

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032624\
 Data File : VW034826.D
 Acq On : 26 Mar 2024 13:53
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 01:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:06:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	415468	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	396310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	207493	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	374744	102.332	ug/L	0.00
7) Chloroethane-d5	1.526	69	335450	112.651	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	166182	100.896	ug/L	0.00
21) 2-Butanone-d5	3.777	46	484369	201.526	ug/L	0.00
24) Chloroform-d	4.246	84	644046	99.851	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	411371	98.791	ug/L	0.00
32) Benzene-d6	4.957	84	1285620	105.284	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	409915	108.405	ug/L	0.00
41) Toluene-d8	7.240	98	1172282	106.056	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	212631	113.112	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	345705	195.201	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	576517	114.912	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	439777	101.633	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	291933	71.725	ug/L	100
3) Chloromethane	1.217	50	367719	87.486	ug/L	99
5) Vinyl chloride	1.285	62	392606	95.031	ug/L	99
6) Bromomethane	1.484	94	300545	111.708	ug/L	100
8) Chloroethane	1.545	64	265056	104.817	ug/L	98
9) Trichlorofluoromethane	1.712	101	519008	86.030	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	322415	96.805	ug/L	100
12) 1,1-Dichloroethene	2.069	96	302967	97.388	ug/L	94
13) Acetone	2.114	43	419358	152.984	ug/L	100
14) Carbon disulfide	2.240	76	839338	97.485	ug/L	100
15) Methyl Acetate	2.372	43	342346	94.002	ug/L	98
16) Methylene chloride	2.446	84	325005	98.186	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	293681	97.523	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	1072103	99.303	ug/L	100
19) 1,1-Dichloroethane	3.111	63	612245	103.099	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	343914	104.611	ug/L	98
22) 2-Butanone	3.857	43	502829	180.626	ug/L	95
23) Bromochloromethane	4.143	128	169215	100.152	ug/L	98
25) Chloroform	4.272	83	607643	99.291	ug/L	99
27) 1,2-Dichloroethane	5.037	62	492840	99.683	ug/L	100
29) Cyclohexane	4.581	56	509611	99.086	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	506533	91.085	ug/L	100
31) Carbon tetrachloride	4.735	117	438412	89.621	ug/L	98
33) Benzene	5.008	78	1280222	103.103	ug/L	100
34) Trichloroethene	5.831	95	342348	97.980	ug/L	98
35) Methylcyclohexane	6.050	83	540353	102.087	ug/L	99
37) 1,2-Dichloropropane	6.092	63	359640	109.051	ug/L	100
38) Bromodichloromethane	6.429	83	463447	102.106	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	576178	108.952	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	961751	203.830	ug/L	100
42) Toluene	7.314	91	1363963	103.871	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	557763	110.055	ug/L	99

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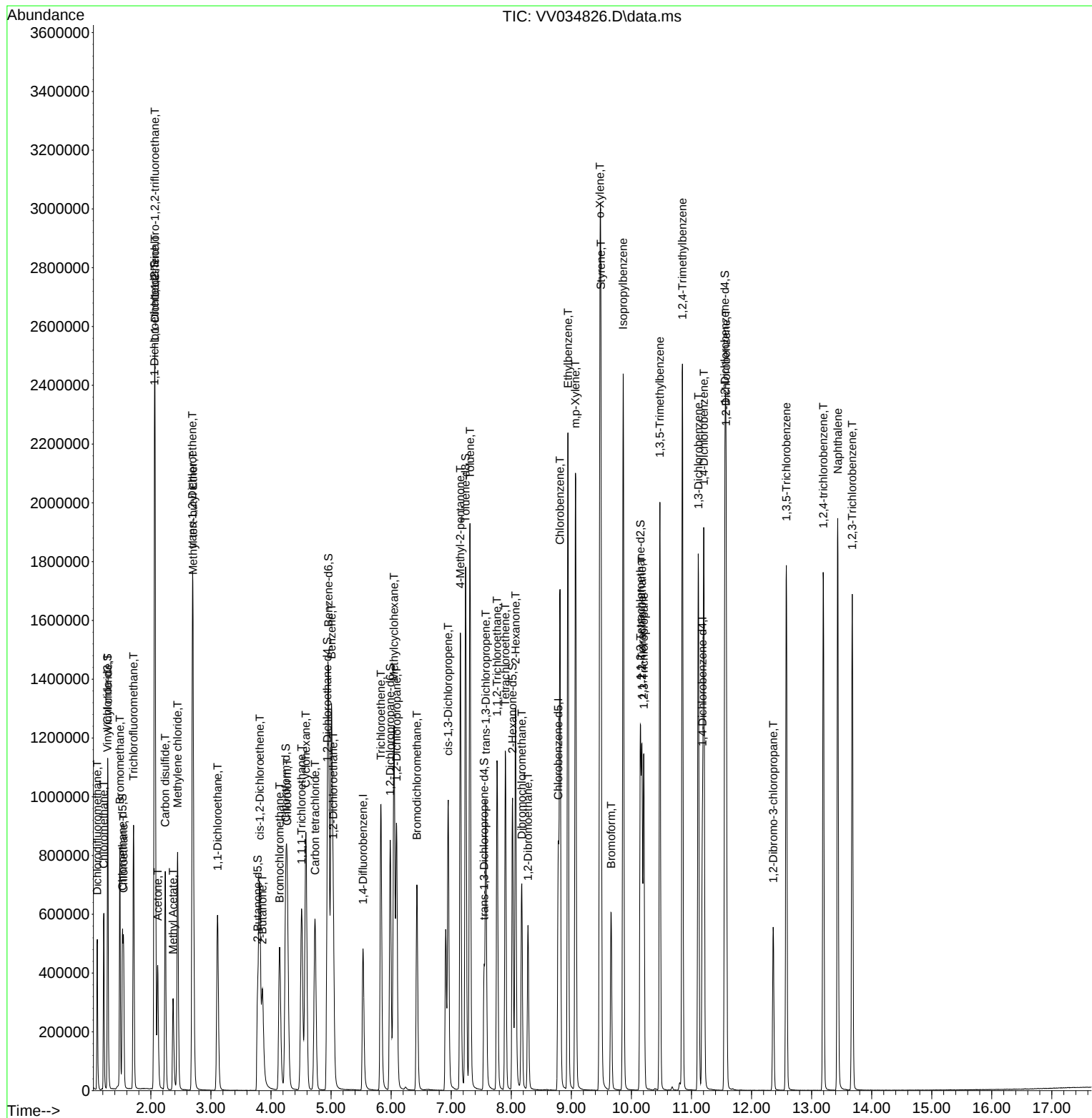
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	336757	106.594	ug/L	99
46) Tetrachloroethene	7.902	164	240928	94.070	ug/L	99
48) 2-Hexanone	8.072	43	779943	207.535	ug/L	97
49) Dibromochloromethane	8.175	129	342711	104.051	ug/L	100
50) 1,2-Dibromoethane	8.278	107	361731	107.750	ug/L	99
51) Chlorobenzene	8.812	112	866585	101.883	ug/L	99
52) Ethylbenzene	8.944	91	1527332	104.204	ug/L	100
53) m,p-Xylene	9.069	106	574048	103.258	ug/L	98
54) o-Xylene	9.477	106	568276	104.197	ug/L	98
55) Styrene	9.493	104	982456	106.578	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	554888	114.473	ug/L	99
59) Bromoform	9.664	173	252382	109.254	ug/L	99
60) Isopropylbenzene	9.863	105	1523649	103.418	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	444629	109.024	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	1021477	86.226	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	1275430	104.093	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	687029	100.778	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	697042	100.266	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	690918	101.051	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	134854	112.973	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	507100	99.935	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	492855	107.786	ug/L	99
71) Naphthalene	13.435	128	1401124	115.924	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	485747	109.053	ug/L	99

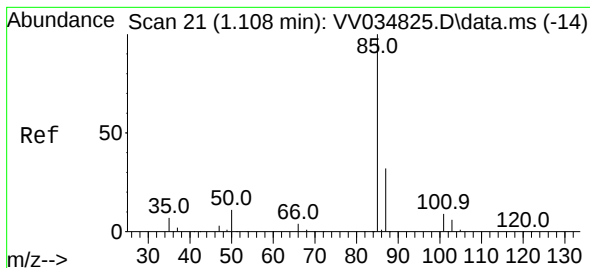
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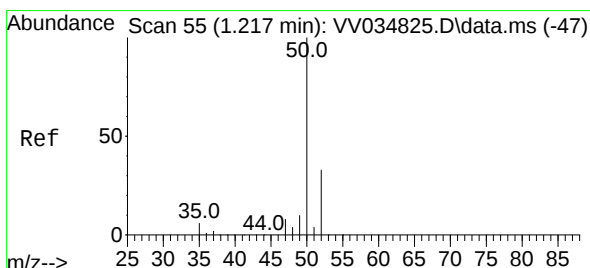
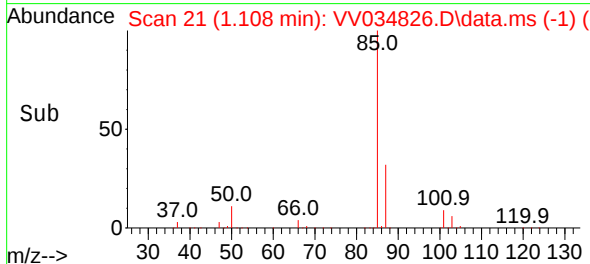
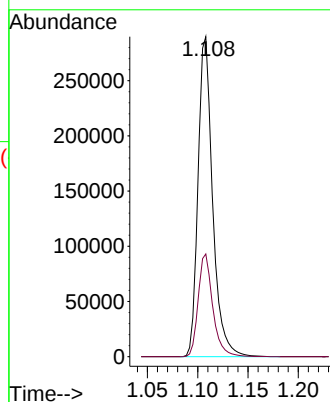
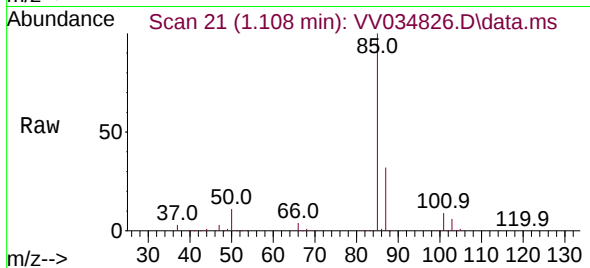




#2
 Dichlorodifluoromethane
 Concen: 71.725 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034826.D
 Acq: 26 Mar 2024 13:53

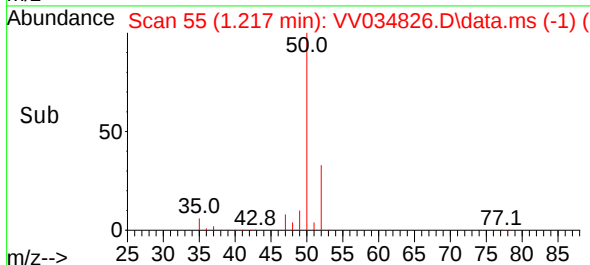
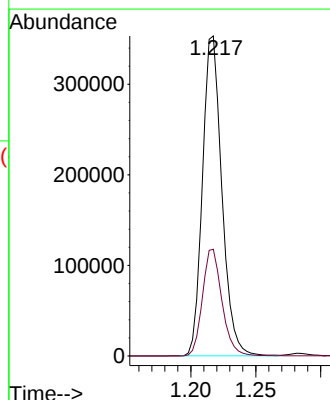
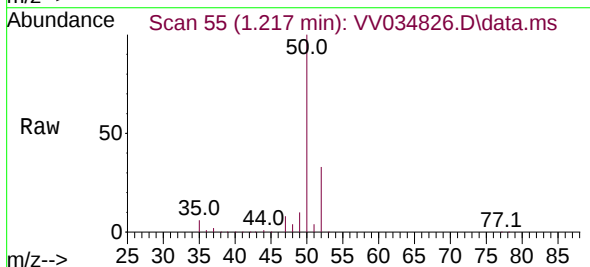
Instrument :
 MSVOA_V
 ClientSampleId :

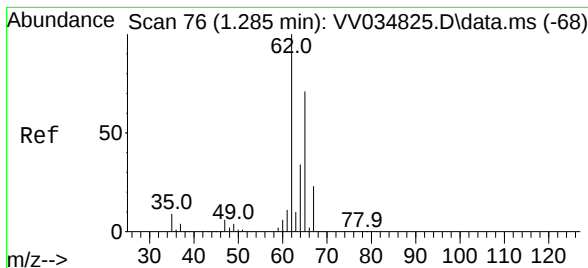
Tgt Ion: 85 Resp: 291933
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 87.486 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034826.D
 Acq: 26 Mar 2024 13:53

Tgt Ion: 50 Resp: 367719
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 95.031 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

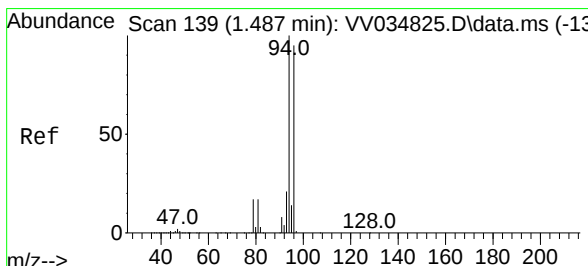
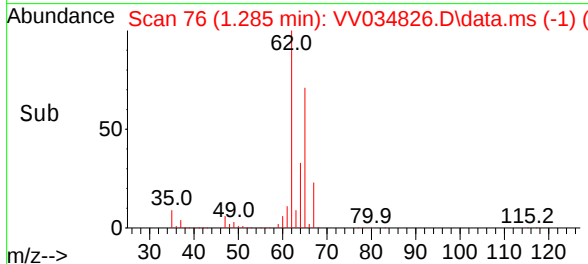
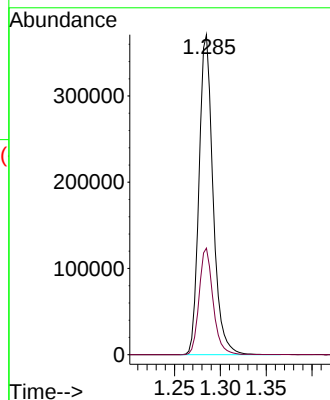
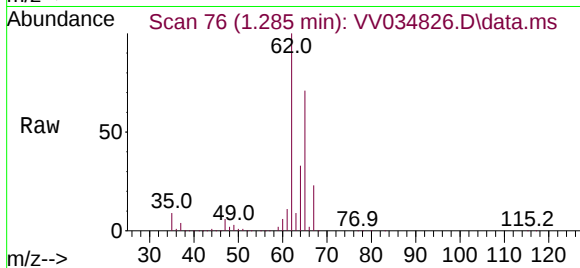
ClientSampleId :

Tgt Ion: 62 Resp: 392606

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



#6

Bromomethane

Concen: 111.708 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV034826.D

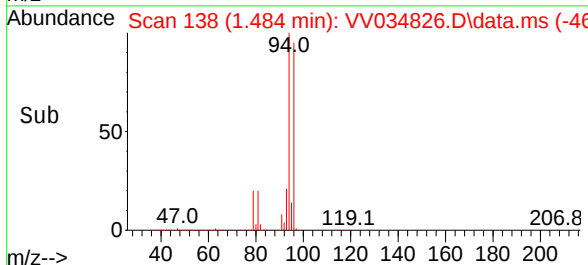
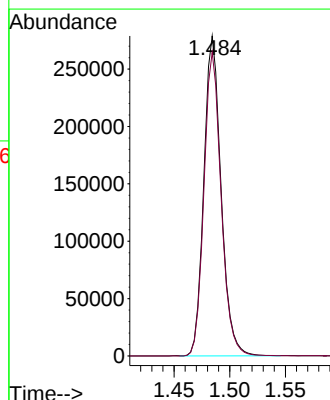
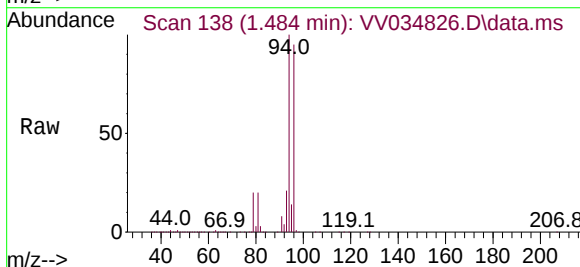
Acq: 26 Mar 2024 13:53

