

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
 Data File : VV035883.D
 Acq On : 30 May 2024 10:15
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 00:07:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	483721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	499095	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	278821	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	406713	51.431	ug/L	0.00
7) Chloroethane-d5	1.529	69	318434	50.352	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	172579	49.631	ug/L	0.00
21) 2-Butanone-d5	3.838	46	186398	88.515	ug/L	-0.02
24) Chloroform-d	4.243	84	691419	47.148	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	359517	48.904	ug/L	0.00
32) Benzene-d6	4.953	84	1387894	49.068	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	424013	48.697	ug/L	0.00
41) Toluene-d8	7.240	98	1292262	51.211	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	185043	49.997	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	132357	88.837	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	280485	35.670	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.555	152	454437	45.988	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	388052	40.317	ug/L	100
3) Chloromethane	1.214	50	463589	46.209	ug/L	99
5) Vinyl chloride	1.278	62	481811	46.730	ug/L	99
6) Bromomethane	1.484	94	301866	46.326	ug/L	99
8) Chloroethane	1.545	64	297736	46.993	ug/L	98
9) Trichlorofluoromethane	1.709	101	584014	44.300	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	373248	44.949	ug/L	99
12) 1,1-Dichloroethene	2.066	96	347353	45.679	ug/L	99
13) Acetone	2.384	43	159576	50.229	ug/L	69
14) Carbon disulfide	2.233	76	1230855	48.840	ug/L	100
15) Methyl Acetate	2.384	43	195858	43.549	ug/L	96
16) Methylene chloride	2.442	84	431515	38.758	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	389432	46.304	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	928260	46.666	ug/L	100
19) 1,1-Dichloroethane	3.108	63	732509	46.794	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	409311	45.809	ug/L	99
22) 2-Butanone	3.905	43	264700	91.302	ug/L #	77
23) Bromochloromethane	4.143	128	198708	45.693	ug/L	99
25) Chloroform	4.272	83	753059	46.727	ug/L	99
27) 1,2-Dichloroethane	5.037	62	488896	48.341	ug/L	99
29) Cyclohexane	4.577	56	615466	50.933	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	621601	45.394	ug/L	100
31) Carbon tetrachloride	4.728	117	543252	45.284	ug/L	100
33) Benzene	5.005	78	1588382	48.147	ug/L	100
34) Trichloroethene	5.828	95	486884	51.346	ug/L	99
35) Methylcyclohexane	6.047	83	717737	50.218	ug/L	98
37) 1,2-Dichloropropane	6.088	63	427501	49.959	ug/L	100
38) Bromodichloromethane	6.429	83	533987	46.410	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	670365	50.305	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	483607	94.982	ug/L	98
42) Toluene	7.310	91	1715781	49.343	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	583556	49.988	ug/L	98

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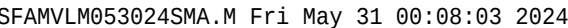
Instrument :
 MSVOA_V
 ClientSampleId :

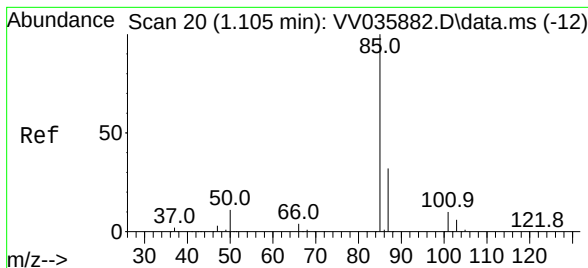
Quant Time: May 31 00:07:51 2024
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 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	330732	45.680	ug/L	99
46) Tetrachloroethene	7.902	164	341323	45.330	ug/L	99
48) 2-Hexanone	8.076	43	400504	102.842	ug/L	96
49) Dibromochloromethane	8.172	129	371858	45.911	ug/L	99
50) 1,2-Dibromoethane	8.278	107	329619	46.283	ug/L	99
51) Chlorobenzene	8.809	112	1097553	45.891	ug/L	99
52) Ethylbenzene	8.940	91	1901250	49.850	ug/L	100
53) m,p-Xylene	9.069	106	723467	50.159	ug/L	100
54) o-Xylene	9.474	106	690299	50.629	ug/L	98
55) Styrene	9.490	104	1238353	51.944	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	270592	32.748	ug/L	99
59) Bromoform	9.661	173	244030	45.453	ug/L	99
60) Isopropylbenzene	9.863	105	1889932	51.546	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	304476	47.052	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	1427168	50.856	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1564739	53.175	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	911956	47.413	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	927817	46.317	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	855224	47.164	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	69717	46.424	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	692528	46.530	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	579633	46.922	ug/L	99
71) Naphthalene	13.435	128	1030165	47.871	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	539973	48.025	ug/L	99

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

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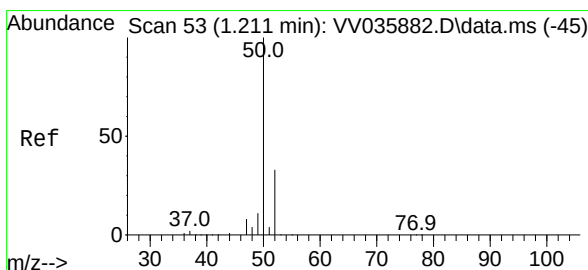
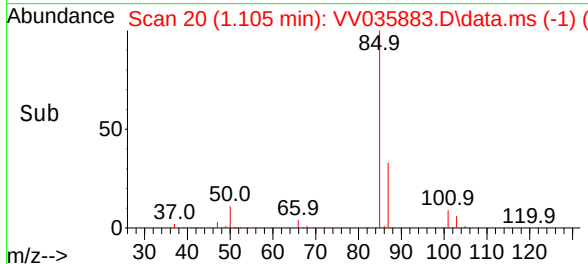
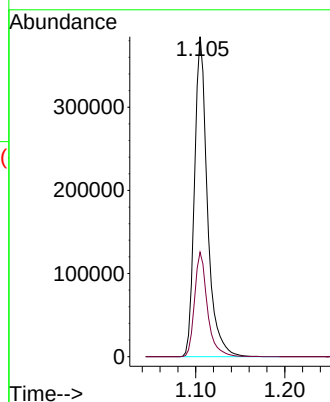
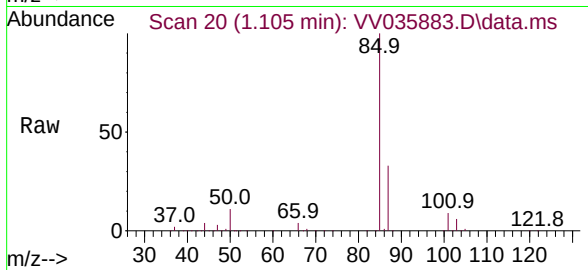




#2
 Dichlorodifluoromethane
 Concen: 40.317 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

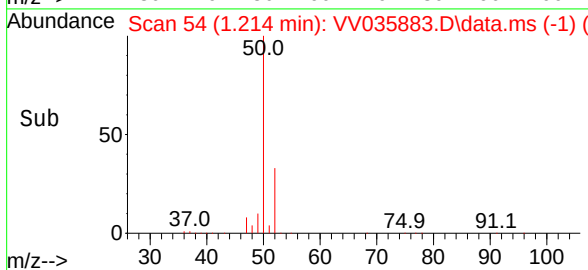
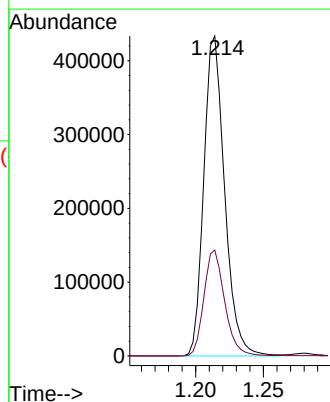
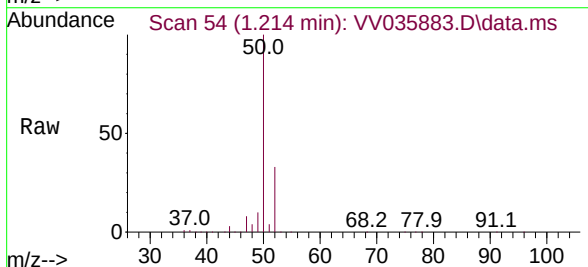
Instrument :
 MSVOA_V
 ClientSampleId :

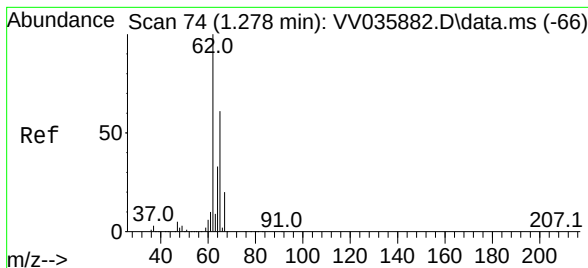
Tgt Ion: 85 Resp: 388052
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 46.209 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

Tgt Ion: 50 Resp: 463589
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 46.730 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

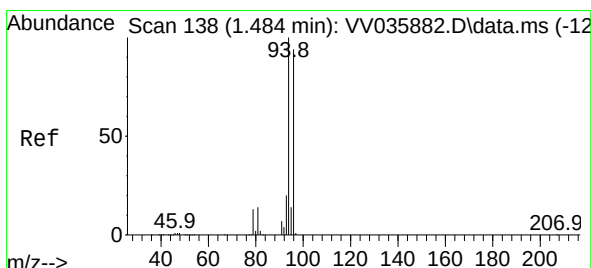
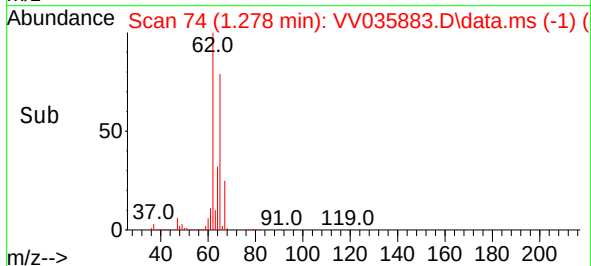
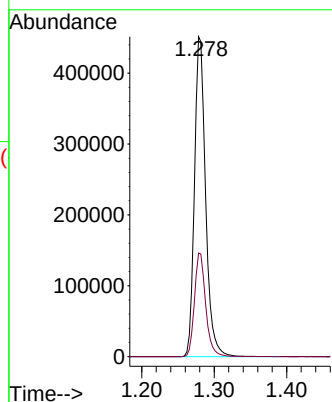
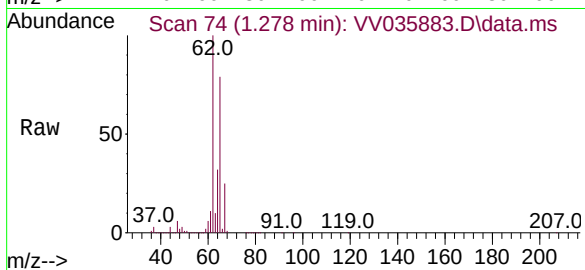
ClientSampleId :

Tgt Ion: 62 Resp: 481811

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#6

Bromomethane

Concen: 46.326 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV035883.D

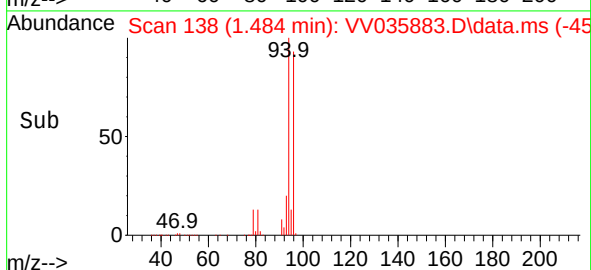
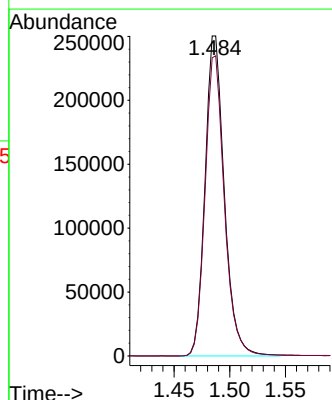
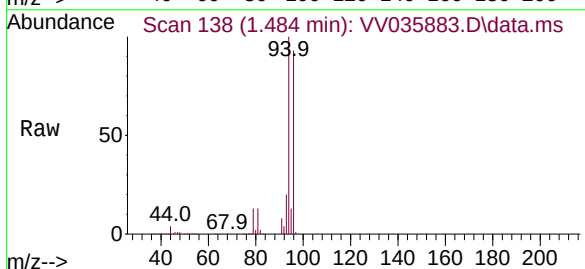
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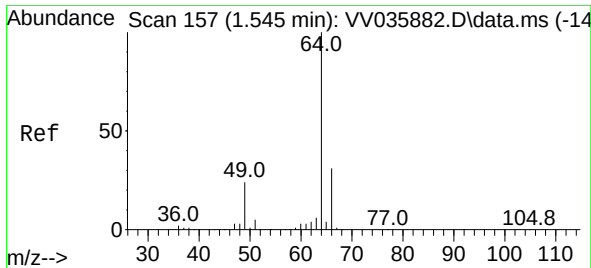
Tgt Ion: 94 Resp: 301866

Ion Ratio Lower Upper

94 100

96 93.2 65.7 122.1

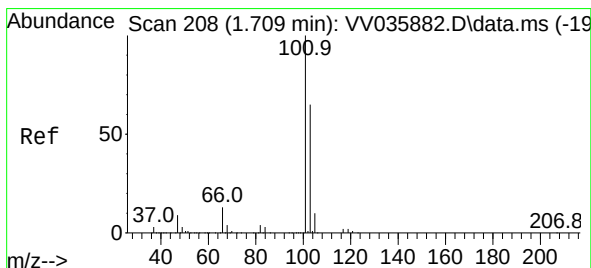
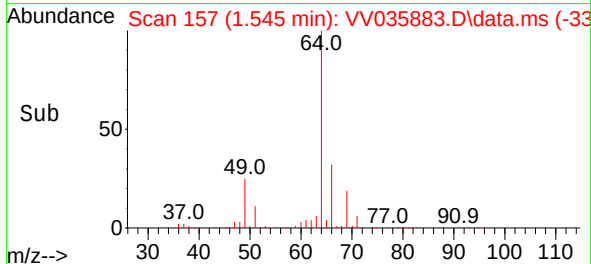
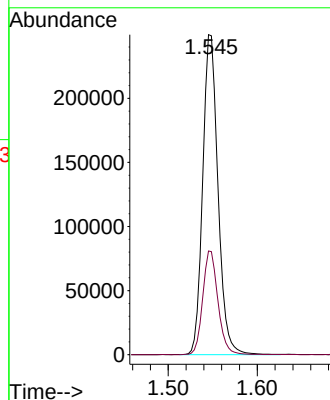
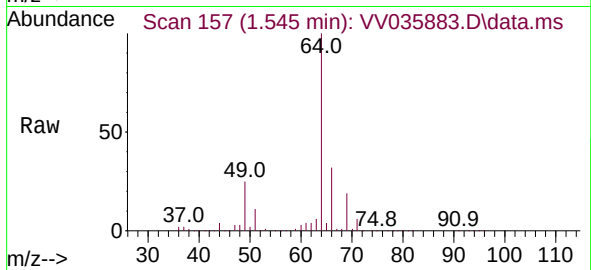




#8
Chloroethane
Concen: 46.993 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

