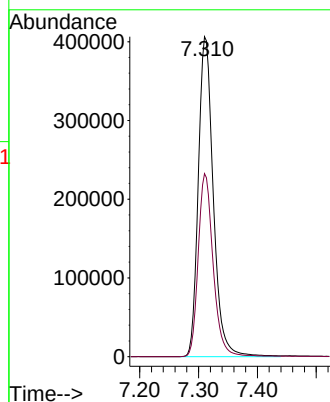
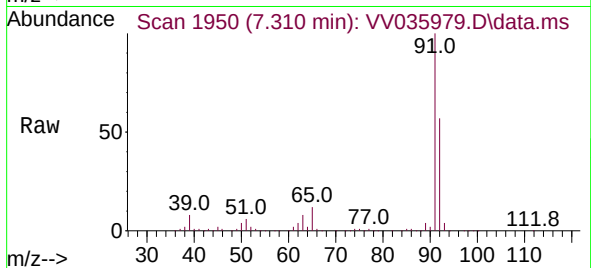
ClientSampleId :

Tgt Ion: 91 Resp: 720082

Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 25.191 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035979.D

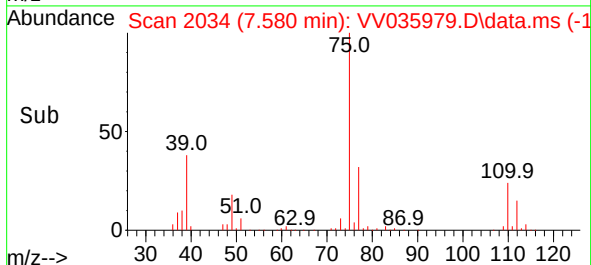
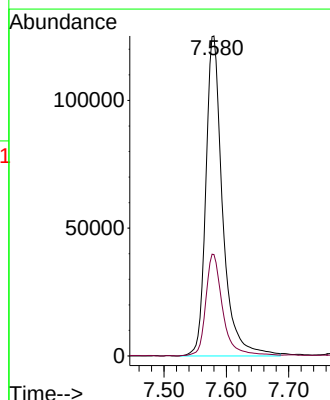
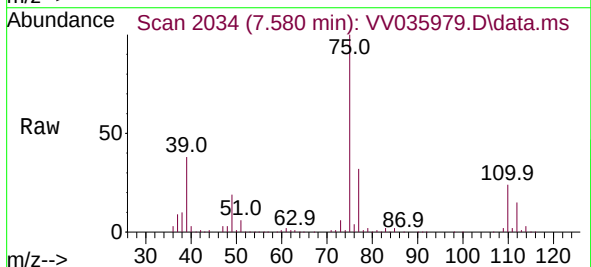
Acq: 06 Jun 2024 10:42

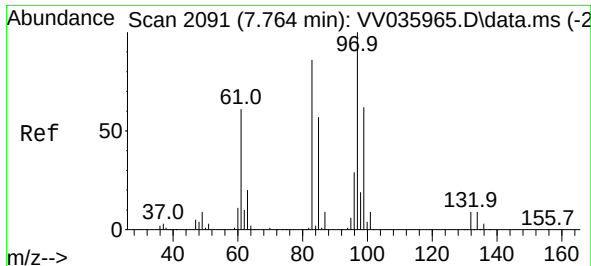
Tgt Ion: 75 Resp: 234960

Ion Ratio Lower Upper

75 100

77 31.7 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 24.201 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 144566

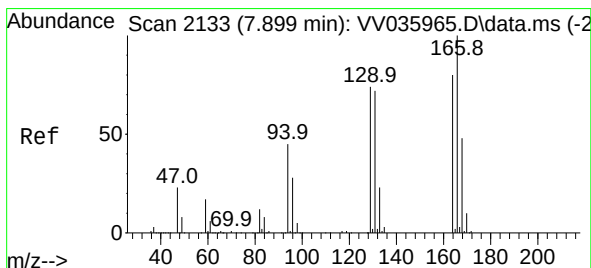
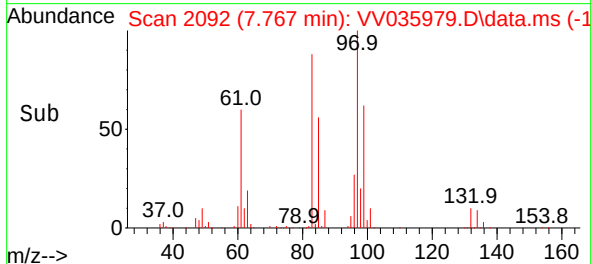
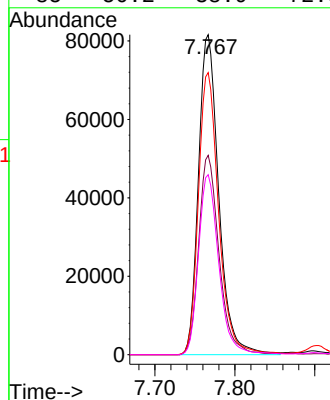
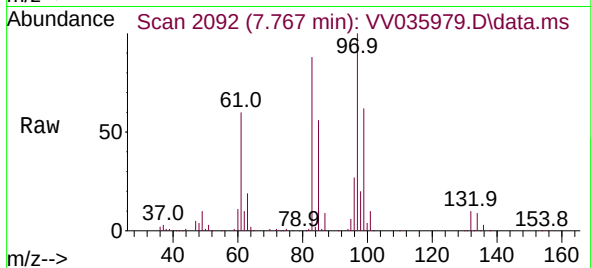
Ion Ratio Lower Upper

97 100

99 62.3 43.3 80.5

83 88.2 60.1 111.7

85 56.2 38.9 72.3



#46

Tetrachloroethene

Concen: 23.604 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Tgt Ion:164 Resp: 145476

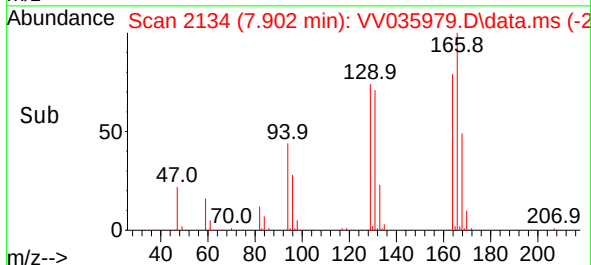
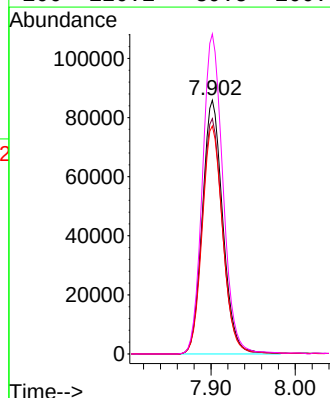
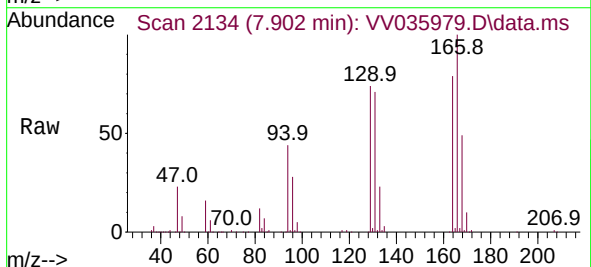
Ion Ratio Lower Upper