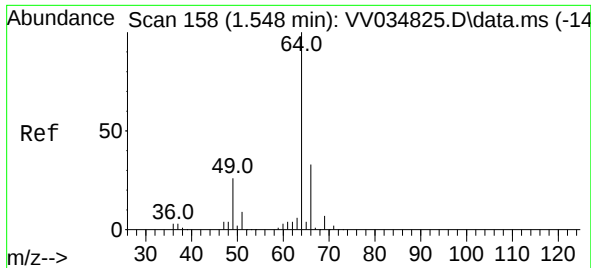
Tgt Ion: 94 Resp: 300545

Ion Ratio Lower Upper

94 100

96 94.9 66.3 123.1

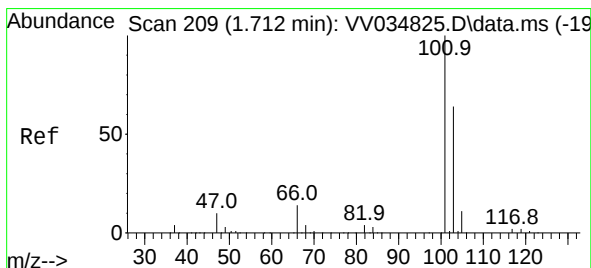
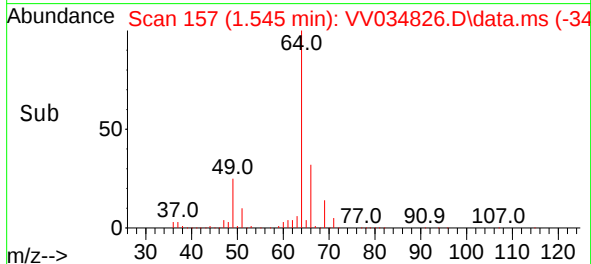
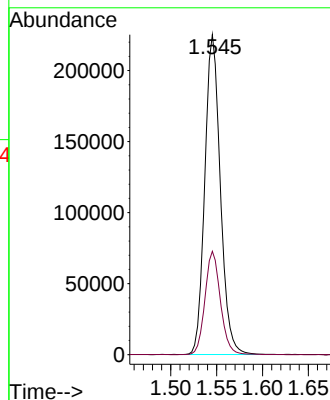
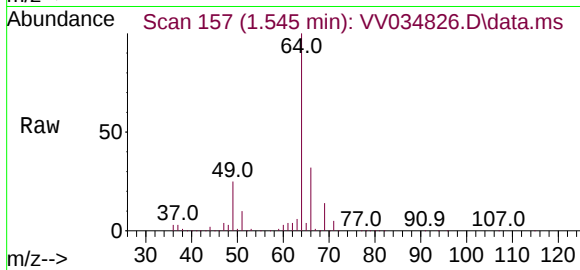




#8
Chloroethane
Concen: 104.817 ug/L
RT: 1.545 min Scan# 158
Delta R.T. -0.003 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

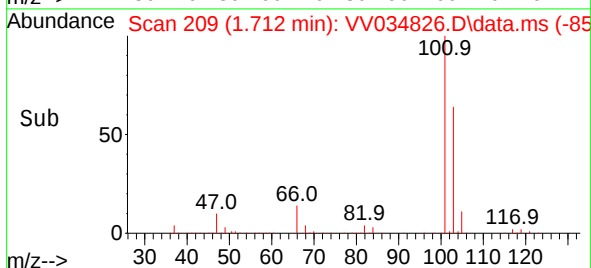
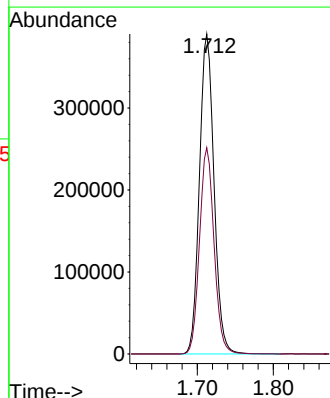
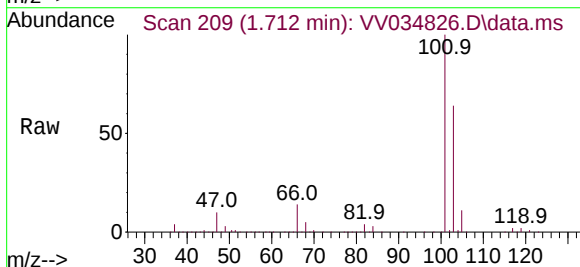
Instrument :
MSVOA_V
ClientSampleId :

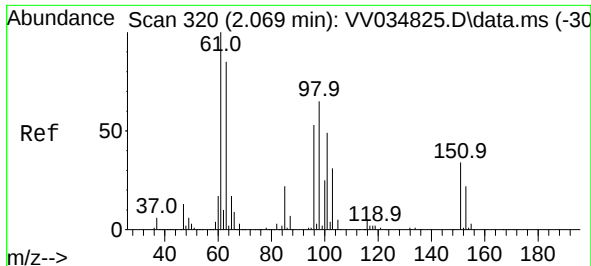
Tgt Ion: 64 Resp: 265056
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 86.030 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion:101 Resp: 519008
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4





#10

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

Concen: 96.805 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

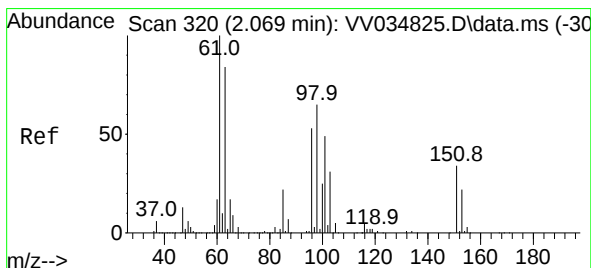
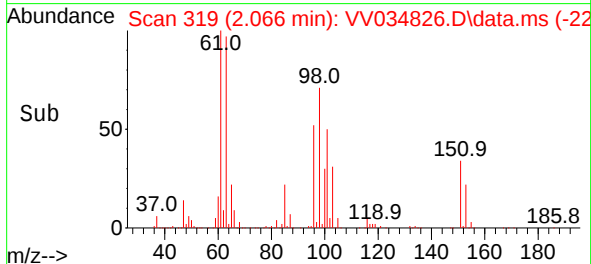
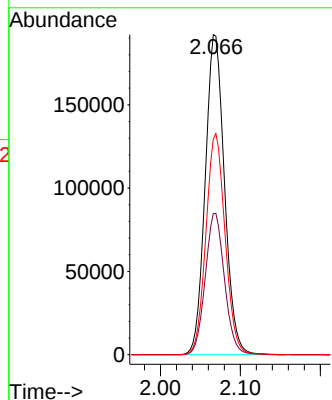
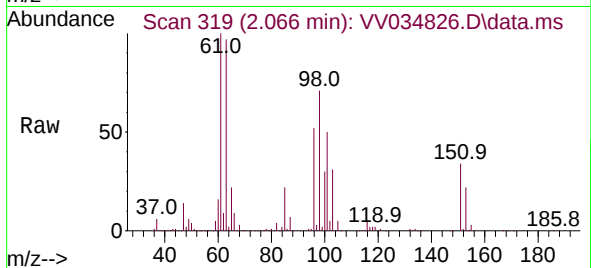
Tgt Ion:101 Resp: 322415

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

151 68.8 55.0 82.4



#12

1,1-Dichloroethene

Concen: 97.388 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

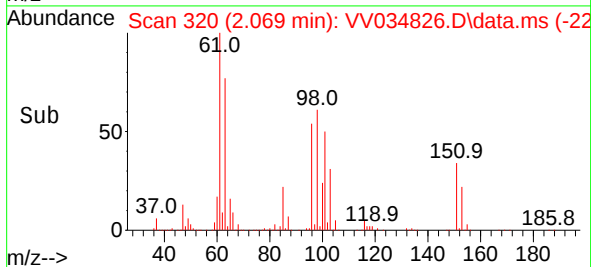
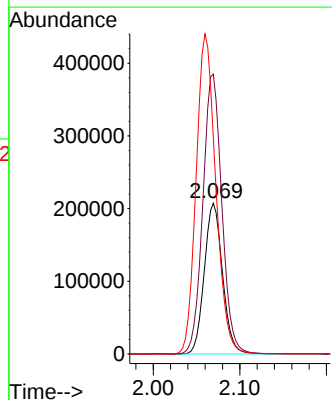
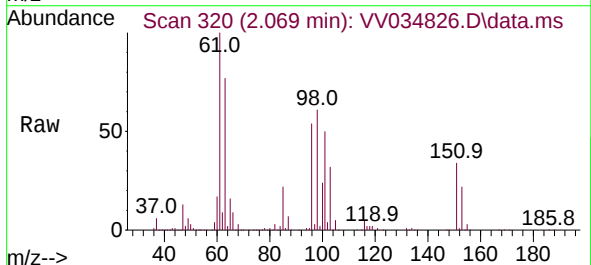
Tgt Ion: 96 Resp: 302967

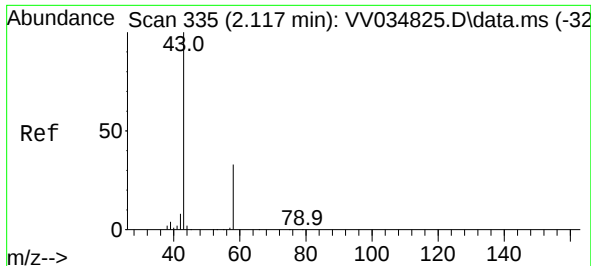
Ion Ratio Lower Upper

96 100

61 185.6 131.5 244.3

63 143.6 111.4 206.8





#13

Acetone

Concen: 152.984 ug/L

RT: 2.114 min Scan# 341

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

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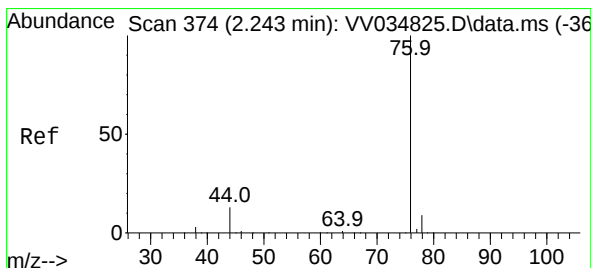
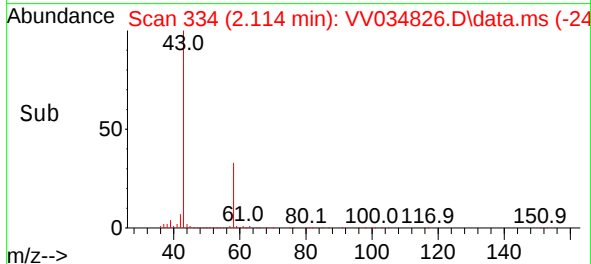
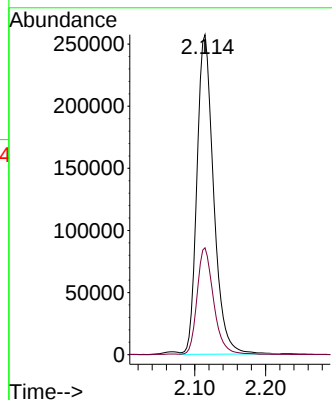
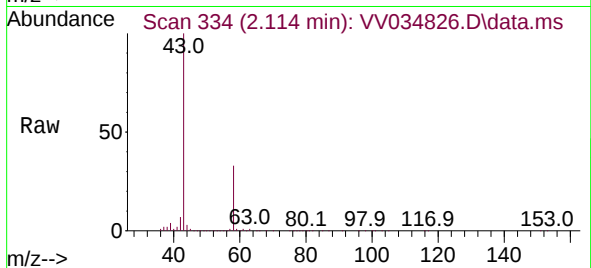
ClientSampleId :

Tgt Ion: 43 Resp: 419358

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.0



#14

Carbon disulfide

Concen: 97.485 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV034826.D

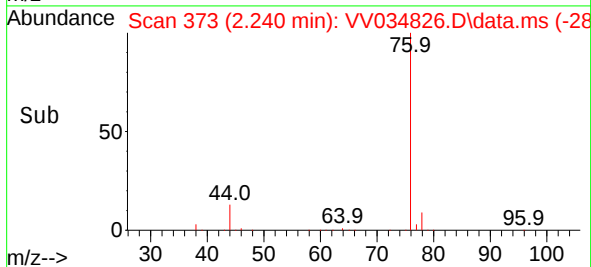
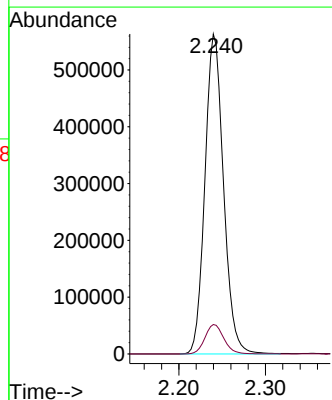
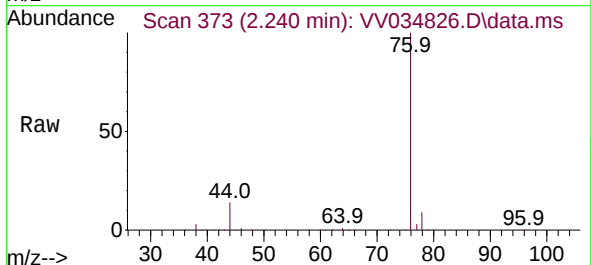
Acq: 26 Mar 2024 13:53

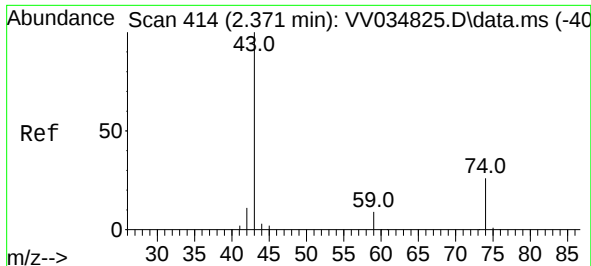
Tgt Ion: 76 Resp: 839338

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 94.002 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

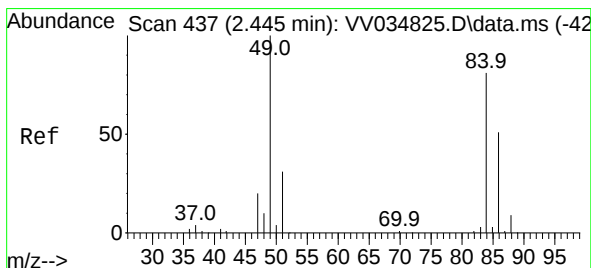
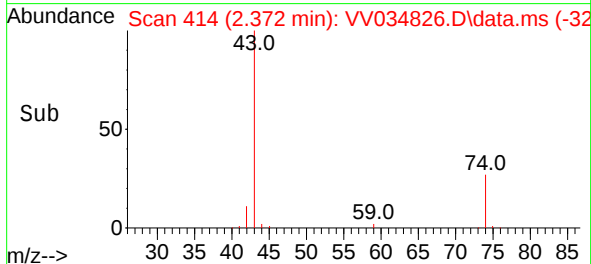
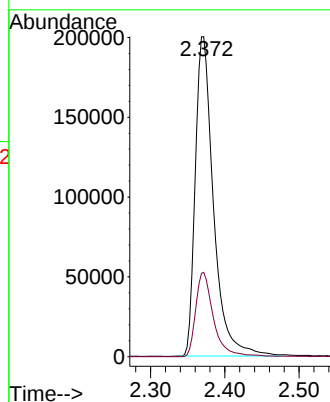
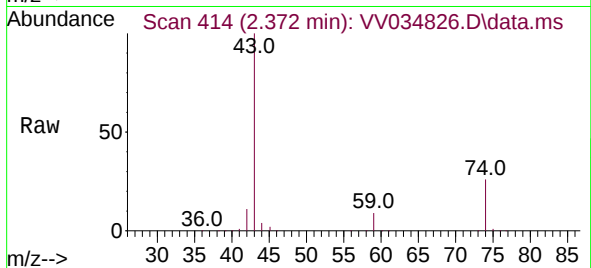
ClientSampleId :