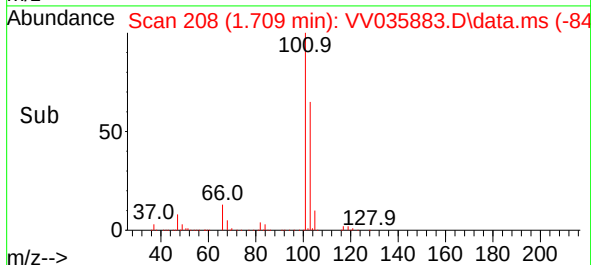
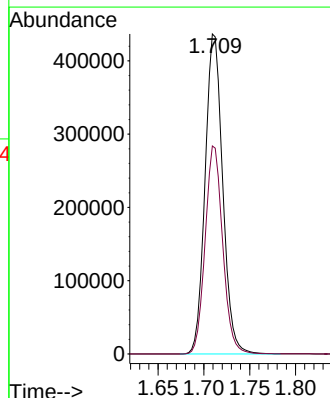
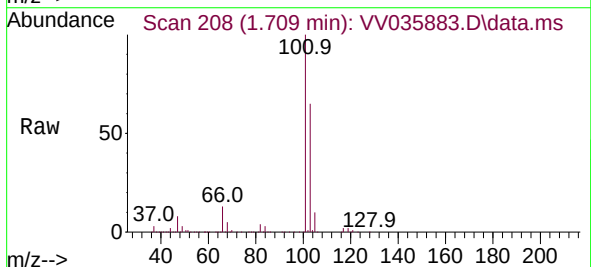
Instrument :
MSVOA_V
ClientSampleId :

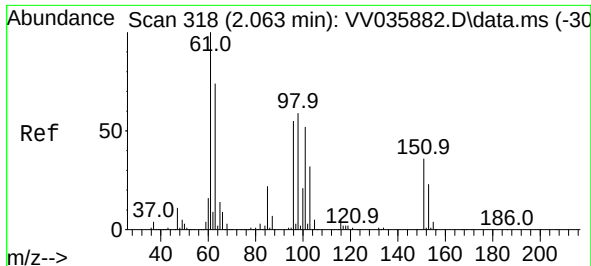
Tgt Ion: 64 Resp: 297736
Ion Ratio Lower Upper
64 100
66 32.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 44.300 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion:101 Resp: 584014
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

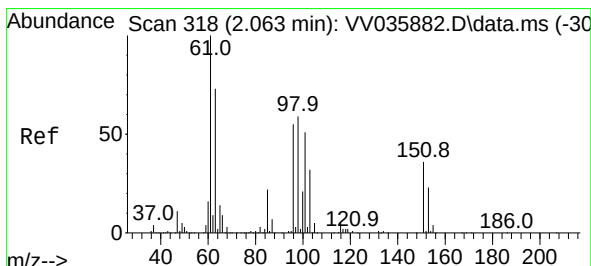
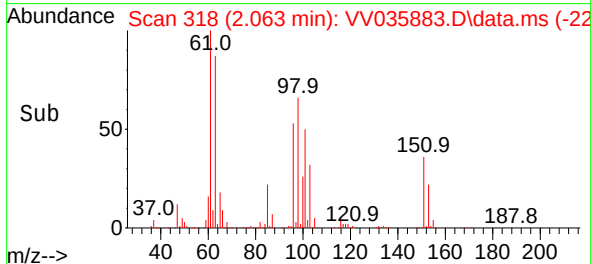
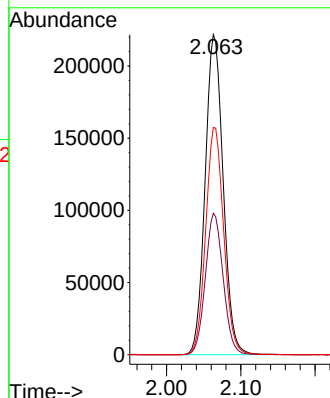
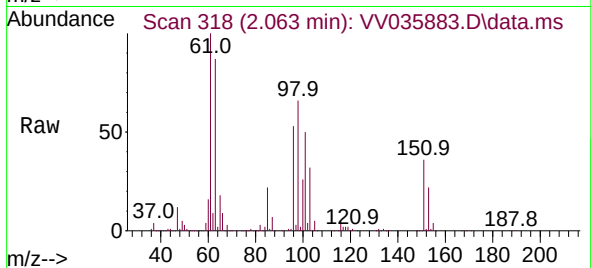




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.949 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

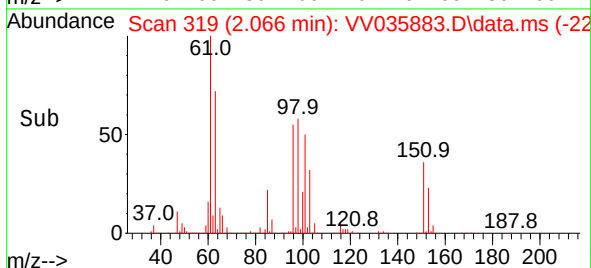
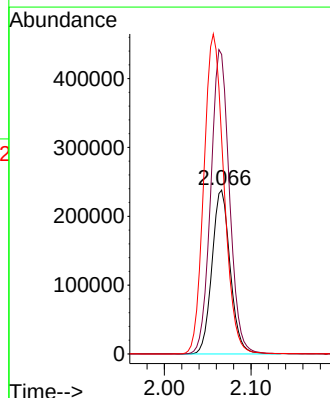
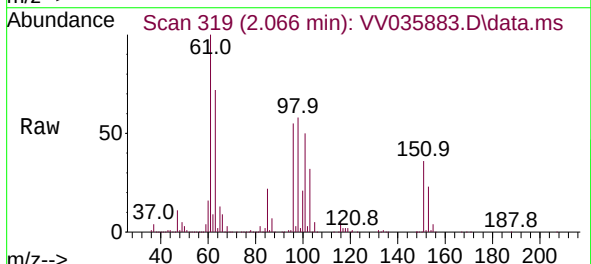
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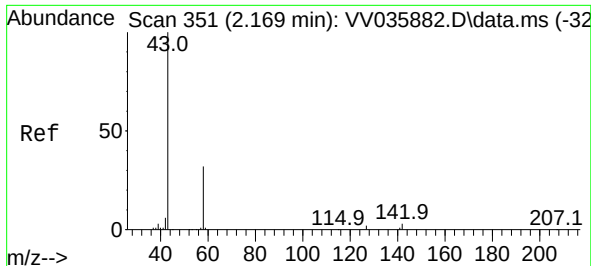
Tgt Ion:101 Resp: 373248
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.5 51.7
 151 71.0 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 45.679 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

Tgt Ion: 96 Resp: 347353
 Ion Ratio Lower Upper
 96 100
 61 182.8 127.3 236.3
 63 131.0 93.7 173.9





#13

Acetone

Concen: 50.229 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.216 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

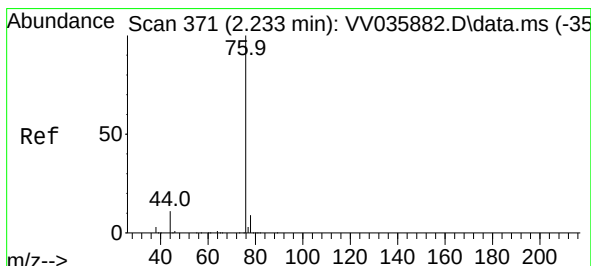
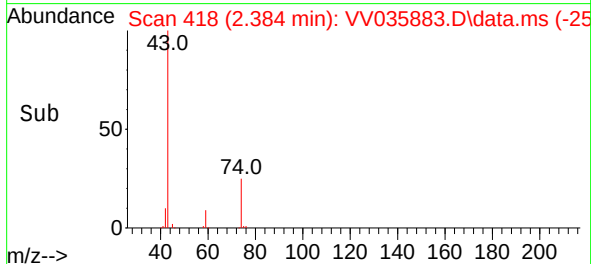
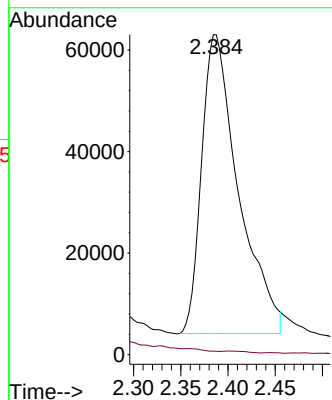
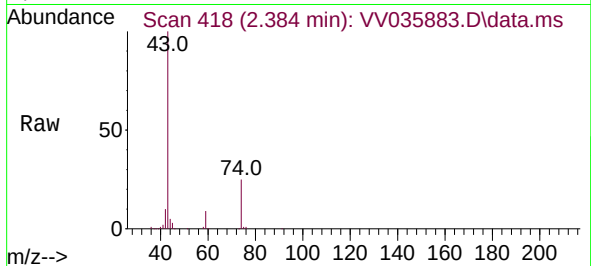
ClientSampleId :

Tgt Ion: 43 Resp: 159576

Ion Ratio Lower Upper

43 100

58 0.0 0.0 24.2



#14

Carbon disulfide

Concen: 48.840 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035883.D

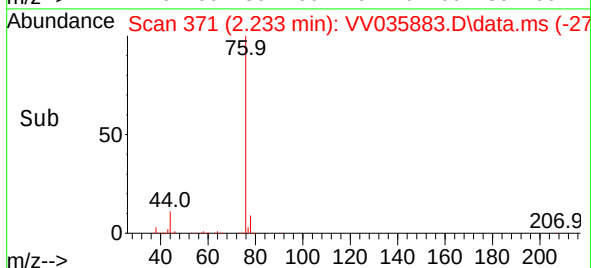
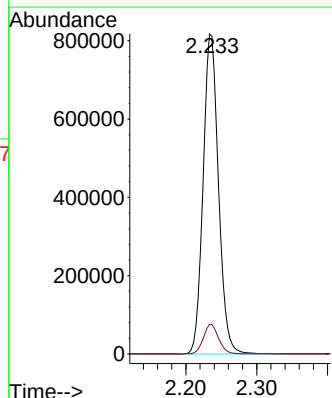
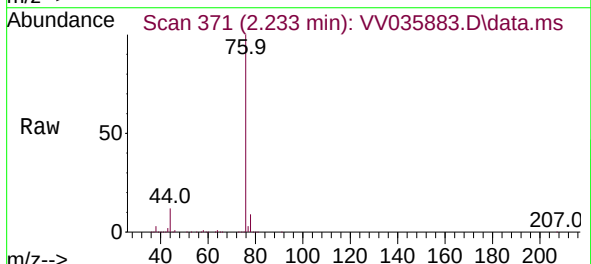
Acq: 30 May 2024 10:15

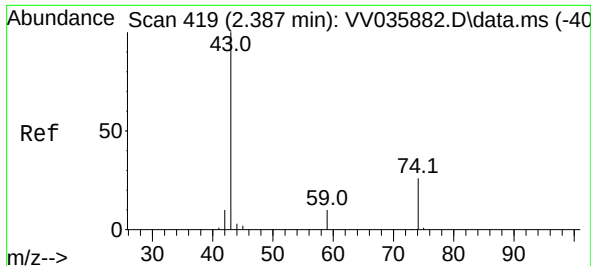
Tgt Ion: 76 Resp: 1230855

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 43.549 ug/L

RT: 2.384 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

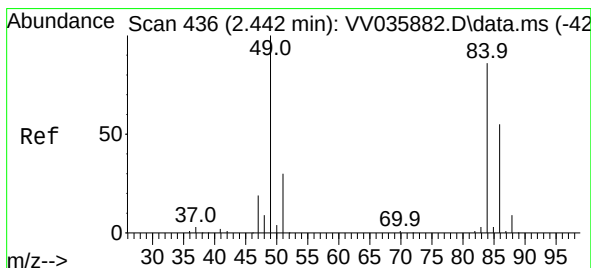
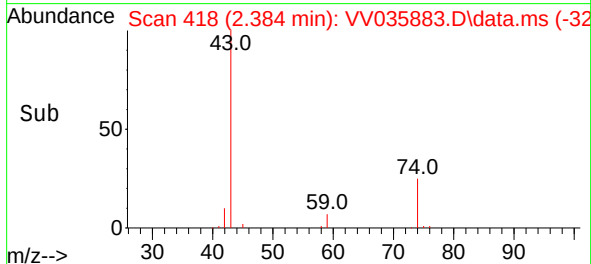
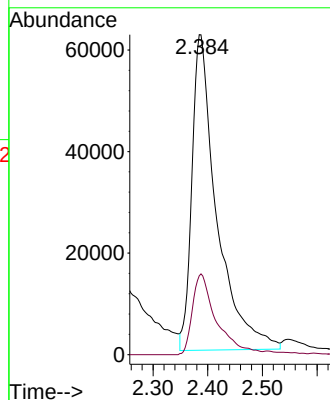
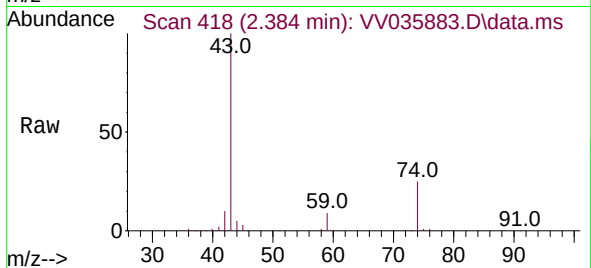
ClientSampleId :

Tgt Ion: 43 Resp: 195858

Ion Ratio Lower Upper

43 100

74 24.7 21.4 32.2



#16

Methylene chloride

Concen: 38.758 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

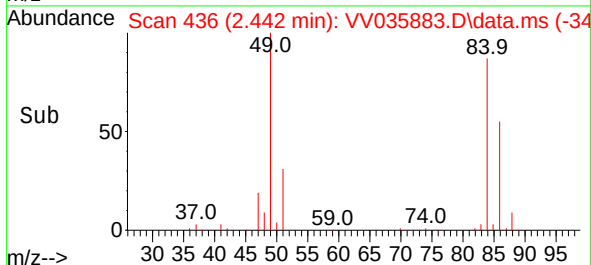
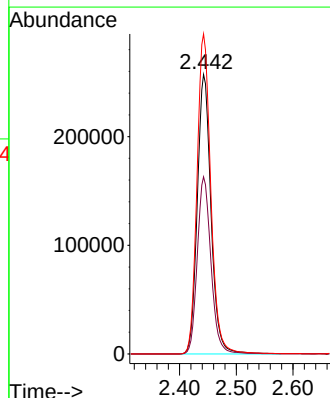
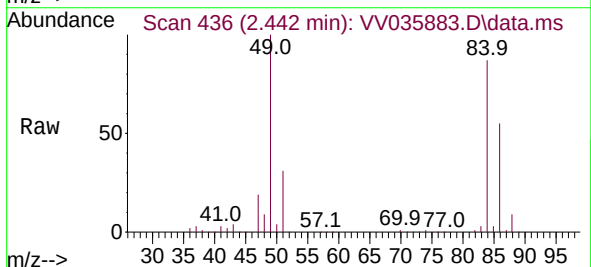
Tgt Ion: 84 Resp: 431515

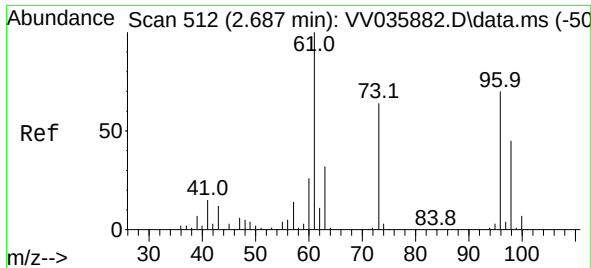
Ion Ratio Lower Upper

84 100

86 63.3 44.6 82.8

49 114.5 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 46.304 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