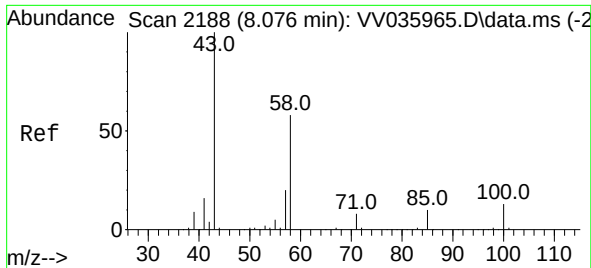
164 100

129 92.8 64.6 120.0

131 89.9 63.2 117.4

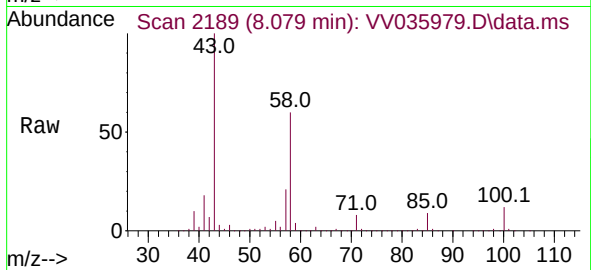
166 126.1 89.5 166.3



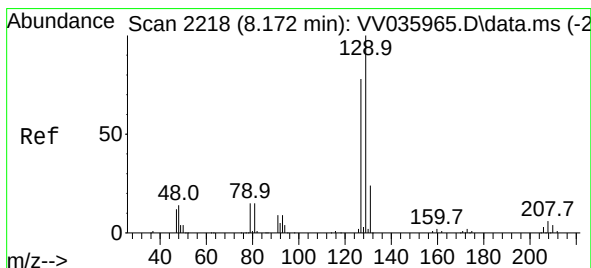
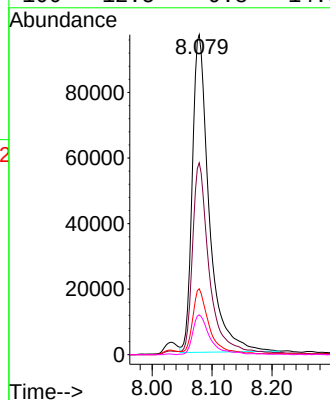
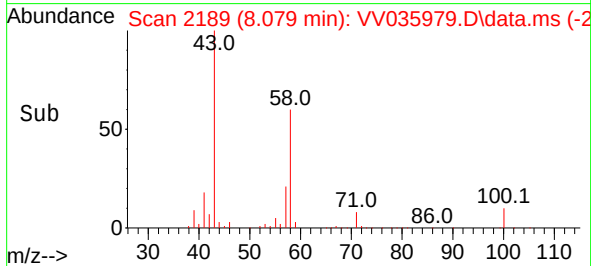


#48
2-Hexanone
Concen: 61.933 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Instrument :
MSVOA_V
ClientSampleId :

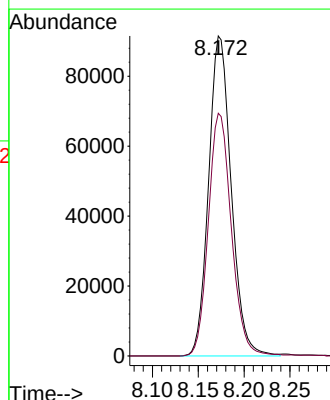
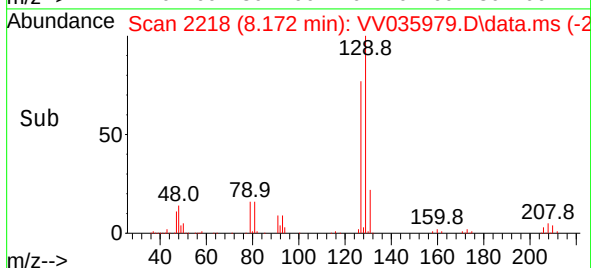
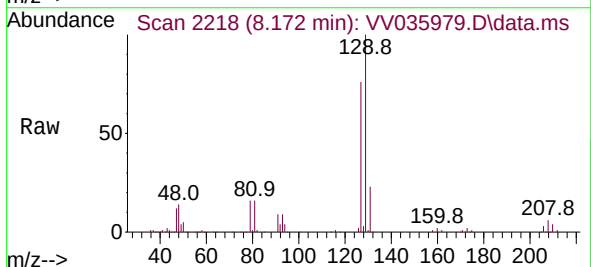


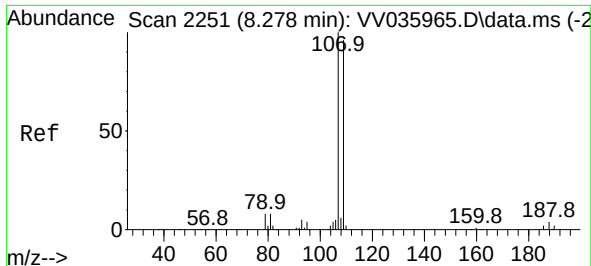
Tgt Ion: 43 Resp: 189918
Ion Ratio Lower Upper
43 100
58 57.1 45.4 68.0
57 19.2 15.8 23.8
100 12.5 9.8 14.8



#49
Dibromochloromethane
Concen: 24.070 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

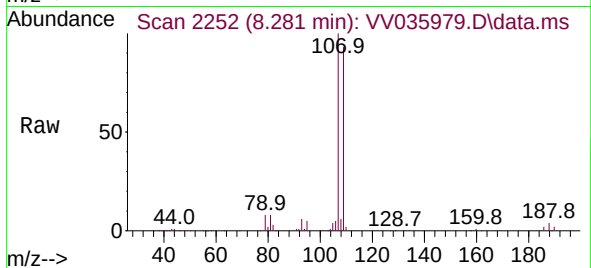
Tgt Ion:129 Resp: 157368
Ion Ratio Lower Upper
129 100
127 75.9 53.9 100.1