Tgt Ion: 43 Resp: 342346

Ion Ratio Lower Upper

43 100

74 25.7 19.8 29.8



#16

Methylene chloride

Concen: 98.186 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

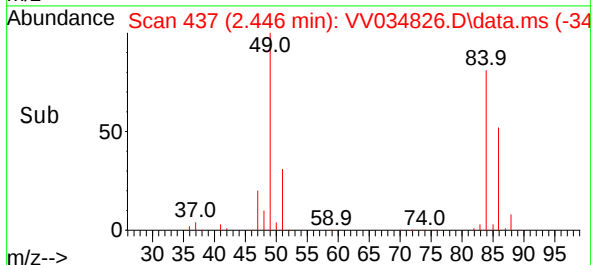
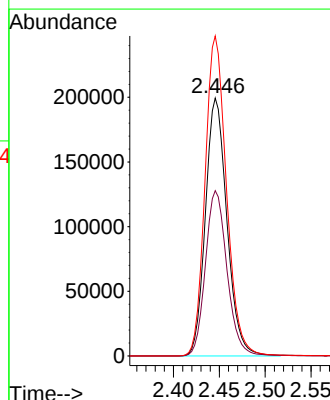
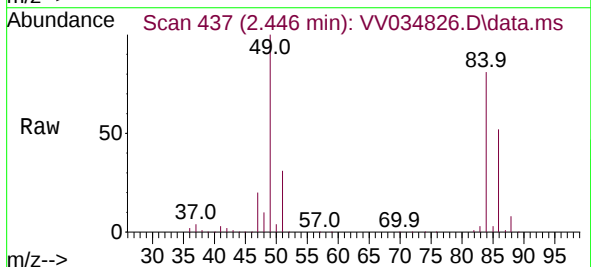
Tgt Ion: 84 Resp: 325005

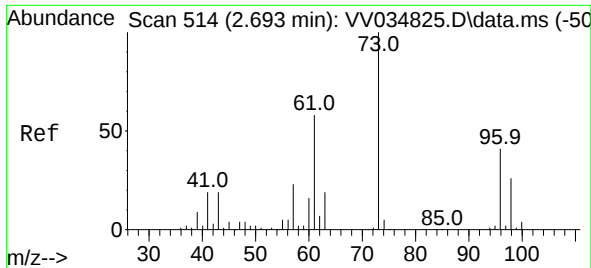
Ion Ratio Lower Upper

84 100

86 64.1 44.6 82.8

49 124.1 86.9 161.3

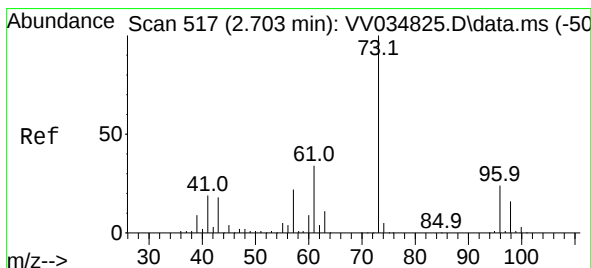
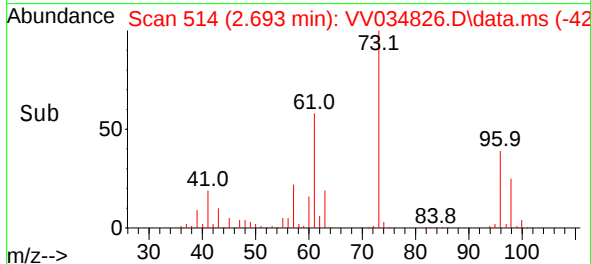
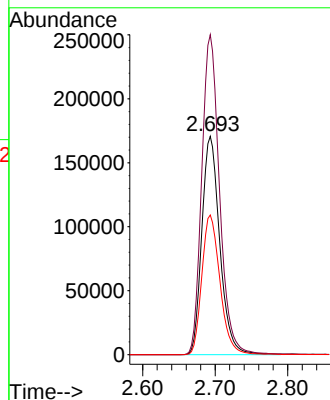
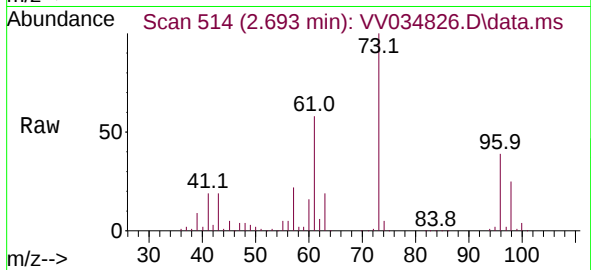




#17
trans-1,2-Dichloroethene
Concen: 97.523 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

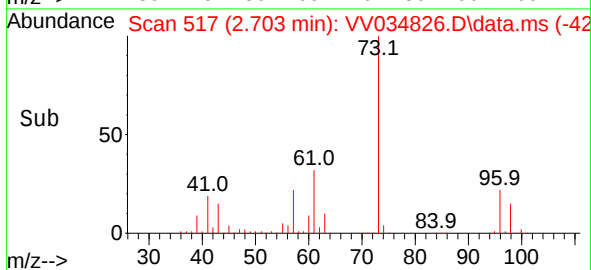
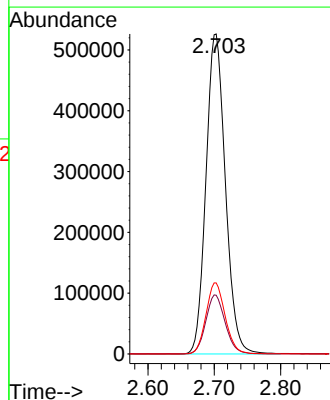
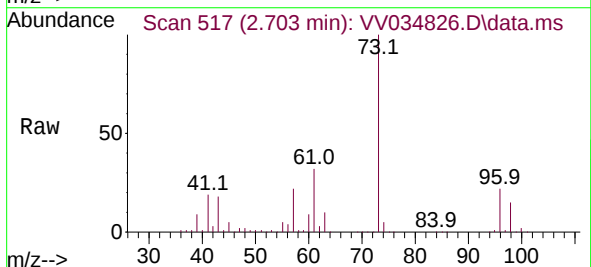
Instrument :
MSVOA_V
ClientSampleId :

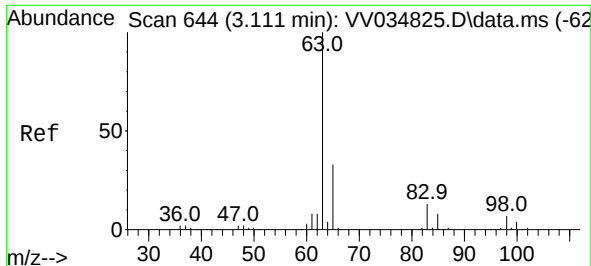
Tgt Ion: 96 Resp: 293681
Ion Ratio Lower Upper
96 100
61 146.5 99.0 183.8
98 64.0 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 99.303 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

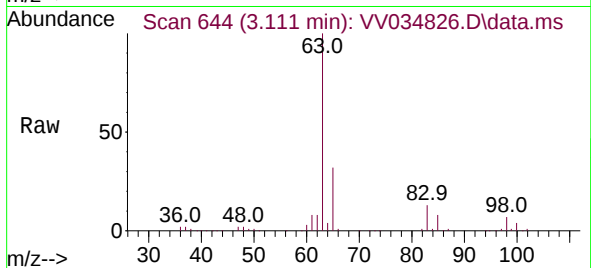
Tgt Ion: 73 Resp: 1072103
Ion Ratio Lower Upper
73 100
43 18.3 14.6 21.8
57 22.0 17.6 26.4



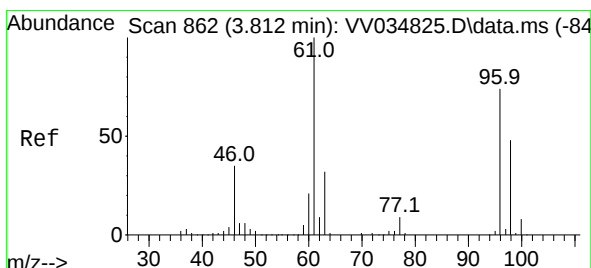
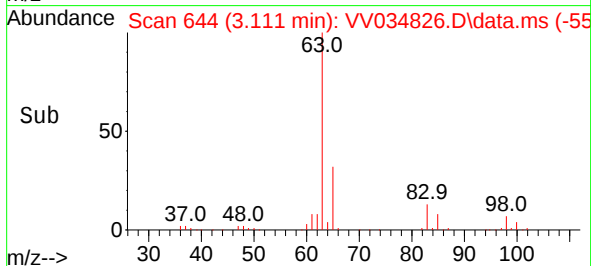
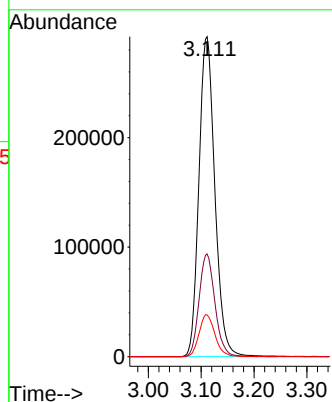


#19
1,1-Dichloroethane
Concen: 103.099 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Instrument :
MSVOA_V
ClientSampleId :

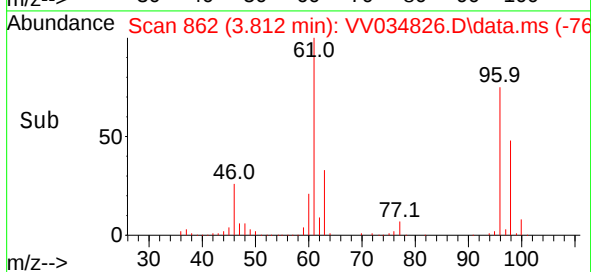
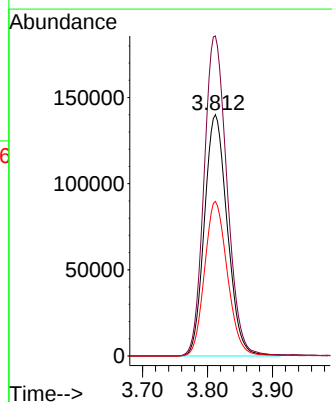
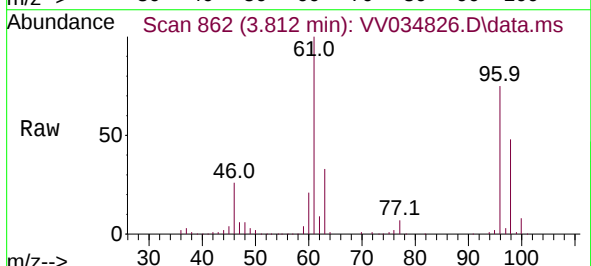


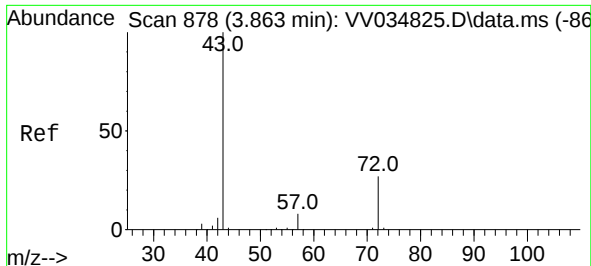
Tgt Ion: 63 Resp: 612245
Ion Ratio Lower Upper
63 100
65 32.1 23.0 42.6
83 13.1 9.1 16.9



#20
cis-1,2-Dichloroethene
Concen: 104.611 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion: 96 Resp: 343914
Ion Ratio Lower Upper
96 100
61 132.6 94.9 176.3
98 64.1 45.6 84.8

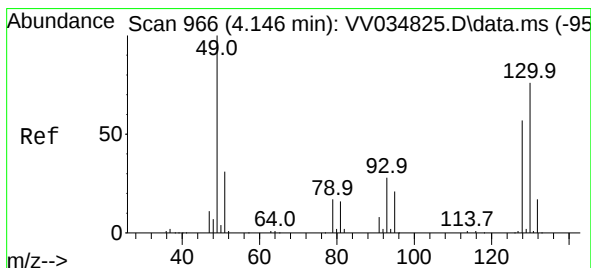
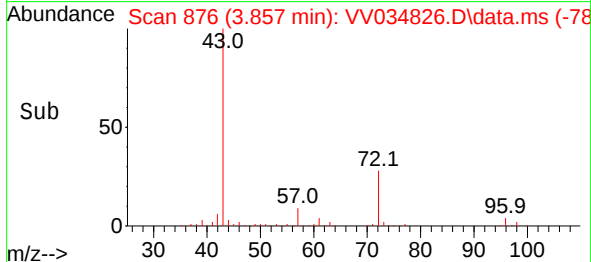
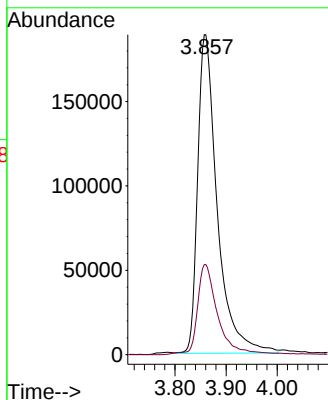
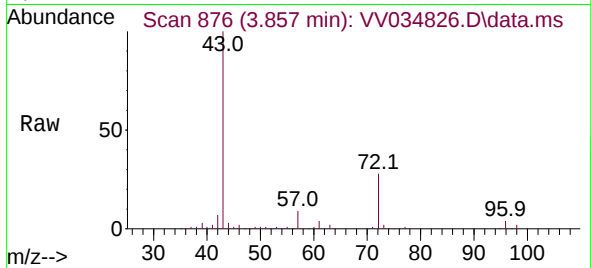




#22
2-Butanone
Concen: 180.626 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

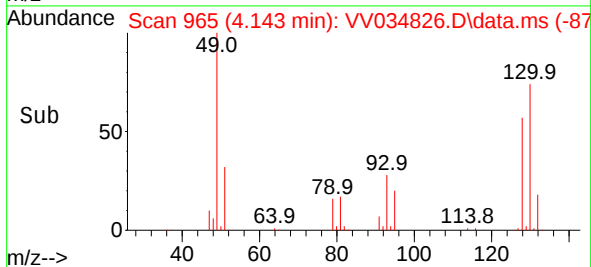
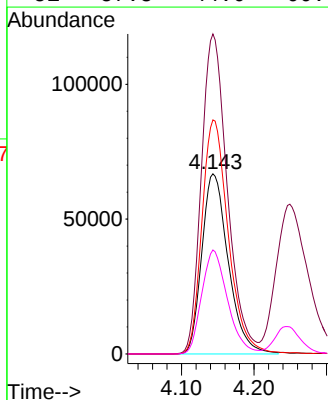
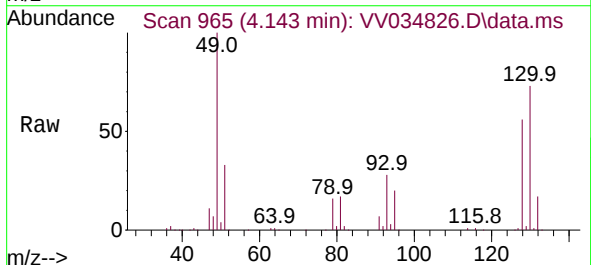
Instrument :
MSVOA_V
ClientSampleId :

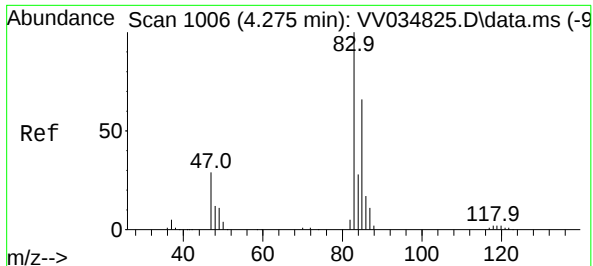
Tgt Ion: 43 Resp: 502829
Ion Ratio Lower Upper
43 100
72 29.2 13.2 39.6



#23
Bromochloromethane
Concen: 100.152 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion:128 Resp: 169215
Ion Ratio Lower Upper
128 100
49 177.6 123.8 229.8
130 129.9 93.2 173.0
51 57.8 44.0 66.0





