

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031124\
 Data File : VU058044.D
 Acq On : 11 Mar 2024 15:52
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 12 03:09:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 12 03:05:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	151922	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	143159	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70247	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	42155	3.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.904	69	39975	4.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.560	65	20187	4.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.608	46	105976	58.843	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.680%
24) Chloroform-d	5.052	84	104494	5.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.695	65	47604	5.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.721	84	196706	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.682	67	62214	4.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.891	98	176910	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.177	79	20334	4.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.624	63	90145	61.562	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.120%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	43665	5.614	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	60097	5.195	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	44619	4.847	ug/L	99
3) Chloromethane	1.515	50	50709	4.711	ug/L	98
5) Vinyl chloride	1.599	62	56210	4.855	ug/L	100
6) Bromomethane	1.850	94	28296	4.640	ug/L	98
8) Chloroethane	1.927	64	37235	5.107	ug/L	97
9) Trichlorofluoromethane	2.132	101	83667	5.073	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	53057	5.145	ug/L	99
12) 1,1-Dichloroethene	2.573	96	45568	4.971	ug/L	90
13) Acetone	2.612	43	70524	52.618	ug/L	96
14) Carbon disulfide	2.785	76	134108	4.731	ug/L	99
15) Methyl Acetate	2.943	43	17150	5.766	ug/L	94
16) Methylene chloride	3.036	84	54735	4.913	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	110449	5.095	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	51227	5.131	ug/L	93
19) 1,1-Dichloroethane	3.859	63	104908	5.267	ug/L	99
21) 2-Butanone	4.689	43	110657	52.397	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	56717	5.164	ug/L	98
23) Bromochloromethane	4.965	128	22202	5.444	ug/L	94
25) Chloroform	5.078	83	107348	5.279	ug/L	98

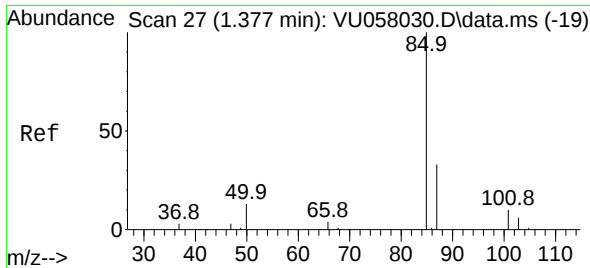
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031124\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	57558	5.113	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	87845	5.156	ug/L	99
30) Cyclohexane	5.380	56	83682	4.864	ug/L	100
31) Carbon tetrachloride	5.515	117	76489	5.166	ug/L	99
33) Benzene	5.766	78	225174	5.126	ug/L	100
34) Trichloroethene	6.534	95	59505	5.148	ug/L	96
35) Methylcyclohexane	6.756	83	86847	4.902	ug/L	99
37) 1,2-Dichloropropane	6.782	63	59463	5.249	ug/L	100
38) Bromodichloromethane	7.097	83	72200	5.253	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	81187	5.202	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	279886	53.710	ug/L	99
42) Toluene	7.965	91	234164	5.118	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	63145	5.077	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	35746	5.322	ug/L	98
47) Tetrachloroethene	8.547	164	46086	5.747	ug/L	98
48) 2-Hexanone	8.679	43	202875	53.087	ug/L	99
49) Dibromochloromethane	8.804	129	42103	5.296	ug/L	100
50) 1,2-Dibromoethane	8.920	107	33033	5.542	ug/L	96
51) Chlorobenzene	9.441	112	146294	5.099	ug/L	97
52) Ethylbenzene	9.566	91	263923	5.155	ug/L	100
53) m,p-Xylene	9.688	106	95607	5.227	ug/L	99
54) o-Xylene	10.097	106	93833	5.147	ug/L	99
55) Styrene	10.110	104	151852	5.307	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	43434	5.489	ug/L	97
59) Bromoform	10.286	173	20994	5.359	ug/L	99
60) Isopropylbenzene	10.479	105	243974	5.215	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	31341	5.447	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	202280	5.126	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	204024	5.239	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	110867	5.214	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	107509	5.165	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	99742	5.372	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	6247	5.472	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	78071	5.104	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	58103	5.055	ug/L	99
71) Naphthalene	14.084	128	73351	4.673	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	45800	5.045	ug/L	98

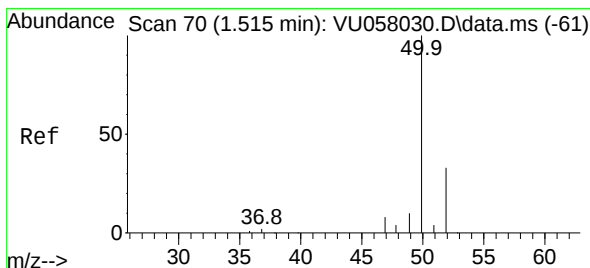
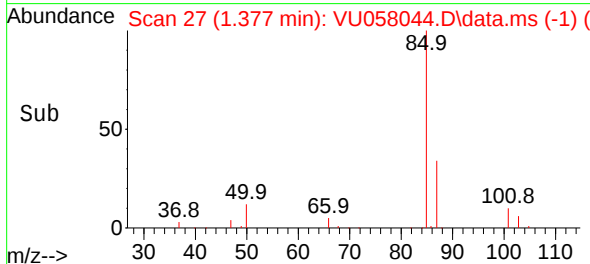
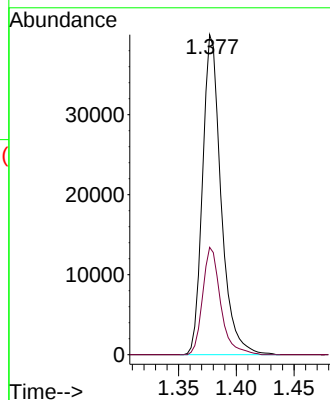
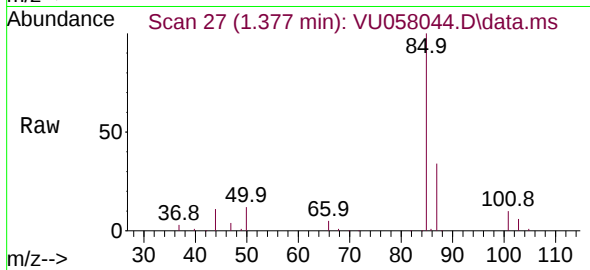
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.847 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52

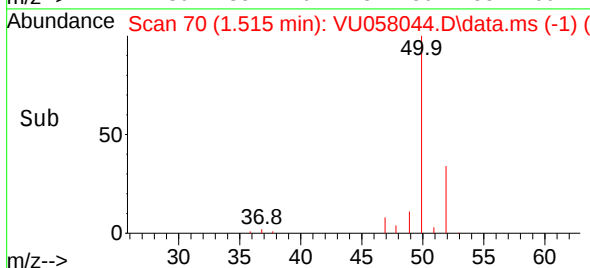
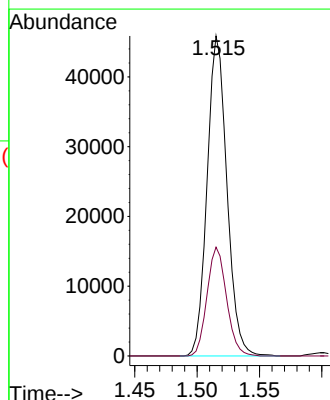
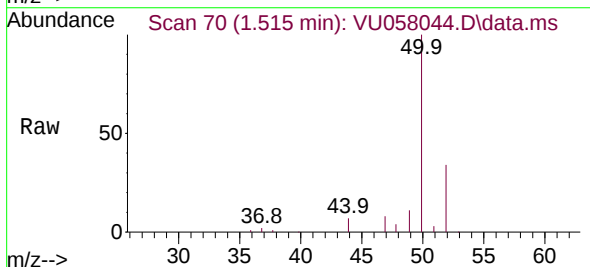
Instrument :
 MSVOA_U
 ClientSampleId :

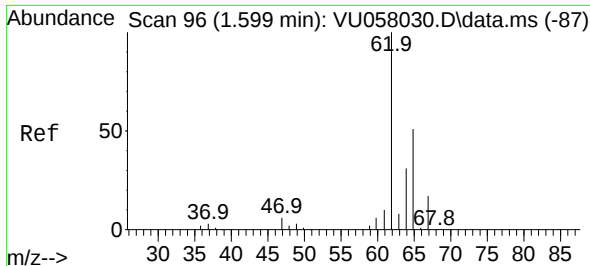
Tgt Ion: 85 Resp: 44619
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.6



#3
 Chloromethane
 Concen: 4.711 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52

Tgt Ion: 50 Resp: 50709
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.1 42.9

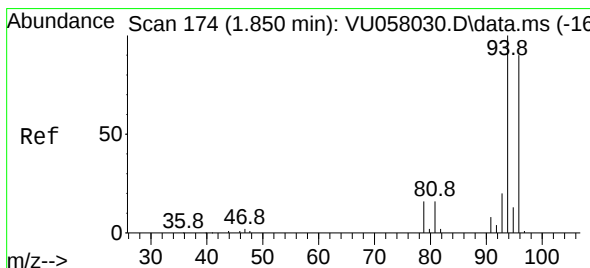
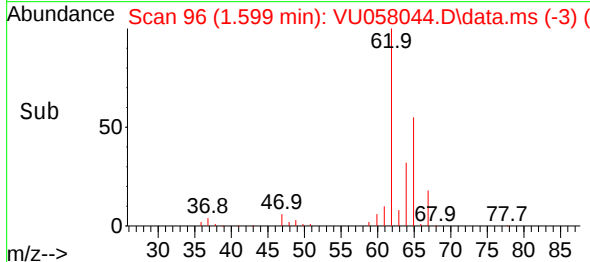
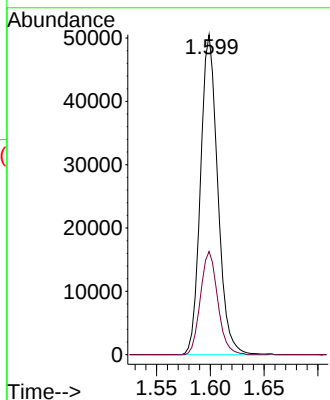
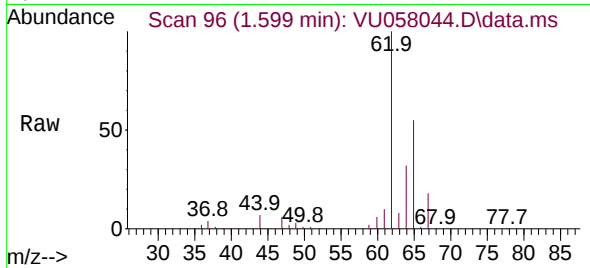