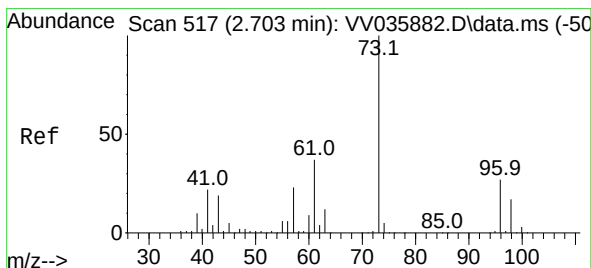
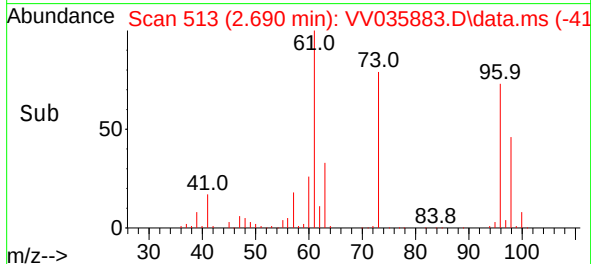
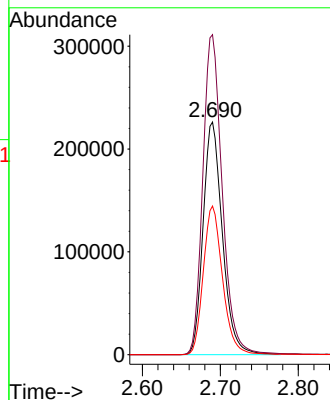
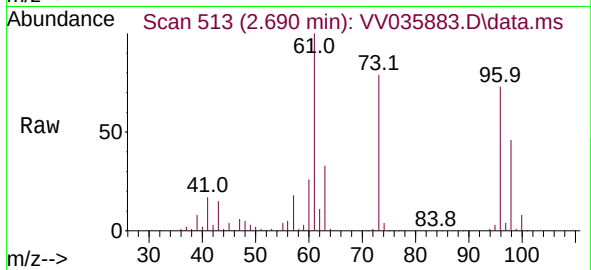
Tgt Ion: 96 Resp: 389432

Ion Ratio Lower Upper

96 100

61 137.5 99.4 184.6

98 63.9 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 46.666 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

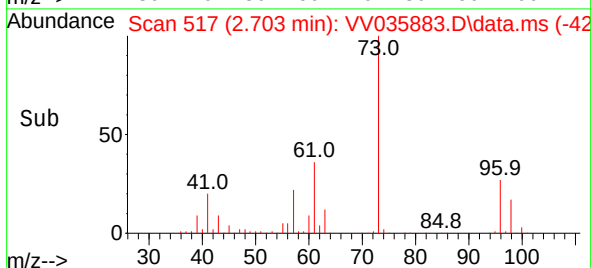
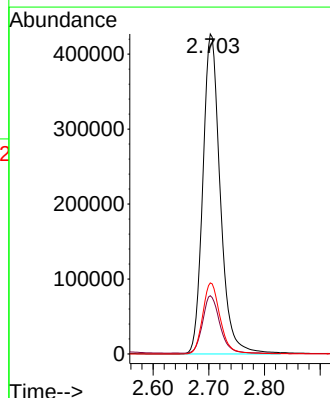
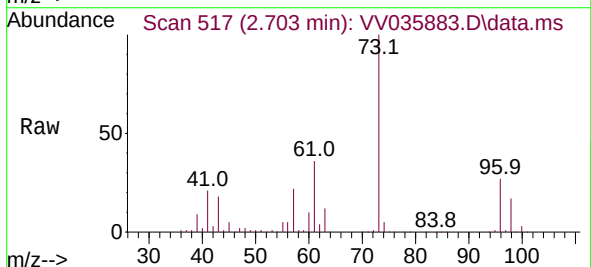
Tgt Ion: 73 Resp: 928260

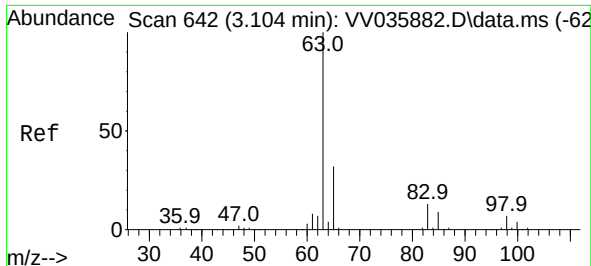
Ion Ratio Lower Upper

73 100

43 17.6 14.3 21.5

57 22.4 17.8 26.6

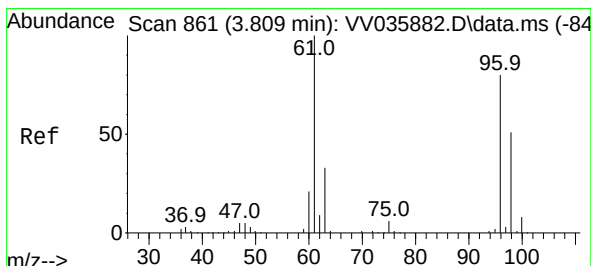
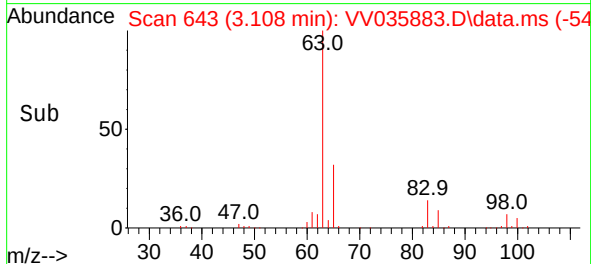
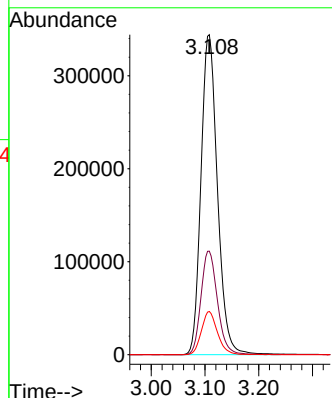
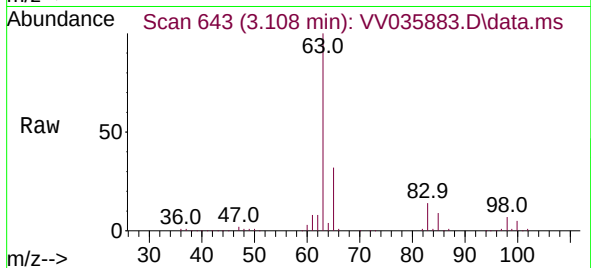




#19
1,1-Dichloroethane
Concen: 46.794 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

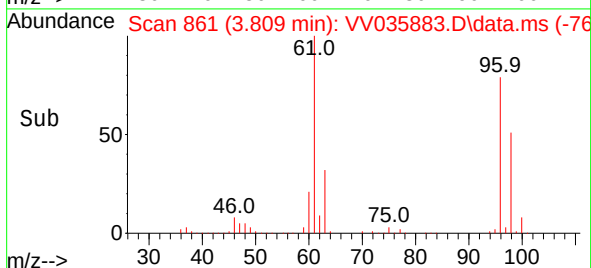
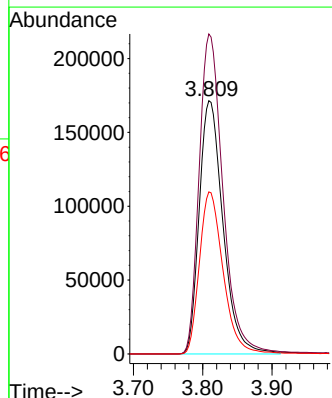
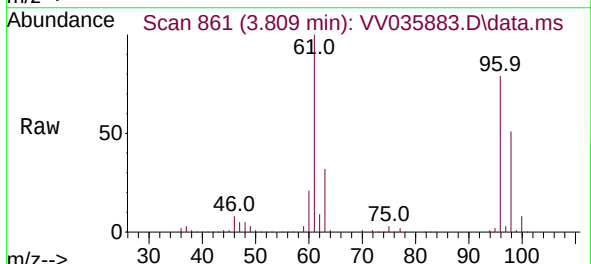
Instrument :
MSVOA_V
ClientSampleId :

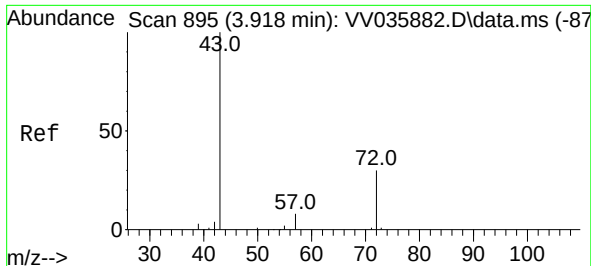
Tgt Ion: 63 Resp: 732509
Ion Ratio Lower Upper
63 100
65 32.4 22.4 41.6
83 13.5 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 45.809 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion: 96 Resp: 409311
Ion Ratio Lower Upper
96 100
61 126.3 87.9 163.3
98 64.0 44.4 82.5





#22

2-Butanone

Concen: 91.302 ug/L

RT: 3.905 min Scan# 895

Delta R.T. -0.013 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

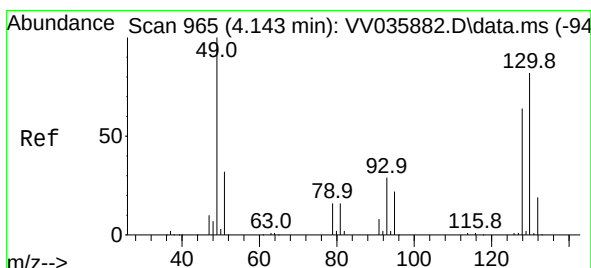
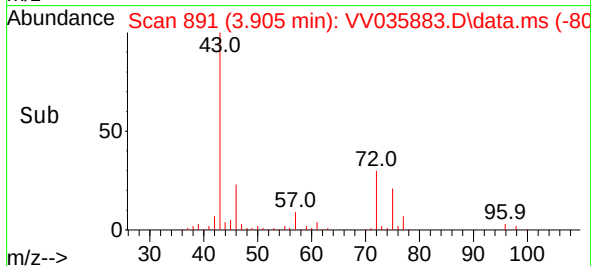
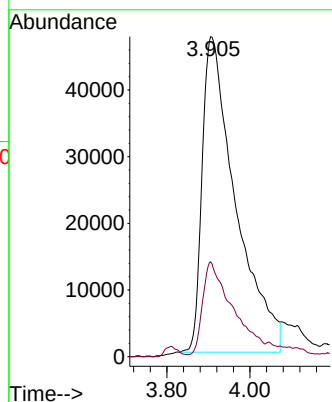
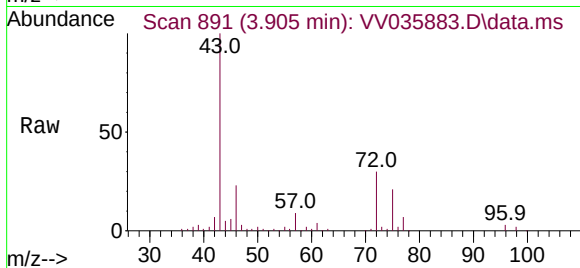
ClientSampleId :

Tgt Ion: 43 Resp: 264700

Ion Ratio Lower Upper

43 100

72 26.3 8.2 24.4#



#23

Bromochloromethane

Concen: 45.693 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Tgt Ion:128 Resp: 198708

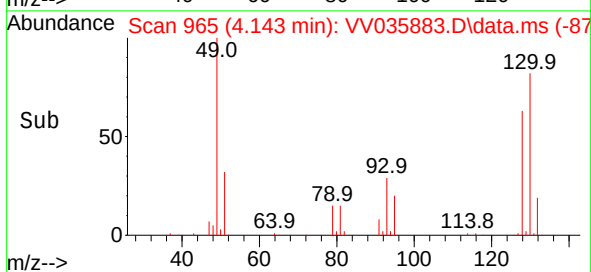
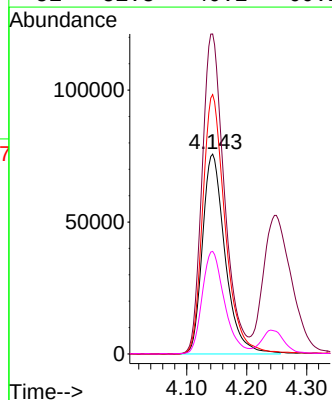
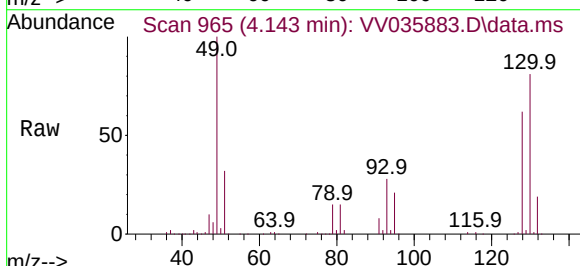
Ion Ratio Lower Upper

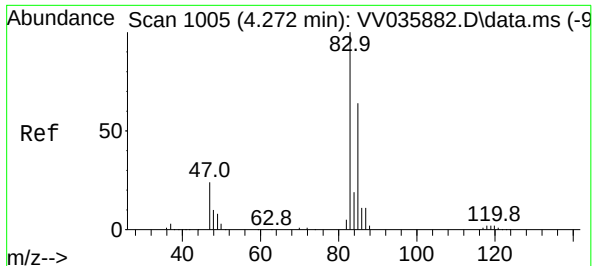
128 100

49 160.1 110.2 204.6

130 129.7 90.2 167.4

51 51.3 40.2 60.2





#25

Chloroform

Concen: 46.727 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

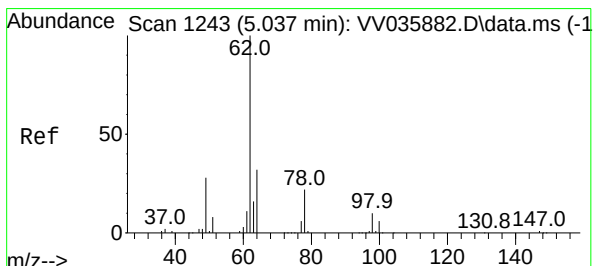
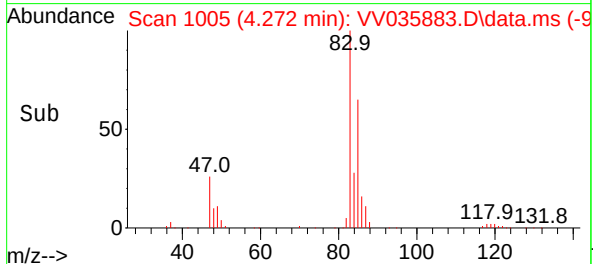
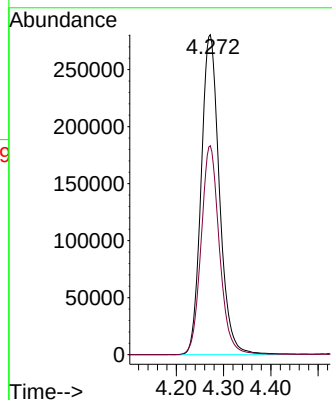
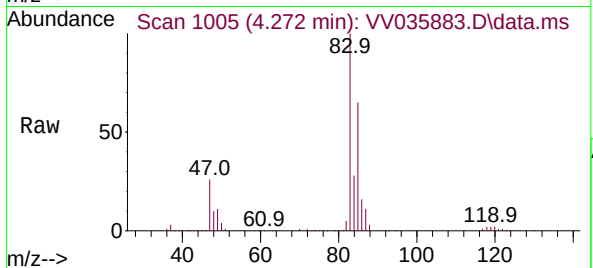
ClientSampleId :

Tgt Ion: 83 Resp: 753059

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 48.341 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV035883.D