#25

Chloroform

Concen: 99.291 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

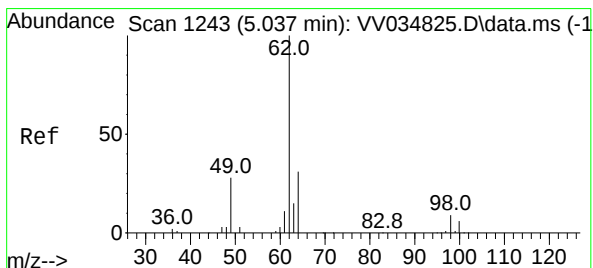
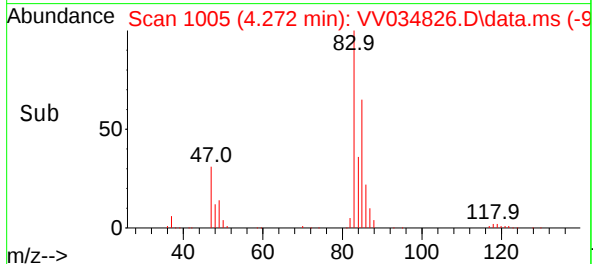
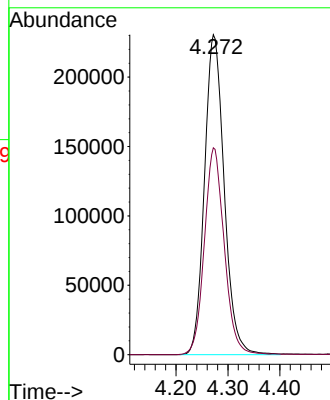
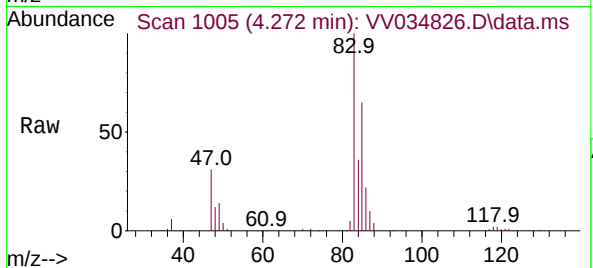
ClientSampleId :

Tgt Ion: 83 Resp: 607643

Ion Ratio Lower Upper

83 100

85 64.6 46.0 85.4



#27

1,2-Dichloroethane

Concen: 99.683 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV034826.D

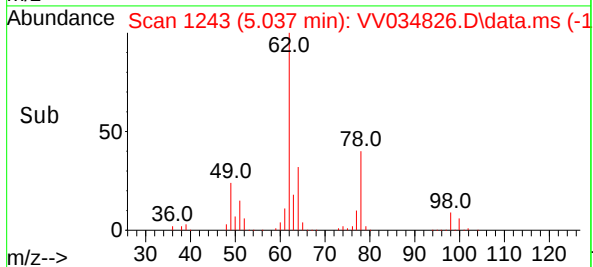
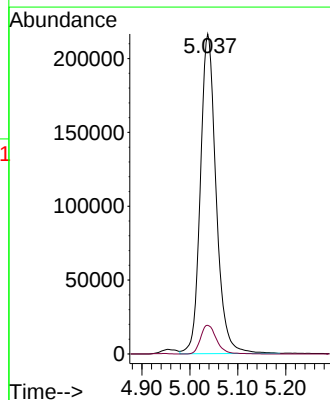
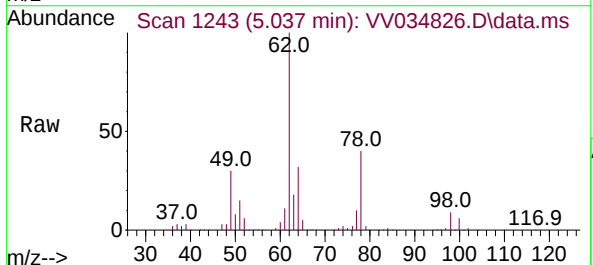
Acq: 26 Mar 2024 13:53

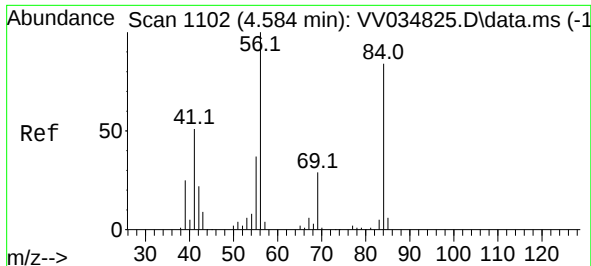
Tgt Ion: 62 Resp: 492840

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 99.086 ug/L

RT: 4.581 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

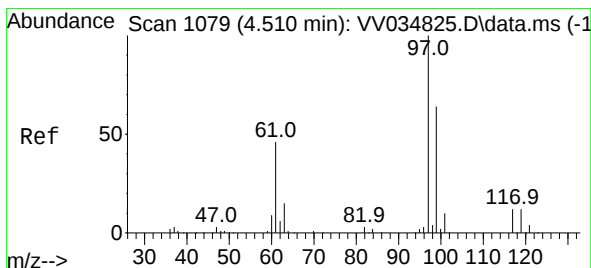
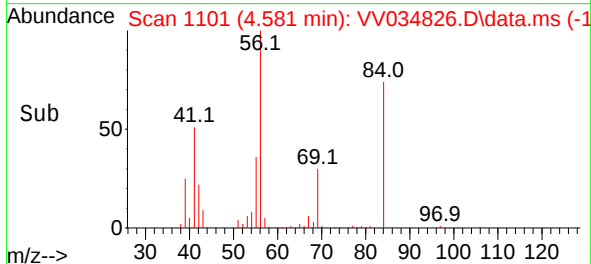
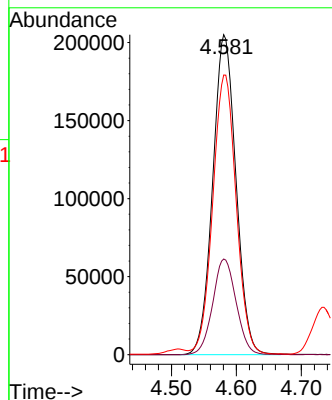
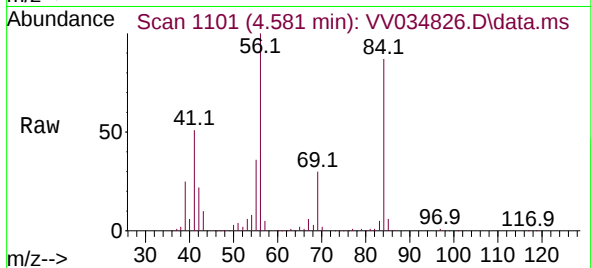
Tgt Ion: 56 Resp: 509611

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 87.7 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 91.085 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

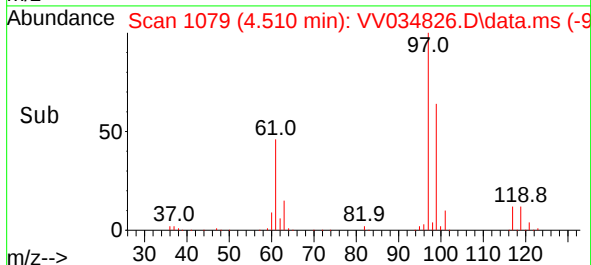
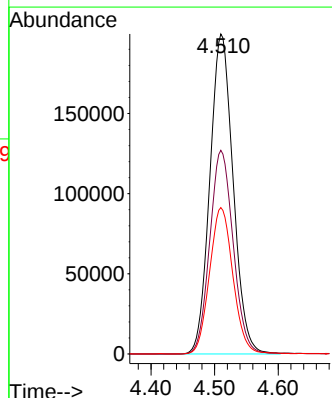
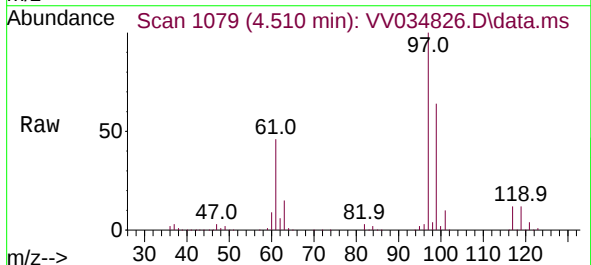
Tgt Ion: 97 Resp: 506533

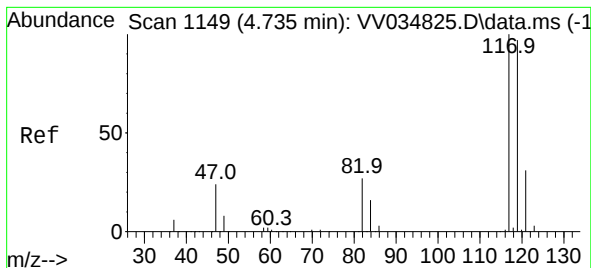
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 46.2 36.8 55.2





#31

Carbon tetrachloride

Concen: 89.621 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

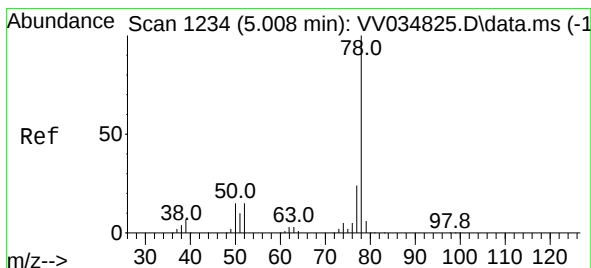
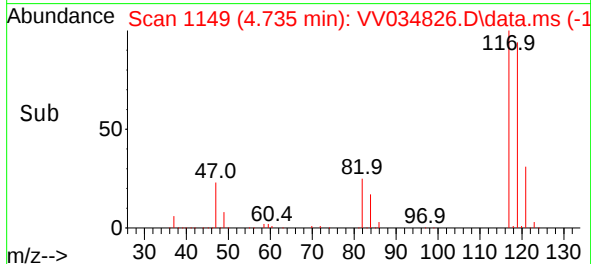
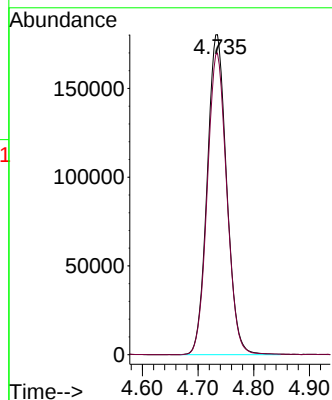
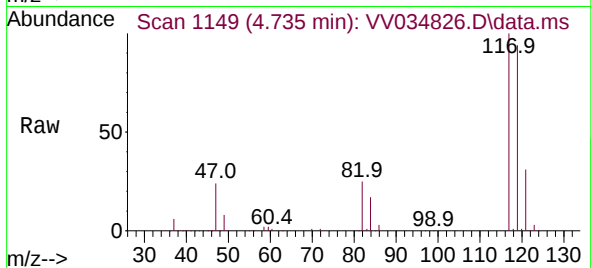
ClientSampleId :

Tgt Ion:117 Resp: 438412

Ion Ratio Lower Upper

117 100

119 94.5 77.1 115.7



#33

Benzene

Concen: 103.103 ug/L

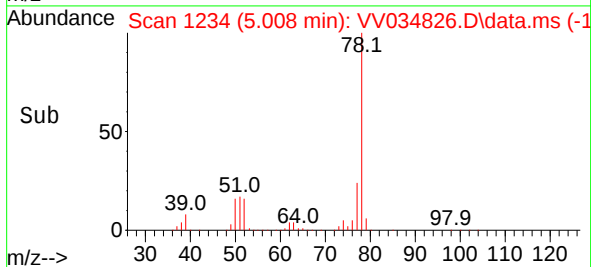
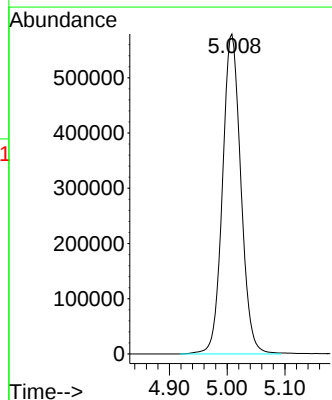
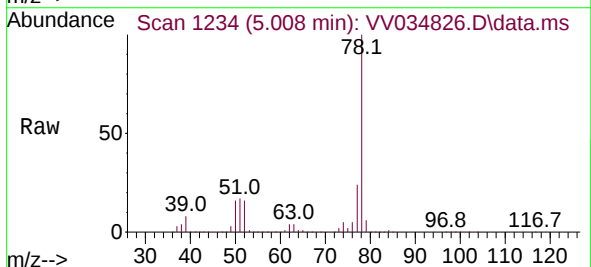
RT: 5.008 min Scan# 1234

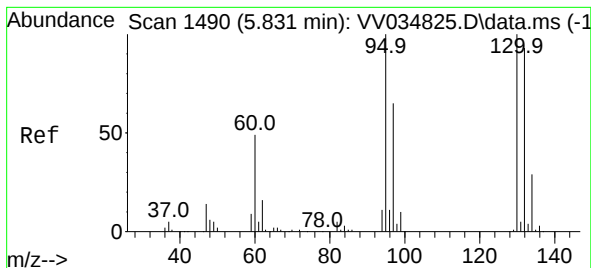
Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Tgt Ion: 78 Resp: 1280222





#34

Trichloroethene

Concen: 97.980 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 342348

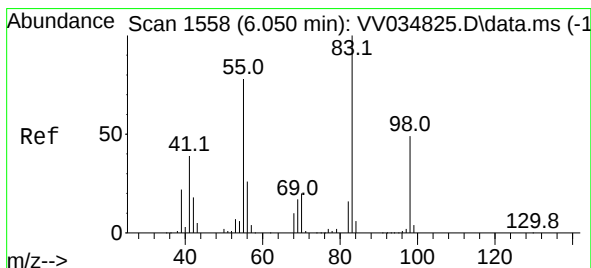
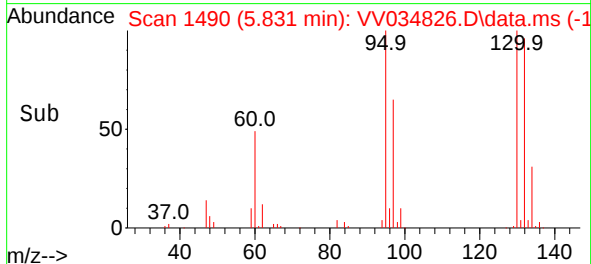
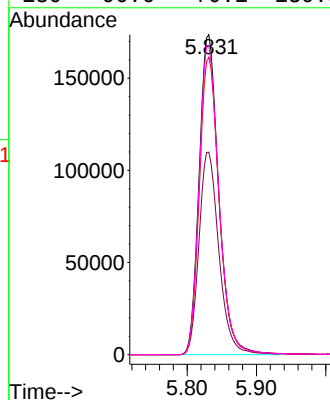
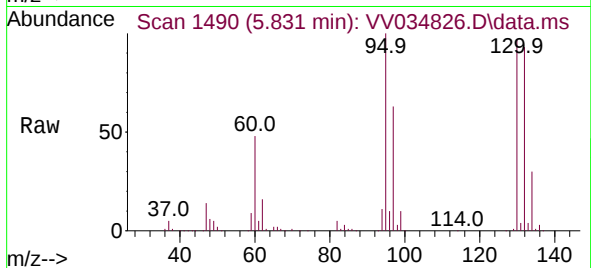
Ion Ratio Lower Upper

95 100

97 63.3 45.3 84.1

132 93.0 65.3 121.3

130 96.6 70.1 130.3



#35

Methylcyclohexane

Concen: 102.087 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

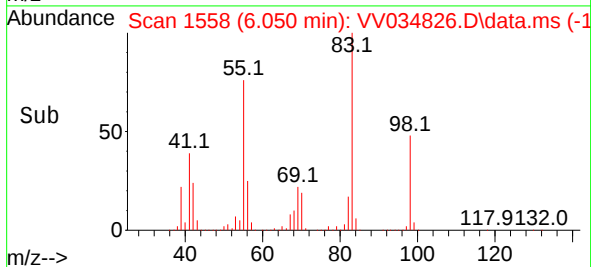
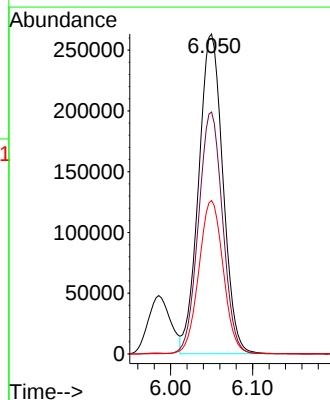
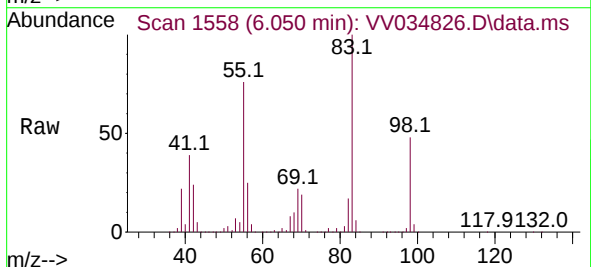
Tgt Ion: 83 Resp: 540353

