

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060424\
 Data File : VV035977.D
 Acq On : 04 Jun 2024 15:43
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 05 04:06:10 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	5.532	114	422536	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440308	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	248608	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170928	22.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.000%
7) Chloroethane-d5	1.529	69	137884	22.260	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.040%
11) 1,1-Dichloroethene-d2	2.050	65	74926	21.666	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.680%
21) 2-Butanone-d5	3.838	46	52164	29.267	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.540%
24) Chloroform-d	4.246	84	306614	22.825	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	4.941	65	162204	23.030	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.120%
32) Benzene-d6	4.957	84	591278	22.591	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.360%
36) 1,2-Dichloropropane-d6	5.986	67	183753	22.294	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.160%
41) Toluene-d8	7.239	98	542790	23.504	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.551	79	78243	23.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.600%
47) 2-Hexanone-d5	8.030	63	59867	53.611	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.220%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	140170	22.758	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	195943	21.493	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	181006	23.758	ug/L	100
3) Chloromethane	1.211	50	222091	25.401	ug/L	99
5) Vinyl chloride	1.278	62	229301	24.911	ug/L	100
6) Bromomethane	1.484	94	140483	24.602	ug/L	100
8) Chloroethane	1.545	64	144412	25.240	ug/L	100
9) Trichlorofluoromethane	1.709	101	287268	25.130	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	180947	24.942	ug/L	99
12) 1,1-Dichloroethene	2.063	96	167650	24.777	ug/L	96
13) Acetone	2.384	43	87470	31.505	ug/L	69
14) Carbon disulfide	2.233	76	569687	24.245	ug/L	99
15) Methyl Acetate	2.384	43	98056	28.414	ug/L	99
16) Methylene chloride	2.442	84	240211	25.124	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	177857	24.745	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	437636	27.122	ug/L	99
19) 1,1-Dichloroethane	3.105	63	350585	25.613	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	186989	25.891	ug/L	99
22) 2-Butanone	3.908	43	132453	56.224	ug/L	# 75
23) Bromochloromethane	4.143	128	97272	26.850	ug/L	99
25) Chloroform	4.272	83	358625	25.470	ug/L	100

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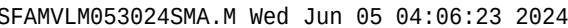
Instrument :
 MSVOA_V
 ClientSampleId :

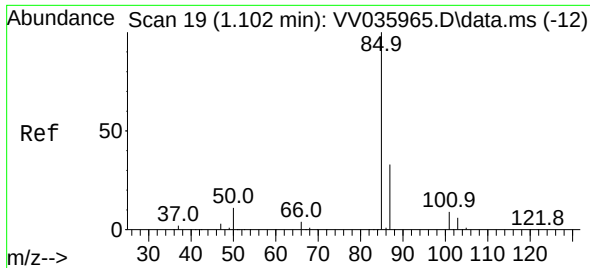
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 Quant Title : VOC Analysis
 QLast Update : Wed Jun 05 04:01:54 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	236381	26.890	ug/L	100
29) Cyclohexane	4.577	56	264959	25.274	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	297666	24.729	ug/L	99
31) Carbon tetrachloride	4.728	117	261470	24.760	ug/L	100
33) Benzene	5.005	78	747894	25.971	ug/L	100
34) Trichloroethene	5.828	95	228218	25.857	ug/L	100
35) Methylcyclohexane	6.047	83	313105	25.653	ug/L	99
37) 1,2-Dichloropropane	6.092	63	203207	26.874	ug/L	100
38) Bromodichloromethane	6.429	83	259780	25.956	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	296299	26.199	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	246120	59.909	ug/L	100
42) Toluene	7.313	91	797149	27.090	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	269414	27.579	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	164991	26.371	ug/L	98
46) Tetrachloroethene	7.902	164	157295	24.368	ug/L	99
48) 2-Hexanone	8.079	43	204447	63.656	ug/L	98
49) Dibromochloromethane	8.175	129	180555	26.368	ug/L	98
50) 1,2-Dibromoethane	8.281	107	160839	26.791	ug/L	99
51) Chlorobenzene	8.812	112	509342	25.404	ug/L	99
52) Ethylbenzene	8.944	91	833250	26.467	ug/L	99
53) m,p-Xylene	9.072	106	319093	26.974	ug/L	98
54) o-Xylene	9.477	106	295070	26.450	ug/L	98
55) Styrene	9.493	104	562561	28.596	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	139466	24.895	ug/L	98
59) Bromoform	9.664	173	120834	25.773	ug/L	99
60) Isopropylbenzene	9.866	105	809996	25.396	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	154341	26.250	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	583545	25.231	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	648002	26.004	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	411095	24.543	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	426708	24.681	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	388695	24.660	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35034	26.646	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	297454	23.741	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	245755	24.911	ug/L	99
71) Naphthalene	13.435	128	434785	27.006	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	236671	26.290	ug/L	99

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

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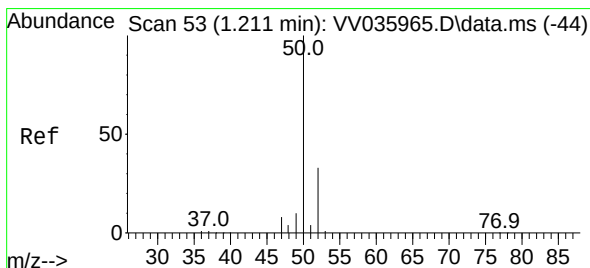
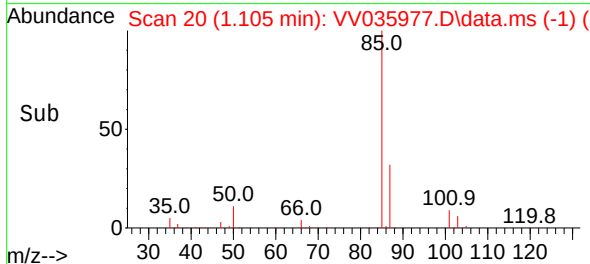
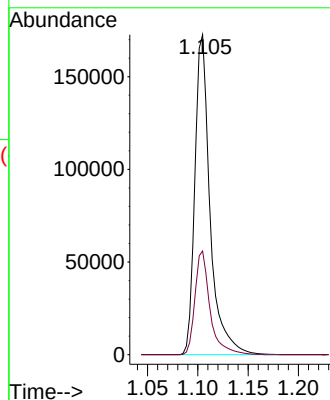
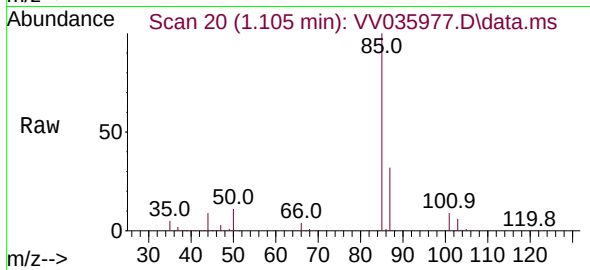




#2
 Dichlorodifluoromethane
 Concen: 23.758 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV035977.D
 Acq: 04 Jun 2024 15:43

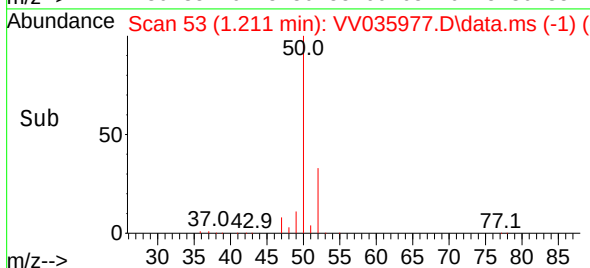
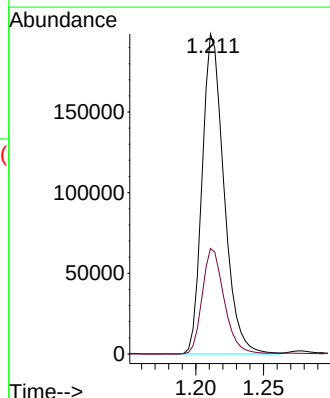
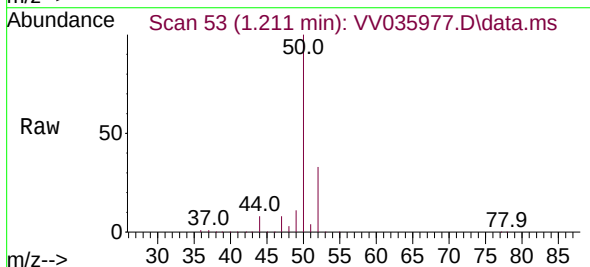
Instrument :
 MSVOA_V
 ClientSampleId :

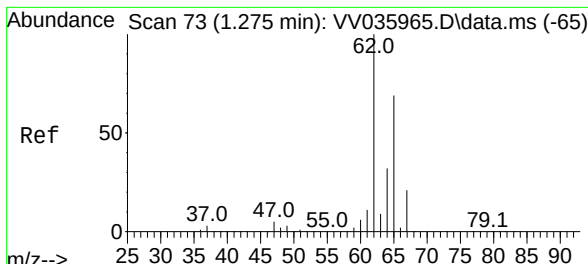
Tgt Ion: 85 Resp: 181006
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 25.401 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV035977.D
 Acq: 04 Jun 2024 15:43

Tgt Ion: 50 Resp: 222091
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.8 42.4



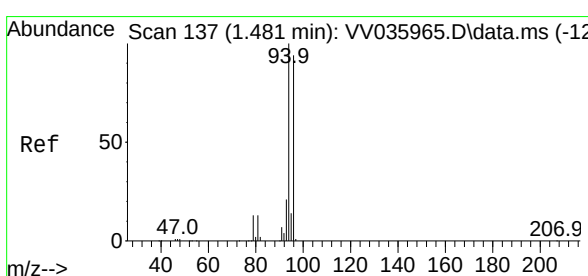
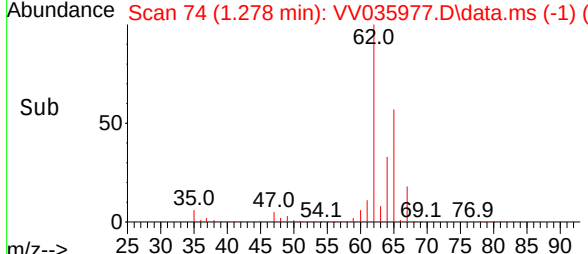
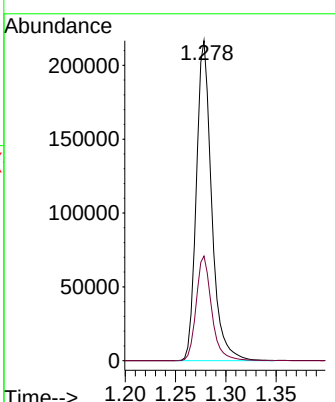
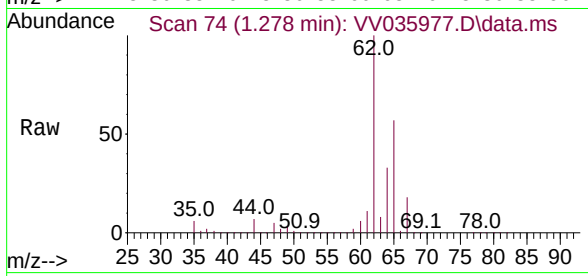


#5
 Vinyl chloride
 Concen: 24.911 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV035977.D
 Acq: 04 Jun 2024 15:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 62 Resp: 229301

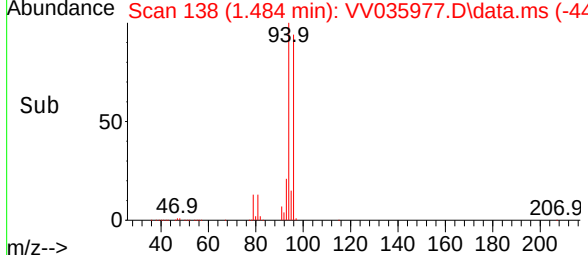
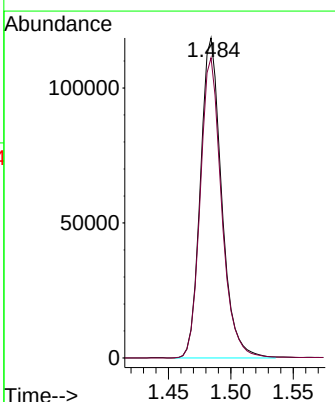
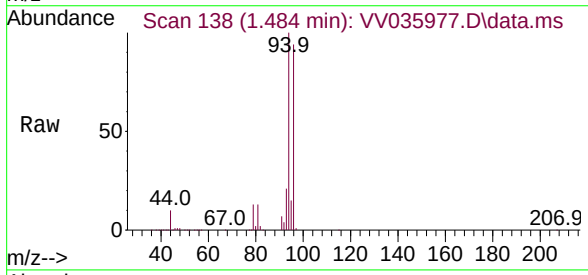
Ion	Ratio	Lower	Upper
62	100		
64	32.7	22.9	42.5

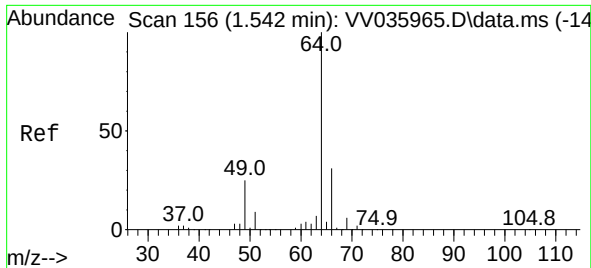


#6
 Bromomethane
 Concen: 24.602 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV035977.D
 Acq: 04 Jun 2024 15:43

Tgt Ion: 94 Resp: 140483

Ion	Ratio	Lower	Upper
94	100		
96	93.8	65.7	122.1

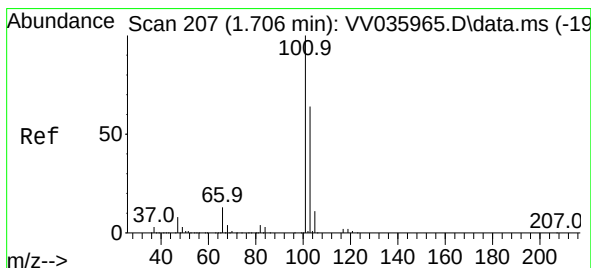
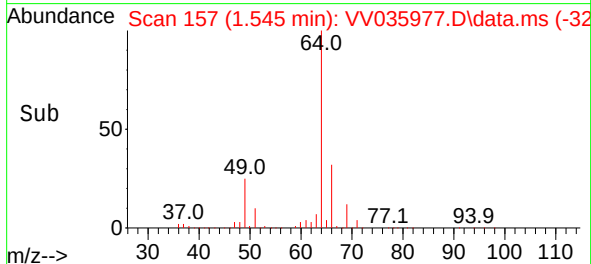
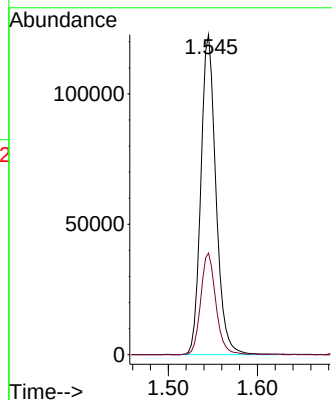
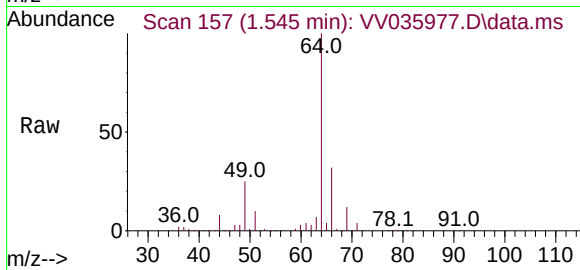




#8
Chloroethane
Concen: 25.240 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