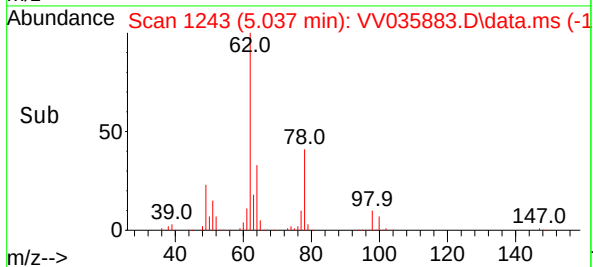
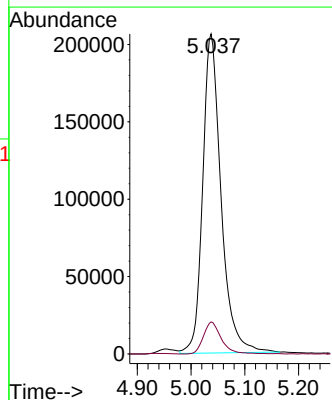
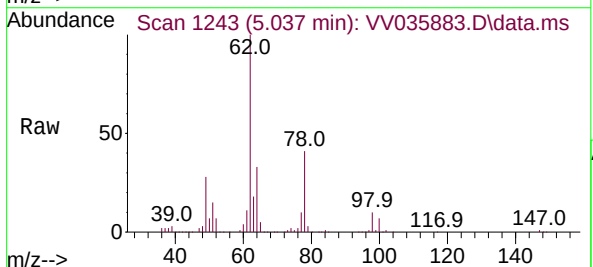
Acq: 30 May 2024 10:15

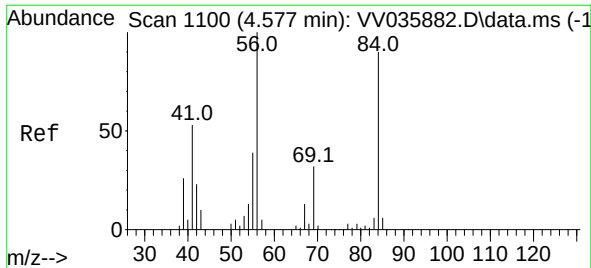
Tgt Ion: 62 Resp: 488896

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6





#29

Cyclohexane

Concen: 50.933 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

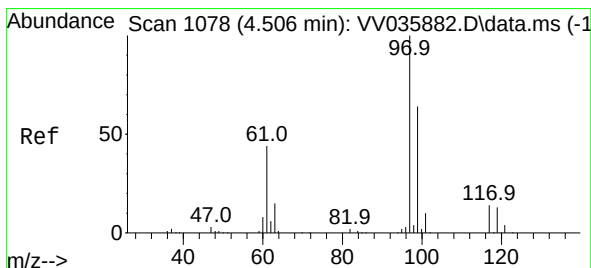
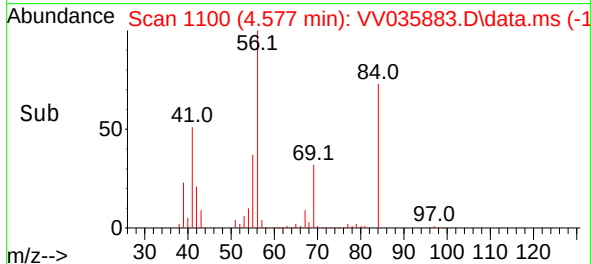
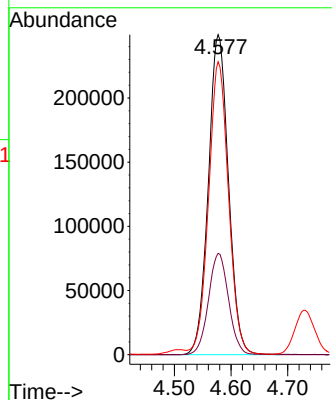
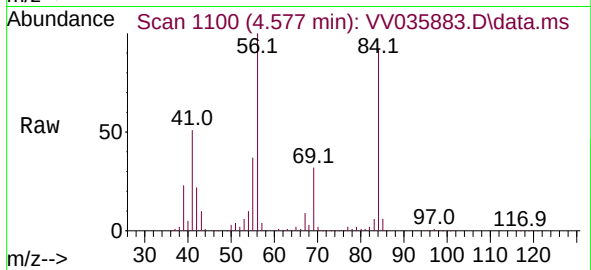
Tgt Ion: 56 Resp: 615466

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

84 90.3 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 45.394 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

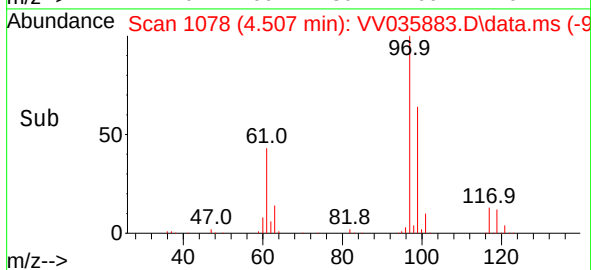
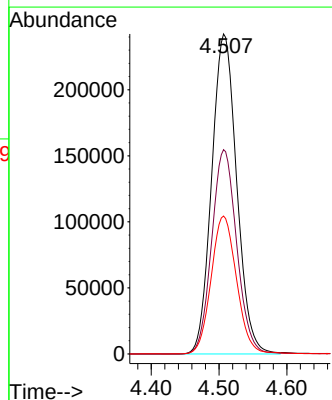
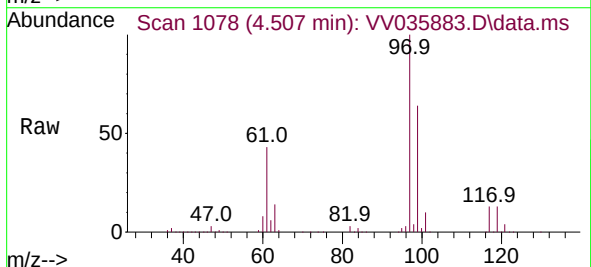
Tgt Ion: 97 Resp: 621601

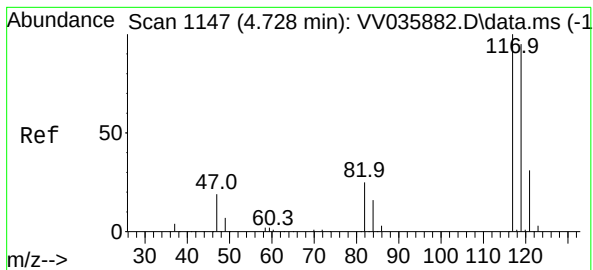
Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 43.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 45.284 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

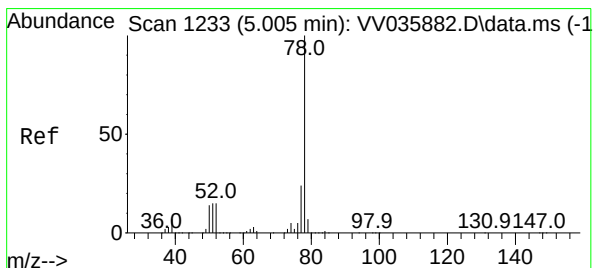
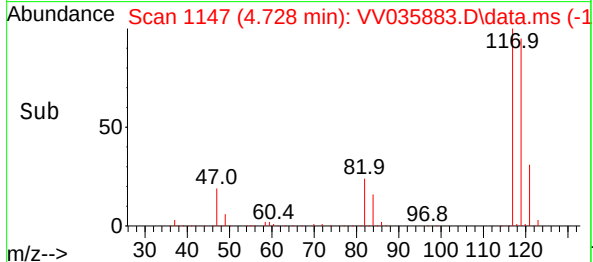
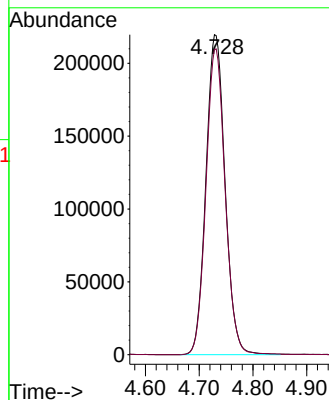
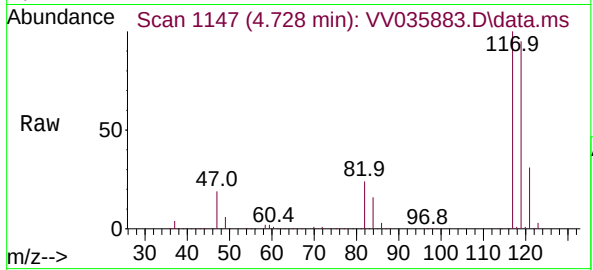
ClientSampleId :

Tgt Ion:117 Resp: 543252

Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2



#33

Benzene

Concen: 48.147 ug/L

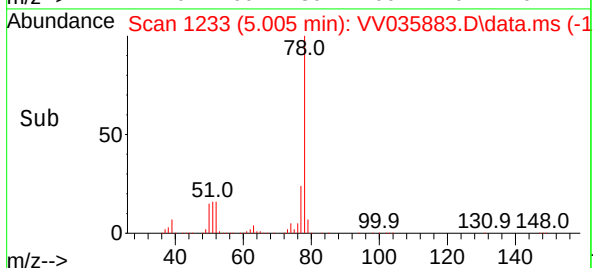
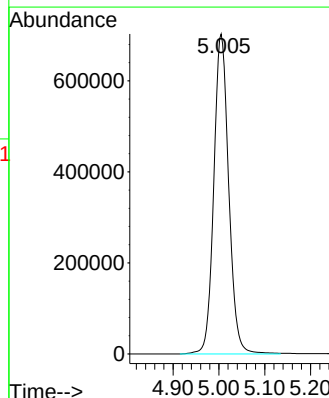
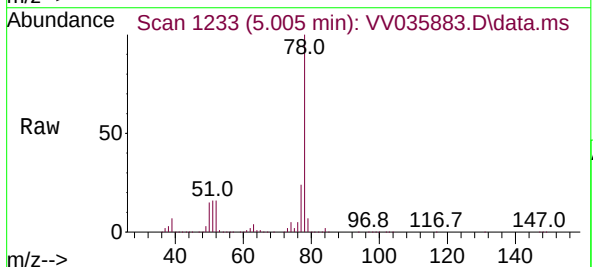
RT: 5.005 min Scan# 1233

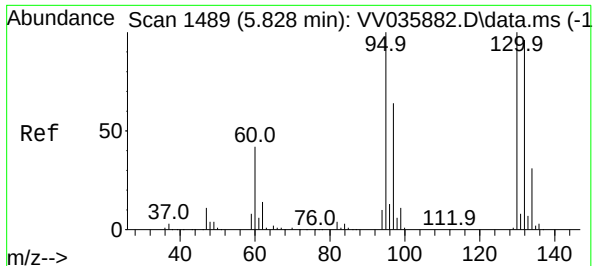
Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Tgt Ion: 78 Resp: 1588382





#34

Trichloroethene

Concen: 51.346 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 486884

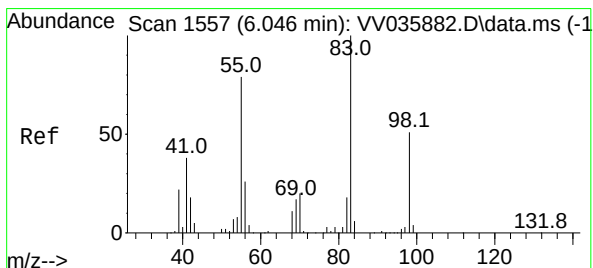
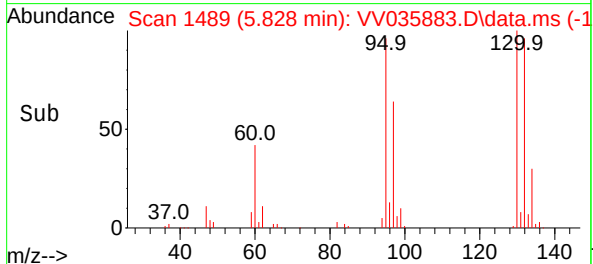
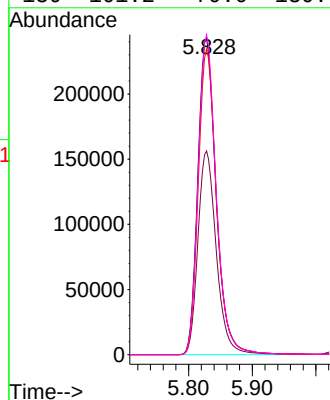
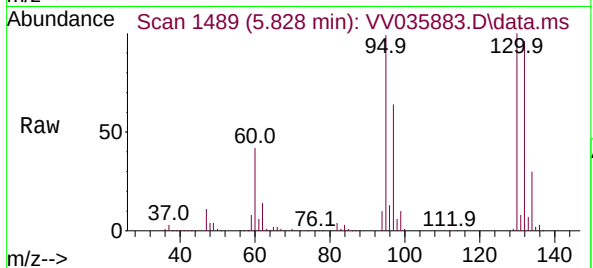
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 96.7 66.8 124.2

130 101.2 70.0 130.0



#35

Methylcyclohexane

Concen: 50.218 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

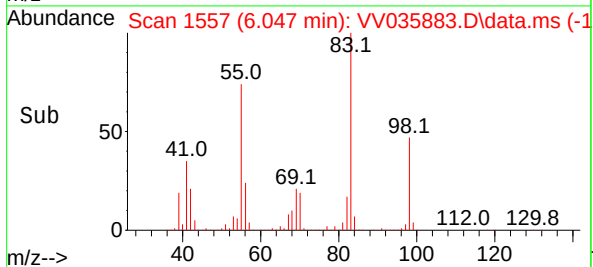
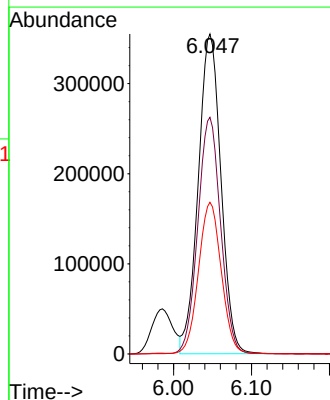
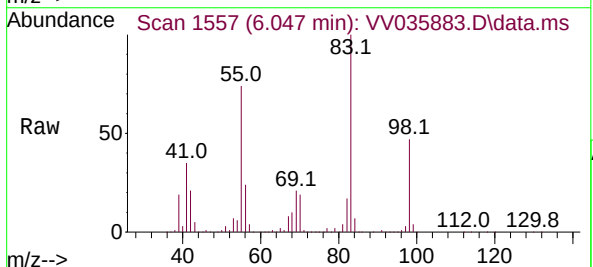
Tgt Ion: 83 Resp: 717737

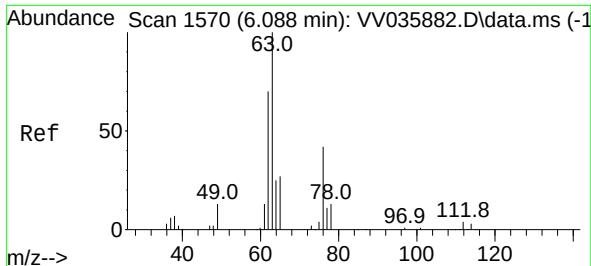
Ion Ratio Lower Upper

83 100

55 74.2 60.7 91.1

98 47.7 38.7 58.1

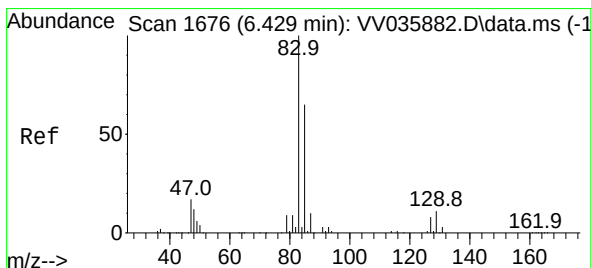
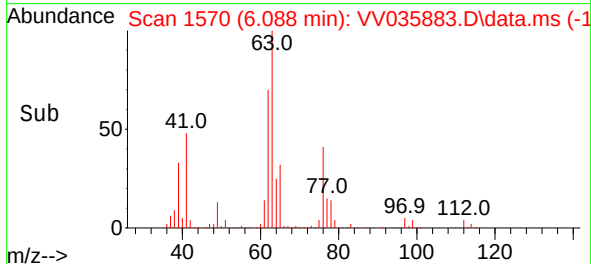
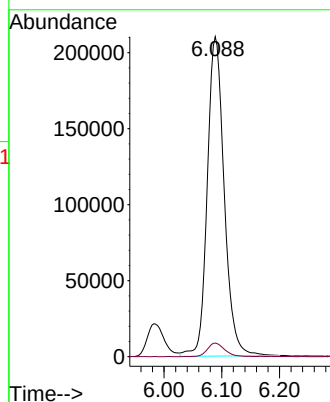
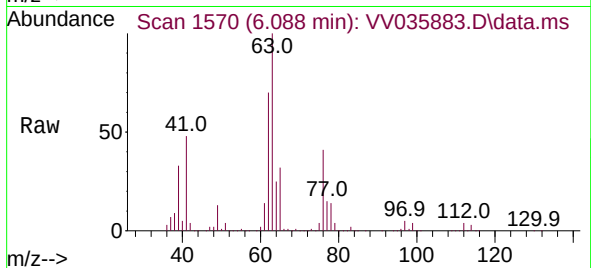