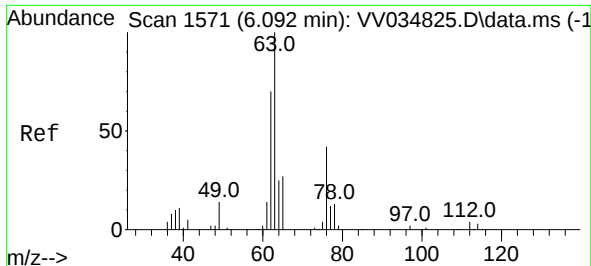
Ion Ratio Lower Upper

83 100

55 75.3 60.0 90.0

98 48.1 37.6 56.4





#37

1,2-Dichloropropane

Concen: 109.051 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

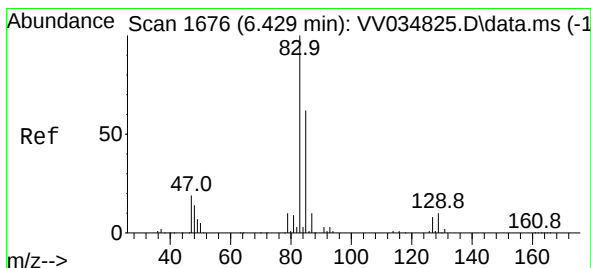
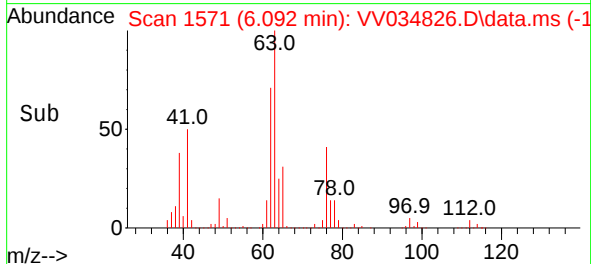
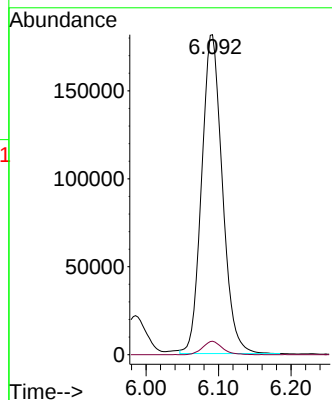
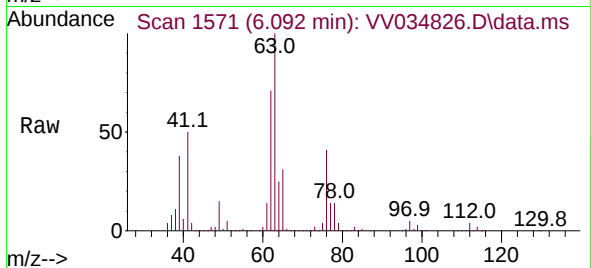
ClientSampleId :

Tgt Ion: 63 Resp: 359640

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 102.106 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

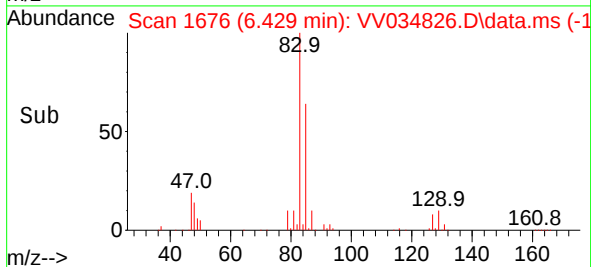
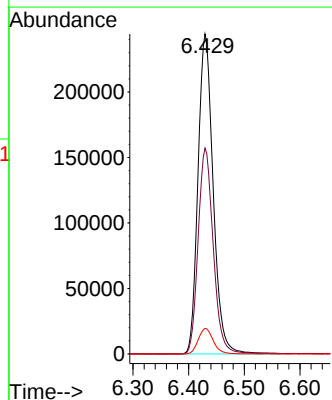
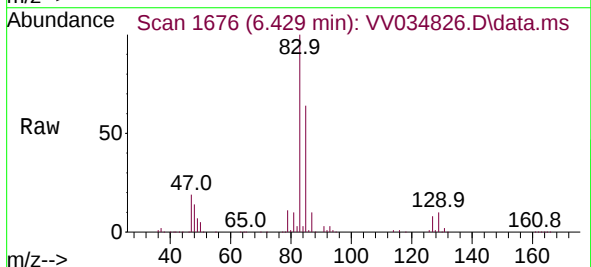
Tgt Ion: 83 Resp: 463447

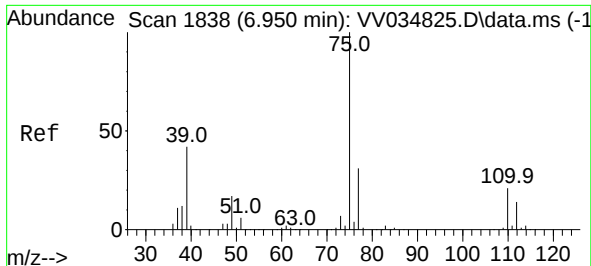
Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1

127 8.0 6.4 9.6

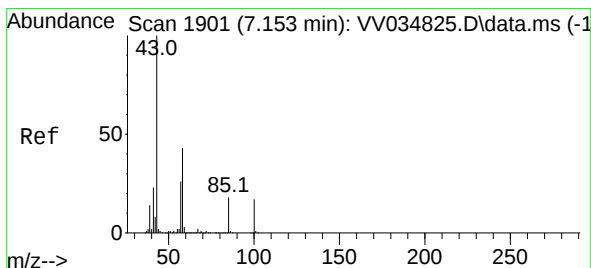
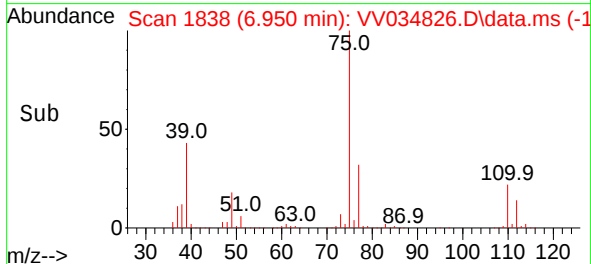
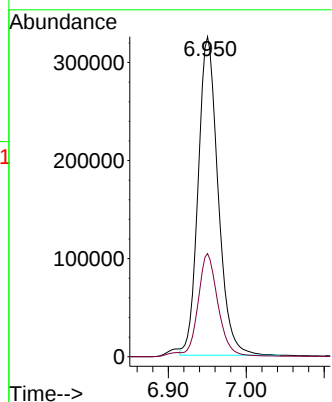
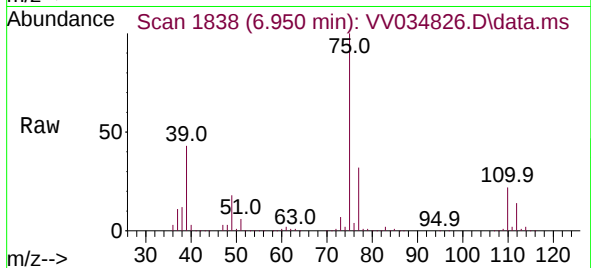




#39
cis-1,3-Dichloropropene
Concen: 108.952 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

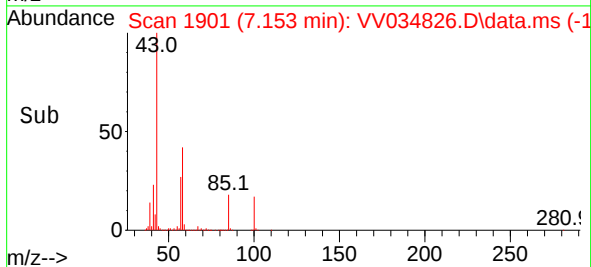
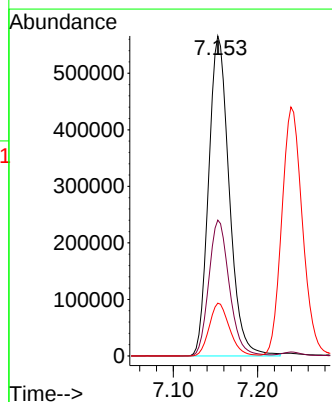
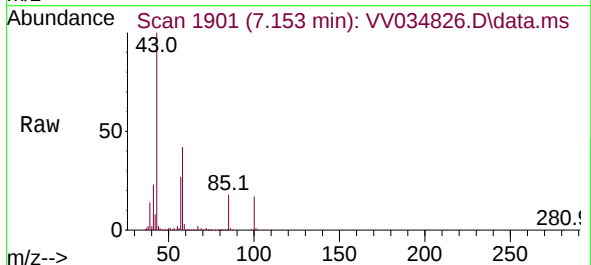
Instrument :
MSVOA_V
ClientSampleId :

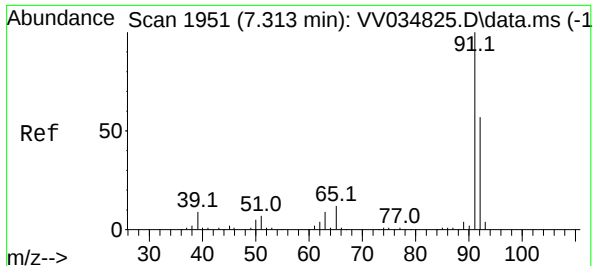
Tgt Ion: 75 Resp: 576178
Ion Ratio Lower Upper
75 100
77 32.2 21.9 40.7



#40
4-Methyl-2-pentanone
Concen: 203.830 ug/L
RT: 7.153 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion: 43 Resp: 961751
Ion Ratio Lower Upper
43 100
58 42.4 33.8 50.8
100 16.3 13.0 19.4





#42

Toluene

Concen: 103.871 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

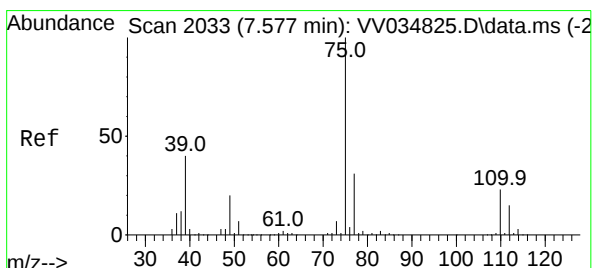
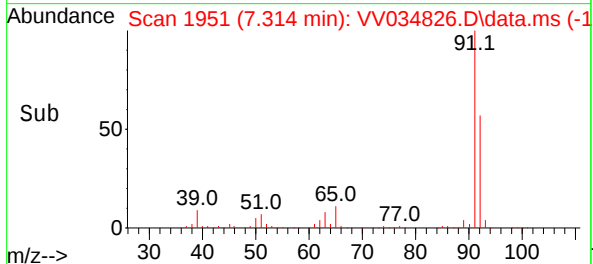
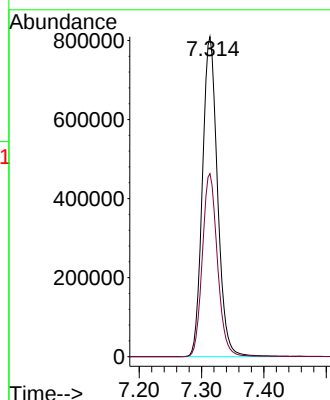
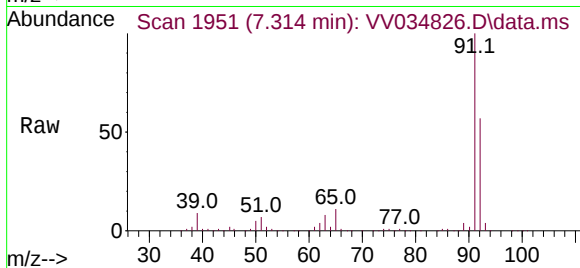
ClientSampleId :

Tgt Ion: 91 Resp: 1363963

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 110.055 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV034826.D

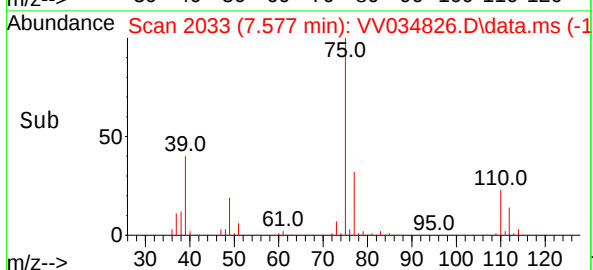
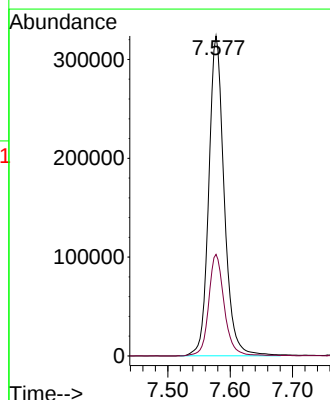
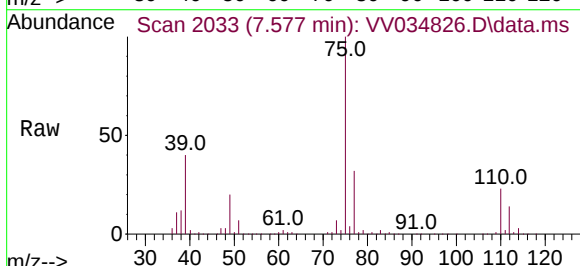
Acq: 26 Mar 2024 13:53

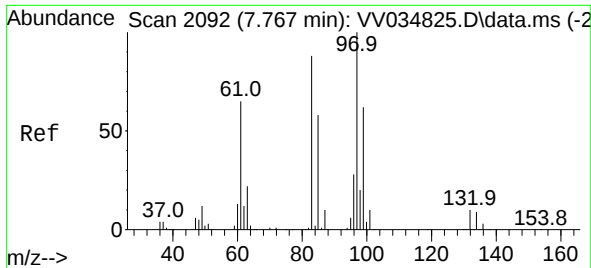
Tgt Ion: 75 Resp: 557763

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 106.594 ug/L

RT: 7.764 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 336757

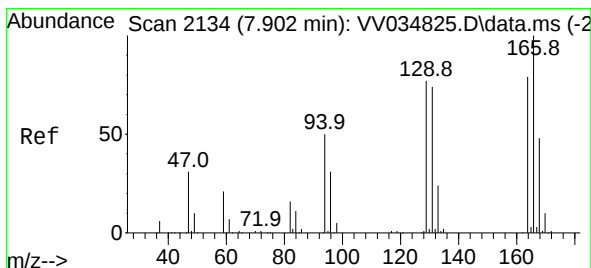
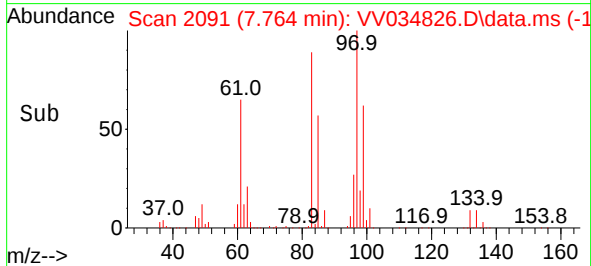
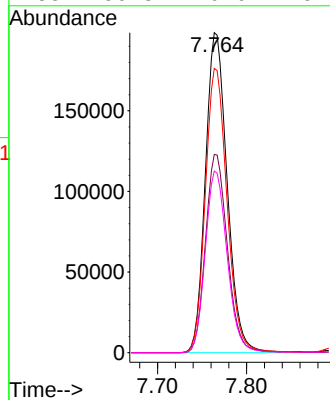
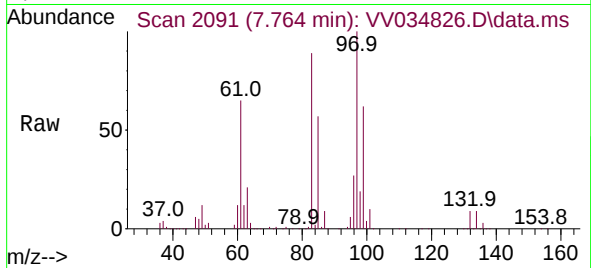
Ion Ratio Lower Upper