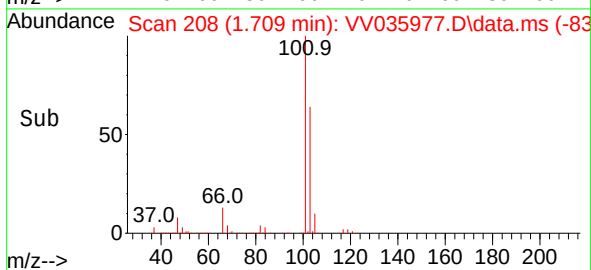
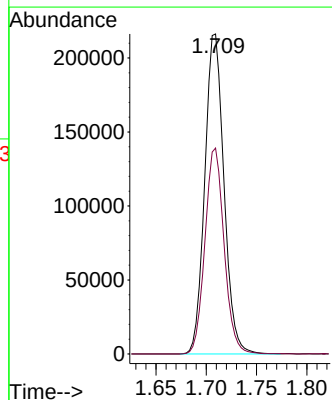
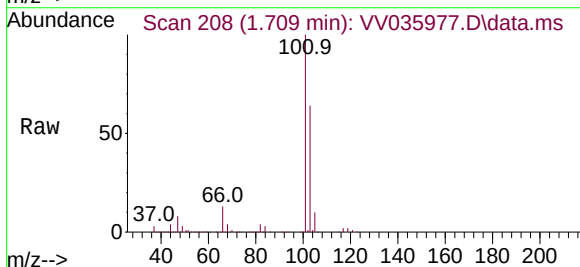
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MSVOA_V
ClientSampleId :

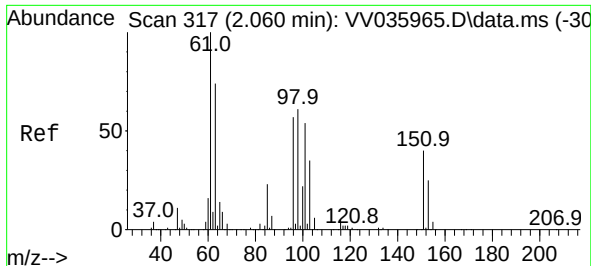
Tgt Ion: 64 Resp: 144412
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 25.130 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion:101 Resp: 287268
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

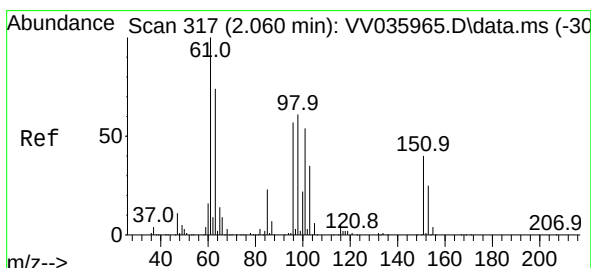
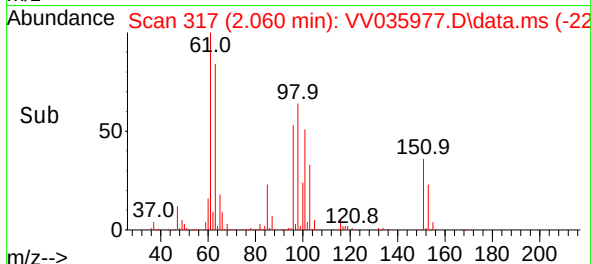
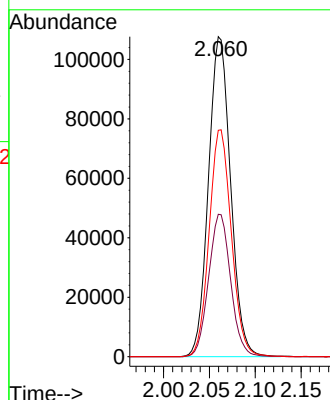
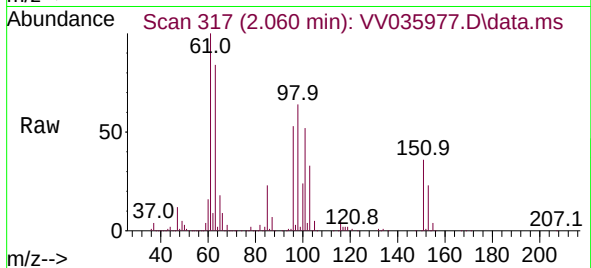




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 24.942 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.000 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

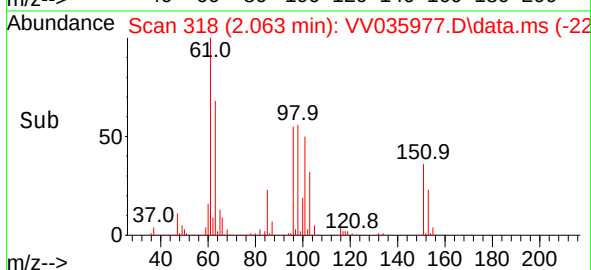
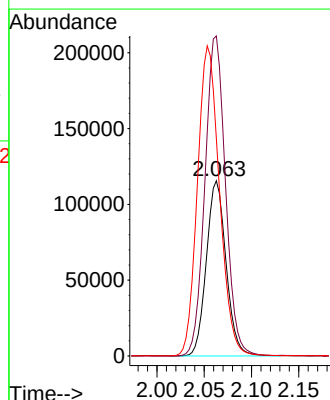
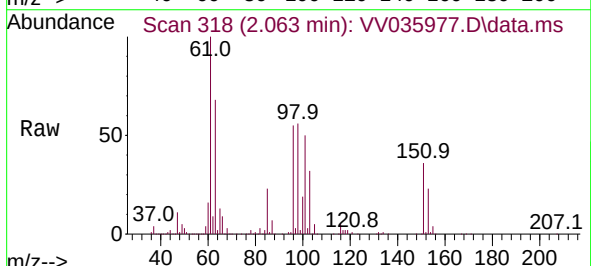
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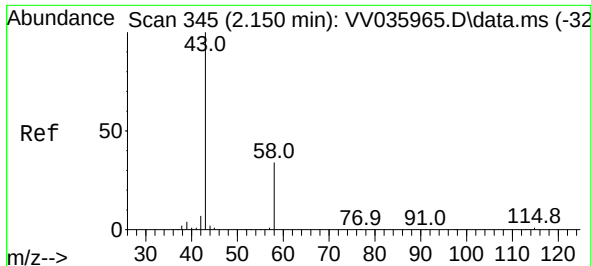
Tgt Ion:101 Resp: 180947
Ion Ratio Lower Upper
101 100
85 44.2 34.5 51.7
151 71.2 56.3 84.5



#12
1,1-Dichloroethene
Concen: 24.777 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion: 96 Resp: 167650
Ion Ratio Lower Upper
96 100
61 182.6 127.3 236.3
63 124.1 93.7 173.9





#13

Acetone

Concen: 31.505 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.235 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

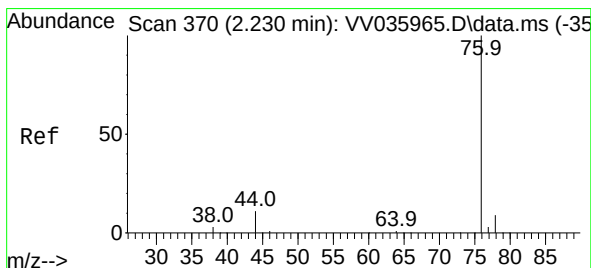
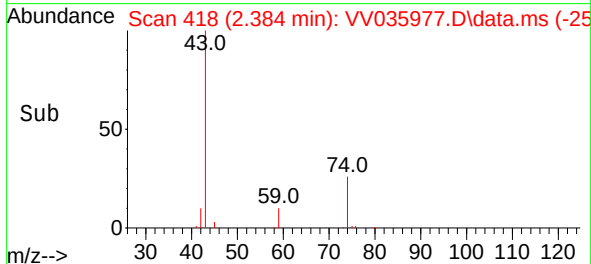
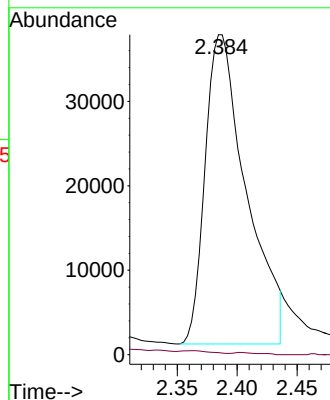
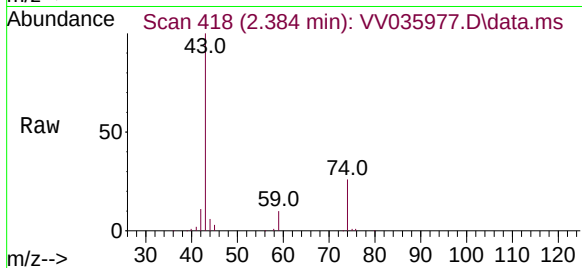
ClientSampleId :

Tgt Ion: 43 Resp: 87470

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 24.245 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV035977.D

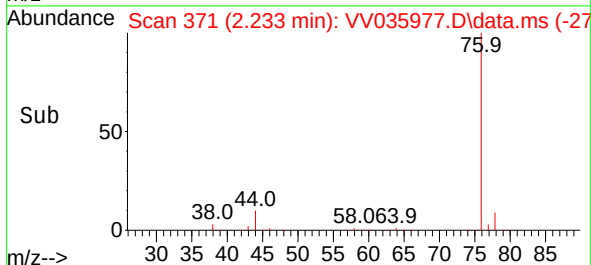
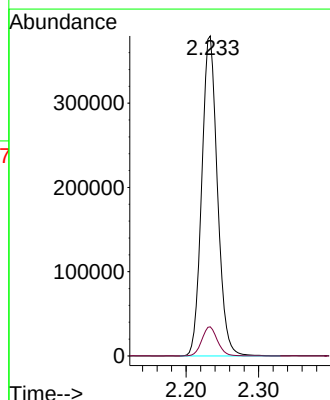
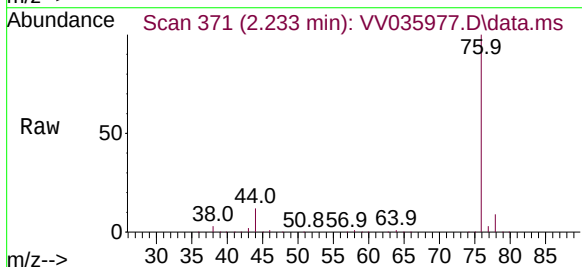
Acq: 04 Jun 2024 15:43

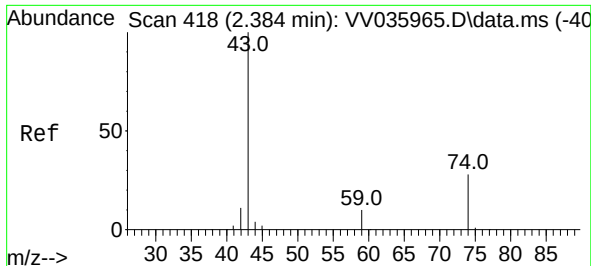
Tgt Ion: 76 Resp: 569687

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 28.414 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

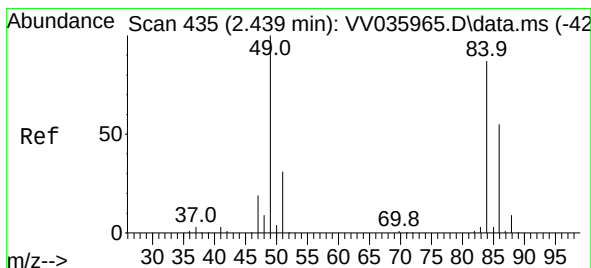
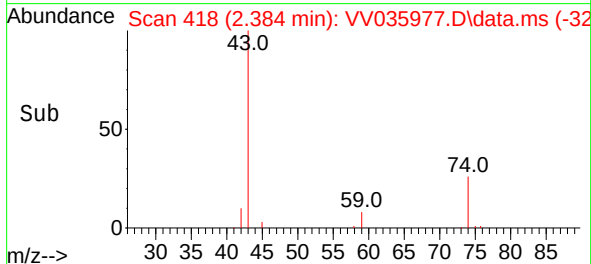
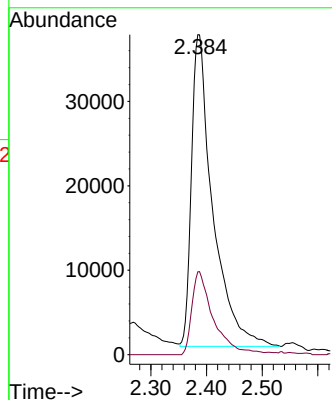
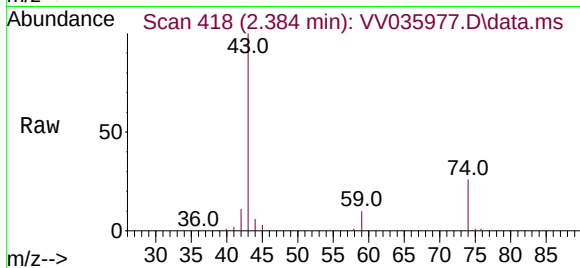
ClientSampleId :

Tgt Ion: 43 Resp: 98056

Ion Ratio Lower Upper

43 100

74 26.5 21.4 32.2



#16

Methylene chloride

Concen: 25.124 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

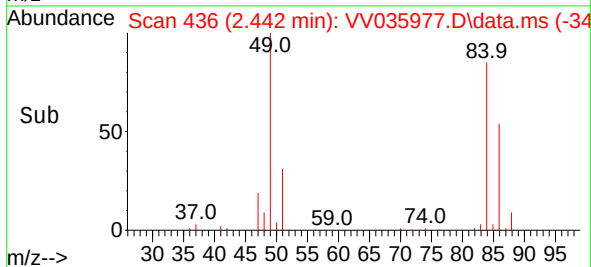
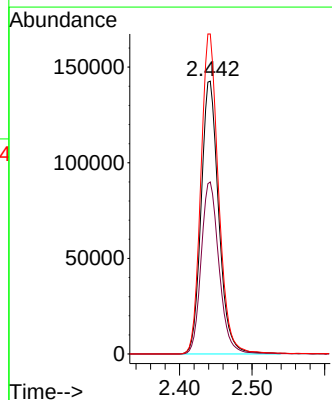
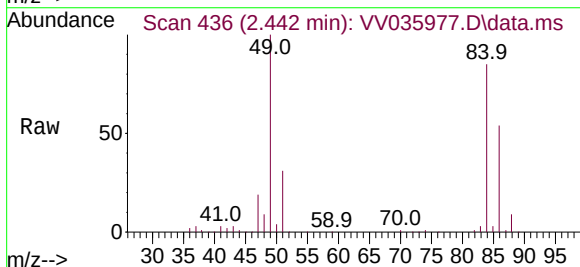
Tgt Ion: 84 Resp: 240211

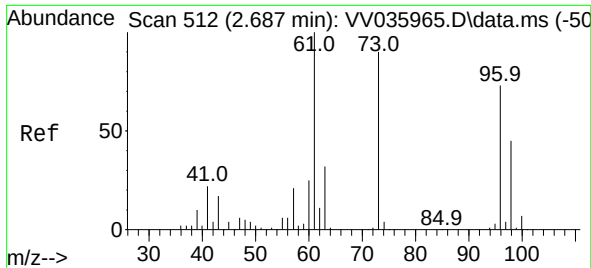
Ion Ratio Lower Upper

84 100

86 63.0 44.6 82.8

49 117.3 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 24.745 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