#5
 Vinyl chloride
 Concen: 4.855 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52

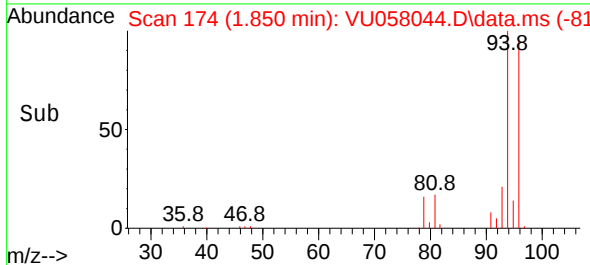
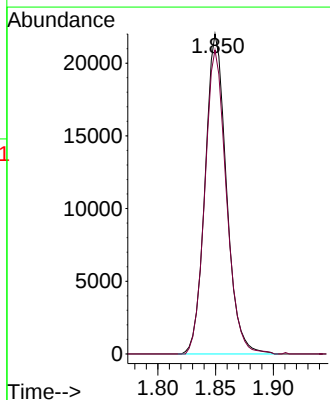
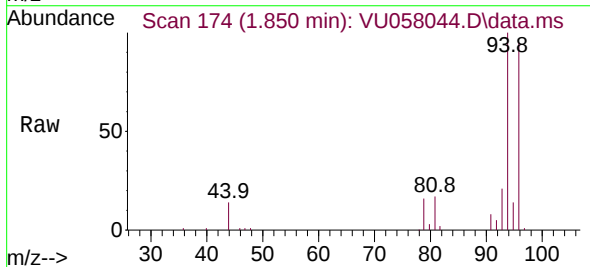
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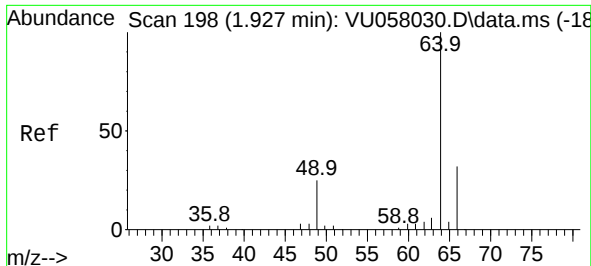
Tgt Ion: 62 Resp: 56210
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.5 41.7



#6
 Bromomethane
 Concen: 4.640 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. -0.000 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52

Tgt Ion: 94 Resp: 28296
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.2 121.2

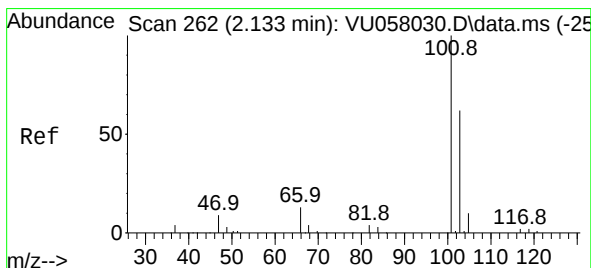
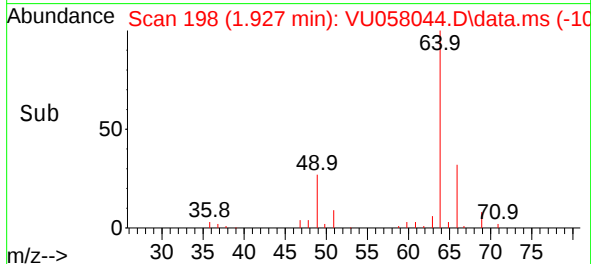
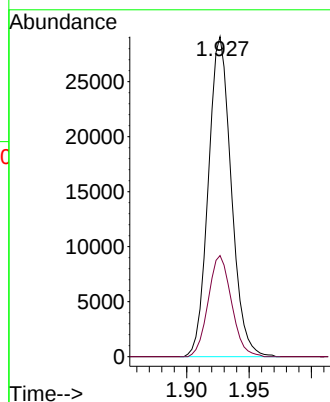
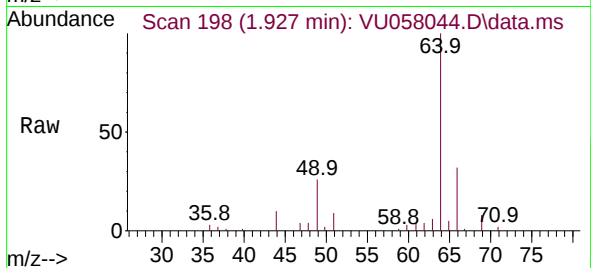




#8
Chloroethane
Concen: 5.107 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

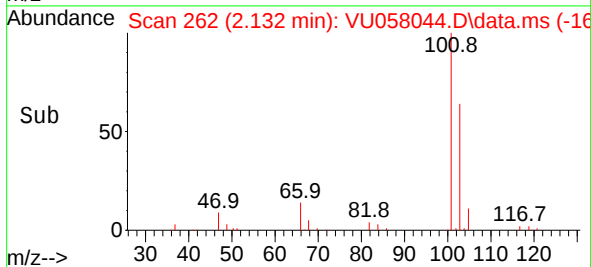
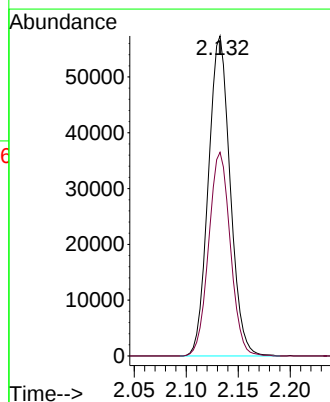
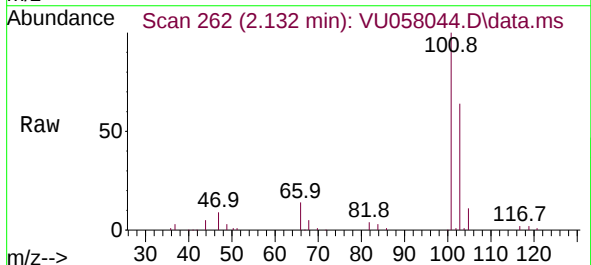
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MSVOA_U
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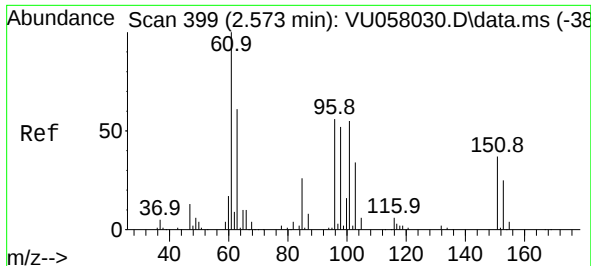
Tgt Ion: 64 Resp: 37235
Ion Ratio Lower Upper
64 100
66 31.6 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.073 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion:101 Resp: 83667
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2

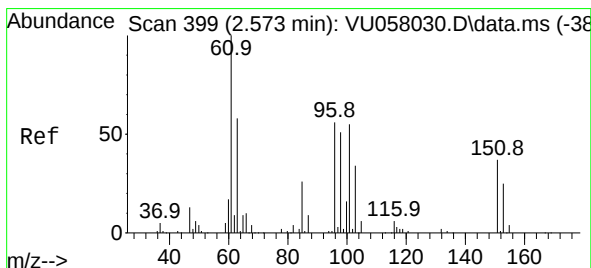
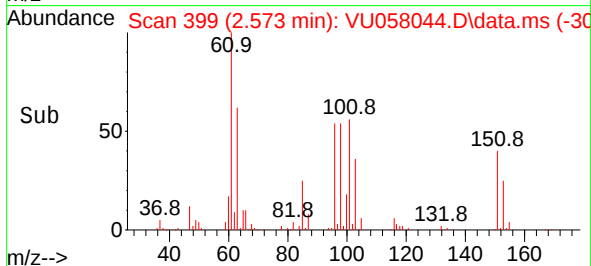
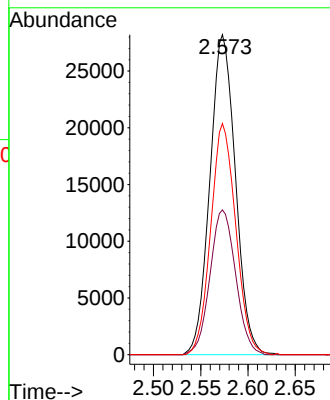
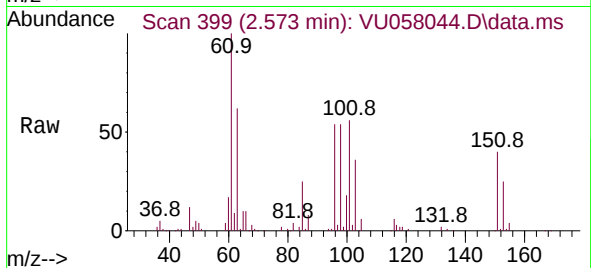




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.145 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

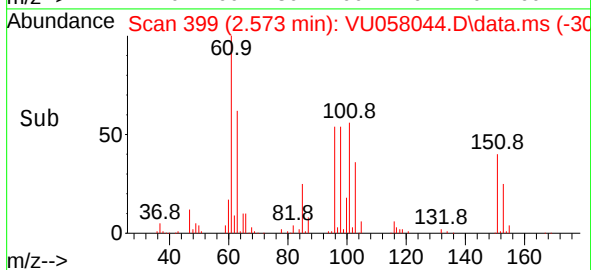
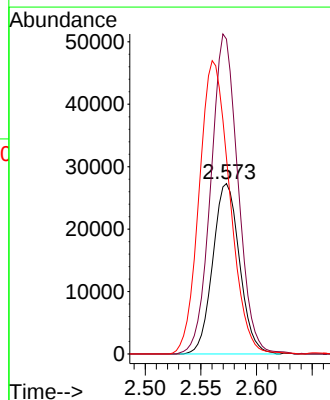
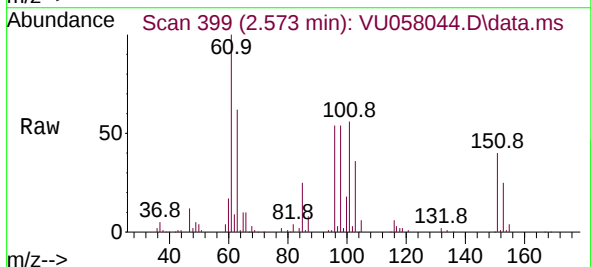
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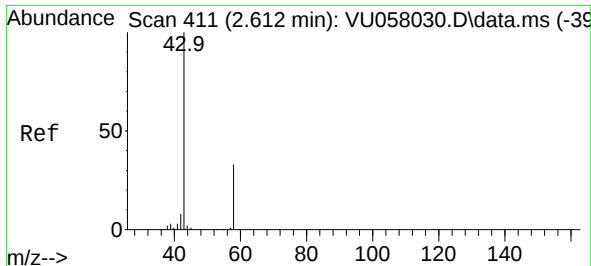
Tgt Ion:101 Resp: 53057
Ion Ratio Lower Upper
101 100
85 45.4 37.3 55.9
151 70.8 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.971 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 96 Resp: 45568
Ion Ratio Lower Upper
96 100
61 184.9 131.8 244.8
63 115.3 98.1 182.1





