

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011224\
 Data File : VV033586.D
 Acq On : 12 Jan 2024 10:54
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 12 23:07:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 12 23:05:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	145964	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	134788	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	67869	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39427	4.446	ug/L	0.00
7) Chloroethane-d5	1.535	69	35121	4.628	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	17720	4.450	ug/L	0.00
20) 2-Butanone-d5	3.834	46	94982	42.841	ug/L	0.00
24) Chloroform-d	4.252	84	85940	4.680	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	38238	4.601	ug/L	0.00
32) Benzene-d6	4.963	84	161200	4.770	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	51520	4.827	ug/L	0.00
41) Toluene-d8	7.243	98	143584	4.796	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	17942	4.223	ug/L	0.00
46) 2-Hexanone-d5	8.030	63	71802	42.715	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	30853	4.337	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	49507	4.625	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	67085	5.171	ug/L	100
3) Chloromethane	1.217	50	79243	5.545	ug/L	100
5) Vinyl chloride	1.285	62	74731	5.442	ug/L	100
6) Bromomethane	1.490	94	37215	4.923	ug/L	100
8) Chloroethane	1.552	64	45273	5.366	ug/L	100
9) Trichlorofluoromethane	1.716	101	93263	5.525	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	52923	5.263	ug/L	100
12) 1,1-Dichloroethene	2.072	96	49874	5.398	ug/L	100
13) Acetone	2.156	43	58369	31.028	ug/L	90
14) Carbon disulfide	2.243	76	188110	6.378	ug/L	100
15) Methyl Acetate	2.391	43	19516	3.855	ug/L	100
16) Methylene chloride	2.449	84	57808	5.045	ug/L	100
17) Methyl tert-butyl Ether	2.706	73	114980	4.637	ug/L	100
18) trans-1,2-Dichloroethene	2.696	96	57366	5.561	ug/L	100
19) 1,1-Dichloroethane	3.114	63	115551	5.207	ug/L	100
21) 2-Butanone	3.908	43	99064	39.077	ug/L	100
22) cis-1,2-Dichloroethene	3.815	96	60597	5.239	ug/L	100
23) Bromochloromethane	4.153	128	22243	5.024	ug/L	100
25) Chloroform	4.278	83	106512	5.161	ug/L	100
27) 1,2-Dichloroethane	5.047	62	59521	4.978	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	94332	5.183	ug/L	100
30) Cyclohexane	4.584	56	113245	5.682	ug/L	100
31) Carbon tetrachloride	4.735	117	80395	5.372	ug/L	100
33) Benzene	5.011	78	240242	5.408	ug/L	100
34) Trichloroethene	5.834	95	62503	5.254	ug/L	100
35) Methylcyclohexane	6.050	83	107079	5.577	ug/L	100
37) 1,2-Dichloropropane	6.095	63	59742	5.132	ug/L	100
38) Bromodichloromethane	6.432	83	71268	4.993	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	85214	4.916	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	267635	43.895	ug/L	100
42) Toluene	7.317	91	253228	5.344	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	66316	4.918	ug/L	100

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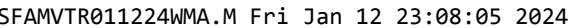
Quant Time: Jan 12 23:07:55 2024
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 12 23:05:58 2024
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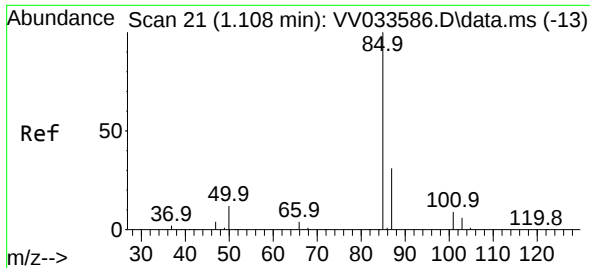
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	32461	4.685	ug/L	100
47) Tetrachloroethene	7.905	164	45928	5.451	ug/L	100
48) 2-Hexanone	8.079	43	183958	41.153	ug/L	100
49) Dibromochloromethane	8.175	129	40340	4.940	ug/L	100
50) 1,2-Dibromoethane	8.284	107	30060	4.671	ug/L	100
51) Chlorobenzene	8.815	112	152303	5.171	ug/L	100
52) Ethylbenzene	8.947	91	292160	5.267	ug/L	100
53) m,p-Xylene	9.072	106	107428	5.247	ug/L	100
54) o-Xylene	9.477	106	104826	5.246	ug/L	100
55) Styrene	9.497	104	166868	5.057	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	35401	4.631	ug/L	100
59) Bromoform	9.667	173	20652	4.885	ug/L	100
60) Isopropylbenzene	9.866	105	267174	4.974	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	27330	4.872	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	235169	5.168	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	236547	5.244	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	118626	5.146	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	113552	4.861	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	100148	4.963	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	6027	4.648	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	89703	5.062	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	71097	4.807	ug/L	100
71) Naphthalene	13.442	128	88619	4.332	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	54957	4.741	ug/L	100

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

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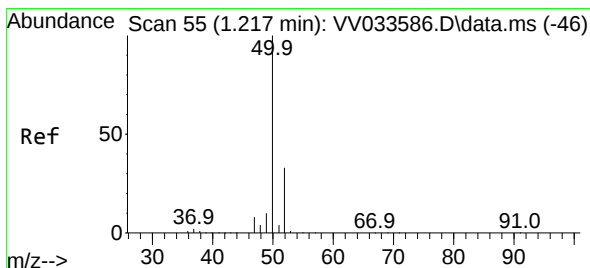
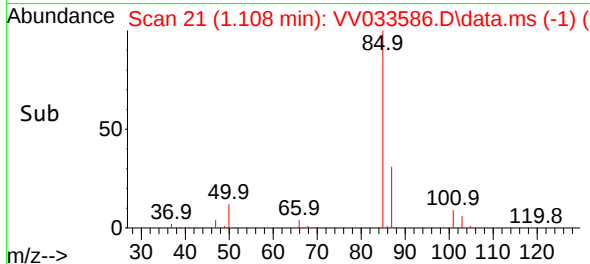
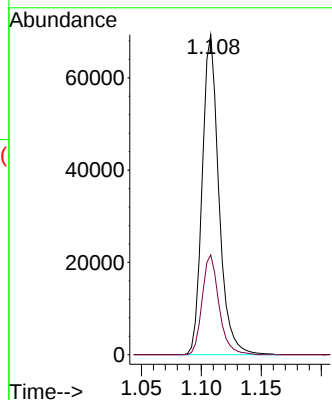
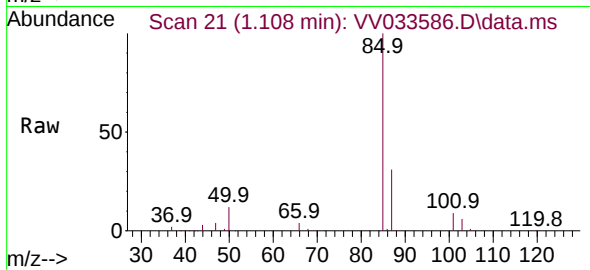




#2
 Dichlorodifluoromethane
 Concen: 5.171 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

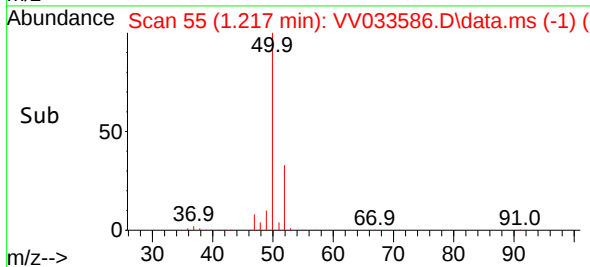
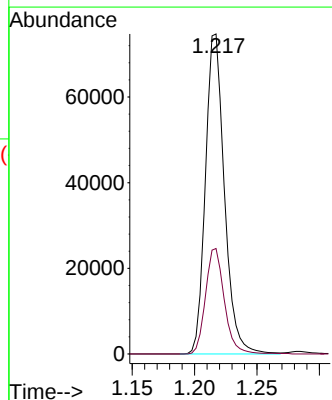
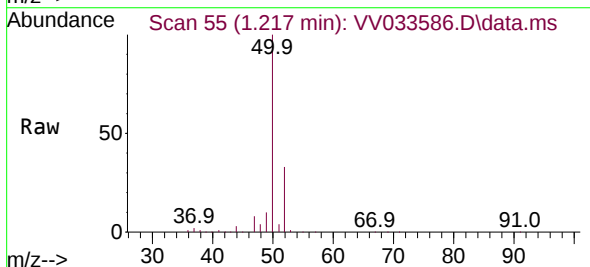
Instrument :
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 ClientSampleId :

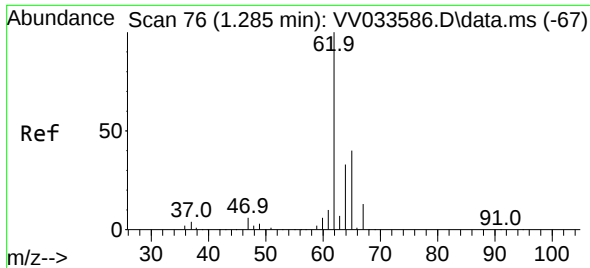
Tgt Ion: 85 Resp: 67085
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.2 37.8



#3
 Chloromethane
 Concen: 5.545 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Tgt Ion: 50 Resp: 79243
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.1 42.9

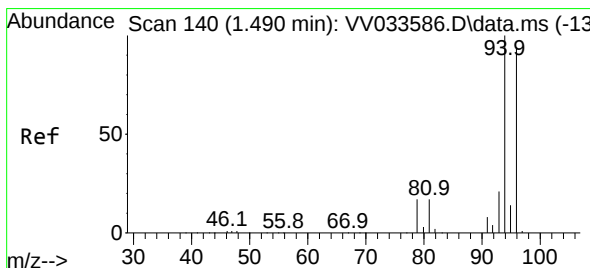
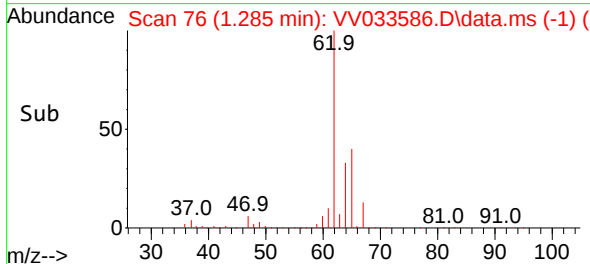
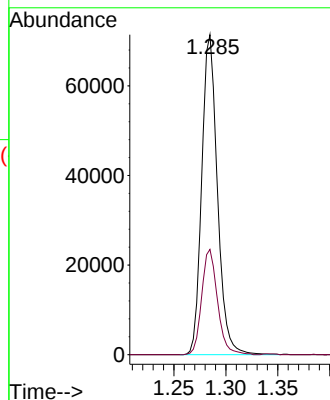
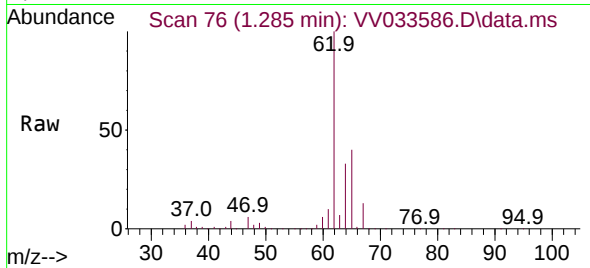




#5
 Vinyl chloride
 Concen: 5.442 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

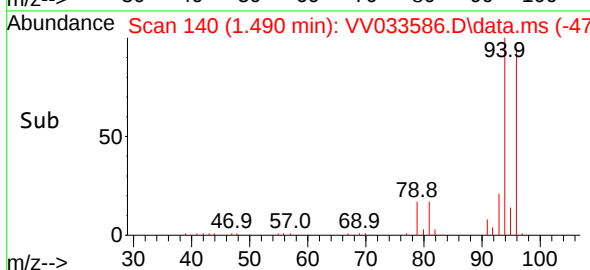
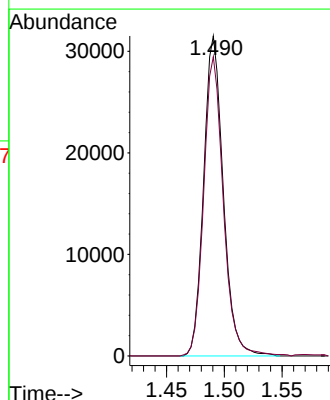
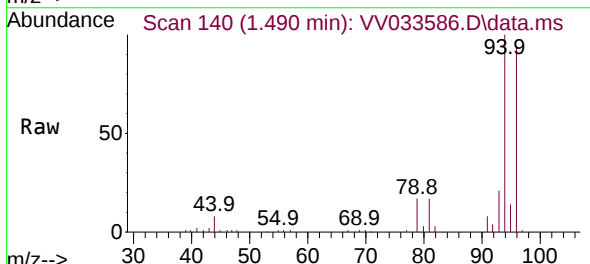
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 ClientSampleId :

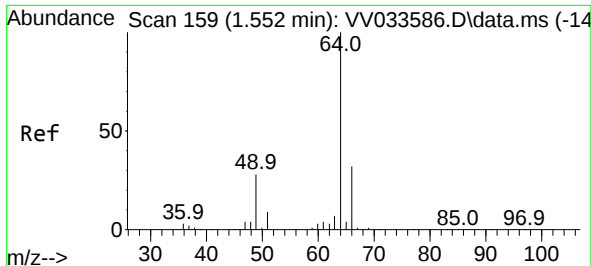
Tgt Ion: 62 Resp: 74731
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.8



#6
 Bromomethane
 Concen: 4.923 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Tgt Ion: 94 Resp: 37215
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.5 121.6

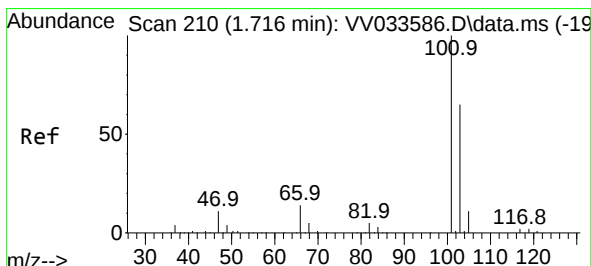
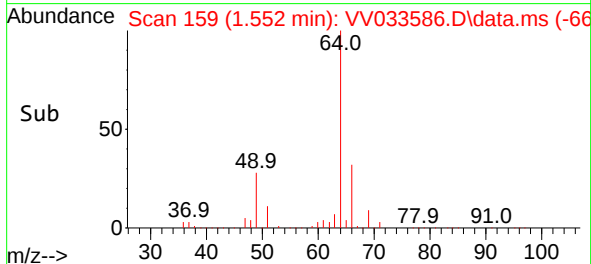
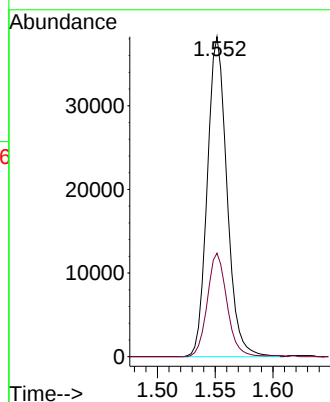
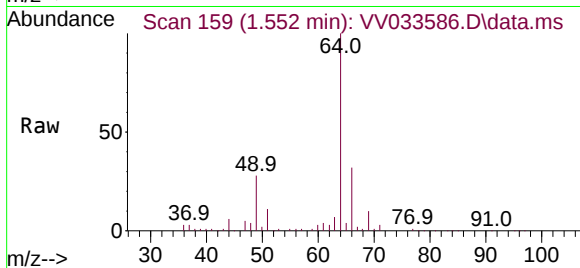




#8
Chloroethane
Concen: 5.366 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