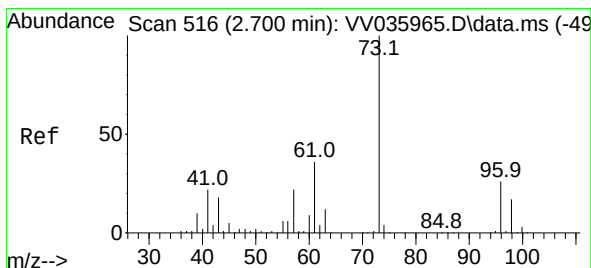
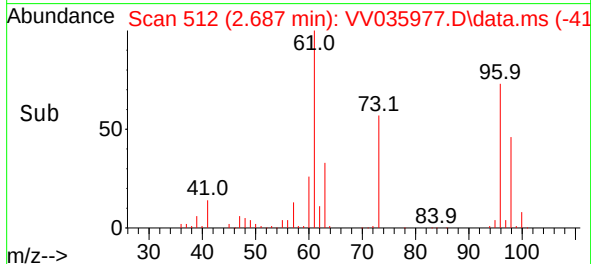
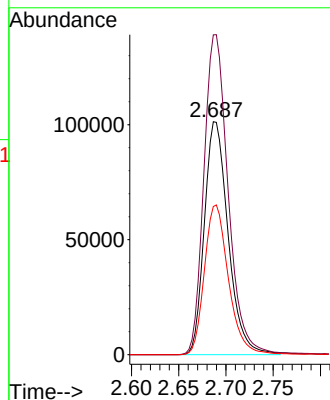
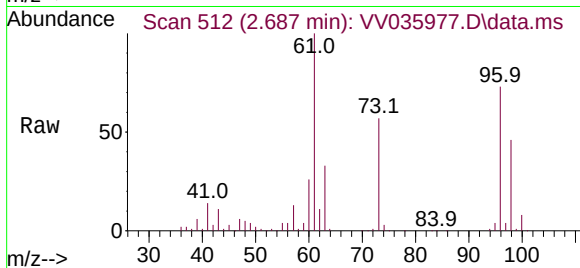
Tgt Ion: 96 Resp: 177857

Ion Ratio Lower Upper

96 100

61 137.3 99.4 184.6

98 63.6 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 27.122 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.006 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

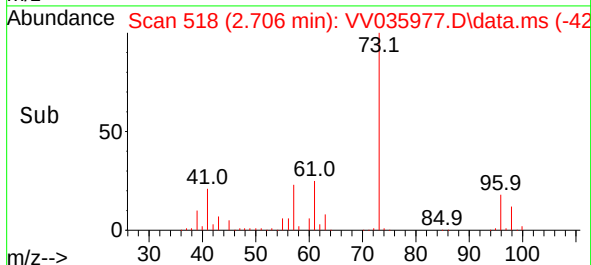
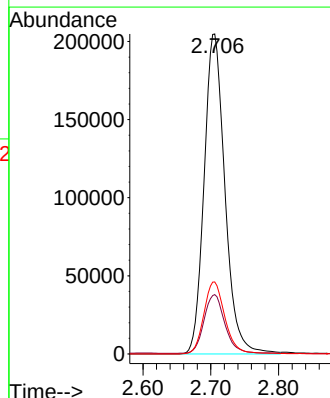
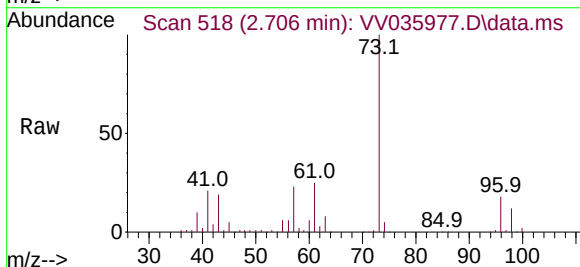
Tgt Ion: 73 Resp: 437636

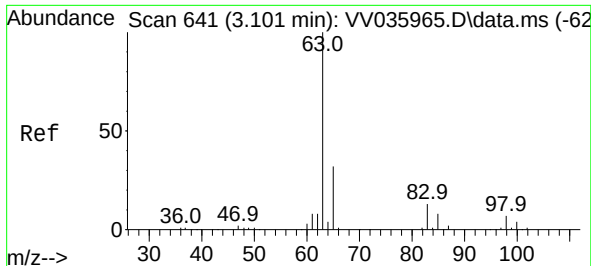
Ion Ratio Lower Upper

73 100

43 18.2 14.3 21.5

57 22.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 25.613 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

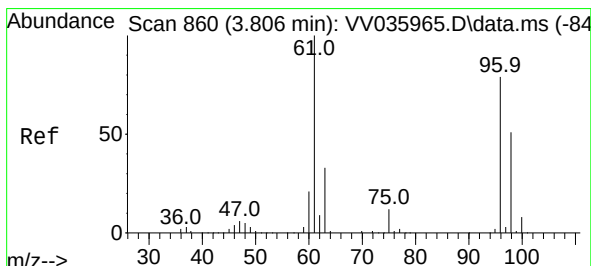
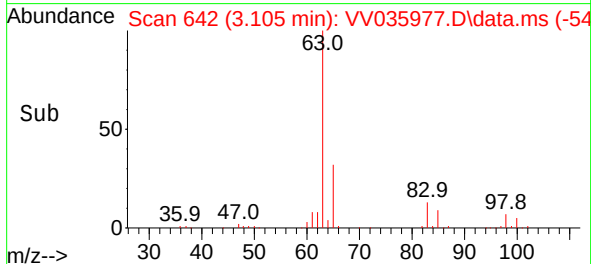
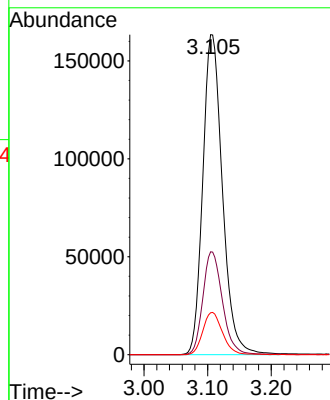
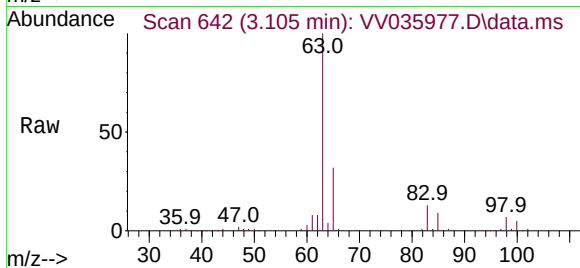
Tgt Ion: 63 Resp: 350585

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 13.1 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 25.891 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

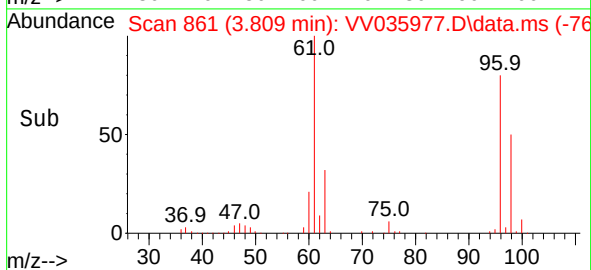
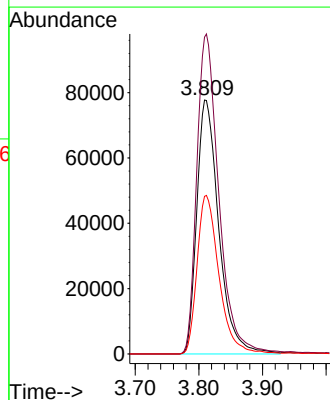
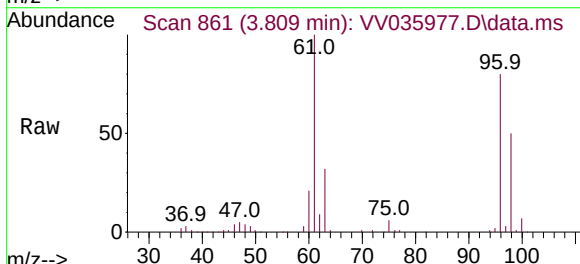
Tgt Ion: 96 Resp: 186989

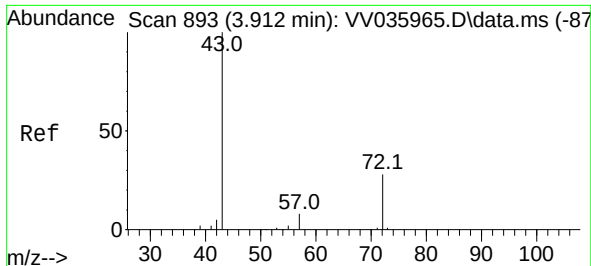
Ion Ratio Lower Upper

96 100

61 124.7 87.9 163.3

98 62.0 44.4 82.5





#22

2-Butanone

Concen: 56.224 ug/L

RT: 3.908 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

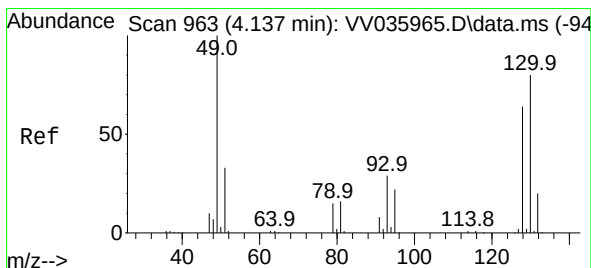
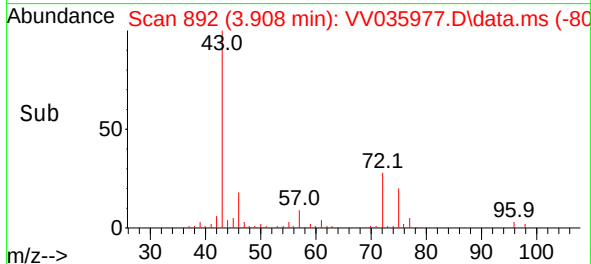
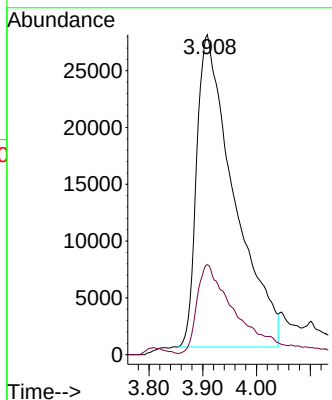
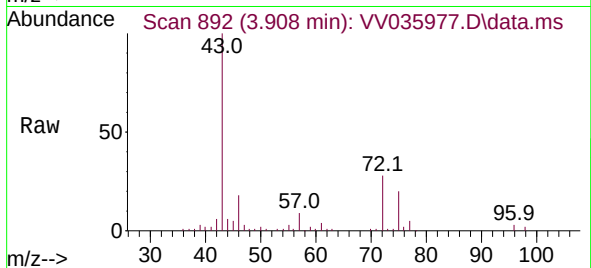
ClientSampleId :

Tgt Ion: 43 Resp: 132453

Ion Ratio Lower Upper

43 100

72 27.2 8.2 24.4#



#23

Bromochloromethane

Concen: 26.850 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.006 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Tgt Ion:128 Resp: 97272

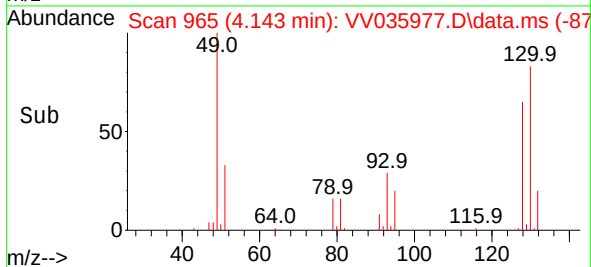
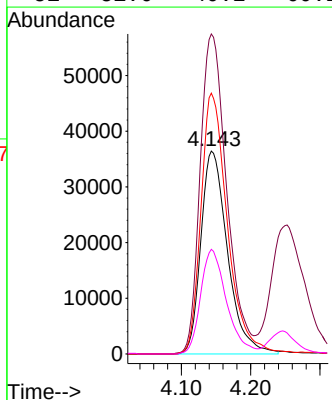
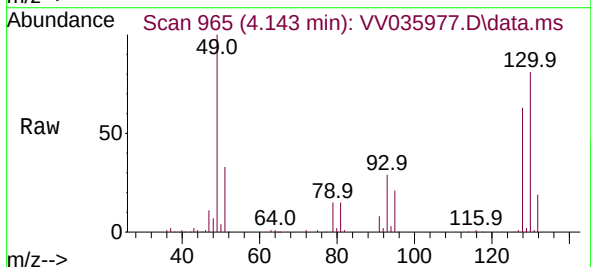
Ion Ratio Lower Upper

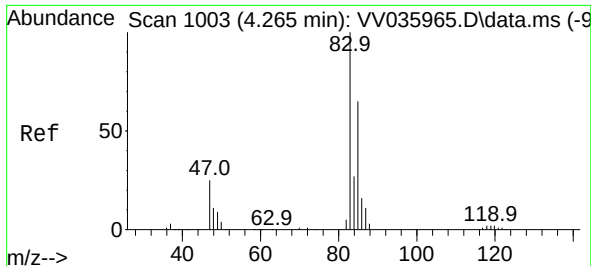
128 100

49 157.7 110.2 204.6

130 128.5 90.2 167.4

51 51.6 40.2 60.2





#25

Chloroform

Concen: 25.470 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

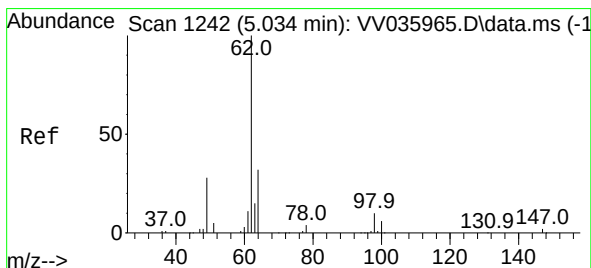
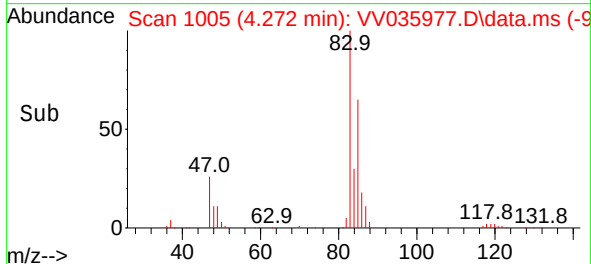
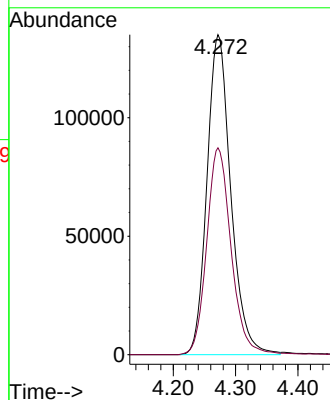
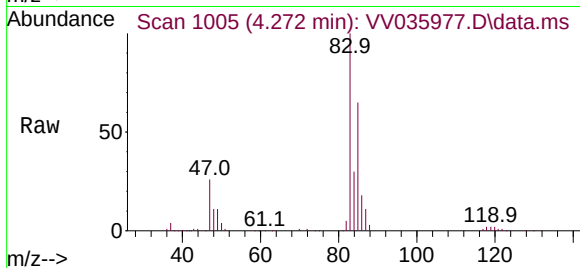
ClientSampleId :

Tgt Ion: 83 Resp: 358625

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 26.890 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VV035977.D

