

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011024\
 Data File : VV033572.D
 Acq On : 10 Jan 2024 19:53
 Operator : SY/MD
 Sample : P1059-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 11 00:54:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:32:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	327853	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311126	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	155106	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	117634	46.686	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.380%
7) Chloroethane-d5	1.526	69	91302	45.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.520%
11) 1,1-Dichloroethene-d2	2.060	65	50224	46.315	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.620%
21) 2-Butanone-d5	3.783	46	161926	93.692	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.690%
24) Chloroform-d	4.249	84	207689	46.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	4.941	65	135776	46.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
32) Benzene-d6	4.960	84	409343	46.279	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.560%
36) 1,2-Dichloropropane-d6	5.989	67	134178	46.085	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.180%
41) Toluene-d8	7.243	98	367054	46.057	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.120%
43) trans-1,3-Dichloroprop...	7.551	79	66643	46.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.620%
47) 2-Hexanone-d5	8.021	63	120321	99.629	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.630%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	169212	45.525	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.040%
66) 1,2-Dichlorobenzene-d4	11.561	152	138724	47.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	125276	45.931	ug/L	100
3) Chloromethane	1.214	50	149785	48.295	ug/L	99
5) Vinyl chloride	1.285	62	144595	48.733	ug/L	100
6) Bromomethane	1.478	94	77009	49.661	ug/L	97
8) Chloroethane	1.545	64	85894	48.549	ug/L	99
9) Trichlorofluoromethane	1.712	101	174742	49.353	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	101995	48.895	ug/L	99
12) 1,1-Dichloroethene	2.069	96	98390	50.005	ug/L	97
13) Acetone	2.108	43	285832	172.975	ug/L	99
14) Carbon disulfide	2.240	76	327556	48.980	ug/L	100
15) Methyl Acetate	2.368	43	130643	48.348	ug/L #	100
16) Methylene chloride	2.445	84	115334	48.049	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	106861	48.619	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	398789	50.448	ug/L	100
19) 1,1-Dichloroethane	3.111	63	239947	53.399	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	123261	50.389	ug/L	99
22) 2-Butanone	3.860	43	224295	111.759	ug/L	96
23) Bromochloromethane	4.146	128	58783	49.466	ug/L	95
25) Chloroform	4.275	83	213100	50.019	ug/L	100

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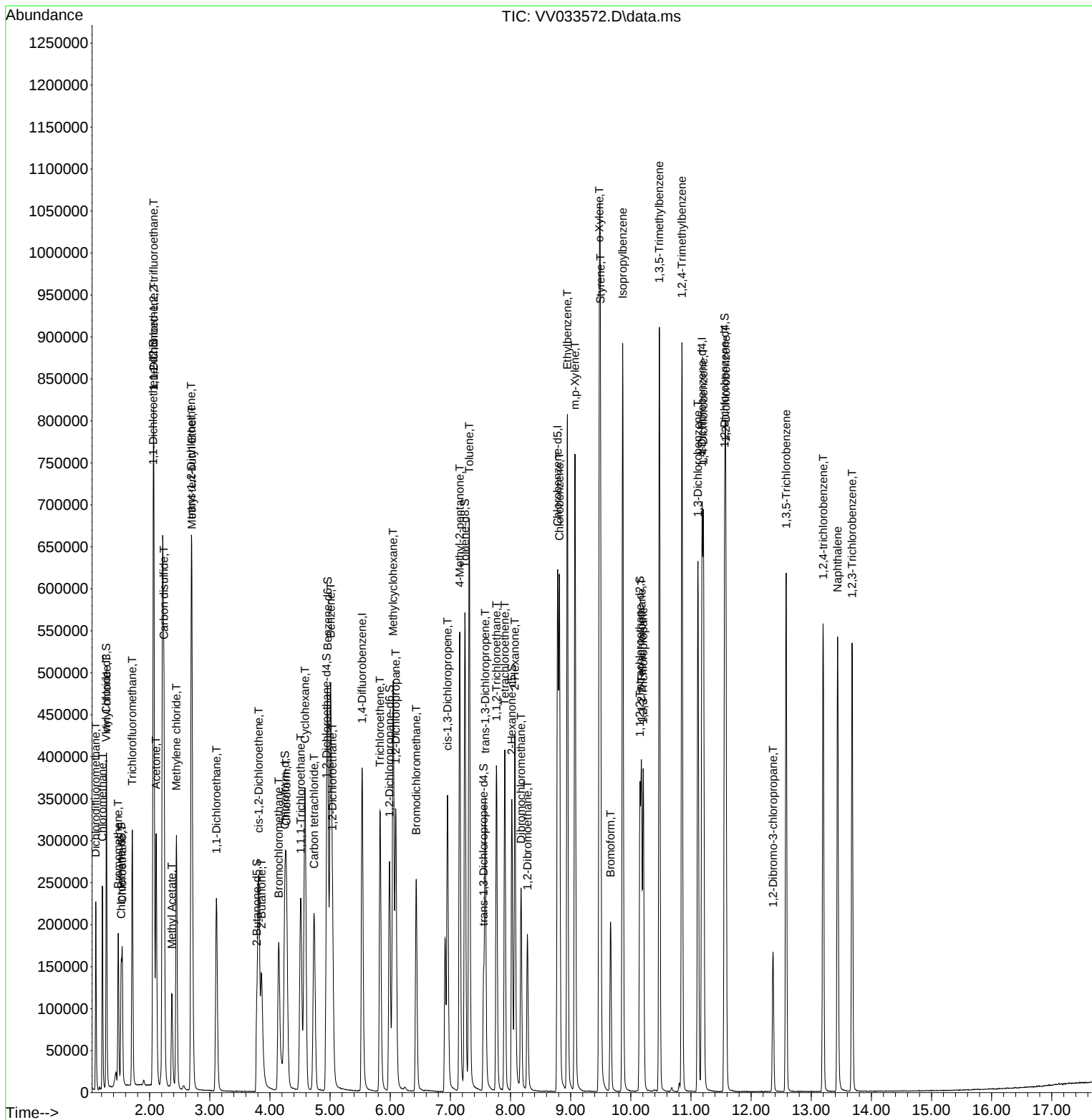
Instrument :
 MSVOA_V
 ClientSampleId :

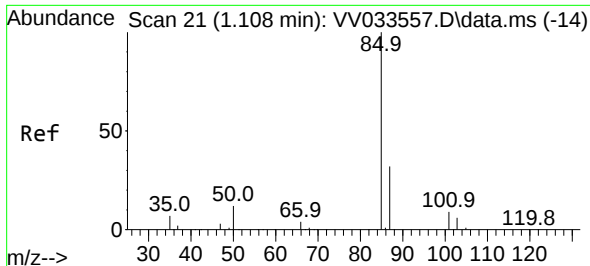
Quant Time: Jan 11 00:54:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:32:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	181311	50.952	ug/L	100
29) Cyclohexane	4.584	56	218224	49.753	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	188561	50.503	ug/L	100
31) Carbon tetrachloride	4.735	117	160553	50.378	ug/L	100
33) Benzene	5.011	78	463195	50.688	ug/L	100
34) Trichloroethene	5.831	95	119939	48.929	ug/L	98
35) Methylcyclohexane	6.050	83	202489	48.268	ug/L	99
37) 1,2-Dichloropropane	6.092	63	128238	50.996	ug/L	99
38) Bromodichloromethane	6.432	83	166307	50.555	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	211752	50.426	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	382103	102.549	ug/L	100
42) Toluene	7.313	91	481866	49.883	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	196148	50.688	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	115328	50.546	ug/L	97
46) Tetrachloroethene	7.905	164	86639	48.187	ug/L	98
48) 2-Hexanone	8.072	43	277248	93.381	ug/L	99
49) Dibromochloromethane	8.175	129	119696	50.370	ug/L	100
50) 1,2-Dibromoethane	8.281	107	121969	50.585	ug/L	99
51) Chlorobenzene	8.815	112	303329	49.296	ug/L	99
52) Ethylbenzene	8.947	91	551501	49.292	ug/L	99
53) m,p-Xylene	9.072	106	203220	49.199	ug/L	99
54) o-Xylene	9.477	106	204115	49.914	ug/L	99
55) Styrene	9.497	104	348253	49.326	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	183675	50.584	ug/L	99
59) Bromoform	9.664	173	87172	52.879	ug/L	98
60) Isopropylbenzene	9.866	105	548721	52.288	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	146219	53.118	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	464640	51.603	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	468911	52.266	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	239653	50.557	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	239983	50.491	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	239026	51.606	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	42765	53.836	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	173752	49.603	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	155679	48.966	ug/L	99
71) Naphthalene	13.439	128	410781	49.445	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	147934	49.851	ug/L	99

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

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QLast Update : Thu Jan 11 00:32:34 2024
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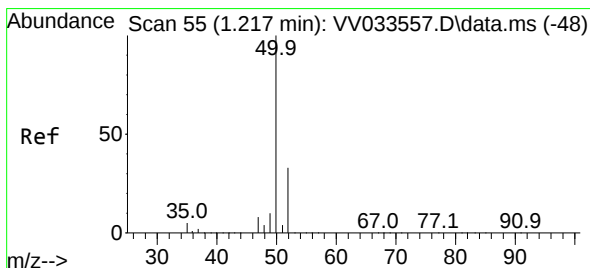
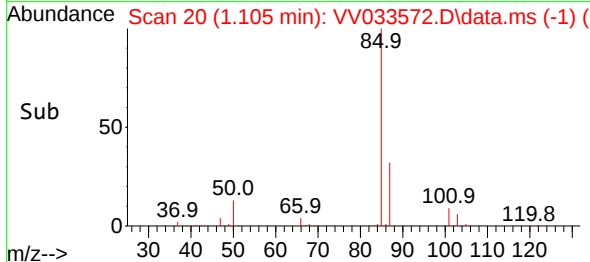
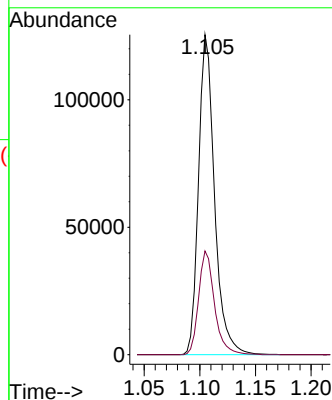
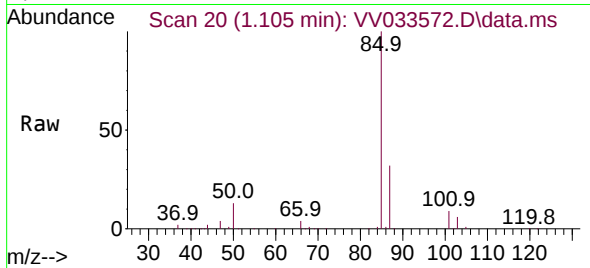




#2
Dichlorodifluoromethane
Concen: 45.931 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

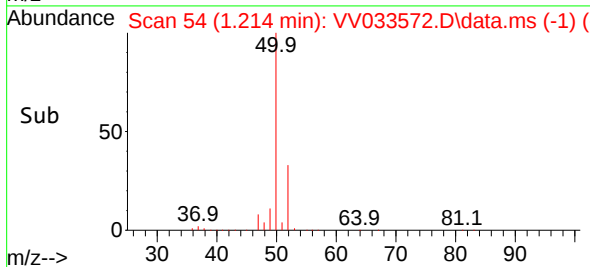
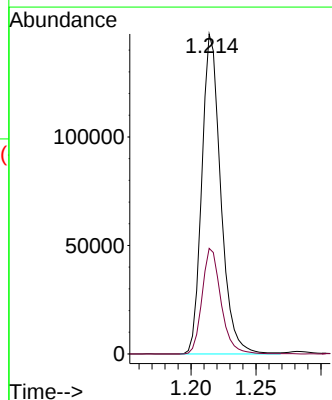
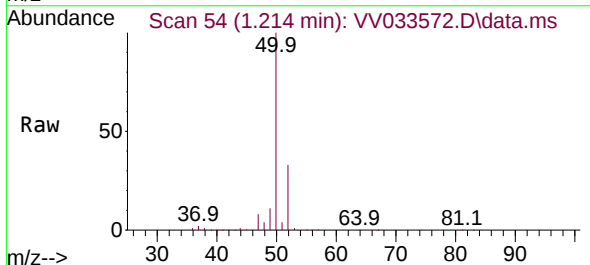
Instrument :
MSVOA_V
ClientSampleId :

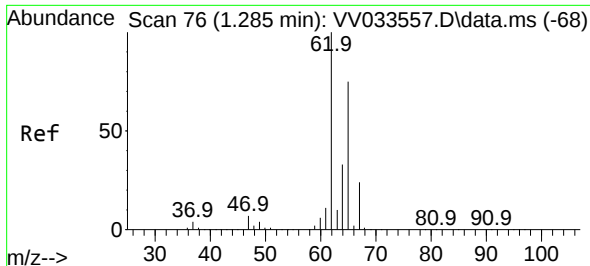
Tgt Ion: 85 Resp: 125276
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.6



#3
Chloromethane
Concen: 48.295 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 50 Resp: 149785
Ion Ratio Lower Upper
50 100
52 33.0 22.8 42.4





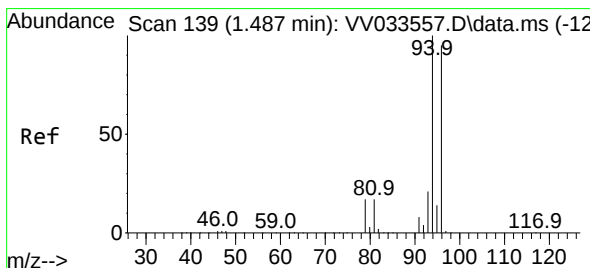
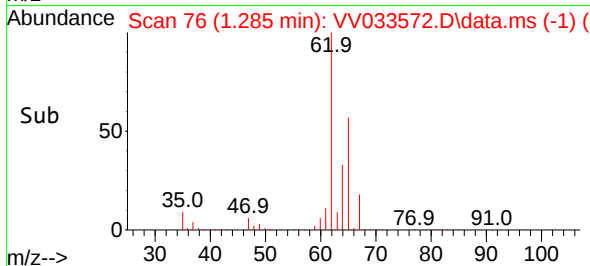
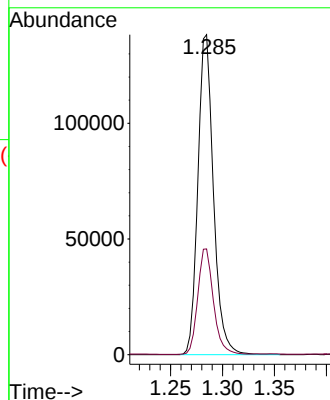
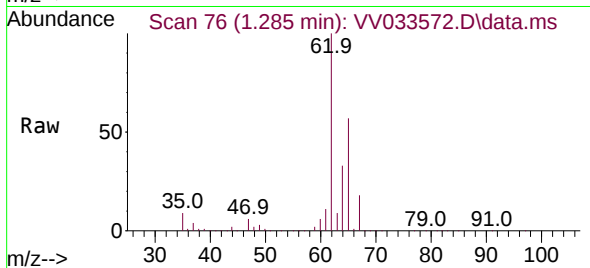
#5
 Vinyl chloride
 Concen: 48.733 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV033572.D
 Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

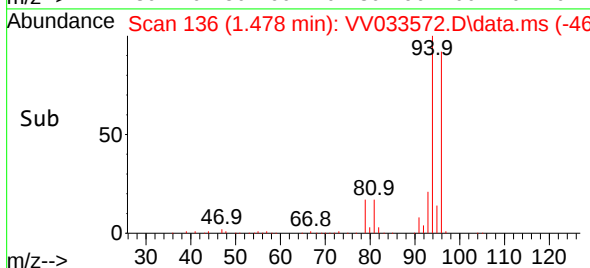
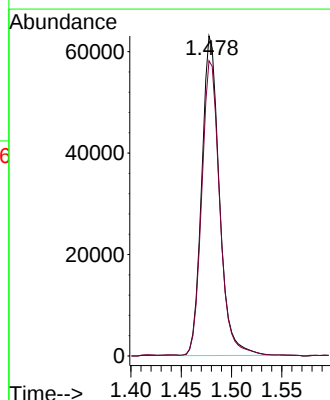
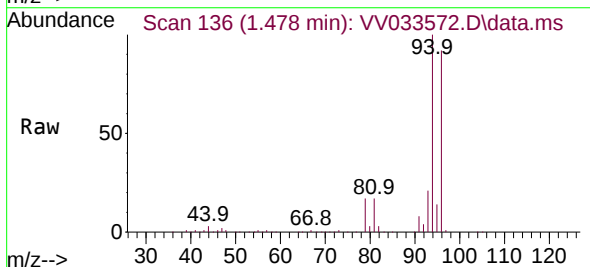
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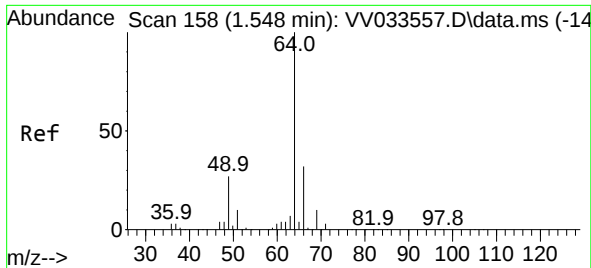
Tgt Ion: 62 Resp: 144595
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 49.661 ug/L
 RT: 1.478 min Scan# 136
 Delta R.T. -0.010 min
 Lab File: VV033572.D
 Acq: 10 Jan 2024 19:53