97 100

99 61.9 43.3 80.3

83 88.8 61.6 114.4

85 56.8 40.6 75.4



#46

Tetrachloroethene

Concen: 94.070 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Tgt Ion:164 Resp: 240928

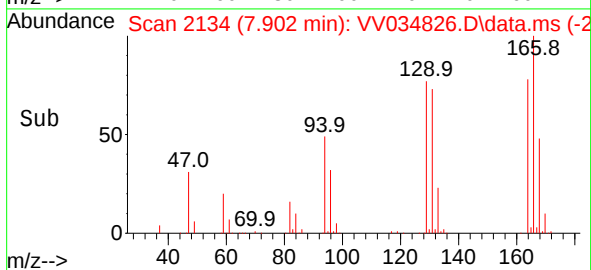
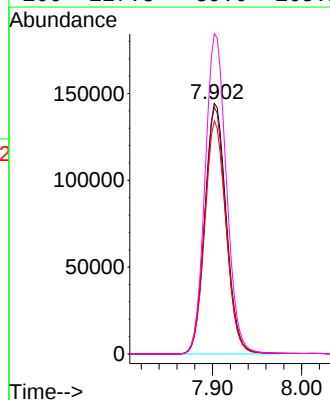
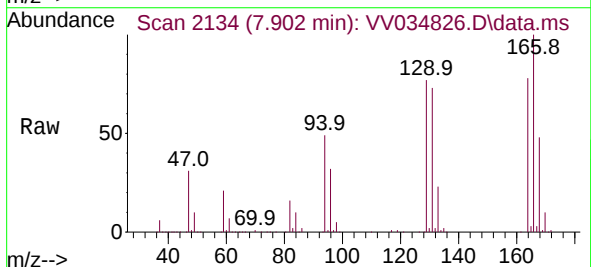
Ion Ratio Lower Upper

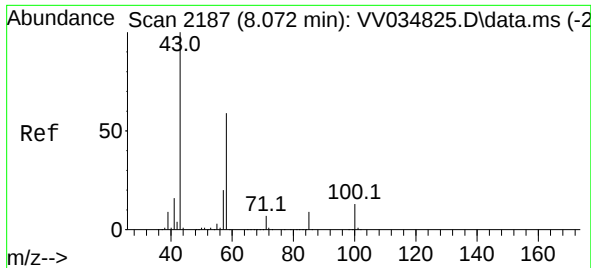
164 100

129 98.5 68.6 127.4

131 93.1 65.7 122.1

166 127.8 89.0 165.2

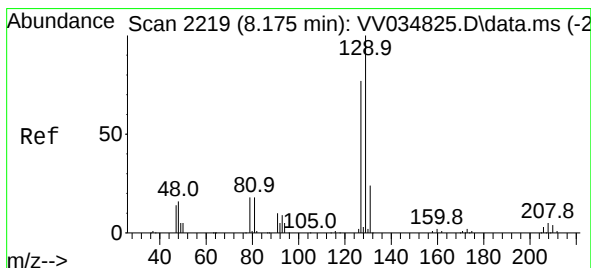
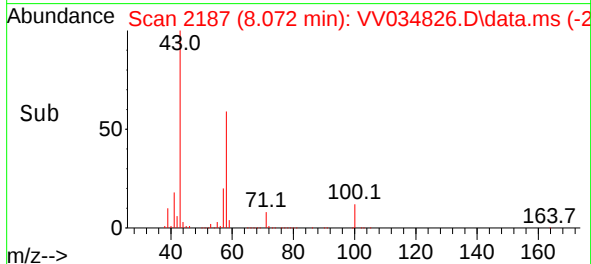
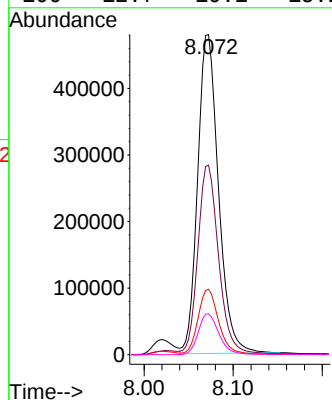
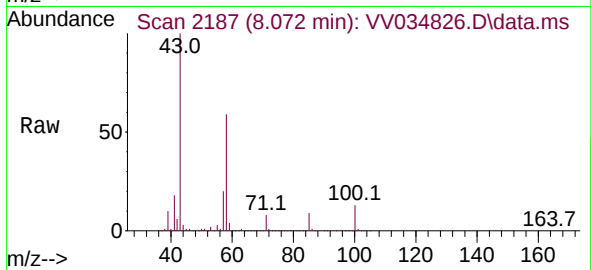




#48
2-Hexanone
Concen: 207.535 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

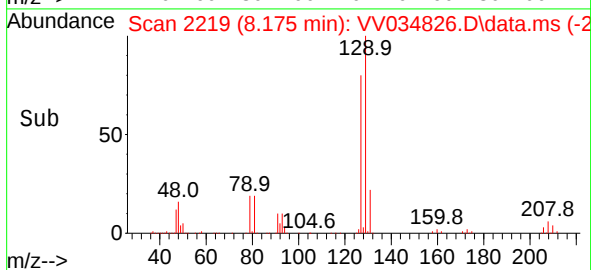
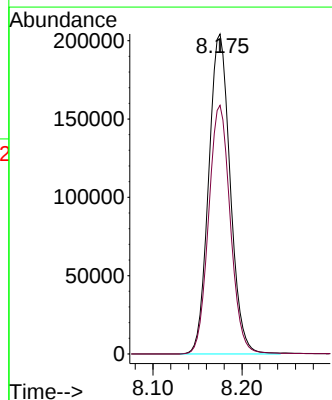
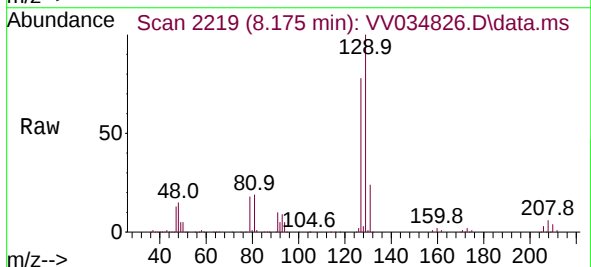
Instrument :
MSVOA_V
ClientSampleId :

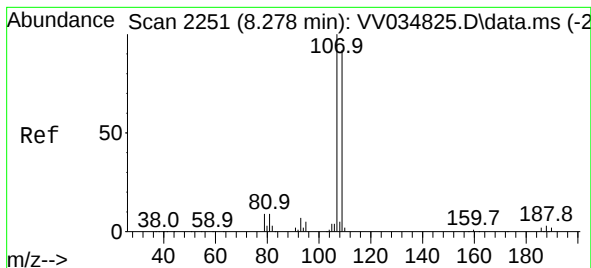
Tgt Ion:	43	Resp:	779943
Ion	Ratio	Lower	Upper
43	100		
58	59.7	45.4	68.2
57	20.3	16.2	24.4
100	12.7	10.1	15.1



#49
Dibromochloromethane
Concen: 104.051 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion:	129	Resp:	342711
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.1	100.5





#50

1,2-Dibromoethane

Concen: 107.750 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

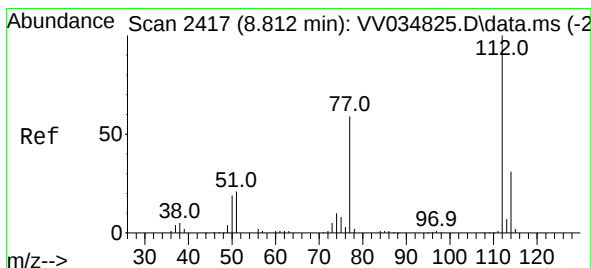
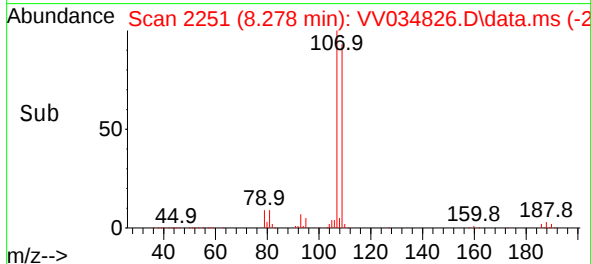
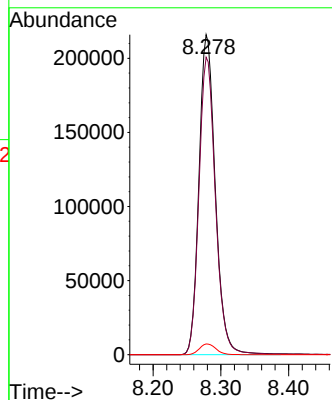
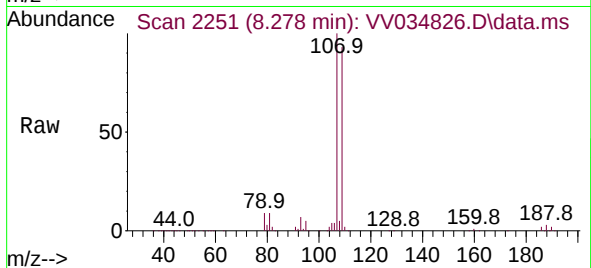
Tgt Ion:107 Resp: 361731

Ion Ratio Lower Upper

107 100

109 92.9 64.5 119.9

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 101.883 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

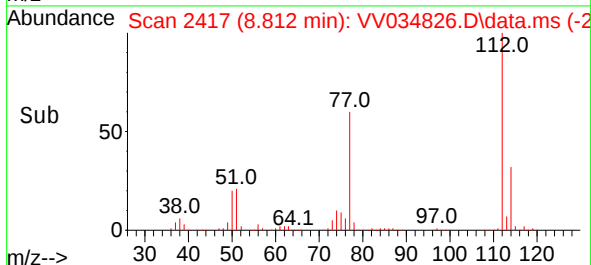
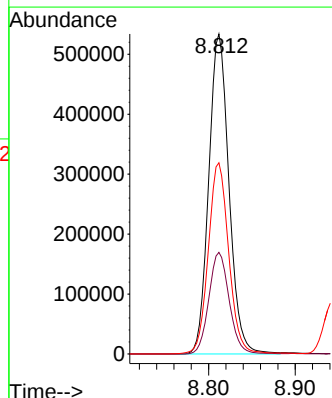
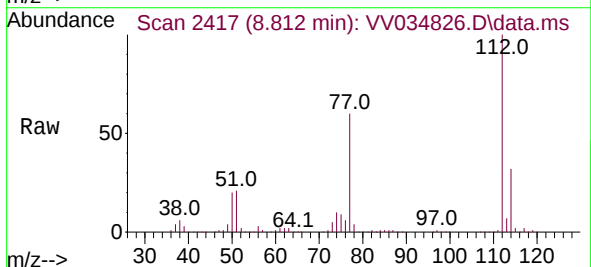
Tgt Ion:112 Resp: 866585

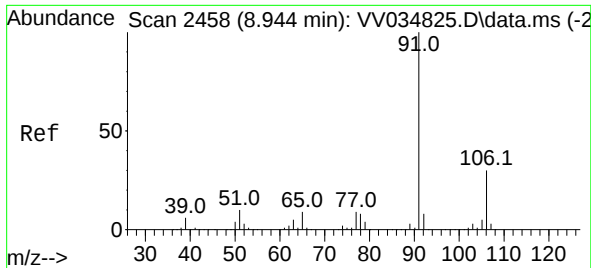
Ion Ratio Lower Upper

112 100

114 31.8 22.0 41.0

77 59.7 47.4 71.2

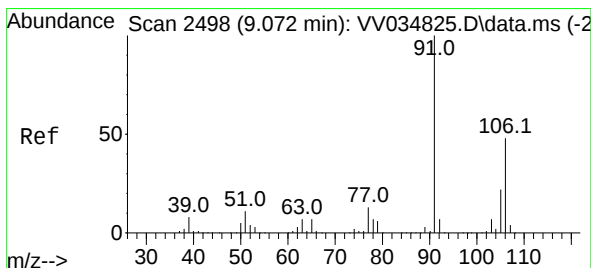
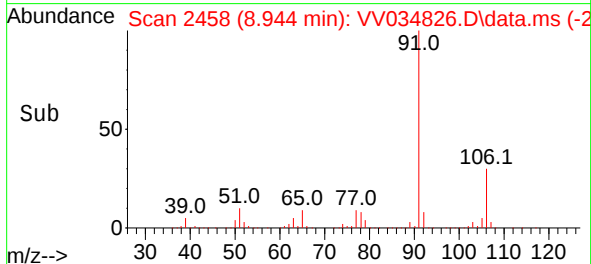
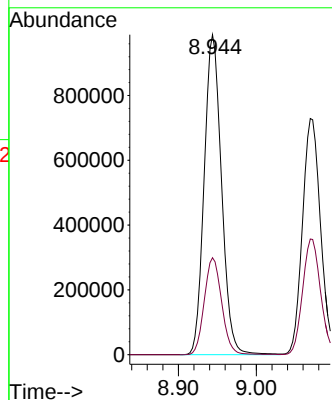
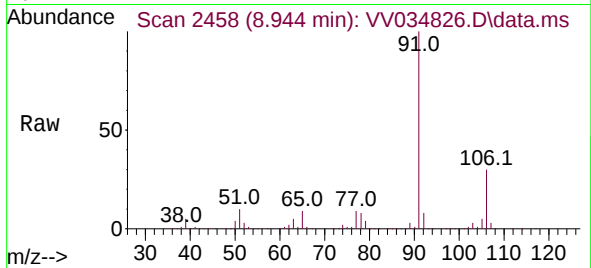




#52
Ethylbenzene
Concen: 104.204 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

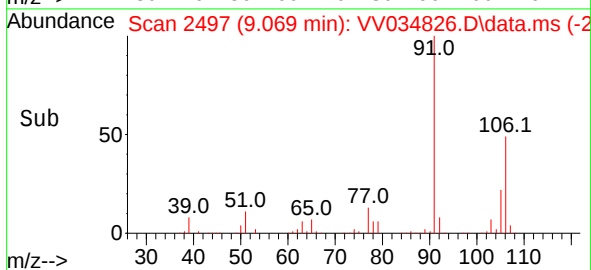
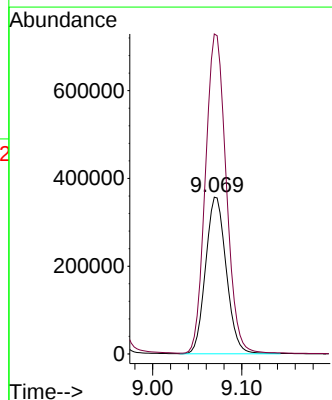
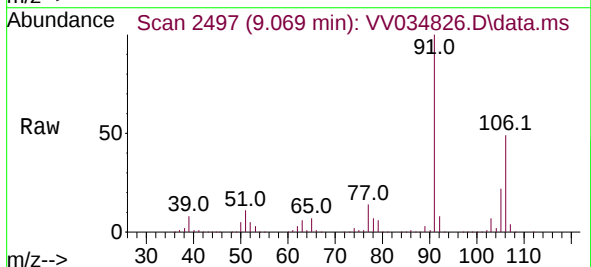
Instrument :
MSVOA_V
ClientSampleId :

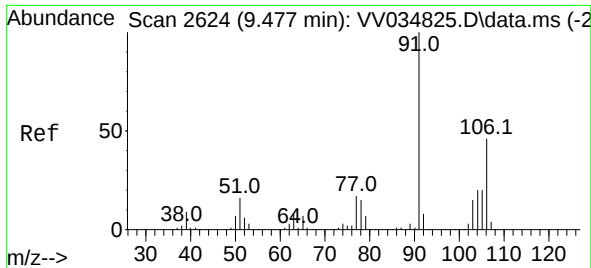
Tgt Ion: 91 Resp: 1527332
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.5



#53
m,p-Xylene
Concen: 103.258 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion:106 Resp: 574048
Ion Ratio Lower Upper
106 100
91 204.1 144.8 269.0