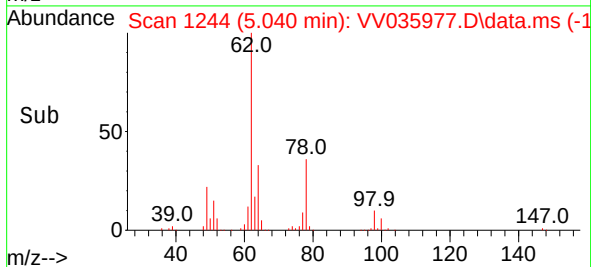
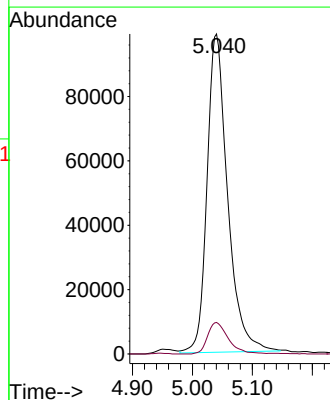
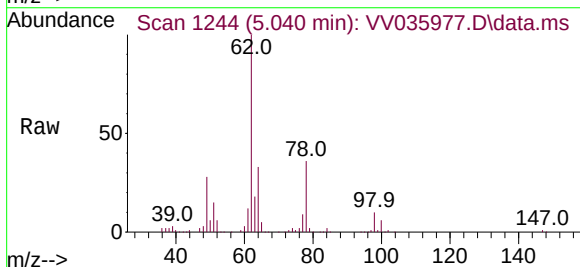
Acq: 04 Jun 2024 15:43

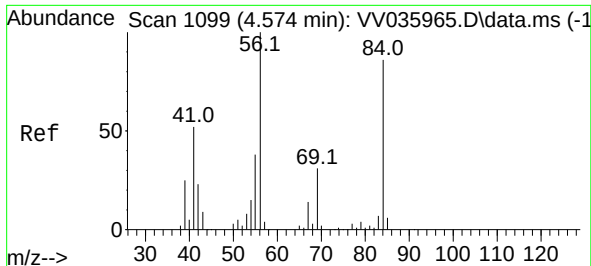
Tgt Ion: 62 Resp: 236381

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 25.274 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

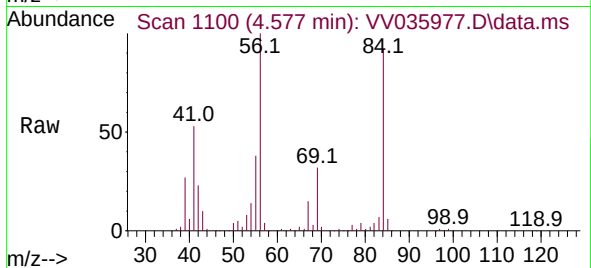
Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :



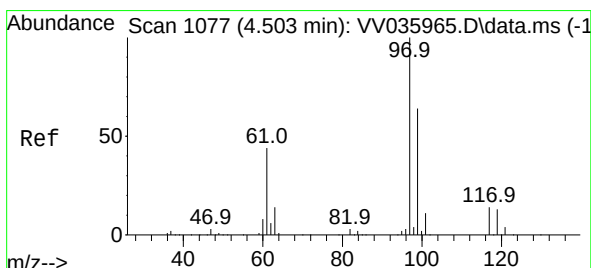
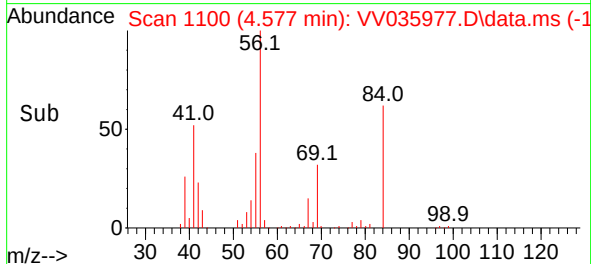
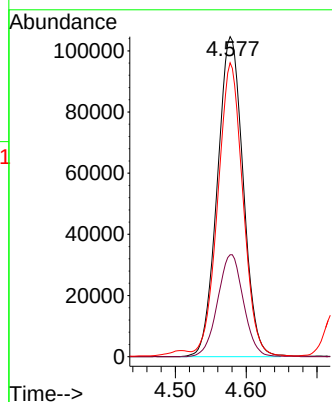
Tgt Ion: 56 Resp: 264959

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 89.3 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 24.729 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

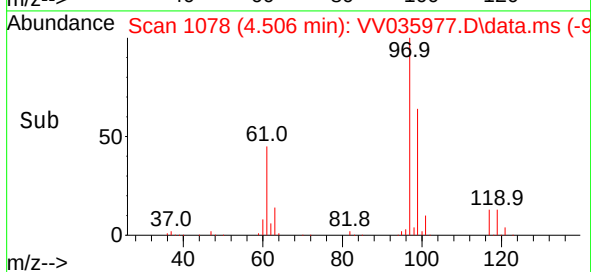
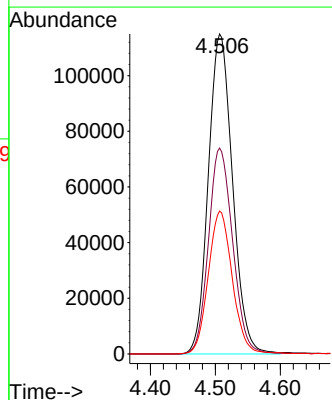
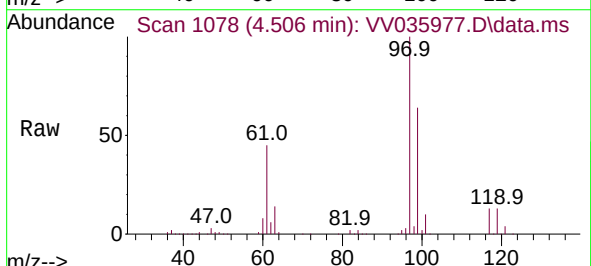
Tgt Ion: 97 Resp: 297666

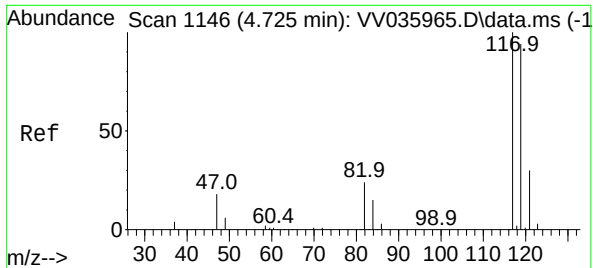
Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 44.3 35.0 52.6

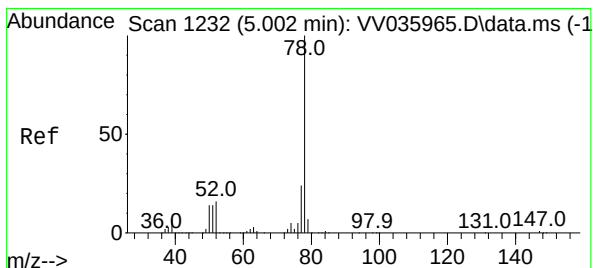
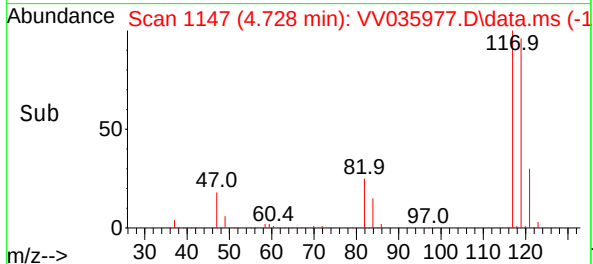
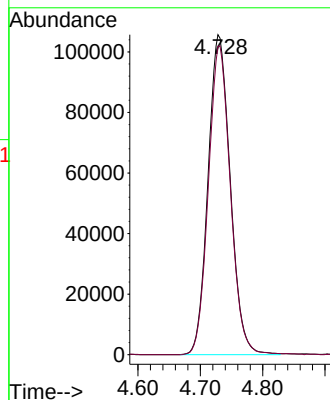
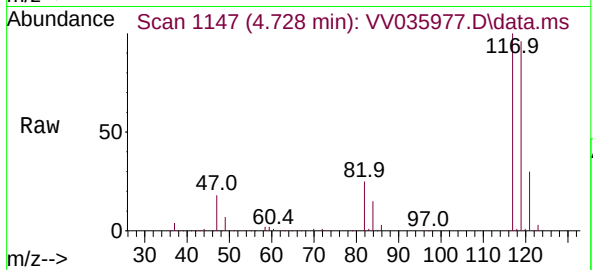




#31
Carbon tetrachloride
Concen: 24.760 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

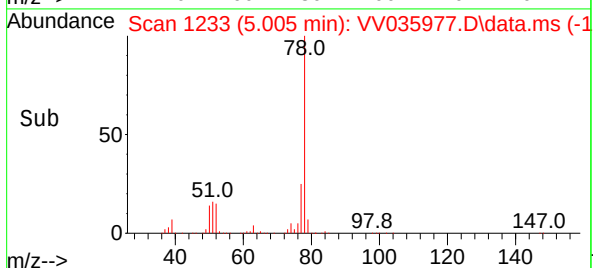
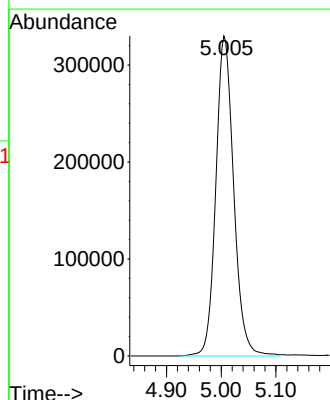
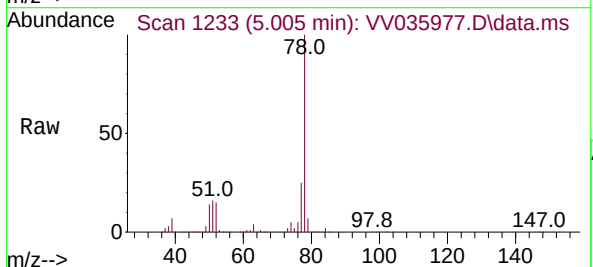
Instrument :
MSVOA_V
ClientSampleId :

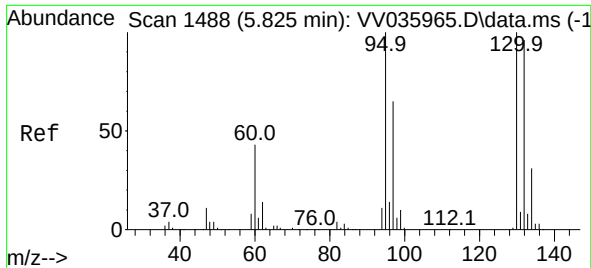
Tgt Ion:117 Resp: 261470
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2



#33
Benzene
Concen: 25.971 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion: 78 Resp: 747894





#34

Trichloroethene

Concen: 25.857 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 228218

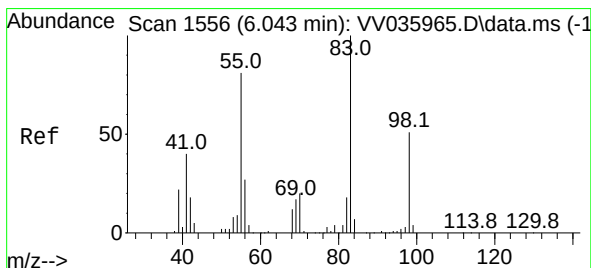
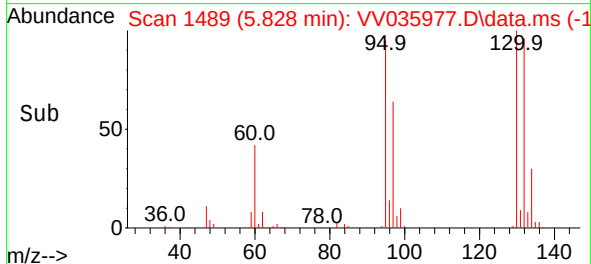
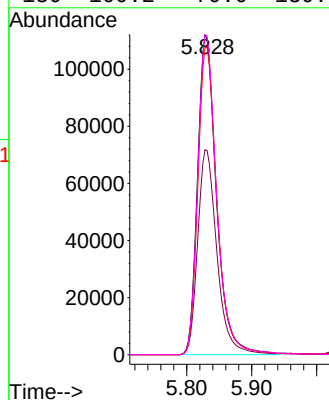
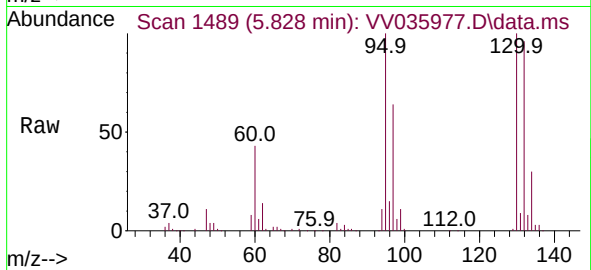
Ion Ratio Lower Upper

95 100

97 64.2 44.8 83.2

132 96.0 66.8 124.2

130 100.2 70.0 130.0



#35

Methylcyclohexane

Concen: 25.653 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

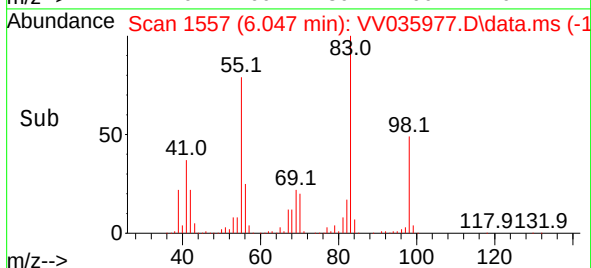
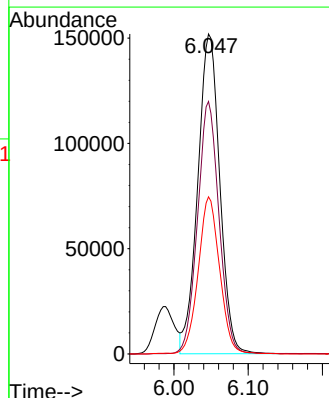
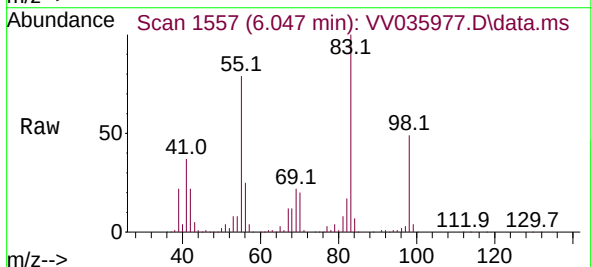
Tgt Ion: 83 Resp: 313105

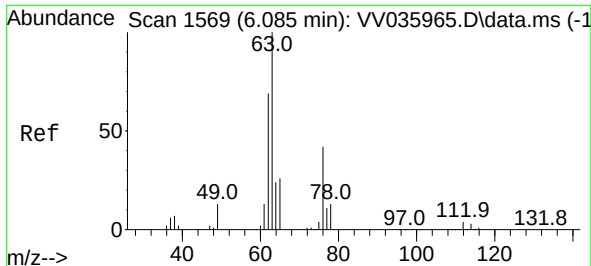
Ion Ratio Lower Upper

83 100

55 76.8 60.7 91.1

98 47.9 38.7 58.1

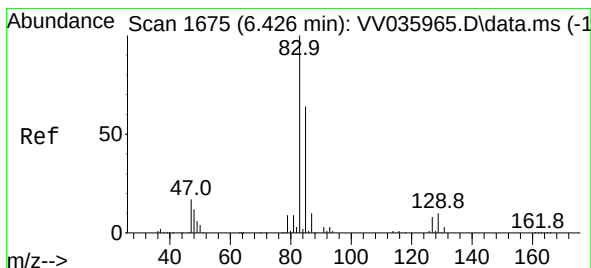
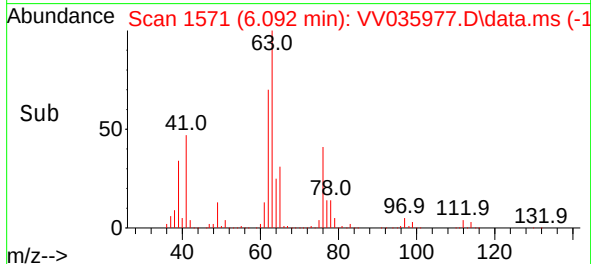
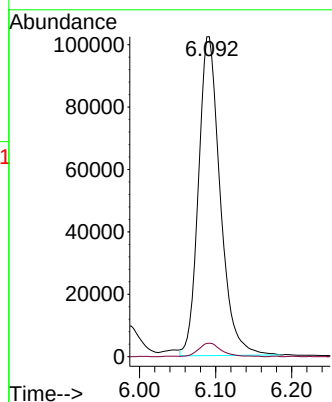
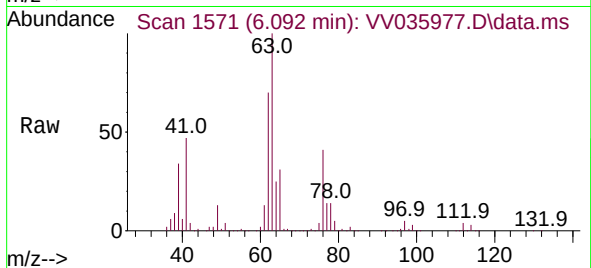