Tgt Ion: 94 Resp: 77009
 Ion Ratio Lower Upper
 94 100
 96 92.3 66.4 123.2





#8

Chloroethane

Concen: 48.549 ug/L

RT: 1.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

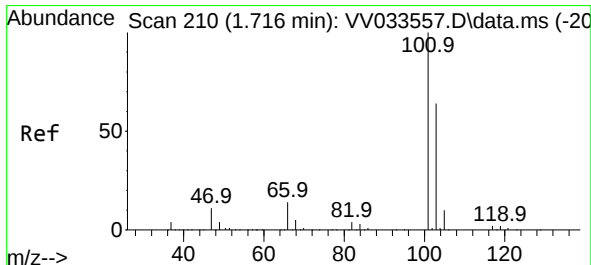
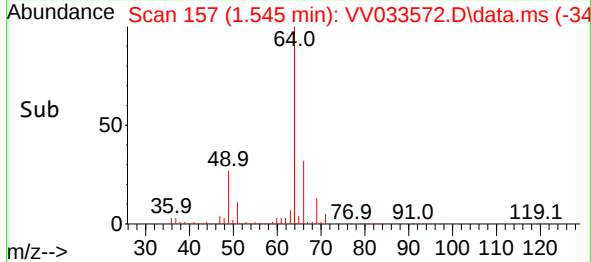
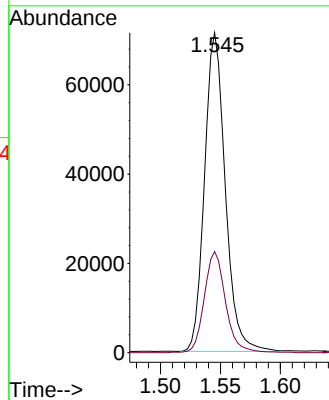
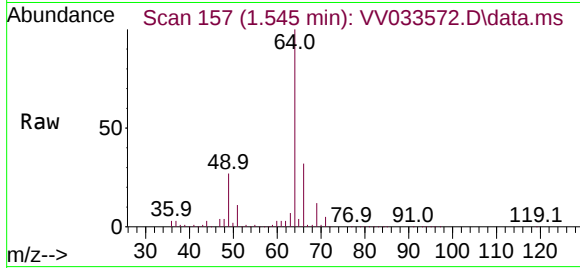
ClientSampleId :

Tgt Ion: 64 Resp: 85894

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 49.353 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.003 min

Lab File: VV033572.D

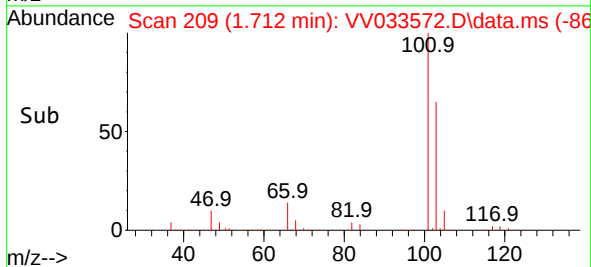
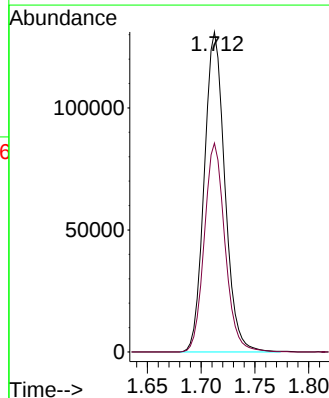
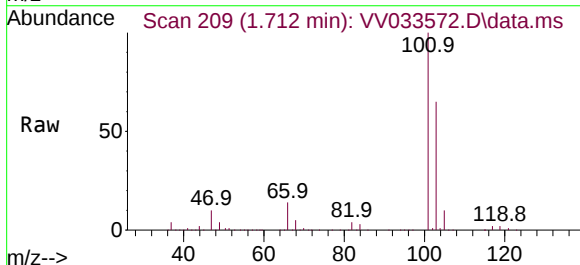
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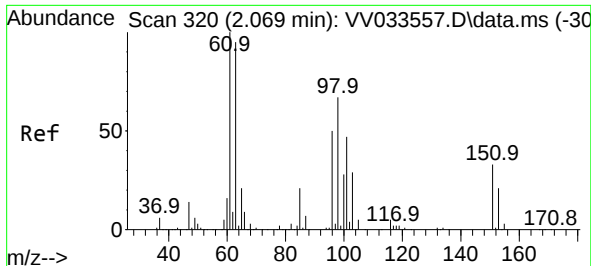
Tgt Ion:101 Resp: 174742

Ion Ratio Lower Upper

101 100

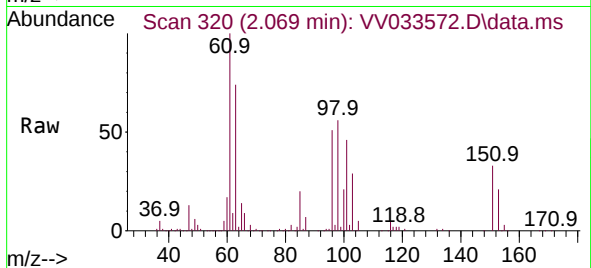
103 65.4 51.3 76.9



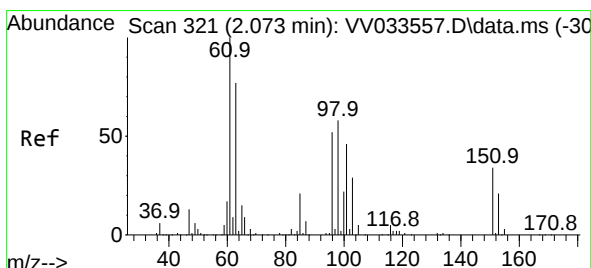
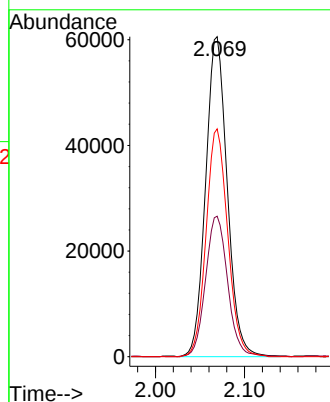
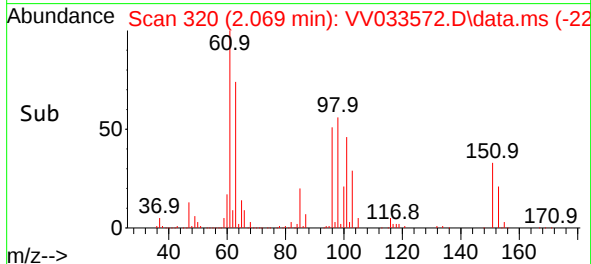


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.895 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033572.D
 Acq: 10 Jan 2024 19:53

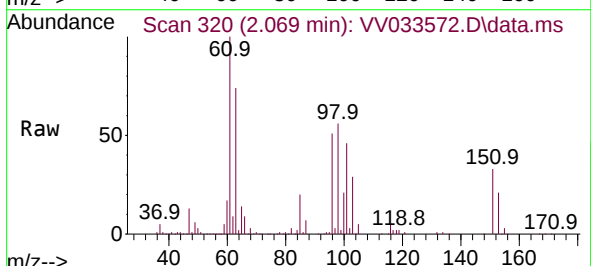
Instrument :
 MSVOA_V
 ClientSampleId :



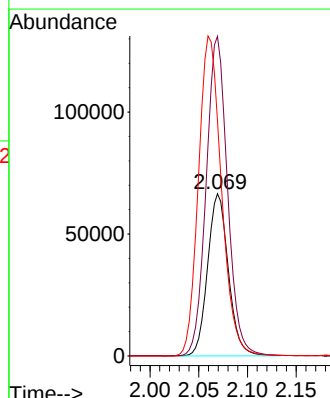
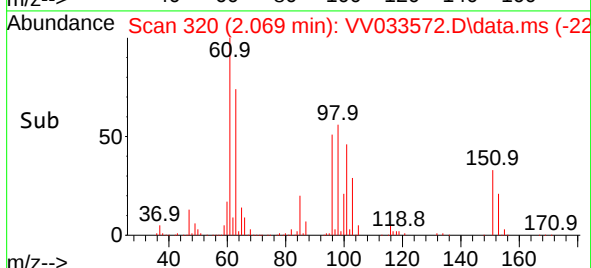
Tgt Ion:101 Resp: 101995
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.2 54.4
 151 71.2 56.5 84.7

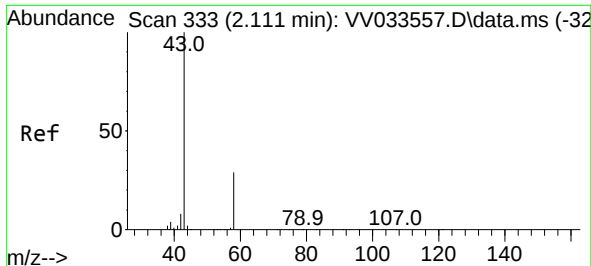


#12
 1,1-Dichloroethene
 Concen: 50.005 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033572.D
 Acq: 10 Jan 2024 19:53



Tgt Ion: 96 Resp: 98390
 Ion Ratio Lower Upper
 96 100
 61 197.1 134.0 248.8
 63 145.1 103.4 192.0





#13

Acetone

Concen: 172.975 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

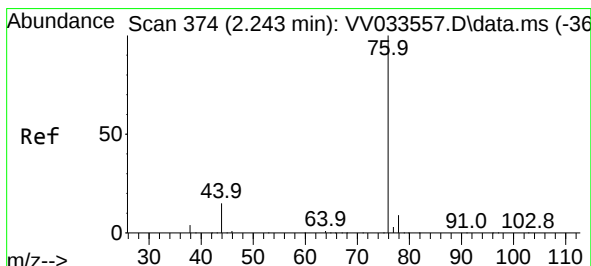
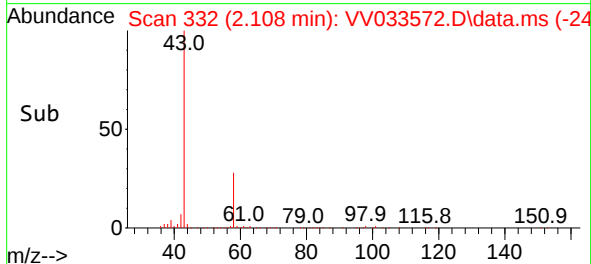
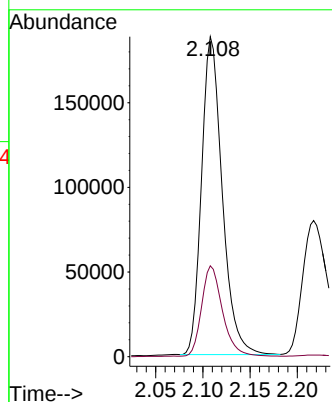
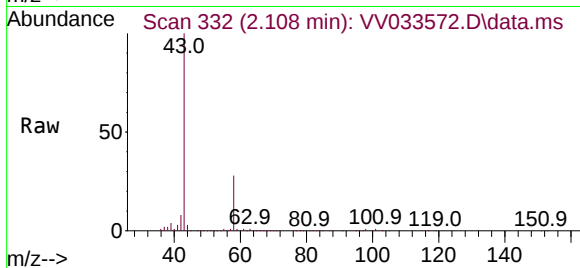
ClientSampleId :

Tgt Ion: 43 Resp: 285832

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#14

Carbon disulfide

Concen: 48.980 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033572.D

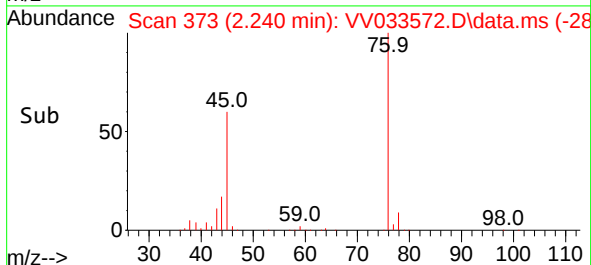
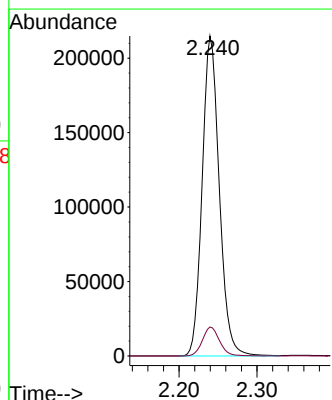
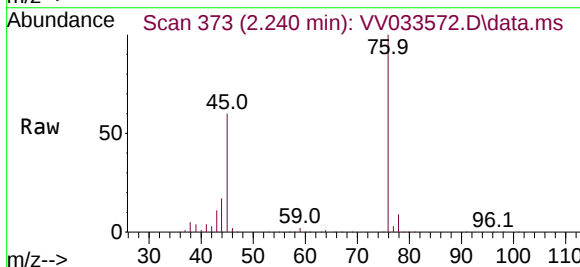
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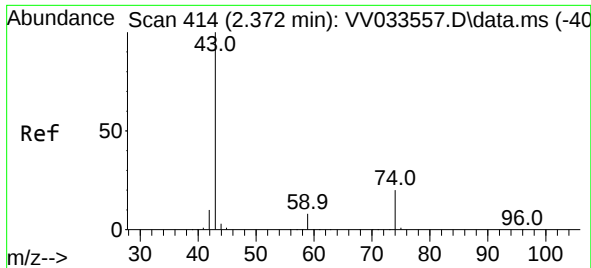
Tgt Ion: 76 Resp: 327556

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

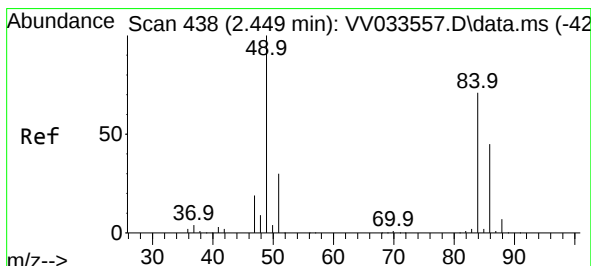
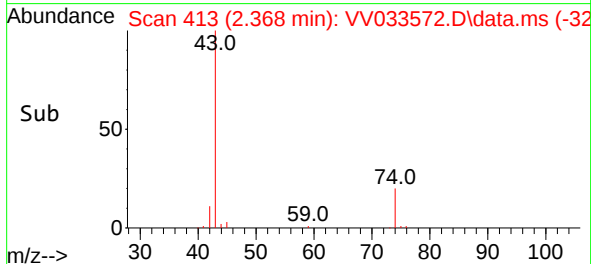
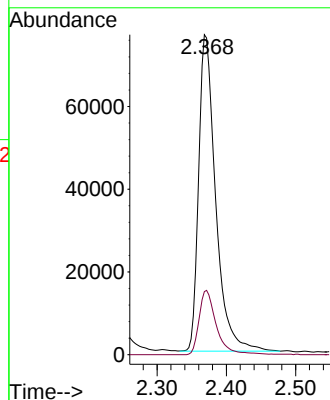
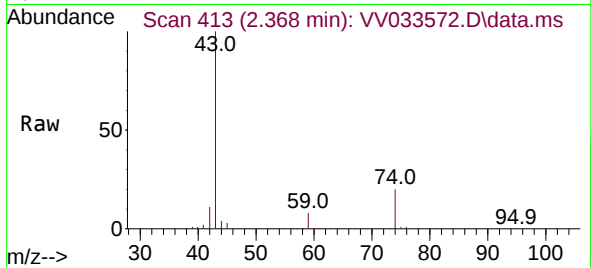