#13

Acetone

Concen: 52.618 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

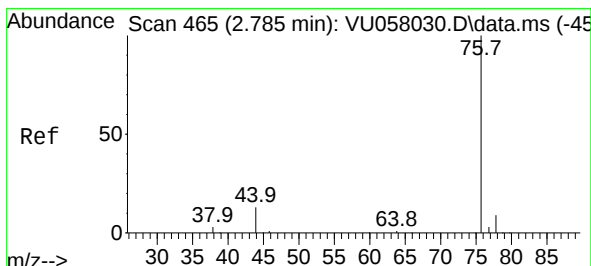
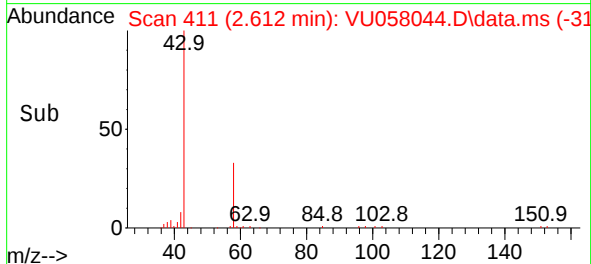
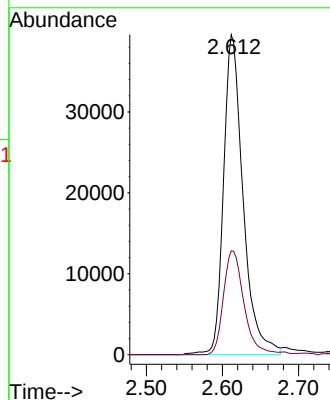
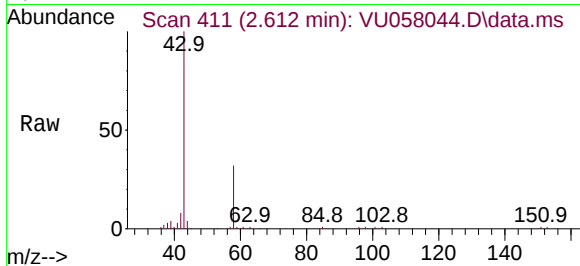
ClientSampleId :

Tgt Ion: 43 Resp: 70524

Ion Ratio Lower Upper

43 100

58 33.9 0.0 63.6



#14

Carbon disulfide

Concen: 4.731 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU058044.D

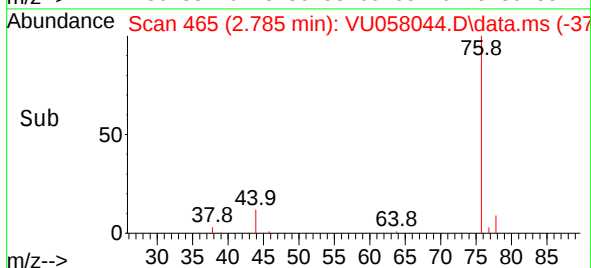
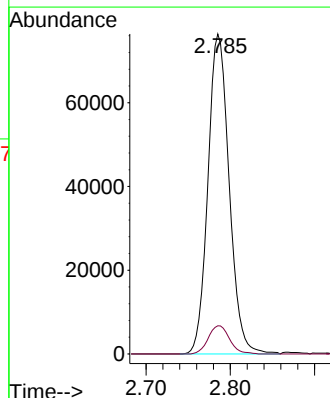
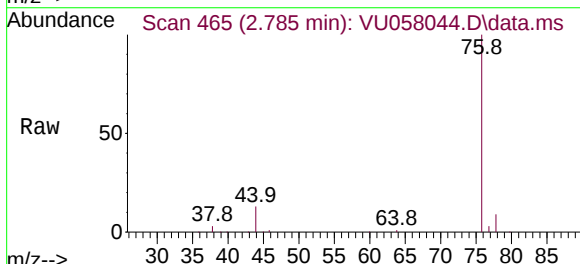
Acq: 11 Mar 2024 15:52

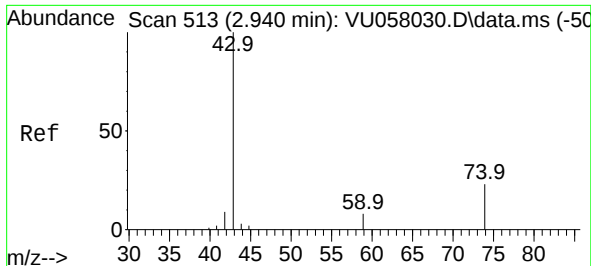
Tgt Ion: 76 Resp: 134108

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methyl Acetate

Concen: 5.766 ug/L

RT: 2.943 min Scan# 513

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

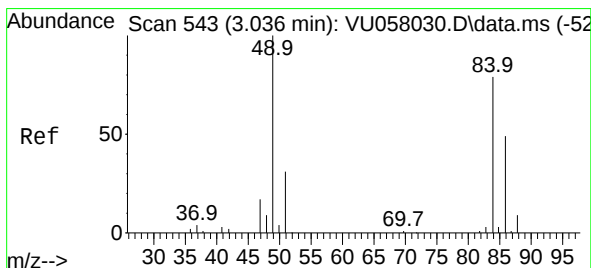
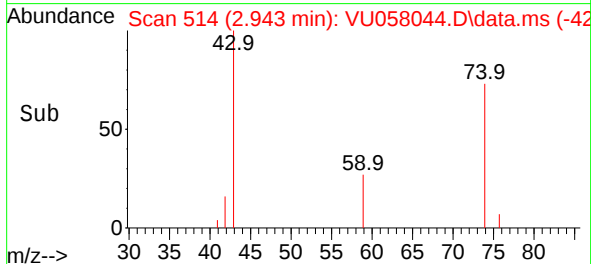
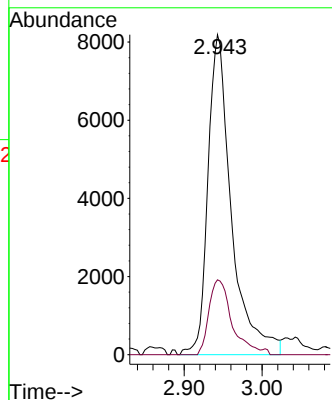
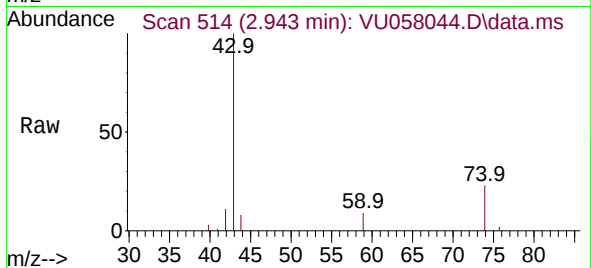
ClientSampleId :

Tgt Ion: 43 Resp: 17150

Ion Ratio Lower Upper

43 100

74 22.7 20.6 31.0



#16

Methylene chloride

Concen: 4.913 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

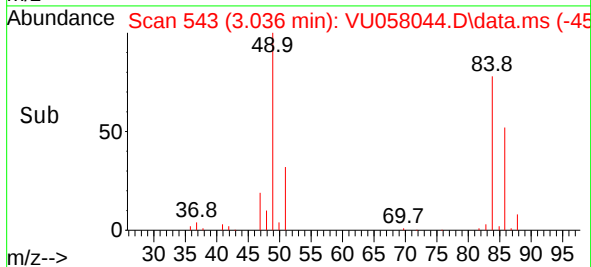
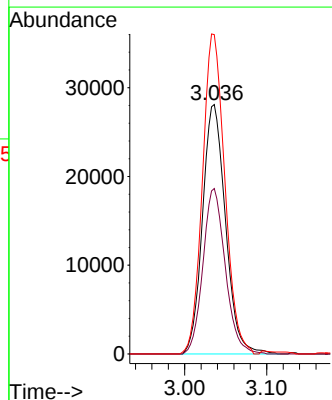
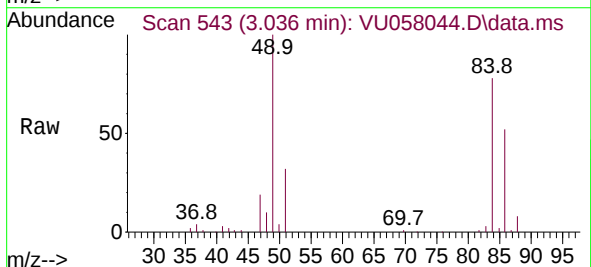
Tgt Ion: 84 Resp: 54735

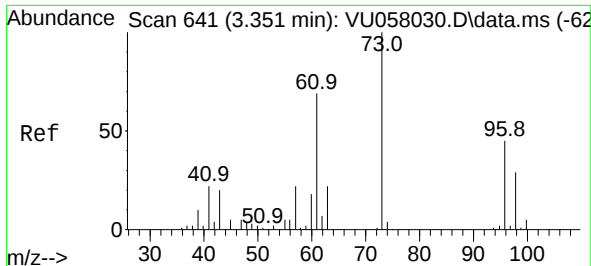
Ion Ratio Lower Upper

84 100

86 66.3 44.4 82.4

49 128.0 88.8 165.0

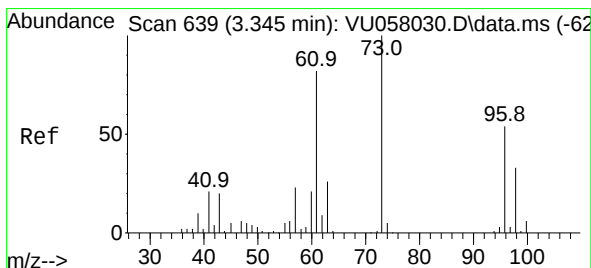
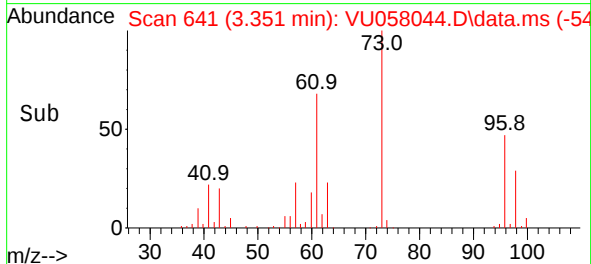
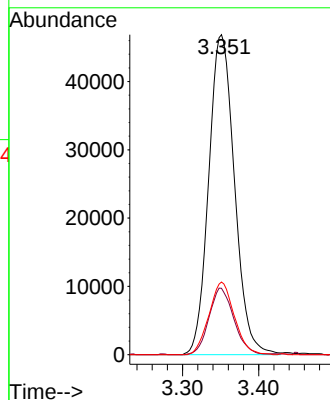
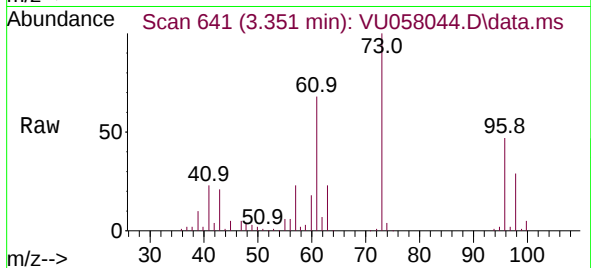