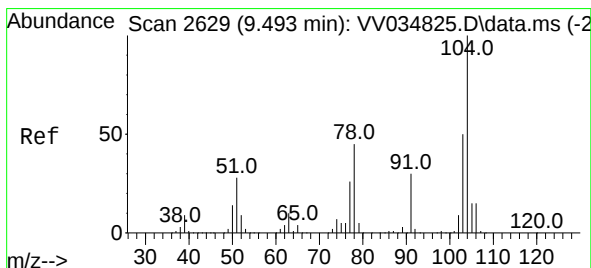
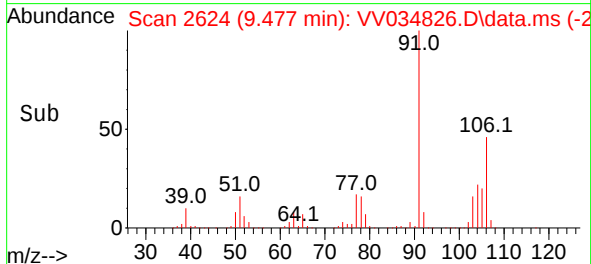
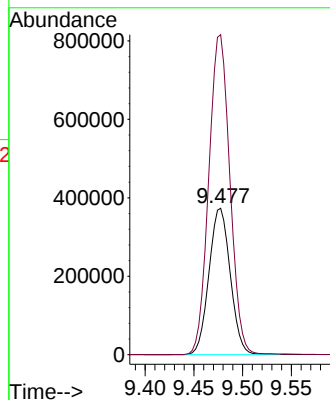
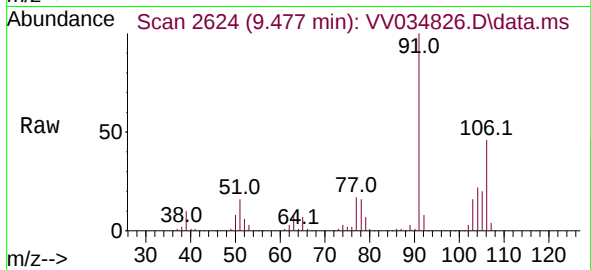




#54
o-Xylene
Concen: 104.197 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

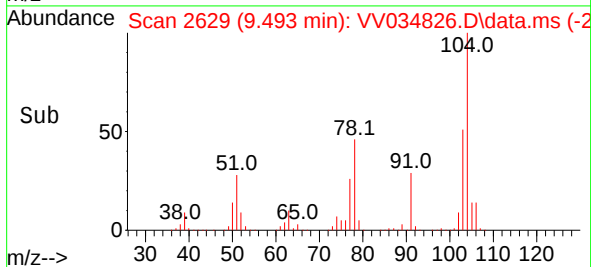
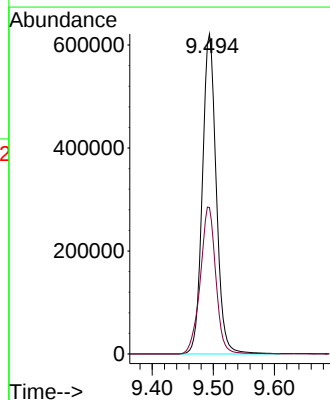
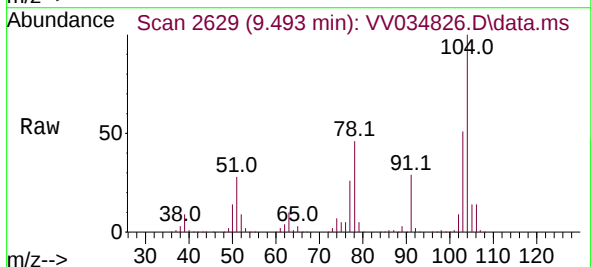
Instrument :
MSVOA_V
ClientSampleId :

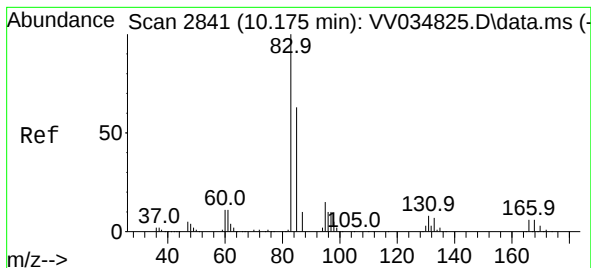
Tgt Ion:106 Resp: 568276
Ion Ratio Lower Upper
106 100
91 218.6 151.3 280.9



#55
Styrene
Concen: 106.578 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

Tgt Ion:104 Resp: 982456
Ion Ratio Lower Upper
104 100
78 45.7 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 114.473 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

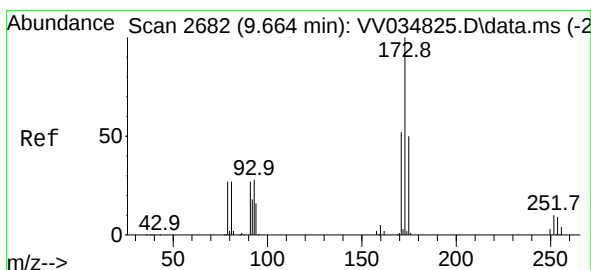
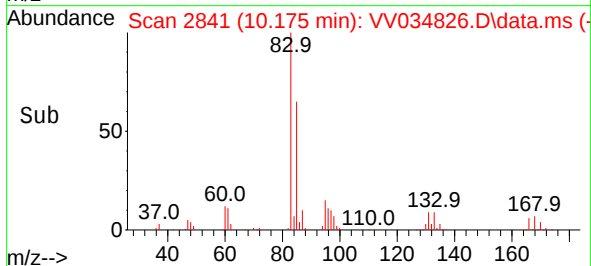
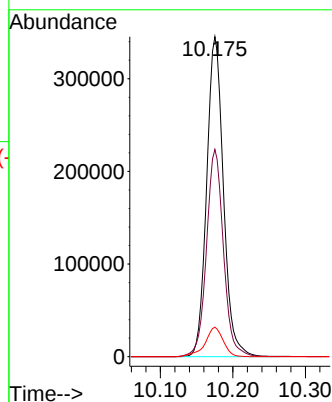
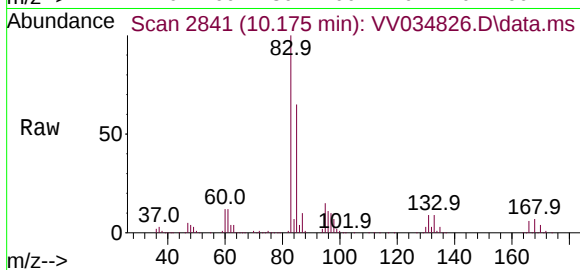
Tgt Ion: 83 Resp: 554888

Ion Ratio Lower Upper

83 100

85 64.7 44.5 82.7

131 9.2 6.9 10.3



#59

Bromoform

Concen: 109.254 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

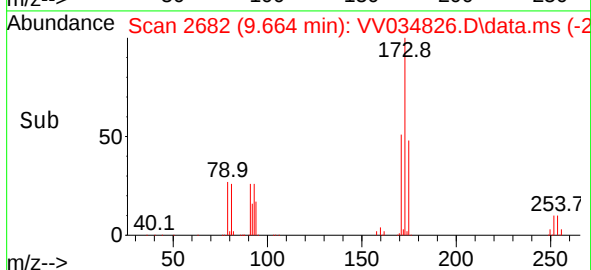
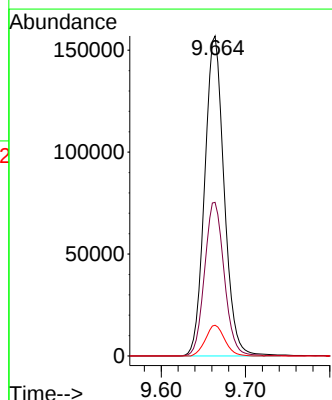
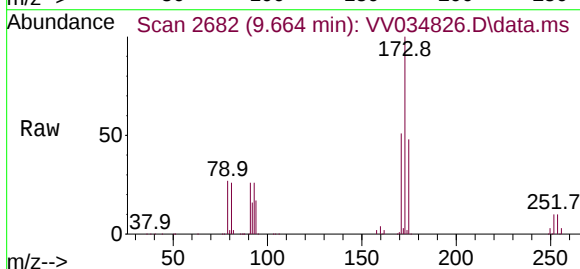
Tgt Ion: 173 Resp: 252382

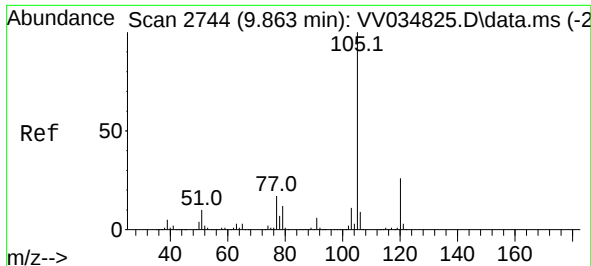
Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

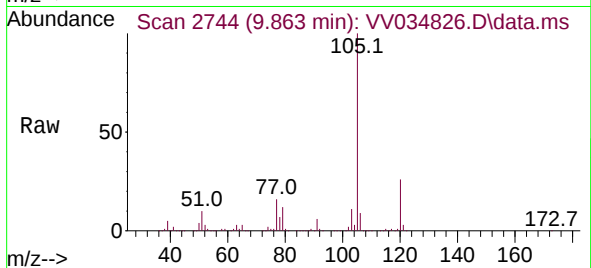
254 9.5 7.5 11.3



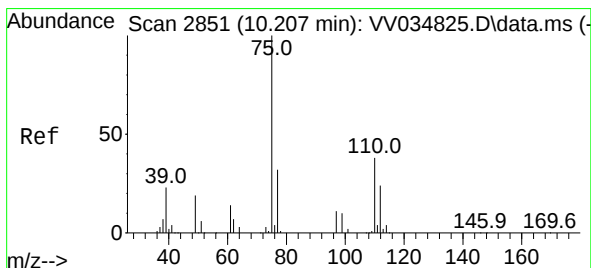
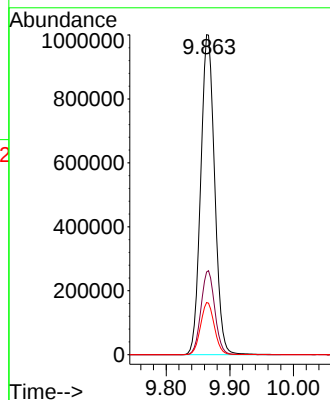
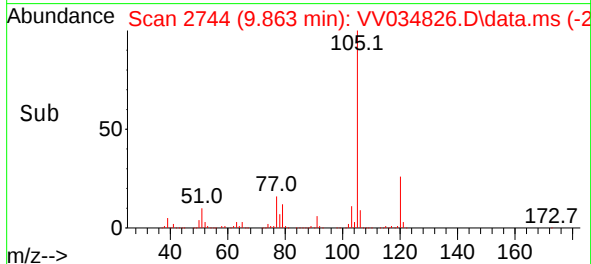


#60
Isopropylbenzene
Concen: 103.418 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53

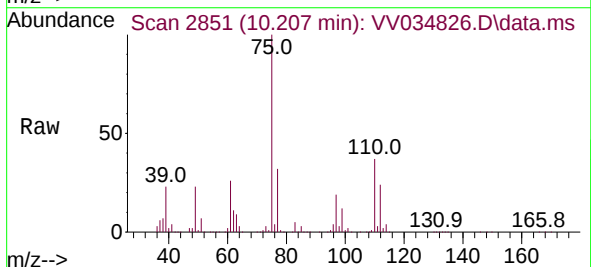
Instrument :
MSVOA_V
ClientSampleId :



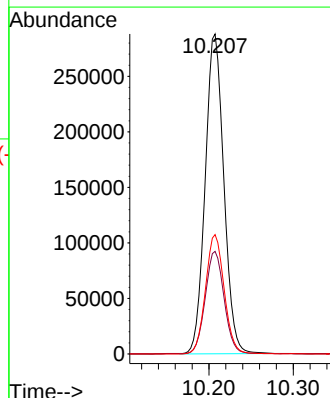
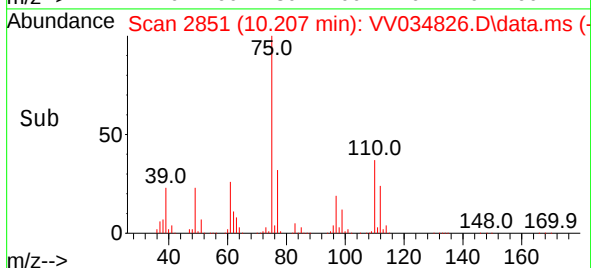
Tgt Ion:105 Resp: 1523649
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.2 13.1 19.7

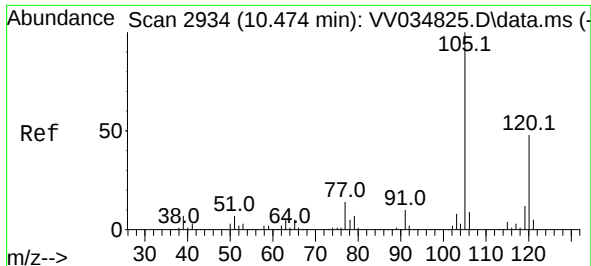


#61
1,2,3-Trichloropropane
Concen: 109.024 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034826.D
Acq: 26 Mar 2024 13:53



Tgt Ion: 75 Resp: 444629
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 37.3 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 86.226 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

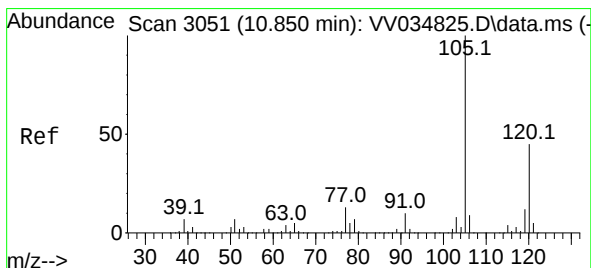
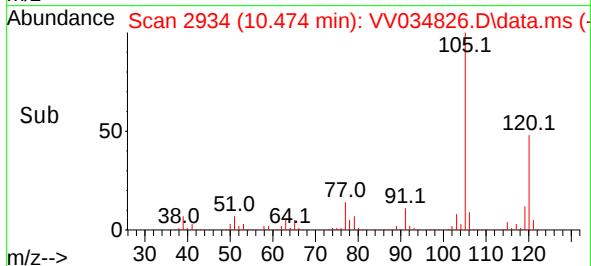
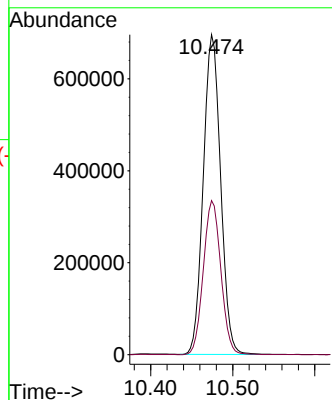
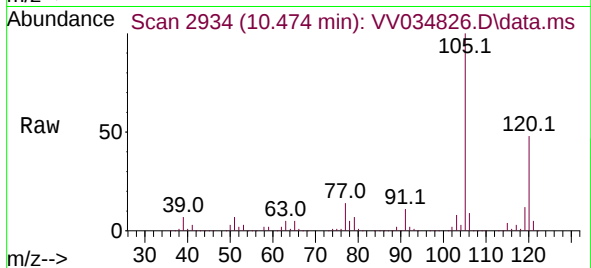
ClientSampleId :

Tgt Ion:105 Resp: 1021477

Ion Ratio Lower Upper

105 100

120 48.6 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 104.093 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034826.D

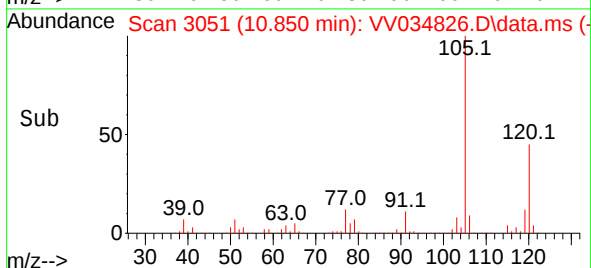
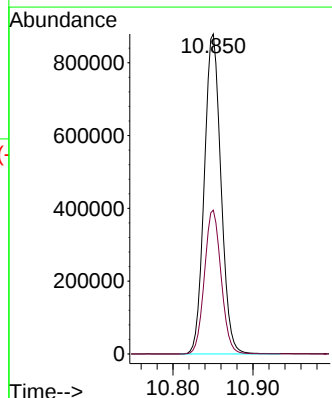
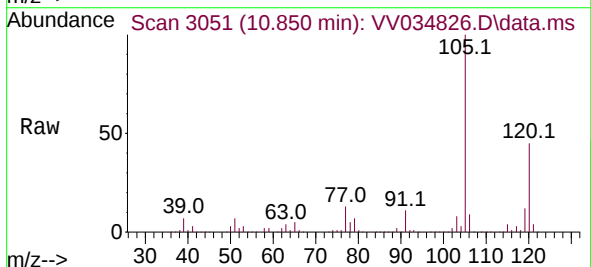
Acq: 26 Mar 2024 13:53