#15
Methyl Acetate
Concen: 48.348 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

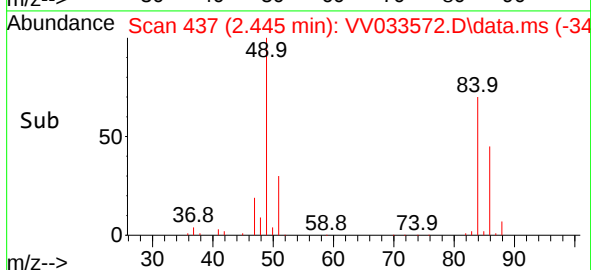
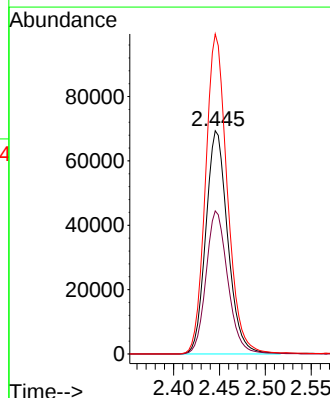
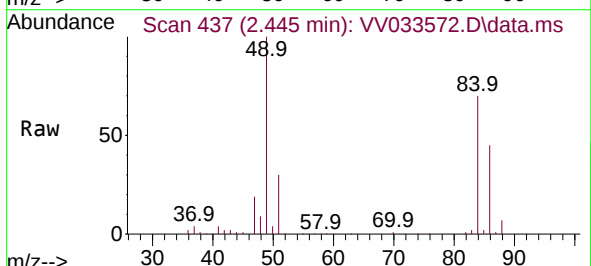
Instrument :
MSVOA_V
ClientSampleId :

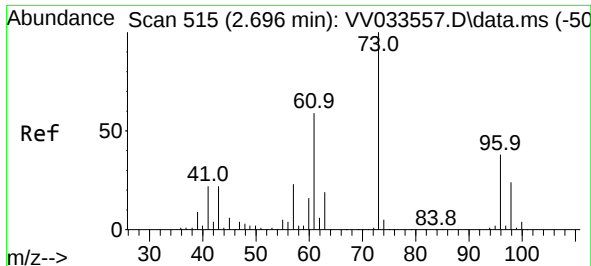
Tgt Ion: 43 Resp: 130643
Ion Ratio Lower Upper
43 100
74 20.6 0.0 0.0#



#16
Methylene chloride
Concen: 48.049 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 84 Resp: 115334
Ion Ratio Lower Upper
84 100
86 64.1 43.9 81.5
49 143.3 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 48.619 ug/L

RT: 2.693 min Scan# 515

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

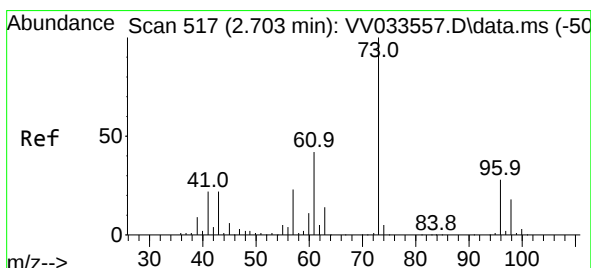
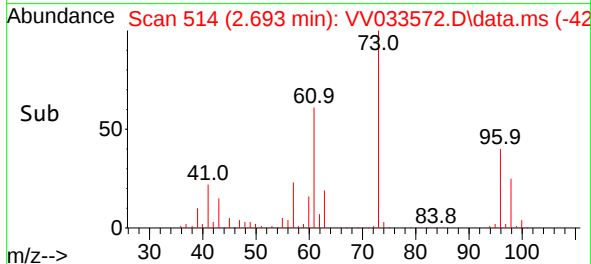
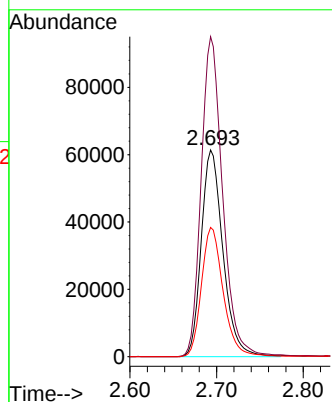
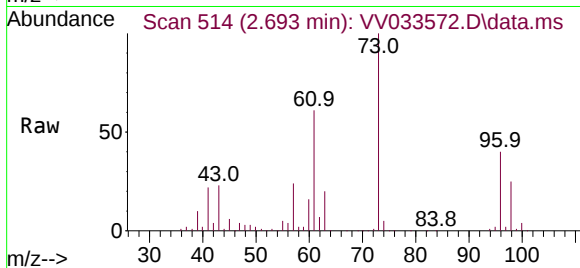
Tgt Ion: 96 Resp: 106861

Ion Ratio Lower Upper

96 100

61 154.8 108.4 201.4

98 62.5 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 50.448 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

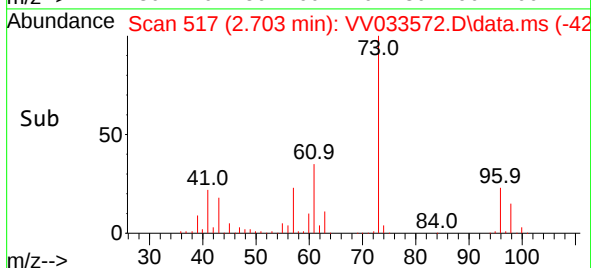
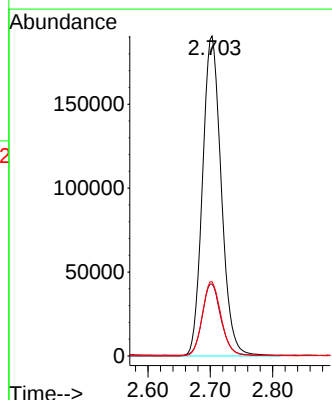
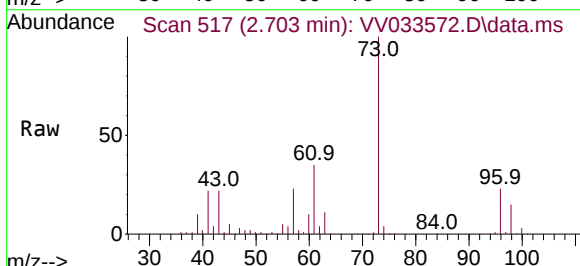
Tgt Ion: 73 Resp: 398789

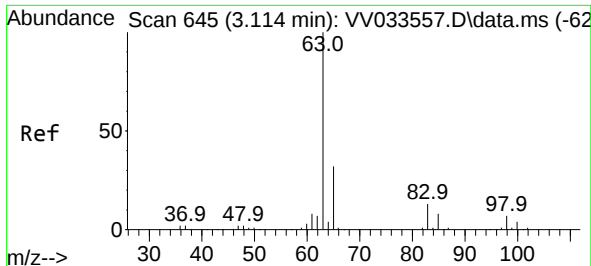
Ion Ratio Lower Upper

73 100

43 22.0 17.4 26.2

57 23.1 18.6 27.8





#19

1,1-Dichloroethane

Concen: 53.399 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

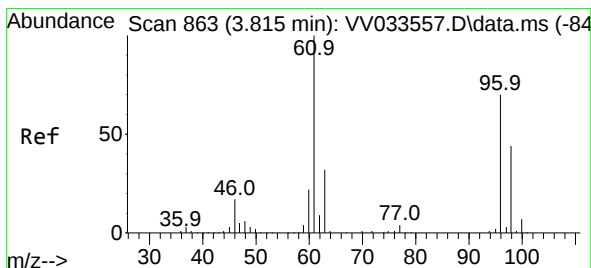
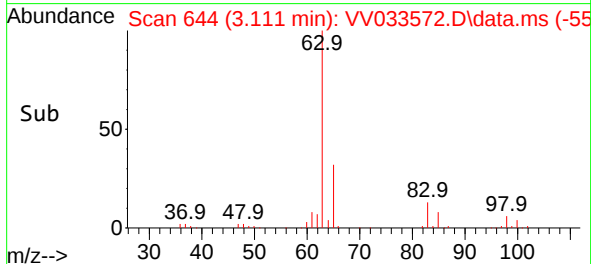
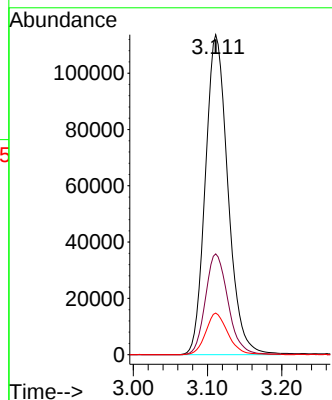
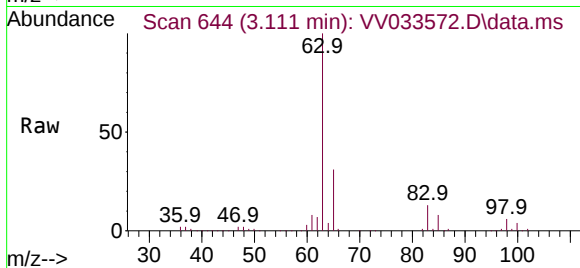
Tgt Ion: 63 Resp: 239947

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 13.0 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 50.389 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

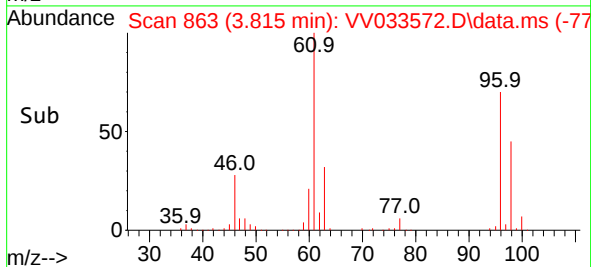
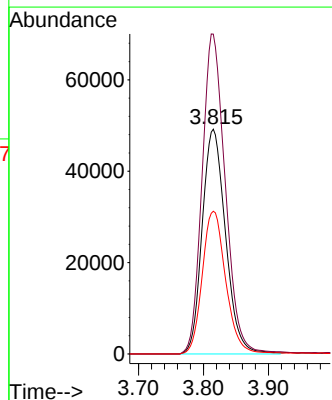
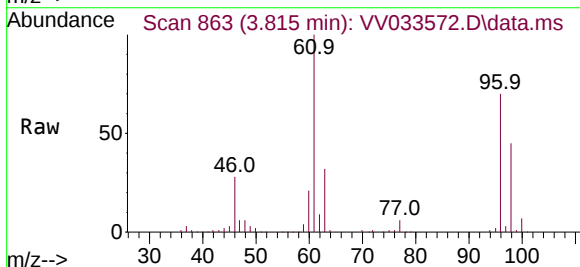
Tgt Ion: 96 Resp: 123261

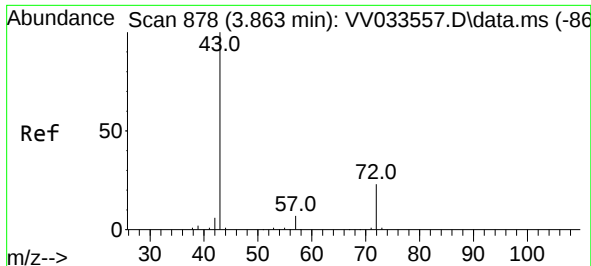
Ion Ratio Lower Upper

96 100

61 142.3 100.6 186.8

98 63.5 44.6 82.8

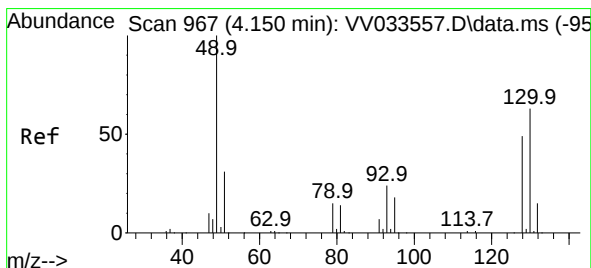
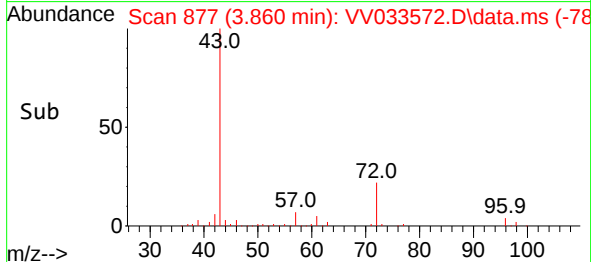
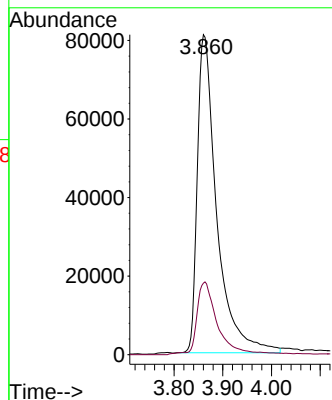
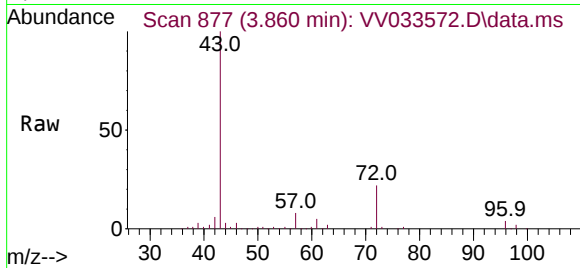




#22
2-Butanone
Concen: 111.759 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

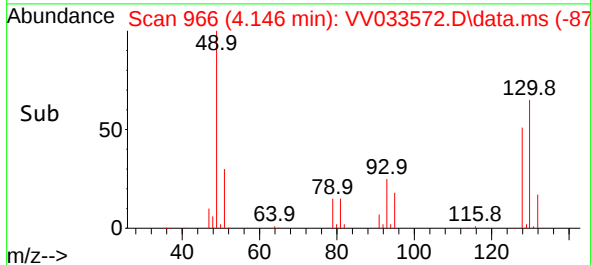
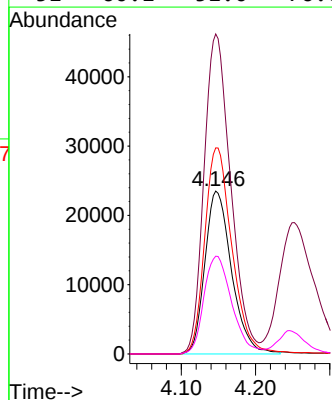
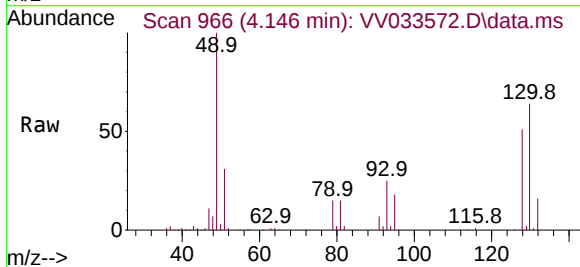
Instrument :
MSVOA_V
ClientSampleId :

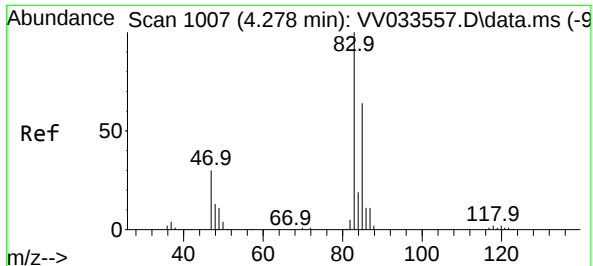
Tgt Ion: 43 Resp: 224295
Ion Ratio Lower Upper
43 100
72 21.9 11.9 35.5



#23
Bromochloromethane
Concen: 49.466 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion:128 Resp: 58783
Ion Ratio Lower Upper
128 100
49 196.5 143.9 267.2
130 126.5 90.6 168.2
51 60.1 51.0 76.6

