

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011024\
 Data File : VW033557.D
 Acq On : 10 Jan 2024 12:58
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 11 00:17:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:16:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	359197	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	336087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	176436	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	145487	52.489	ug/L	0.00
7) Chloroethane-d5	1.532	69	110067	45.661	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	59694	44.478	ug/L	0.00
21) 2-Butanone-d5	3.783	46	188060	127.482	ug/L	0.00
24) Chloroform-d	4.253	84	242712	45.817	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	157243	47.954	ug/L	0.00
32) Benzene-d6	4.960	84	486765	53.629	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	160090	56.931	ug/L	0.00
41) Toluene-d8	7.243	98	442122	53.883	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	79649	57.853	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	134022	135.081	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	198585	50.675	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	166458	50.486	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	140323	48.215	ug/L	100
3) Chloromethane	1.217	50	163751	57.677	ug/L	100
5) Vinyl chloride	1.285	62	157409	52.998	ug/L	100
6) Bromomethane	1.487	94	83386	41.037	ug/L	100
8) Chloroethane	1.548	64	94940	48.827	ug/L	100
9) Trichlorofluoromethane	1.716	101	190016	39.160	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	111263	39.220	ug/L	100
12) 1,1-Dichloroethene	2.073	96	106152	43.354	ug/L	100
13) Acetone	2.111	43	190347	115.553	ug/L	100
14) Carbon disulfide	2.243	76	363323	54.688	ug/L	100
15) Methyl Acetate	2.372	43	152152	62.134	ug/L	# 100
16) Methylene chloride	2.449	84	128195	45.937	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	117823	49.628	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	432119	57.658	ug/L	100
19) 1,1-Dichloroethane	3.114	63	247474	53.410	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	132869	49.312	ug/L	100
22) 2-Butanone	3.863	43	229170	133.073	ug/L	100
23) Bromochloromethane	4.150	128	64391	44.490	ug/L	100
25) Chloroform	4.278	83	232941	46.123	ug/L	100
27) 1,2-Dichloroethane	5.040	62	193677	49.309	ug/L	100
29) Cyclohexane	4.587	56	239377	71.234	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	204203	49.474	ug/L	100
31) Carbon tetrachloride	4.738	117	174589	47.748	ug/L	100
33) Benzene	5.011	78	505298	55.476	ug/L	100
34) Trichloroethene	5.834	95	134651	53.829	ug/L	100
35) Methylcyclohexane	6.050	83	227784	61.406	ug/L	100
37) 1,2-Dichloropropane	6.092	63	140956	56.544	ug/L	100
38) Bromodichloromethane	6.433	83	179507	51.103	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	224819	61.107	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	419676	147.066	ug/L	100
42) Toluene	7.314	91	528804	55.391	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	219692	59.398	ug/L	100

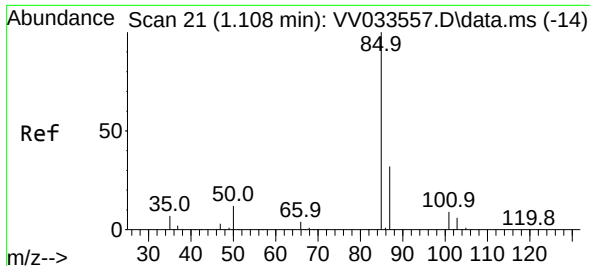
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011024\
 Data File : VV033557.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:16:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	127052	50.468	ug/L	100
46) Tetrachloroethene	7.905	164	97753	50.844	ug/L	100
48) 2-Hexanone	8.072	43	338793	142.603	ug/L	100
49) Dibromochloromethane	8.175	129	128959	48.780	ug/L	100
50) 1,2-Dibromoethane	8.281	107	134093	51.575	ug/L	100
51) Chlorobenzene	8.815	112	338797	49.723	ug/L	100
52) Ethylbenzene	8.947	91	610091	56.614	ug/L	100
53) m,p-Xylene	9.072	106	229364	57.019	ug/L	100
54) o-Xylene	9.477	106	223504	56.837	ug/L	100
55) Styrene	9.497	104	390709	57.090	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	196847	50.892	ug/L	100
59) Bromoform	9.664	173	96618	52.493	ug/L	100
60) Isopropylbenzene	9.866	105	608765	59.226	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	159685	55.468	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	516718	64.513	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	521548	63.387	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	270942	51.884	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	270056	48.520	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	264743	49.159	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	47830	59.595	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	202495	54.800	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	182561	55.972	ug/L	100
71) Naphthalene	13.439	128	486555	55.673	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	174895	56.008	ug/L	100

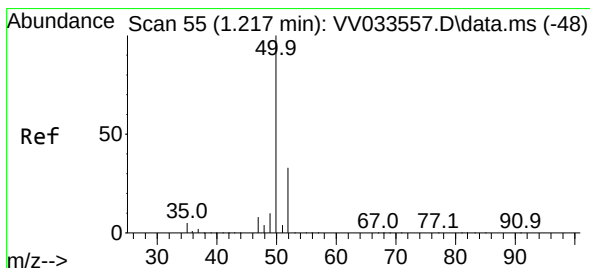
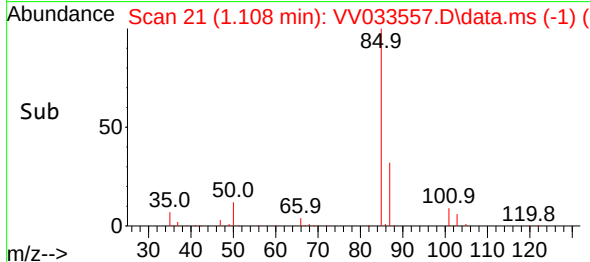
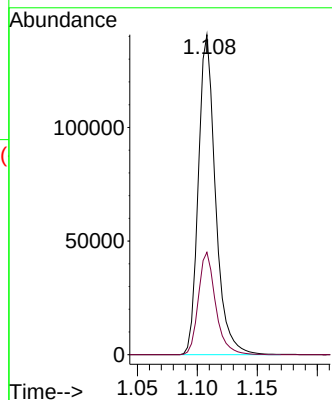
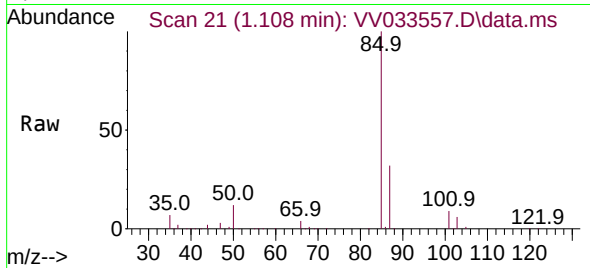
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 48.215 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

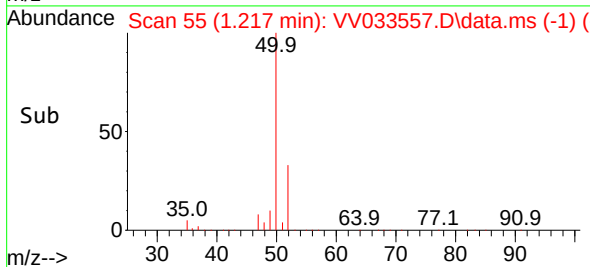
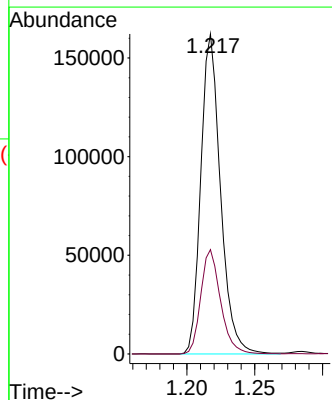
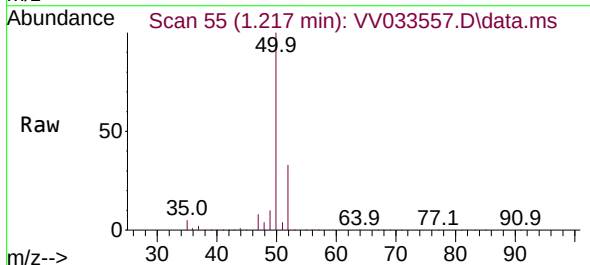
Instrument :
 MSVOA_V
 ClientSampleId :

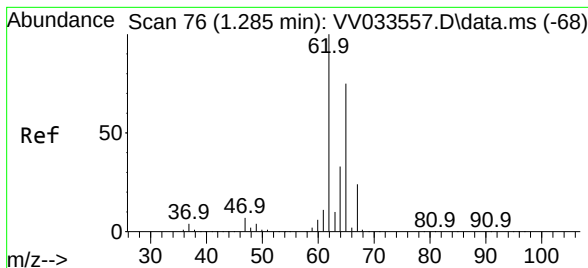
Tgt Ion: 85 Resp: 140323
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.6



#3
 Chloromethane
 Concen: 57.677 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

Tgt Ion: 50 Resp: 163751
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 52.998 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

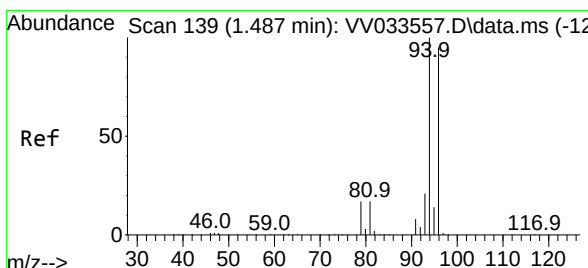
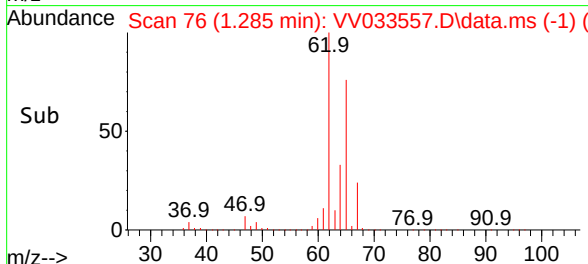
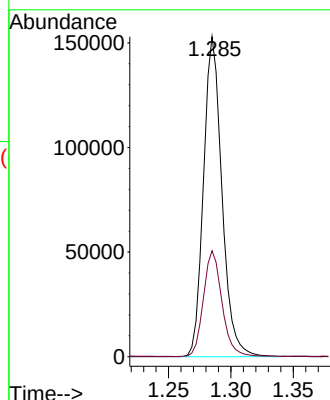
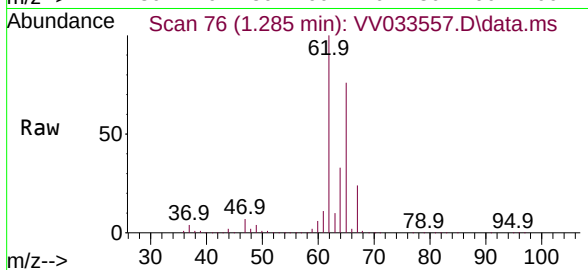
ClientSampleId :

Tgt Ion: 62 Resp: 157409

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 41.037 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV033557.D

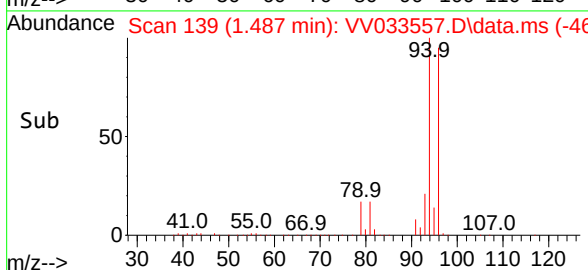
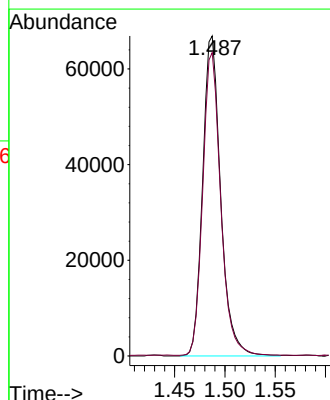
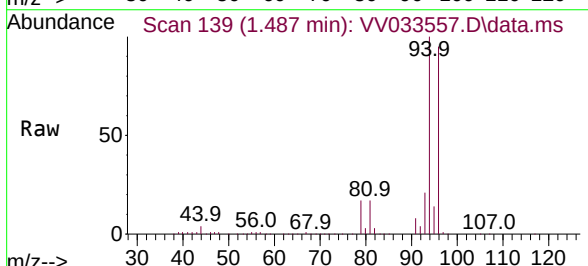
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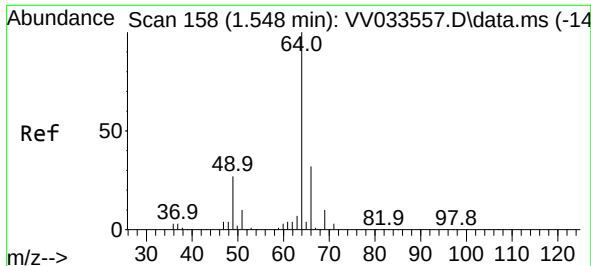
Tgt Ion: 94 Resp: 83386

Ion Ratio Lower Upper

94 100

96 94.8 66.4 123.2

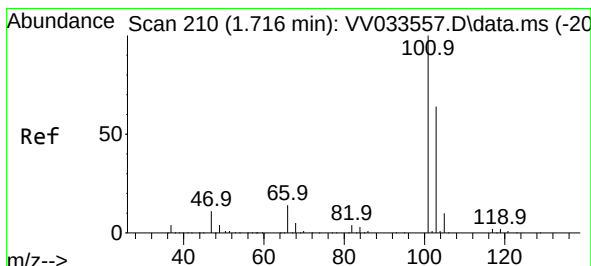
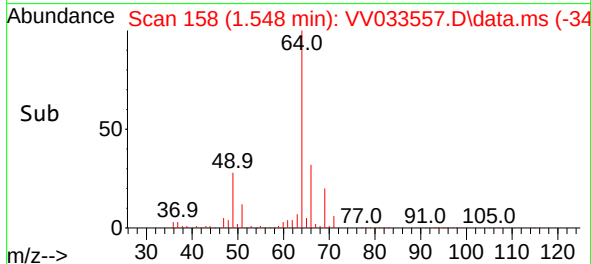
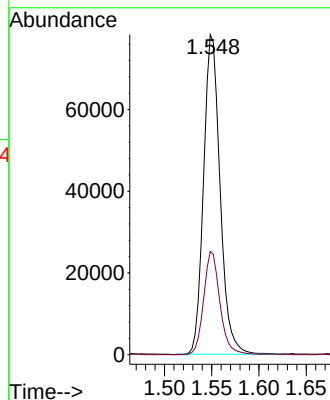
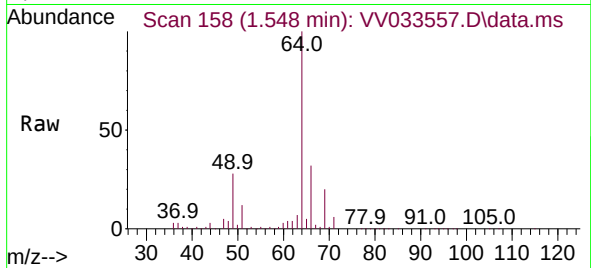




#8
Chloroethane
Concen: 48.827 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