#37
1,2-Dichloropropane
Concen: 26.874 ug/L
RT: 6.092 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

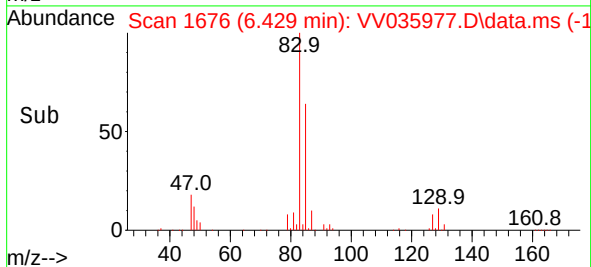
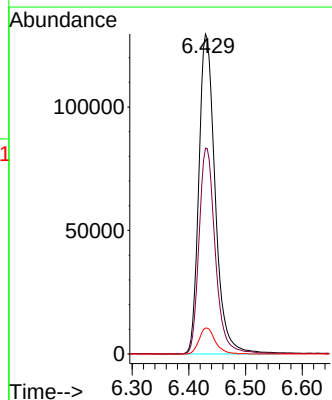
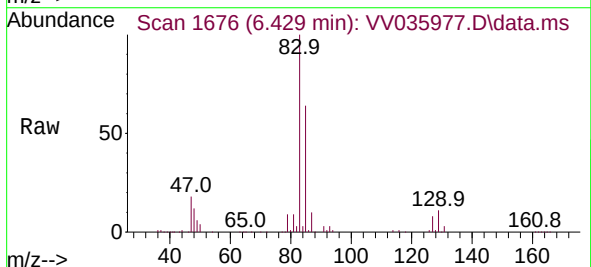
Instrument :
MSVOA_V
ClientSampleId :

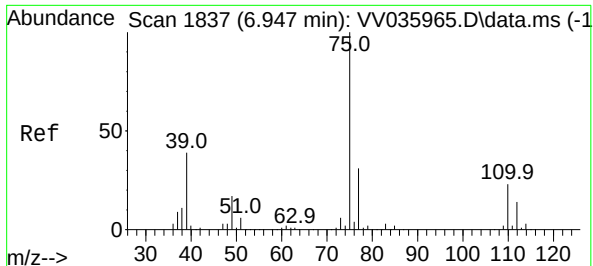
Tgt Ion: 63 Resp: 203207
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 25.956 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion: 83 Resp: 259780
Ion Ratio Lower Upper
83 100
85 64.3 45.3 84.1
127 8.1 6.7 10.1

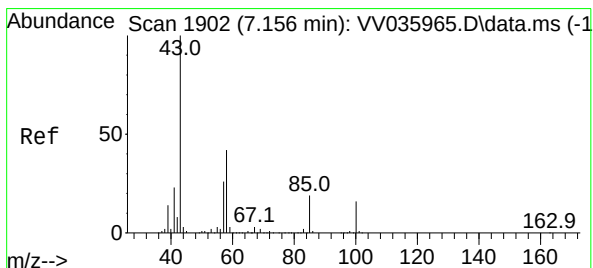
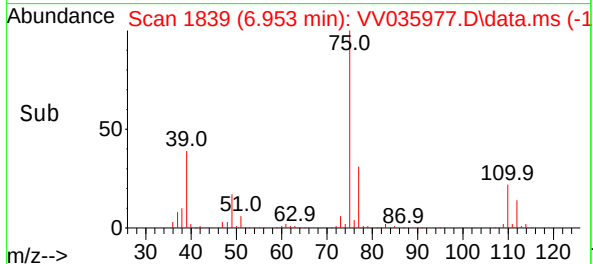
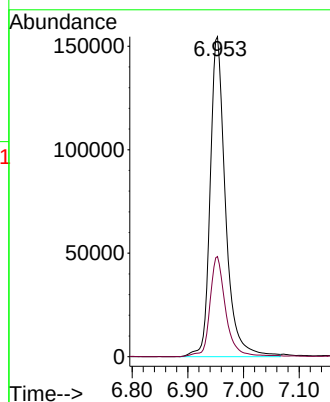
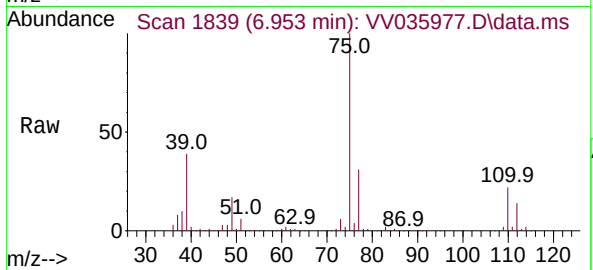




#39
cis-1,3-Dichloropropene
Concen: 26.199 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. 0.006 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

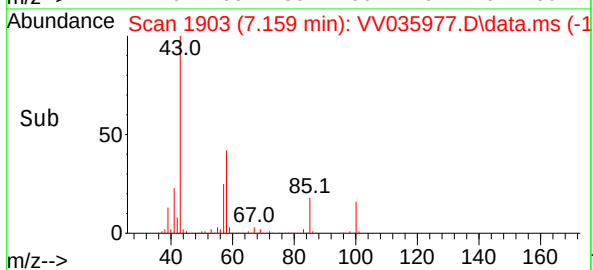
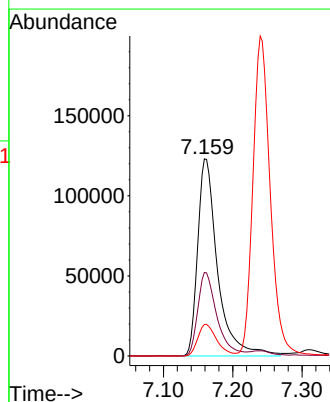
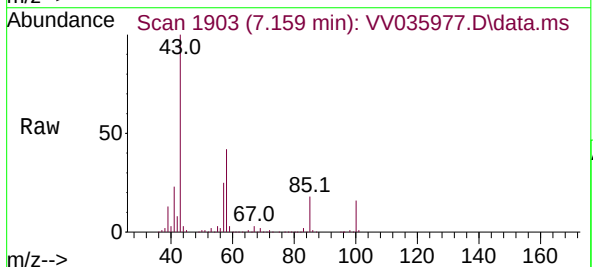
Instrument :
MSVOA_V
ClientSampleId :

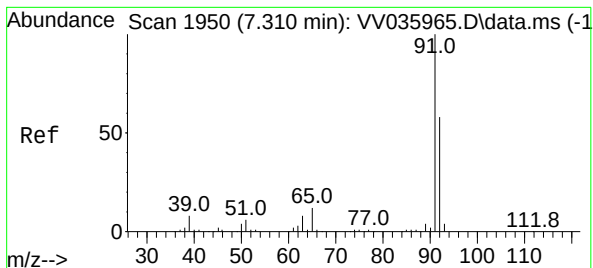
Tgt Ion: 75 Resp: 296299
Ion Ratio Lower Upper
75 100
77 31.3 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 59.909 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion: 43 Resp: 246120
Ion Ratio Lower Upper
43 100
58 40.8 32.5 48.7
100 15.3 12.5 18.7





#42

Toluene

Concen: 27.090 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

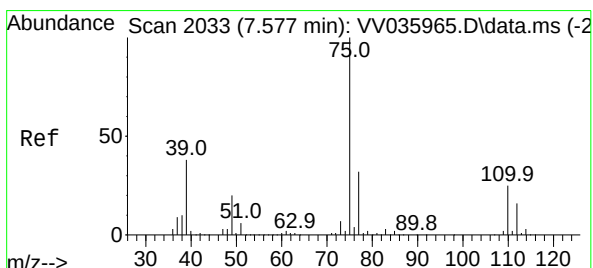
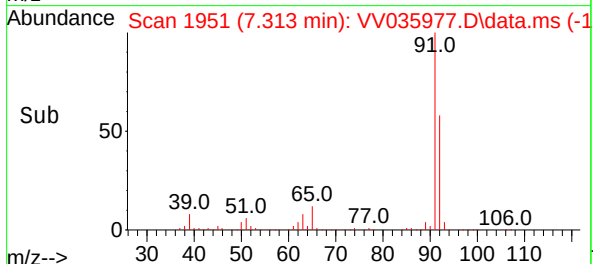
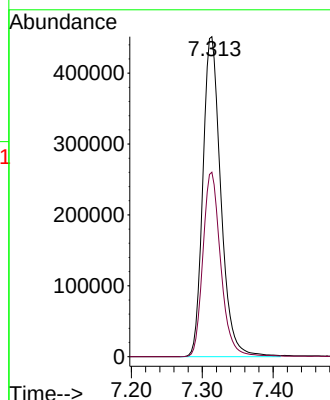
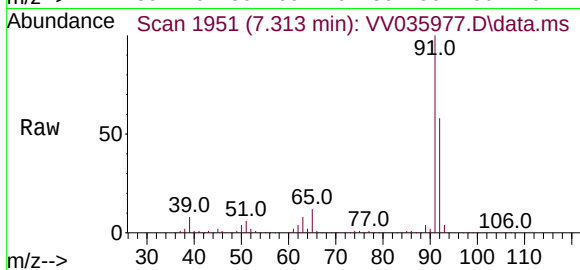
ClientSampleId :

Tgt Ion: 91 Resp: 797149

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 27.579 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035977.D

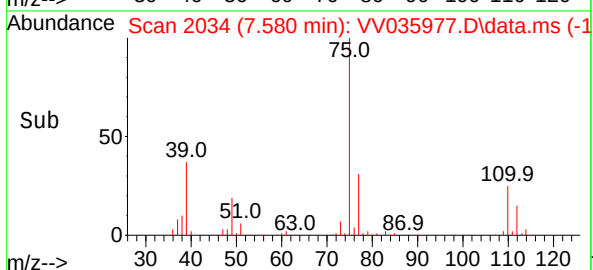
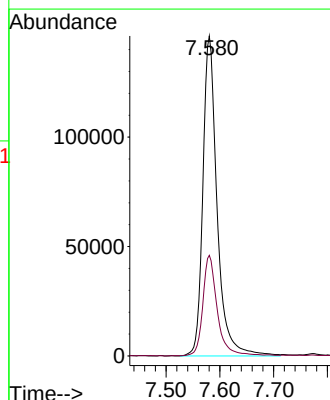
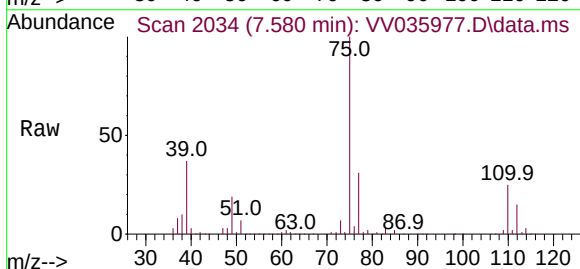
Acq: 04 Jun 2024 15:43

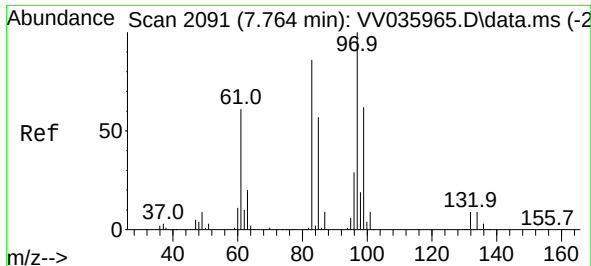
Tgt Ion: 75 Resp: 269414

Ion Ratio Lower Upper

75 100

77 31.5 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 26.371 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 164991

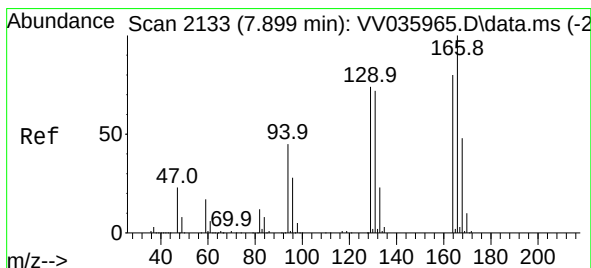
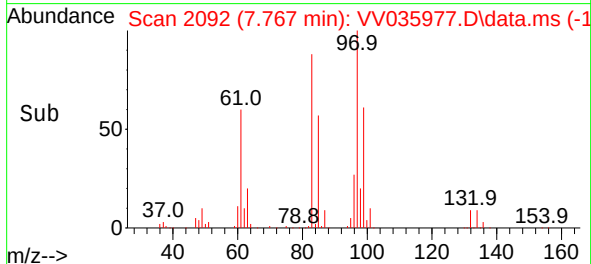
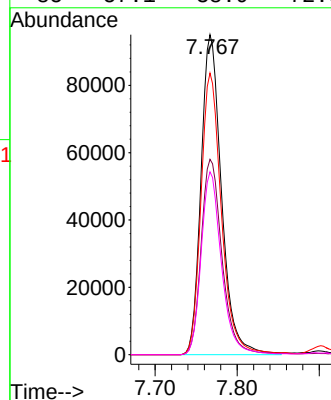
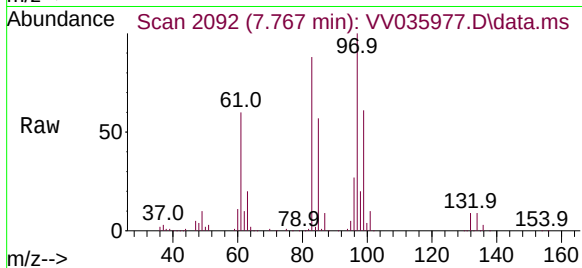
Ion Ratio Lower Upper

97 100

99 61.0 43.3 80.5

83 88.0 60.1 111.7

85 57.1 38.9 72.3



#46

Tetrachloroethene

Concen: 24.368 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Tgt Ion:164 Resp: 157295

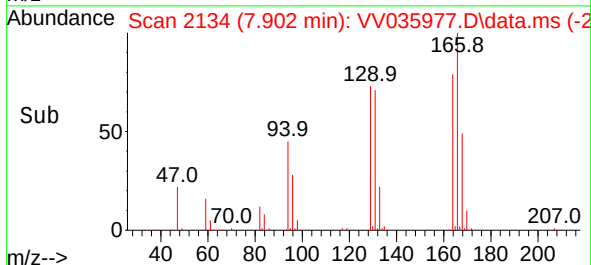
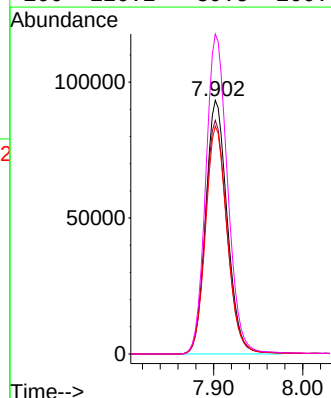
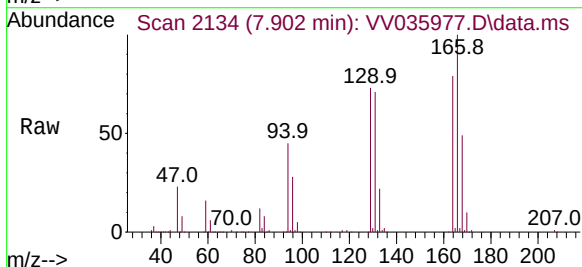
Ion Ratio Lower Upper