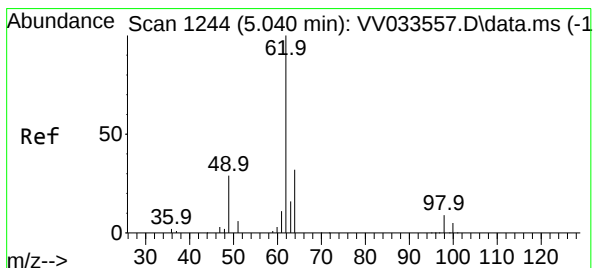
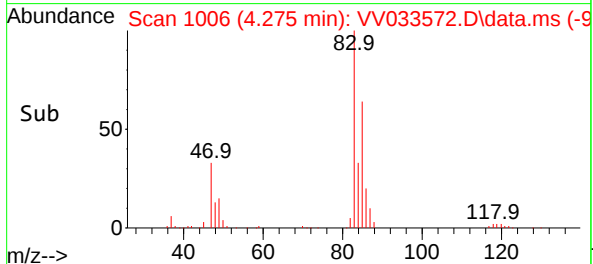
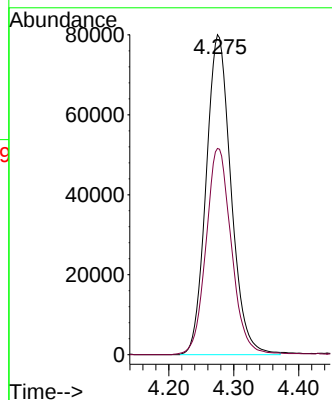
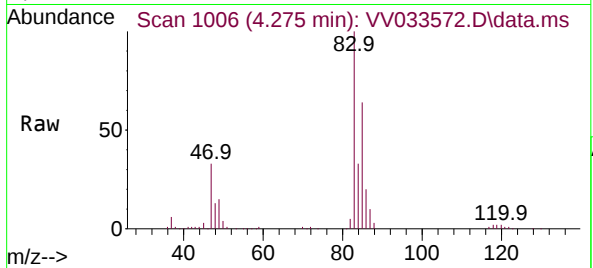




#25
Chloroform
Concen: 50.019 ug/L
RT: 4.275 min Scan# 1007
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

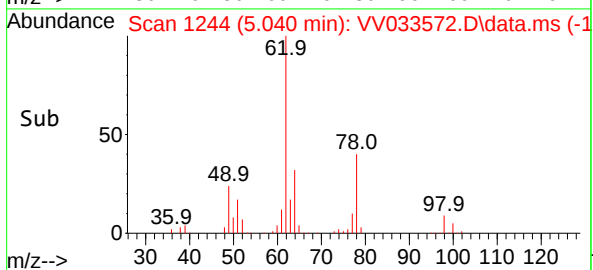
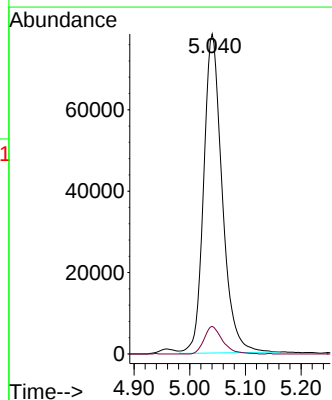
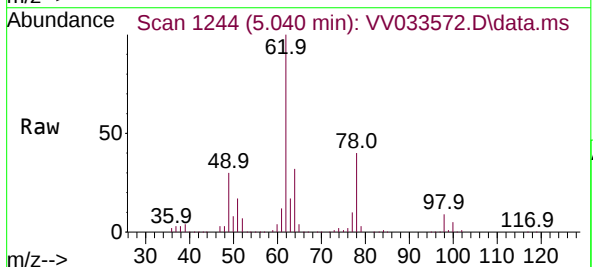
Instrument :
MSVOA_V
ClientSampleId :

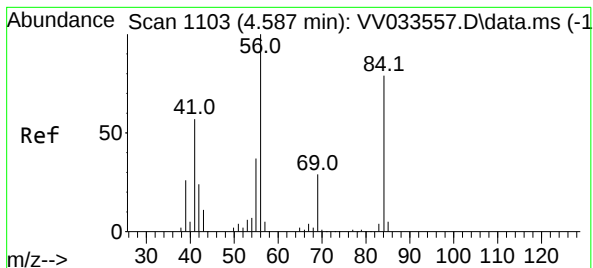
Tgt Ion: 83 Resp: 213100
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.952 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 62 Resp: 181311
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 49.753 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

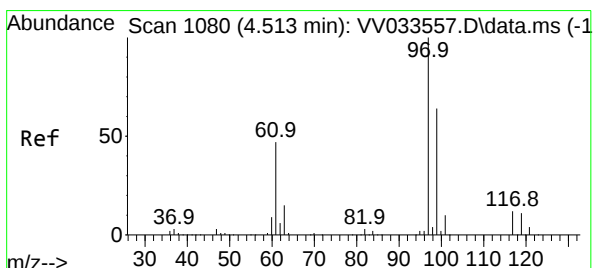
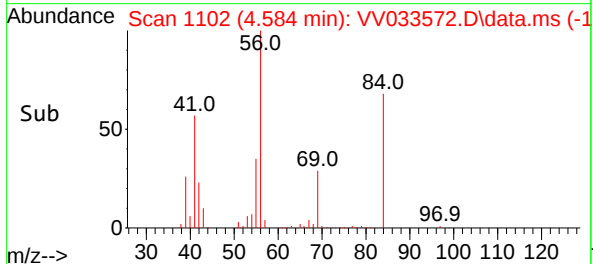
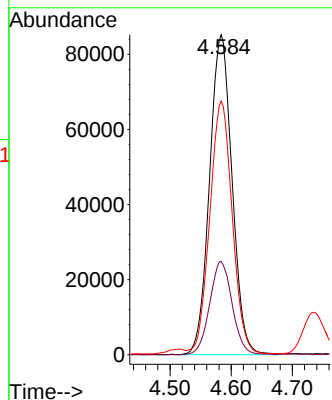
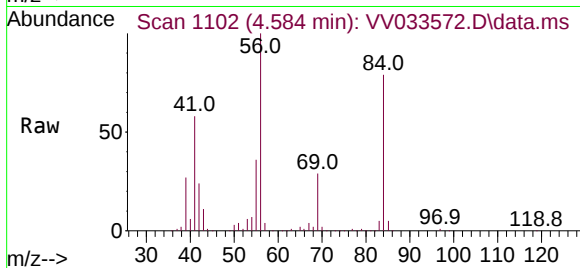
Tgt Ion: 56 Resp: 218224

Ion Ratio Lower Upper

56 100

69 29.0 23.8 35.6

84 78.3 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 50.503 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

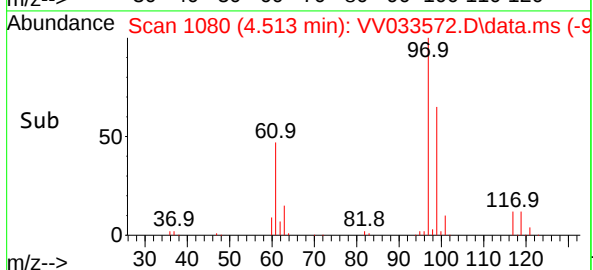
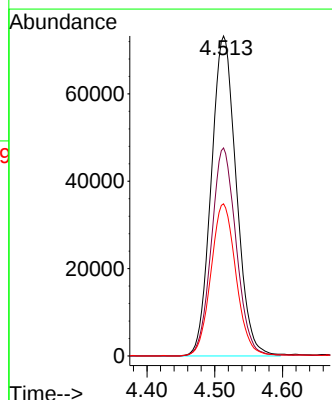
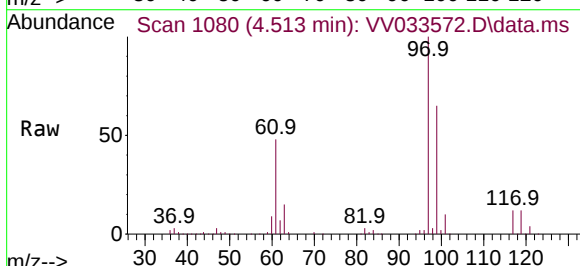
Tgt Ion: 97 Resp: 188561

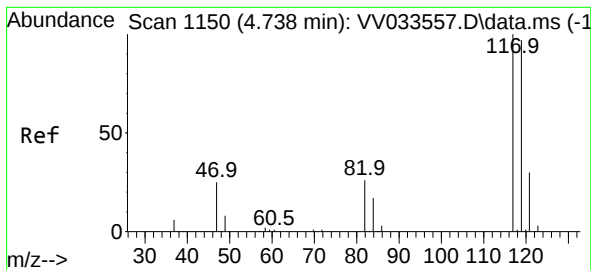
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 47.6 38.2 57.2

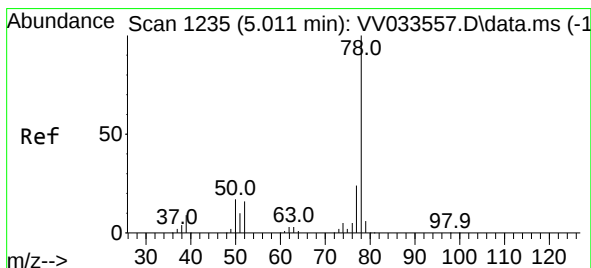
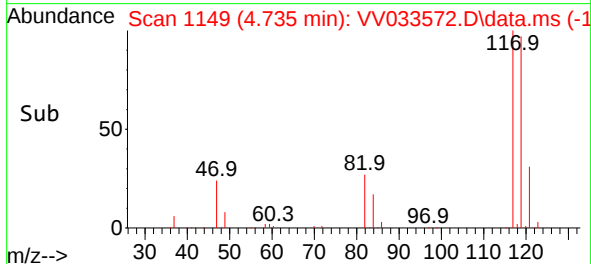
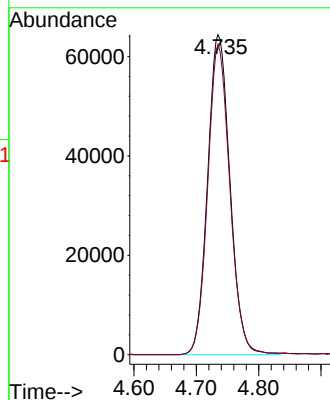
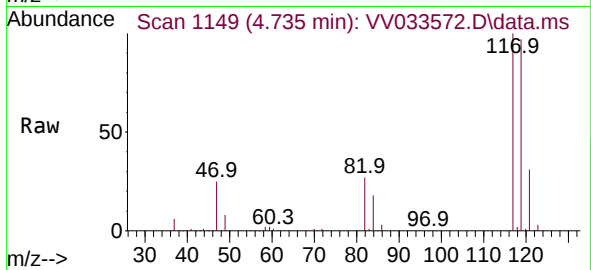




#31
Carbon tetrachloride
Concen: 50.378 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

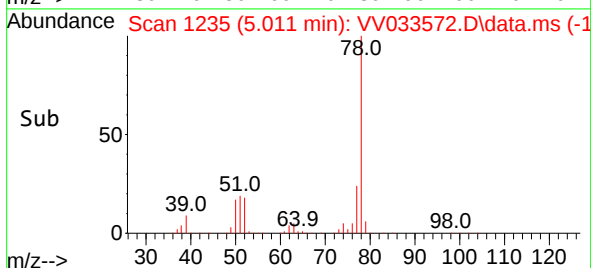
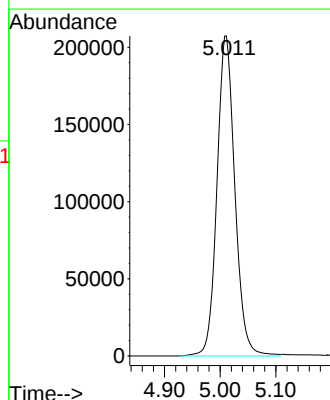
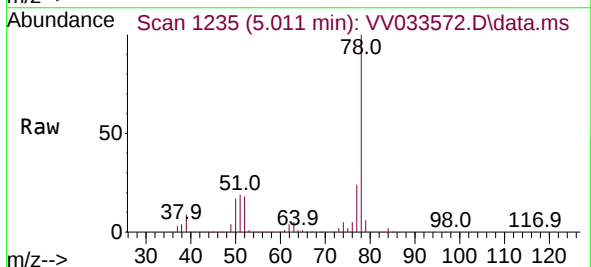
Instrument :
MSVOA_V
ClientSampleId :

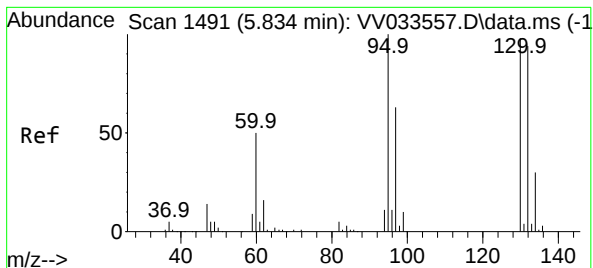
Tgt Ion:117 Resp: 160553
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4



#33
Benzene
Concen: 50.688 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 78 Resp: 463195





#34

Trichloroethene

Concen: 48.929 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 119939

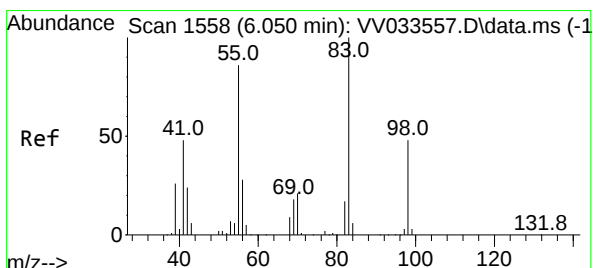
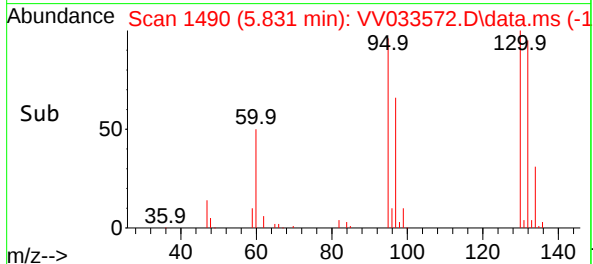
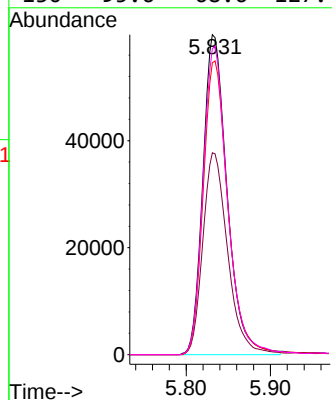
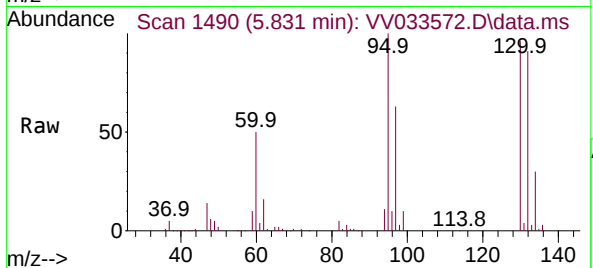
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.4

132 91.2 65.5 121.7

130 95.6 68.6 127.4



#35

Methylcyclohexane

Concen: 48.268 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

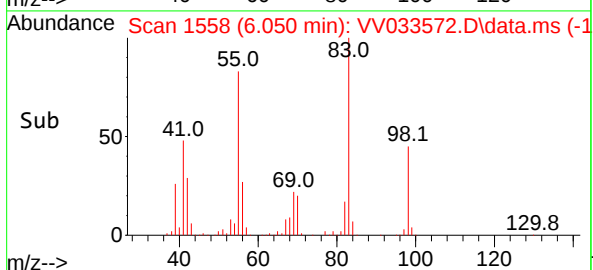
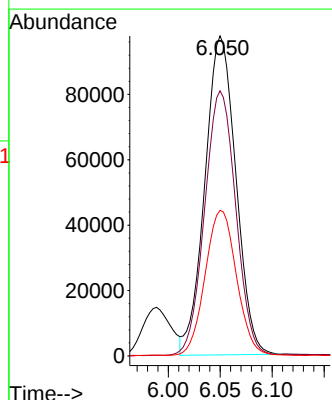
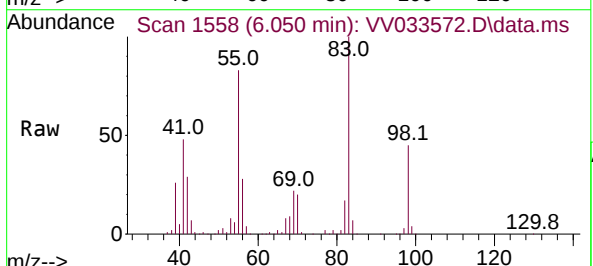
Tgt Ion: 83 Resp: 202489