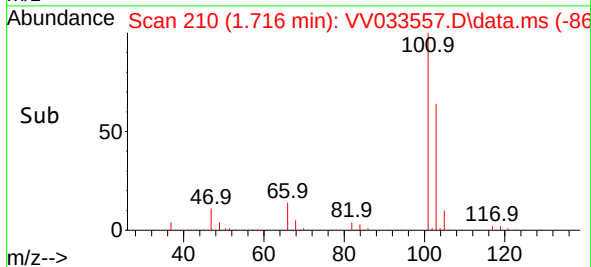
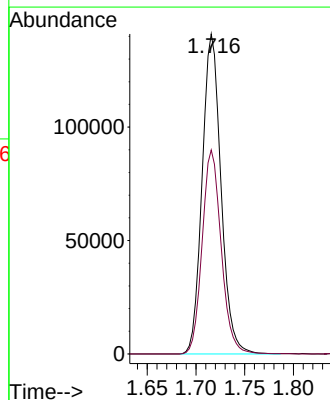
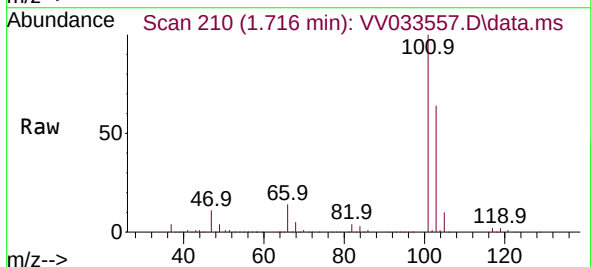
Instrument :
MSVOA_V
ClientSampleId :

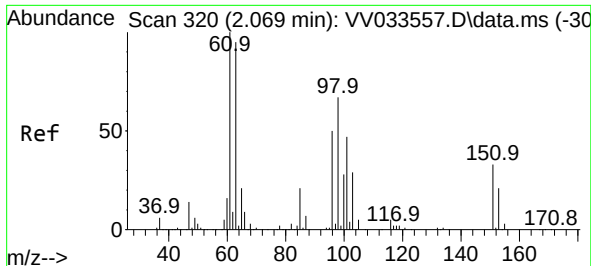
Tgt Ion: 64 Resp: 94940
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 39.160 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion:101 Resp: 190016
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

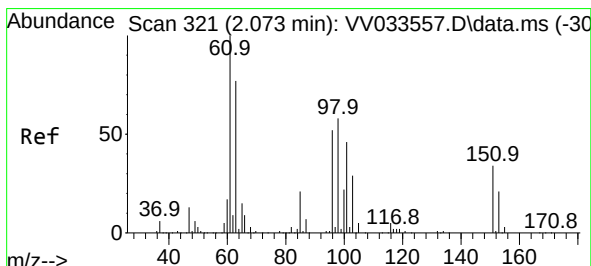
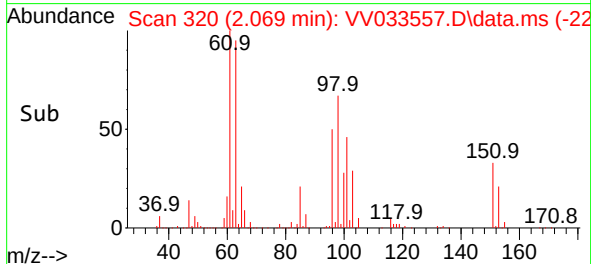
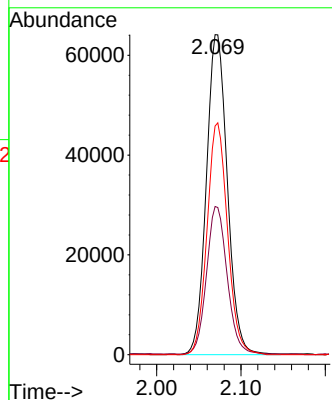
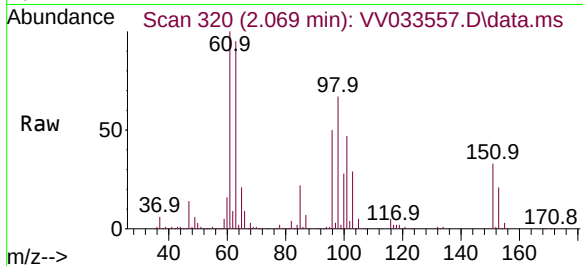




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 39.220 ug/L
 RT: 2.069 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

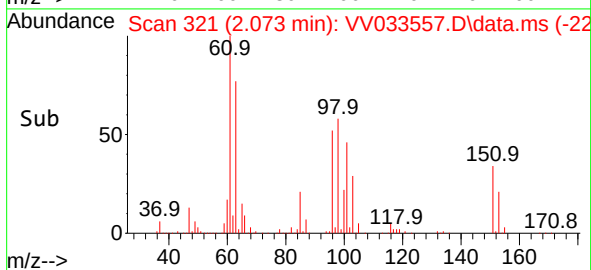
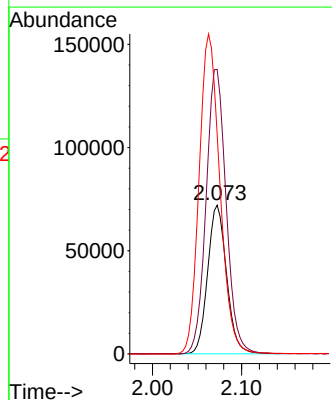
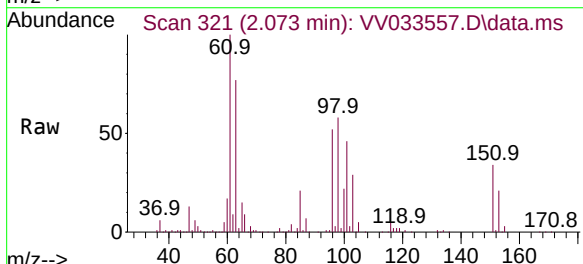
Instrument :
 MSVOA_V
 ClientSampleId :

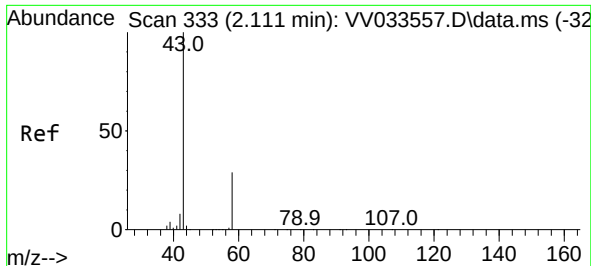
Tgt Ion:101 Resp: 111263
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.2 54.4
 151 70.6 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 43.354 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

Tgt Ion: 96 Resp: 106152
 Ion Ratio Lower Upper
 96 100
 61 191.4 134.0 248.8
 63 147.7 103.4 192.0





#13

Acetone

Concen: 115.553 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

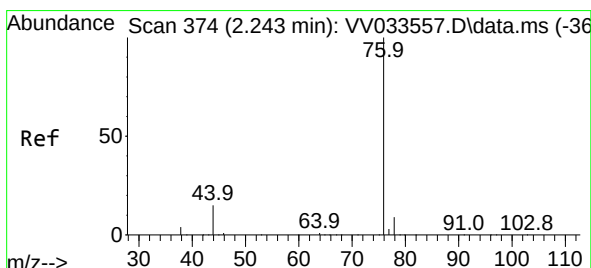
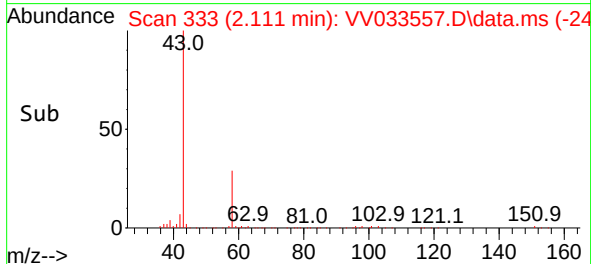
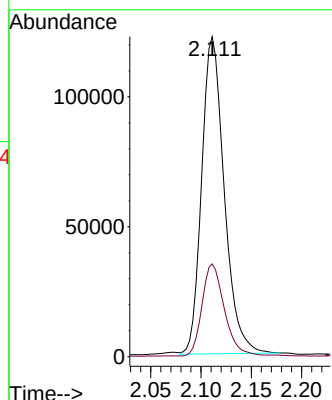
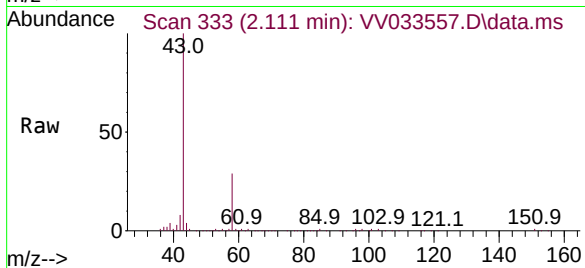
ClientSampleId :

Tgt Ion: 43 Resp: 190347

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 54.688 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033557.D

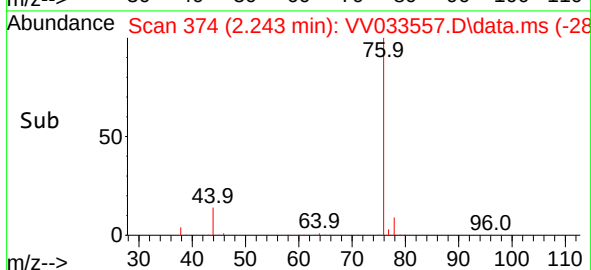
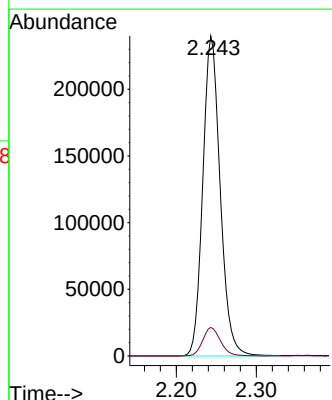
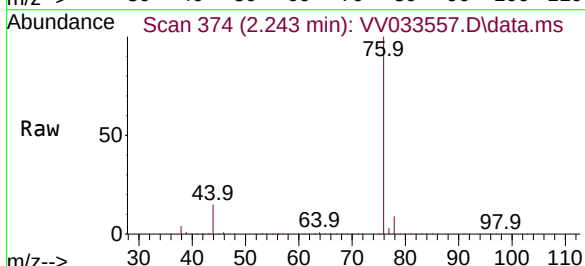
Acq: 10 Jan 2024 12:58

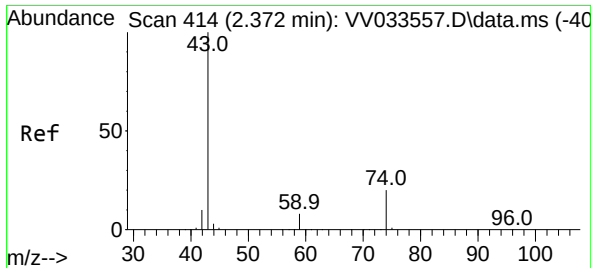
Tgt Ion: 76 Resp: 363323

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

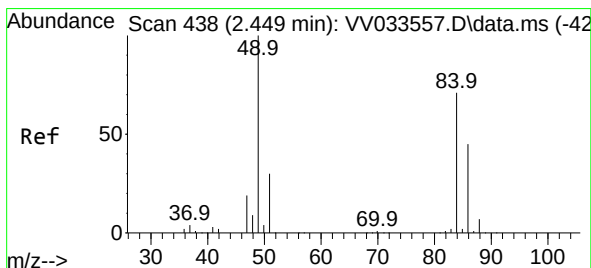
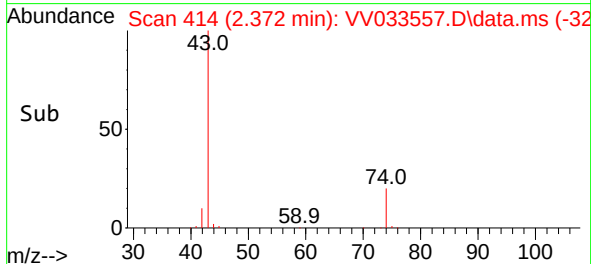
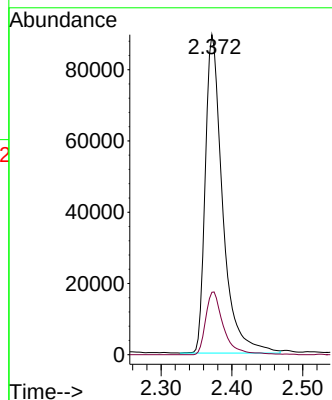
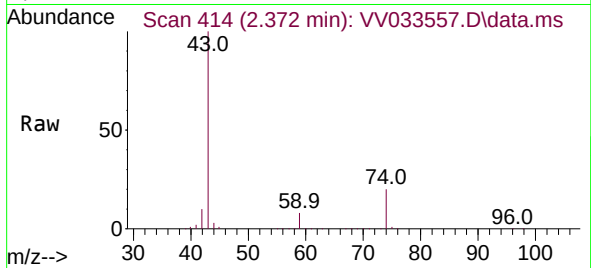




#15
Methyl Acetate
Concen: 62.134 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

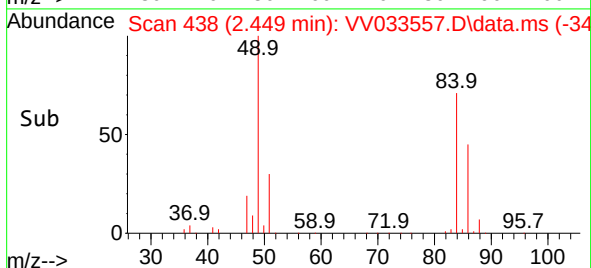
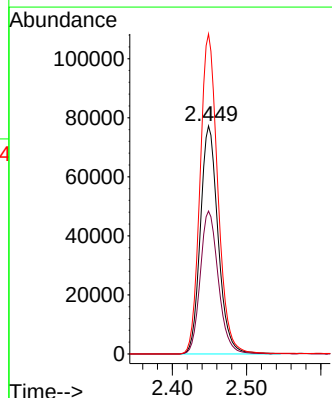
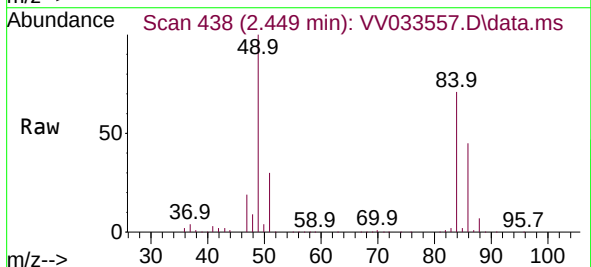
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MSVOA_V
ClientSampleId :

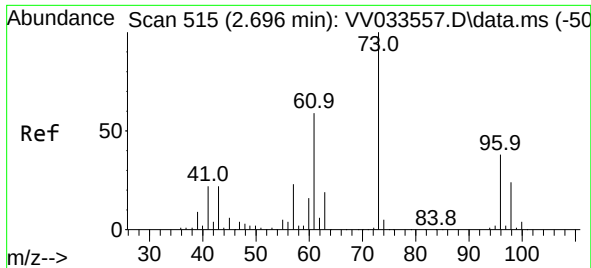
Tgt Ion: 43 Resp: 152152
Ion Ratio Lower Upper
43 100
74 20.2 0.0 0.0#



#16
Methylene chloride
Concen: 45.937 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 84 Resp: 128195
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 140.4 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 49.628 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