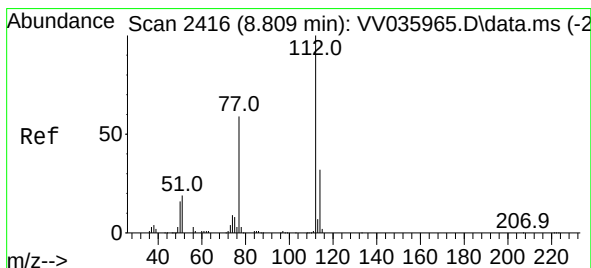
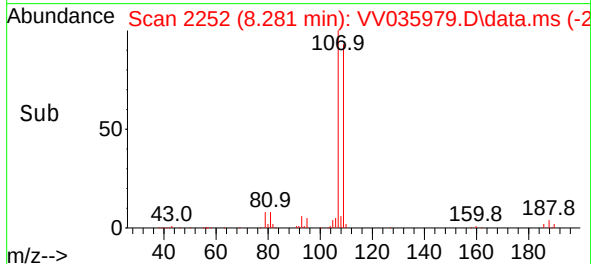
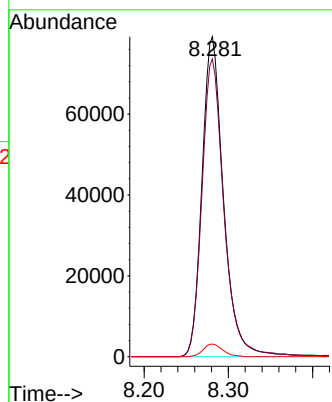


#50
1,2-Dibromoethane
Concen: 24.508 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Instrument :
MSVOA_V
ClientSampleId :

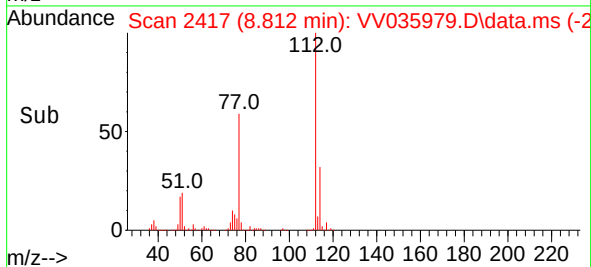
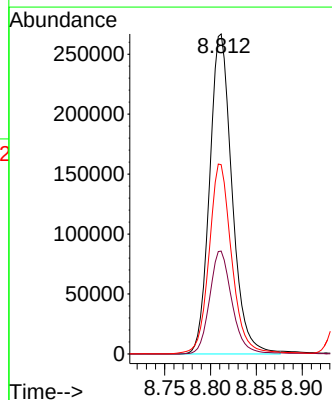
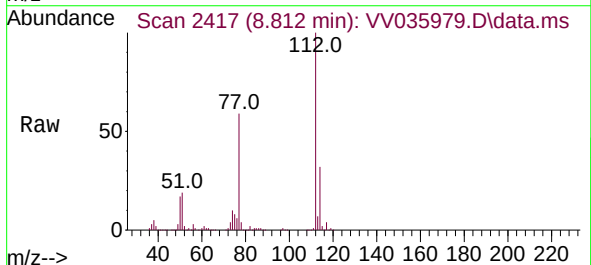


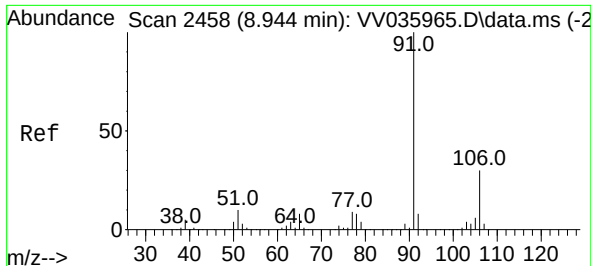
Tgt Ion:107 Resp: 140479
Ion Ratio Lower Upper
107 100
109 93.0 66.1 122.7
188 4.0 3.0 4.6



#51
Chlorobenzene
Concen: 23.732 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion:112 Resp: 454287
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 59.2 47.3 70.9





#52

Ethylbenzene

Concen: 25.294 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

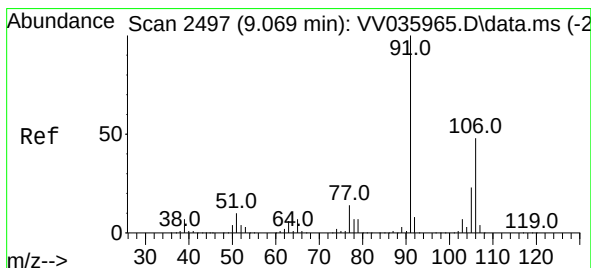
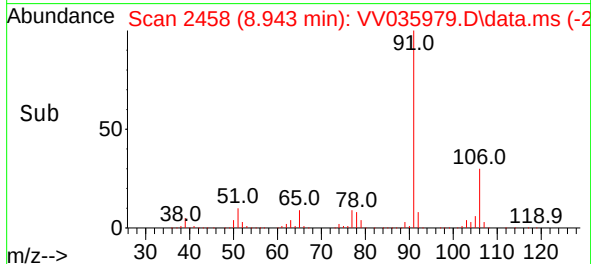
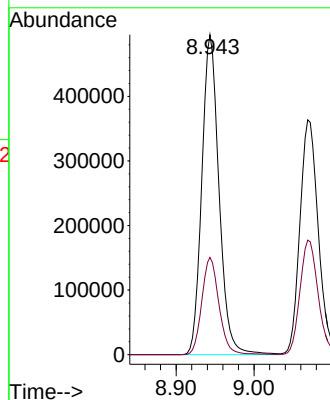
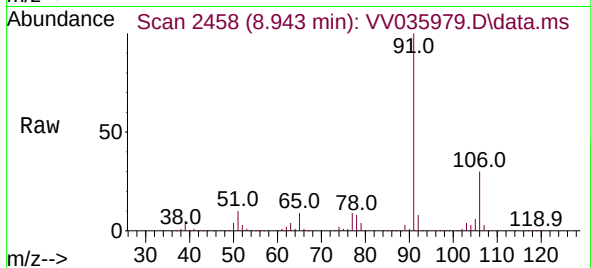
ClientSampleId :

Tgt Ion: 91 Resp: 760316

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-Xylene

Concen: 25.441 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035979.D

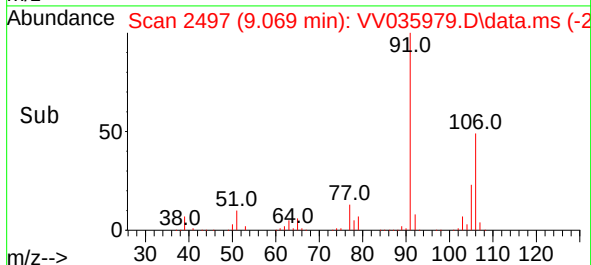
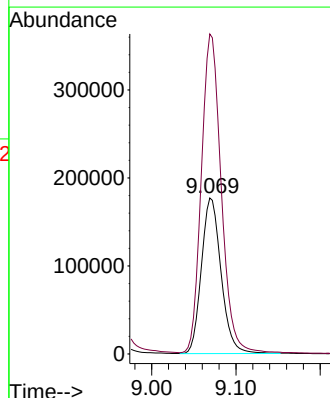
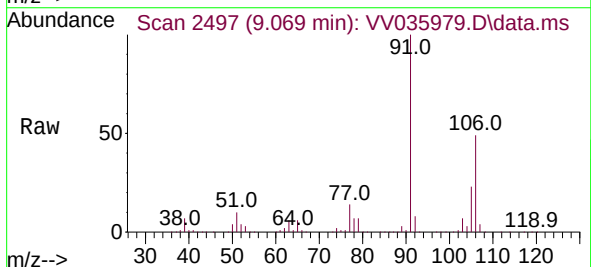
Acq: 06 Jun 2024 10:42