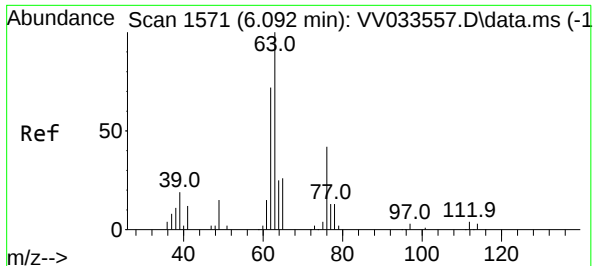
Ion Ratio Lower Upper

83 100

55 83.2 67.1 100.7

98 46.3 37.7 56.5

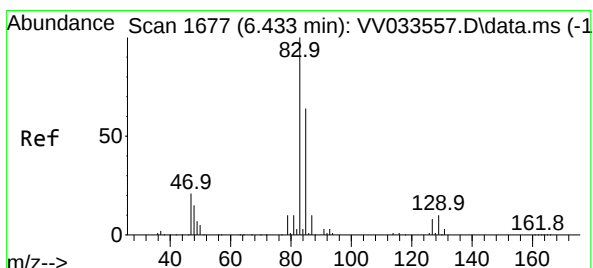
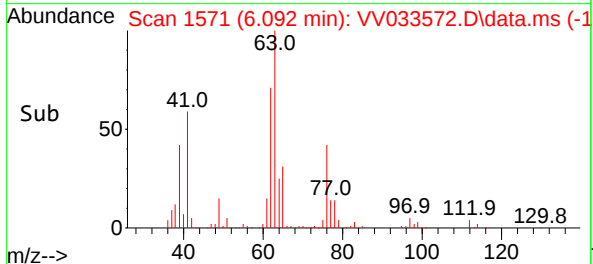
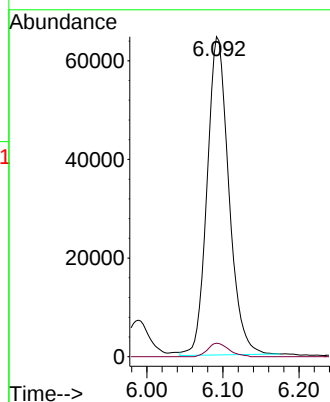
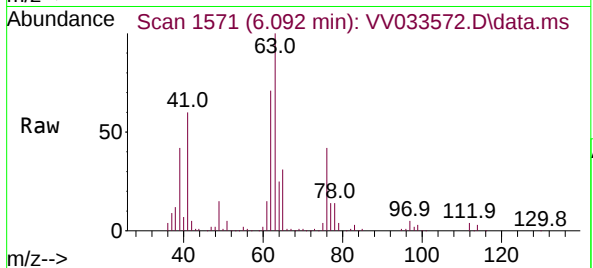




#37
1,2-Dichloropropane
Concen: 50.996 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

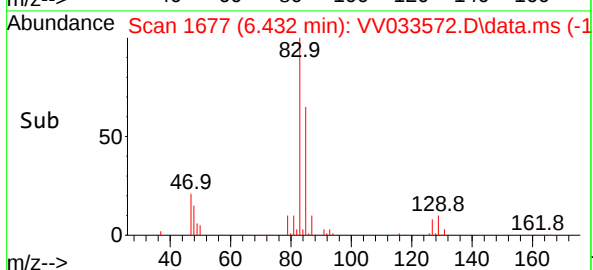
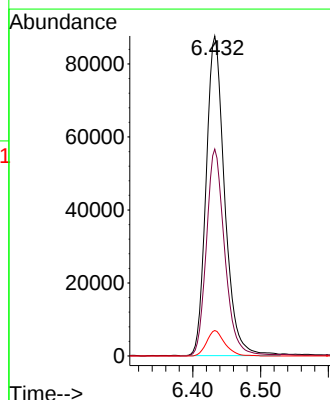
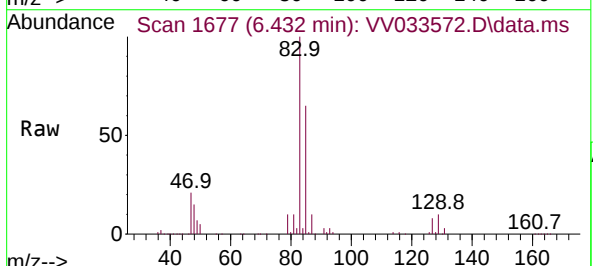
Instrument :
MSVOA_V
ClientSampleId :

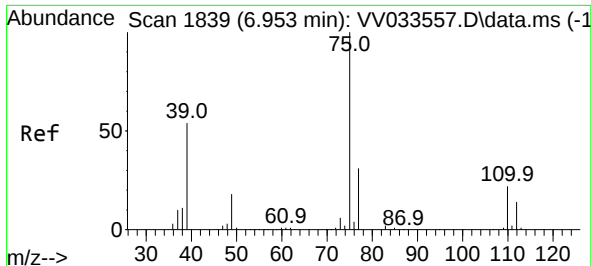
Tgt Ion: 63 Resp: 128238
Ion Ratio Lower Upper
63 100
112 4.1 3.1 4.7



#38
Bromodichloromethane
Concen: 50.555 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 83 Resp: 166307
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.7
127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.426 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

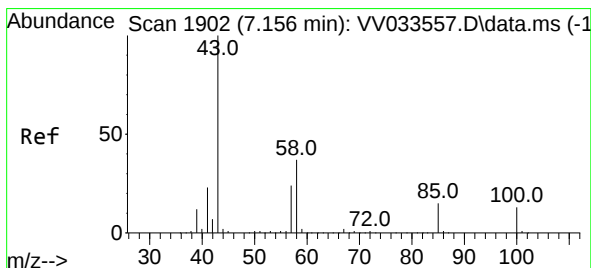
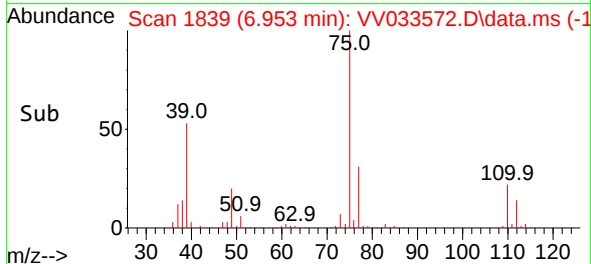
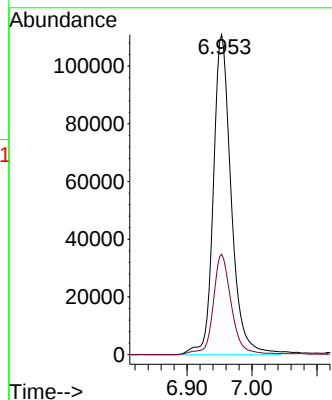
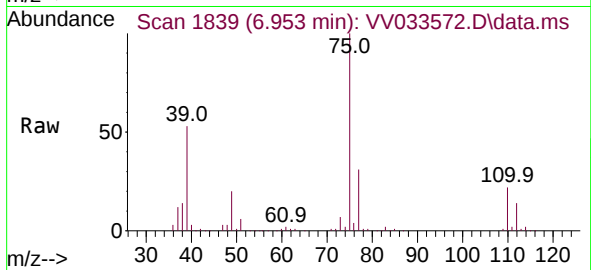
ClientSampleId :

Tgt Ion: 75 Resp: 211752

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 102.549 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

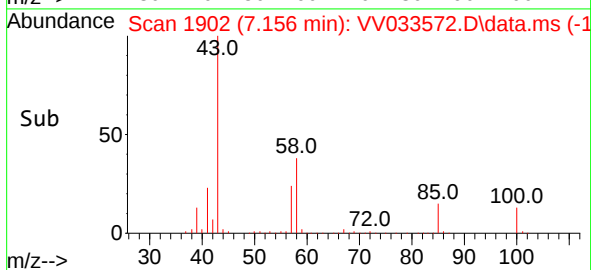
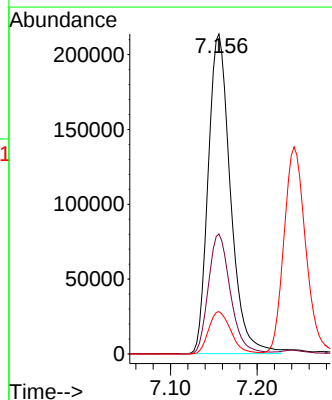
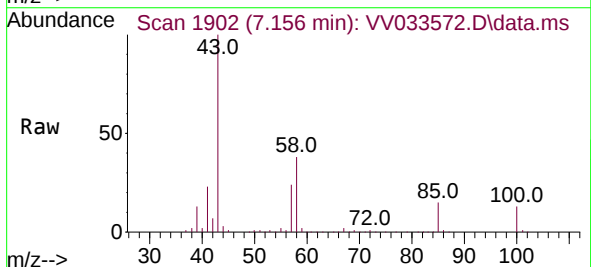
Tgt Ion: 43 Resp: 382103

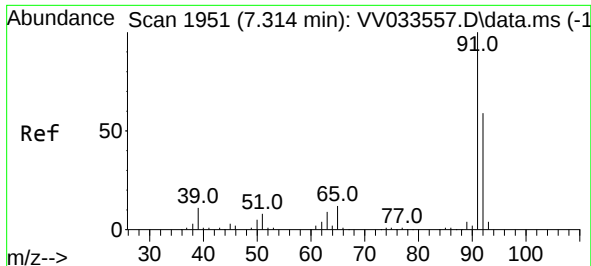
Ion Ratio Lower Upper

43 100

58 37.2 29.6 44.4

100 13.3 10.6 16.0





#42

Toluene

Concen: 49.883 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

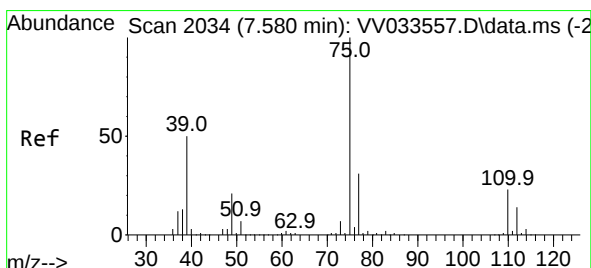
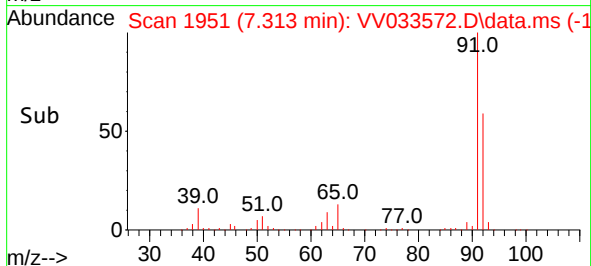
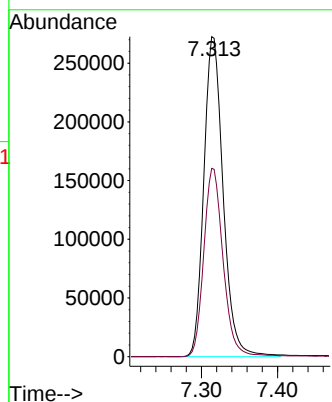
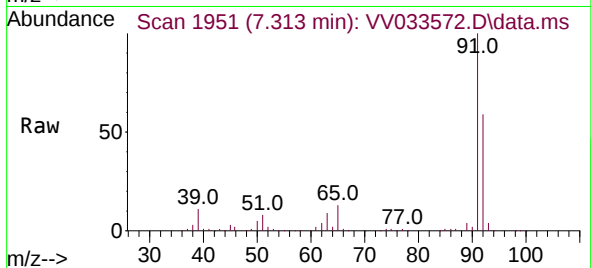
ClientSampleId :

Tgt Ion: 91 Resp: 481866

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 50.688 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033572.D

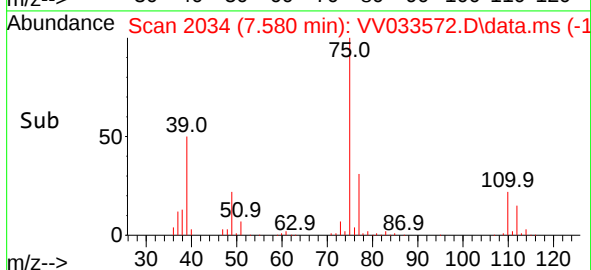
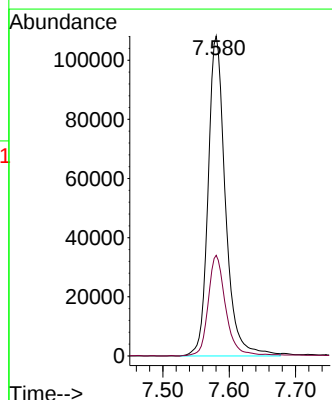
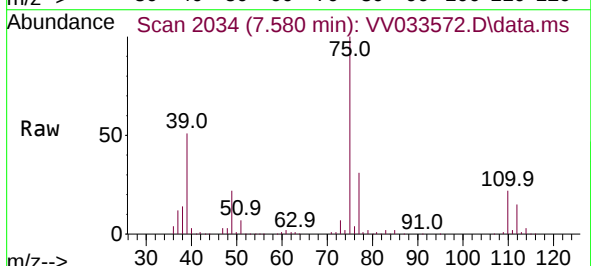
Acq: 10 Jan 2024 19:53

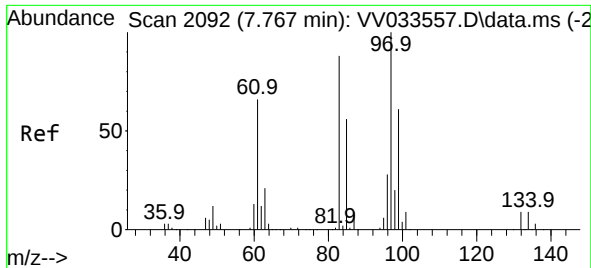
Tgt Ion: 75 Resp: 196148

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0



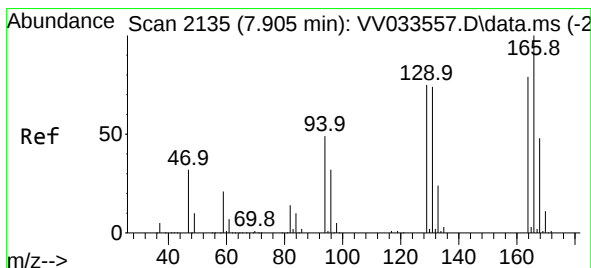
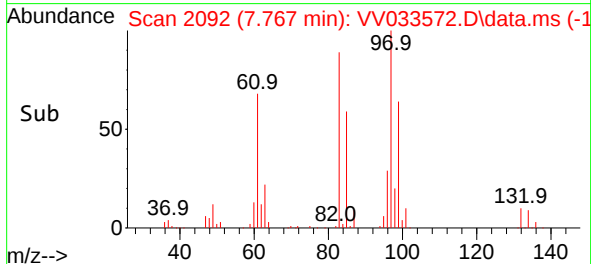
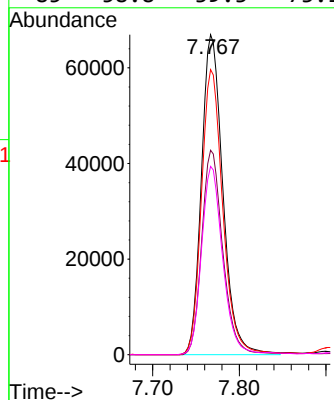
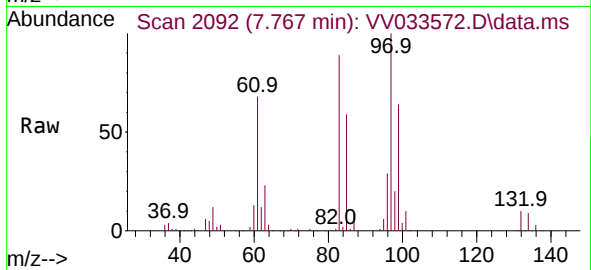


#45
1,1,2-Trichloroethane
Concen: 50.546 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 115328