#17
Methyl tert-butyl Ether
Concen: 5.095 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

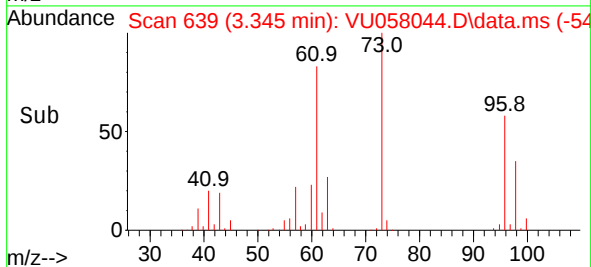
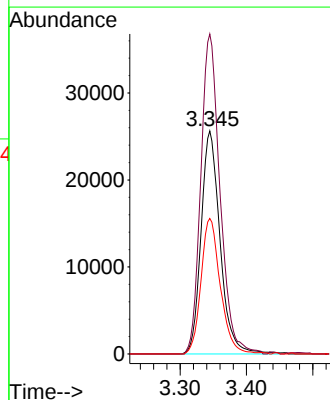
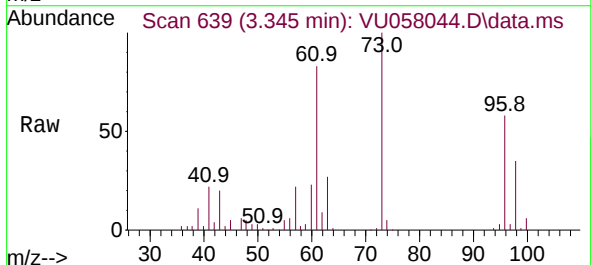
Instrument :
MSVOA_U
ClientSampleId :

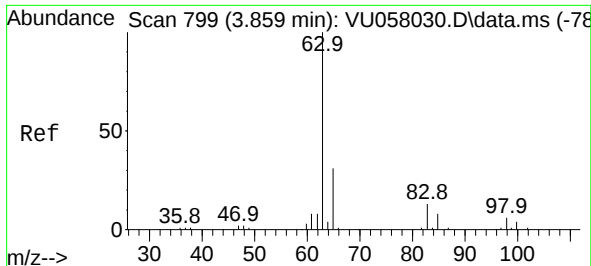
Tgt Ion: 73 Resp: 110449
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.4
57 22.3 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.131 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 96 Resp: 51227
Ion Ratio Lower Upper
96 100
61 143.5 107.7 199.9
98 60.8 45.8 85.0

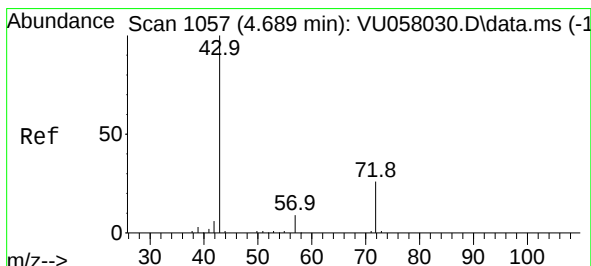
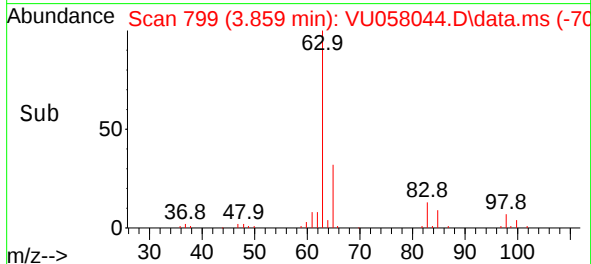
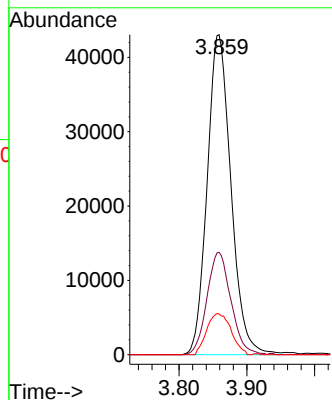
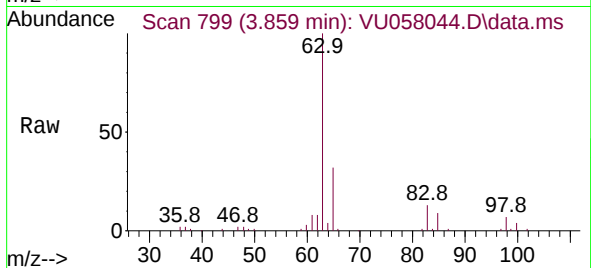




#19
1,1-Dichloroethane
Concen: 5.267 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

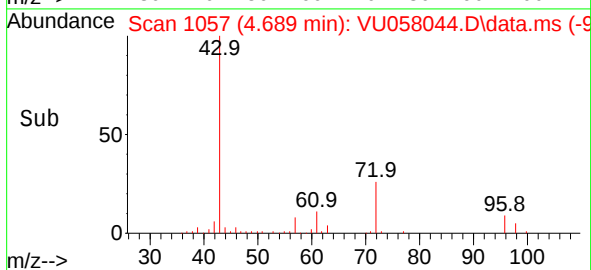
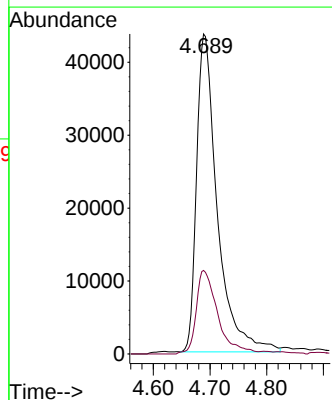
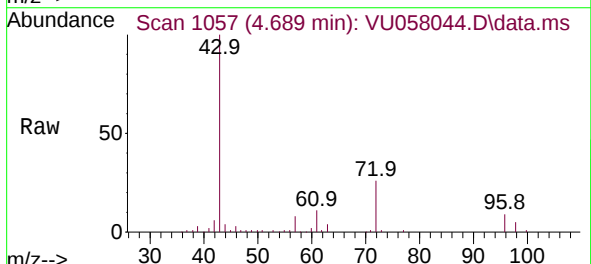
Instrument :
MSVOA_U
ClientSampleId :

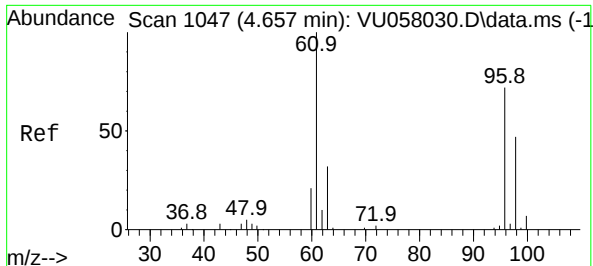
Tgt Ion: 63 Resp: 104908
Ion Ratio Lower Upper
63 100
65 32.5 22.1 41.1
83 12.8 9.0 16.6



#21
2-Butanone
Concen: 52.397 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

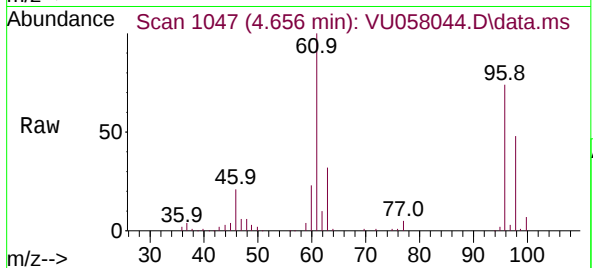
Tgt Ion: 43 Resp: 110657
Ion Ratio Lower Upper
43 100
72 27.2 13.0 39.0



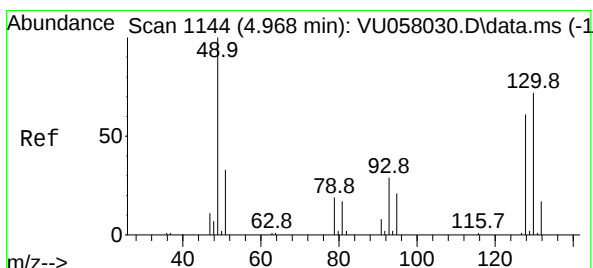
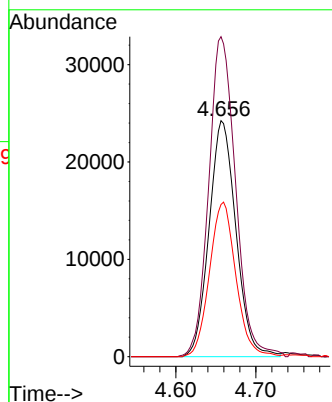
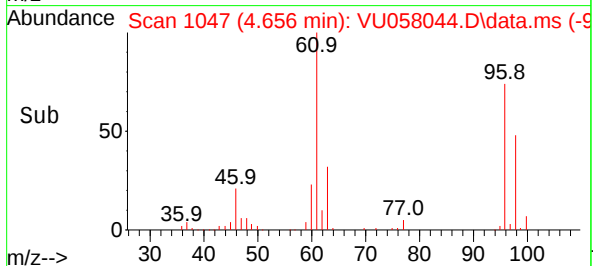


#22
 cis-1,2-Dichloroethene
 Concen: 5.164 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52