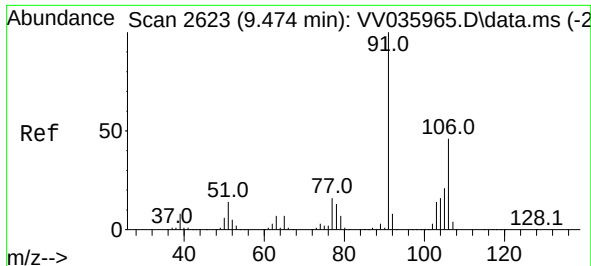
Tgt Ion: 106 Resp: 287343

Ion Ratio Lower Upper

106 100

91 205.1 143.1 265.9





#54

o-Xylene

Concen: 25.046 ug/L

RT: 9.477 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

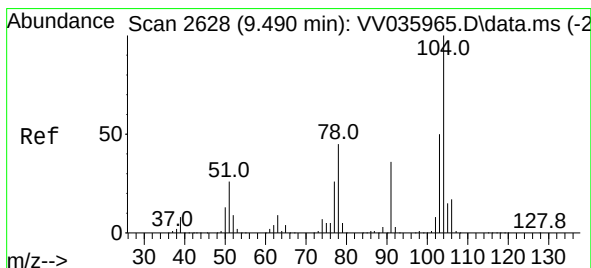
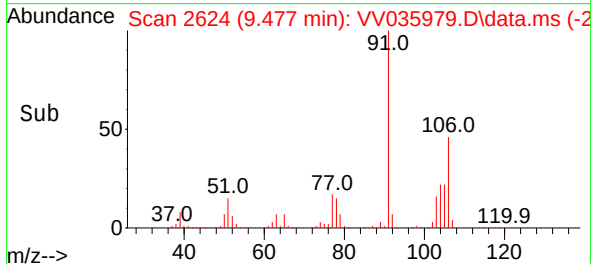
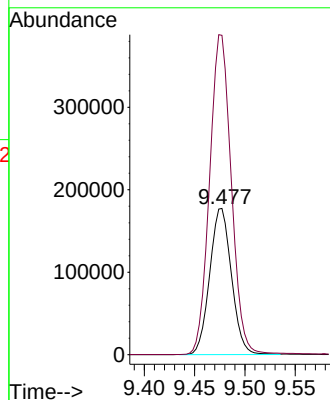
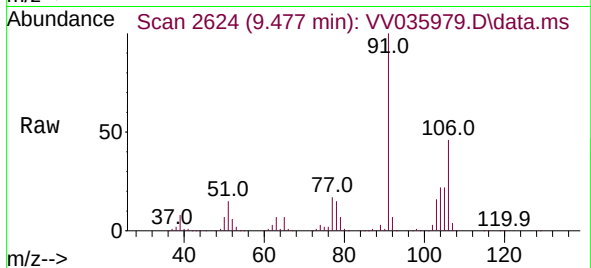
ClientSampleId :

Tgt Ion:106 Resp: 266770

Ion Ratio Lower Upper

106 100

91 218.4 154.5 286.9



#55

Styrene

Concen: 26.504 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV035979.D

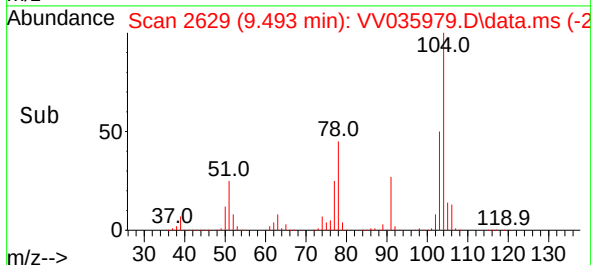
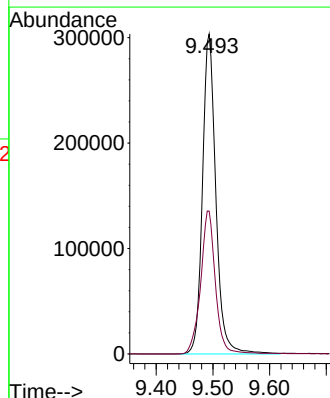
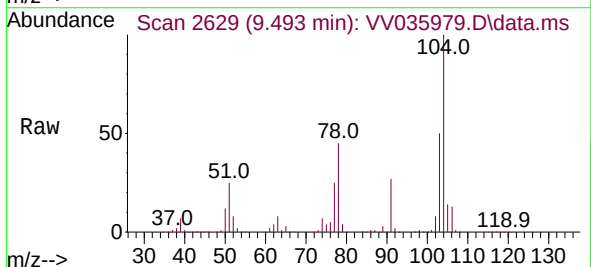
Acq: 06 Jun 2024 10:42

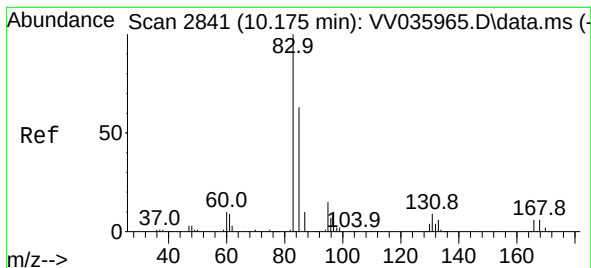
Tgt Ion:104 Resp: 497818

Ion Ratio Lower Upper

104 100

78 44.6 31.4 58.2

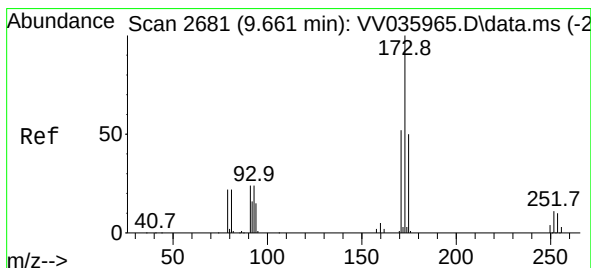
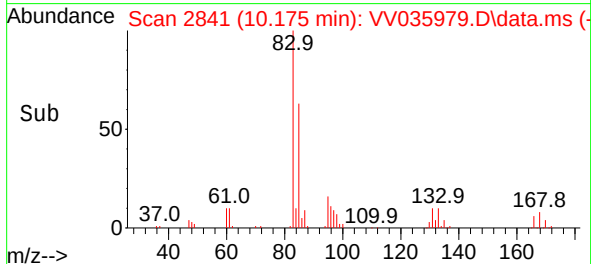
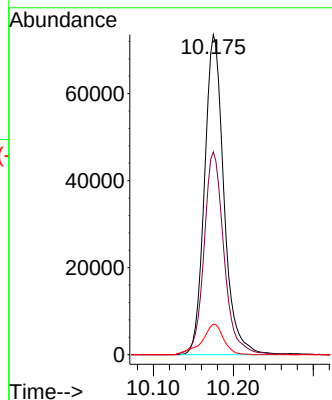
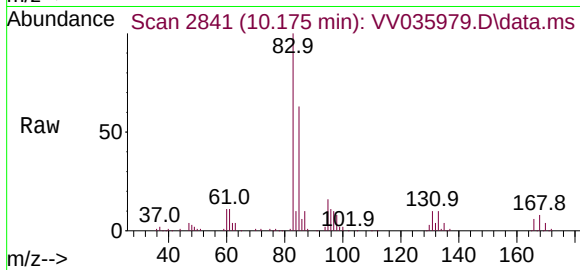