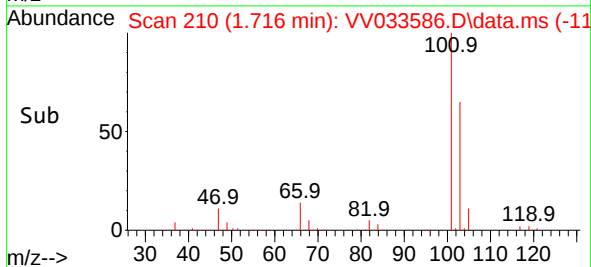
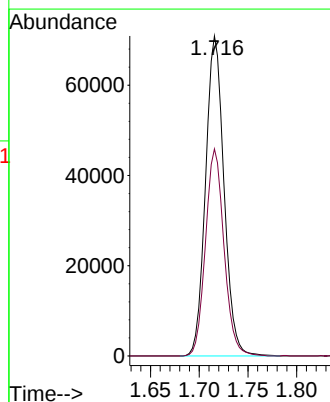
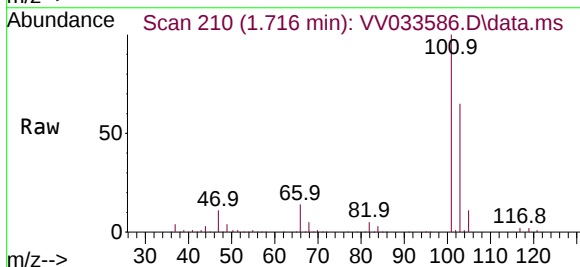
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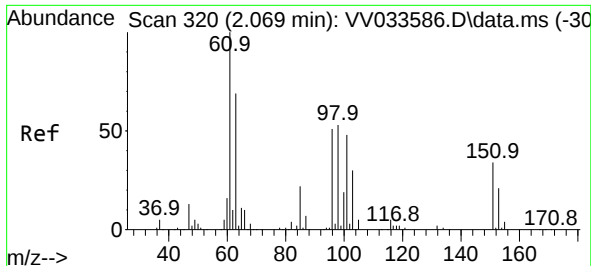
Tgt Ion: 64 Resp: 45273
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.525 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion:101 Resp: 93263
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

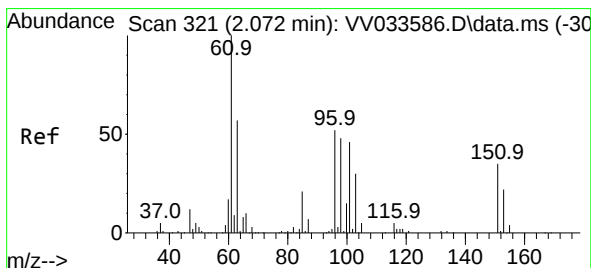
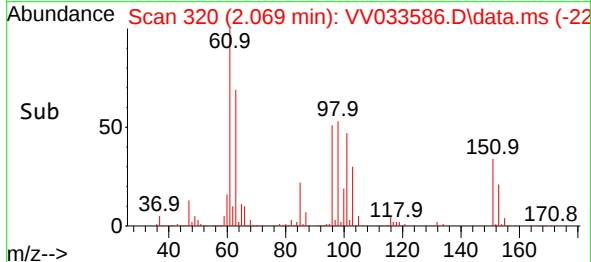
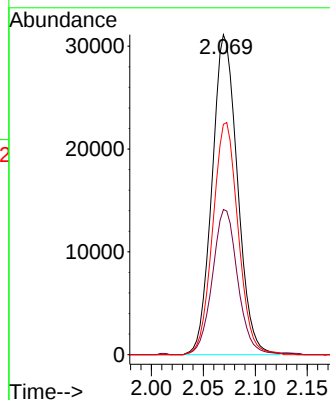
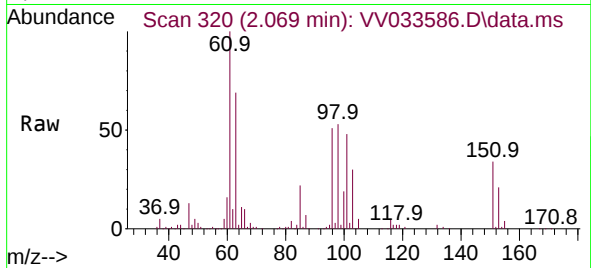




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.263 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

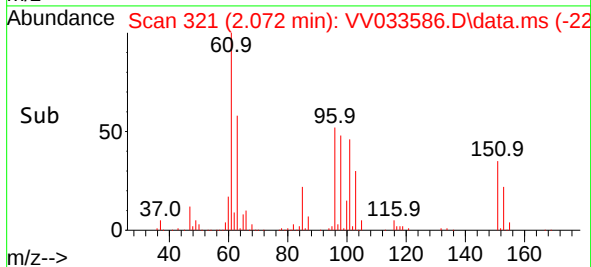
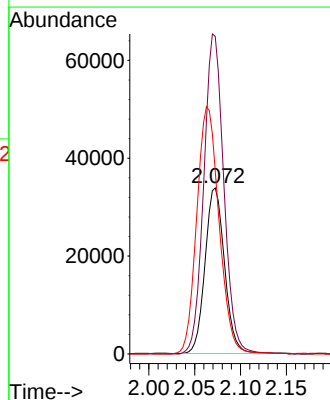
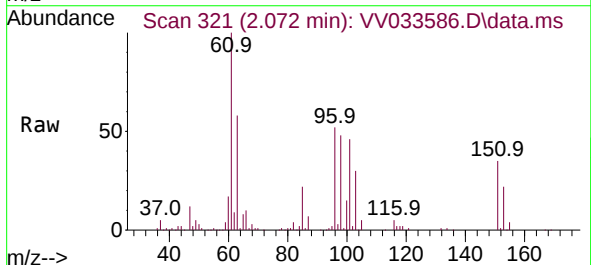
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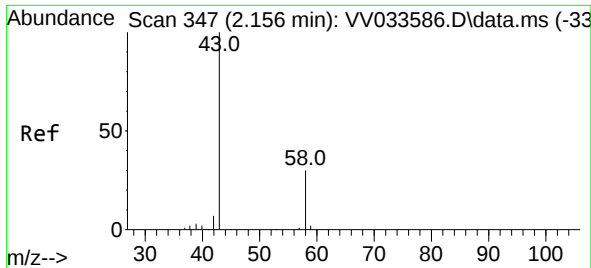
Tgt Ion:101 Resp: 52923
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.4 54.6
 151 72.6 58.1 87.1



#12
 1,1-Dichloroethene
 Concen: 5.398 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Tgt Ion: 96 Resp: 49874
 Ion Ratio Lower Upper
 96 100
 61 191.1 133.8 248.4
 63 110.3 77.2 143.4





#13

Acetone

Concen: 31.028 ug/L

RT: 2.156 min Scan# 347

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

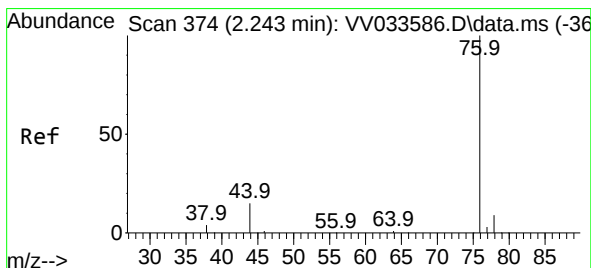
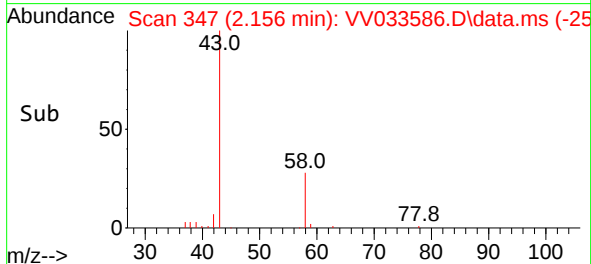
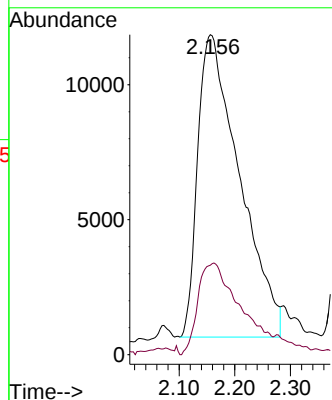
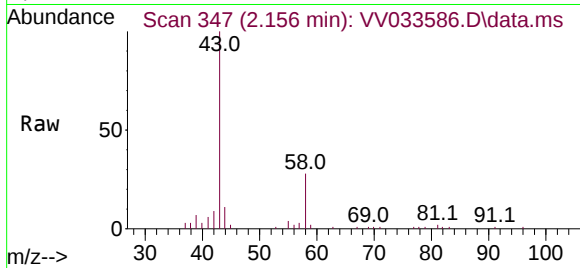
ClientSampleId :

Tgt Ion: 43 Resp: 58369

Ion Ratio Lower Upper

43 100

58 30.7 0.0 51.0



#14

Carbon disulfide

Concen: 6.378 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033586.D

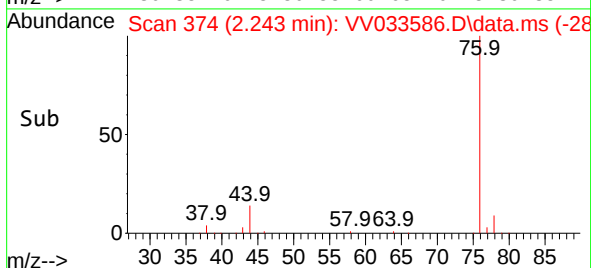
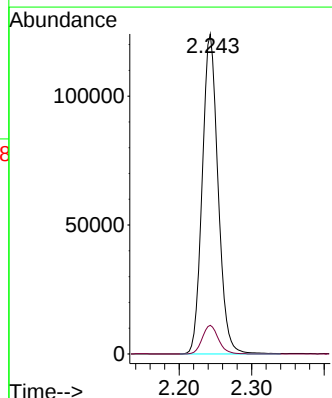
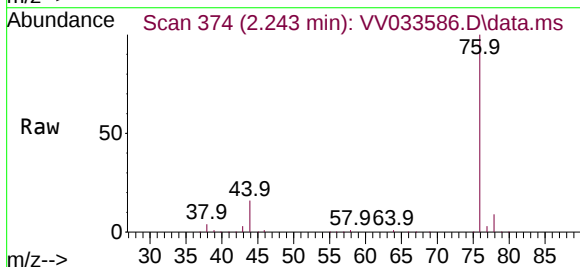
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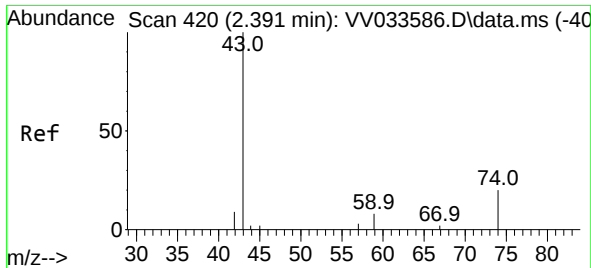
Tgt Ion: 76 Resp: 188110

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

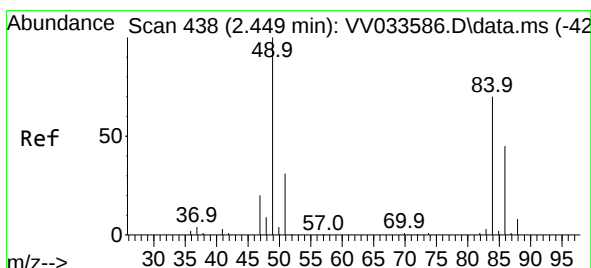
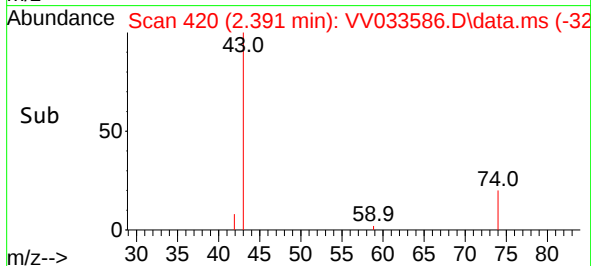
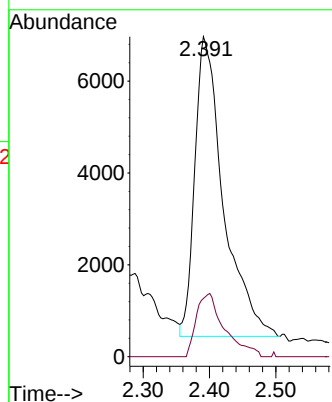
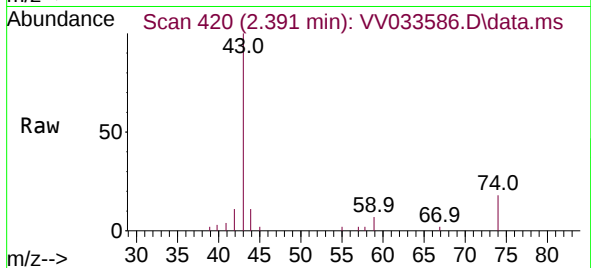




#15
Methyl Acetate
Concen: 3.855 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

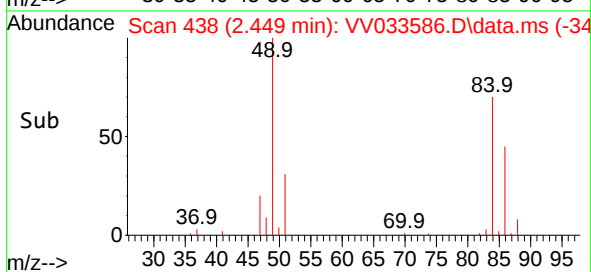
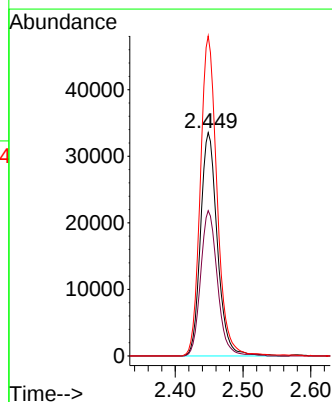
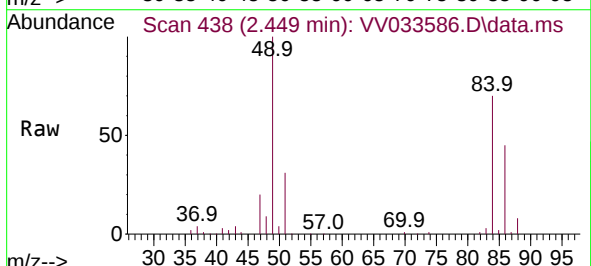
Instrument :
MSVOA_V
ClientSampleId :

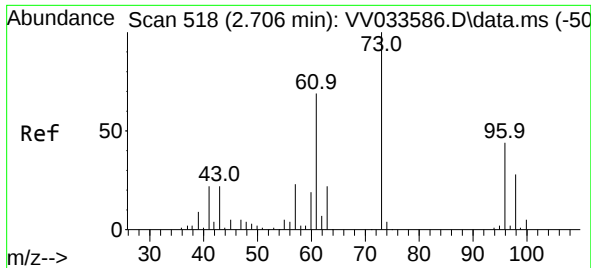
Tgt Ion: 43 Resp: 19516
Ion Ratio Lower Upper
43 100
74 20.7 16.6 24.8



#16
Methylene chloride
Concen: 5.045 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

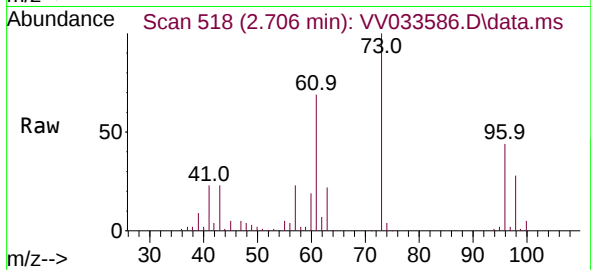
Tgt Ion: 84 Resp: 57808
Ion Ratio Lower Upper
84 100
86 65.0 45.5 84.5
49 143.3 100.3 186.3