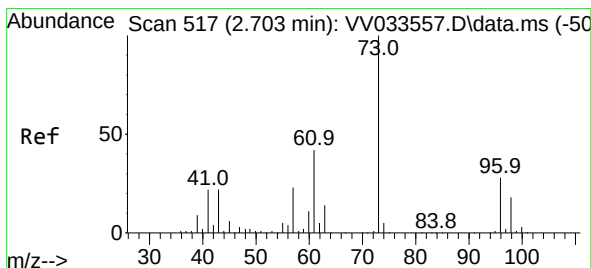
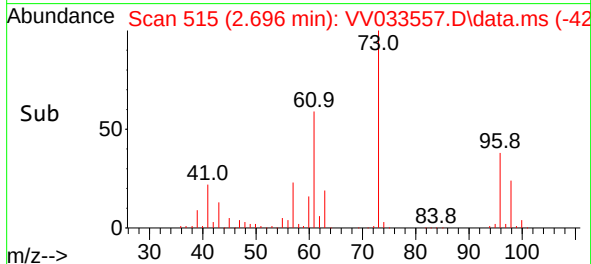
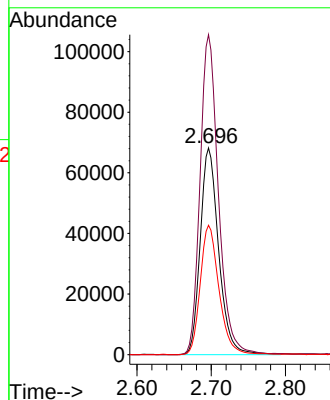
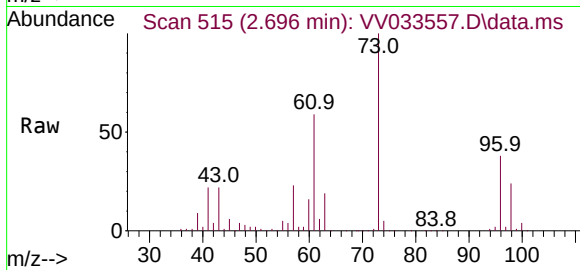
Tgt Ion: 96 Resp: 117823

Ion Ratio Lower Upper

96 100

61 154.9 108.4 201.4

98 62.6 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 57.658 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

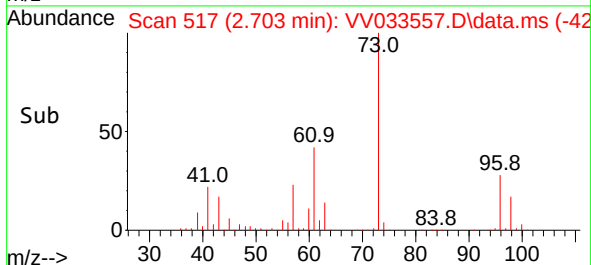
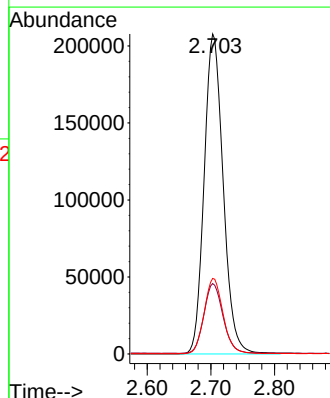
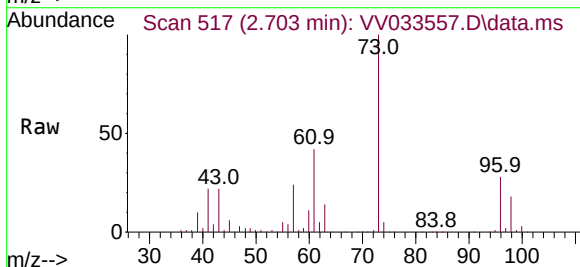
Tgt Ion: 73 Resp: 432119

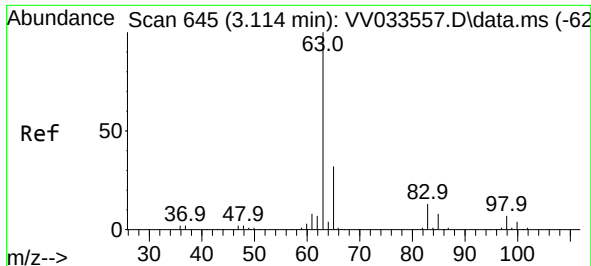
Ion Ratio Lower Upper

73 100

43 21.8 17.4 26.2

57 23.2 18.6 27.8





#19

1,1-Dichloroethane

Concen: 53.410 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

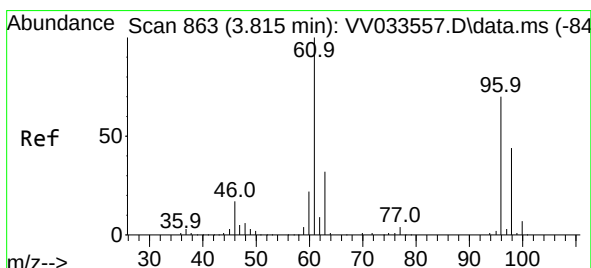
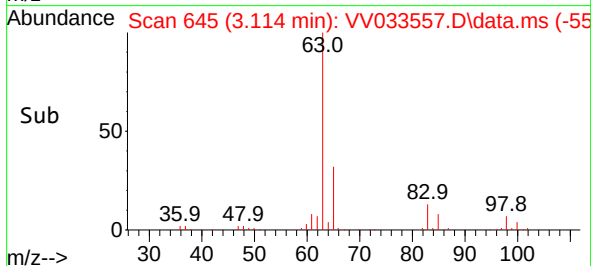
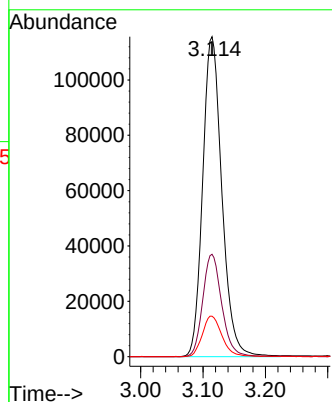
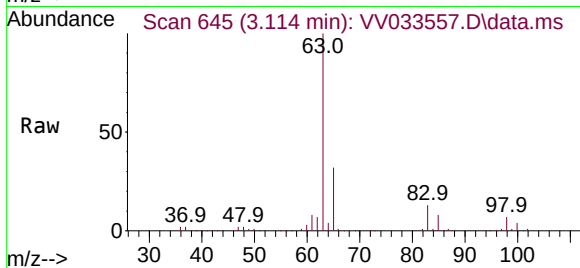
Tgt Ion: 63 Resp: 247474

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 12.7 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 49.312 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

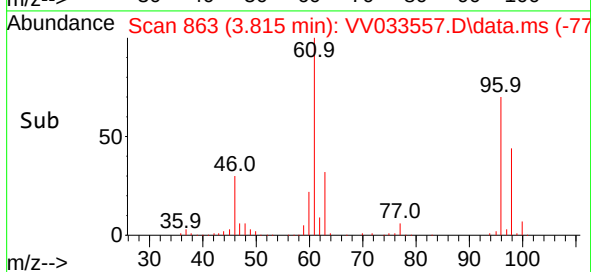
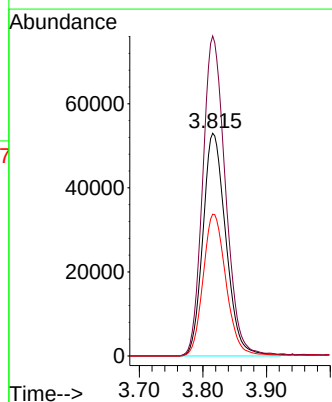
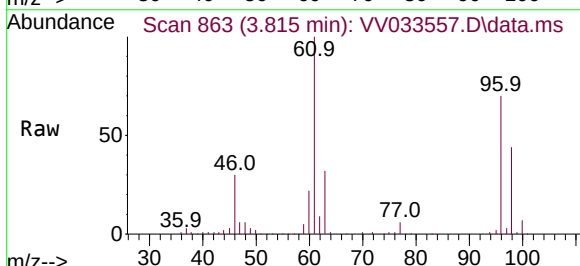
Tgt Ion: 96 Resp: 132869

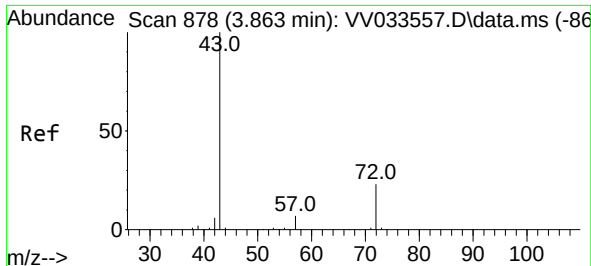
Ion Ratio Lower Upper

96 100

61 143.7 100.6 186.8

98 63.7 44.6 82.8

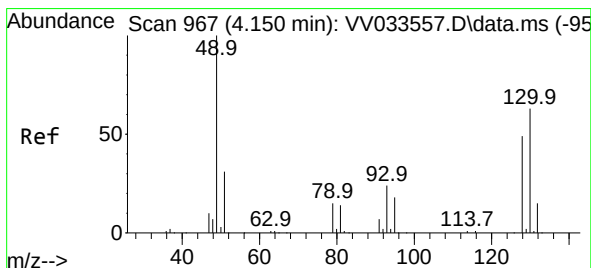
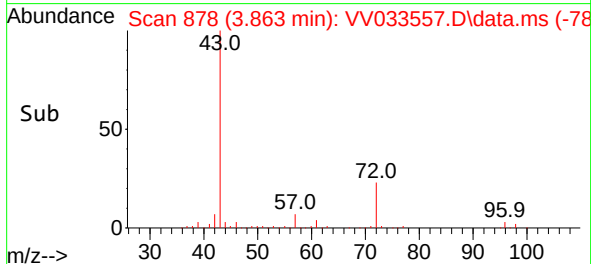
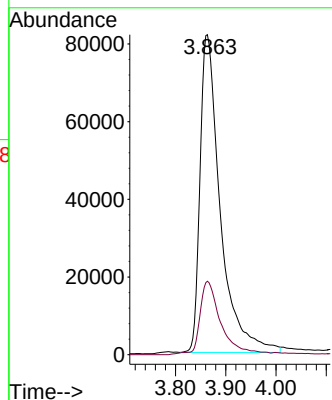
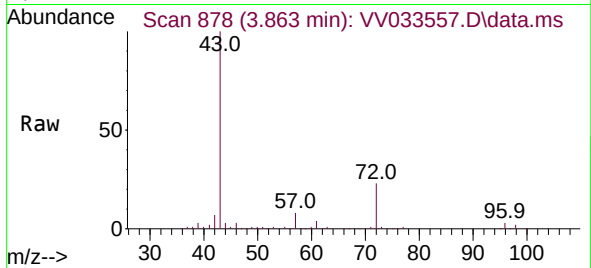




#22
2-Butanone
Concen: 133.073 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

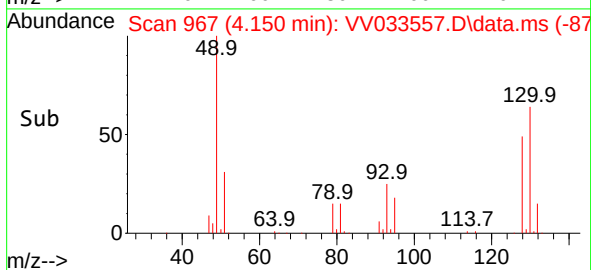
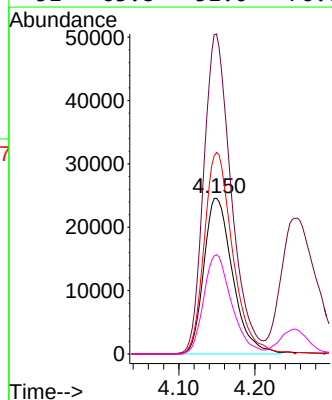
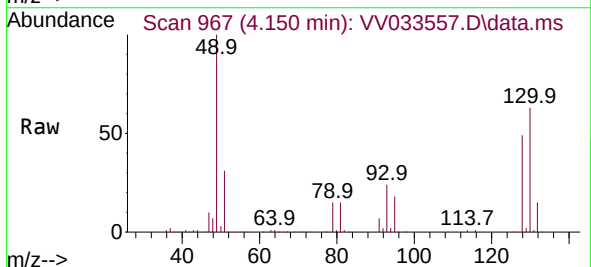
Instrument :
MSVOA_V
ClientSampleId :

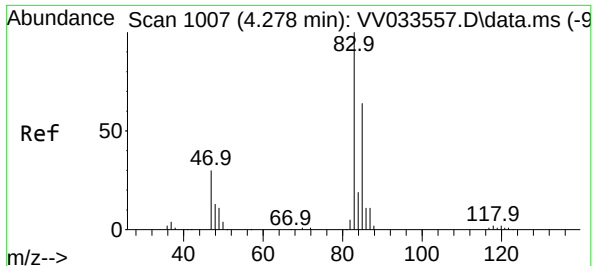
Tgt Ion: 43 Resp: 229170
Ion Ratio Lower Upper
43 100
72 23.7 11.9 35.5



#23
Bromochloromethane
Concen: 44.490 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 128 Resp: 64391
Ion Ratio Lower Upper
128 100
49 205.5 143.9 267.2
130 129.4 90.6 168.2
51 63.8 51.0 76.6

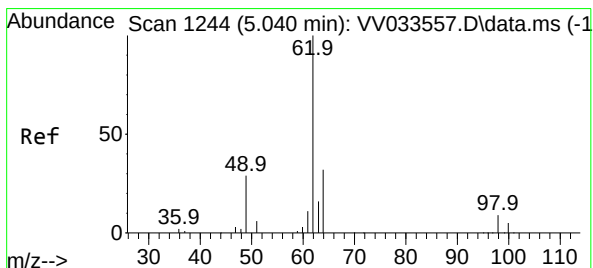
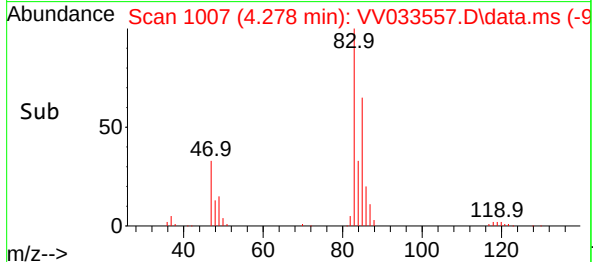
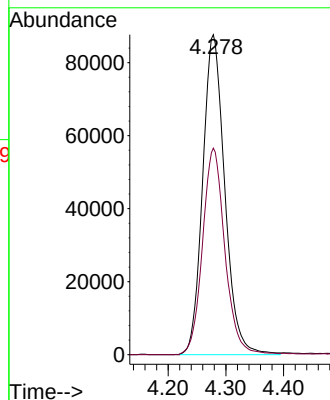
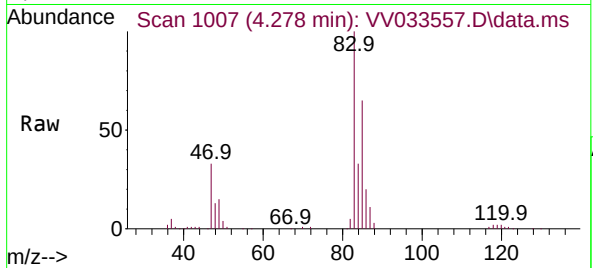




#25
Chloroform
Concen: 46.123 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

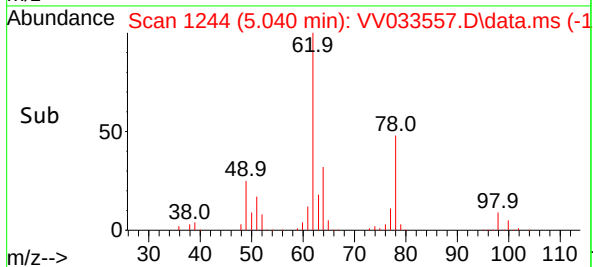
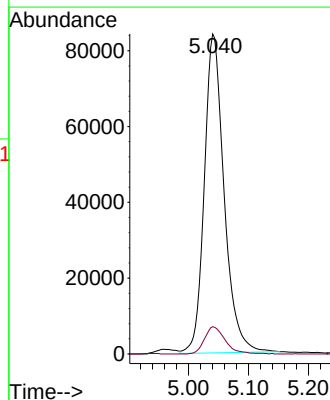
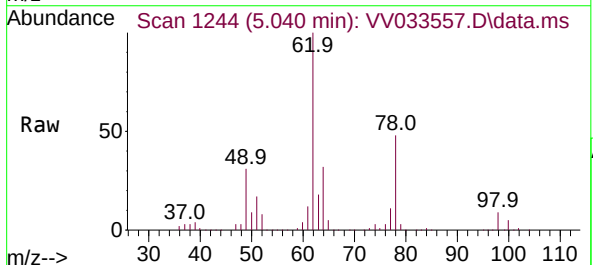
Instrument :
MSVOA_V
ClientSampleId :