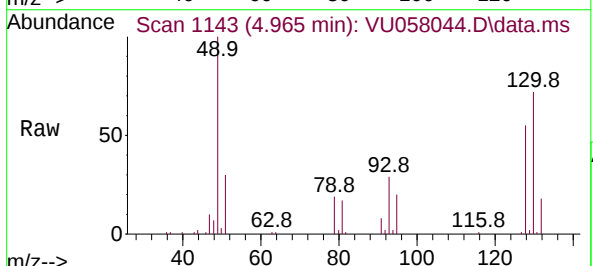
Instrument :
 MSVOA_U
 ClientSampleId :



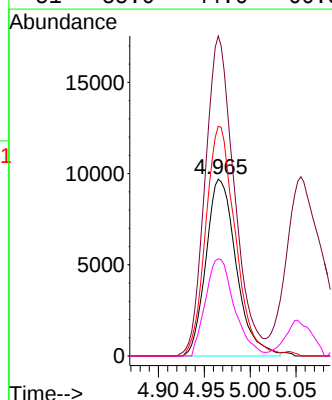
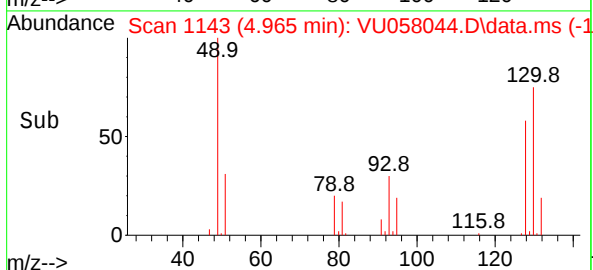
Tgt Ion:	96	Resp:	56717
Ion	Ratio	Lower	Upper
96	100		
61	135.6	97.2	180.4
98	66.0	45.5	84.5

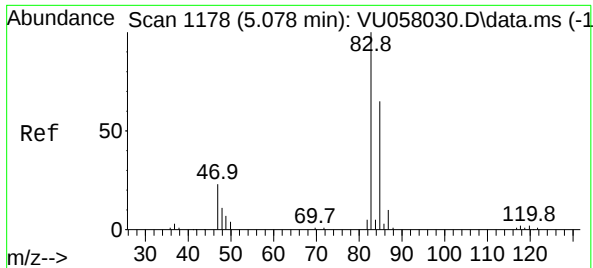


#23
 Bromochloromethane
 Concen: 5.444 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU058044.D
 Acq: 11 Mar 2024 15:52



Tgt Ion:	128	Resp:	22202
Ion	Ratio	Lower	Upper
128	100		
49	186.6	122.0	226.6
130	129.9	86.6	160.8
51	55.0	44.6	66.8





#25

Chloroform

Concen: 5.279 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

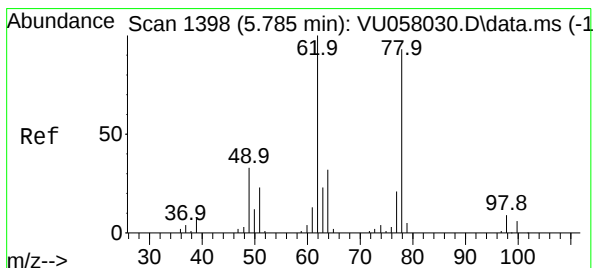
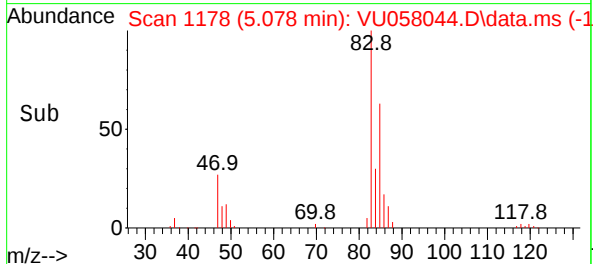
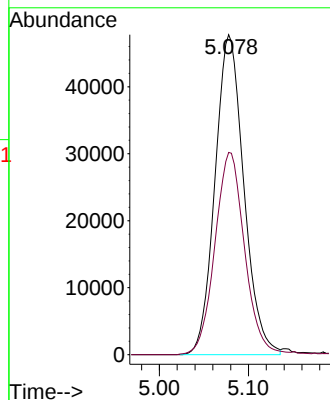
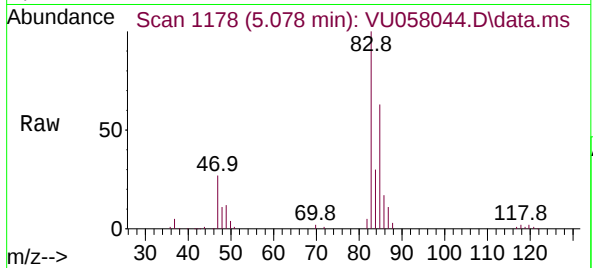
ClientSampleId :

Tgt Ion: 83 Resp: 107348

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.113 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058044.D

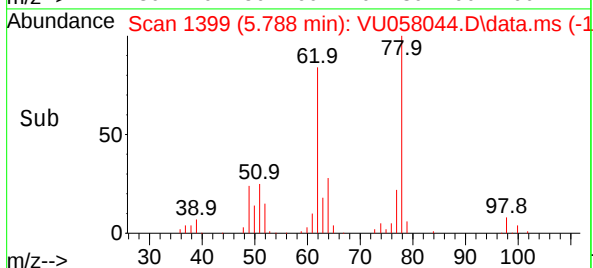
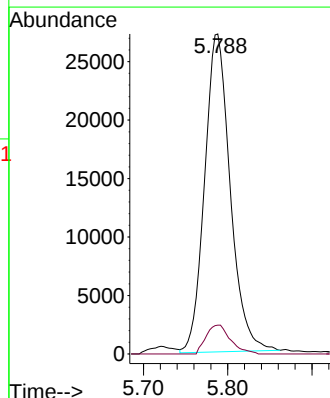
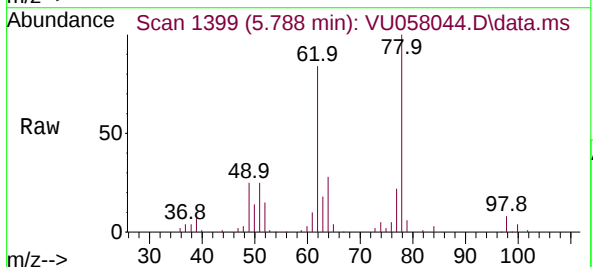
Acq: 11 Mar 2024 15:52

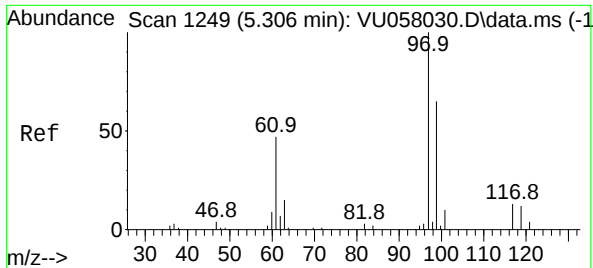
Tgt Ion: 62 Resp: 57558

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4

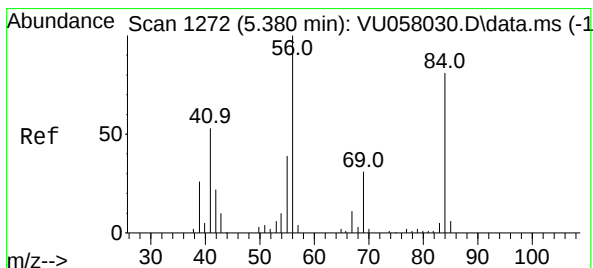
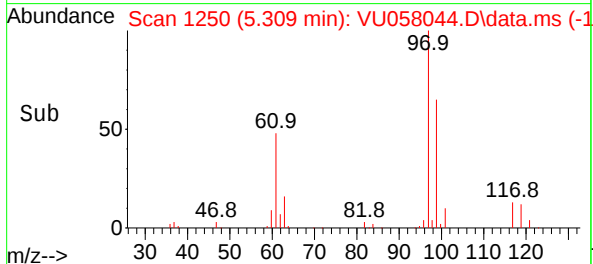
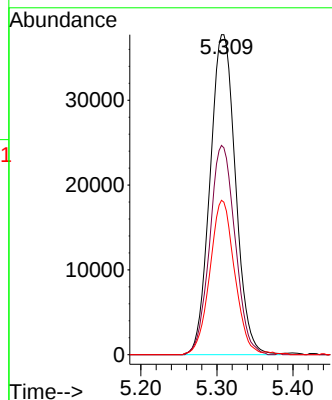
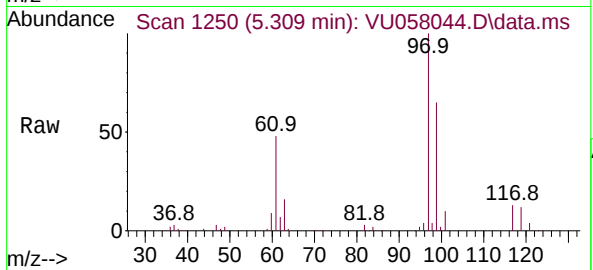




#29
1,1,1-Trichloroethane
Concen: 5.156 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

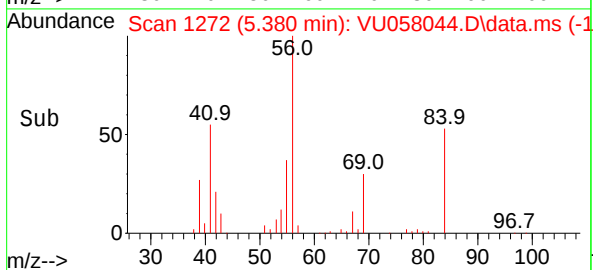
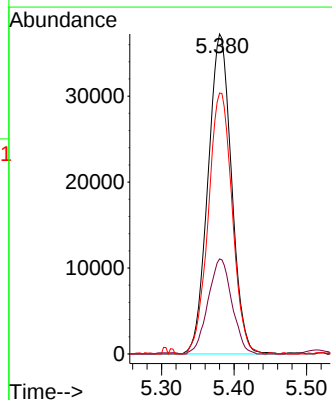
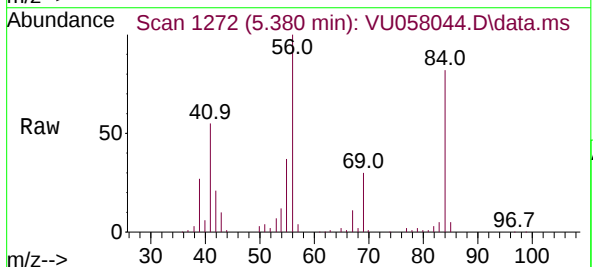
Instrument :
MSVOA_U
ClientSampleId :