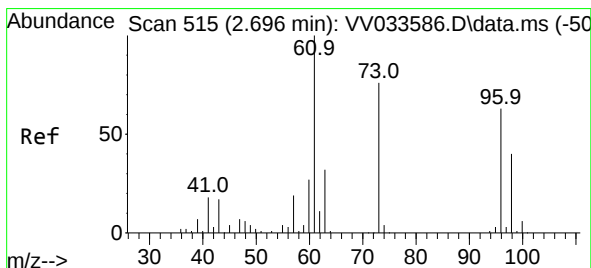
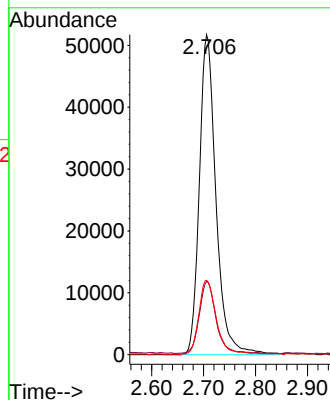
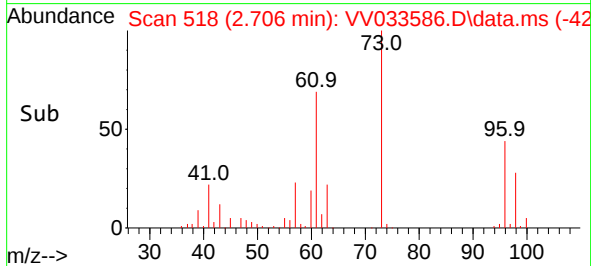


#17
Methyl tert-butyl Ether
Concen: 4.637 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

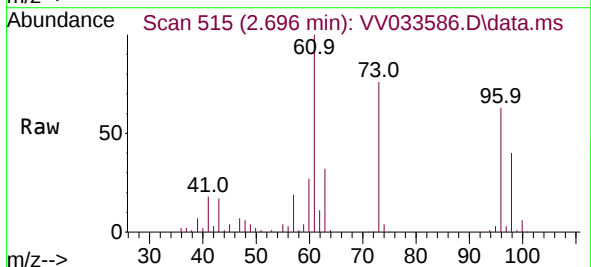
Instrument :
MSVOA_V
ClientSampleId :



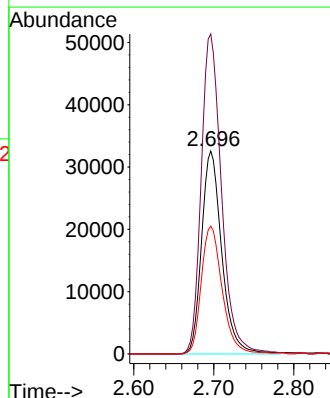
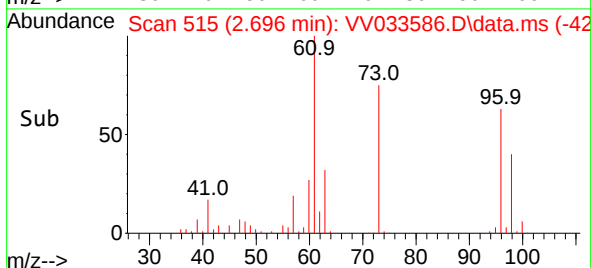
Tgt Ion: 73 Resp: 114980
Ion Ratio Lower Upper
73 100
43 22.1 17.7 26.5
57 24.4 19.5 29.3

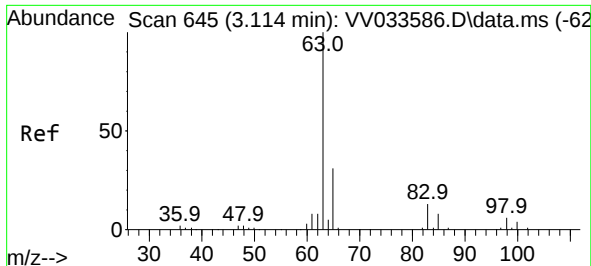


#18
trans-1,2-Dichloroethene
Concen: 5.561 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54



Tgt Ion: 96 Resp: 57366
Ion Ratio Lower Upper
96 100
61 157.7 110.4 205.0
98 63.0 44.1 81.9





#19

1,1-Dichloroethane

Concen: 5.207 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

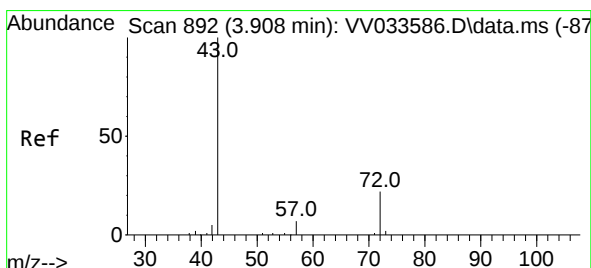
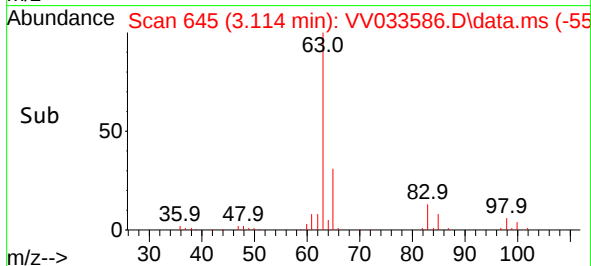
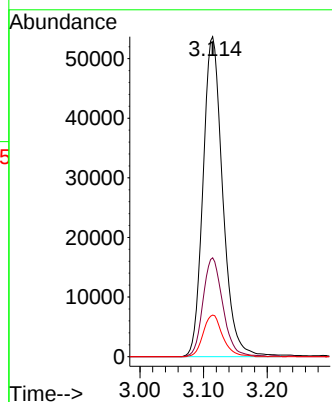
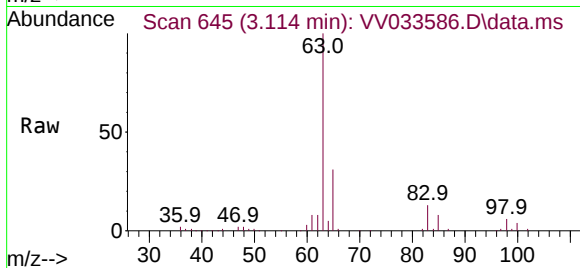
Tgt Ion: 63 Resp: 115551

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

83 13.0 9.1 16.9



#21

2-Butanone

Concen: 39.077 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV033586.D

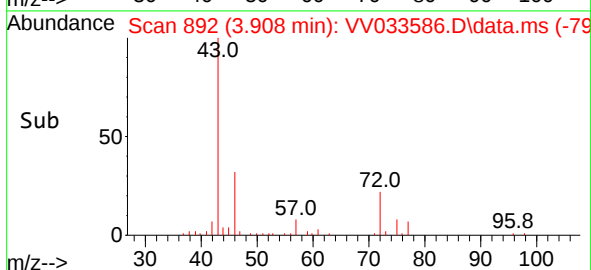
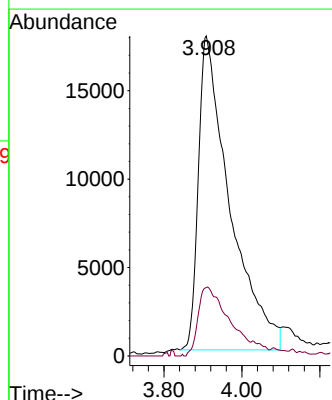
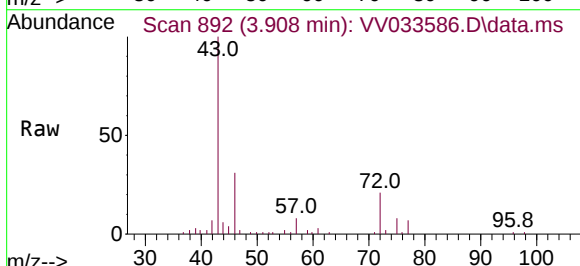
Acq: 12 Jan 2024 10:54

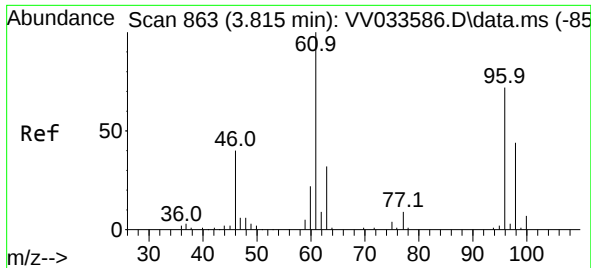
Tgt Ion: 43 Resp: 99064

Ion Ratio Lower Upper

43 100

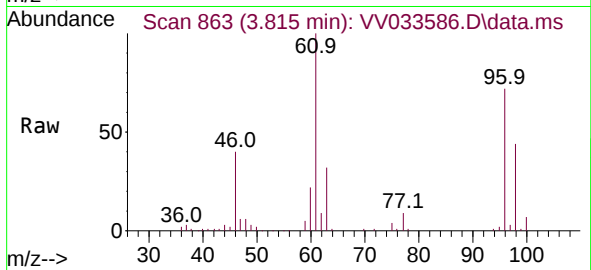
72 21.1 10.5 31.6





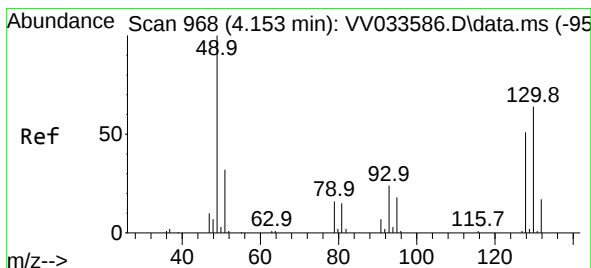
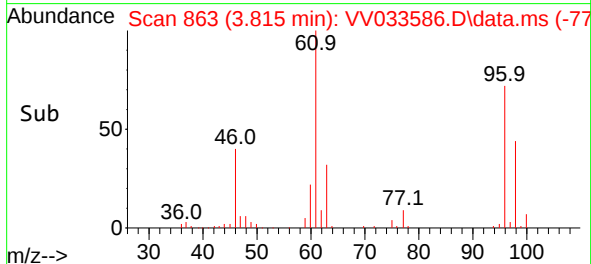
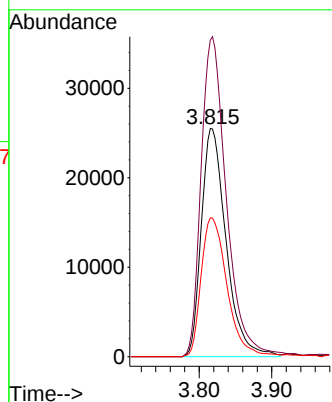
#22
 cis-1,2-Dichloroethene
 Concen: 5.239 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 60597

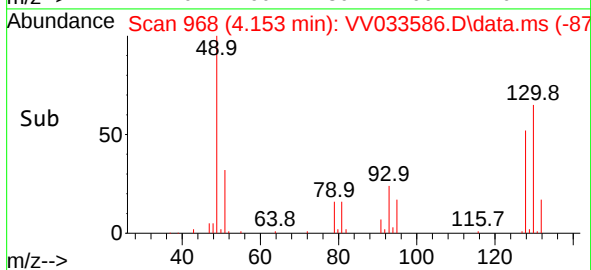
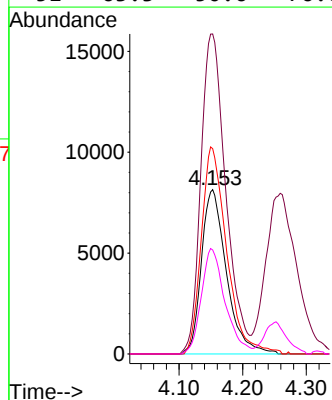
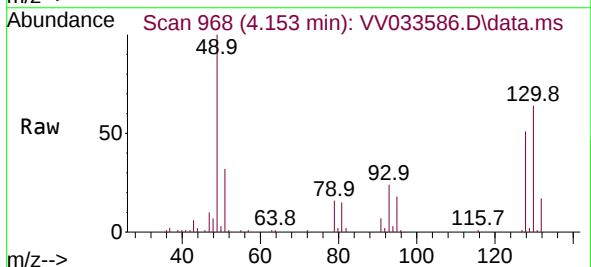
Ion	Ratio	Lower	Upper
96	100		
61	138.7	97.1	180.3
98	60.8	42.6	79.0

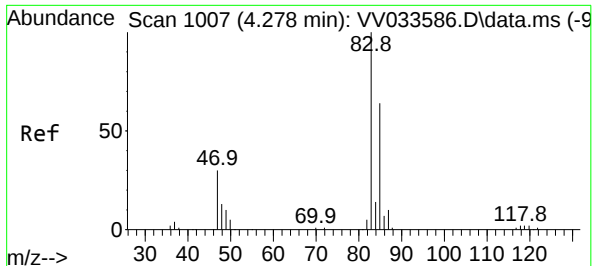


#23
 Bromochloromethane
 Concen: 5.024 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Tgt Ion: 128 Resp: 22243

Ion	Ratio	Lower	Upper
128	100		
49	194.8	136.4	253.2
130	125.0	87.5	162.5
51	63.3	50.6	76.0

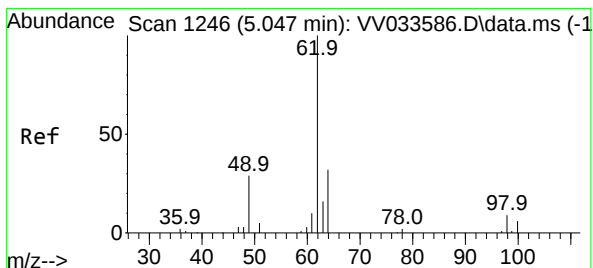
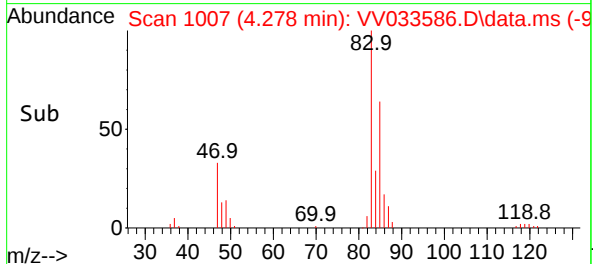
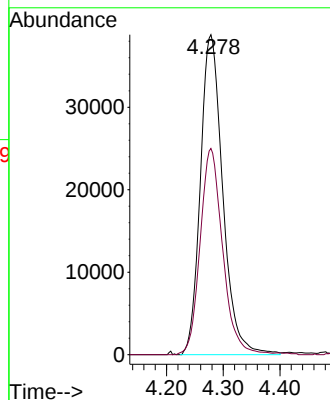
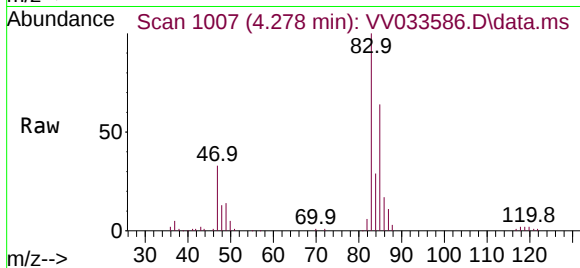




#25
Chloroform
Concen: 5.161 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