#37
1,2-Dichloropropane
Concen: 49.959 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

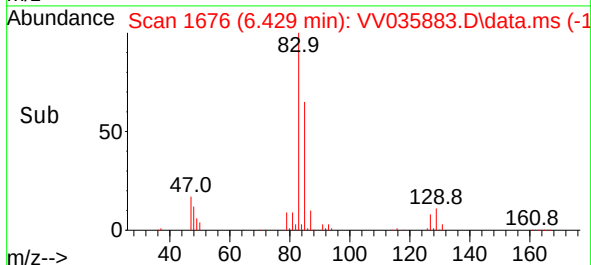
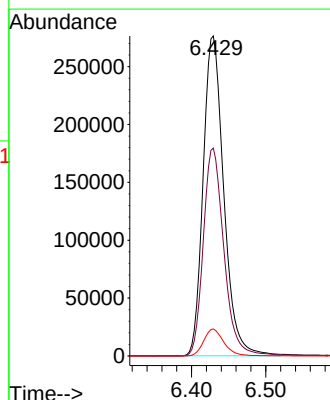
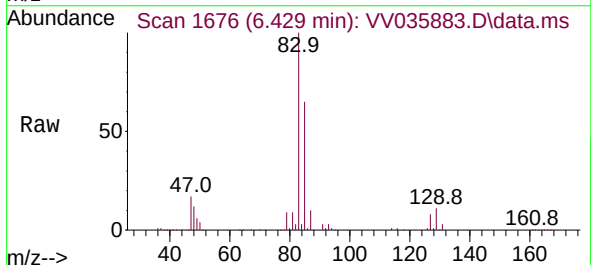
Instrument :
MSVOA_V
ClientSampleId :

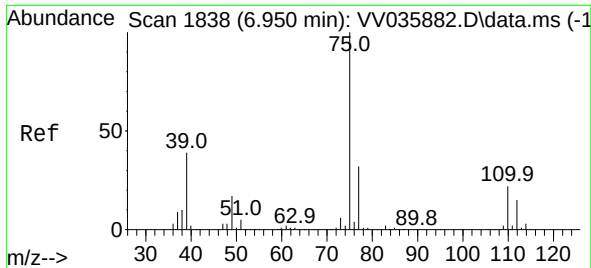
Tgt Ion: 63 Resp: 427501
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 46.410 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion: 83 Resp: 533987
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1
127 8.5 6.7 10.1

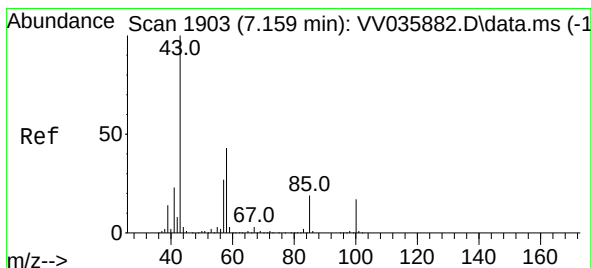
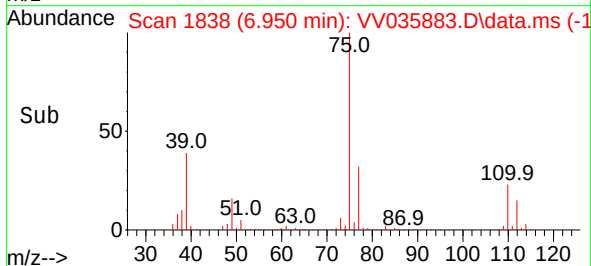
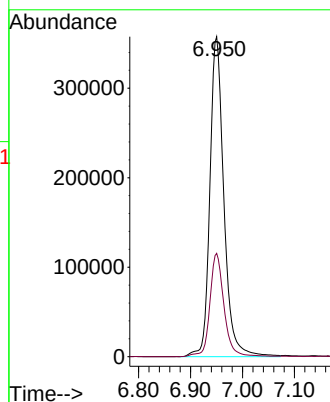
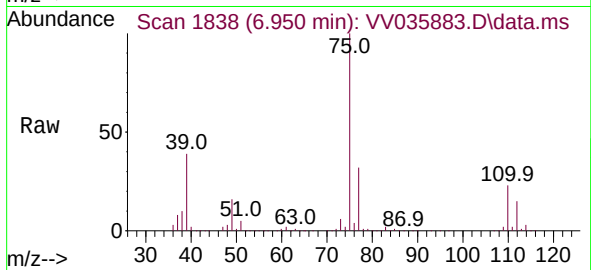




#39
 cis-1,3-Dichloropropene
 Concen: 50.305 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

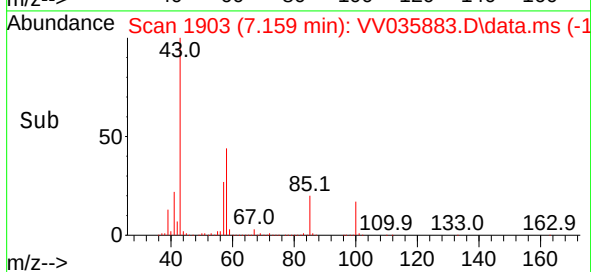
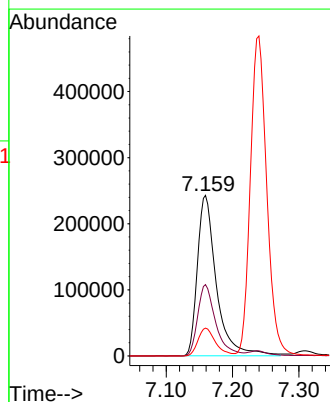
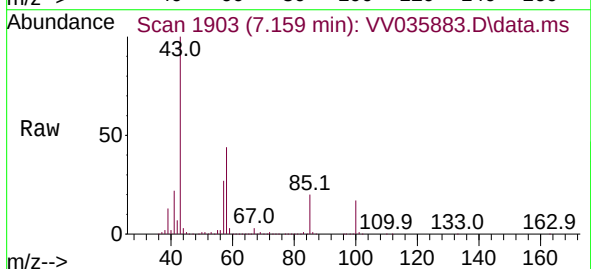
Instrument :
 MSVOA_V
 ClientSampleId :

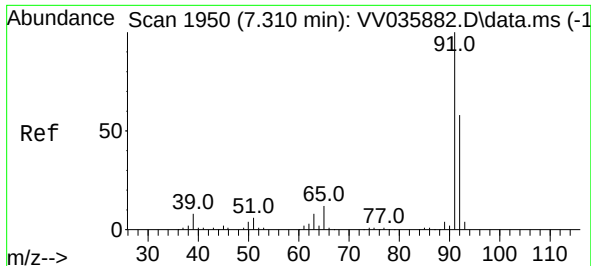
Tgt Ion: 75 Resp: 670365
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 94.982 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV035883.D
 Acq: 30 May 2024 10:15

Tgt Ion: 43 Resp: 483607
 Ion Ratio Lower Upper
 43 100
 58 42.0 32.5 48.7
 100 16.0 12.5 18.7





#42

Toluene

Concen: 49.343 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

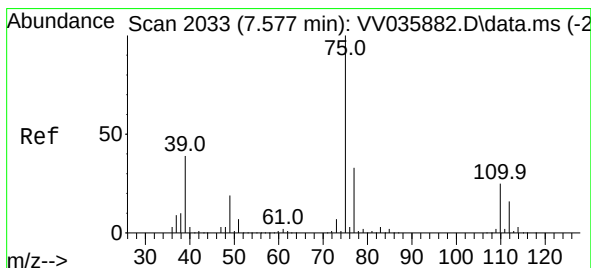
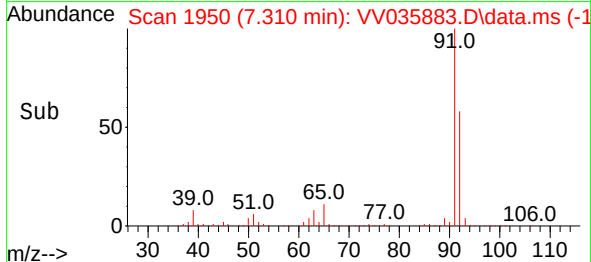
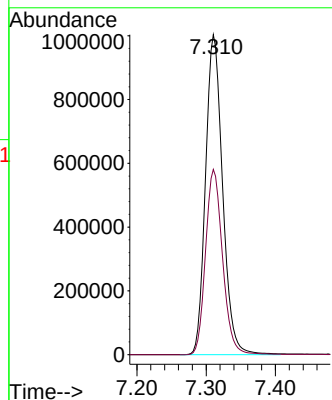
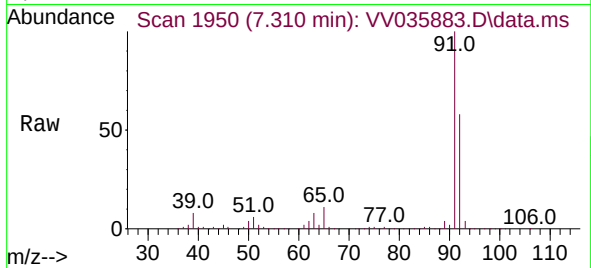
ClientSampleId :

Tgt Ion: 91 Resp: 1715781

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 49.988 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035883.D

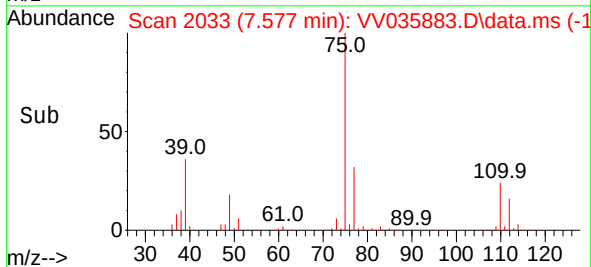
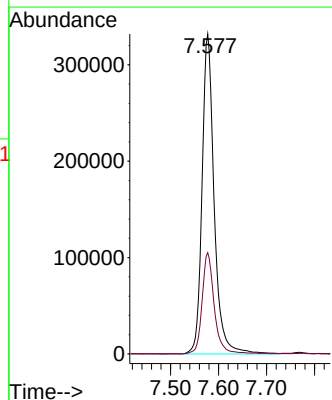
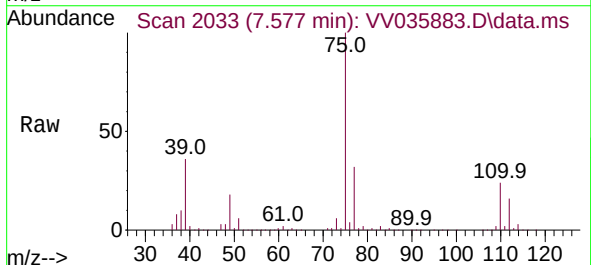
Acq: 30 May 2024 10:15

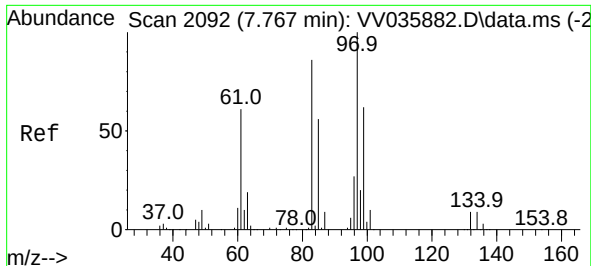
Tgt Ion: 75 Resp: 583556

Ion Ratio Lower Upper

75 100

77 31.6 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 45.680 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 330732

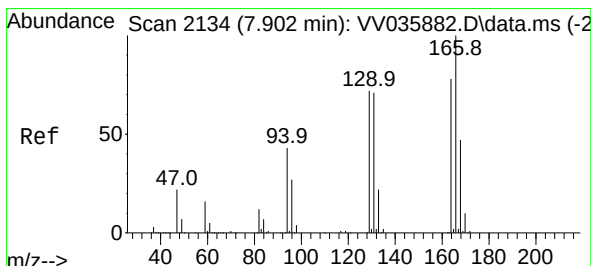
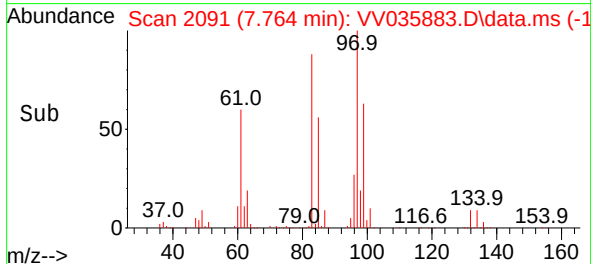
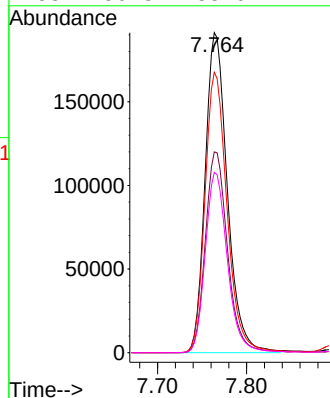
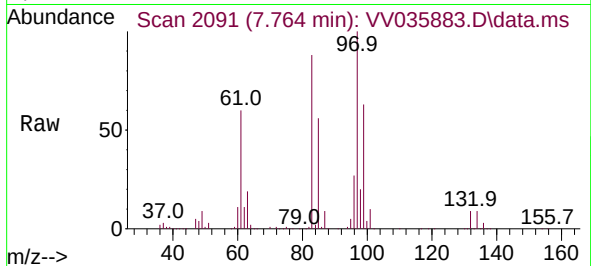
Ion Ratio Lower Upper

97 100

99 62.7 43.3 80.5

83 87.7 60.1 111.7

85 56.3 38.9 72.3



#46

Tetrachloroethene

Concen: 45.330 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Tgt Ion:164 Resp: 341323

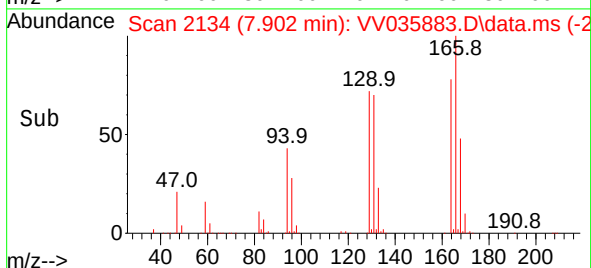
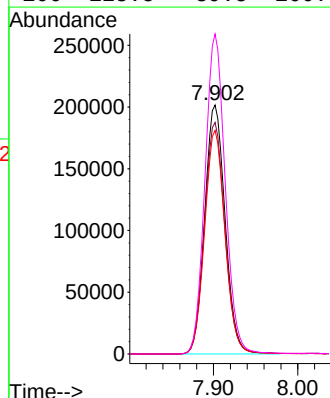
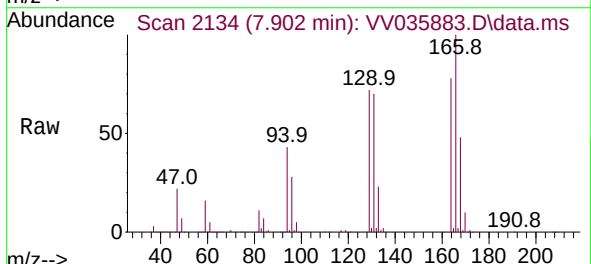
Ion Ratio Lower Upper