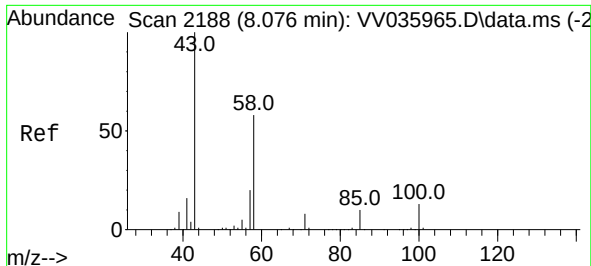
164 100

129 92.2 64.6 120.0

131 89.8 63.2 117.4

166 126.2 89.5 166.3





#48

2-Hexanone

Concen: 63.656 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 204447

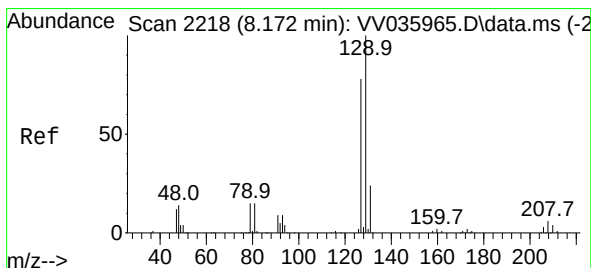
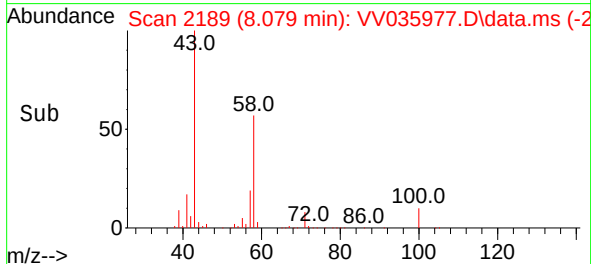
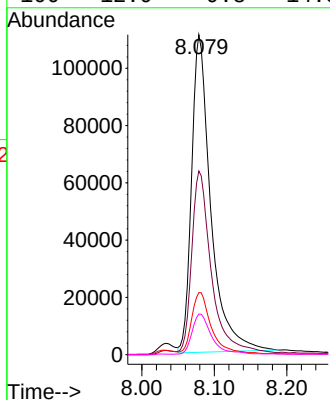
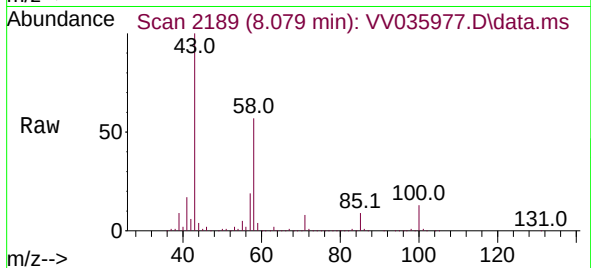
Ion Ratio Lower Upper

43 100

58 58.6 45.4 68.0

57 19.0 15.8 23.8

100 12.9 9.8 14.8



#49

Dibromochloromethane

Concen: 26.368 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV035977.D

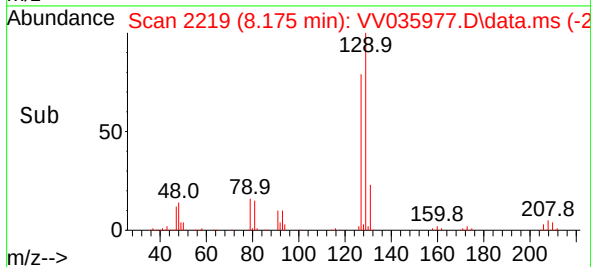
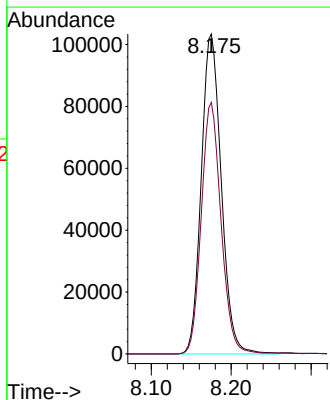
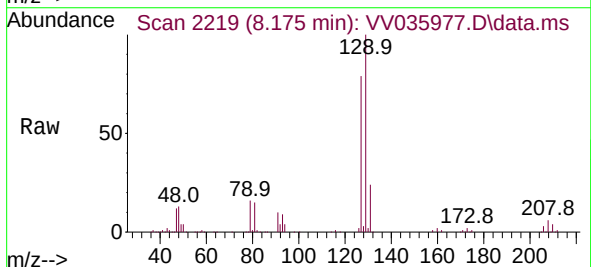
Acq: 04 Jun 2024 15:43

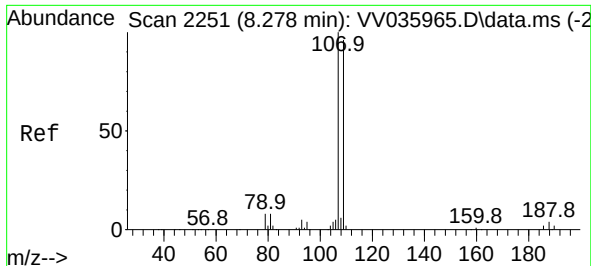
Tgt Ion: 129 Resp: 180555

Ion Ratio Lower Upper

129 100

127 78.6 53.9 100.1





#50

1,2-Dibromoethane

Concen: 26.791 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

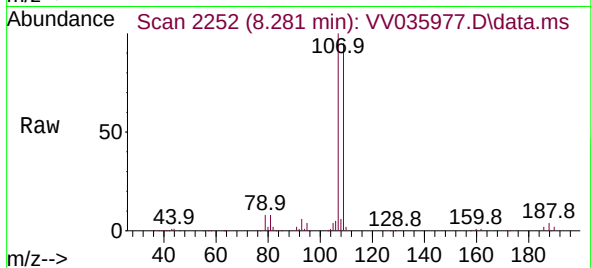
Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :



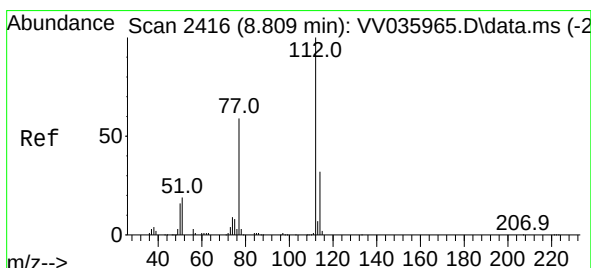
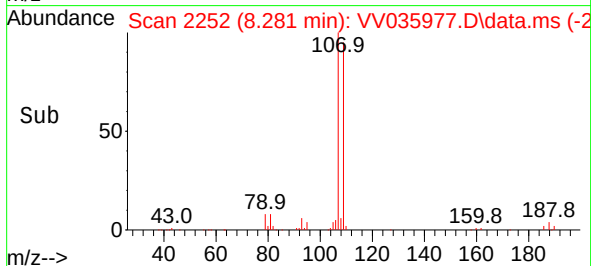
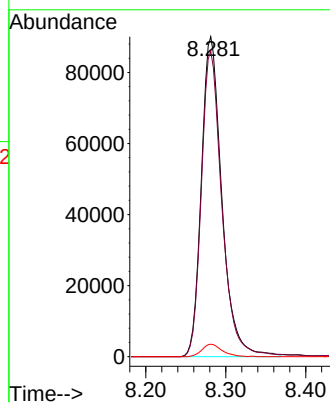
Tgt Ion:107 Resp: 160839

Ion Ratio Lower Upper

107 100

109 95.4 66.1 122.7

188 4.0 3.0 4.6



#51

Chlorobenzene

Concen: 25.404 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

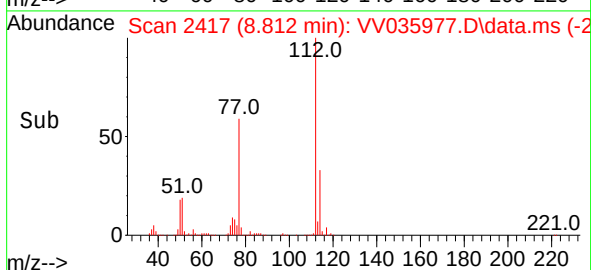
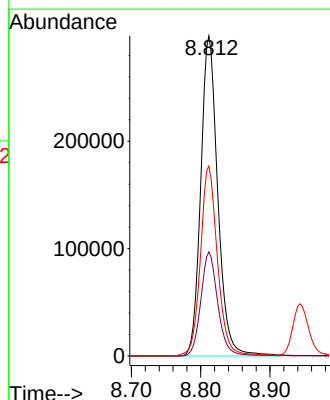
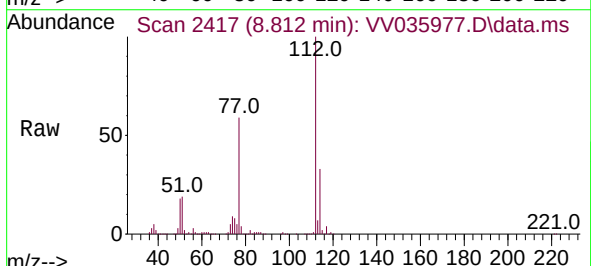
Tgt Ion:112 Resp: 509342

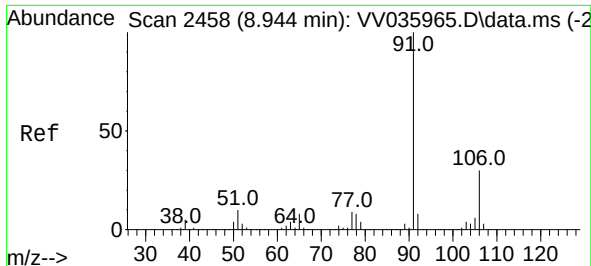
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.5

77 59.3 47.3 70.9





#52

Ethylbenzene

Concen: 26.467 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

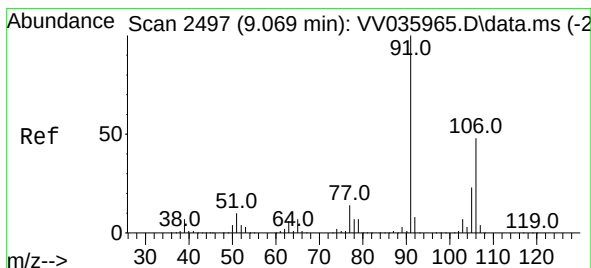
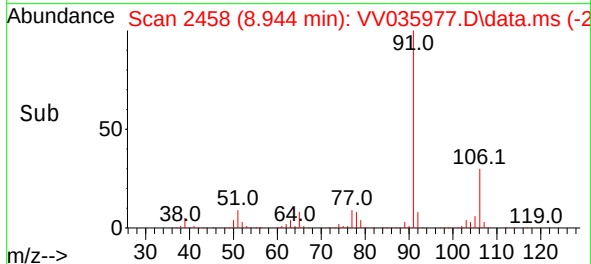
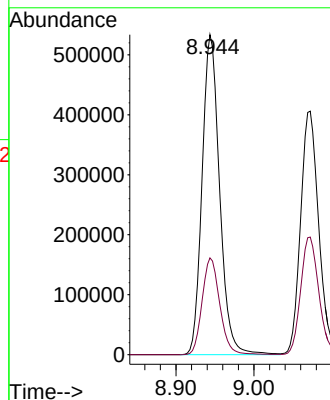
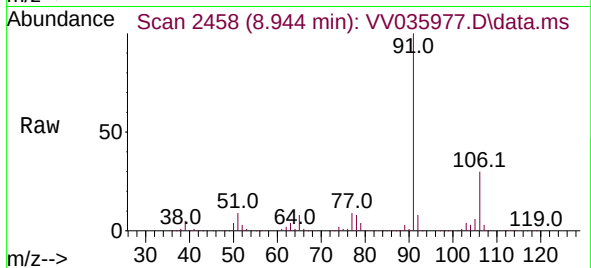
ClientSampleId :

Tgt Ion: 91 Resp: 833250

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



#53

m,p-Xylene

Concen: 26.974 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035977.D

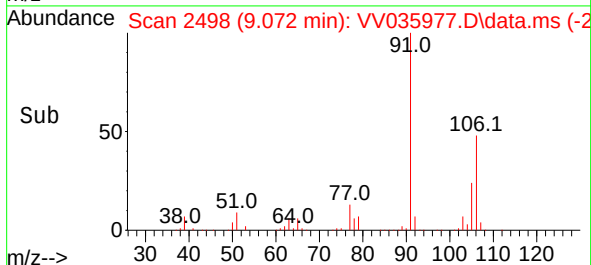
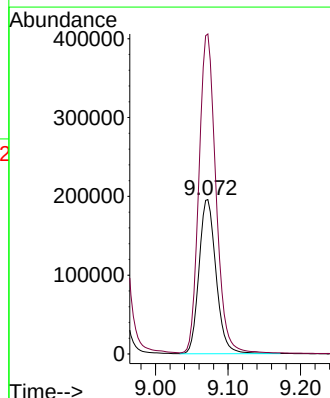
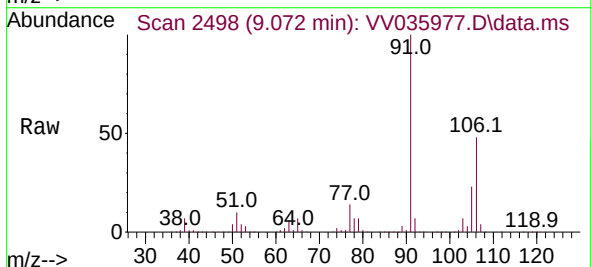
Acq: 04 Jun 2024 15:43

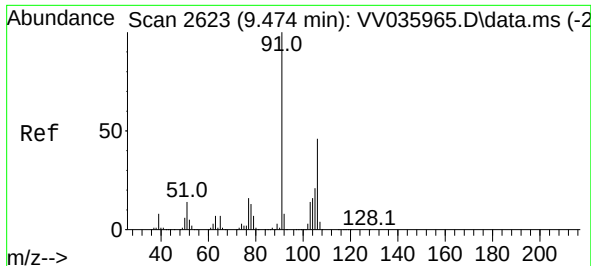
Tgt Ion:106 Resp: 319093

Ion Ratio Lower Upper

106 100

91 207.1 143.1 265.9

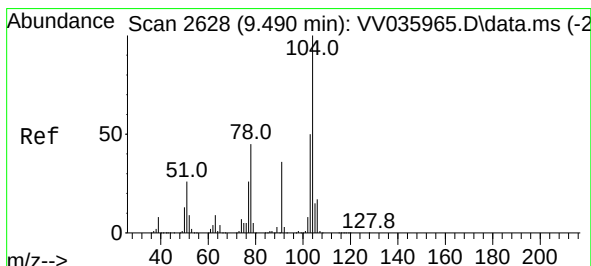
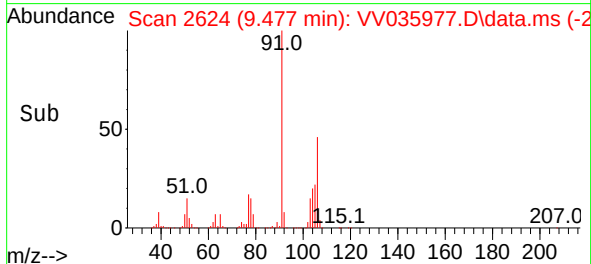
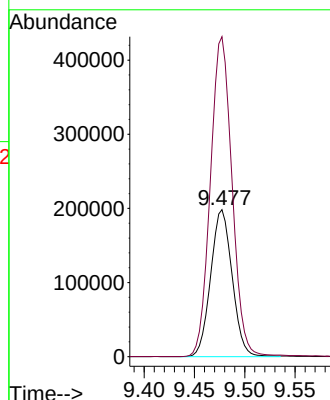
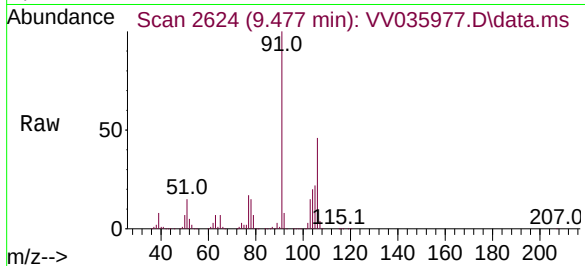