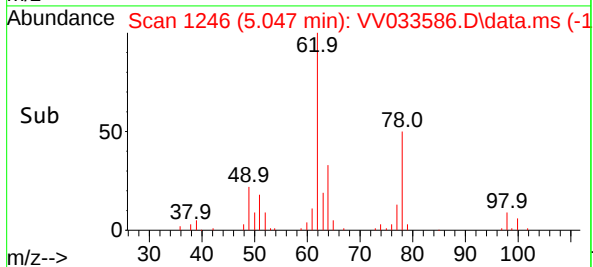
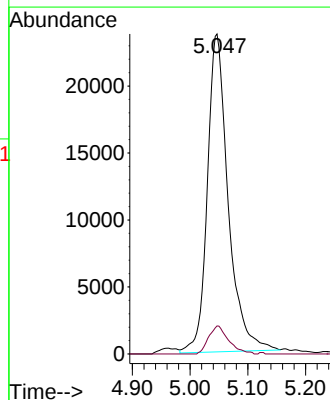
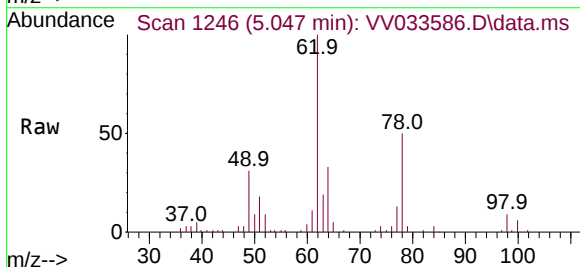
Instrument :
MSVOA_V
ClientSampleId :

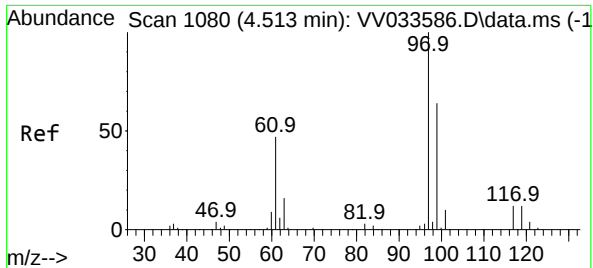
Tgt Ion: 83 Resp: 106512
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.978 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion: 62 Resp: 59521
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.183 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

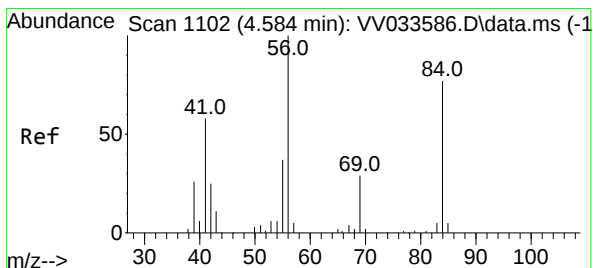
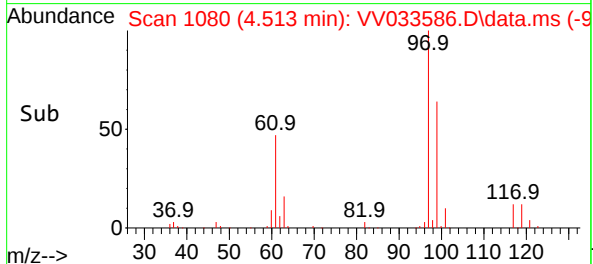
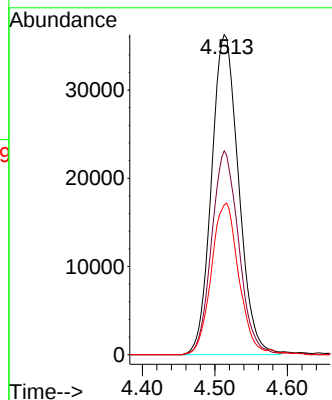
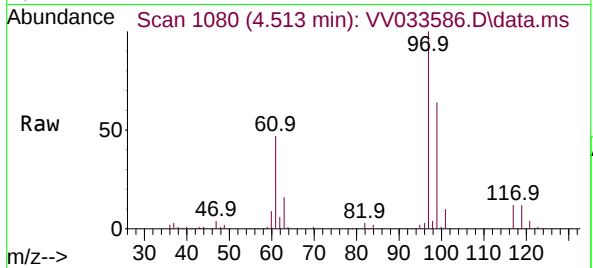
Tgt Ion: 97 Resp: 94332

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 47.6 38.1 57.1



#30

Cyclohexane

Concen: 5.682 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

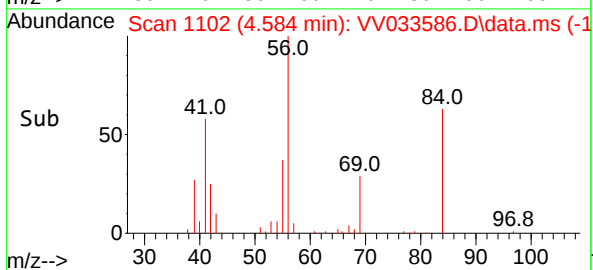
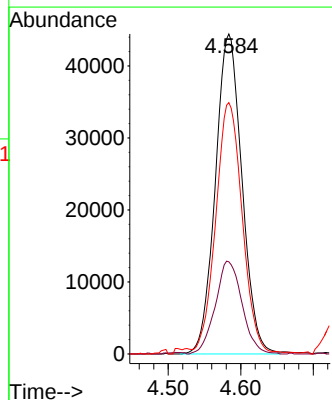
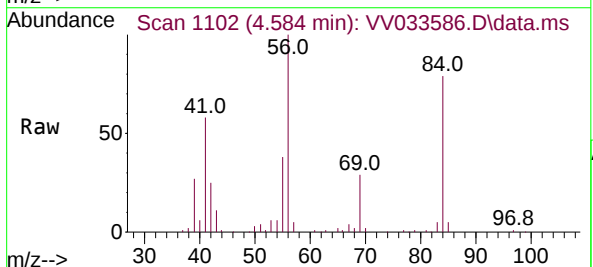
Tgt Ion: 56 Resp: 113245

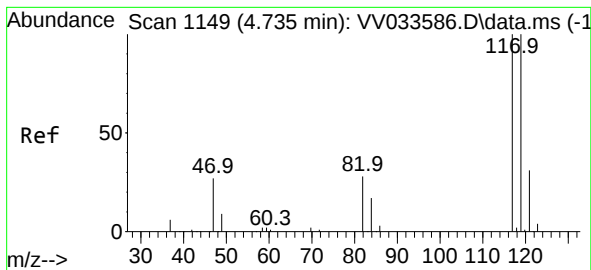
Ion Ratio Lower Upper

56 100

69 29.1 23.3 34.9

84 77.1 61.7 92.5





#31

Carbon tetrachloride

Concen: 5.372 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

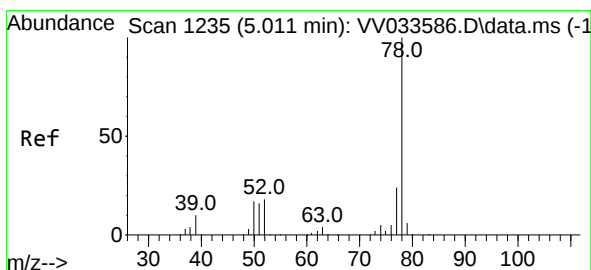
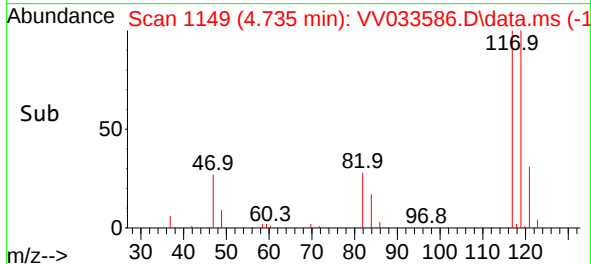
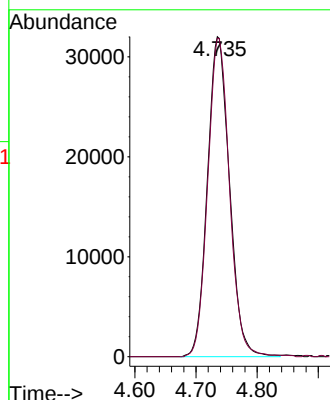
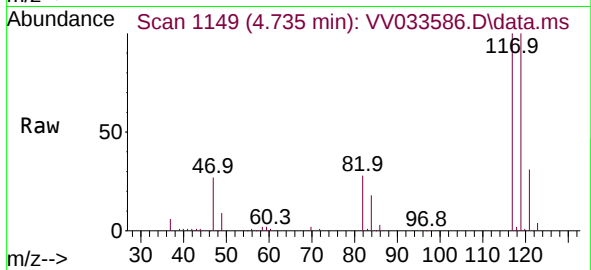
ClientSampleId :

Tgt Ion:117 Resp: 80395

Ion Ratio Lower Upper

117 100

119 97.9 78.3 117.5



#33

Benzene

Concen: 5.408 ug/L

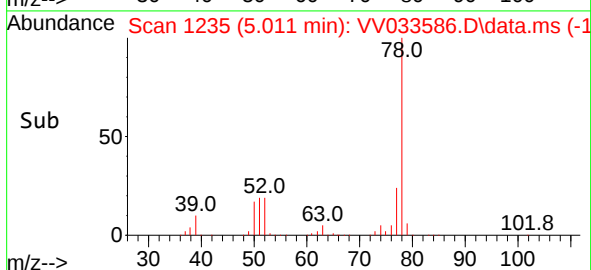
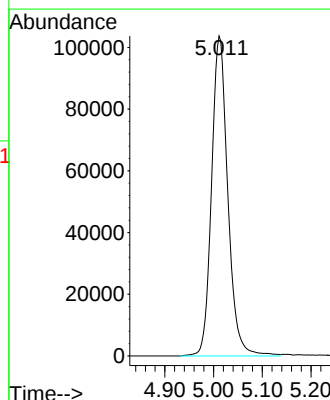
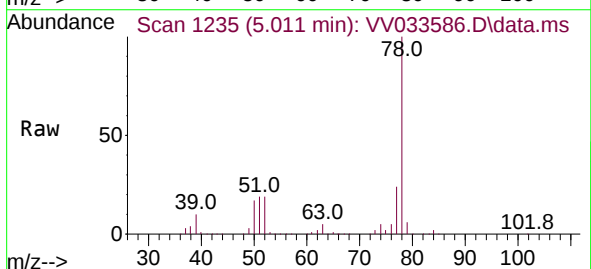
RT: 5.011 min Scan# 1235

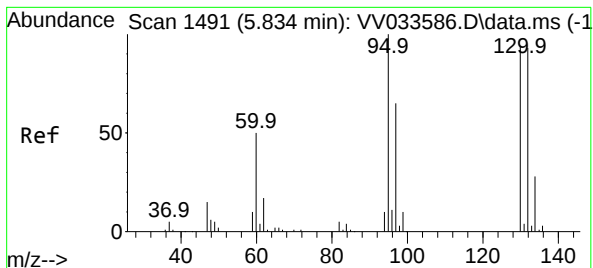
Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Tgt Ion: 78 Resp: 240242





#34

Trichloroethene

Concen: 5.254 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 62503

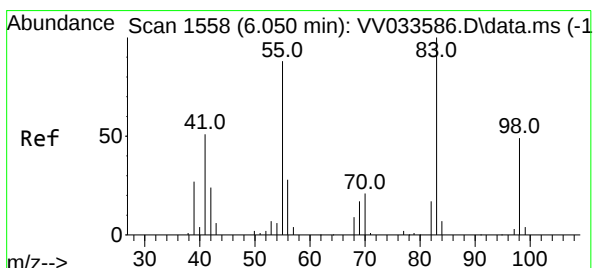
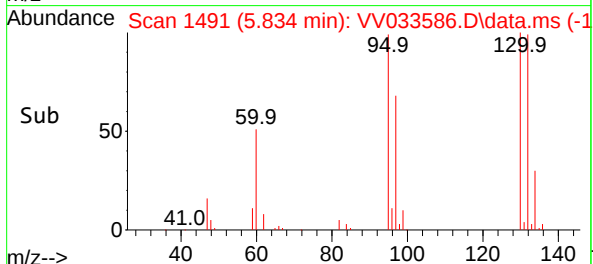
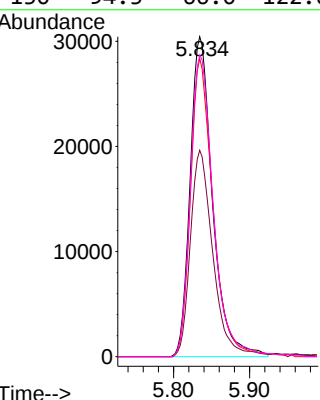
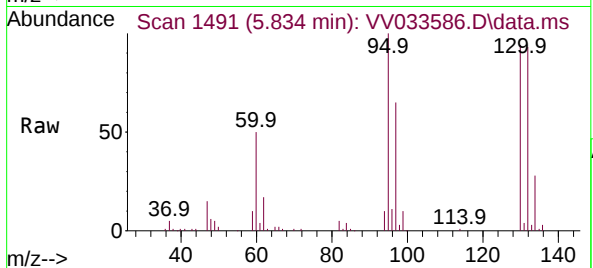
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 93.2 65.2 121.2

130 94.3 66.0 122.6



#35

Methylcyclohexane

Concen: 5.577 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

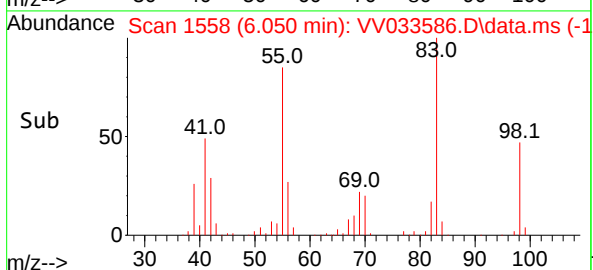
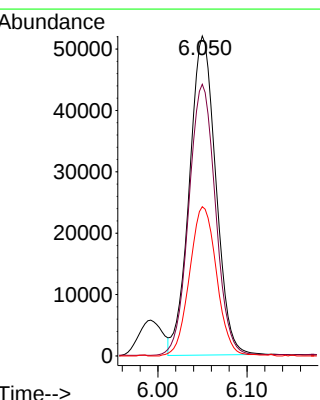
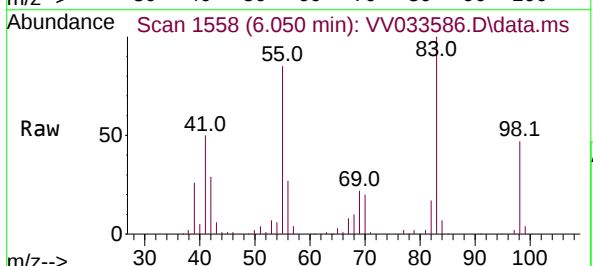
Tgt Ion: 83 Resp: 107079

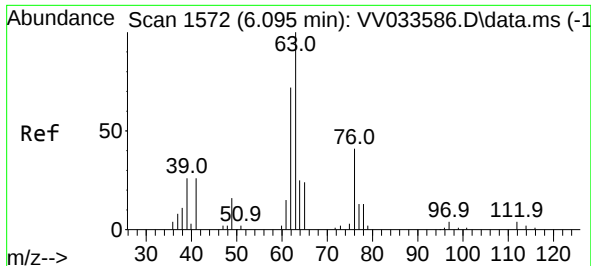
Ion Ratio Lower Upper

83 100

55 85.9 68.7 103.1

98 47.9 38.3 57.5

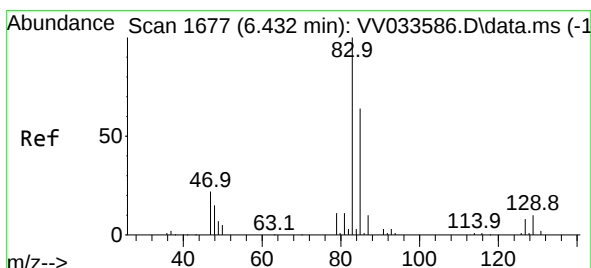
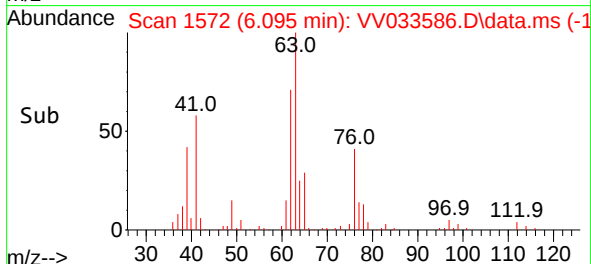
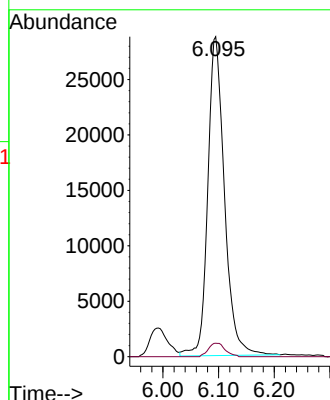
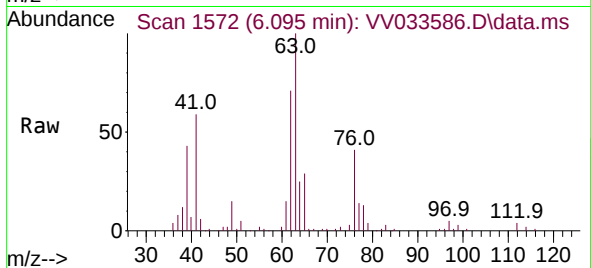