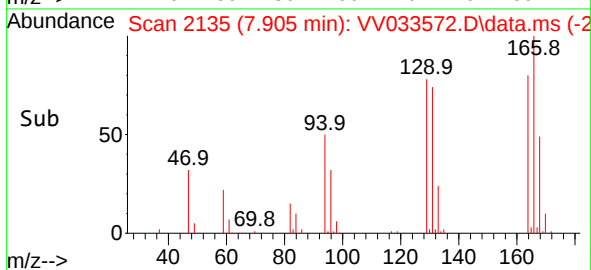
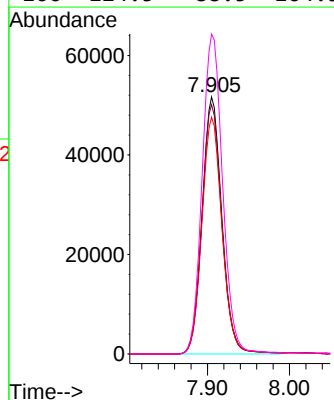
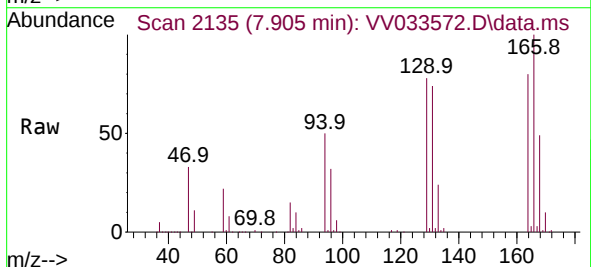
Ion	Ratio	Lower	Upper
97	100		
99	63.9	42.8	79.6
83	89.1	61.2	113.8
85	58.8	39.3	73.1

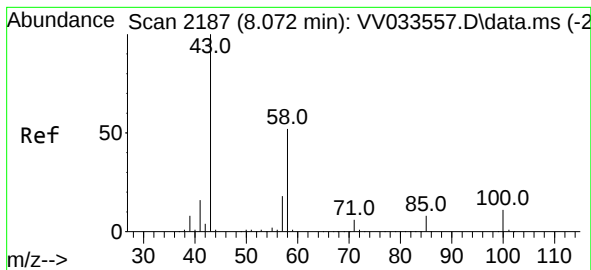


#46
Tetrachloroethene
Concen: 48.187 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 164 Resp: 86639

Ion	Ratio	Lower	Upper
164	100		
129	97.0	66.1	122.7
131	92.1	65.9	122.5
166	124.5	88.5	164.3





#48

2-Hexanone

Concen: 93.381 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

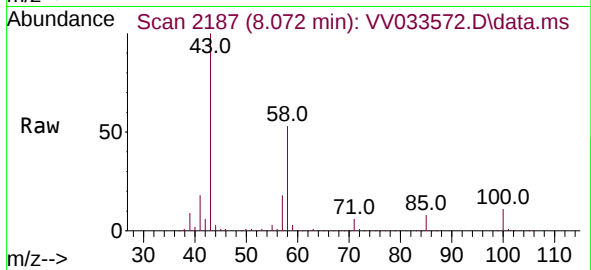
Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 277248

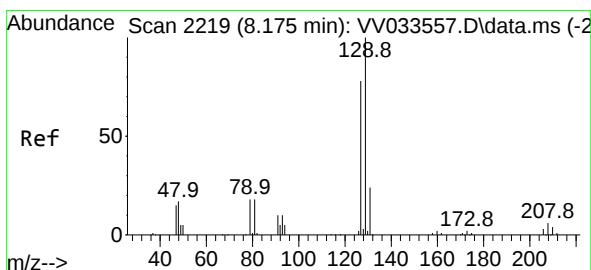
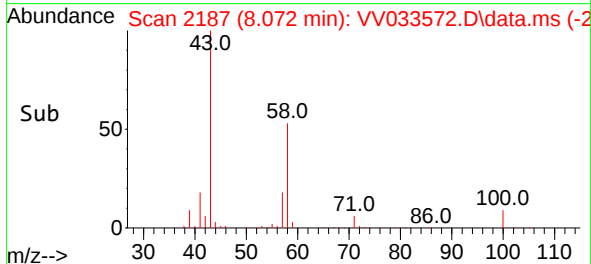
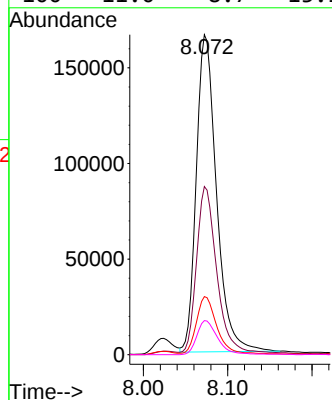
Ion Ratio Lower Upper

43 100

58 53.6 42.3 63.5

57 17.3 14.2 21.2

100 11.0 8.7 13.1



#49

Dibromochloromethane

Concen: 50.370 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV033572.D

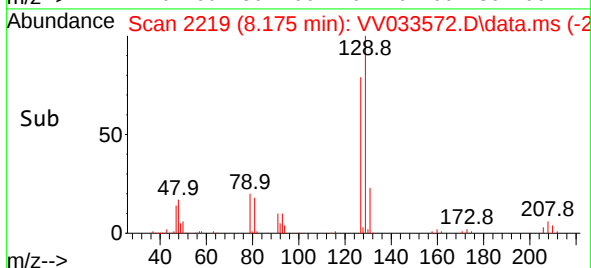
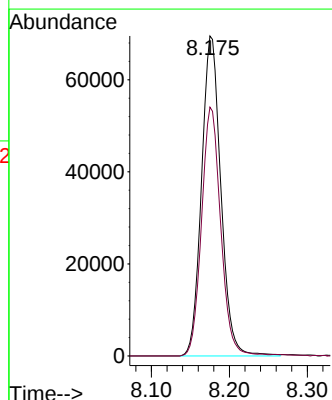
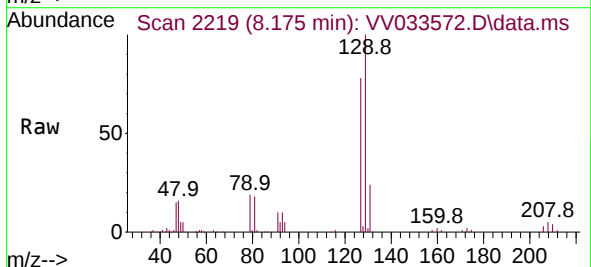
Acq: 10 Jan 2024 19:53

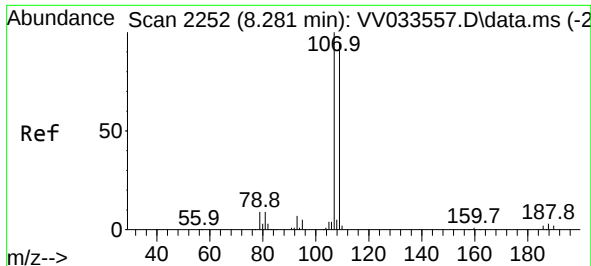
Tgt Ion: 129 Resp: 119696

Ion Ratio Lower Upper

129 100

127 77.7 54.5 101.3





#50

1,2-Dibromoethane

Concen: 50.585 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

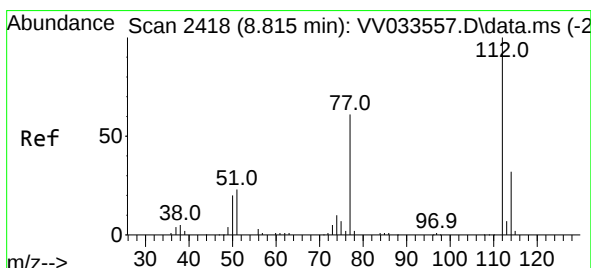
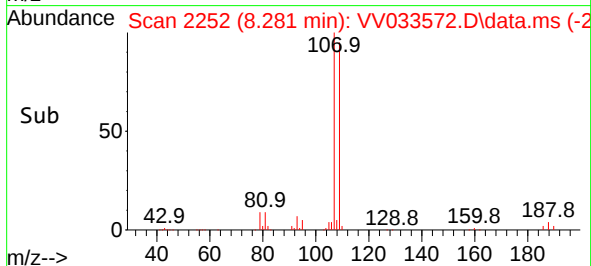
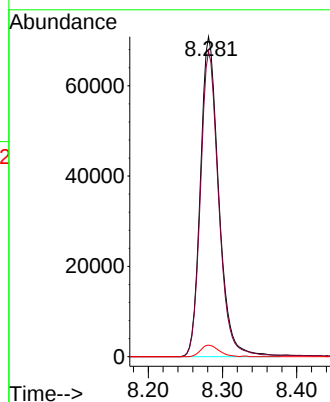
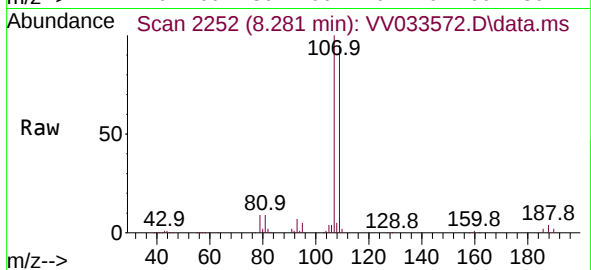
Tgt Ion:107 Resp: 121969

Ion Ratio Lower Upper

107 100

109 95.4 66.4 123.4

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 49.296 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

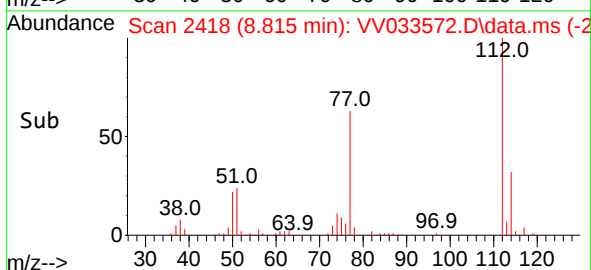
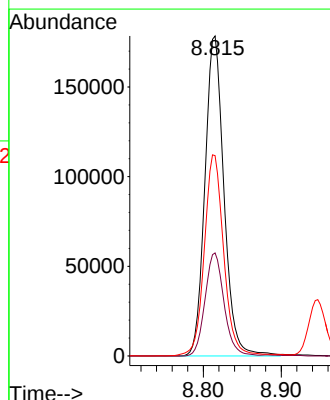
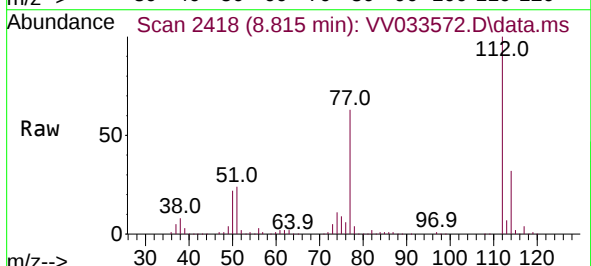
Tgt Ion:112 Resp: 303329

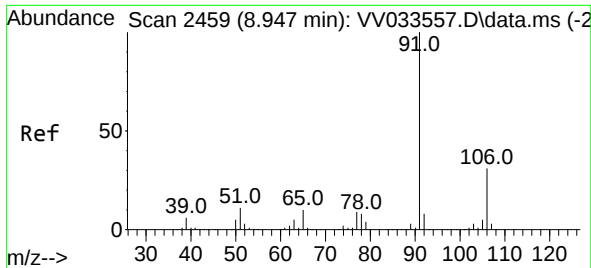
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 62.6 49.4 74.0

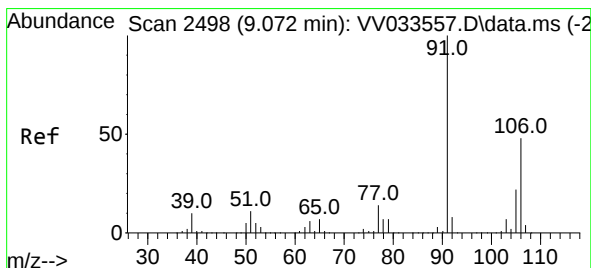
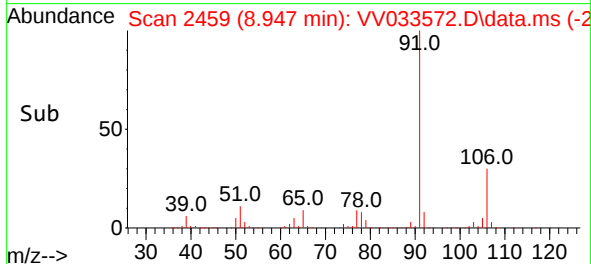
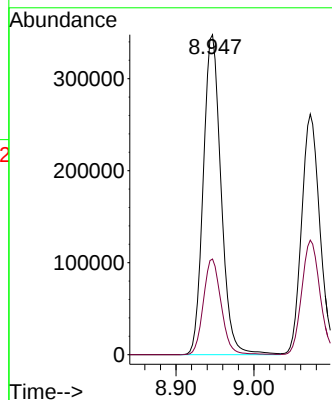
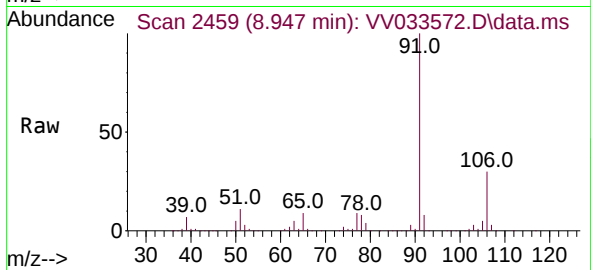




#52
Ethylbenzene
Concen: 49.292 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

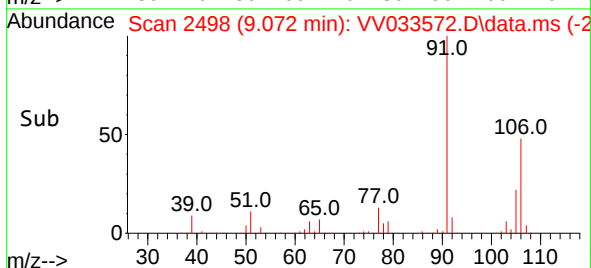
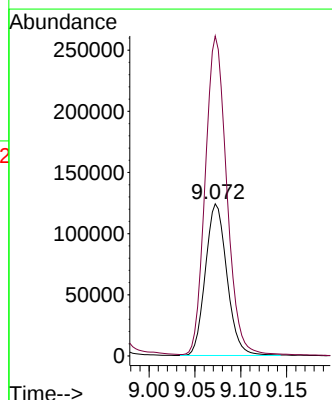
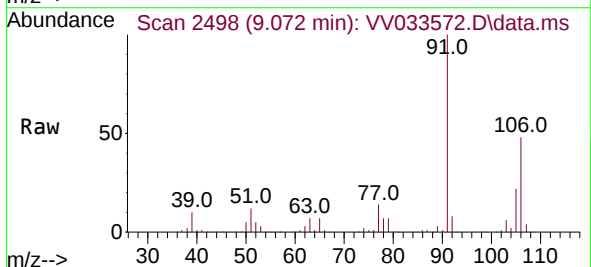
Instrument :
MSVOA_V
ClientSampleId :

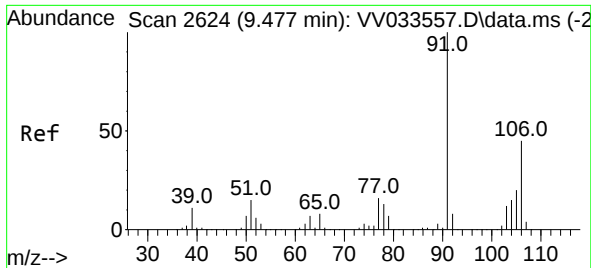
Tgt Ion: 91 Resp: 551501
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 49.199 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 106 Resp: 203220
Ion Ratio Lower Upper
106 100
91 210.2 146.1 271.3