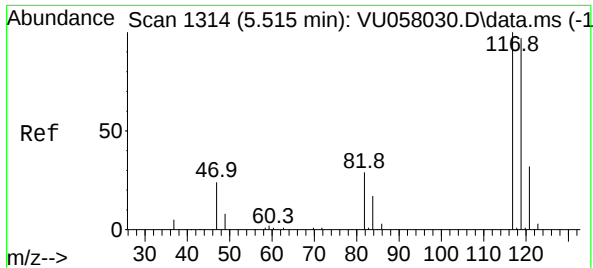
Tgt Ion: 97 Resp: 87845
Ion Ratio Lower Upper
97 100
99 65.3 51.2 76.8
61 46.8 37.4 56.2



#30
Cyclohexane
Concen: 4.864 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 56 Resp: 83682
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 83.0 66.6 99.8

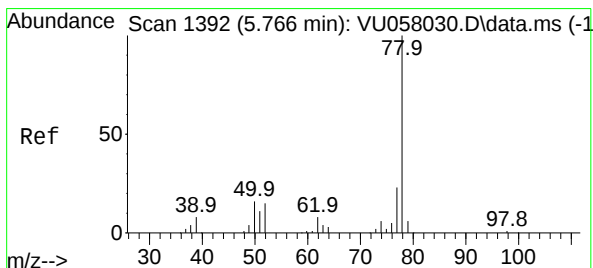
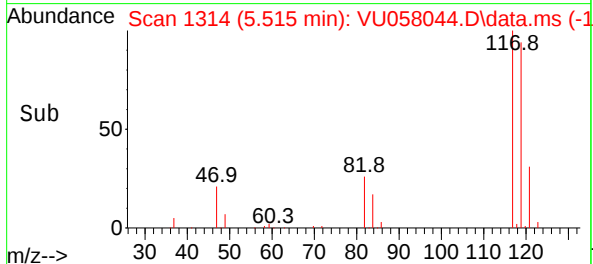
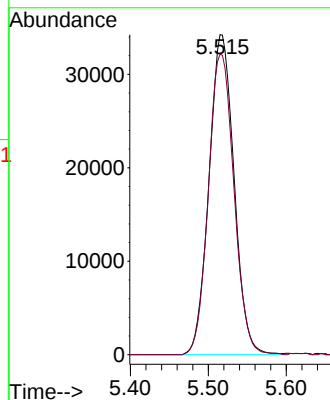
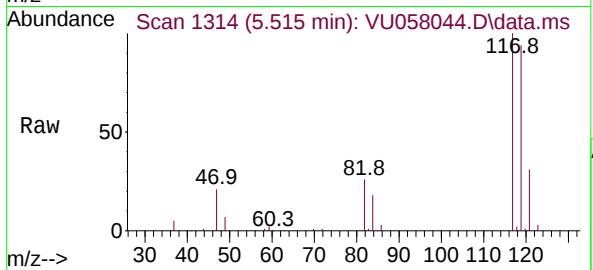




#31
Carbon tetrachloride
Concen: 5.166 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

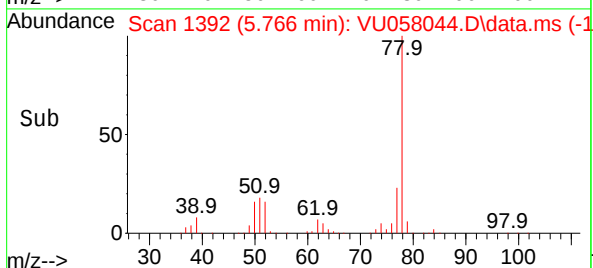
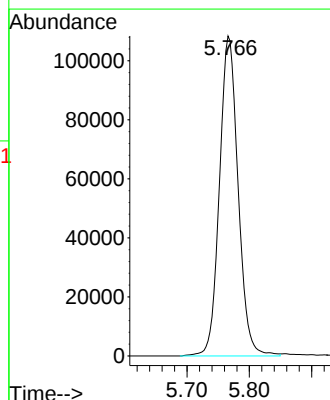
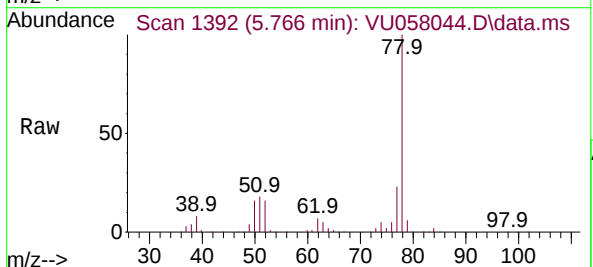
Instrument :
MSVOA_U
ClientSampleId :

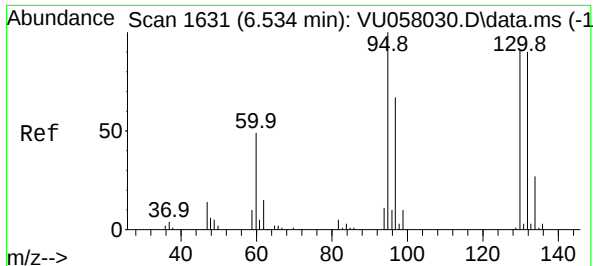
Tgt Ion:117 Resp: 76489
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.8



#33
Benzene
Concen: 5.126 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 78 Resp: 225174





#34

Trichloroethene

Concen: 5.148 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 59505

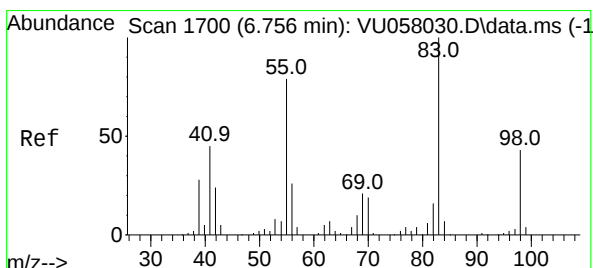
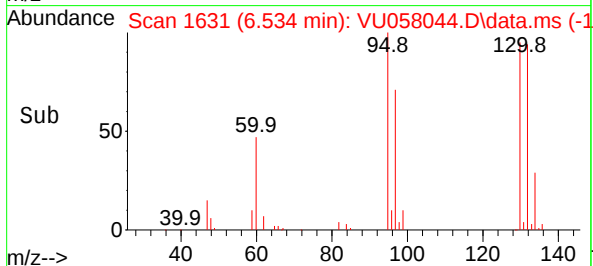
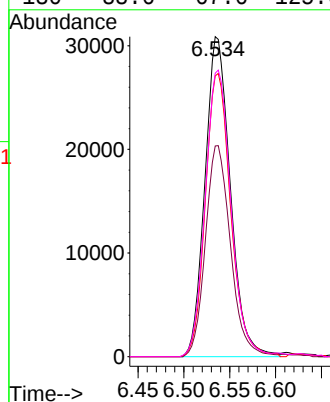
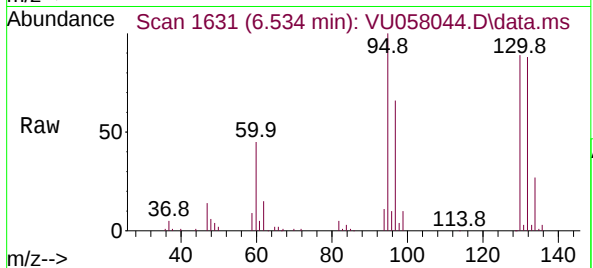
Ion Ratio Lower Upper

95 100

97 65.9 45.3 84.1

132 87.8 63.1 117.1

130 88.6 67.6 125.6



#35

Methylcyclohexane

Concen: 4.902 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

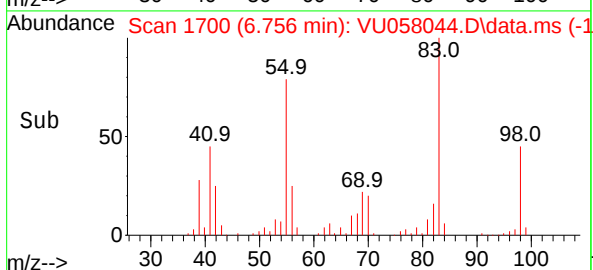
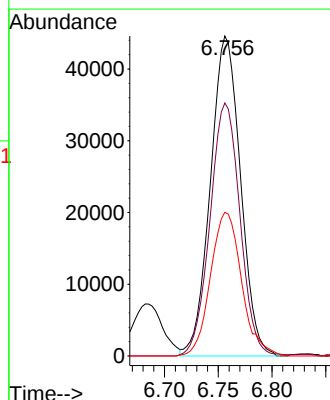
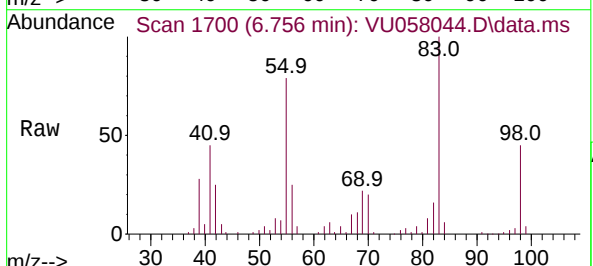
Tgt Ion: 83 Resp: 86847

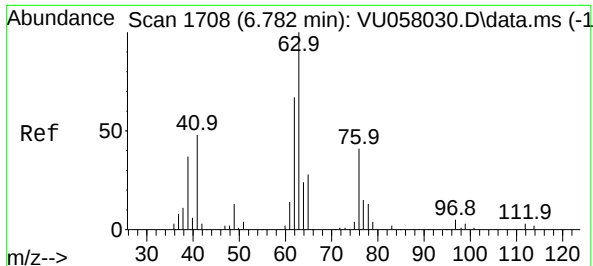
Ion Ratio Lower Upper

83 100

55 78.7 63.0 94.6

98 46.3 36.2 54.4

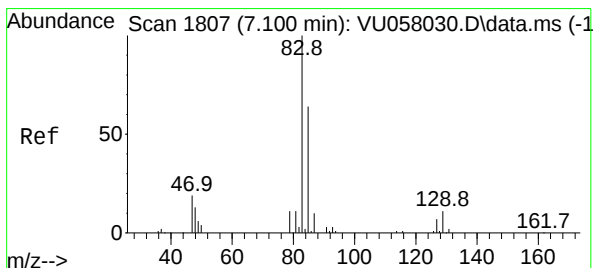
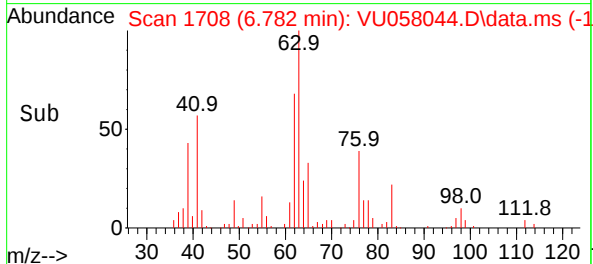
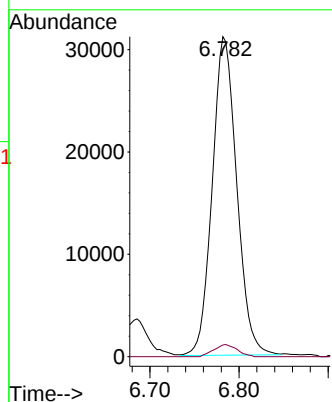
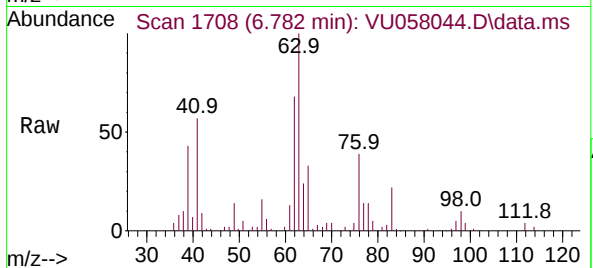