#54
o-Xylene
Concen: 26.450 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

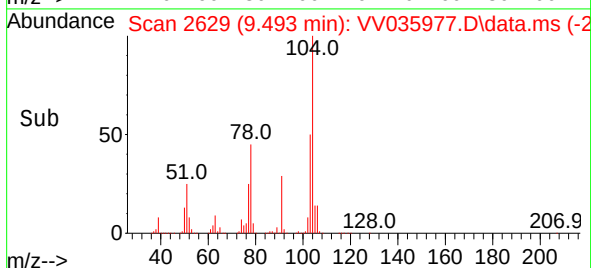
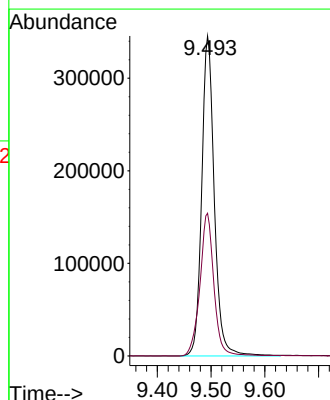
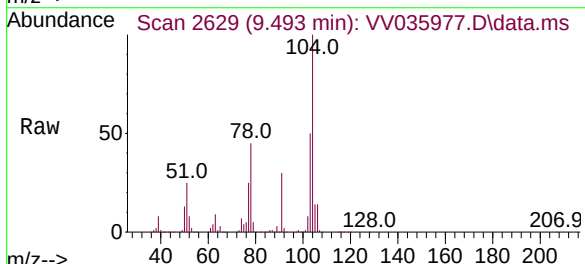
Instrument :
MSVOA_V
ClientSampleId :

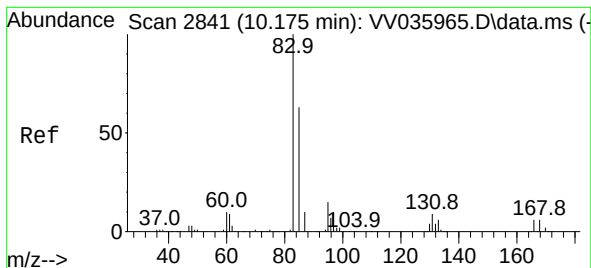
Tgt Ion:106 Resp: 295070
Ion Ratio Lower Upper
106 100
91 217.7 154.5 286.9



#55
Styrene
Concen: 28.596 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion:104 Resp: 562561
Ion Ratio Lower Upper
104 100
78 44.6 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 24.895 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

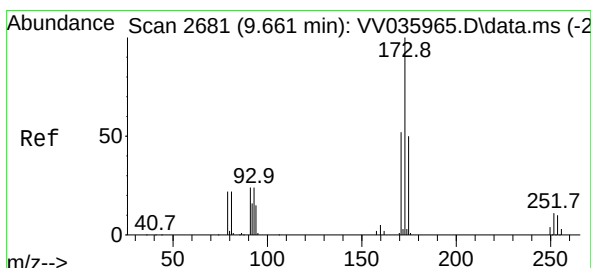
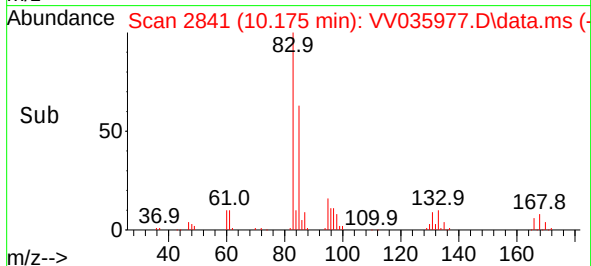
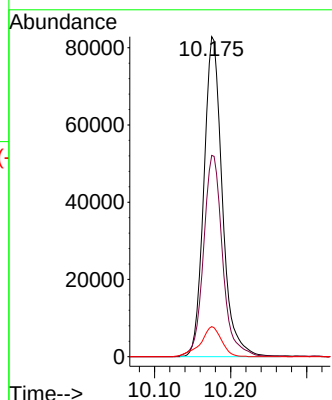
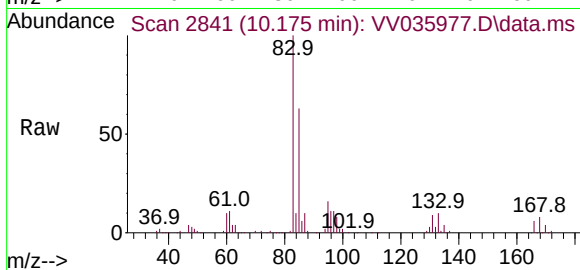
Tgt Ion: 83 Resp: 139466

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.7

131 9.4 7.6 11.4



#59

Bromoform

Concen: 25.773 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

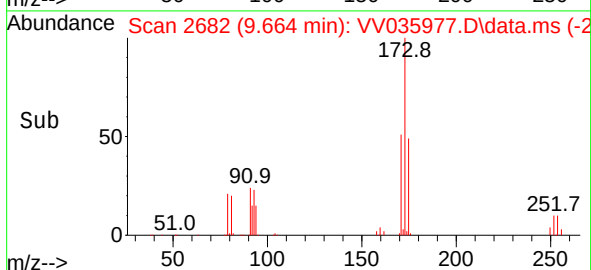
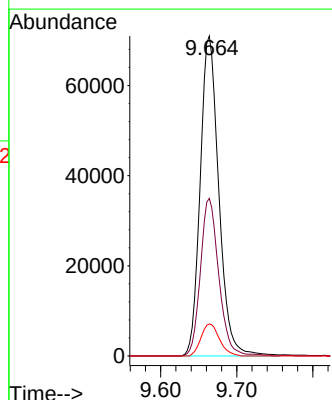
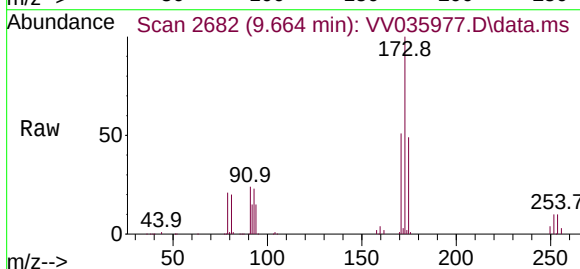
Tgt Ion:173 Resp: 120834

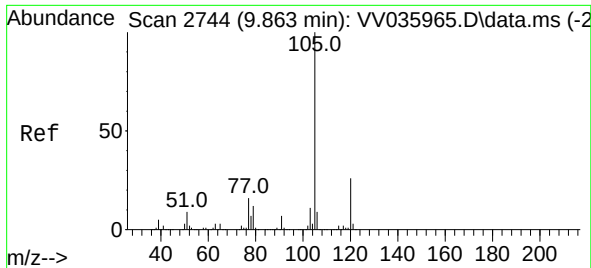
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

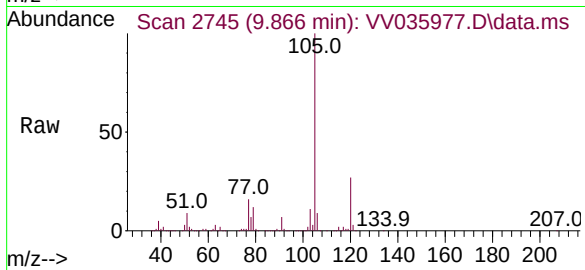
254 9.9 8.6 13.0



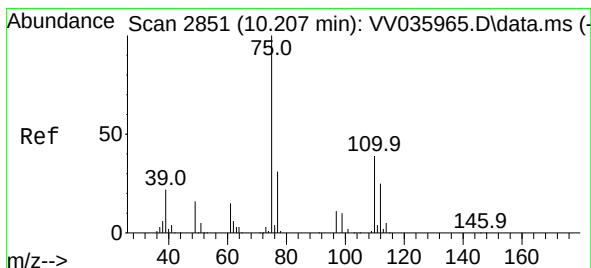
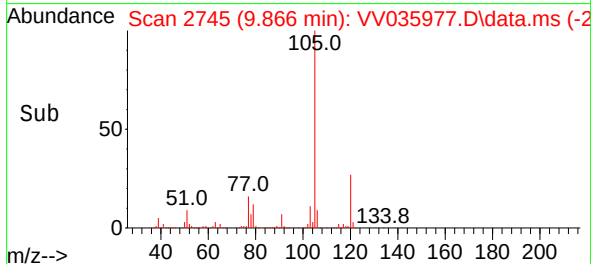
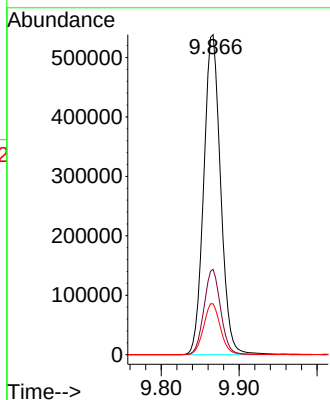


#60
Isopropylbenzene
Concen: 25.396 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Instrument :
MSVOA_V
ClientSampleId :

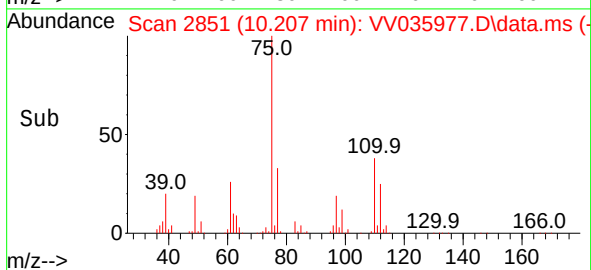
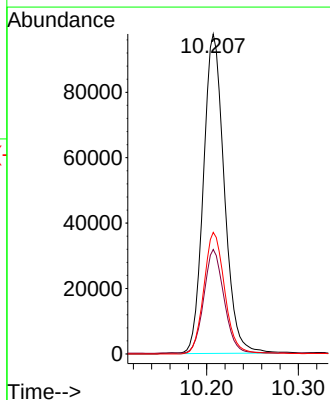
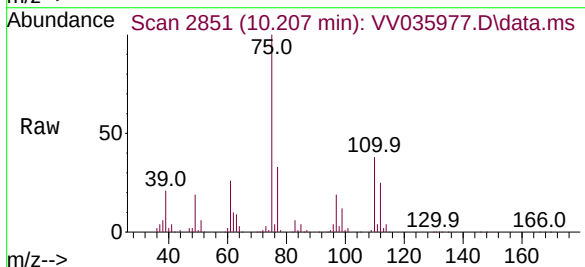


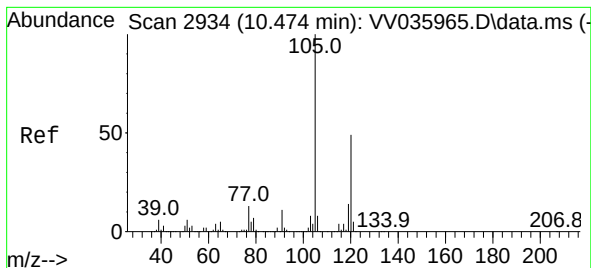
Tgt Ion:105 Resp: 809996
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.9 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 26.250 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion: 75 Resp: 154341
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
110 38.0 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 25.231 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

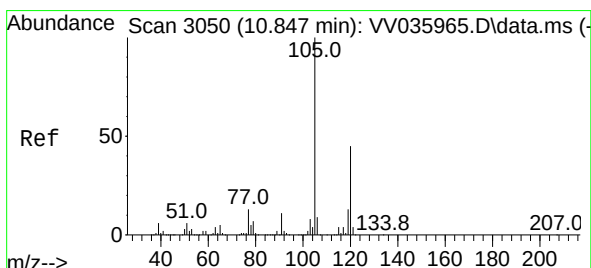
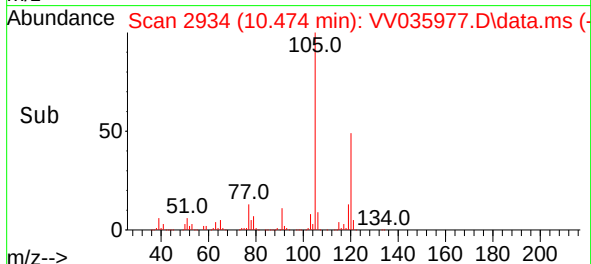
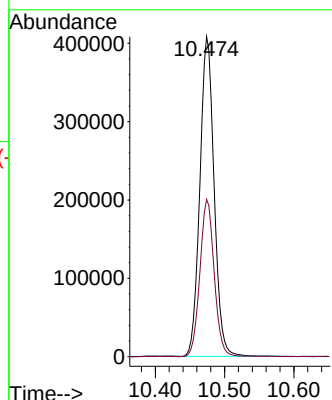
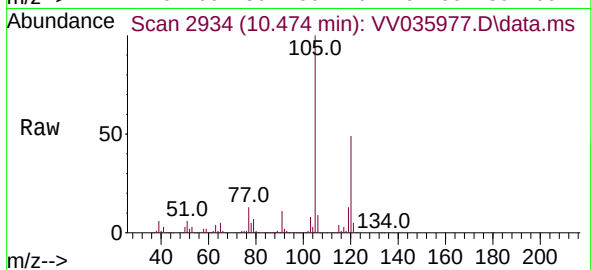
ClientSampleId :

Tgt Ion:105 Resp: 583545

Ion Ratio Lower Upper

105 100

120 49.3 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 26.004 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035977.D

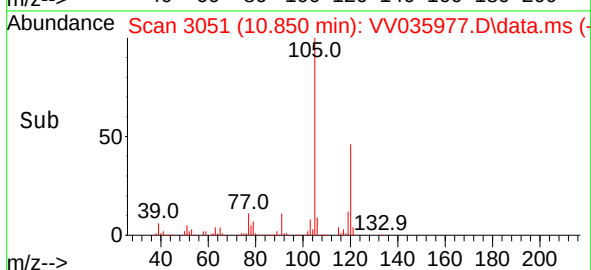
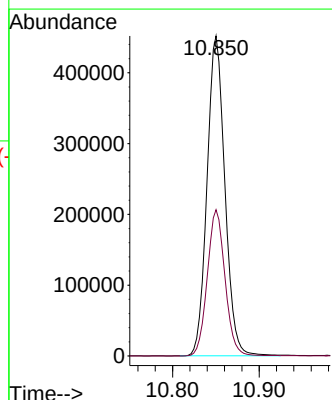
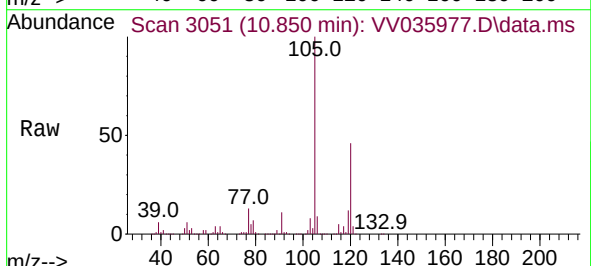
Acq: 04 Jun 2024 15:43