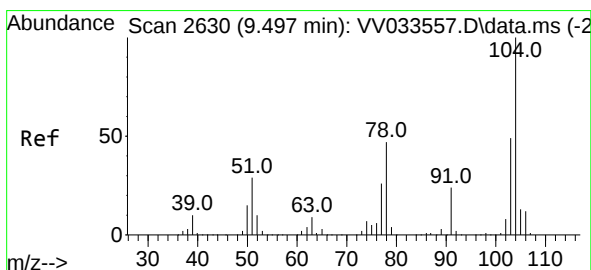
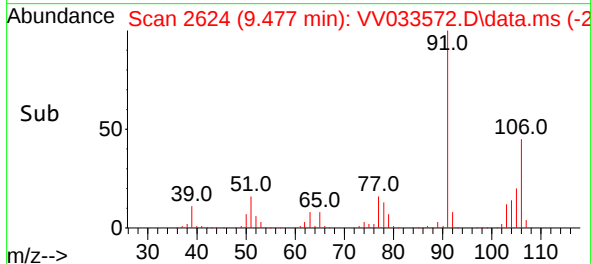
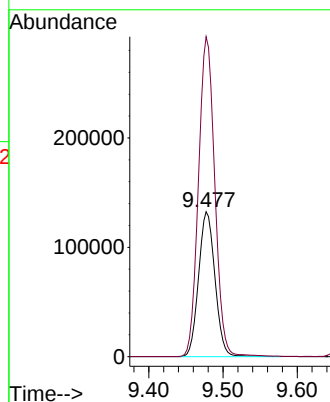
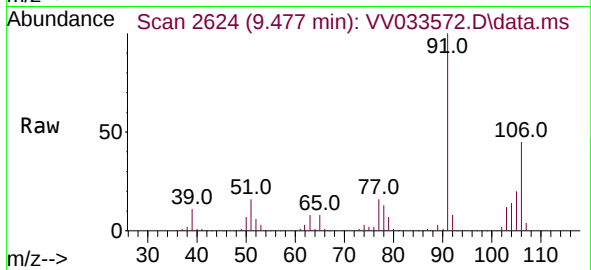




#54
o-Xylene
Concen: 49.914 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

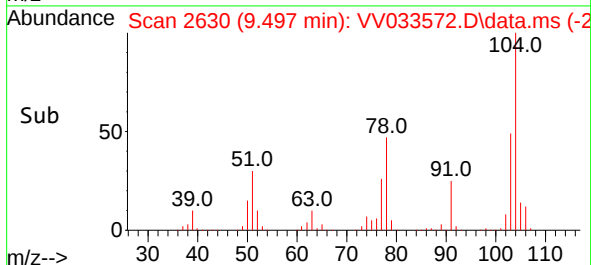
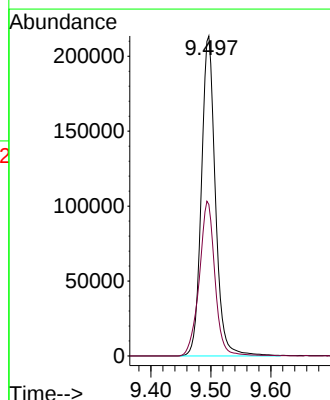
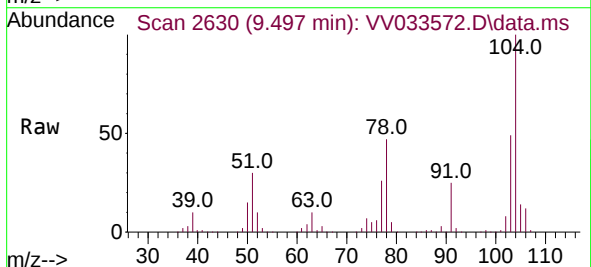
Instrument :
MSVOA_V
ClientSampleId :

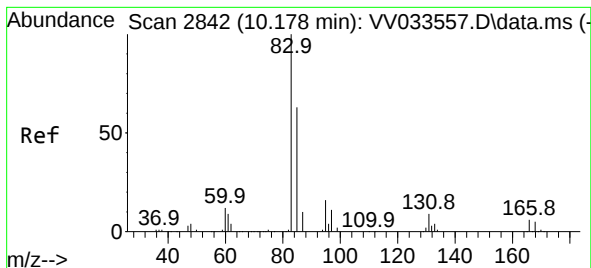
Tgt Ion:106 Resp: 204115
Ion Ratio Lower Upper
106 100
91 220.7 155.2 288.2



#55
Styrene
Concen: 49.326 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion:104 Resp: 348253
Ion Ratio Lower Upper
104 100
78 47.4 33.0 61.4

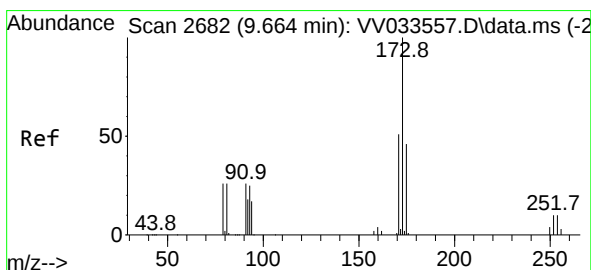
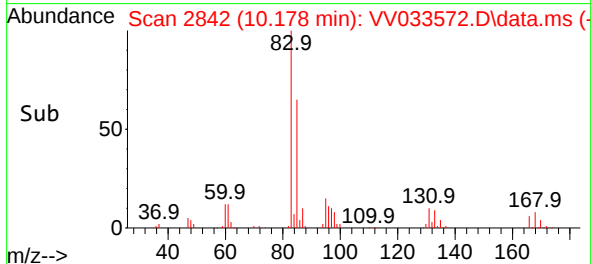
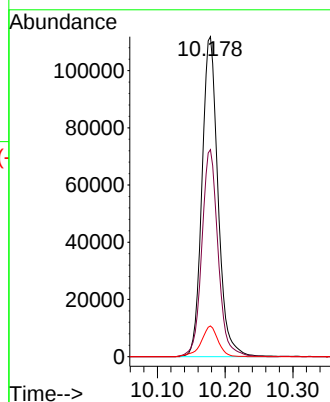
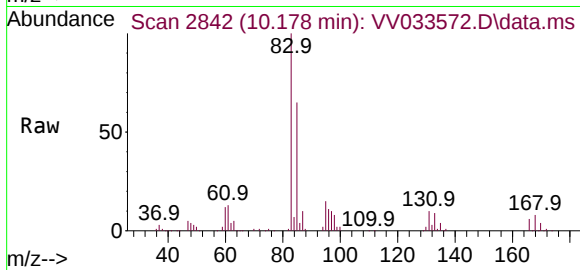




#57
1,1,2,2-Tetrachloroethane
Concen: 50.584 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

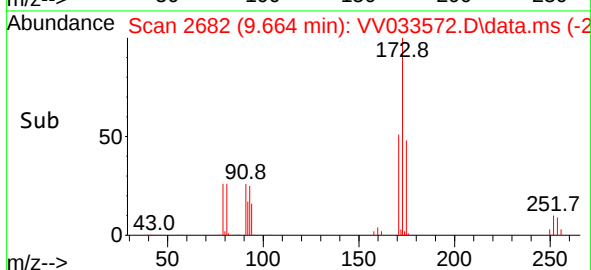
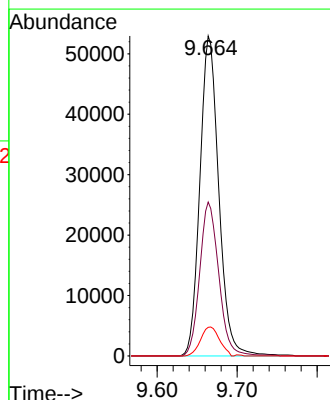
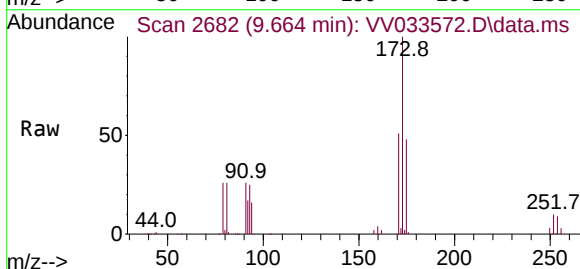
Instrument :
MSVOA_V
ClientSampleId :

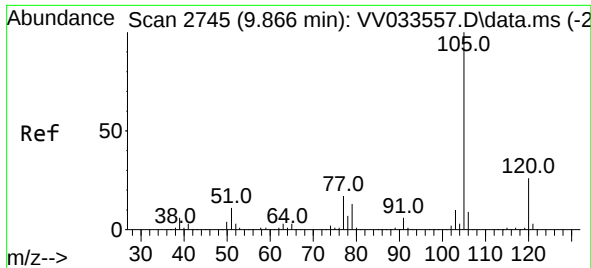
Tgt Ion: 83 Resp: 183675
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5
131 9.6 7.5 11.3



#59
Bromoform
Concen: 52.879 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 173 Resp: 87172
Ion Ratio Lower Upper
173 100
175 48.3 37.2 55.8
254 9.1 7.4 11.0

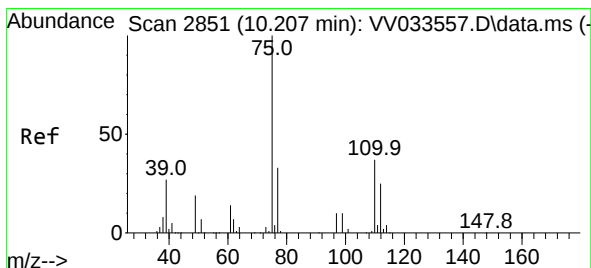
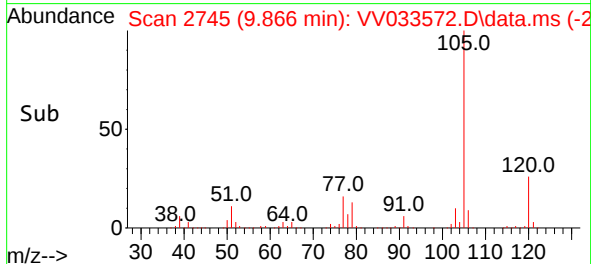
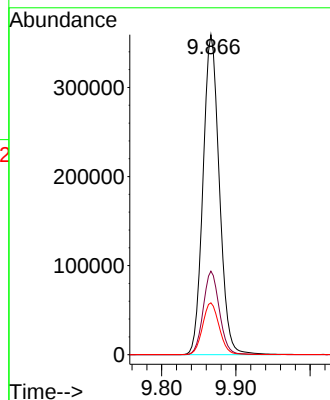
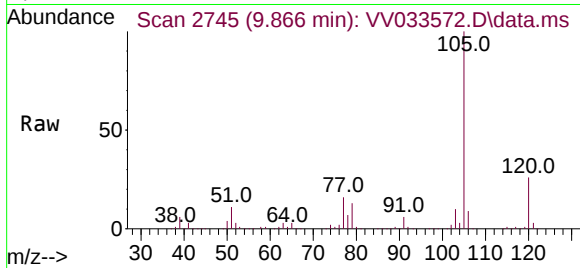




#60
Isopropylbenzene
Concen: 52.288 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

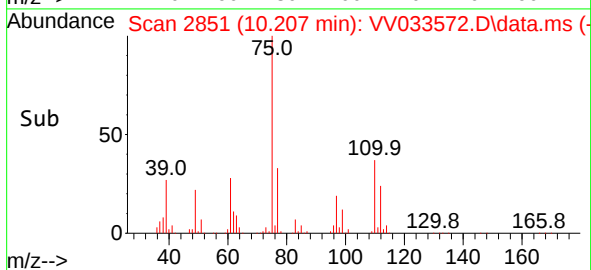
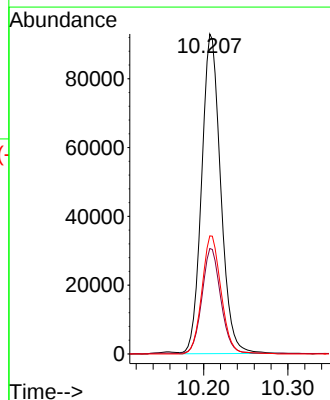
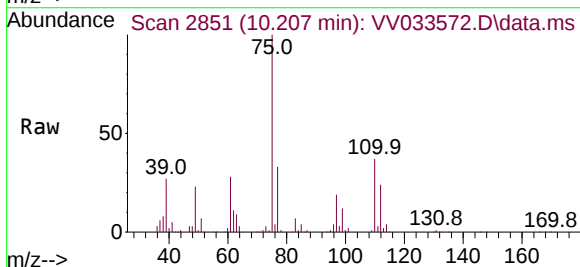
Instrument :
MSVOA_V
ClientSampleId :

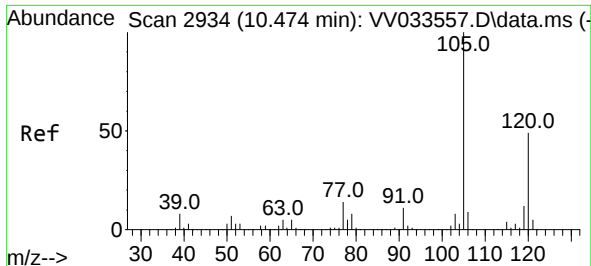
Tgt Ion:105 Resp: 548721
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0
77 16.4 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 53.118 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion: 75 Resp: 146219
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
110 37.2 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 51.603 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

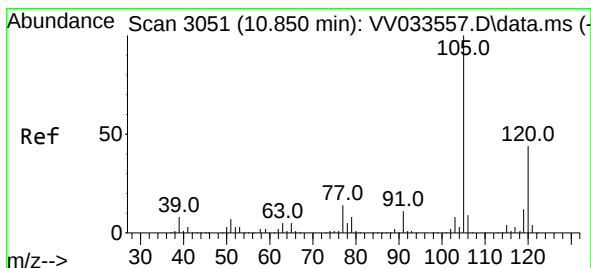
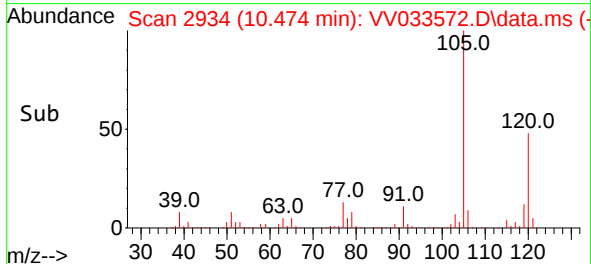
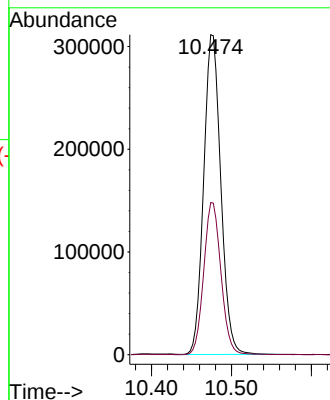
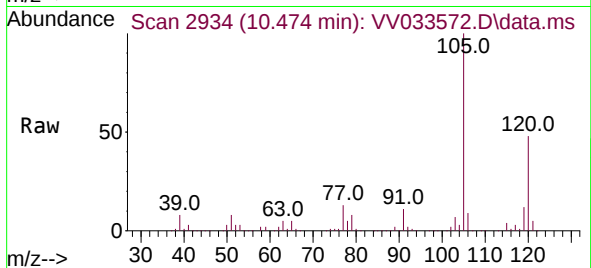
ClientSampleId :

Tgt Ion:105 Resp: 464640

Ion Ratio Lower Upper

105 100

120 47.8 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 52.266 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033572.D

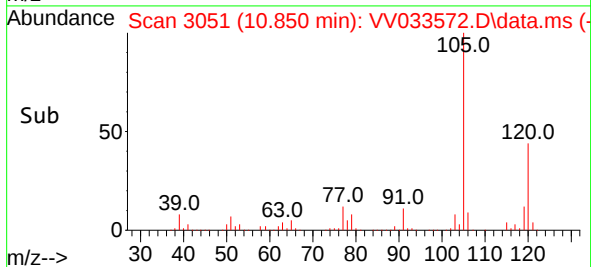
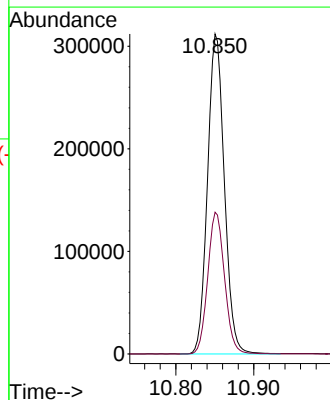
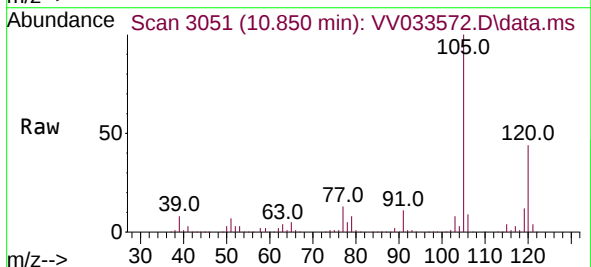
Acq: 10 Jan 2024 19:53