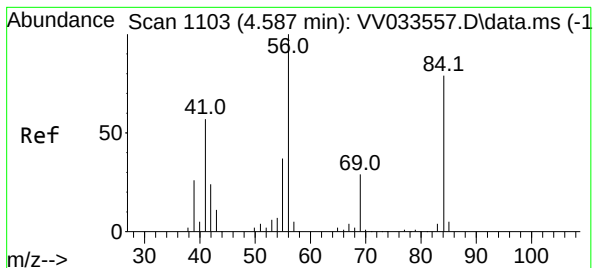
Tgt Ion: 83 Resp: 232941
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.309 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 62 Resp: 193677
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 71.234 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

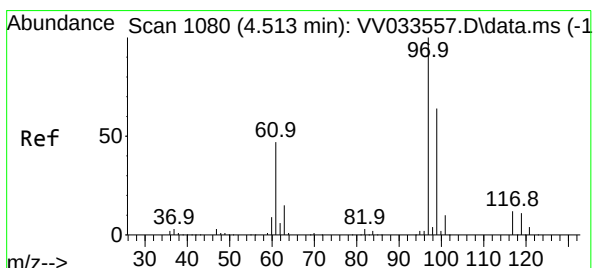
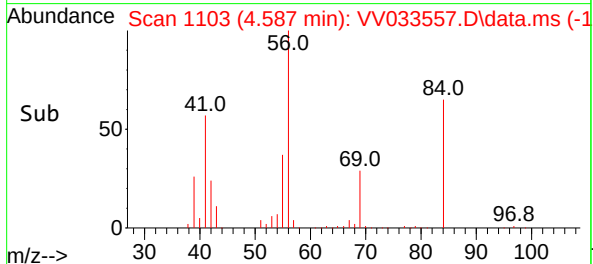
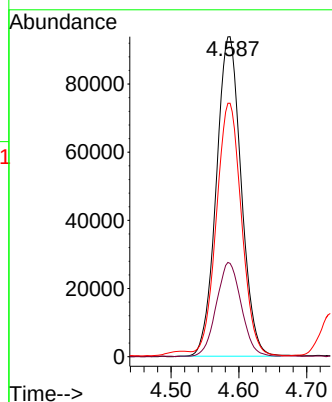
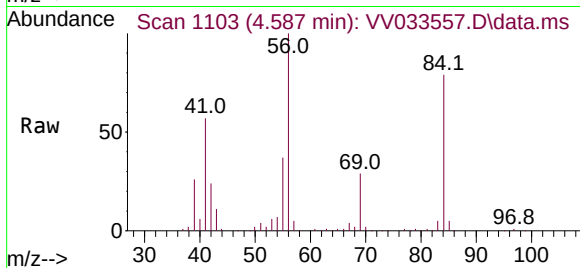
Tgt Ion: 56 Resp: 239377

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.6

84 79.7 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 49.474 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

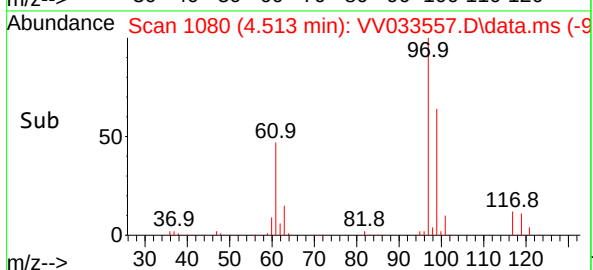
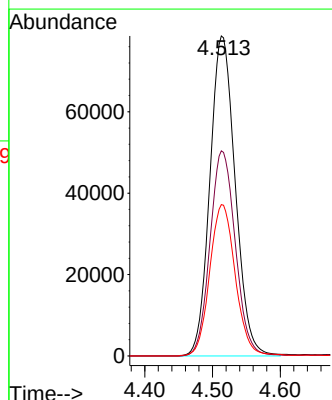
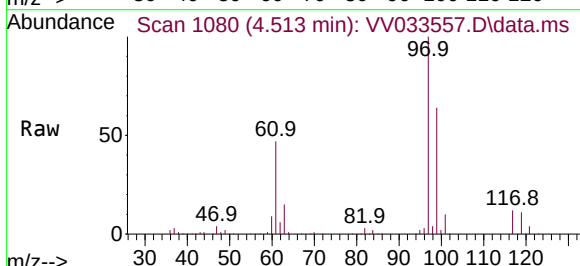
Tgt Ion: 97 Resp: 204203

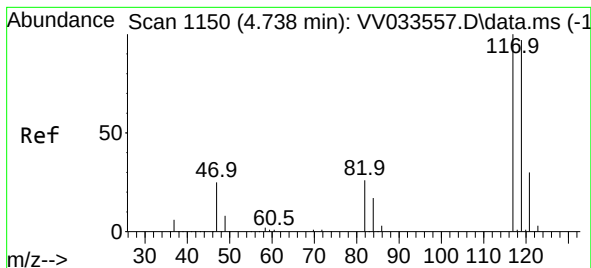
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 47.7 38.2 57.2





#31

Carbon tetrachloride

Concen: 47.748 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

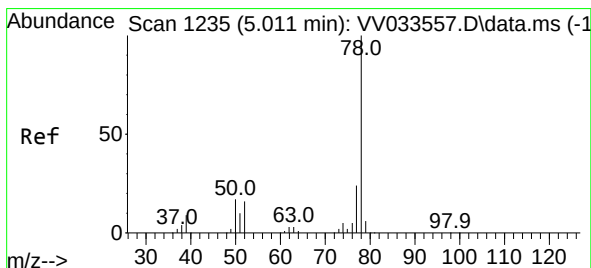
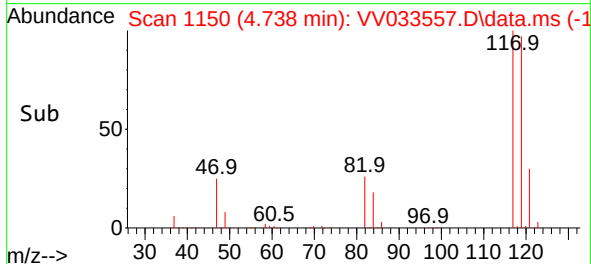
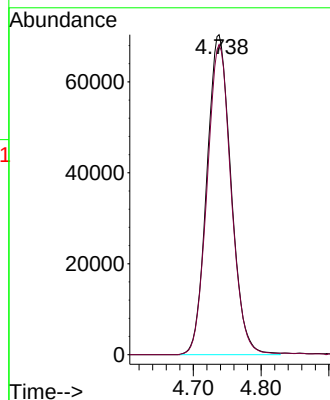
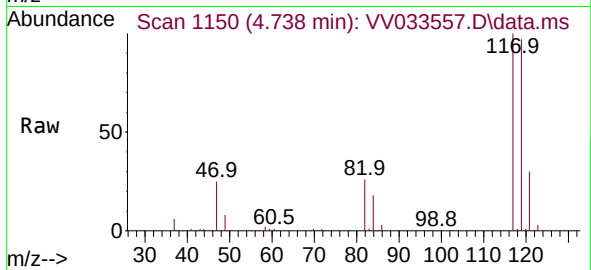
ClientSampleId :

Tgt Ion:117 Resp: 174589

Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4



#33

Benzene

Concen: 55.476 ug/L

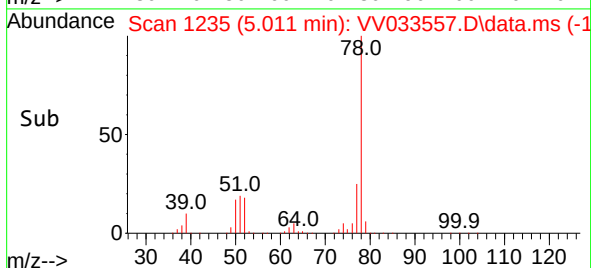
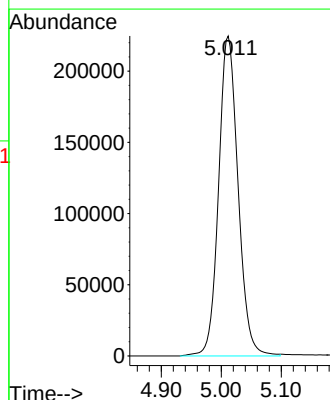
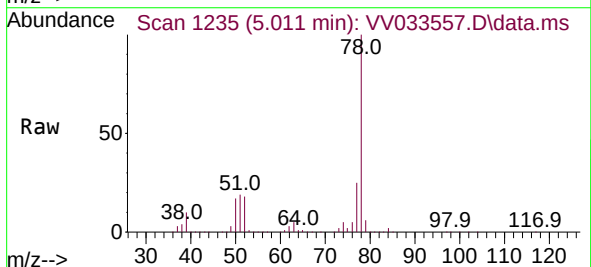
RT: 5.011 min Scan# 1235

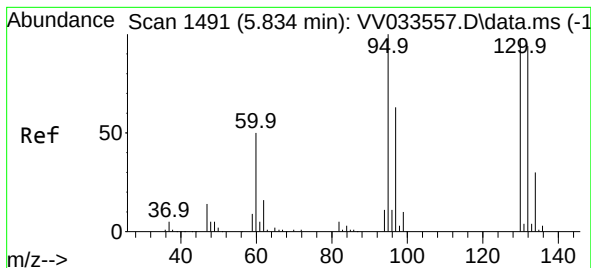
Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Tgt Ion: 78 Resp: 505298





#34

Trichloroethene

Concen: 53.829 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 134651

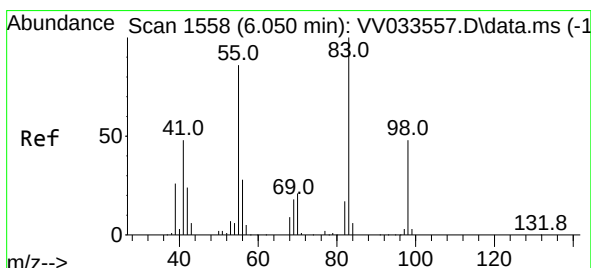
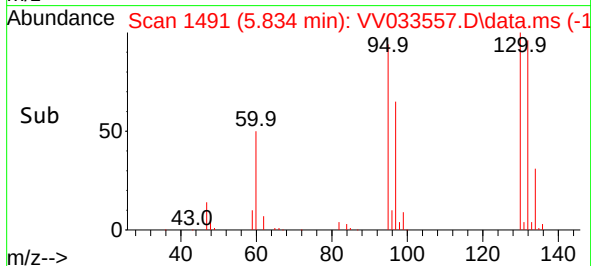
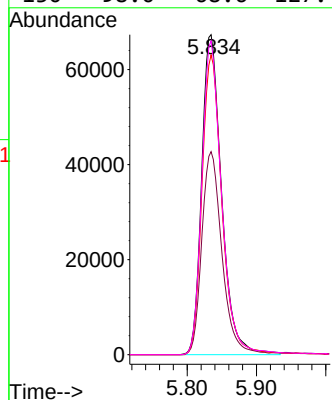
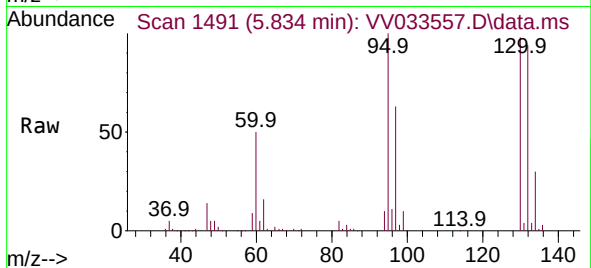
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 93.6 65.5 121.7

130 98.0 68.6 127.4



#35

Methylcyclohexane

Concen: 61.406 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

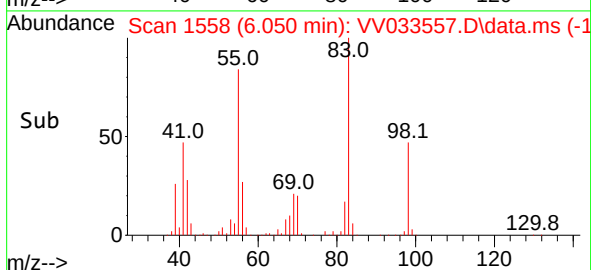
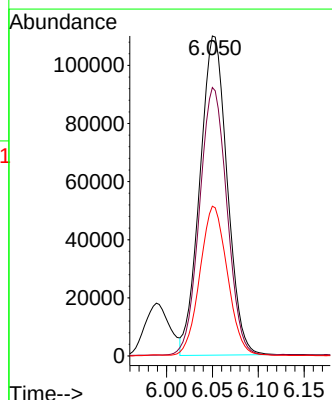
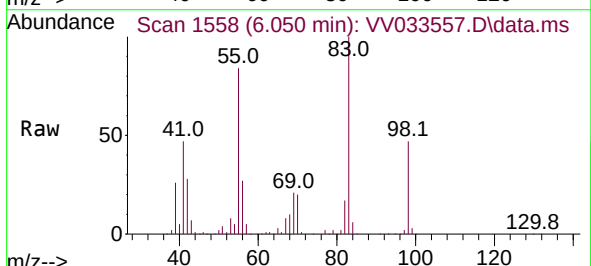
Tgt Ion: 83 Resp: 227784

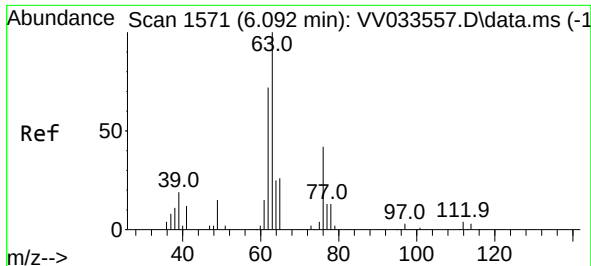
Ion Ratio Lower Upper

83 100

55 83.9 67.1 100.7

98 47.1 37.7 56.5





#37

1,2-Dichloropropane

Concen: 56.544 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

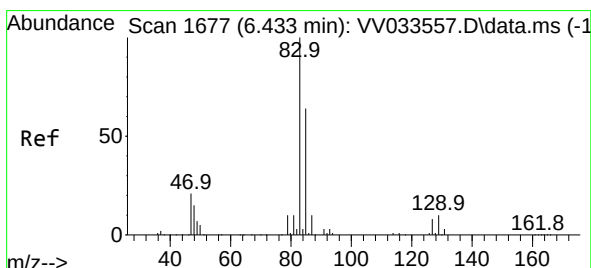
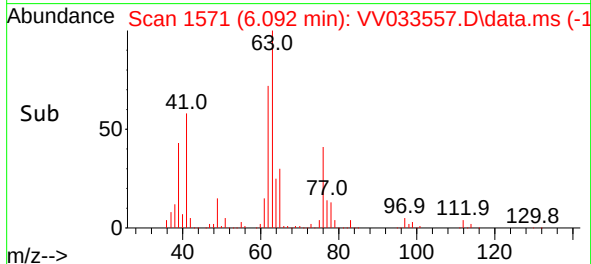
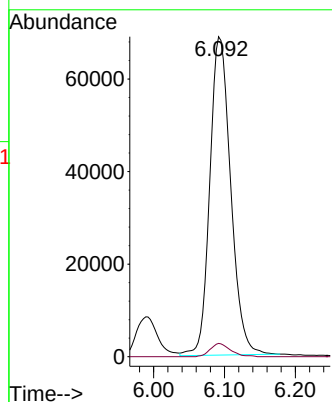
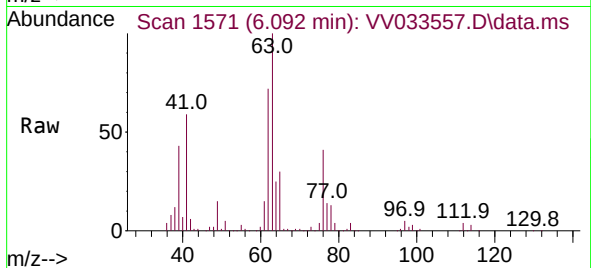
ClientSampleId :