#57
1,1,2,2-Tetrachloroethane
Concen: 23.238 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

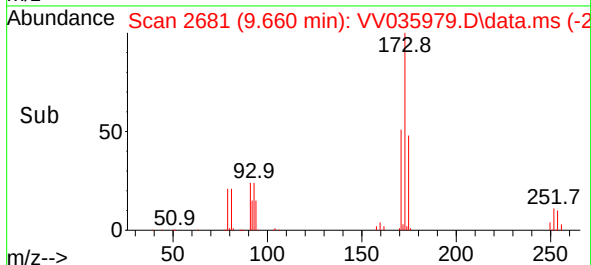
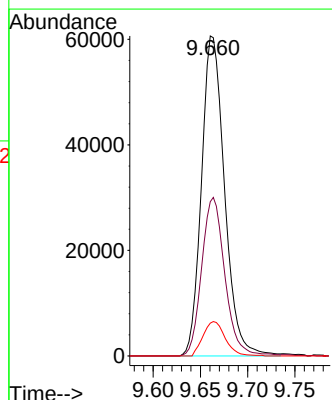
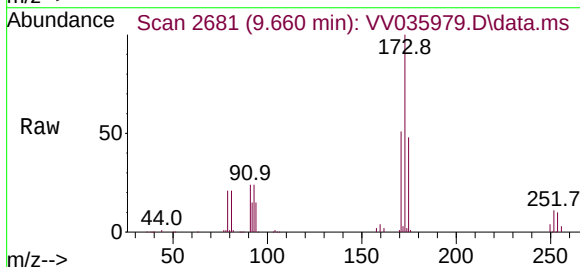
Instrument :
MSVOA_V
ClientSampleId :

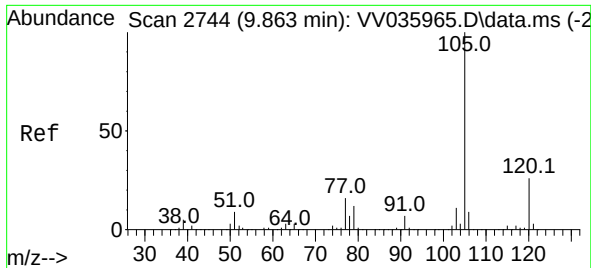
Tgt Ion: 83 Resp: 124300
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.7
131 9.6 7.6 11.4



#59
Bromoform
Concen: 24.125 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 173 Resp: 103068
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
254 10.3 8.6 13.0

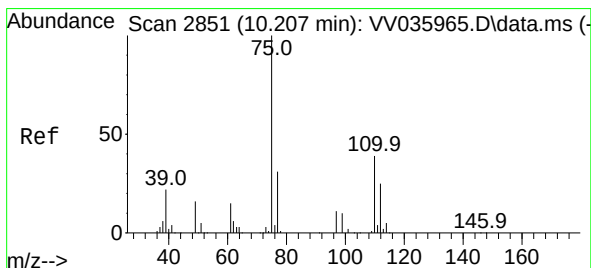
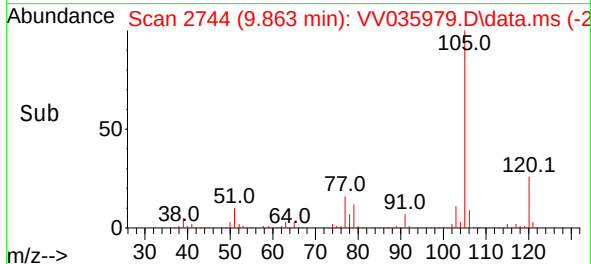
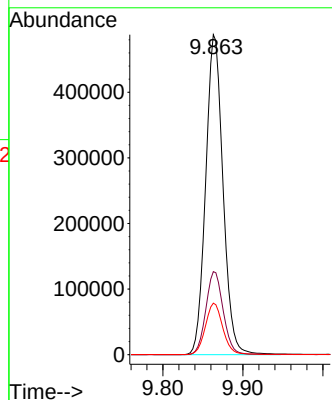
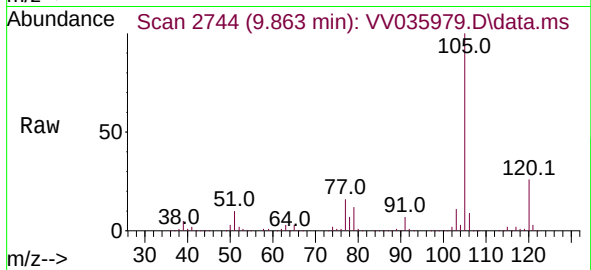




#60
Isopropylbenzene
Concen: 25.329 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

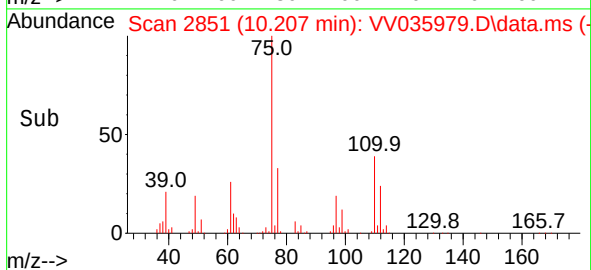
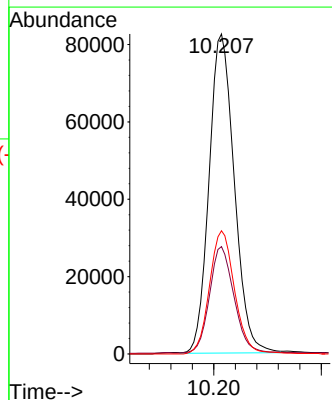
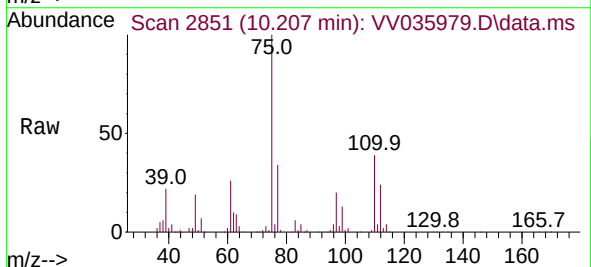
Instrument :
MSVOA_V
ClientSampleId :