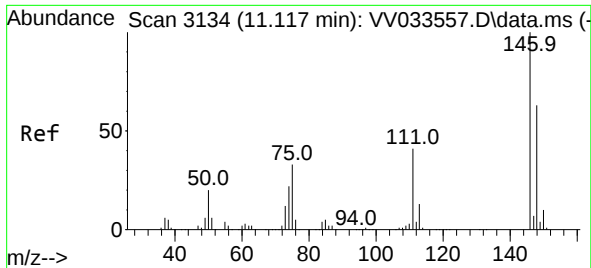
Tgt Ion:105 Resp: 468911

Ion Ratio Lower Upper

105 100

120 44.3 35.4 53.0

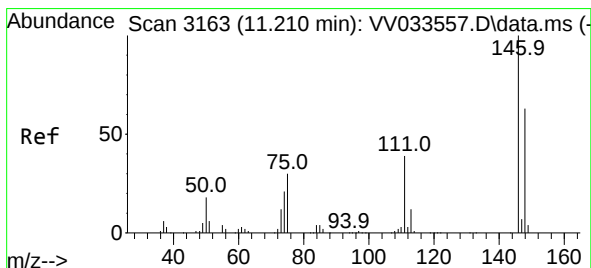
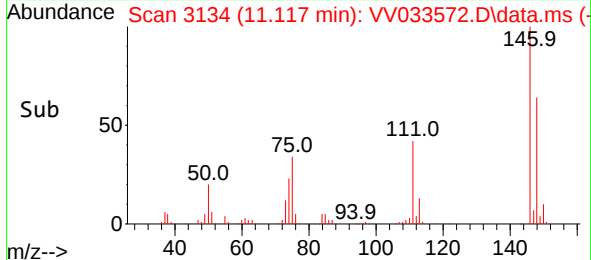
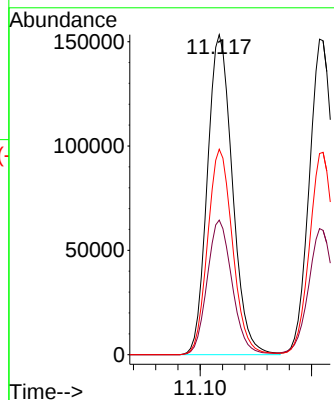
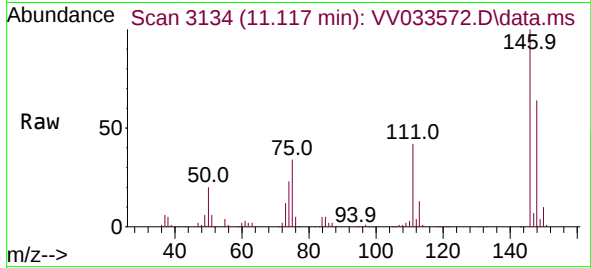




#64
1,3-Dichlorobenzene
Concen: 50.557 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

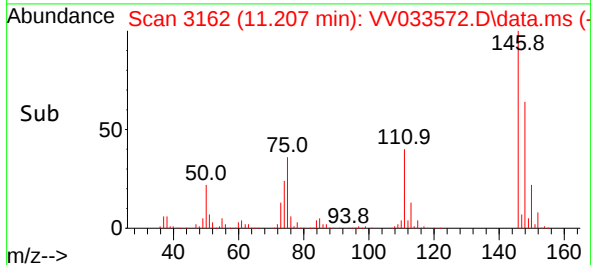
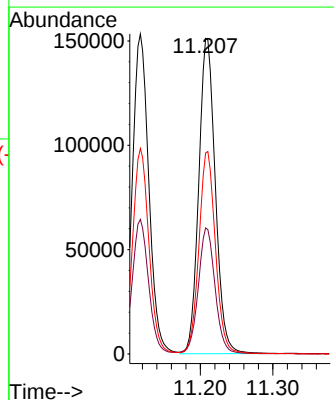
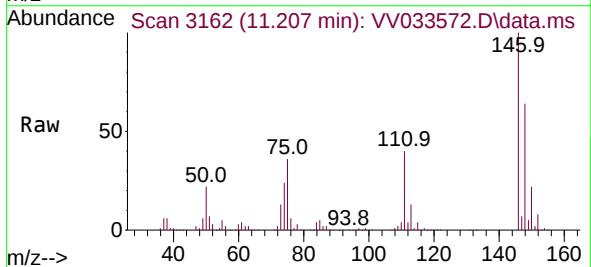
Instrument :
MSVOA_V
ClientSampleId :

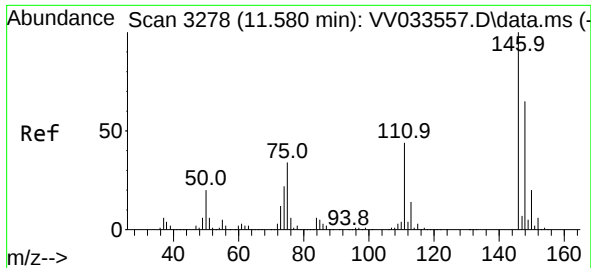
Tgt Ion:146 Resp: 239653
Ion Ratio Lower Upper
146 100
111 42.1 29.0 53.8
148 64.2 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 50.491 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VV033572.D
Acq: 10 Jan 2024 19:53

Tgt Ion:146 Resp: 239983
Ion Ratio Lower Upper
146 100
111 40.0 27.7 51.5
148 63.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 51.606 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

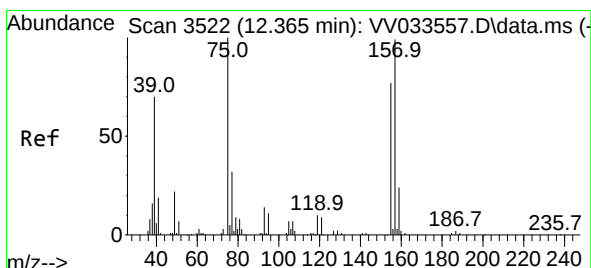
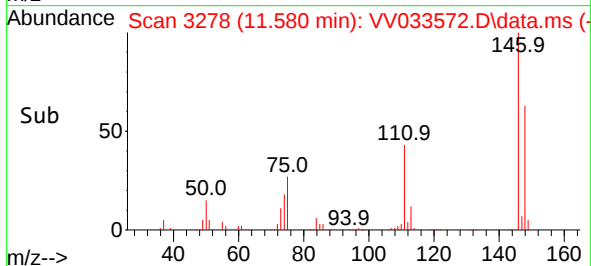
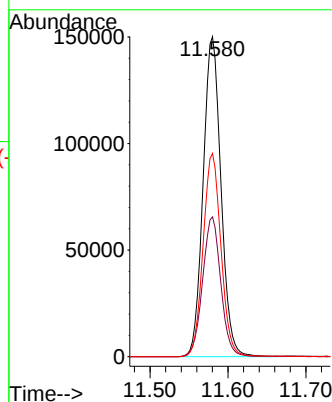
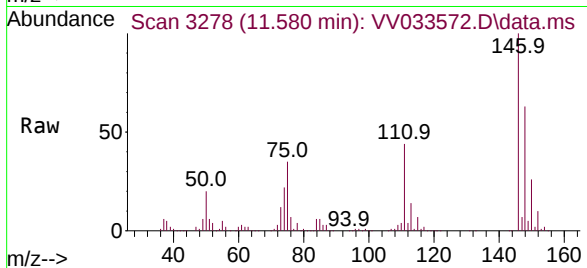
Tgt Ion:146 Resp: 239026

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

148 63.5 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.836 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

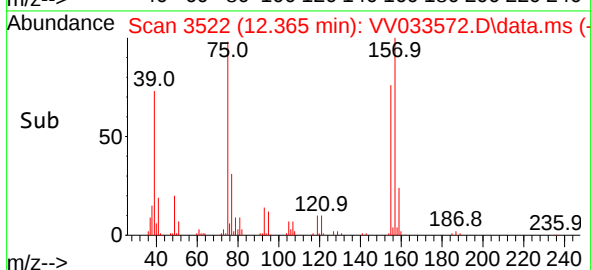
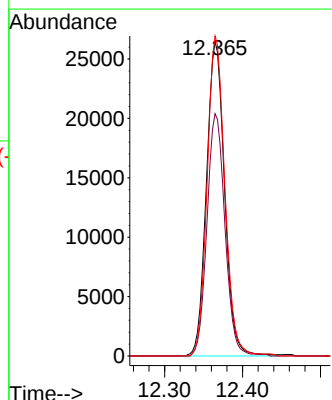
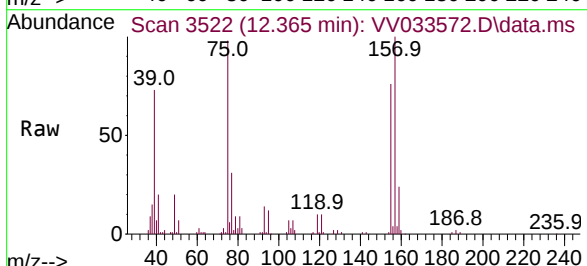
Tgt Ion: 75 Resp: 42765

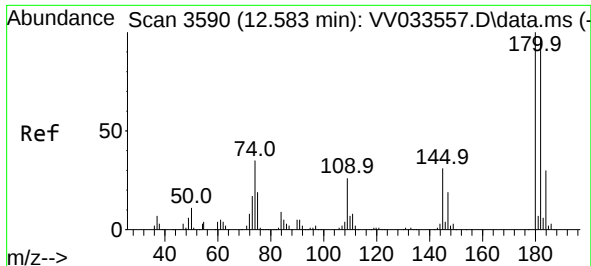
Ion Ratio Lower Upper

75 100

155 77.0 61.6 92.4

157 101.8 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 49.603 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

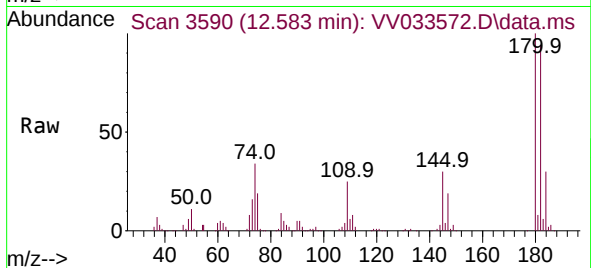
Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 173752

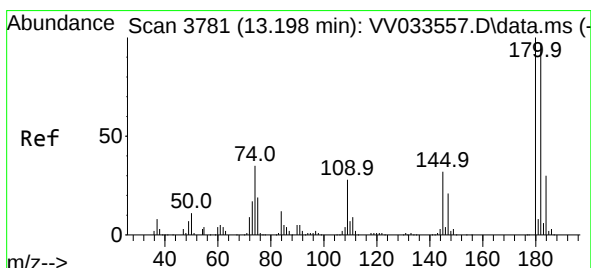
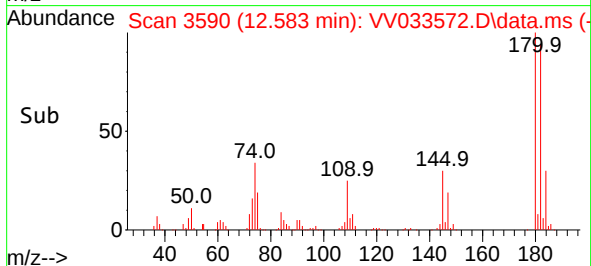
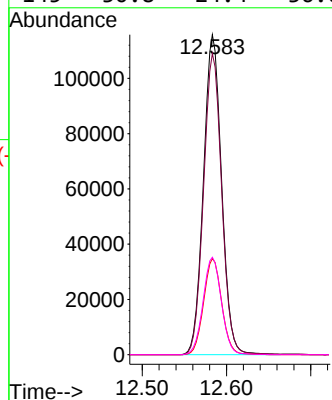
Ion Ratio Lower Upper

180 100

182 93.9 76.2 114.2

184 29.9 23.9 35.9

145 30.8 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 48.966 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

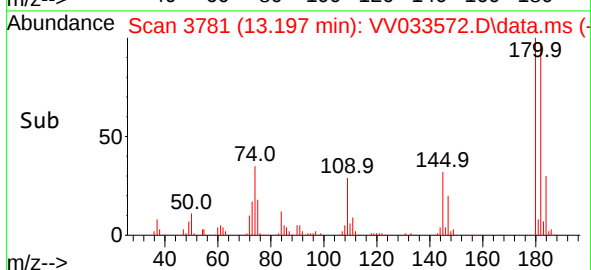
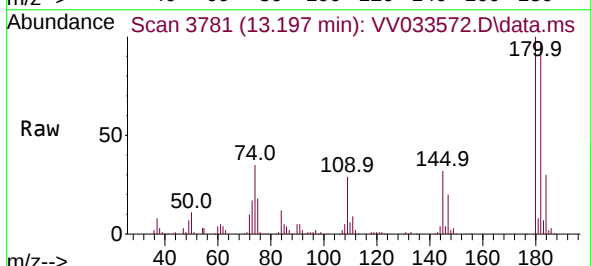
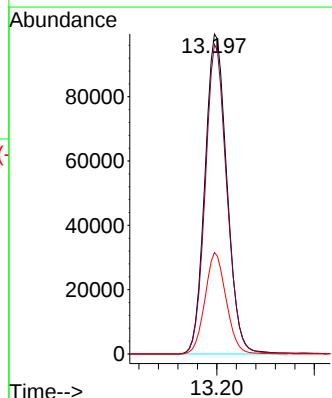
Tgt Ion:180 Resp: 155679

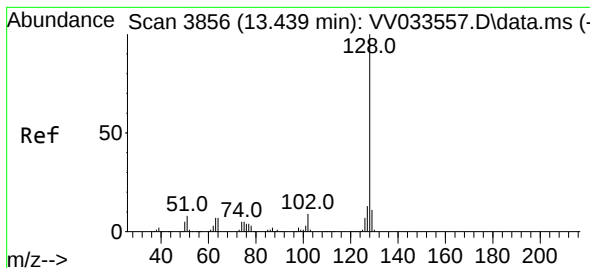
Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

145 30.6 25.4 38.0





#71

Naphthalene

Concen: 49.445 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Instrument :

MSVOA_V

ClientSampleId :

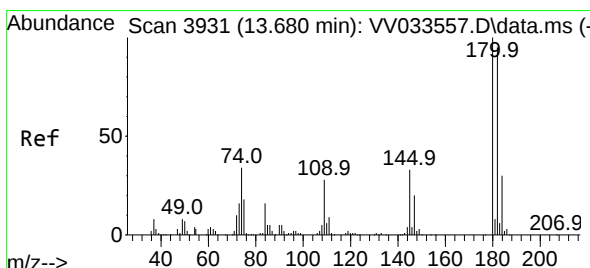
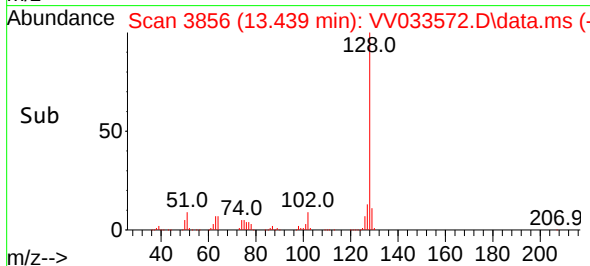
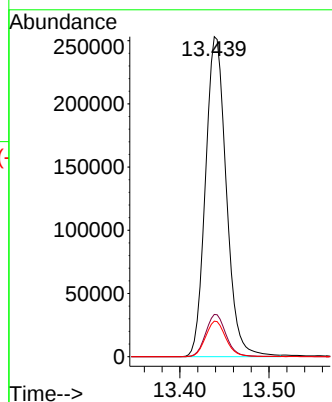
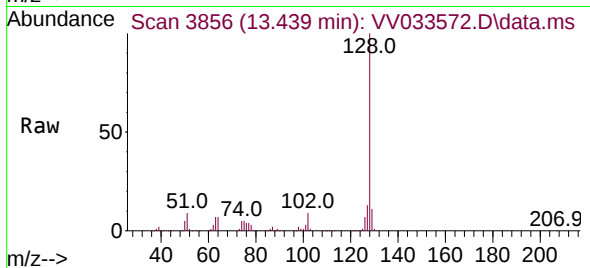
Tgt Ion:128 Resp: 410781

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: 49.851 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033572.D

Acq: 10 Jan 2024 19:53

Tgt Ion:180 Resp: 147934

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 33.2 26.3 39.5