Tgt Ion: 63 Resp: 140956

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 51.103 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

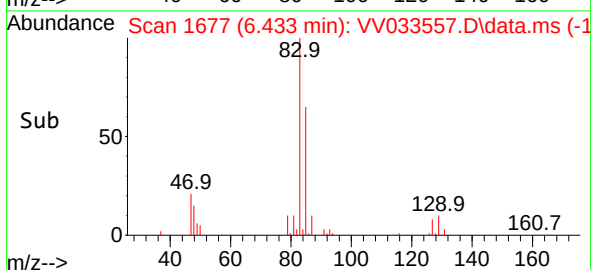
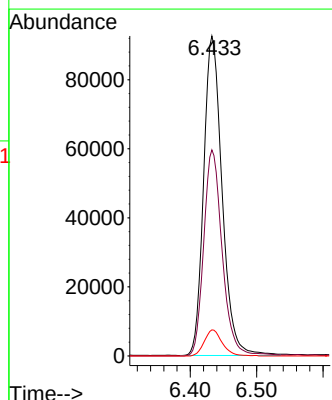
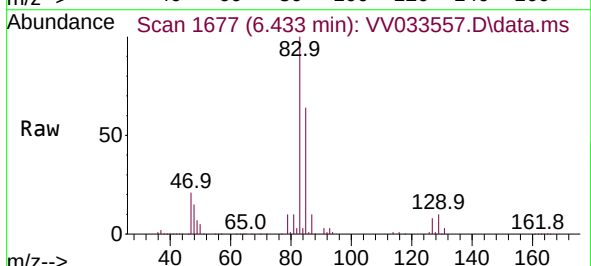
Tgt Ion: 83 Resp: 179507

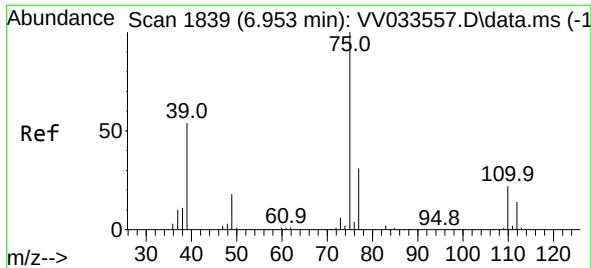
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 61.107 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

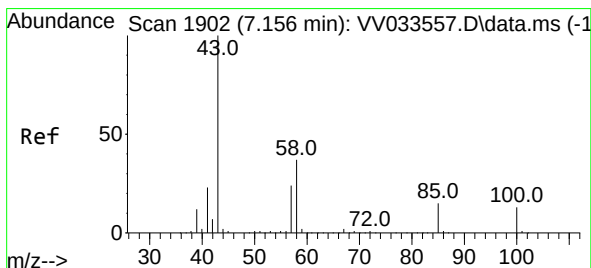
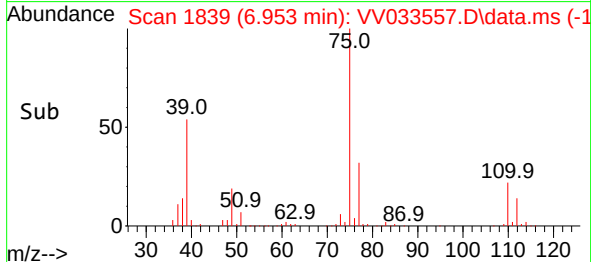
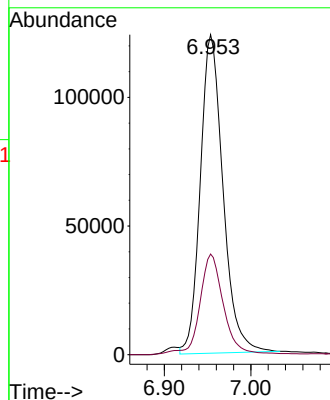
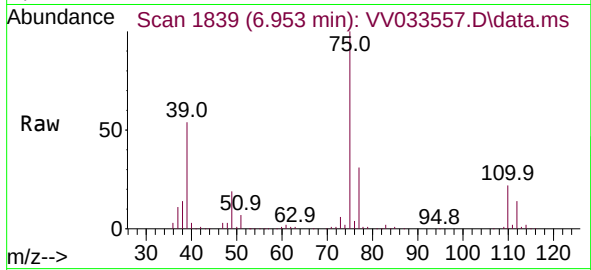
ClientSampleId :

Tgt Ion: 75 Resp: 224819

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 147.066 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

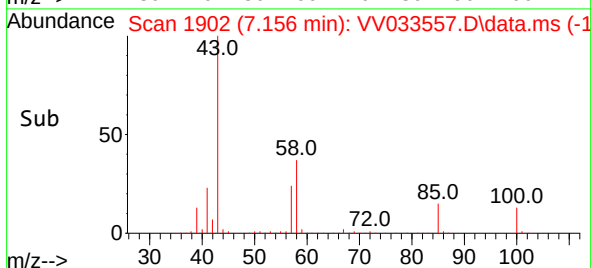
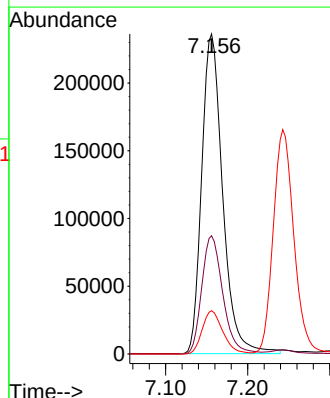
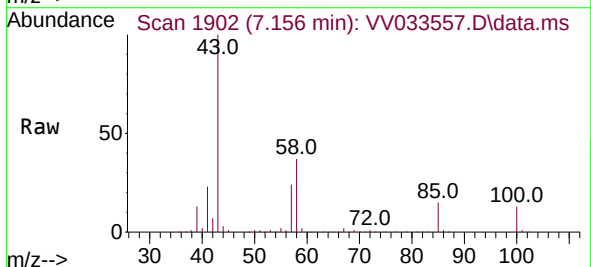
Tgt Ion: 43 Resp: 419676

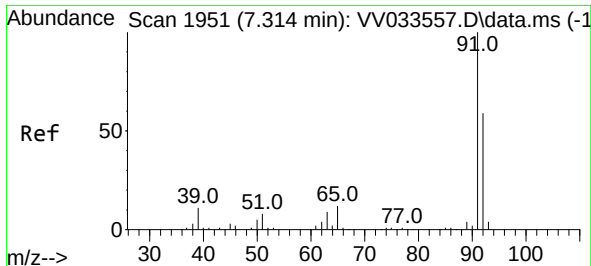
Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4

100 13.3 10.6 16.0





#42

Toluene

Concen: 55.391 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

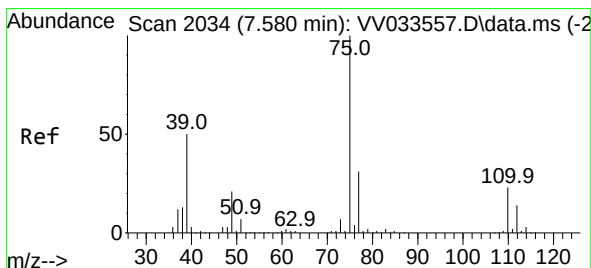
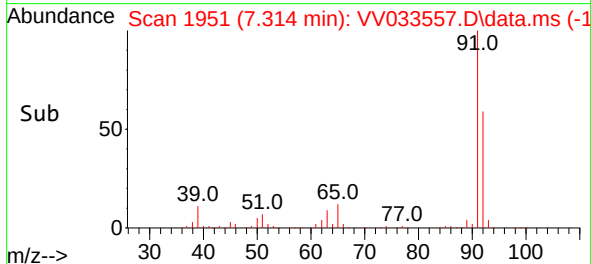
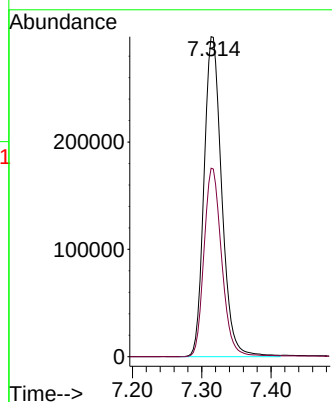
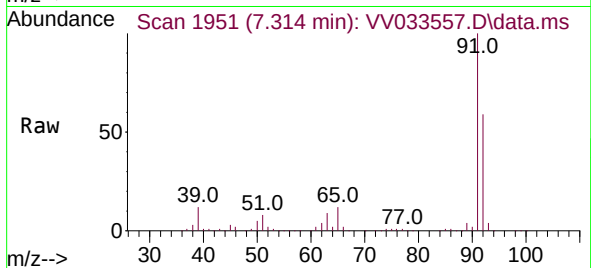
ClientSampleId :

Tgt Ion: 91 Resp: 528804

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 59.398 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033557.D

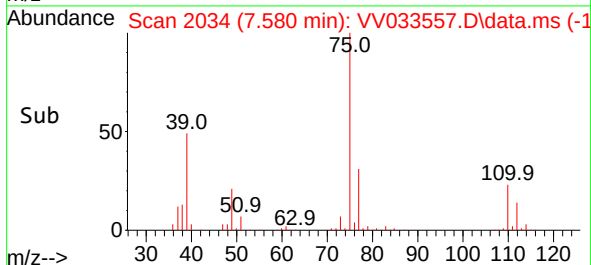
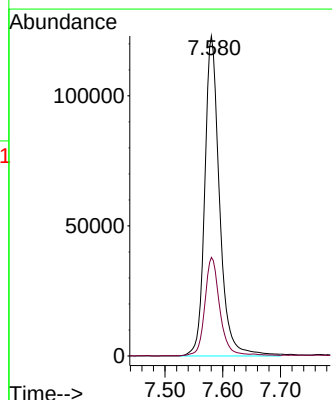
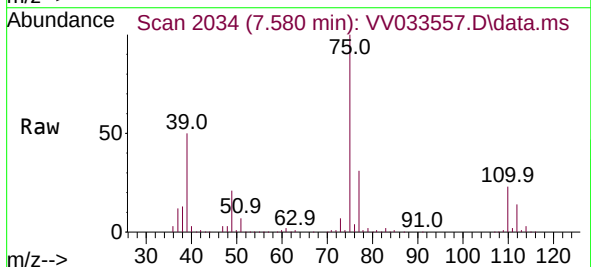
Acq: 10 Jan 2024 12:58

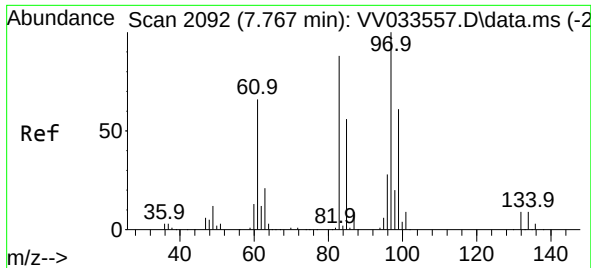
Tgt Ion: 75 Resp: 219692

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0

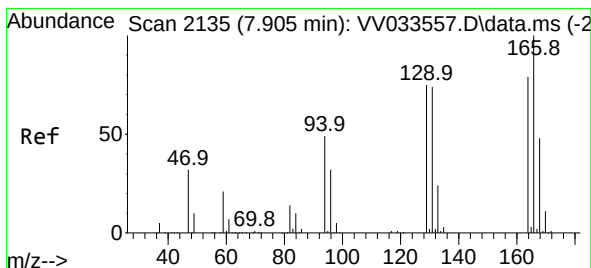
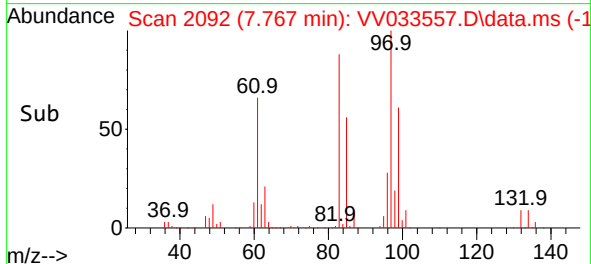
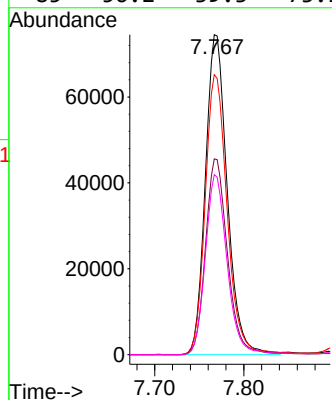
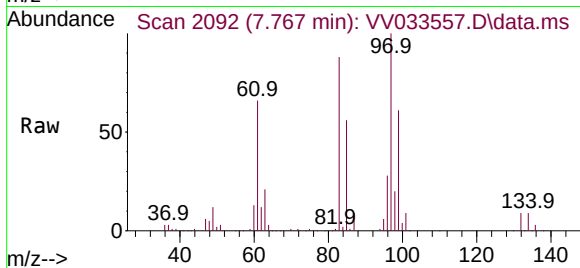




#45
1,1,2-Trichloroethane
Concen: 50.468 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

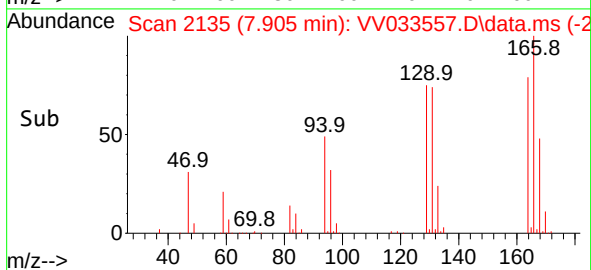
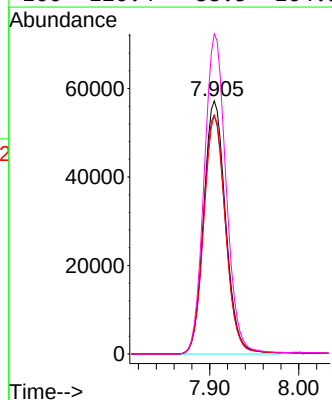
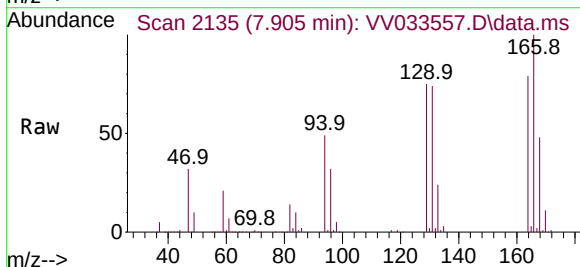
Instrument :
MSVOA_V
ClientSampleId :

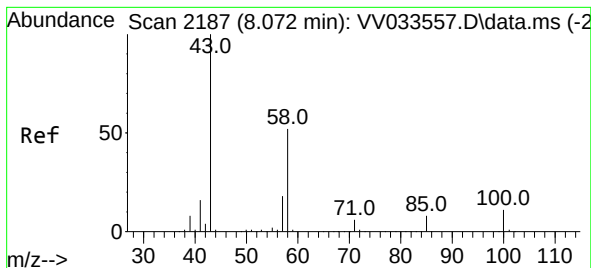
Tgt Ion: 97	Resp: 127052
Ion Ratio	Lower Upper
97 100	
99 61.2	42.8 79.6
83 87.5	61.2 113.8
85 56.2	39.3 73.1