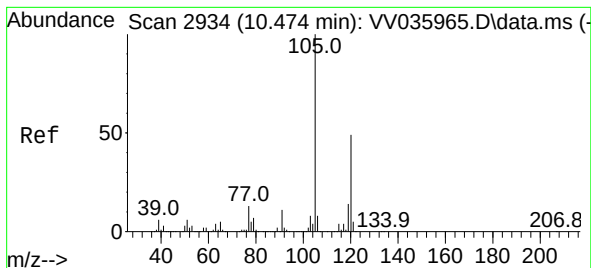
Tgt Ion:105 Resp: 736157
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 25.067 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV035979.D
Acq: 06 Jun 2024 10:42

Tgt Ion: 75 Resp: 134306
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.4 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 24.949 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

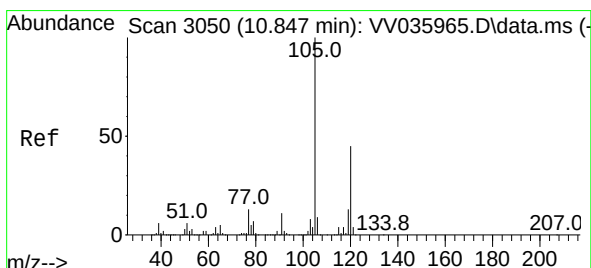
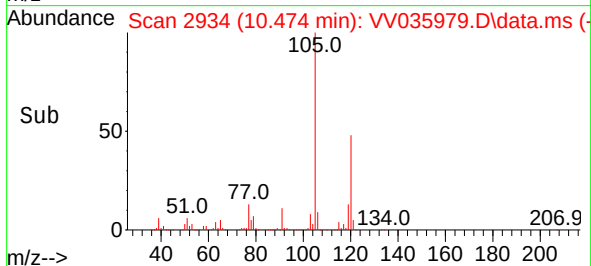
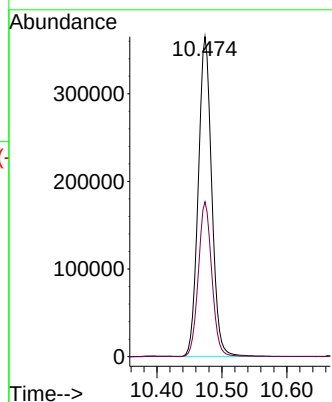
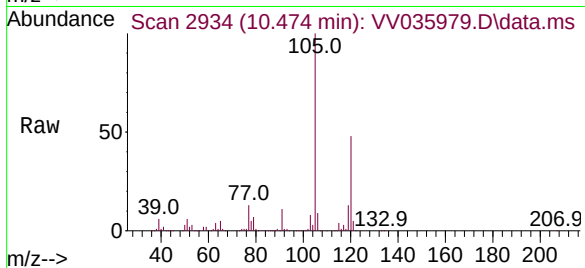
ClientSampleId :

Tgt Ion:105 Resp: 525815

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 25.439 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035979.D

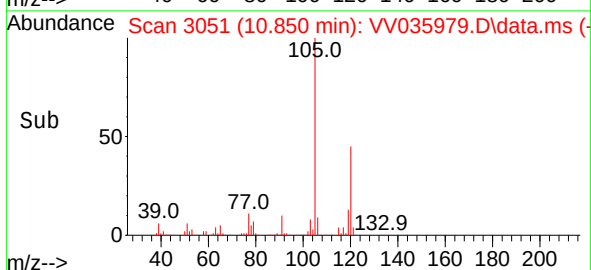
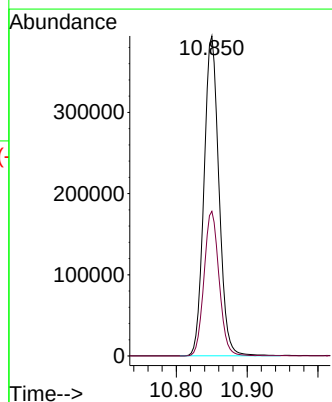
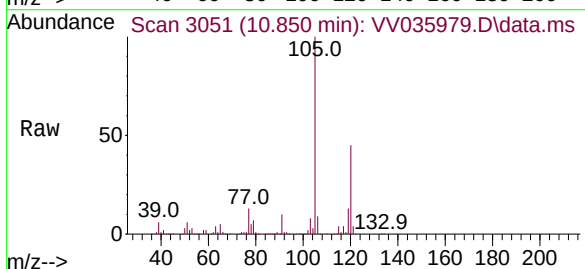
Acq: 06 Jun 2024 10:42

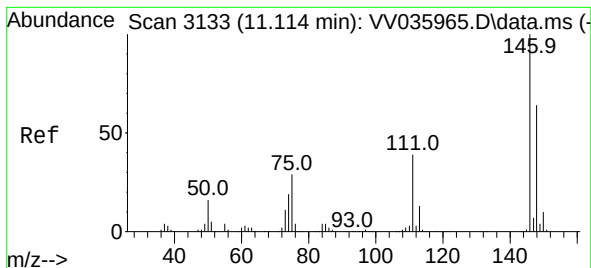
Tgt Ion:105 Resp: 577644

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 24.013 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

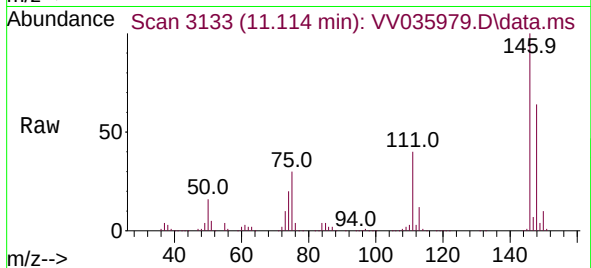
Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :



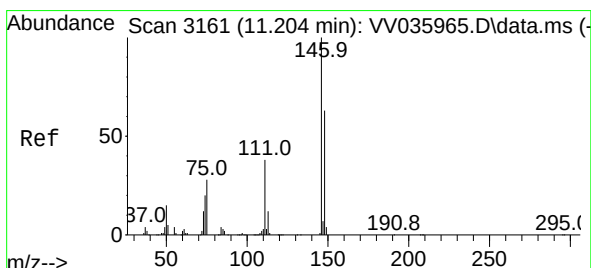
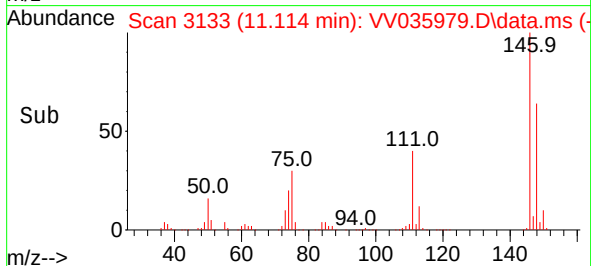
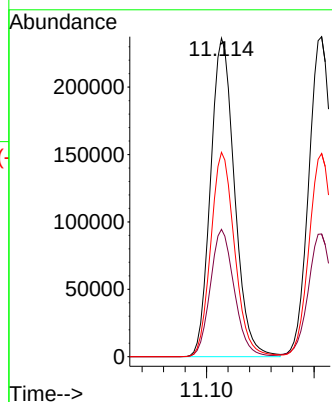
Tgt Ion:146 Resp: 366526

Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.1

148 64.1 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 24.020 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

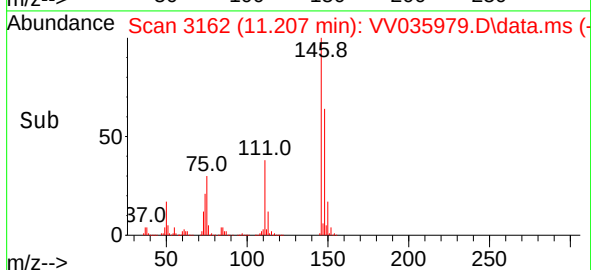
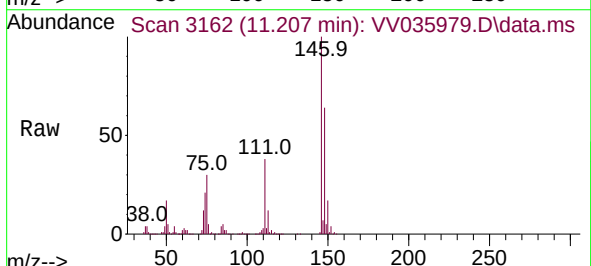
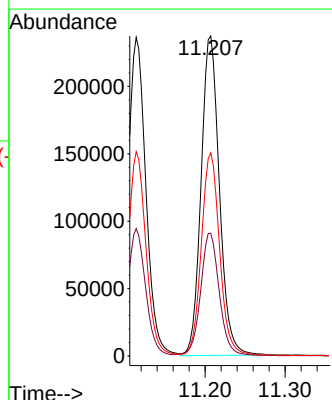
Tgt Ion:146 Resp: 378422

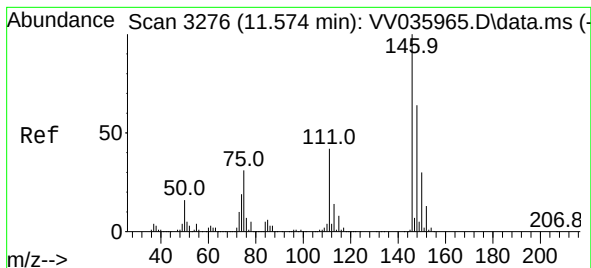
Ion Ratio Lower Upper

146 100

111 38.3 26.9 50.1

148 63.5 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 23.924 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

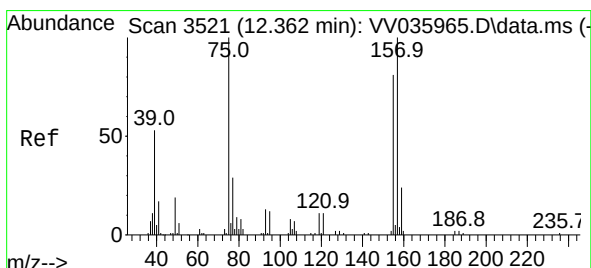
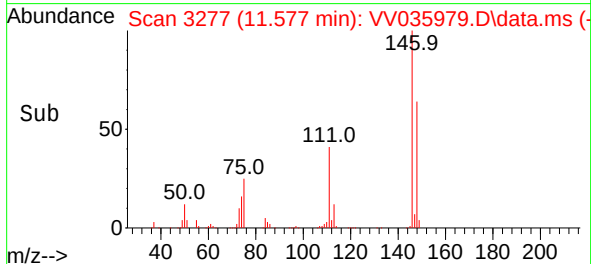
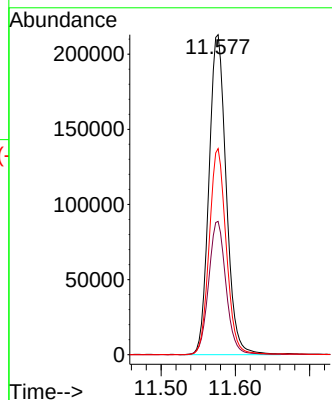
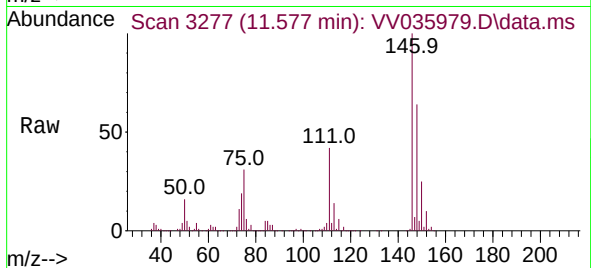
Tgt Ion:146 Resp: 343619

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 64.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 26.129 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

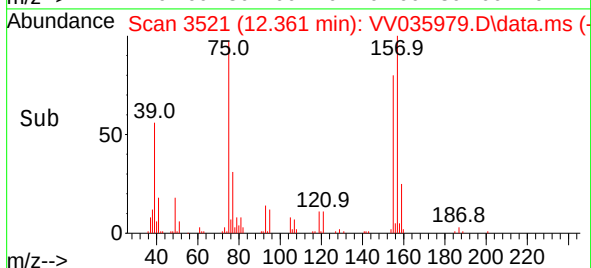
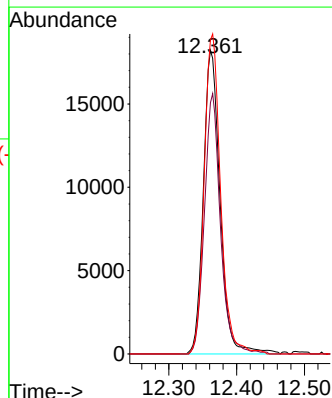
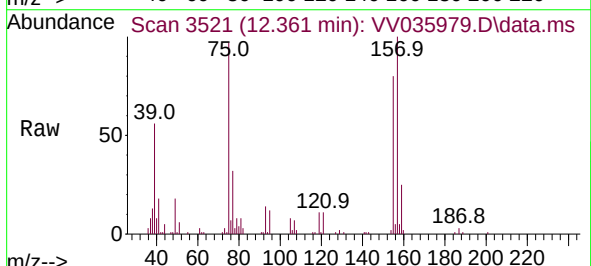
Tgt Ion: 75 Resp: 31306

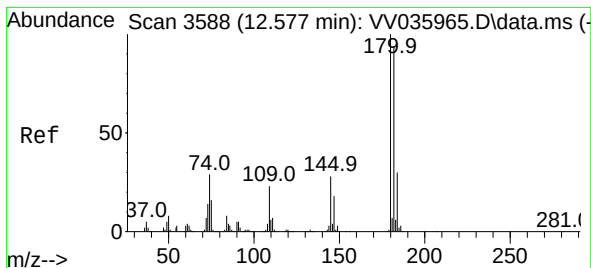
Ion Ratio Lower Upper

75 100

155 82.7 63.3 94.9

157 103.4 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 23.508 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