#37
1,2-Dichloropropane
Concen: 5.132 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

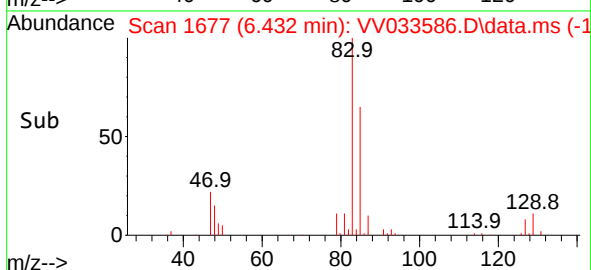
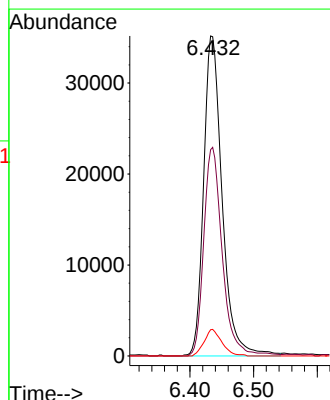
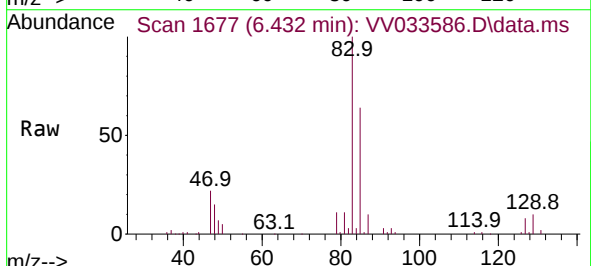
Instrument :
MSVOA_V
ClientSampleId :

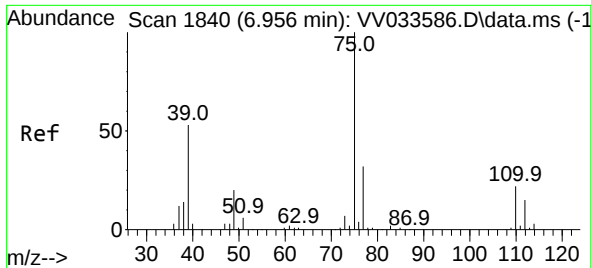
Tgt Ion: 63 Resp: 59742
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.2



#38
Bromodichloromethane
Concen: 4.993 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion: 83 Resp: 71268
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.916 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

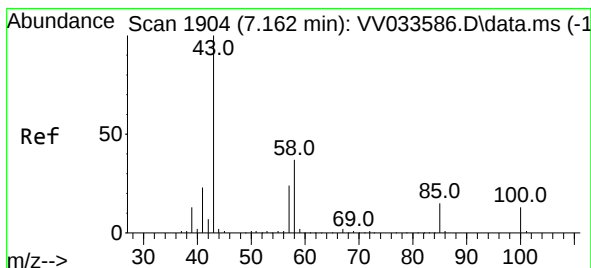
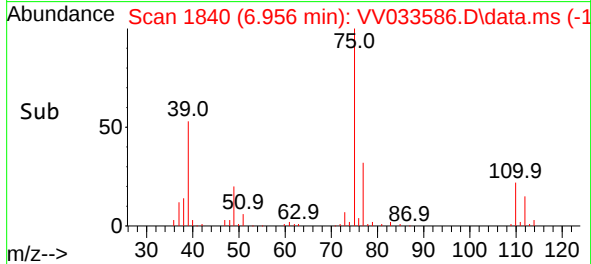
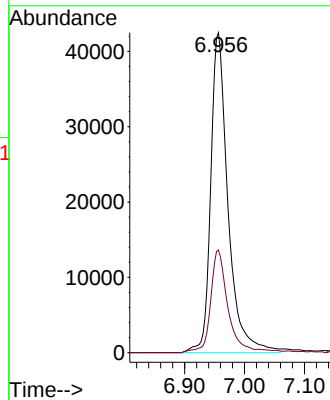
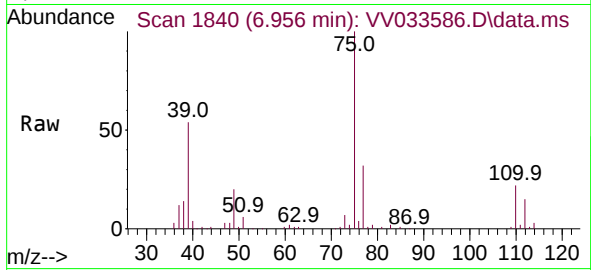
ClientSampleId :

Tgt Ion: 75 Resp: 85214

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 43.895 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

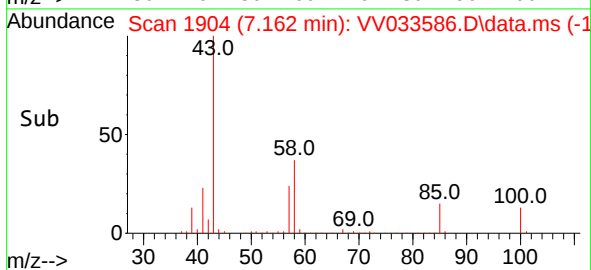
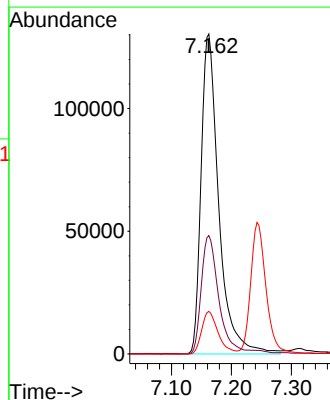
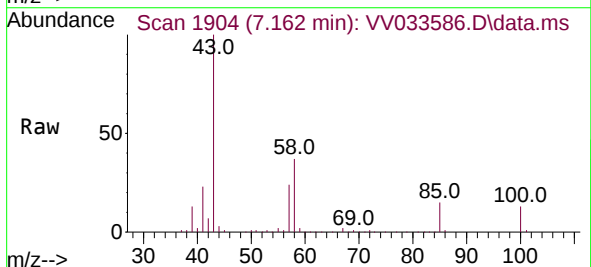
Tgt Ion: 43 Resp: 267635

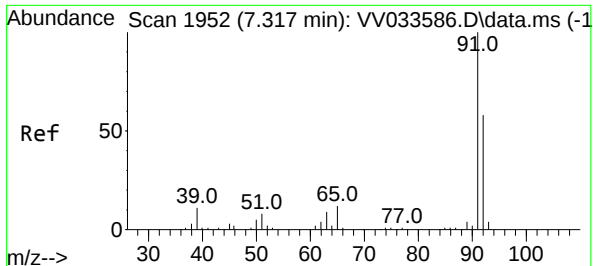
Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

100 12.4 9.9 14.9





#42

Toluene

Concen: 5.344 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

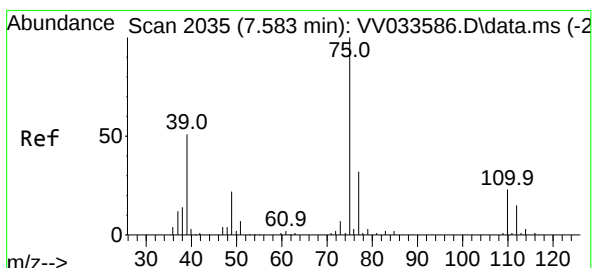
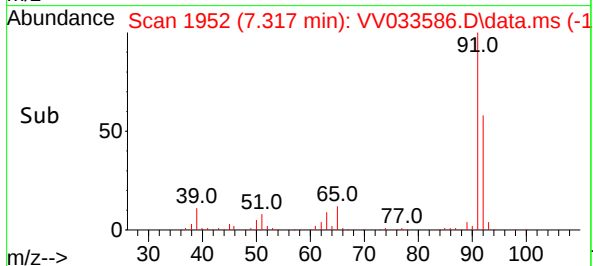
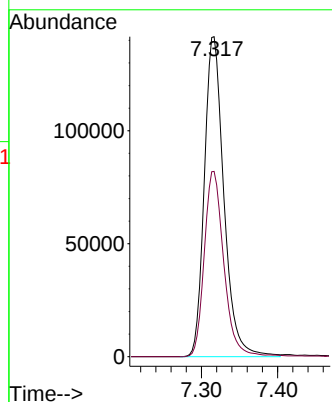
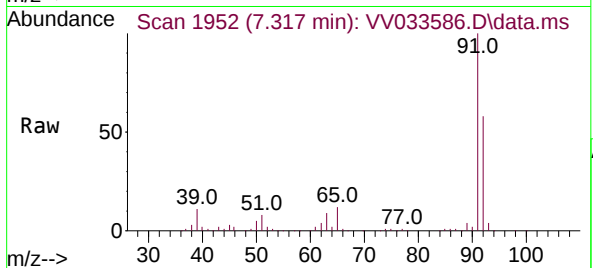
ClientSampleId :

Tgt Ion: 91 Resp: 253228

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV033586.D

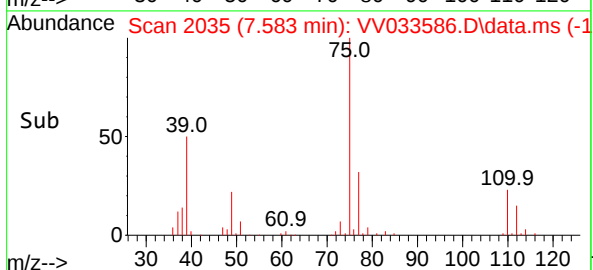
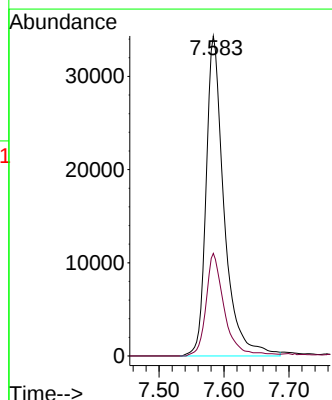
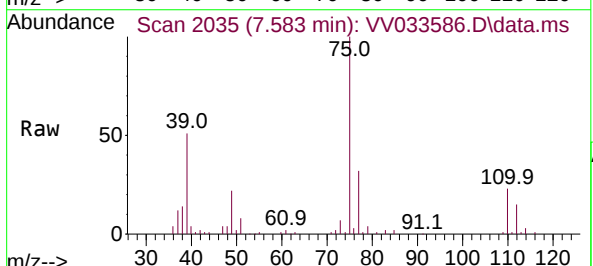
Acq: 12 Jan 2024 10:54

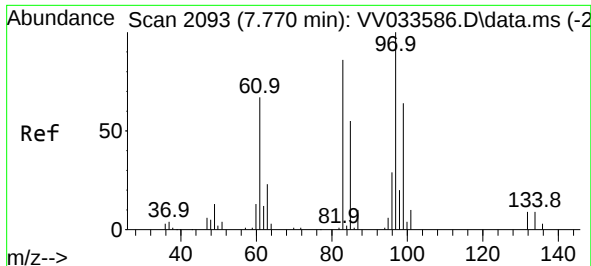
Tgt Ion: 75 Resp: 66316

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7

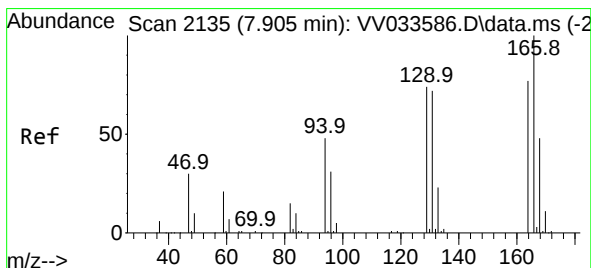
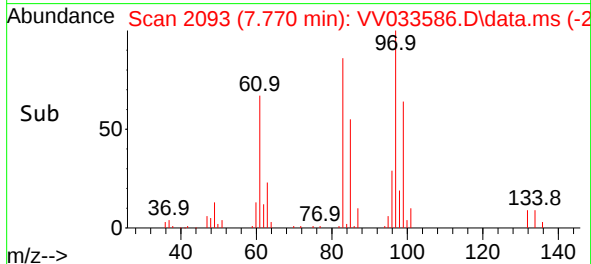
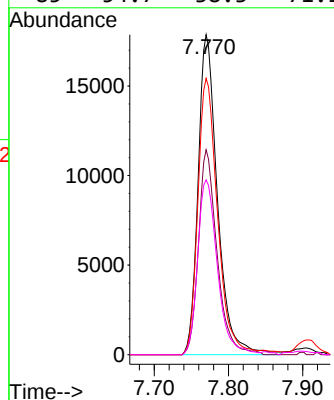
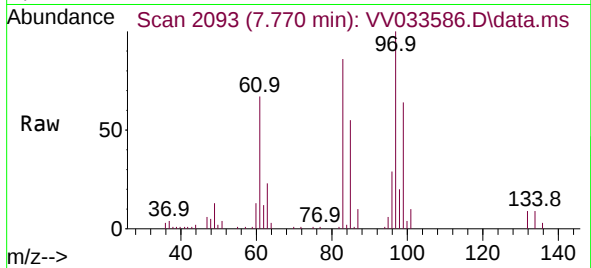




#45
 1,1,2-Trichloroethane
 Concen: 4.685 ug/L
 RT: 7.770 min Scan# 2093
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

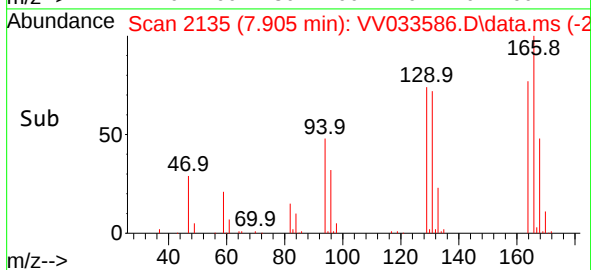
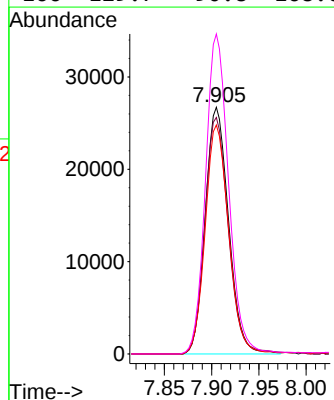
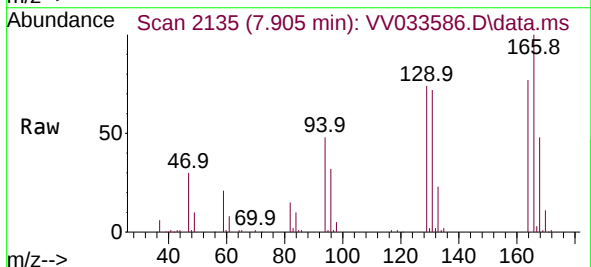
Instrument :
 MSVOA_V
 ClientSampleId :