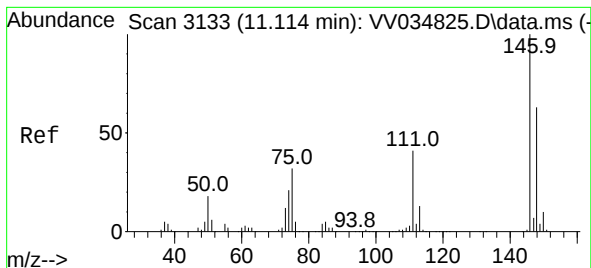
Tgt Ion:105 Resp: 1275430

Ion Ratio Lower Upper

105 100

120 45.0 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 100.778 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

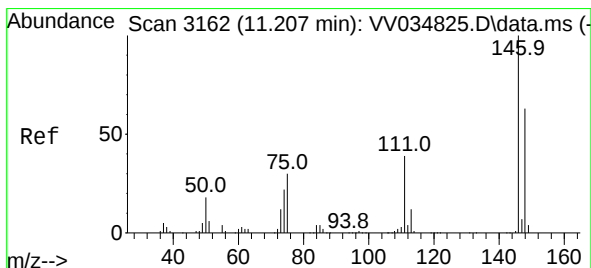
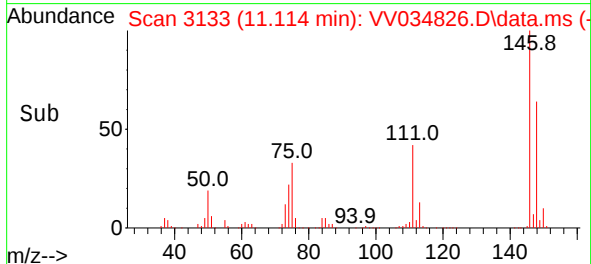
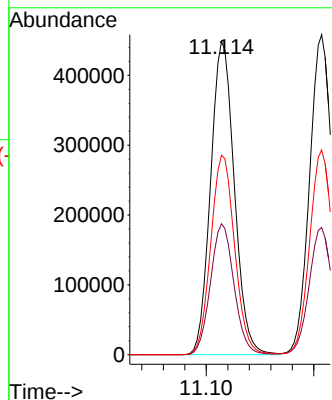
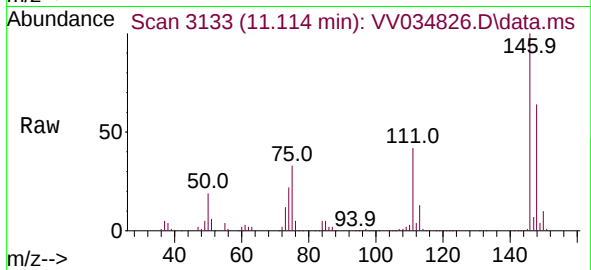
Tgt Ion:146 Resp: 687029

Ion Ratio Lower Upper

146 100

111 41.8 28.7 53.3

148 63.7 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 100.266 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

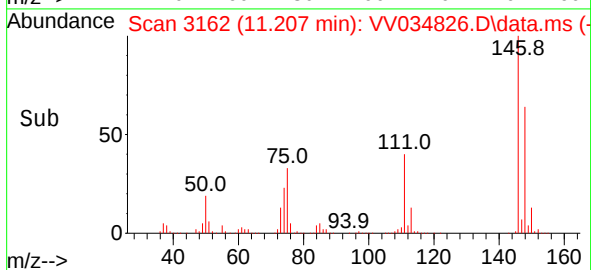
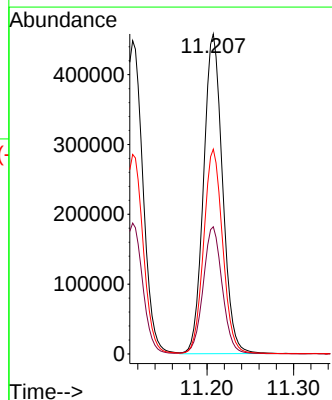
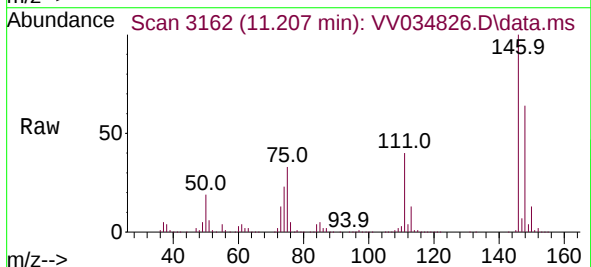
Tgt Ion:146 Resp: 697042

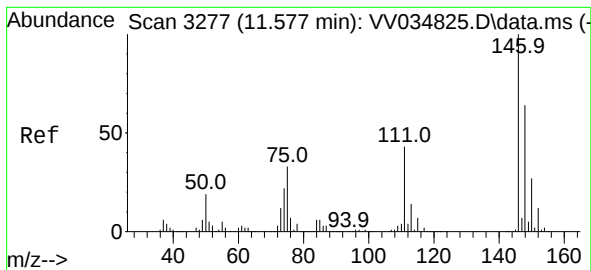
Ion Ratio Lower Upper

146 100

111 39.8 27.4 50.8

148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 101.051 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

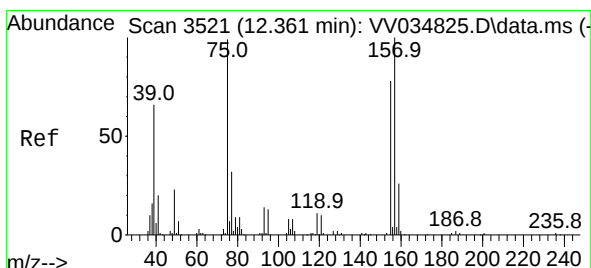
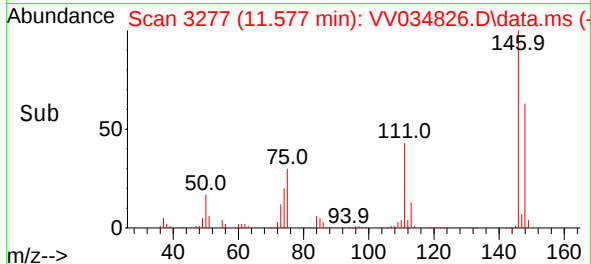
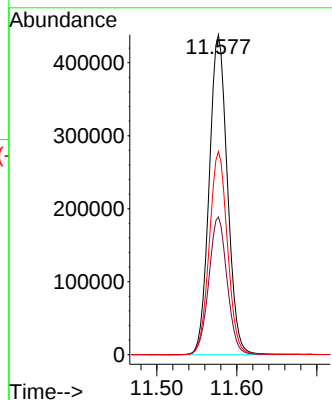
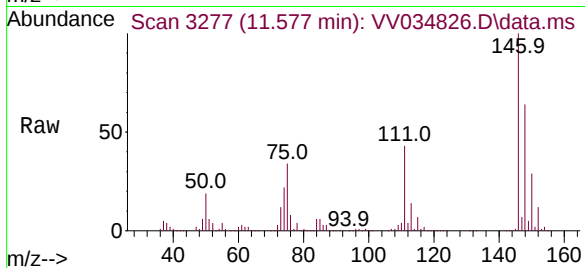
Tgt Ion:146 Resp: 690918

Ion Ratio Lower Upper

146 100

111 43.0 34.6 52.0

148 63.5 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 112.973 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

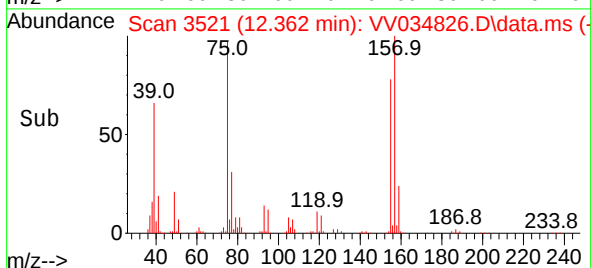
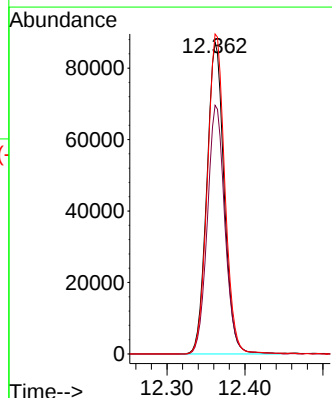
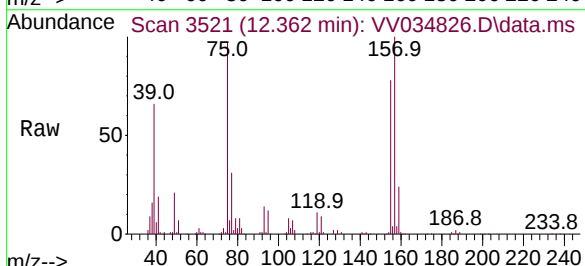
Tgt Ion: 75 Resp: 134854

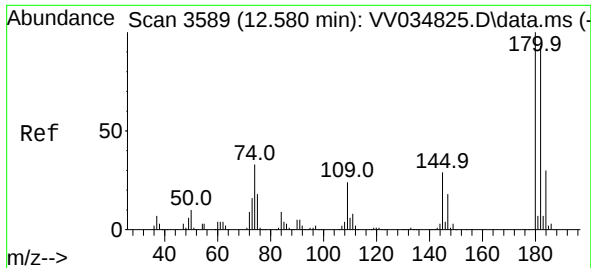
Ion Ratio Lower Upper

75 100

155 79.8 63.0 94.6

157 102.7 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 99.935 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

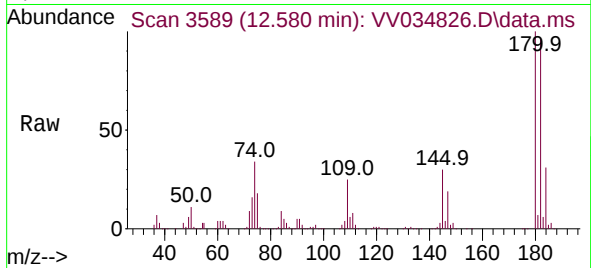
Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 507100

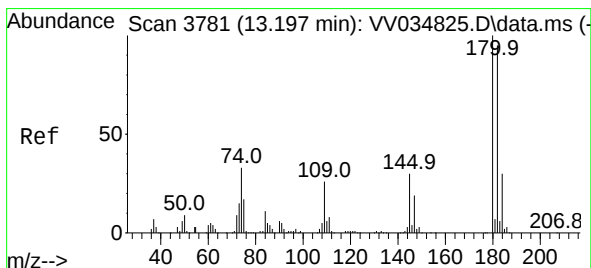
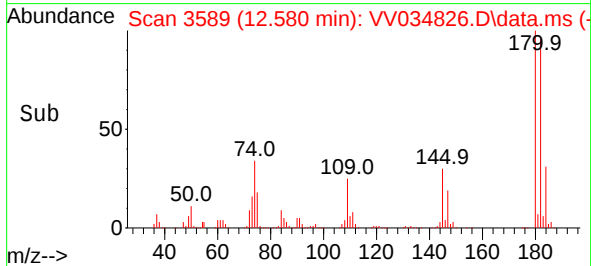
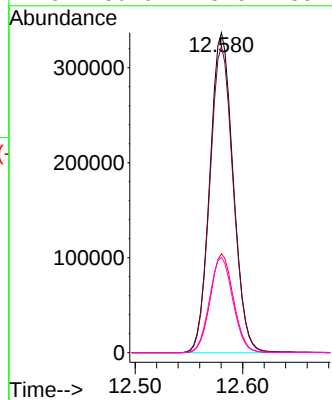
Ion Ratio Lower Upper

180 100

182 96.0 74.7 112.1

184 30.7 24.0 36.0

145 30.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 107.786 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

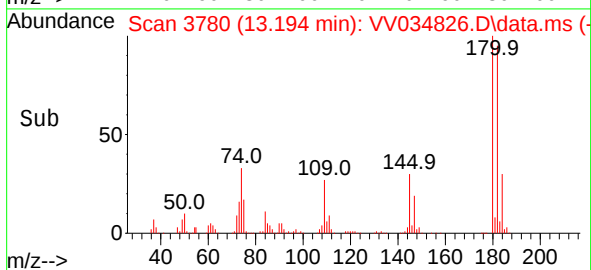
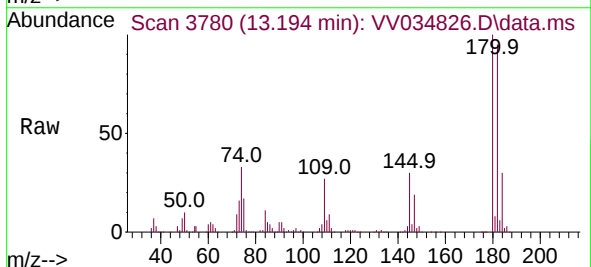
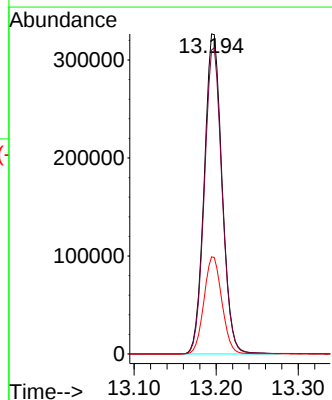
Tgt Ion:180 Resp: 492855

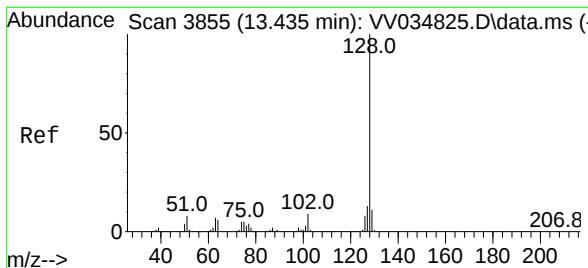
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

145 30.5 24.1 36.1





#71

Naphthalene

Concen: 115.924 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

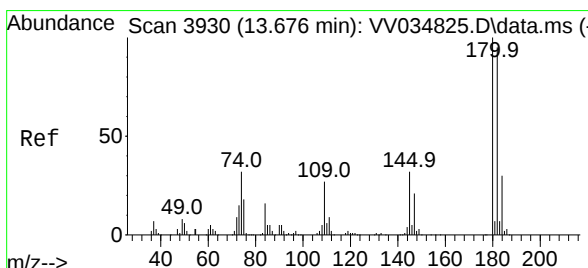
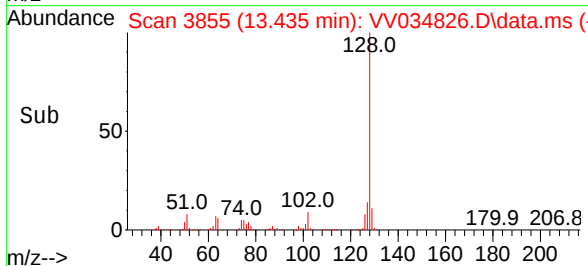
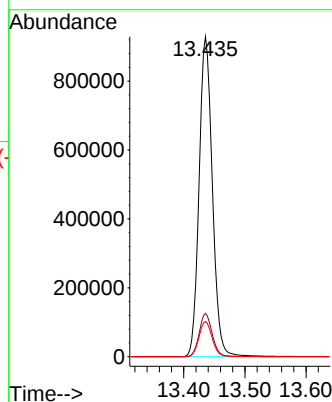
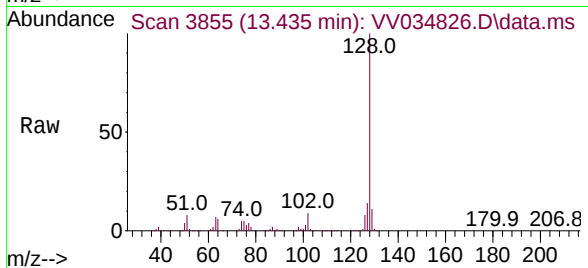
Tgt Ion:128 Resp: 1401124

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 109.053 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV034826.D

Acq: 26 Mar 2024 13:53

Tgt Ion:180 Resp: 485747

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 31.7 25.8 38.6