#46
Tetrachloroethene
Concen: 50.844 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt	Ion:164	Resp:	97753
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.7
131	94.2	65.9	122.5
166	126.4	88.5	164.3





#48

2-Hexanone

Concen: 142.603 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 338793

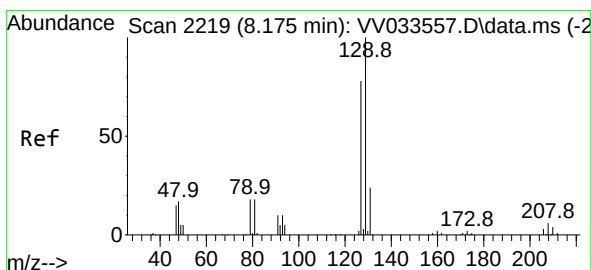
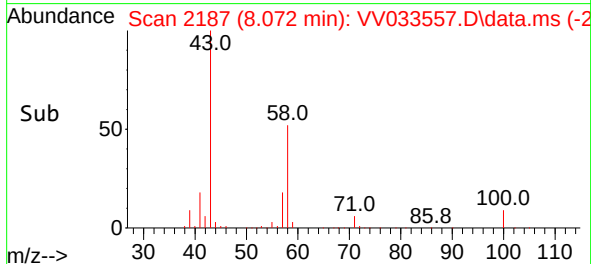
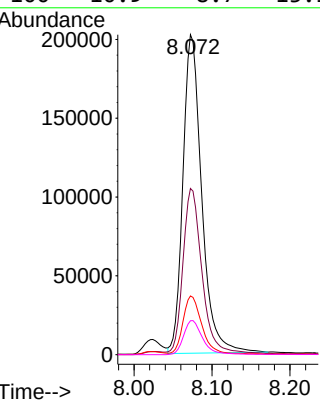
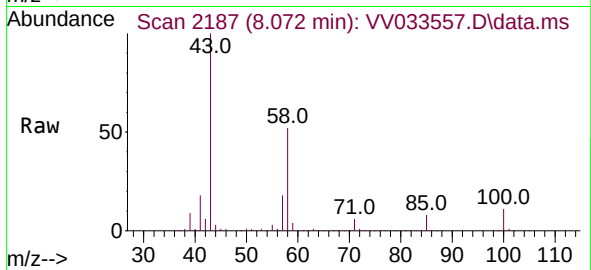
Ion Ratio Lower Upper

43 100

58 52.9 42.3 63.5

57 17.7 14.2 21.2

100 10.9 8.7 13.1



#49

Dibromochloromethane

Concen: 48.780 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV033557.D

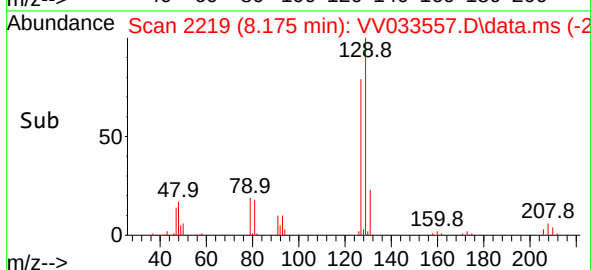
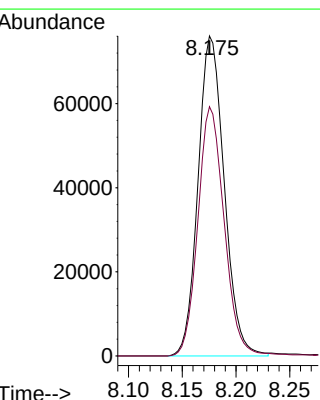
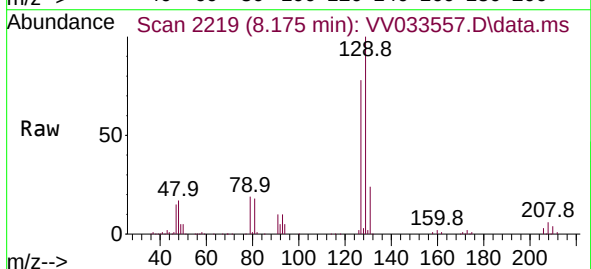
Acq: 10 Jan 2024 12:58

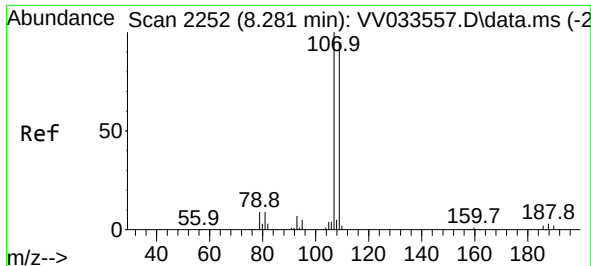
Tgt Ion: 129 Resp: 128959

Ion Ratio Lower Upper

129 100

127 77.9 54.5 101.3

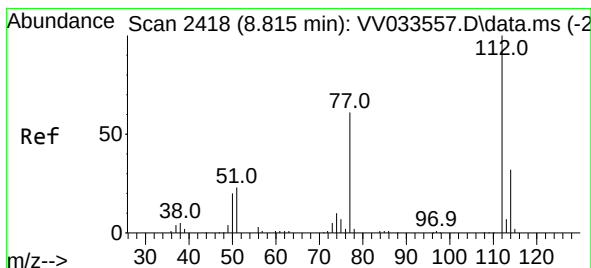
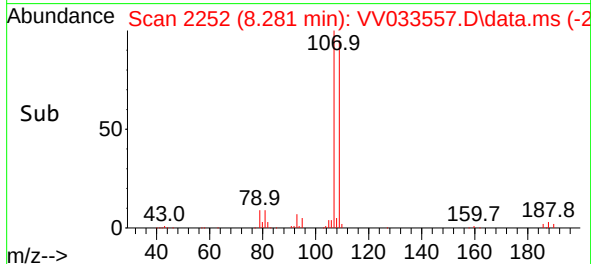
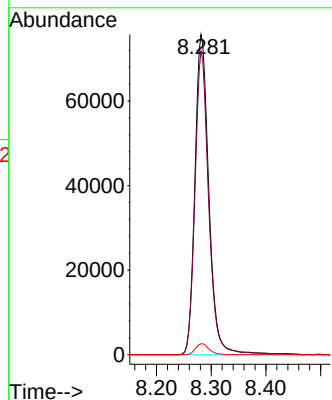
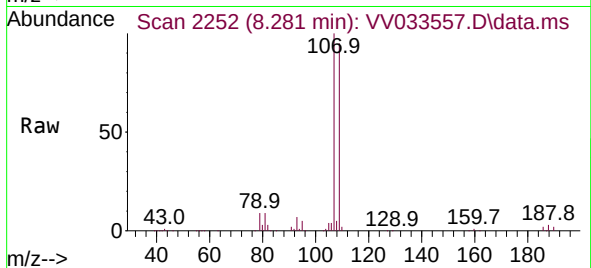




#50
1,2-Dibromoethane
Concen: 51.575 ug/L
RT: 8.281 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

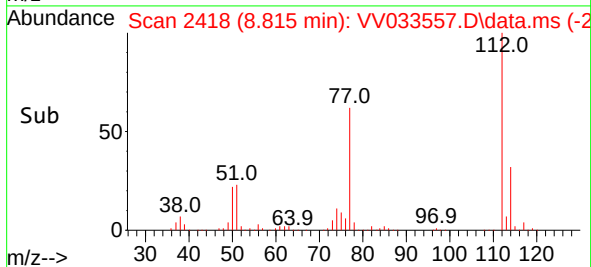
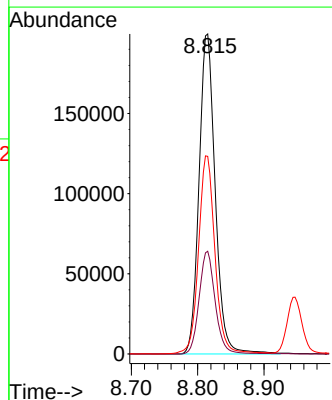
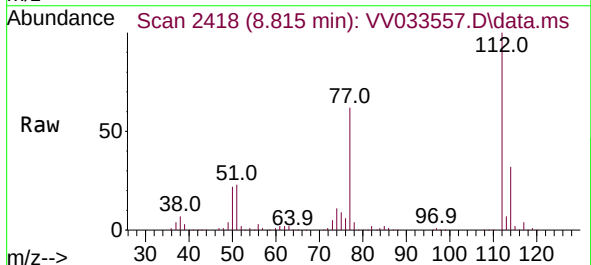
Instrument :
MSVOA_V
ClientSampleId :

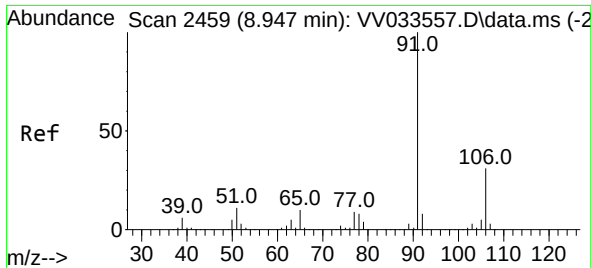
Tgt Ion:107 Resp: 134093
Ion Ratio Lower Upper
107 100
109 94.9 66.4 123.4
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 49.723 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion:112 Resp: 338797
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 61.7 49.4 74.0

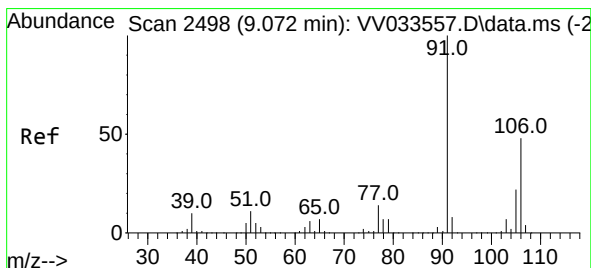
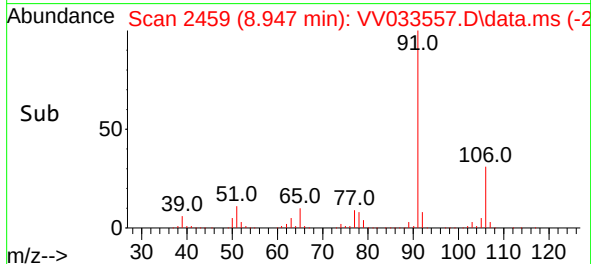
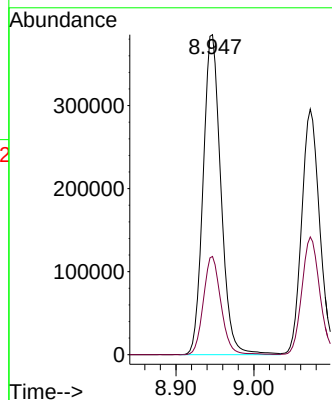
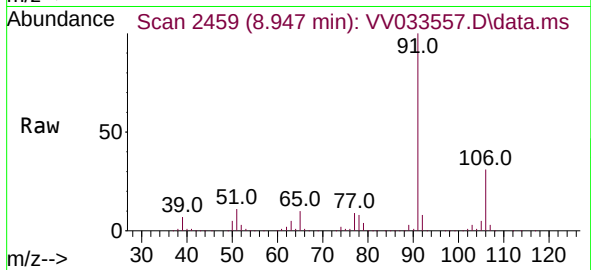




#52
Ethylbenzene
Concen: 56.614 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

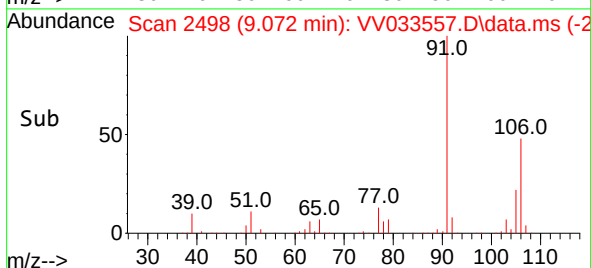
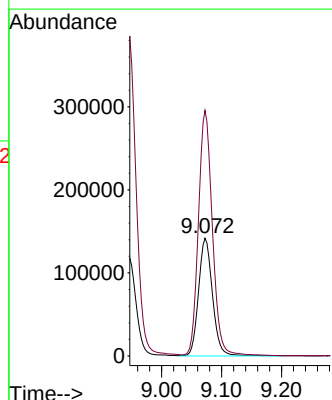
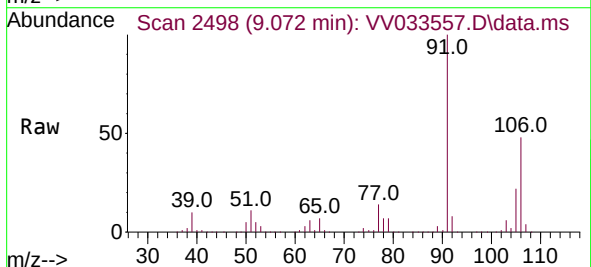
Instrument :
MSVOA_V
ClientSampleId :

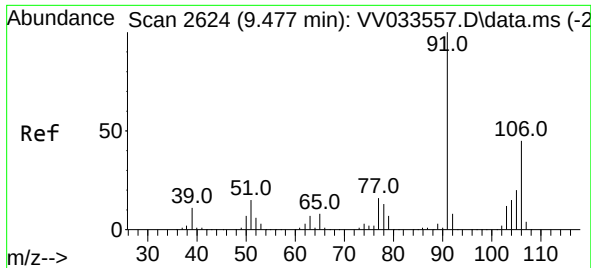
Tgt Ion: 91 Resp: 610091
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 57.019 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 106 Resp: 229364
Ion Ratio Lower Upper
106 100
91 208.7 146.1 271.3

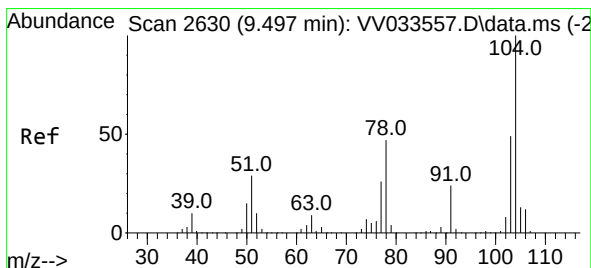
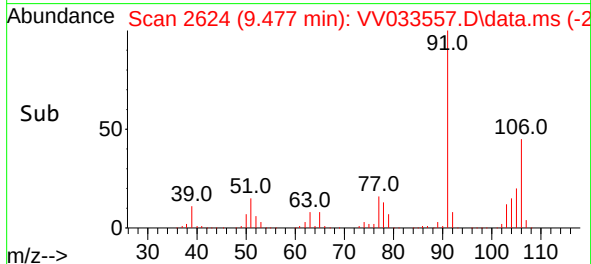
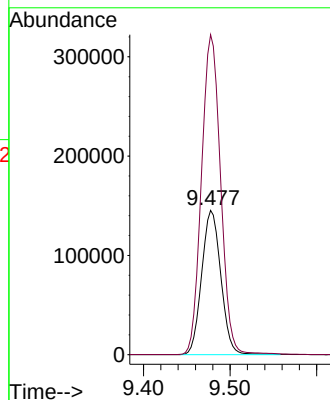
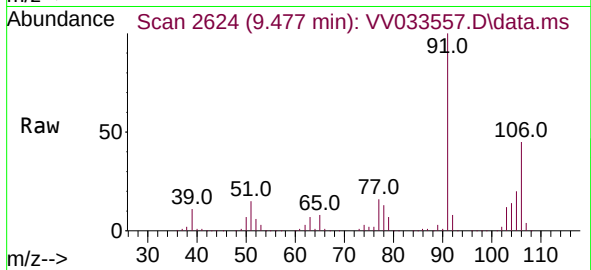