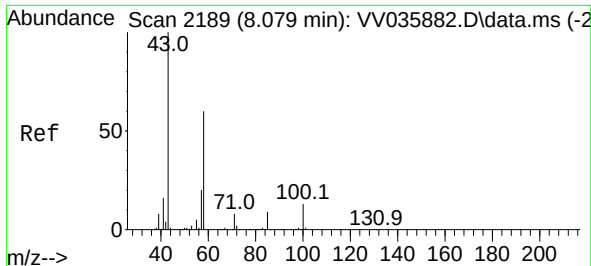
164 100

129 93.0 64.6 120.0

131 89.8 63.2 117.4

166 128.5 89.5 166.3





#48

2-Hexanone

Concen: 102.842 ug/L

RT: 8.076 min Scan# 2189

Delta R.T. -0.003 min

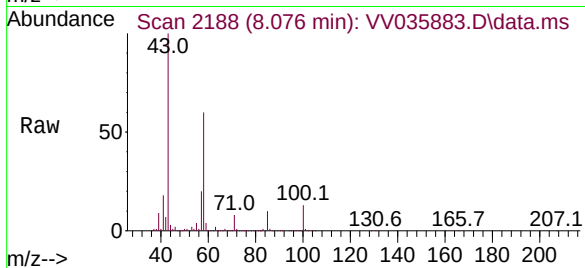
Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 400504

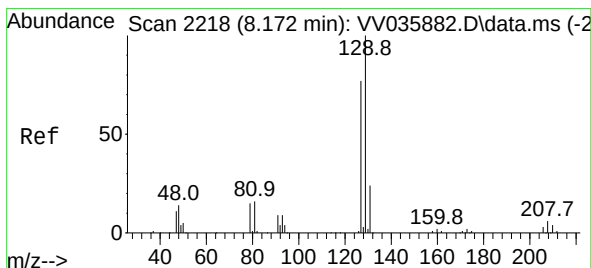
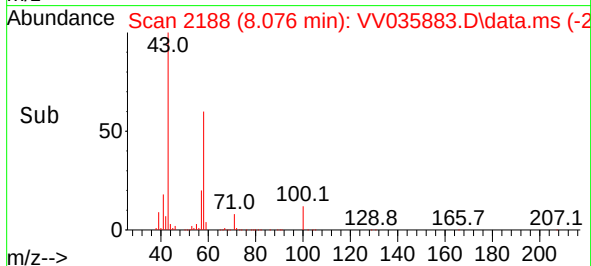
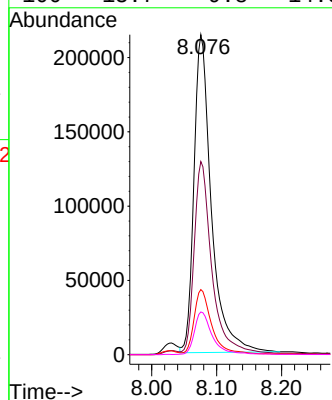
Ion Ratio Lower Upper

43 100

58 61.0 45.4 68.0

57 20.2 15.8 23.8

100 13.7 9.8 14.8



#49

Dibromochloromethane

Concen: 45.911 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV035883.D

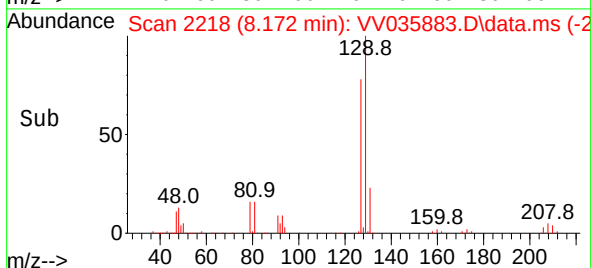
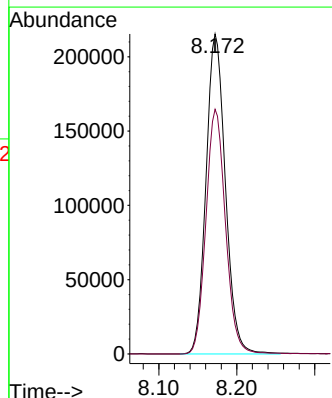
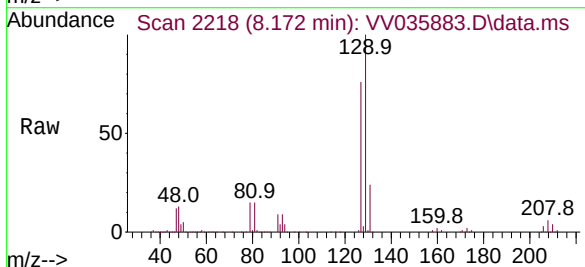
Acq: 30 May 2024 10:15

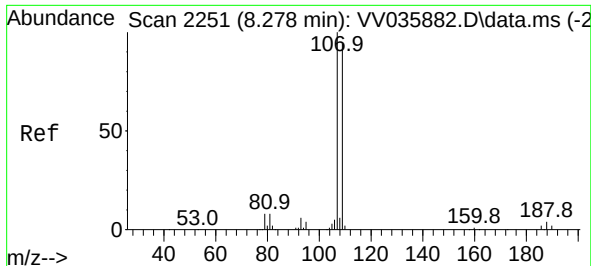
Tgt Ion: 129 Resp: 371858

Ion Ratio Lower Upper

129 100

127 76.4 53.9 100.1

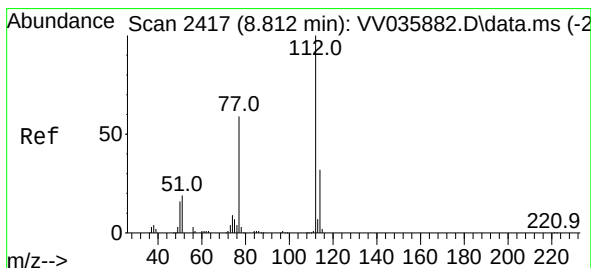
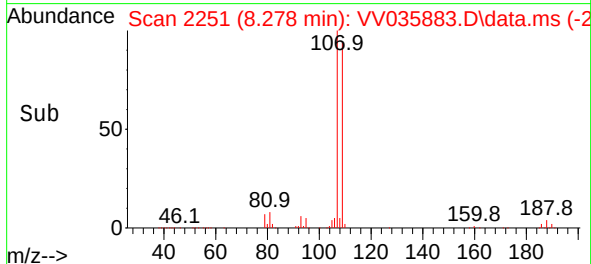
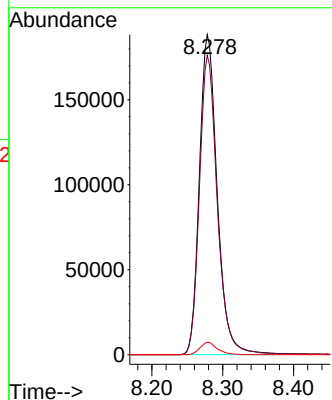
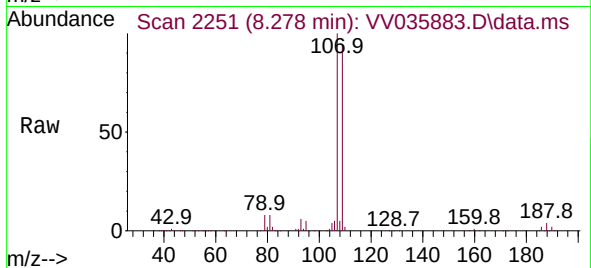




#50
1,2-Dibromoethane
Concen: 46.283 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

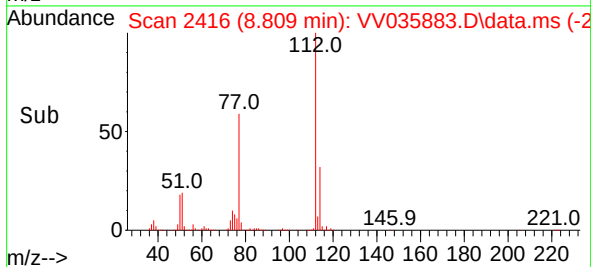
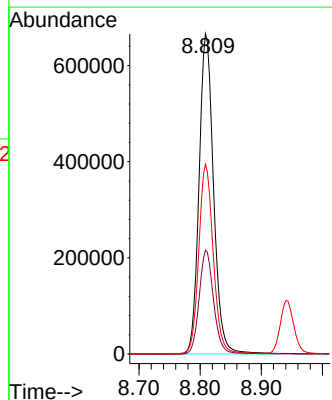
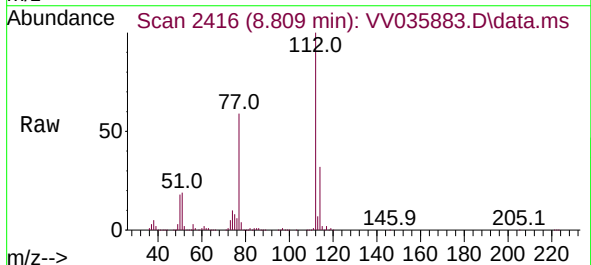
Instrument :
MSVOA_V
ClientSampleId :

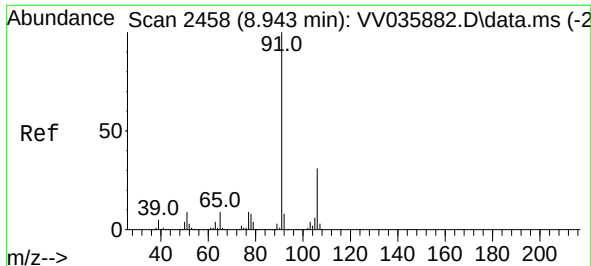
Tgt Ion:107 Resp: 329619
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.7
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 45.891 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion:112 Resp: 1097553
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 59.3 47.3 70.9





#52

Ethylbenzene

Concen: 49.850 ug/L

RT: 8.940 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

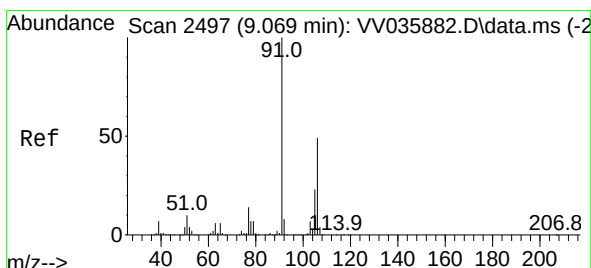
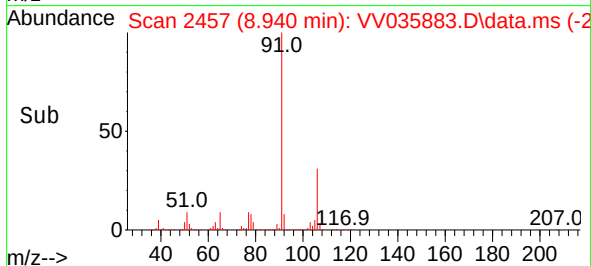
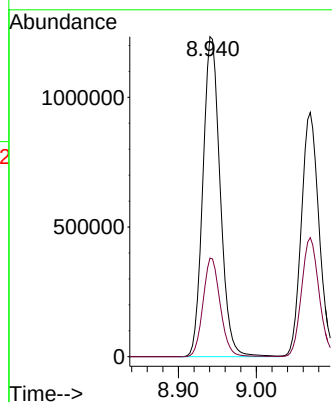
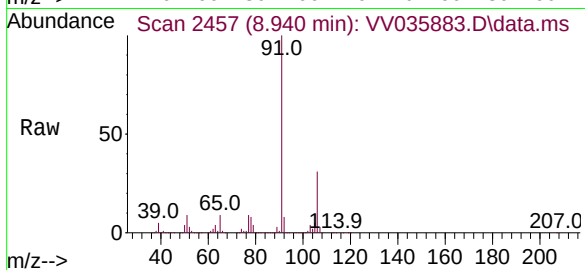
ClientSampleId :

Tgt Ion: 91 Resp: 1901250

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 50.159 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035883.D

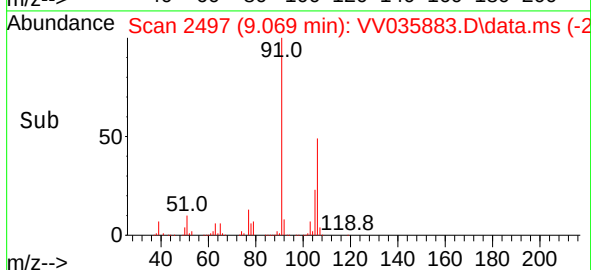
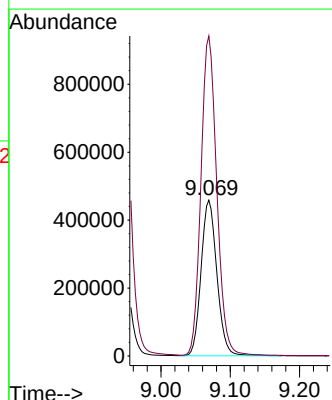
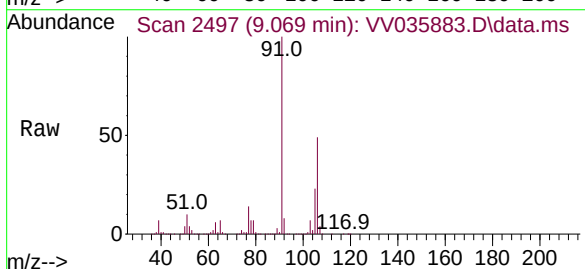
Acq: 30 May 2024 10:15

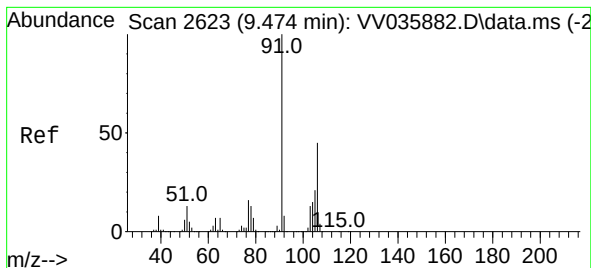
Tgt Ion:106 Resp: 723467

Ion Ratio Lower Upper

106 100

91 205.2 143.1 265.9





#54

o-Xylene

Concen: 50.629 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

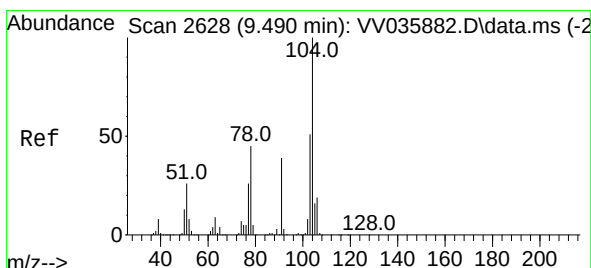
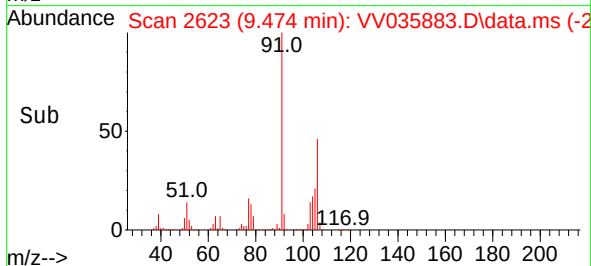
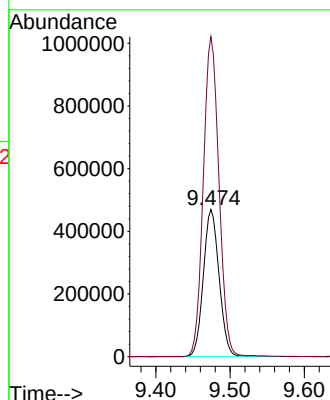
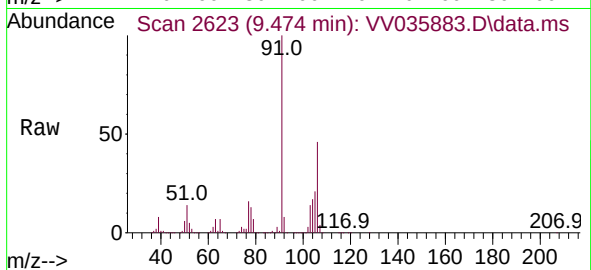
ClientSampleId :