#37
1,2-Dichloropropane
Concen: 5.249 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

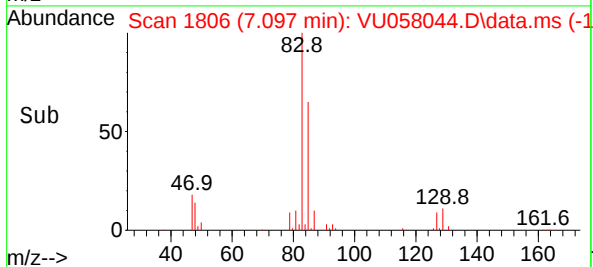
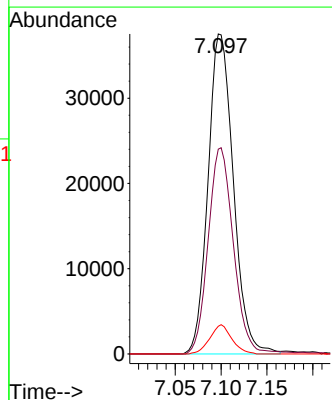
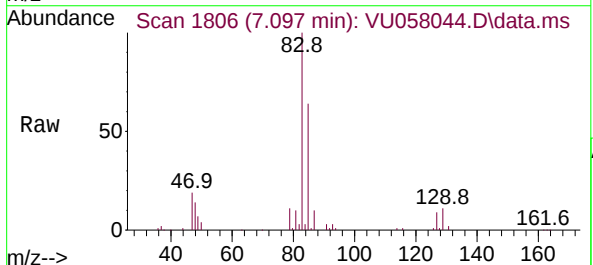
Instrument :
MSVOA_U
ClientSampleId :

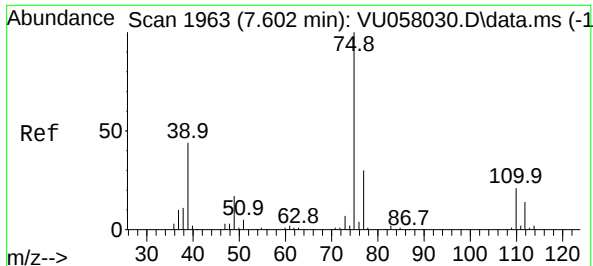
Tgt Ion: 63 Resp: 59463
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.4



#38
Bromodichloromethane
Concen: 5.253 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 83 Resp: 72200
Ion Ratio Lower Upper
83 100
85 64.0 44.5 82.7
127 8.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.202 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

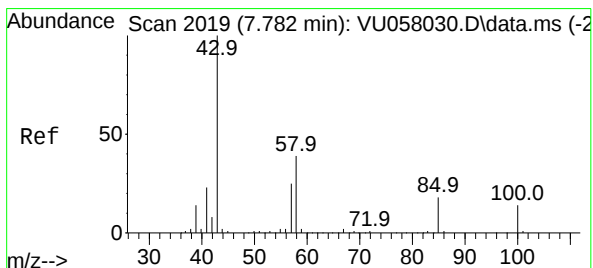
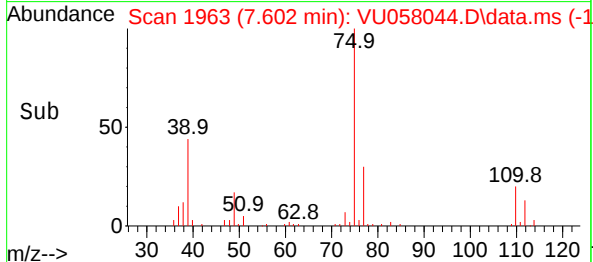
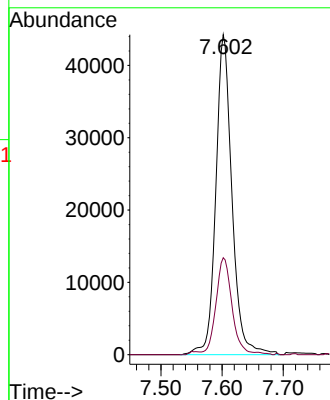
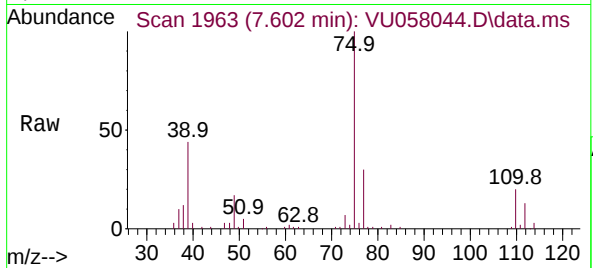
ClientSampleId :

Tgt Ion: 75 Resp: 81187

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.710 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

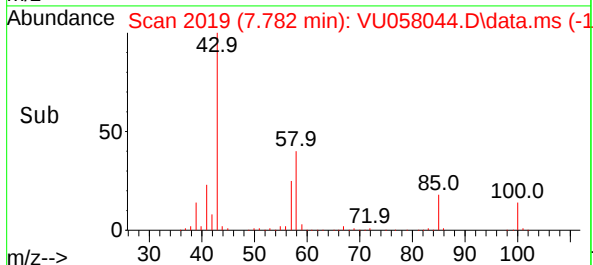
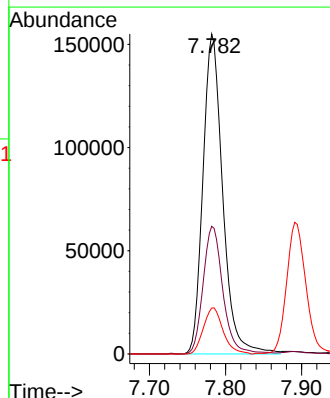
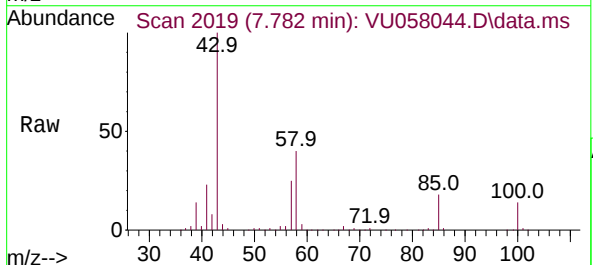
Tgt Ion: 43 Resp: 279886

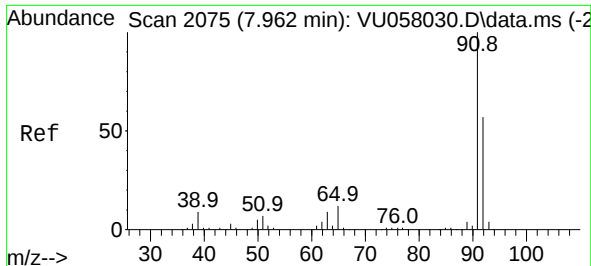
Ion Ratio Lower Upper

43 100

58 40.0 31.7 47.5

100 14.3 11.3 16.9





#42

Toluene

Concen: 5.118 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

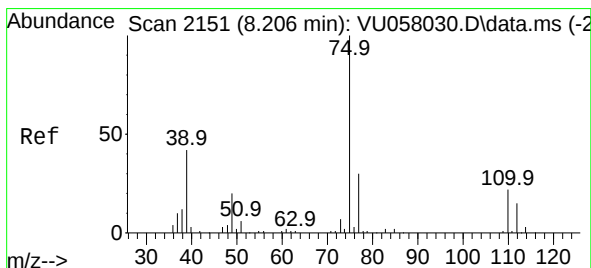
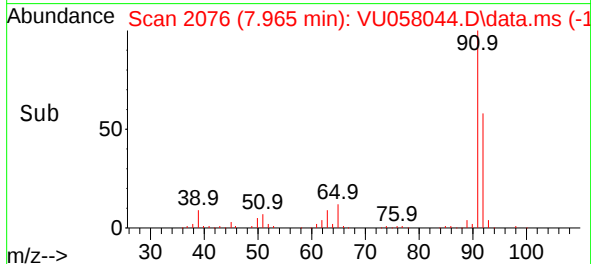
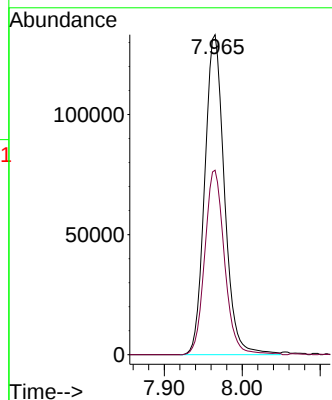
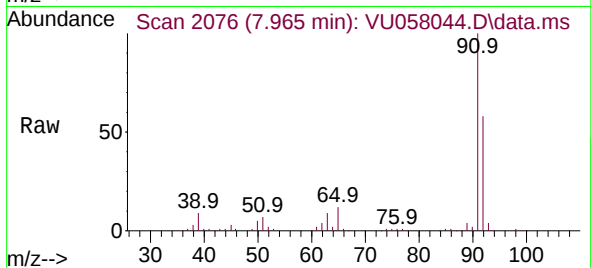
ClientSampleId :

Tgt Ion: 91 Resp: 234164

Ion Ratio Lower Upper

91 100

92 57.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.077 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU058044.D