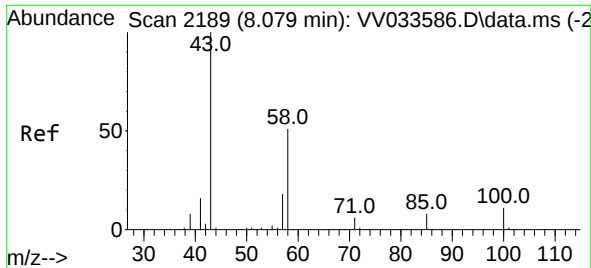
Tgt Ion:	97	Resp:	32461
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.9	83.3
83	86.4	60.5	112.3
85	54.7	38.3	71.1



#47
 Tetrachloroethene
 Concen: 5.451 ug/L
 RT: 7.905 min Scan# 2135
 Delta R.T. 0.000 min
 Lab File: VV033586.D
 Acq: 12 Jan 2024 10:54

Tgt Ion:	164	Resp:	45928
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.1	124.7
131	92.8	65.0	120.6
166	129.7	90.8	168.6



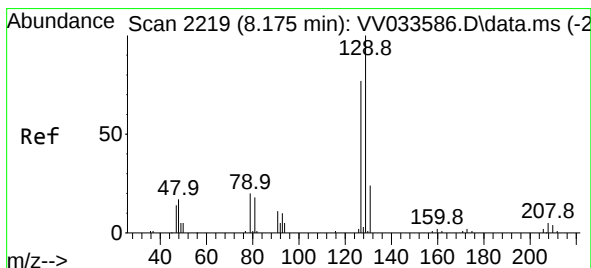
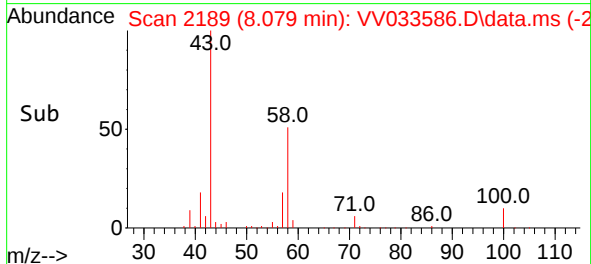
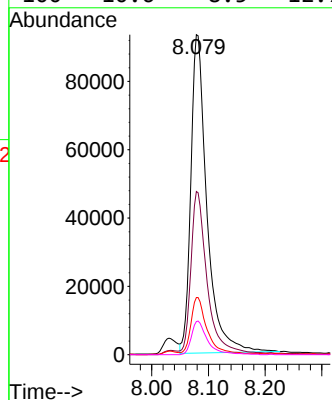
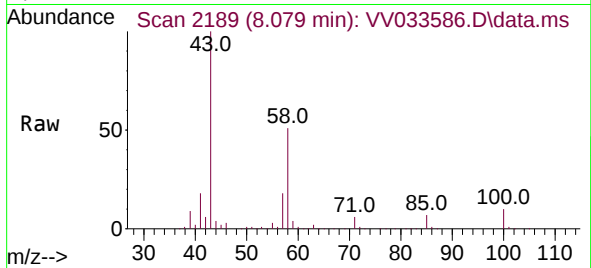


#48
2-Hexanone
Concen: 41.153 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 183958

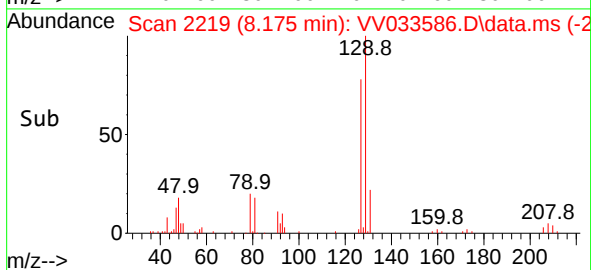
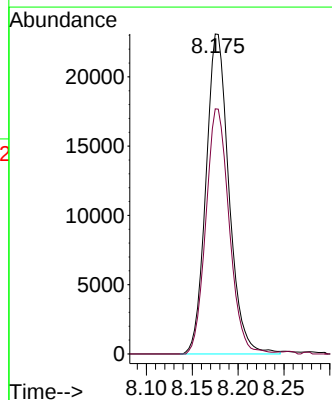
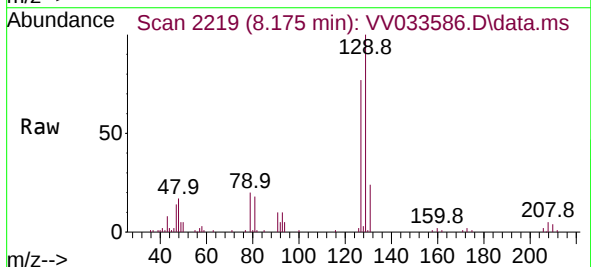
Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.6	61.0
57	17.3	13.8	20.8
100	10.6	8.5	12.7

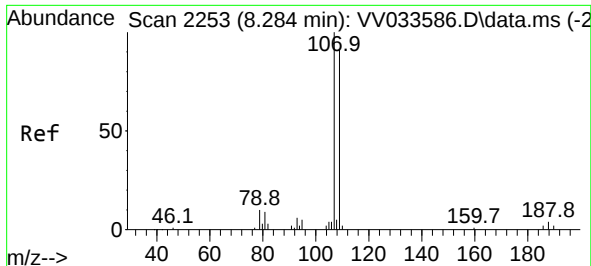


#49
Dibromochloromethane
Concen: 4.940 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion: 129 Resp: 40340

Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.6	99.6





#50

1,2-Dibromoethane

Concen: 4.671 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033586.D

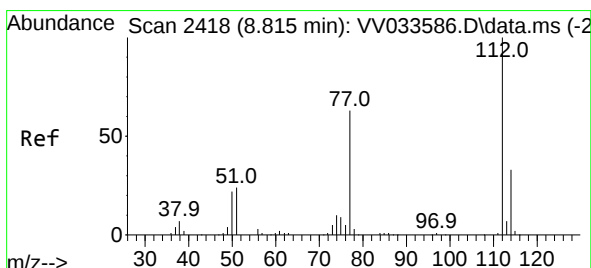
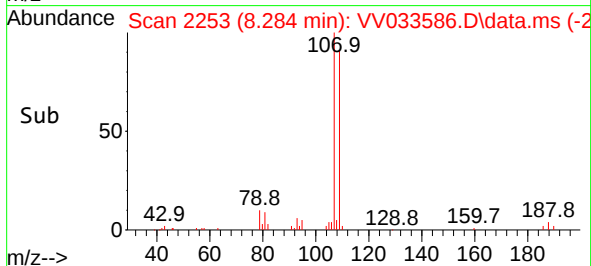
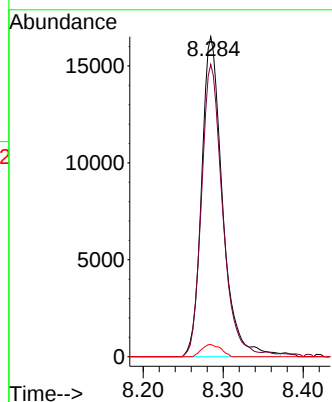
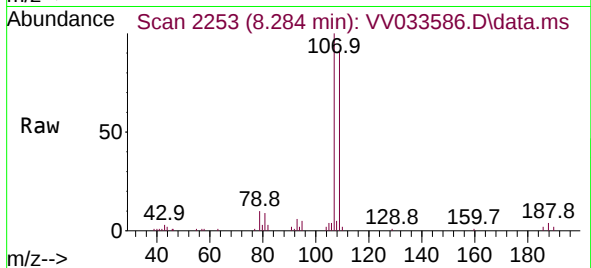
Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	30060
Ion	Ratio	Lower	Upper
107	100		
109	91.4	64.0	118.8
188	3.8	3.0	4.6



#51

Chlorobenzene

Concen: 5.171 ug/L

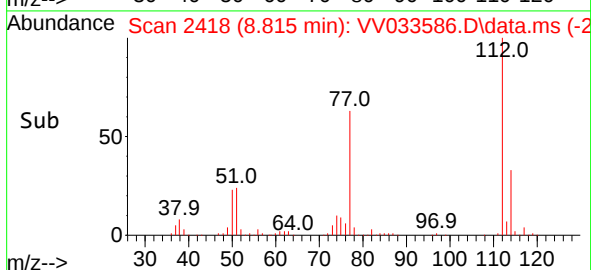
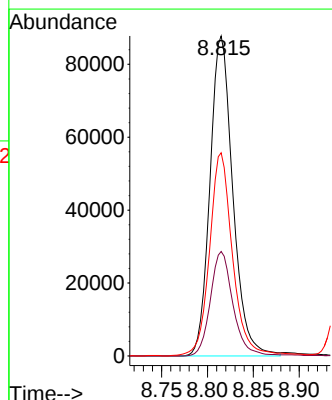
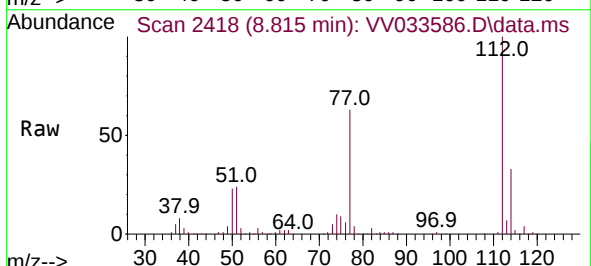
RT: 8.815 min Scan# 2418

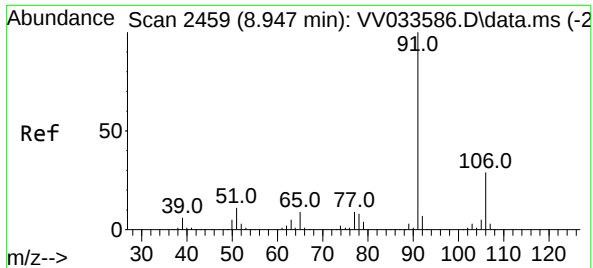
Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Tgt Ion:	112	Resp:	152303
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.9	42.5
77	63.5	50.8	76.2





#52

Ethylbenzene

Concen: 5.267 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

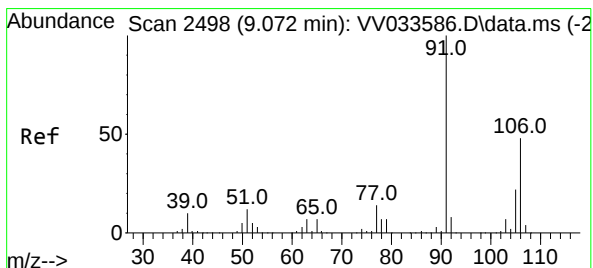
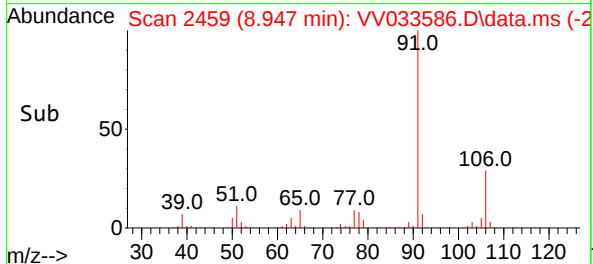
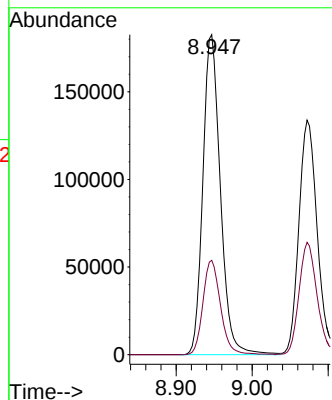
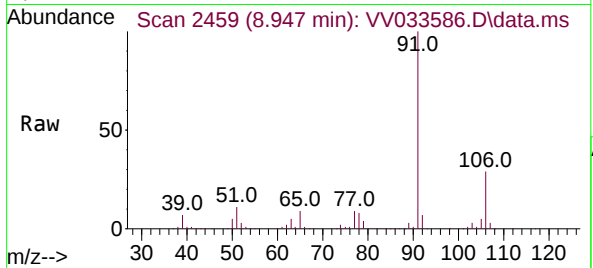
ClientSampleId :

Tgt Ion: 91 Resp: 292160

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#53

m,p-Xylene

Concen: 5.247 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033586.D

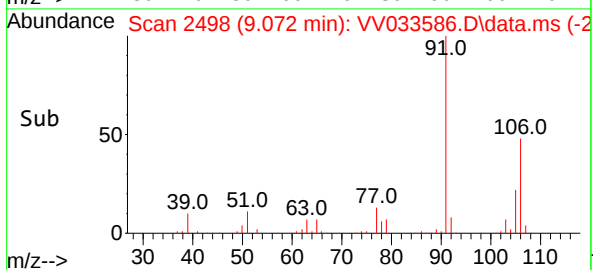
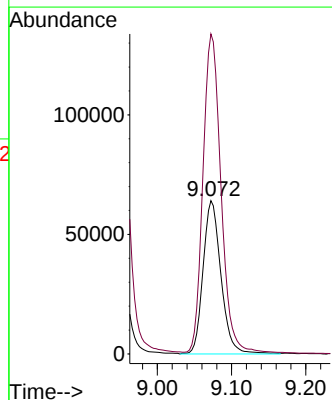
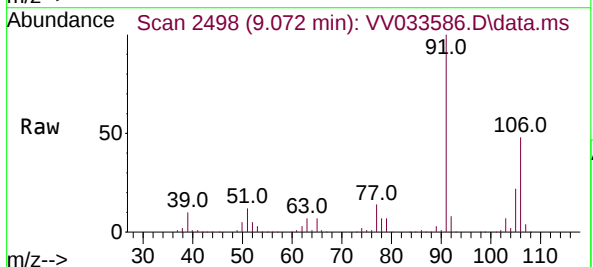
Acq: 12 Jan 2024 10:54

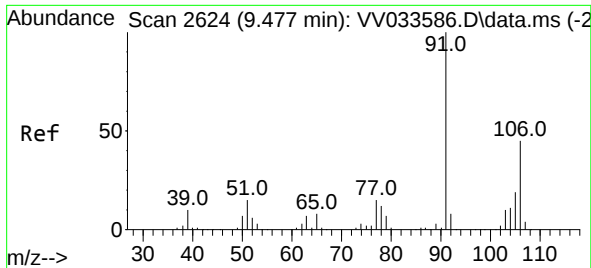
Tgt Ion:106 Resp: 107428

Ion Ratio Lower Upper

106 100

91 208.8 146.2 271.4

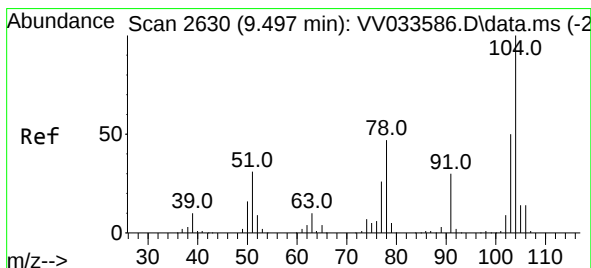
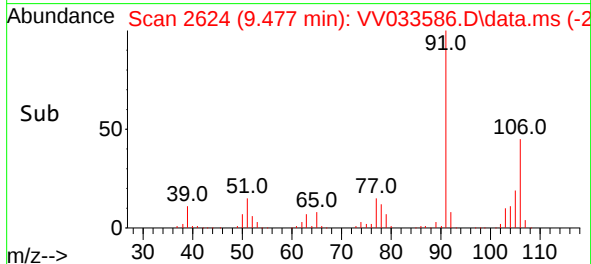
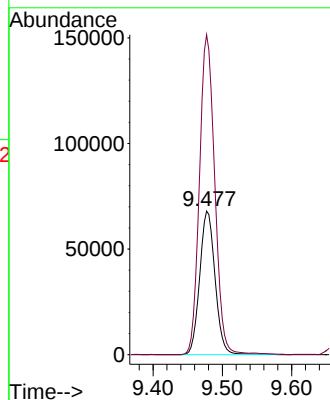
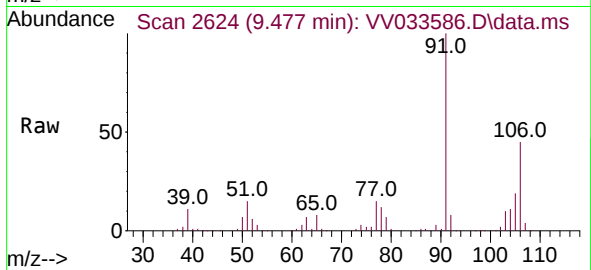