Tgt Ion:106 Resp: 690299

Ion Ratio Lower Upper

106 100

91 217.3 154.5 286.9



#55

Styrene

Concen: 51.944 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV035883.D

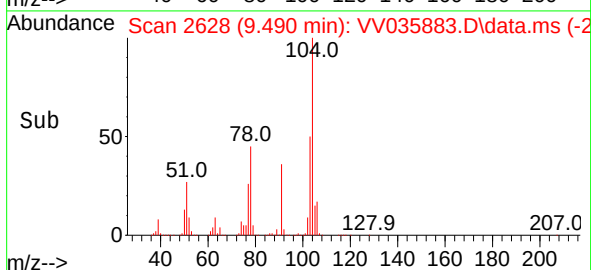
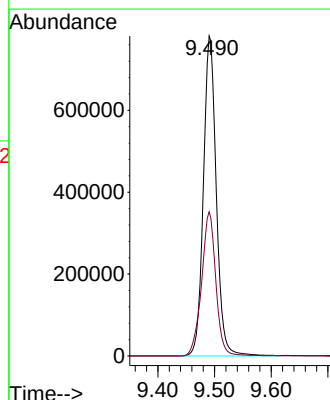
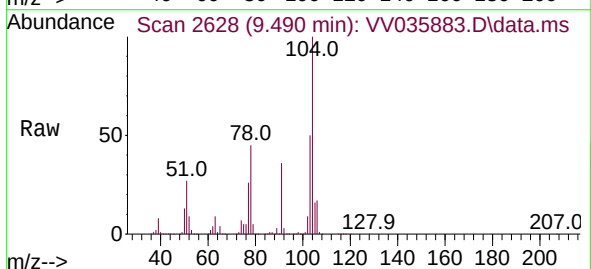
Acq: 30 May 2024 10:15

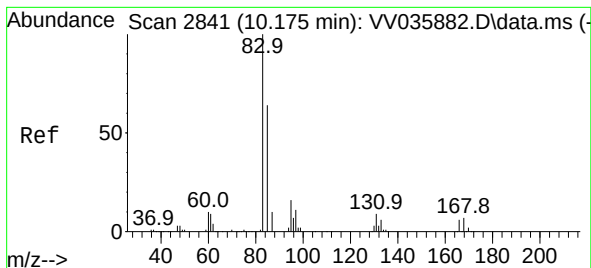
Tgt Ion:104 Resp: 1238353

Ion Ratio Lower Upper

104 100

78 45.0 31.4 58.2

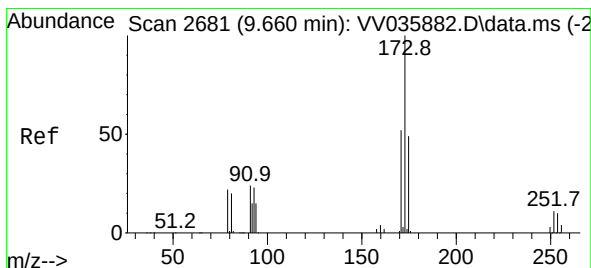
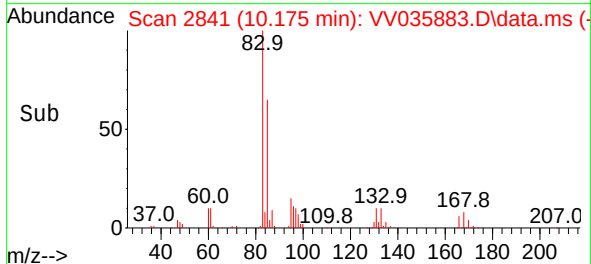
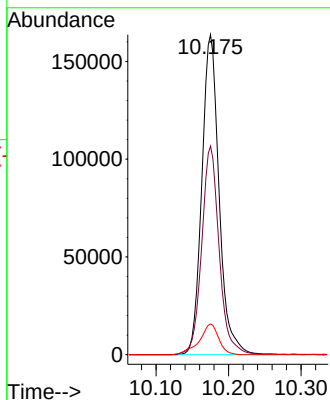
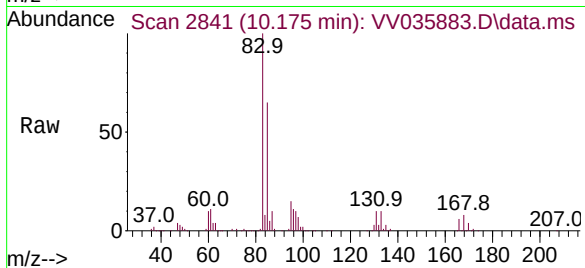




#57
1,1,2,2-Tetrachloroethane
Concen: 32.748 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

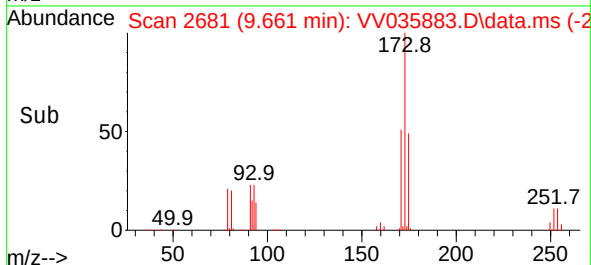
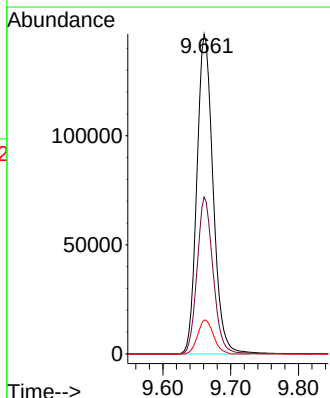
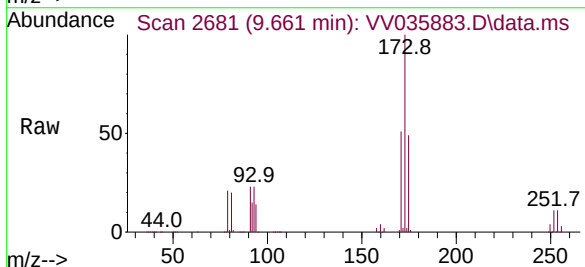
Instrument :
MSVOA_V
ClientSampleId :

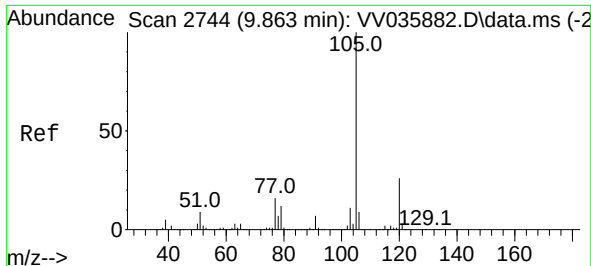
Tgt Ion: 83 Resp: 270592
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.7
131 9.6 7.6 11.4



#59
Bromoform
Concen: 45.453 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion: 173 Resp: 244030
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.6
254 10.4 8.6 13.0





#60

Isopropylbenzene

Concen: 51.546 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

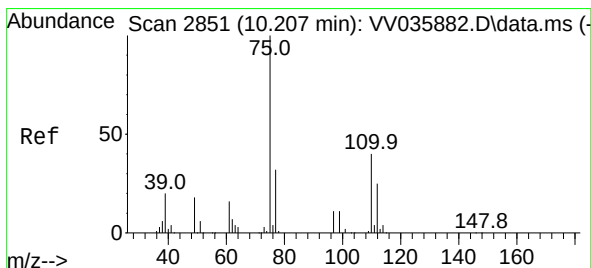
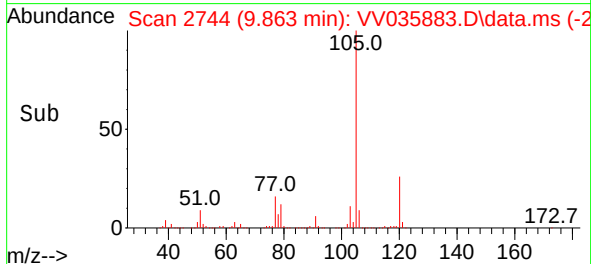
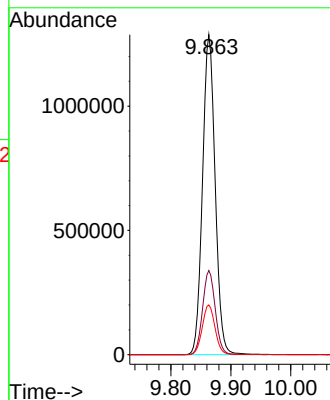
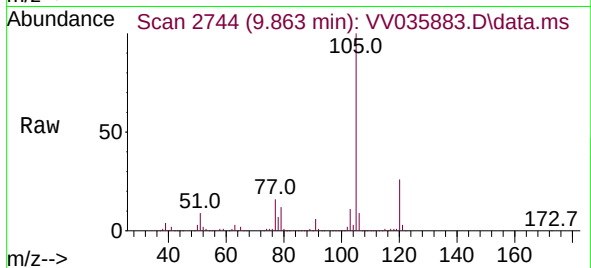
Tgt Ion:105 Resp: 1889932

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 15.7 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 47.052 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

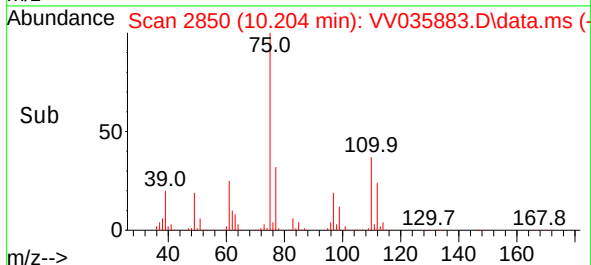
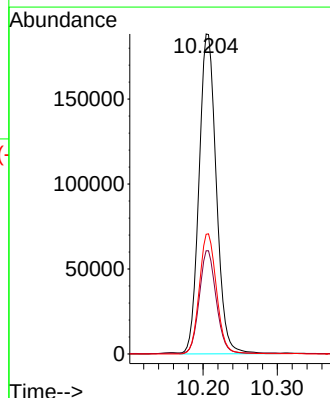
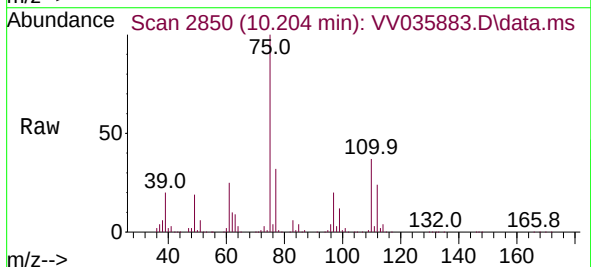
Tgt Ion: 75 Resp: 304476

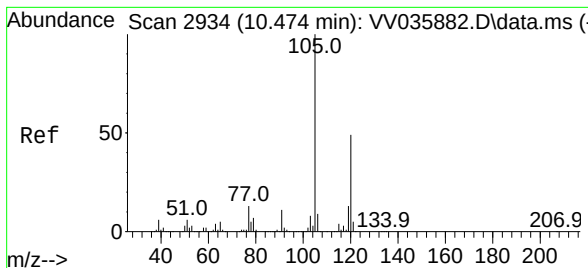
Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

110 37.4 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 50.856 ug/L

RT: 10.471 min Scan# 2934

Delta R.T. -0.003 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

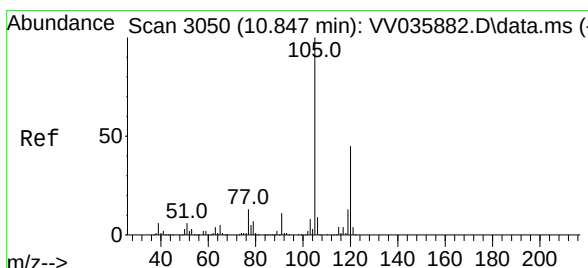
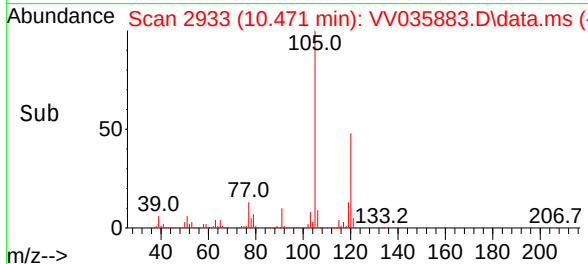
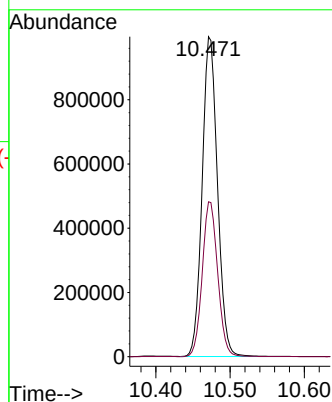
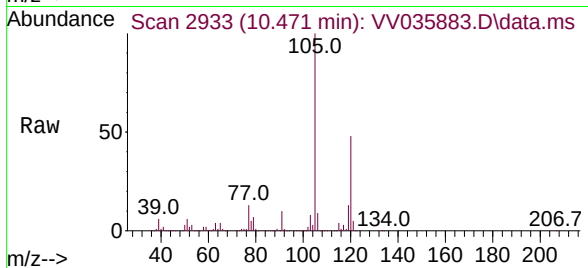
ClientSampleId :

Tgt Ion:105 Resp: 1427168

Ion Ratio Lower Upper

105 100

120 48.8 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 53.175 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV035883.D

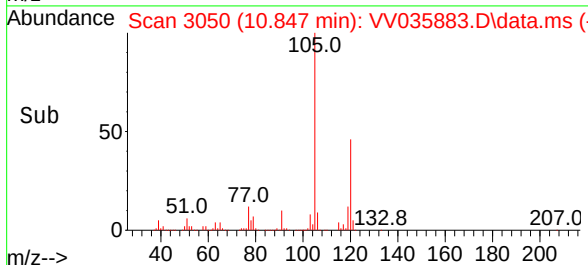
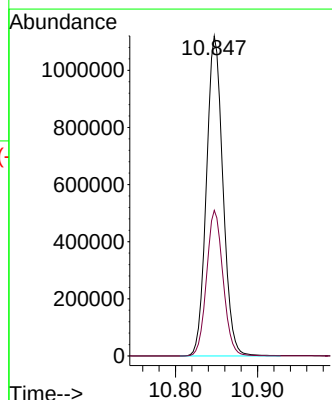
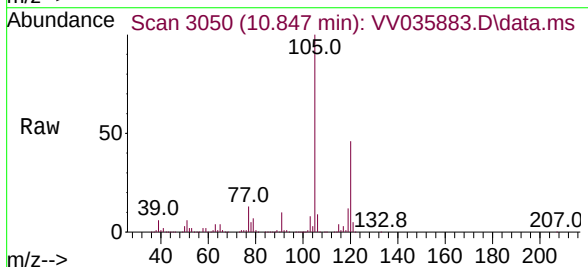
Acq: 30 May 2024 10:15