#54
o-Xylene
Concen: 56.837 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

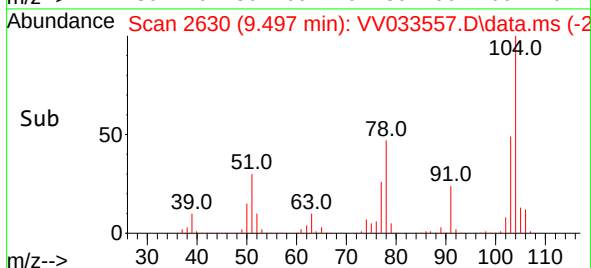
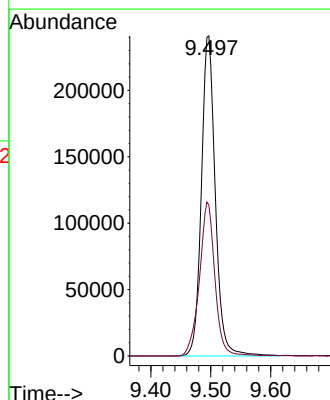
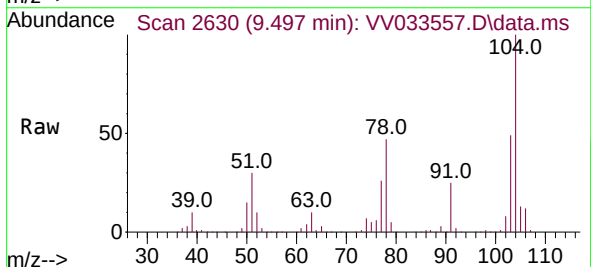
Instrument :
MSVOA_V
ClientSampleId :

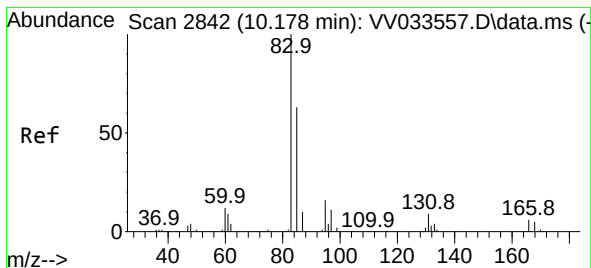
Tgt Ion:106 Resp: 223504
Ion Ratio Lower Upper
106 100
91 221.7 155.2 288.2



#55
Styrene
Concen: 57.090 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion:104 Resp: 390709
Ion Ratio Lower Upper
104 100
78 47.2 33.0 61.4

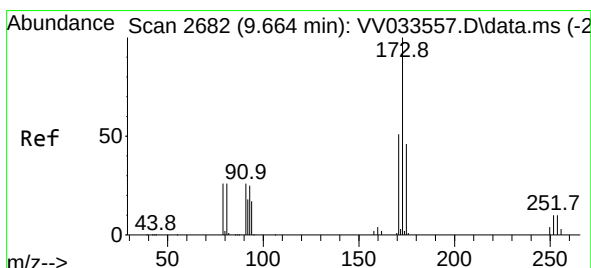
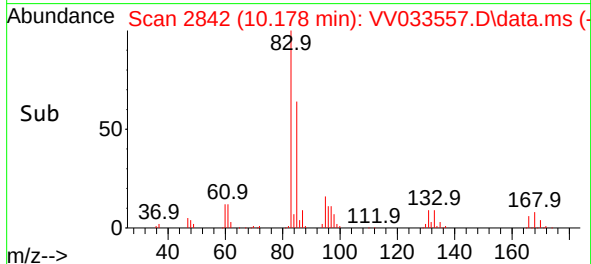
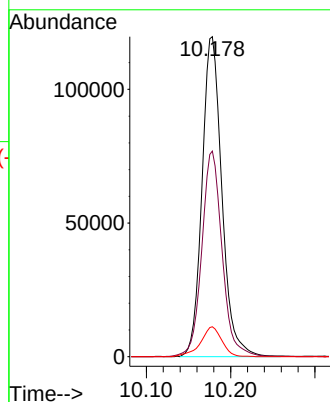
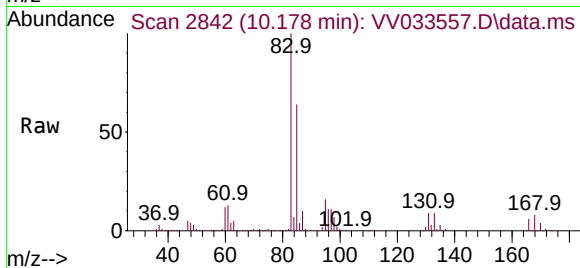




#57
1,1,2,2-Tetrachloroethane
Concen: 50.892 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

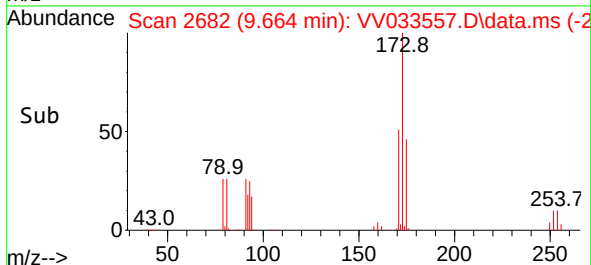
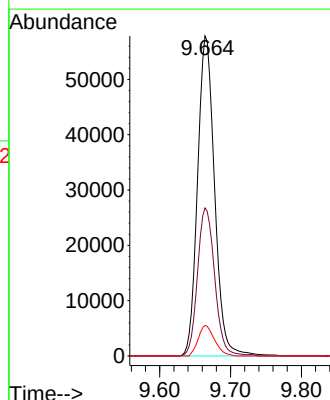
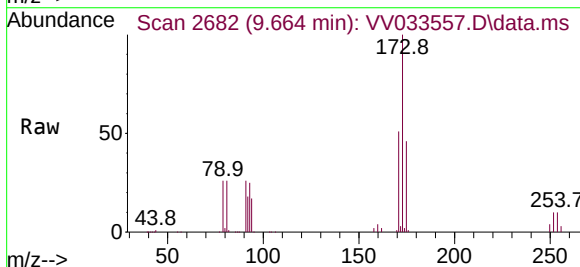
Instrument :
MSVOA_V
ClientSampleId :

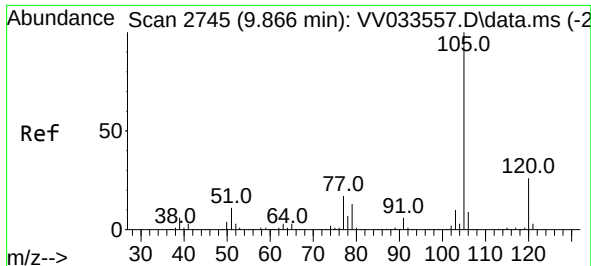
Tgt Ion: 83 Resp: 196847
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
131 9.4 7.5 11.3



#59
Bromoform
Concen: 52.493 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 173 Resp: 96618
Ion Ratio Lower Upper
173 100
175 46.5 37.2 55.8
254 9.2 7.4 11.0

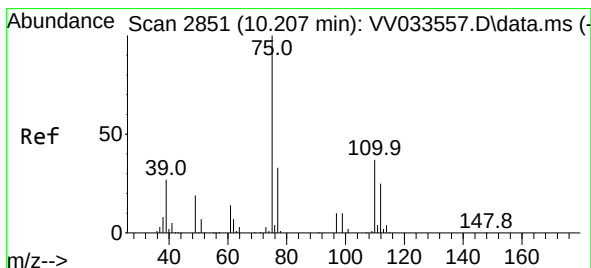
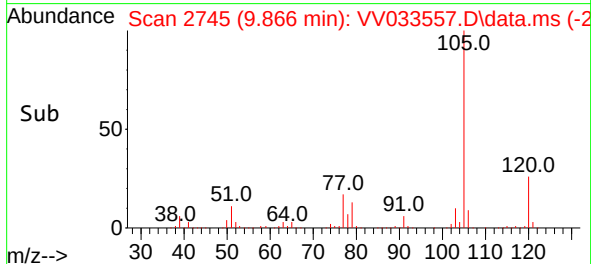
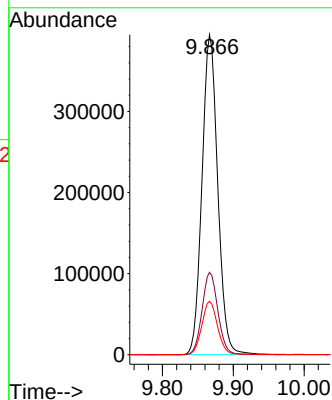
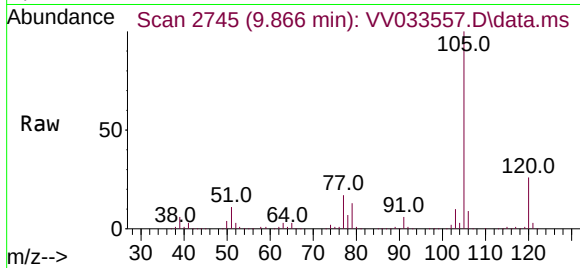




#60
Isopropylbenzene
Concen: 59.226 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

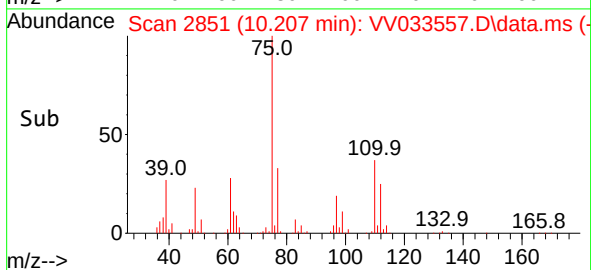
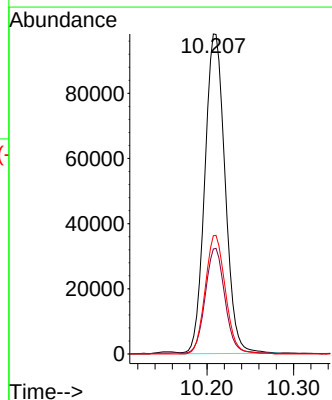
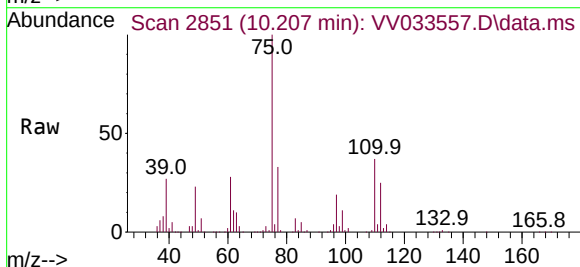
Instrument :
MSVOA_V
ClientSampleId :

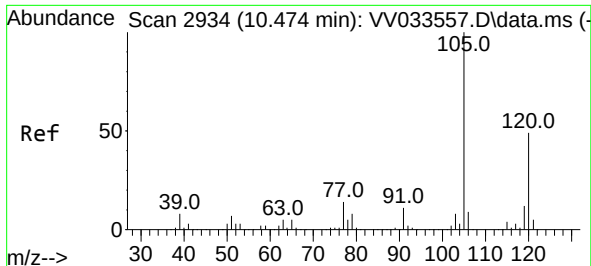
Tgt Ion:105 Resp: 608765
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.7 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 55.468 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033557.D
Acq: 10 Jan 2024 12:58

Tgt Ion: 75 Resp: 159685
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
110 36.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 64.513 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

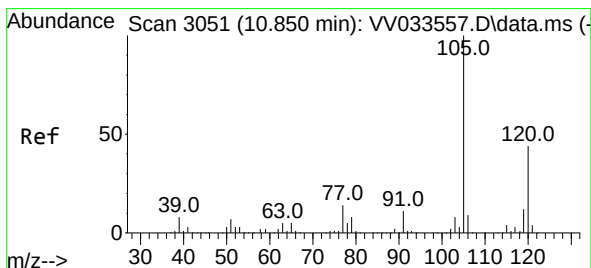
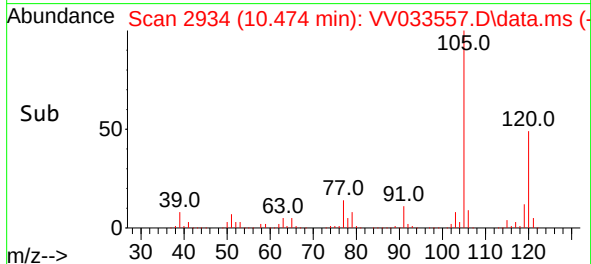
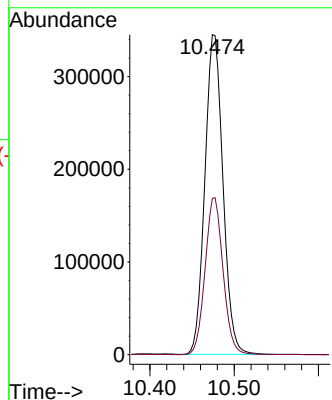
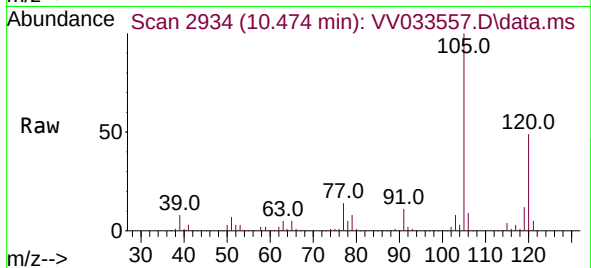
ClientSampleId :

Tgt Ion:105 Resp: 516718

Ion Ratio Lower Upper

105 100

120 48.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 63.387 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033557.D

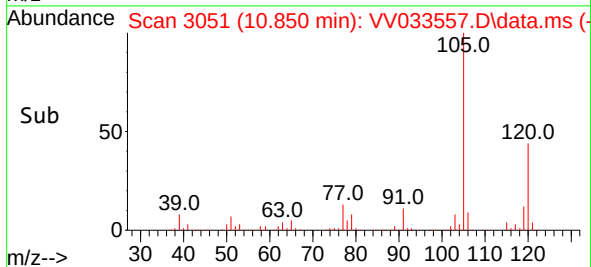
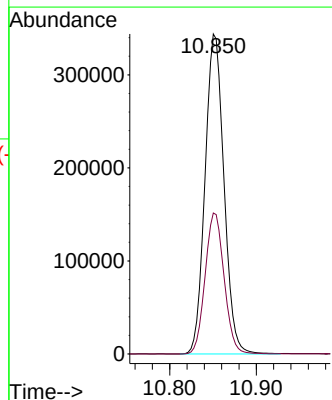
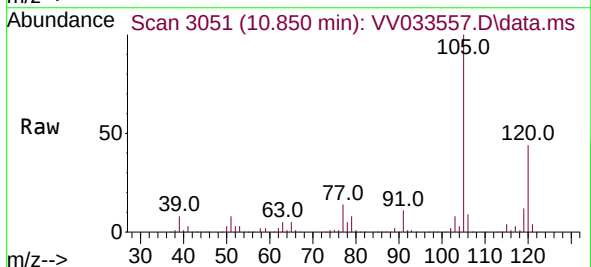
Acq: 10 Jan 2024 12:58

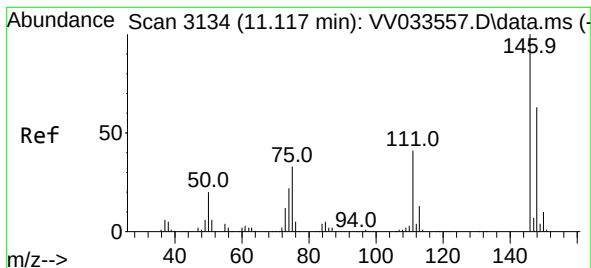
Tgt Ion:105 Resp: 521548

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 51.884 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