#54
o-Xylene
Concen: 5.246 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

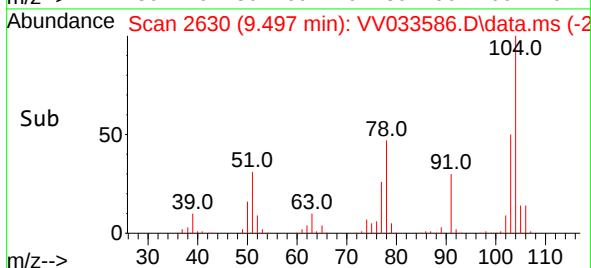
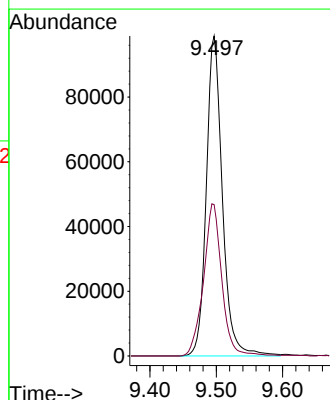
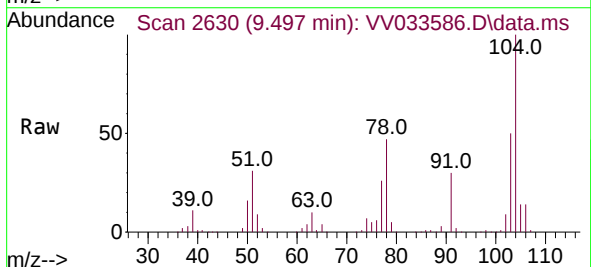
Instrument :
MSVOA_V
ClientSampleId :

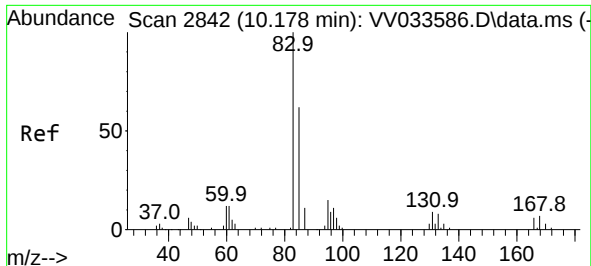
Tgt Ion:106 Resp: 104826
Ion Ratio Lower Upper
106 100
91 222.8 156.0 289.6



#55
Styrene
Concen: 5.057 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion:104 Resp: 166868
Ion Ratio Lower Upper
104 100
78 47.3 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.631 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

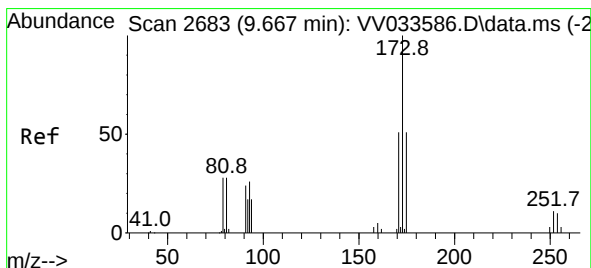
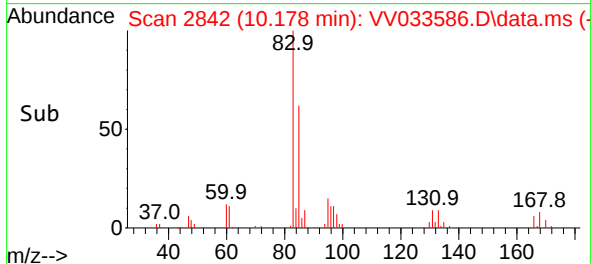
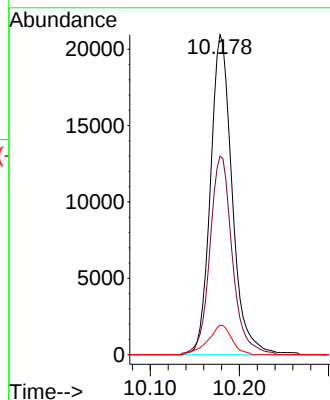
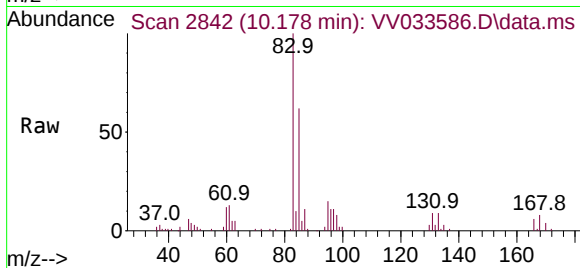
Tgt Ion: 83 Resp: 35401

Ion Ratio Lower Upper

83 100

85 62.1 43.5 80.7

131 9.2 7.4 11.0



#59

Bromoform

Concen: 4.885 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

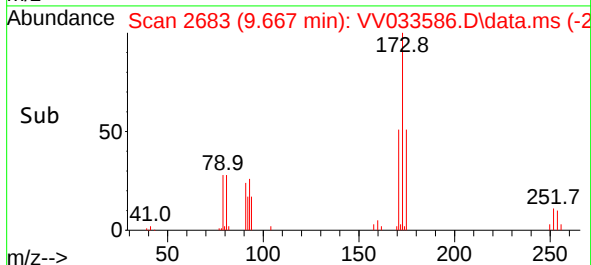
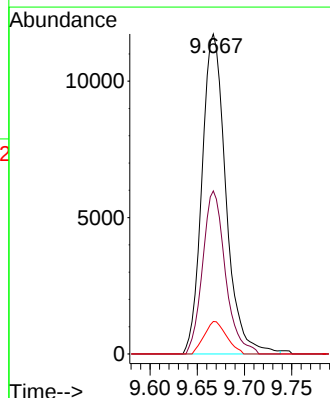
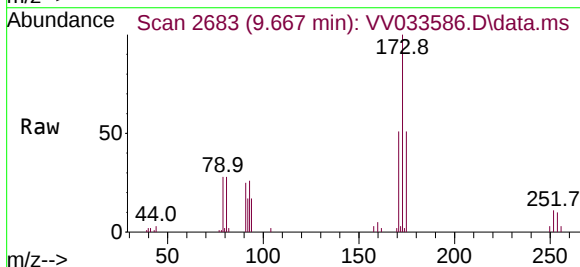
Tgt Ion:173 Resp: 20652

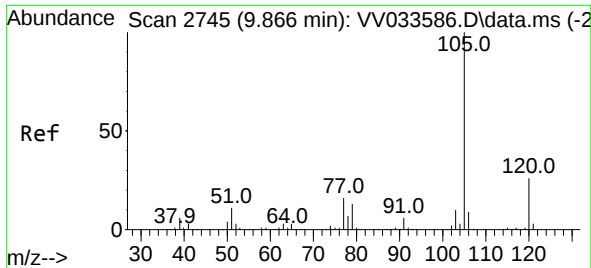
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.4 7.5 11.3

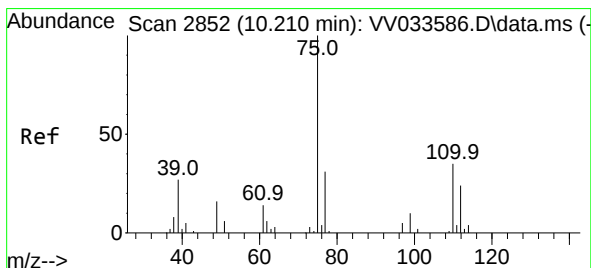
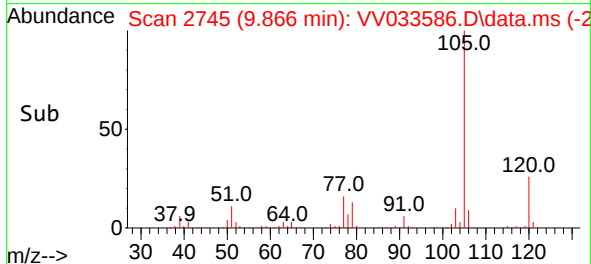
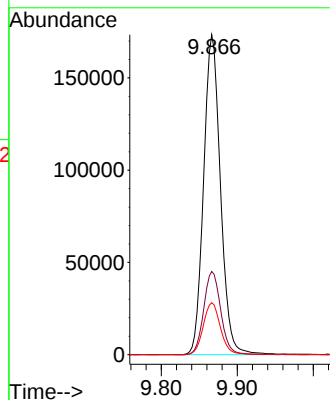
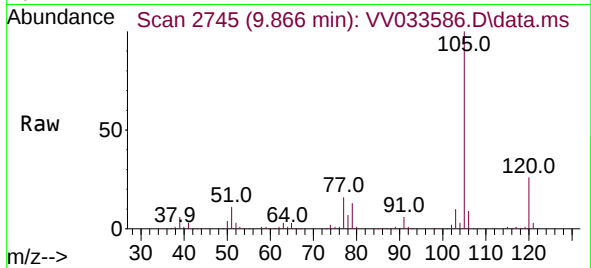




#60
Isopropylbenzene
Concen: 4.974 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

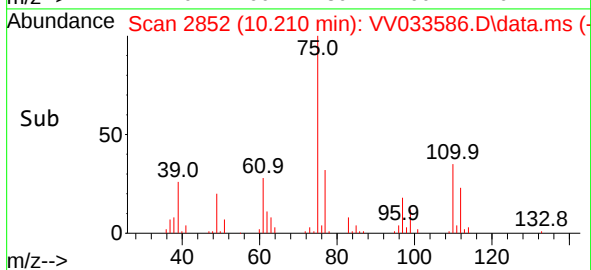
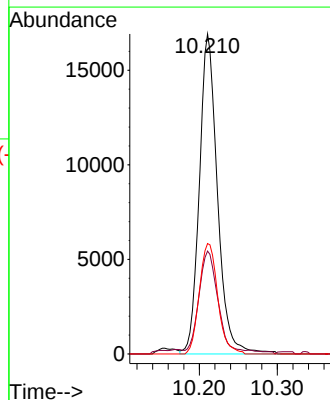
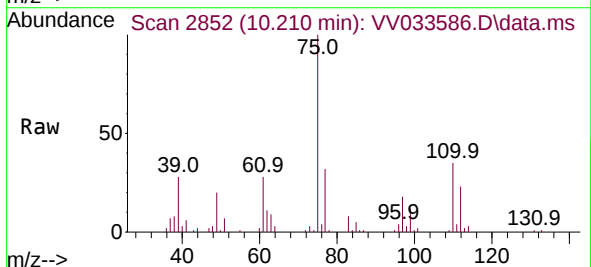
Instrument :
MSVOA_V
ClientSampleId :

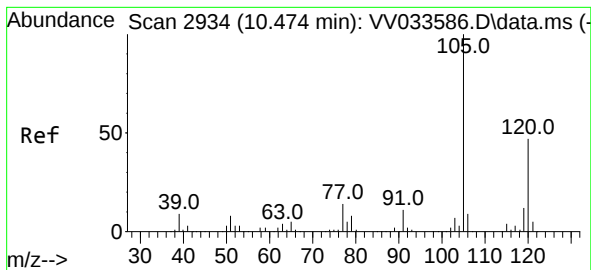
Tgt Ion:105 Resp: 267174
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 16.7 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 4.872 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion: 75 Resp: 27330
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1
110 35.0 28.0 42.0





#62

1,3,5-Trimethylbenzene

Concen: 5.168 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

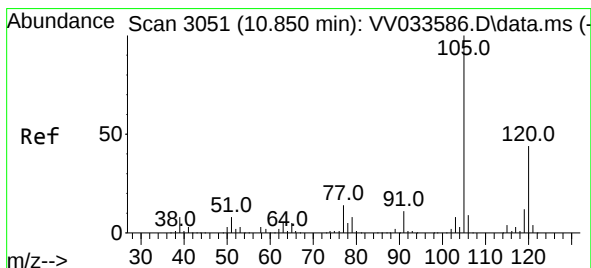
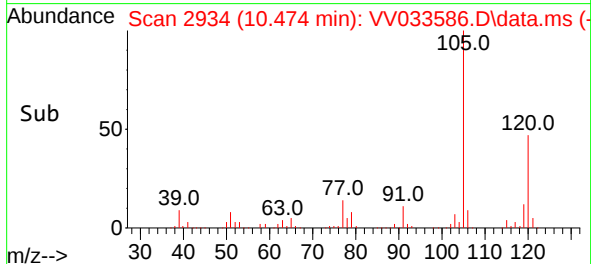
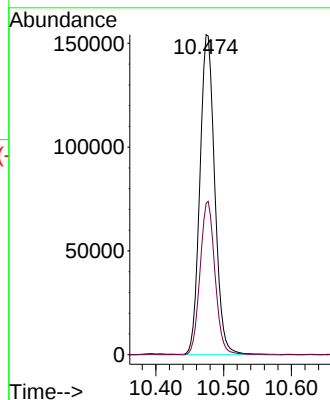
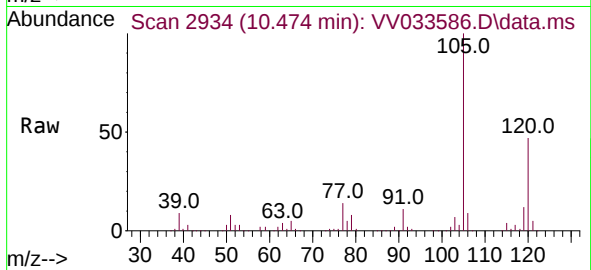
ClientSampleId :

Tgt Ion:105 Resp: 235169

Ion Ratio Lower Upper

105 100

120 47.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.244 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033586.D

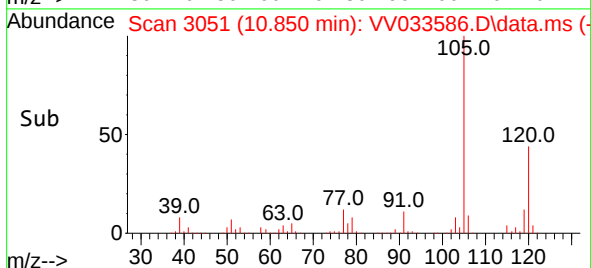
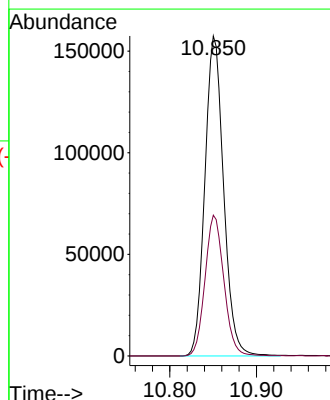
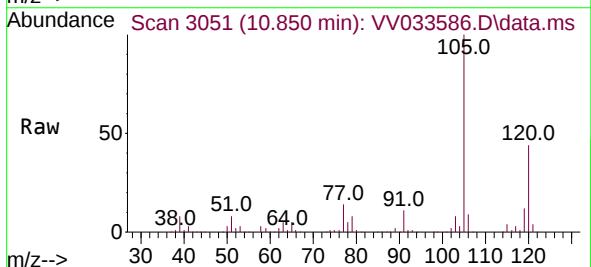
Acq: 12 Jan 2024 10:54