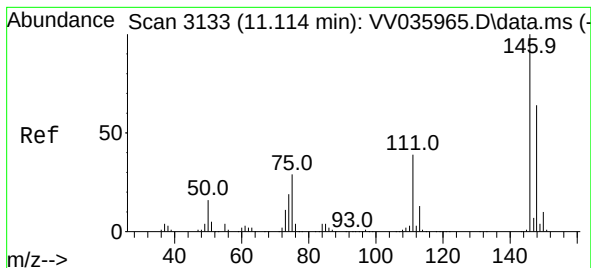
Tgt Ion:105 Resp: 648002

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 24.543 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

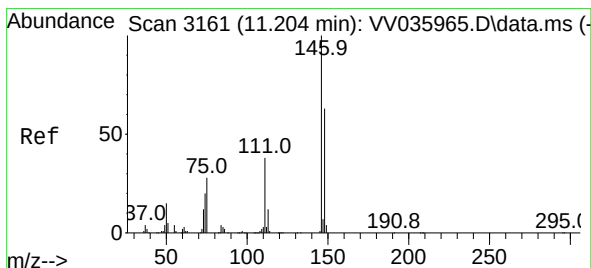
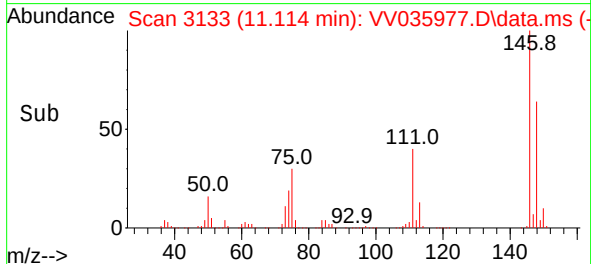
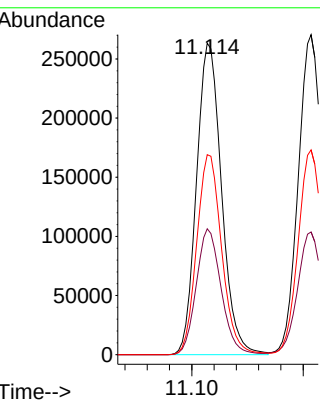
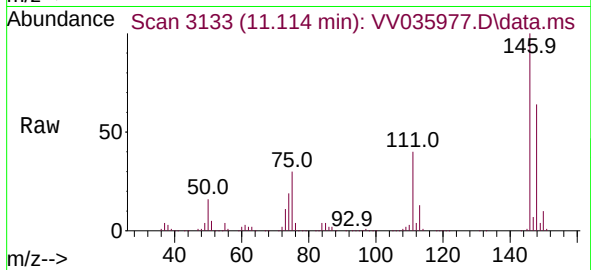
Tgt Ion:146 Resp: 411095

Ion Ratio Lower Upper

146 100

111 40.4 28.1 52.1

148 64.2 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 24.681 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

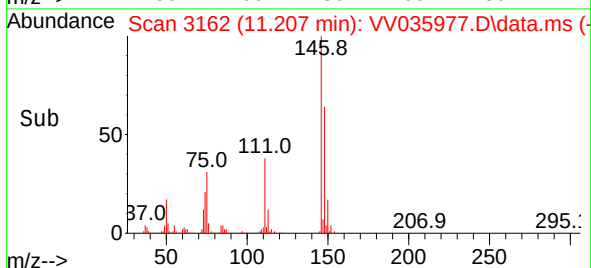
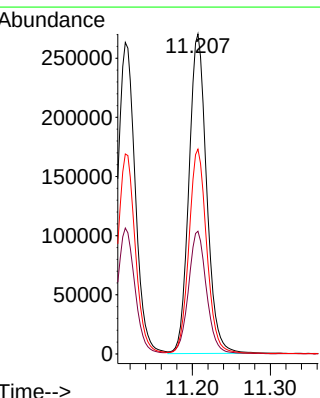
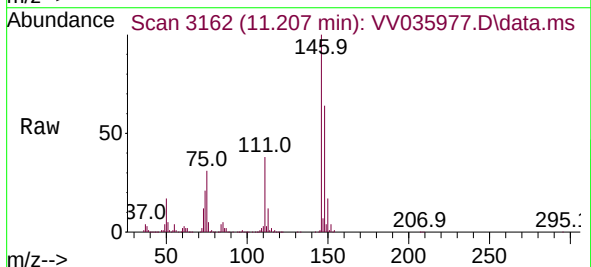
Tgt Ion:146 Resp: 426708

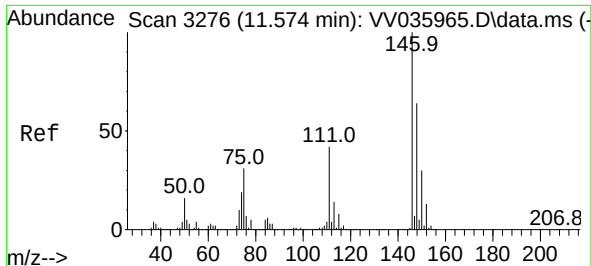
Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 64.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 24.660 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :

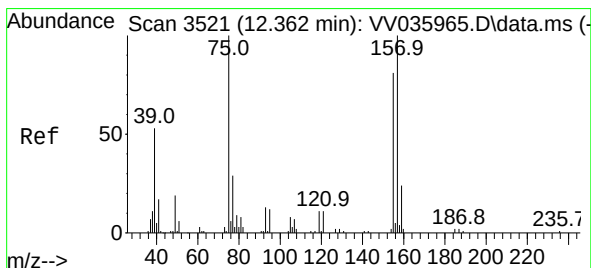
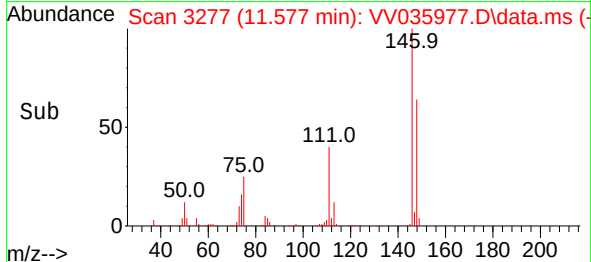
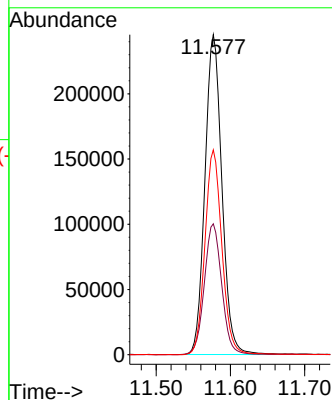
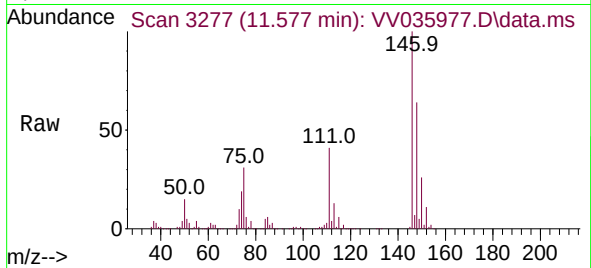
Tgt Ion:146 Resp: 388695

Ion Ratio Lower Upper

146 100

111 40.9 33.5 50.3

148 64.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 26.646 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

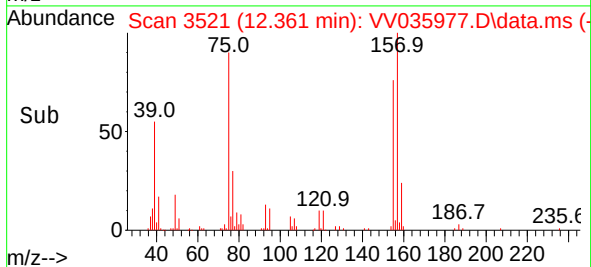
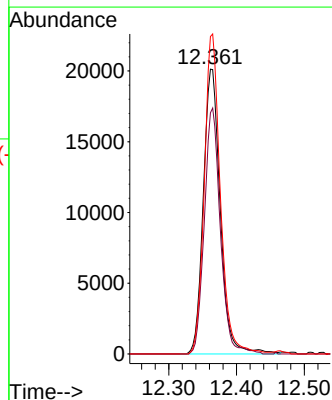
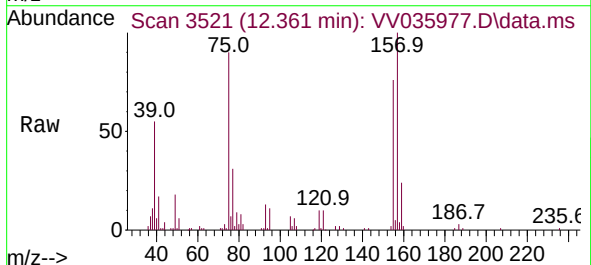
Tgt Ion: 75 Resp: 35034

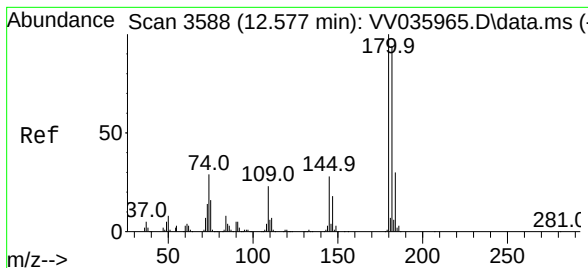
Ion Ratio Lower Upper

75 100

155 84.7 63.3 94.9

157 111.5 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 23.741 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

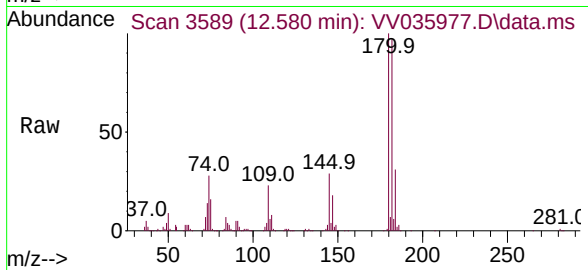
Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 297454

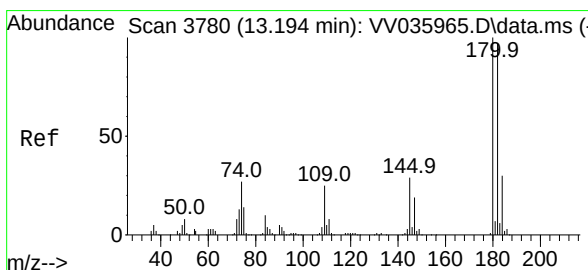
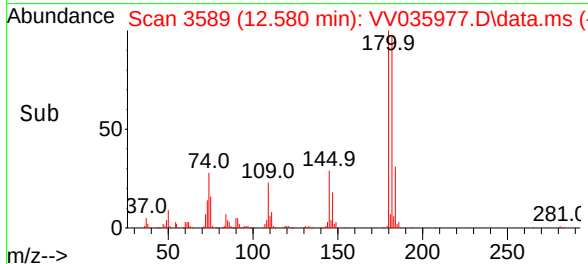
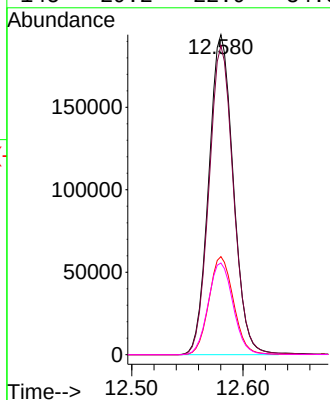
Ion Ratio Lower Upper

180 100

182 96.4 76.2 114.4

184 30.6 24.2 36.2

145 29.2 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 24.911 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035977.D

Acq: 04 Jun 2024 15:43

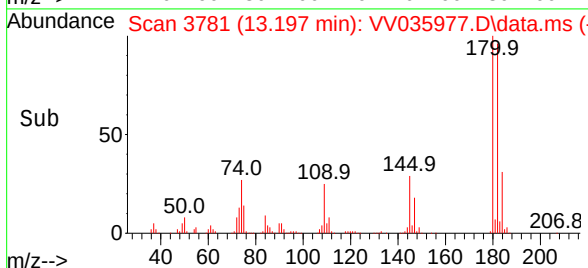
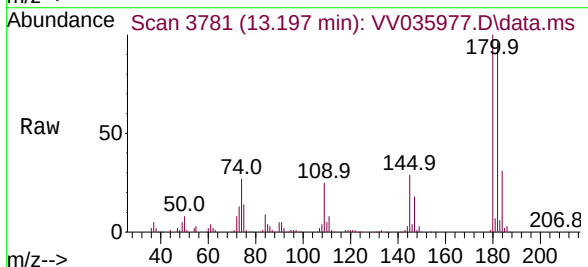
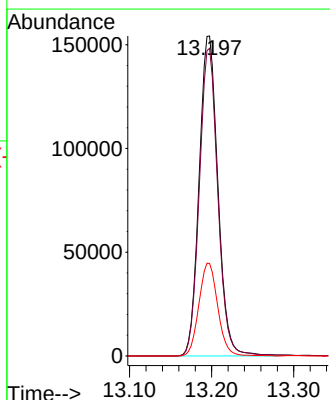
Tgt Ion:180 Resp: 245755

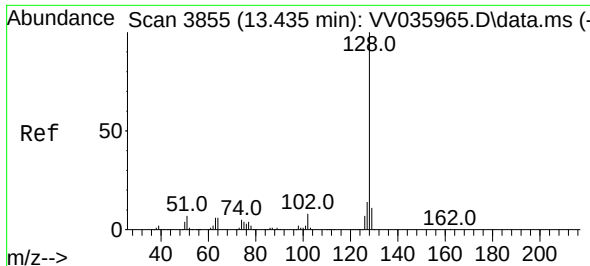
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 29.0 23.5 35.3

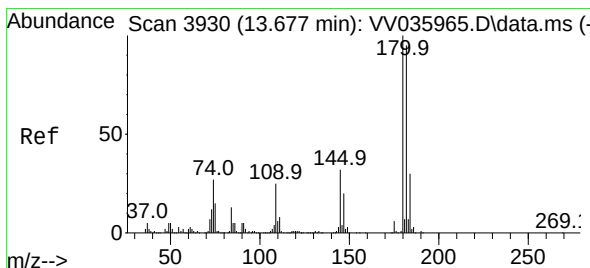
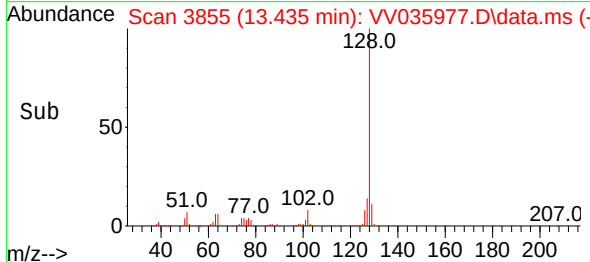
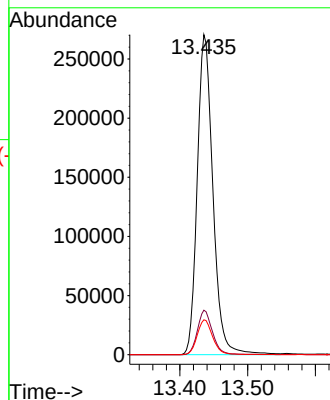
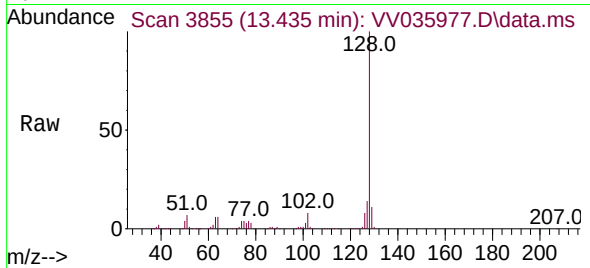




#71
Naphthalene
Concen: 27.006 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 434785
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 26.290 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. -0.000 min
Lab File: VV035977.D
Acq: 04 Jun 2024 15:43

Tgt Ion:180 Resp: 236671
Ion Ratio Lower Upper
180 100
182 95.3 75.1 112.7
145 31.3 25.2 37.8