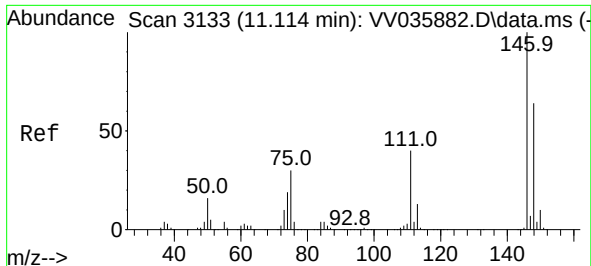
Tgt Ion:105 Resp: 1564739

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 47.413 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

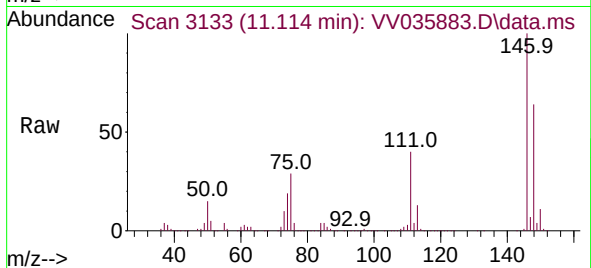
Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :



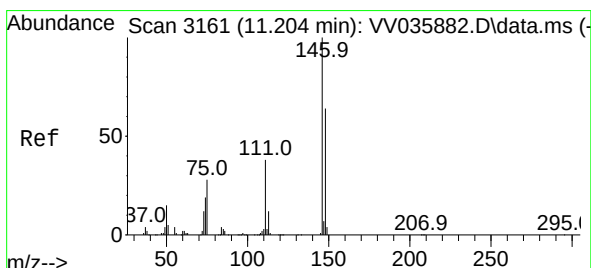
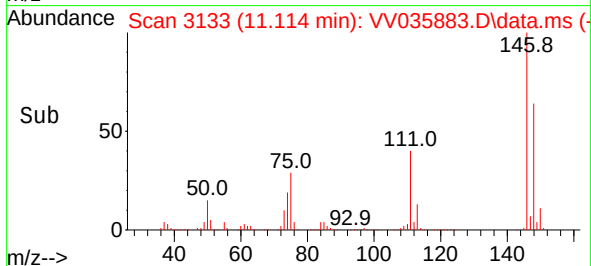
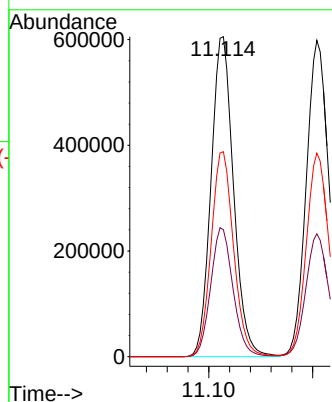
Tgt Ion:146 Resp: 911956

Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

148 64.1 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 46.317 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

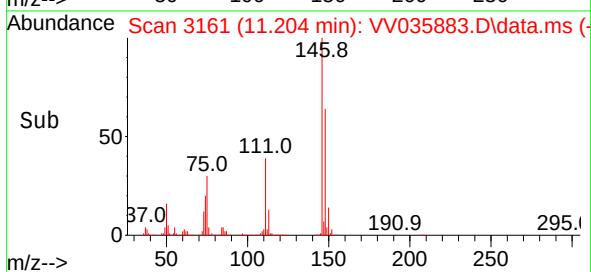
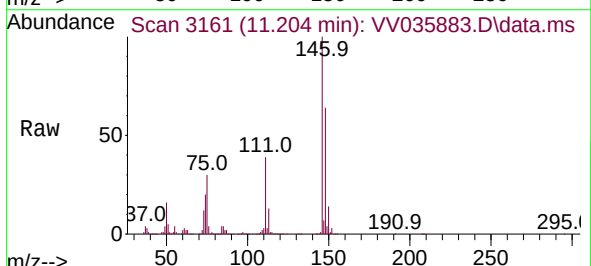
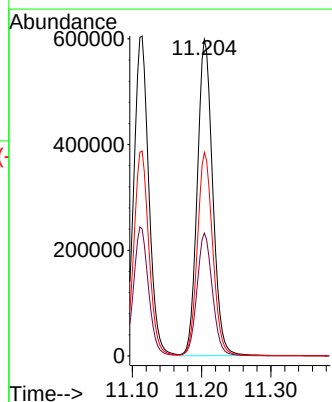
Tgt Ion:146 Resp: 927817

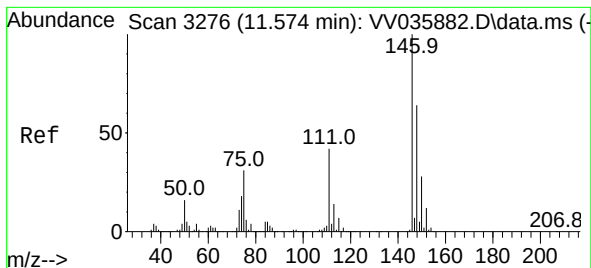
Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

148 64.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 47.164 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :

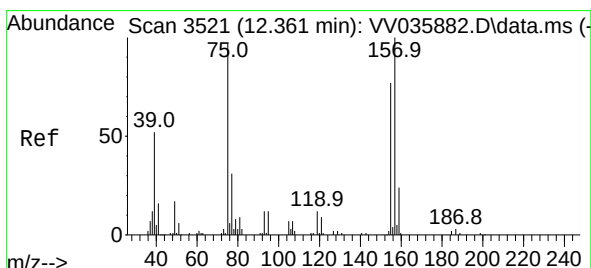
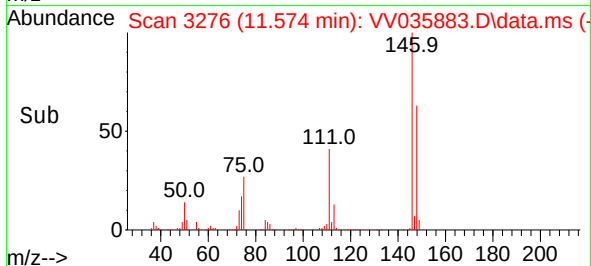
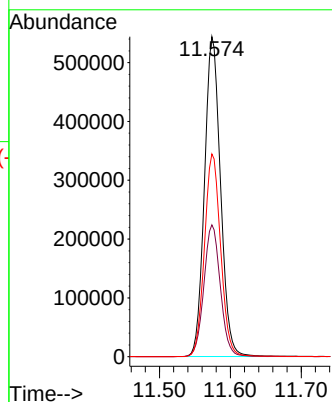
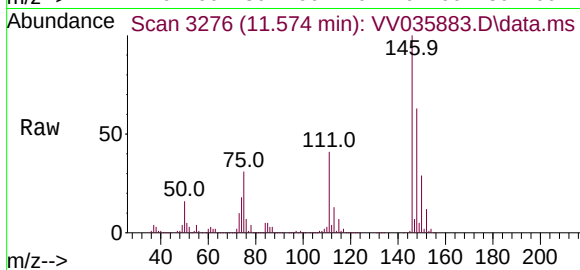
Tgt Ion:146 Resp: 855224

Ion Ratio Lower Upper

146 100

111 41.2 33.5 50.3

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.424 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

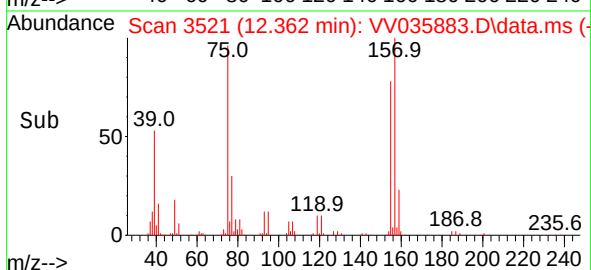
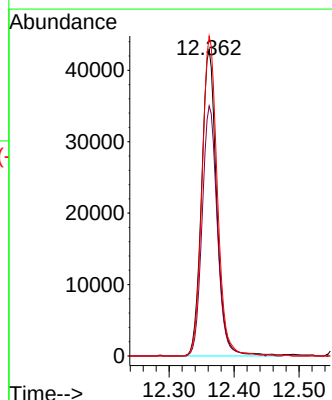
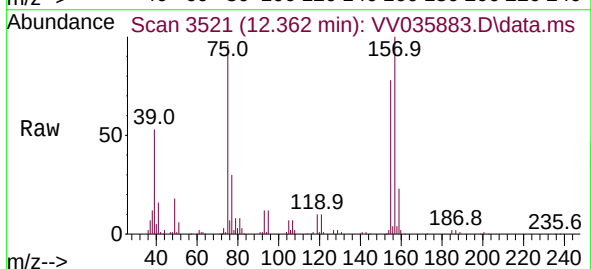
Tgt Ion: 75 Resp: 69717

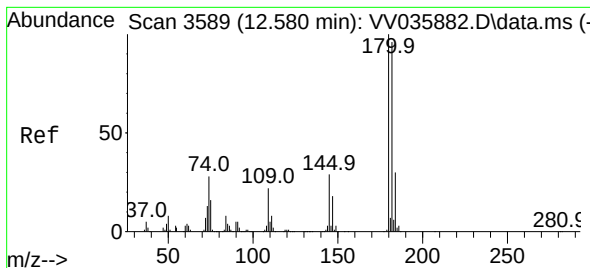
Ion Ratio Lower Upper

75 100

155 81.5 63.3 94.9

157 104.3 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 46.530 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.003 min

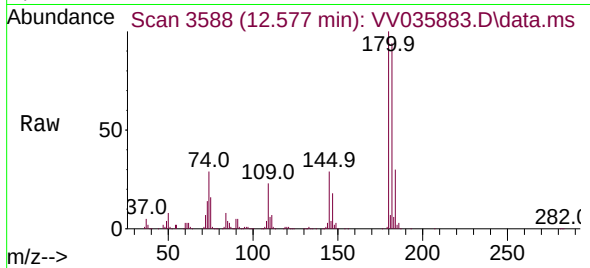
Lab File: VV035883.D

Acq: 30 May 2024 10:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 692528

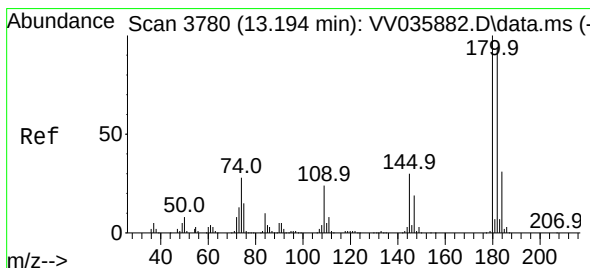
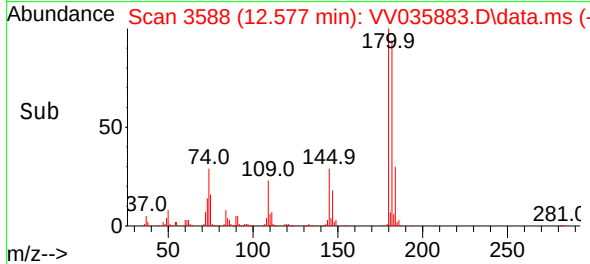
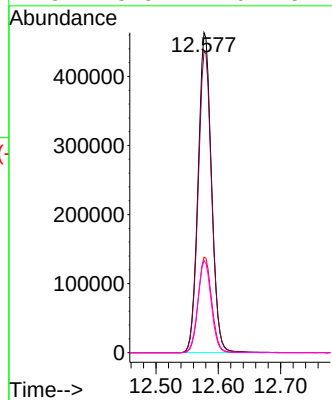
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

184 30.1 24.2 36.2

145 28.8 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 46.922 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035883.D

Acq: 30 May 2024 10:15

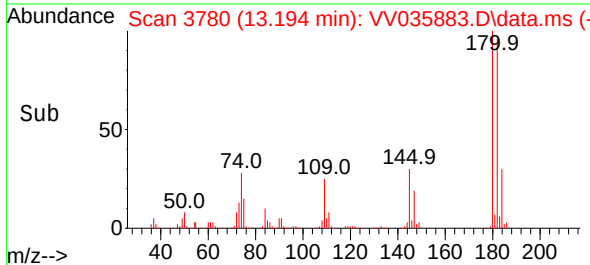
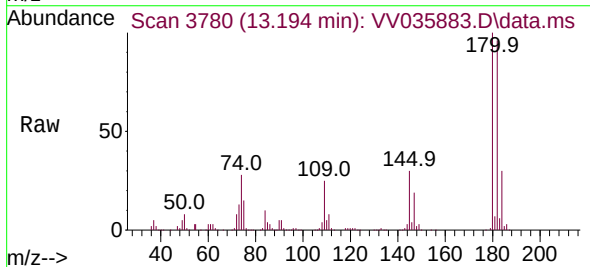
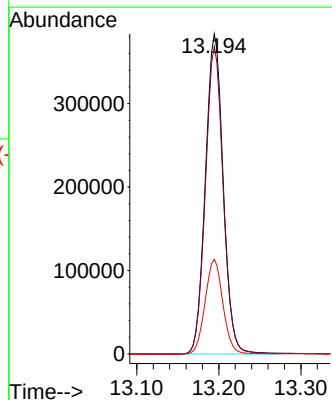
Tgt Ion:180 Resp: 579633

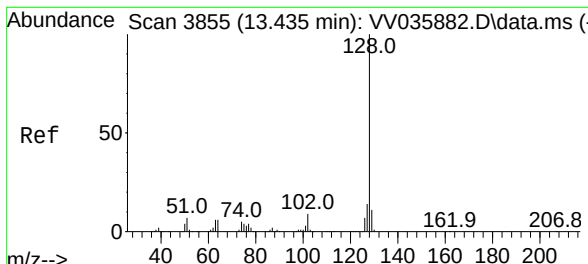
Ion Ratio Lower Upper

180 100

182 95.8 76.1 114.1

145 29.5 23.5 35.3



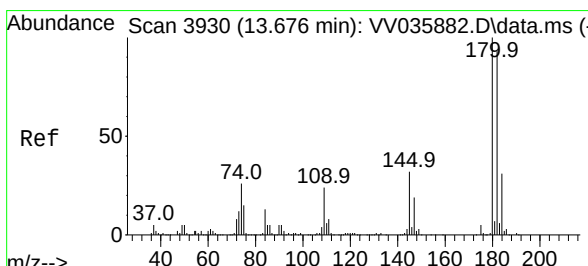
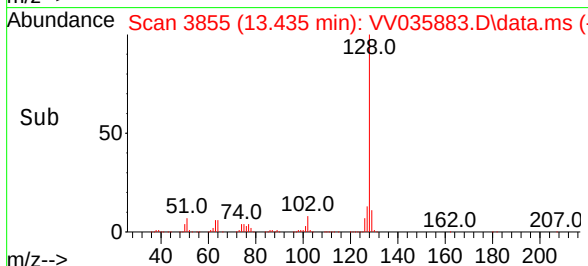
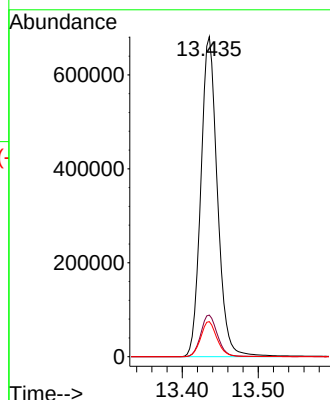
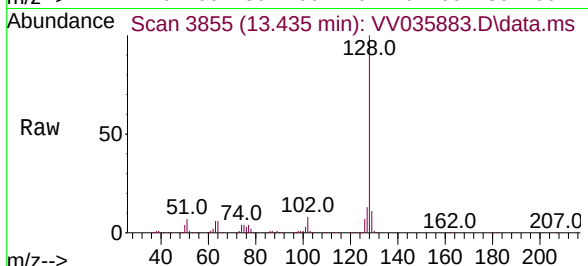


#71
Naphthalene
Concen: 47.871 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 1030165

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 48.025 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035883.D
Acq: 30 May 2024 10:15

Tgt Ion:180 Resp: 539973

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.1	112.7
145	31.1	25.2	37.8