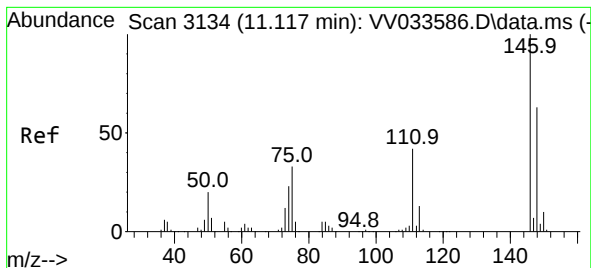
Tgt Ion:105 Resp: 236547

Ion Ratio Lower Upper

105 100

120 44.4 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 5.146 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

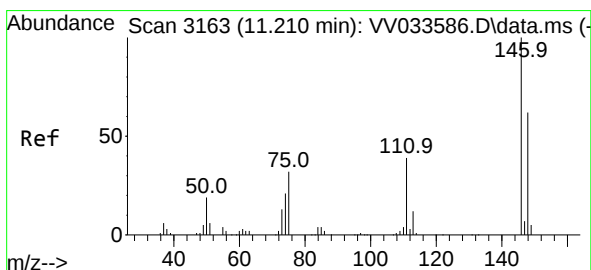
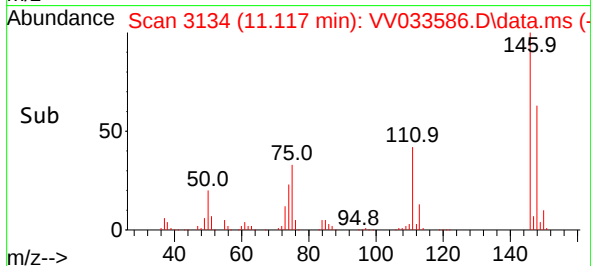
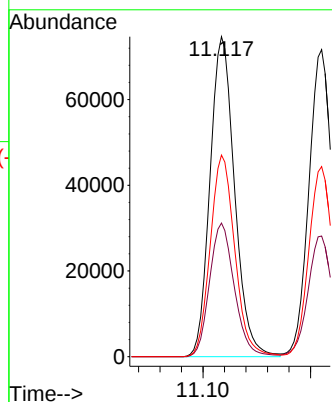
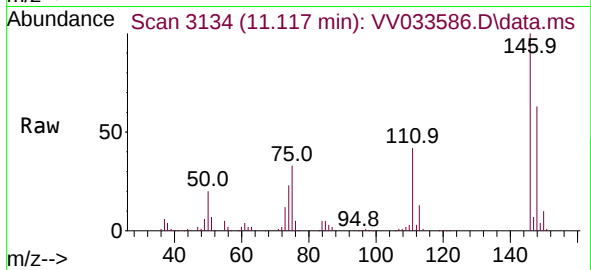
Tgt Ion:146 Resp: 118626

Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

148 63.0 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 4.861 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

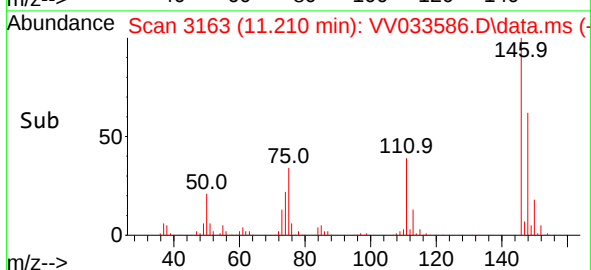
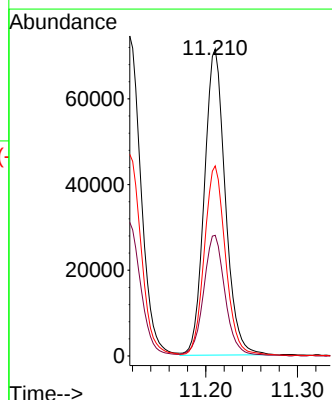
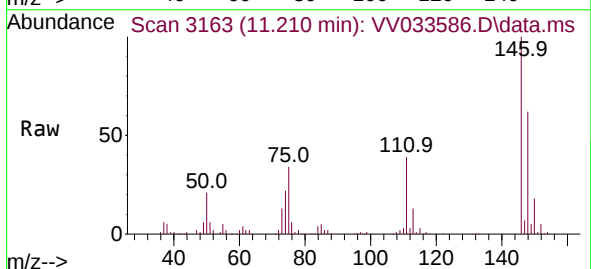
Tgt Ion:146 Resp: 113552

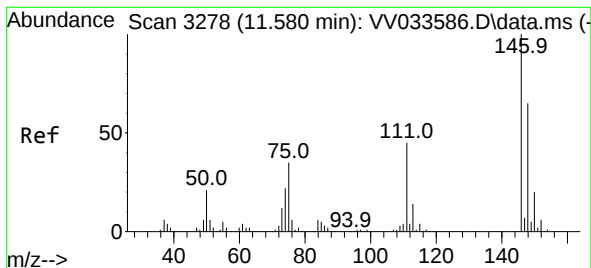
Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

148 61.9 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :

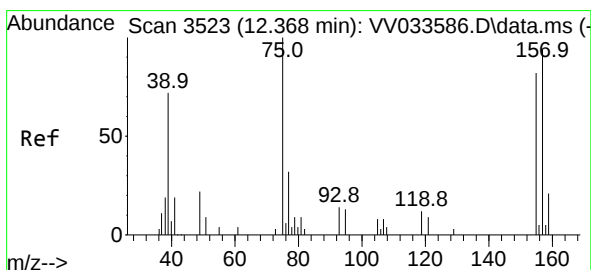
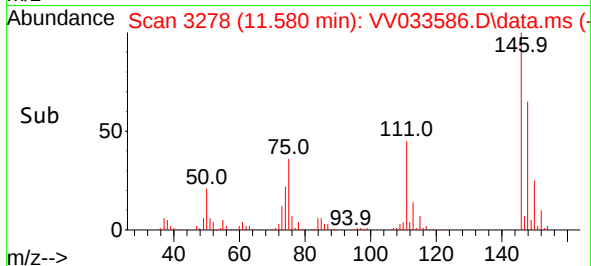
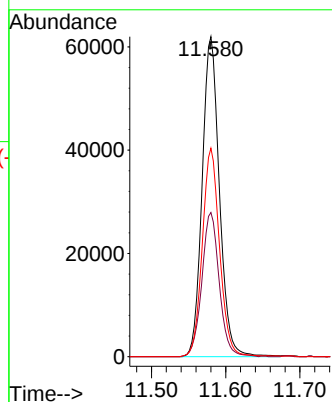
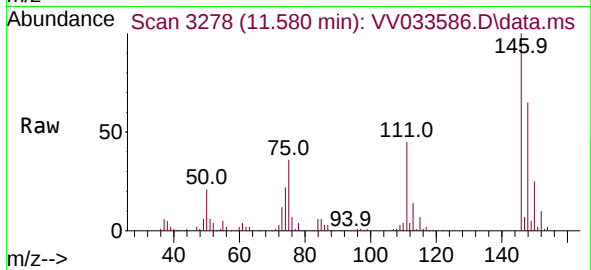
Tgt Ion:146 Resp: 100148

Ion Ratio Lower Upper

146 100

111 45.1 36.1 54.1

148 65.2 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.648 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

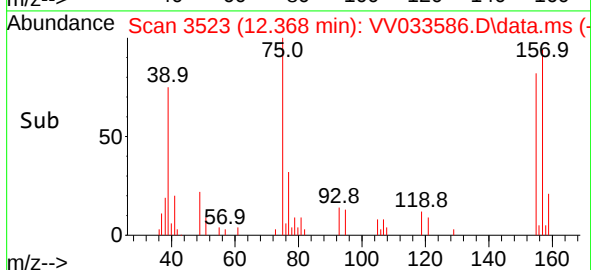
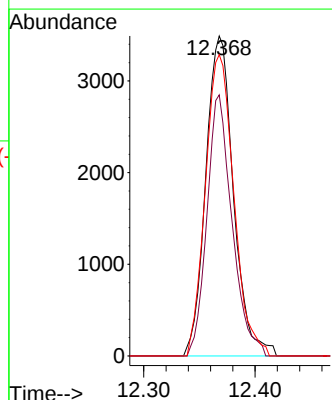
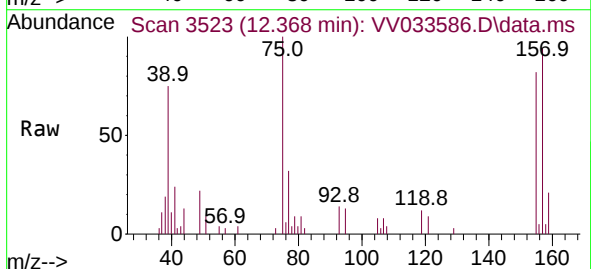
Tgt Ion: 75 Resp: 6027

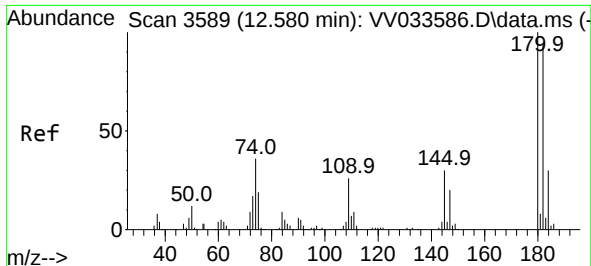
Ion Ratio Lower Upper

75 100

155 81.6 65.3 97.9

157 94.2 75.4 113.0





#69

1,3,5-Trichlorobenzene

Concen: 5.062 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

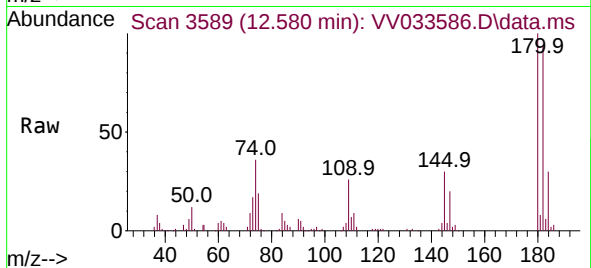
Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 89703

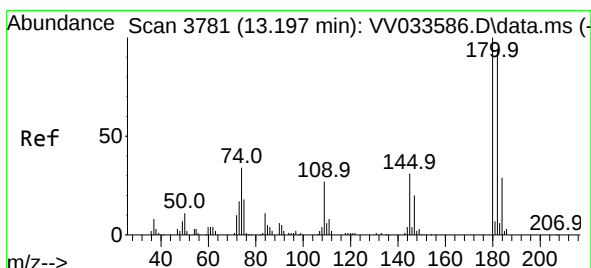
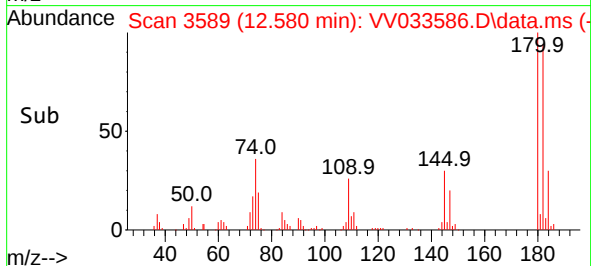
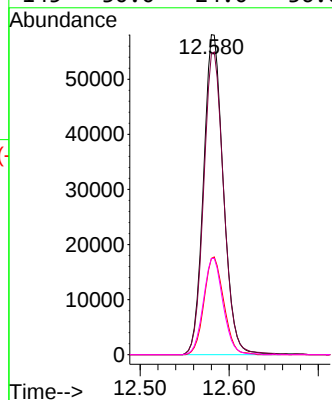
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.2 24.2 36.2

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.807 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033586.D

Acq: 12 Jan 2024 10:54

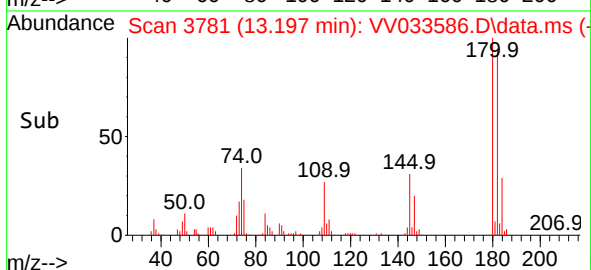
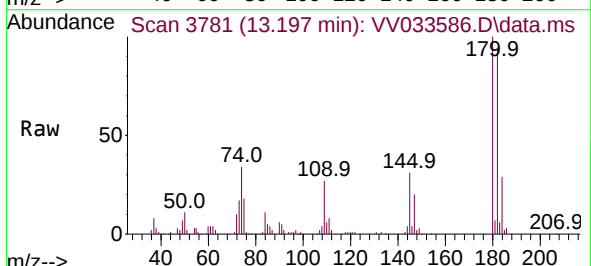
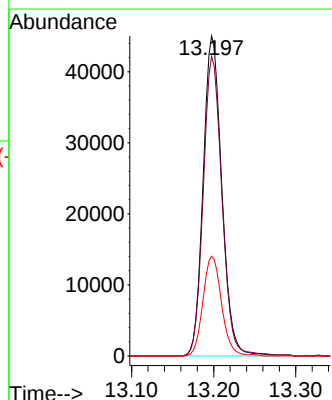
Tgt Ion:180 Resp: 71097

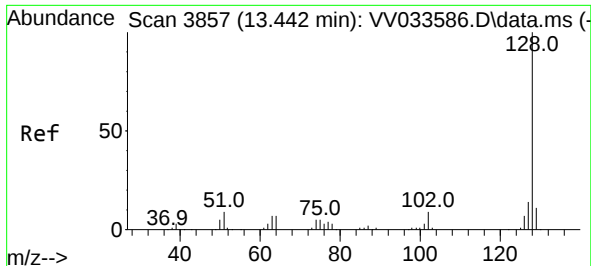
Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

145 31.0 24.8 37.2

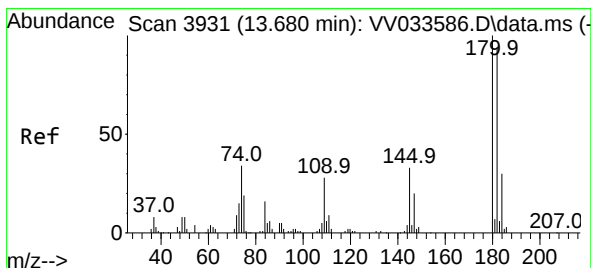
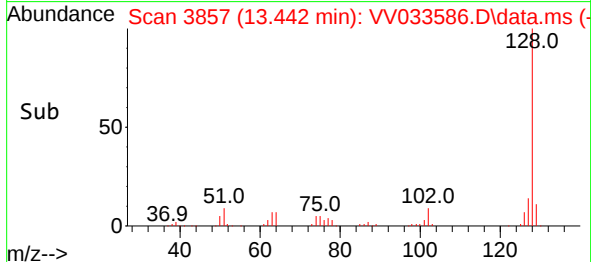
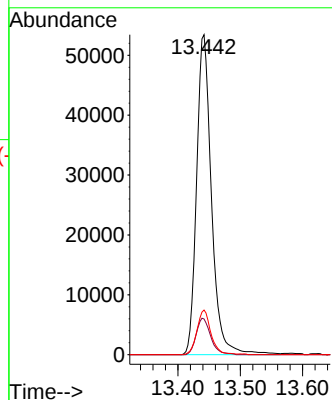
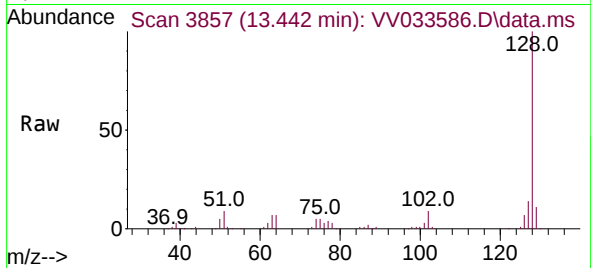




#71
Naphthalene
Concen: 4.332 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 88619
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.741 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033586.D
Acq: 12 Jan 2024 10:54

Tgt Ion:180 Resp: 54957
Ion Ratio Lower Upper
180 100
182 93.8 75.0 112.6
145 33.3 26.6 40.0