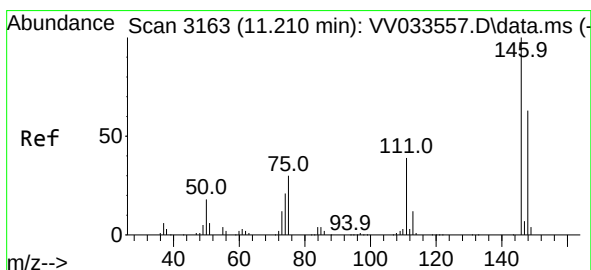
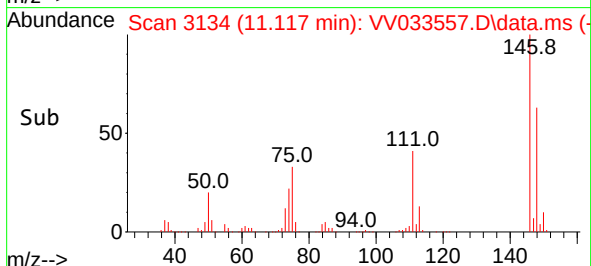
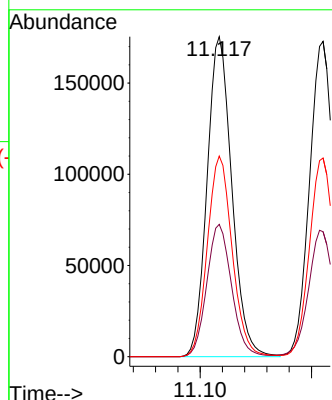
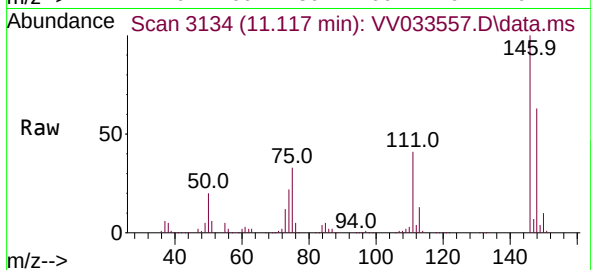
Tgt Ion:146 Resp: 270942

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.8

148 62.7 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 48.520 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

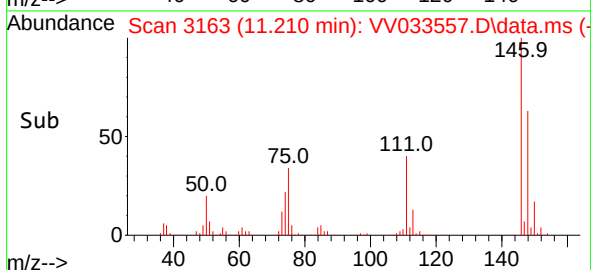
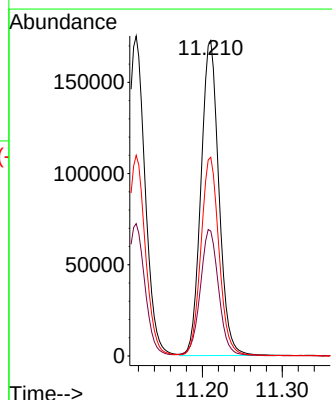
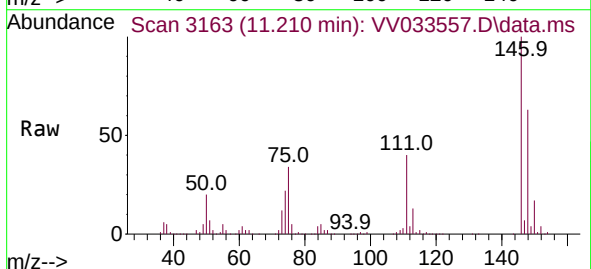
Tgt Ion:146 Resp: 270056

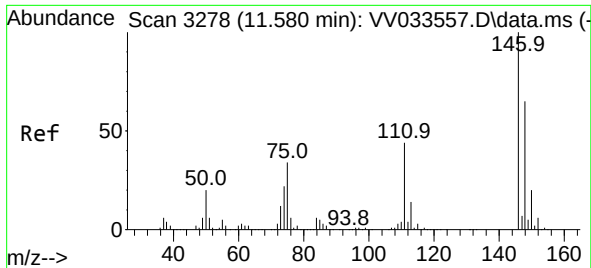
Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

148 63.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 49.159 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

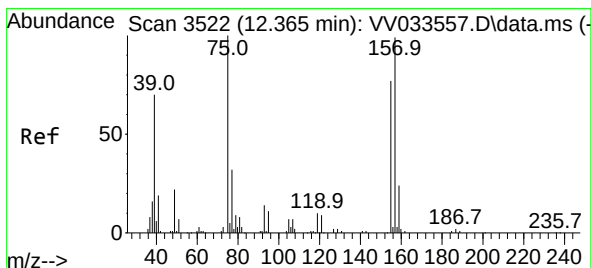
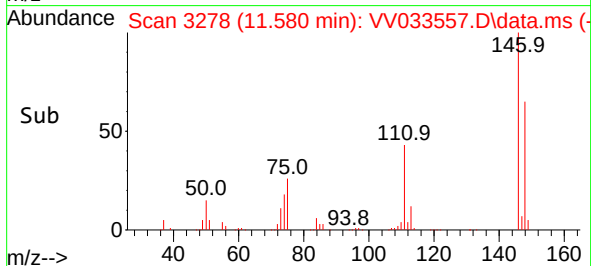
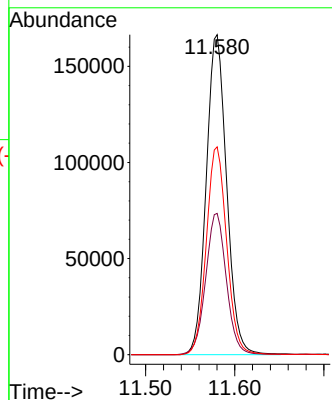
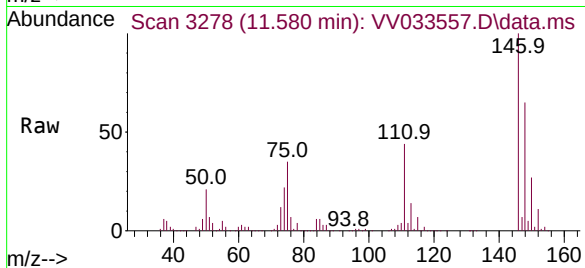
Tgt Ion:146 Resp: 264743

Ion Ratio Lower Upper

146 100

111 44.2 35.4 53.0

148 65.0 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 59.595 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

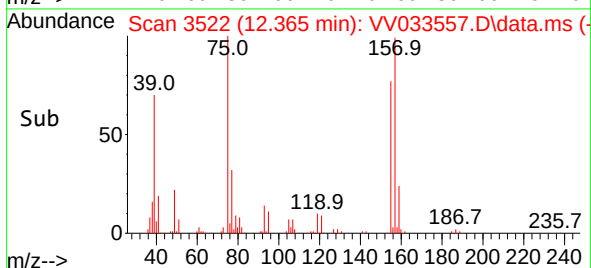
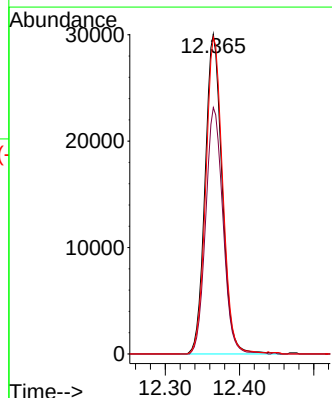
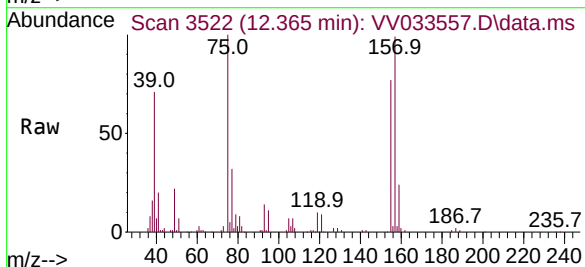
Tgt Ion: 75 Resp: 47830

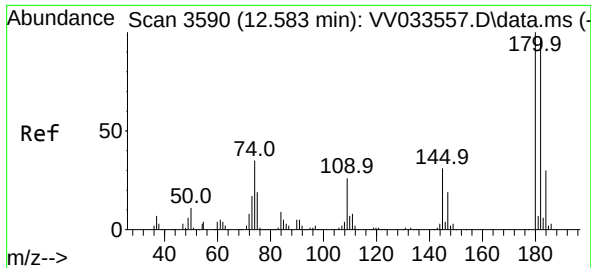
Ion Ratio Lower Upper

75 100

155 77.0 61.6 92.4

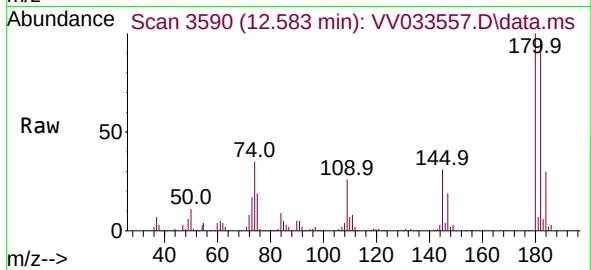
157 99.0 79.2 118.8



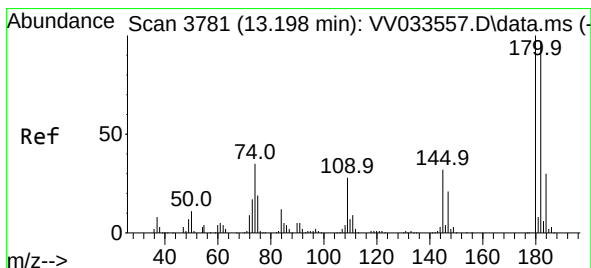
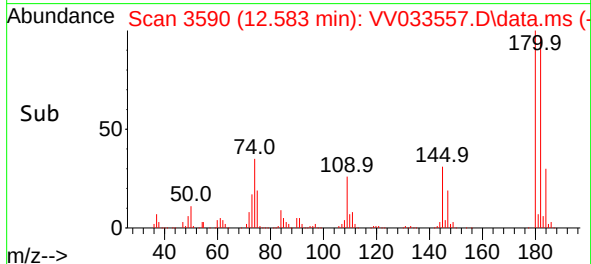
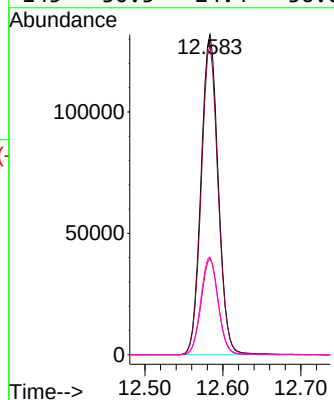


#69
 1,3,5-Trichlorobenzene
 Concen: 54.800 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

Instrument :
 MSVOA_V
 ClientSampleId :

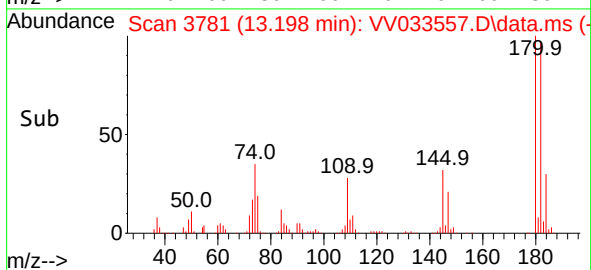
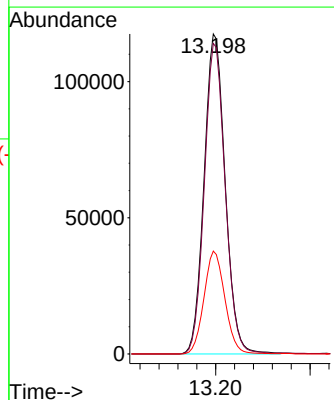
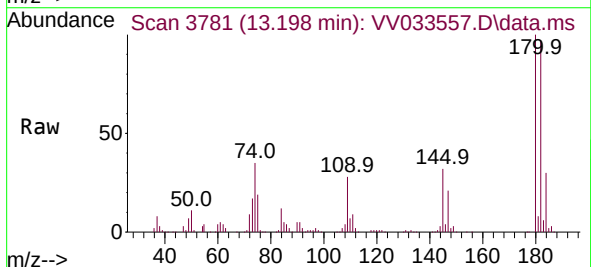


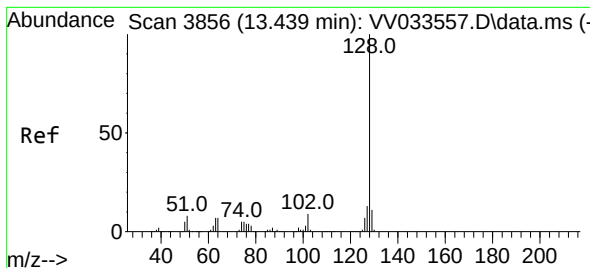
Tgt Ion:180 Resp: 202495
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 29.9 23.9 35.9
 145 30.5 24.4 36.6



#70
 1,2,4-trichlorobenzene
 Concen: 55.972 ug/L
 RT: 13.198 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033557.D
 Acq: 10 Jan 2024 12:58

Tgt Ion:180 Resp: 182561
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 31.7 25.4 38.0





#71

Naphthalene

Concen: 55.673 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Instrument :

MSVOA_V

ClientSampleId :

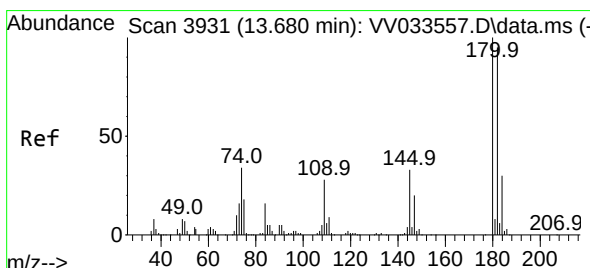
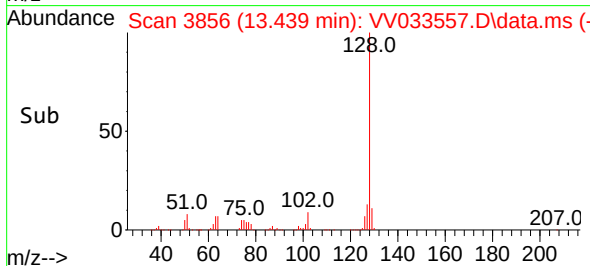
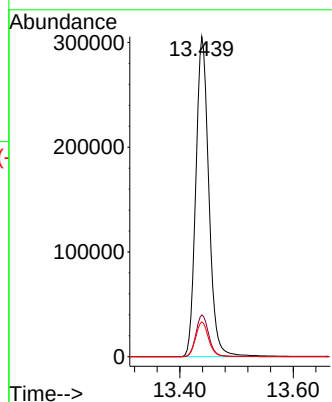
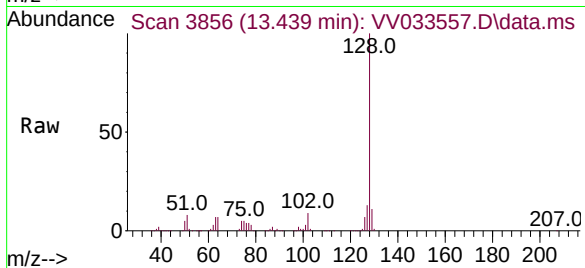
Tgt Ion:128 Resp: 486555

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 56.008 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033557.D

Acq: 10 Jan 2024 12:58

Tgt Ion:180 Resp: 174895

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.9 26.3 39.5