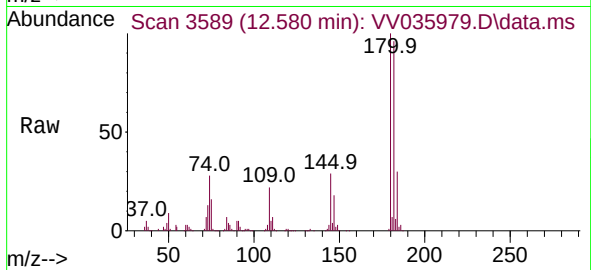
Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 268399

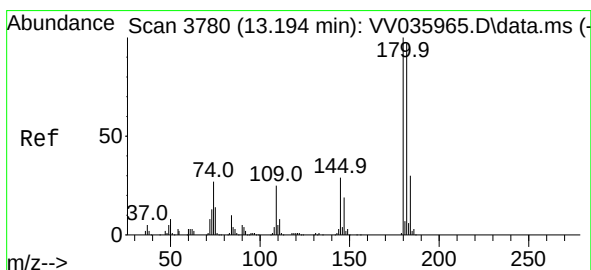
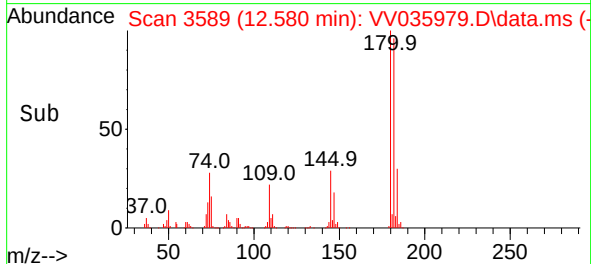
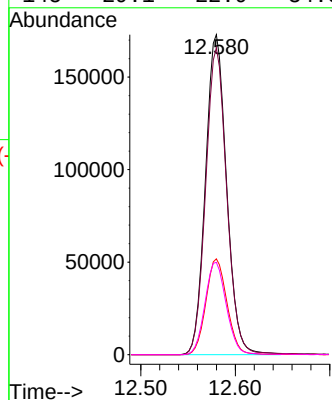
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

184 29.9 24.2 36.2

145 29.1 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 24.105 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

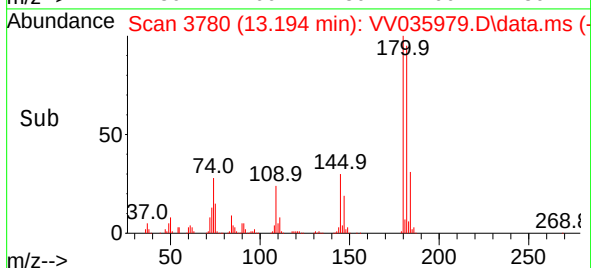
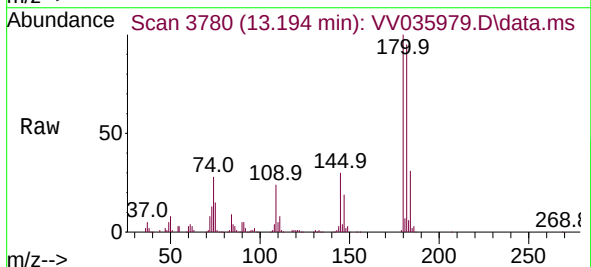
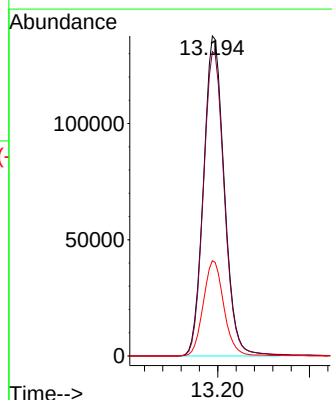
Tgt Ion:180 Resp: 216692

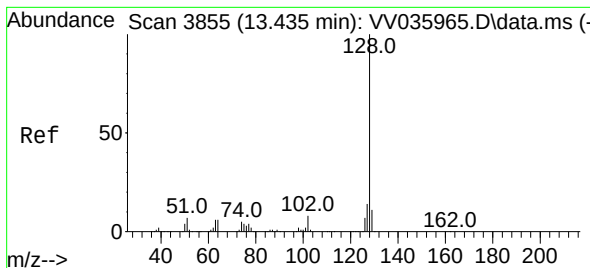
Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 29.3 23.5 35.3





#71

Naphthalene

Concen: 27.373 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Instrument :

MSVOA_V

ClientSampleId :

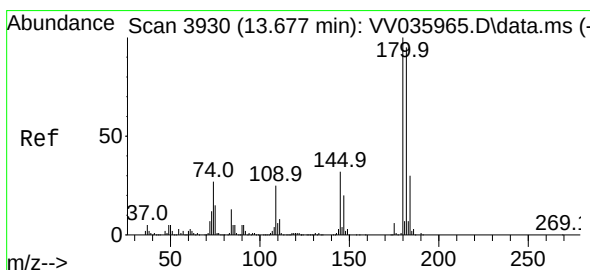
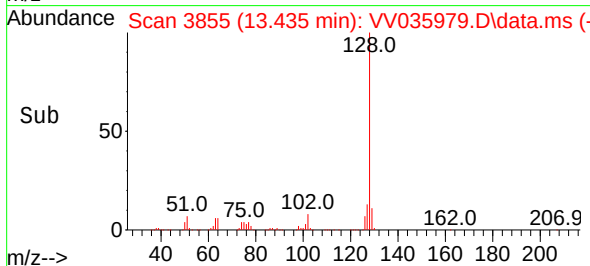
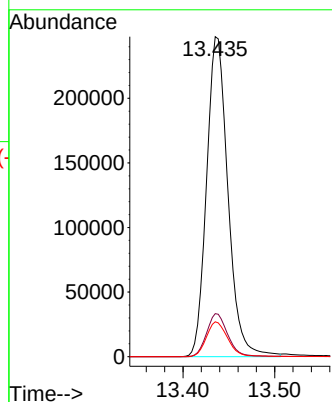
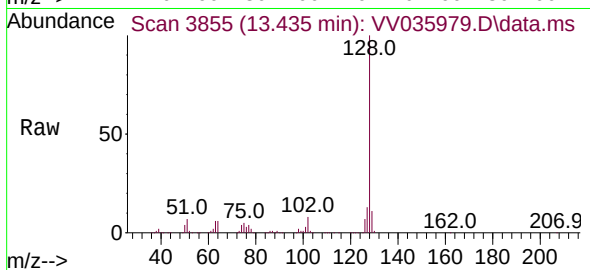
Tgt Ion:128 Resp: 401580

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: 25.738 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035979.D

Acq: 06 Jun 2024 10:42

Tgt Ion:180 Resp: 211139

Ion Ratio Lower Upper

180 100

182 95.9 75.1 112.7

145 31.0 25.2 37.8