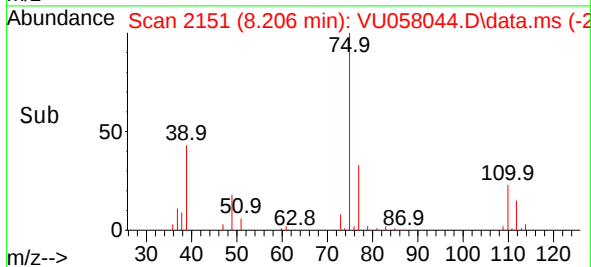
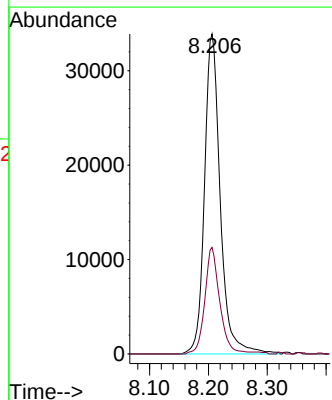
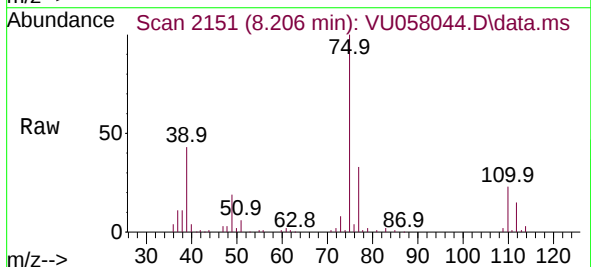
Acq: 11 Mar 2024 15:52

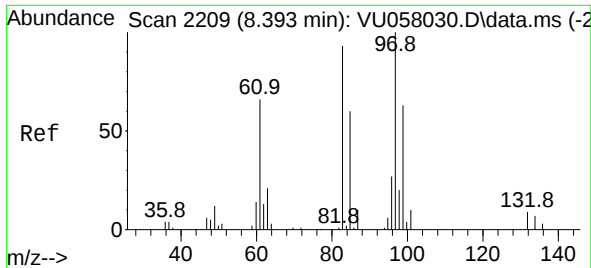
Tgt Ion: 75 Resp: 63145

Ion Ratio Lower Upper

75 100

77 33.3 23.1 42.9

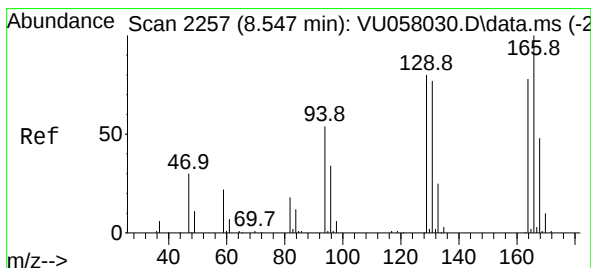
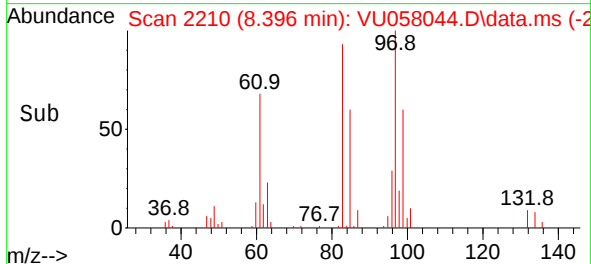
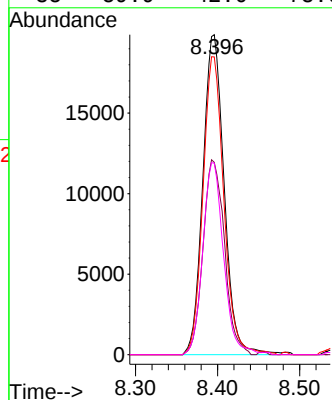
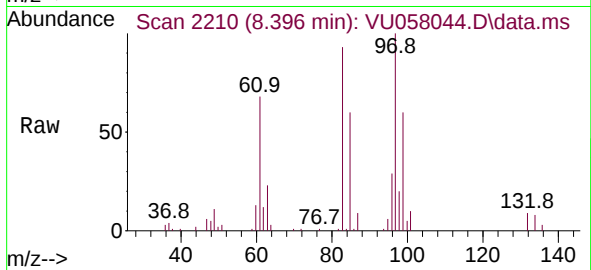




#45
1,1,2-Trichloroethane
Concen: 5.322 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

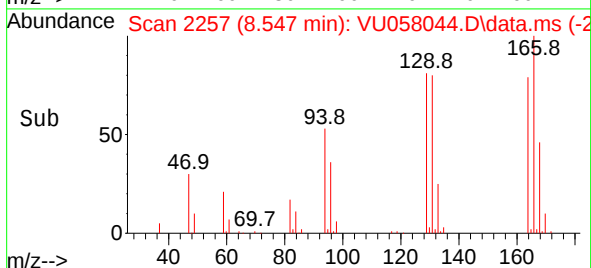
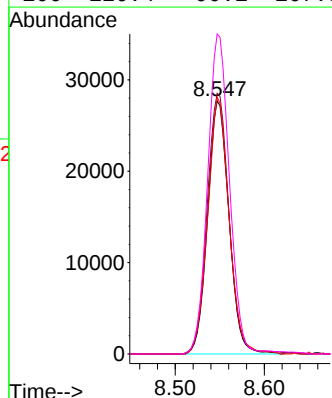
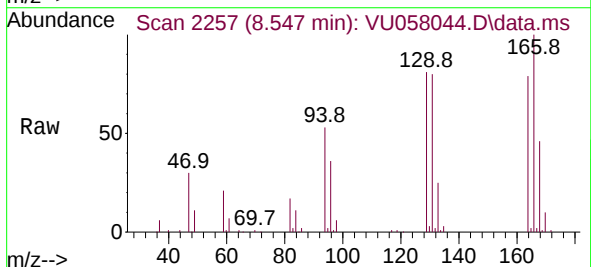
Instrument :
MSVOA_U
ClientSampleId :

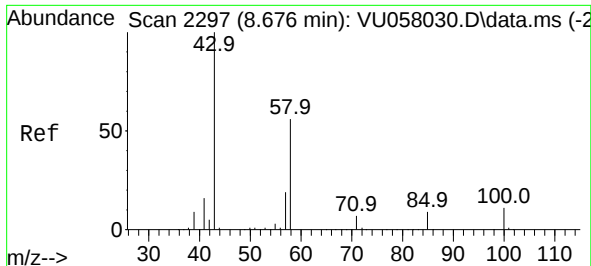
Tgt Ion: 97	Resp: 35746
Ion Ratio	Lower Upper
97	100
99	60.1 44.2 82.2
83	93.1 64.2 119.2
85	59.9 42.0 78.0



#47
Tetrachloroethene
Concen: 5.747 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion: 164	Resp: 46086
Ion Ratio	Lower Upper
164	100
129	103.0 69.3 128.7
131	101.3 69.9 129.9
166	126.4 90.1 167.3





#48

2-Hexanone

Concen: 53.087 ug/L

RT: 8.679 min Scan# 2297

Delta R.T. 0.003 min

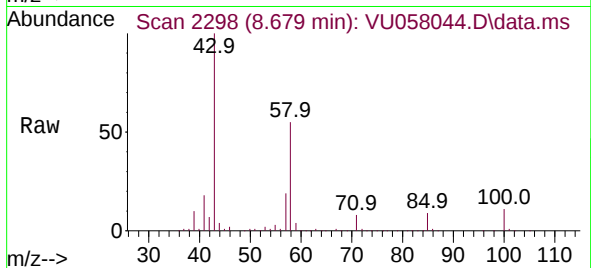
Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 202875

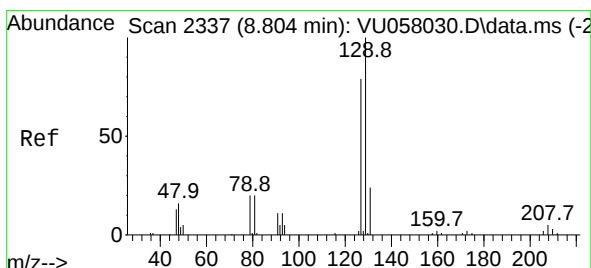
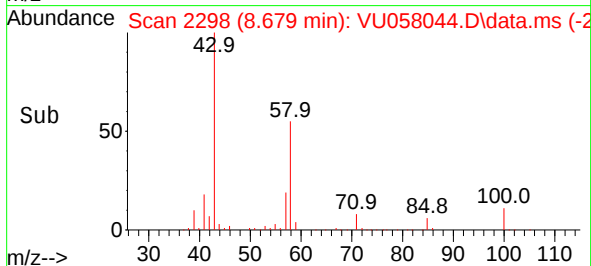
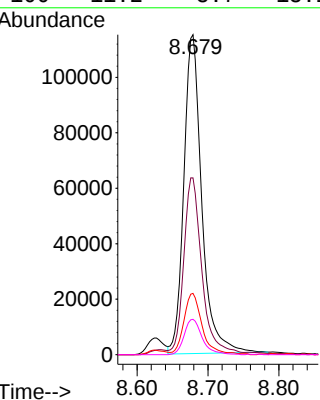
Ion Ratio Lower Upper

43 100

58 54.4 43.3 64.9

57 19.7 15.2 22.8

100 11.2 8.7 13.1



#49

Dibromochloromethane

Concen: 5.296 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU058044.D

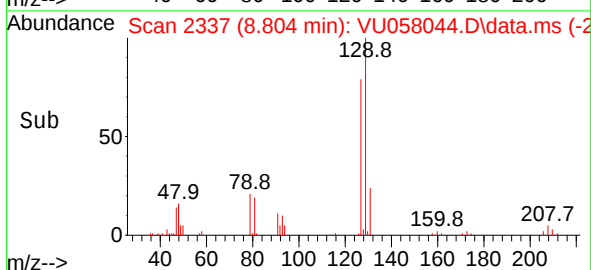
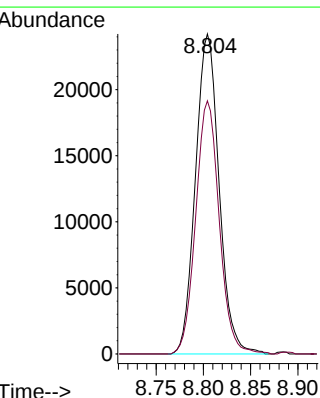
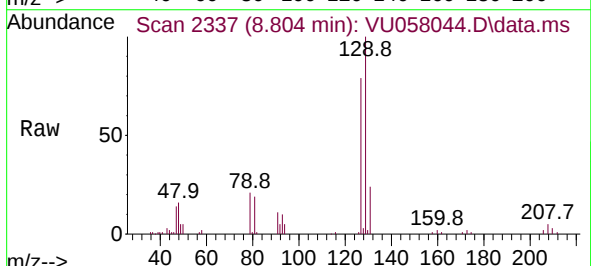
Acq: 11 Mar 2024 15:52

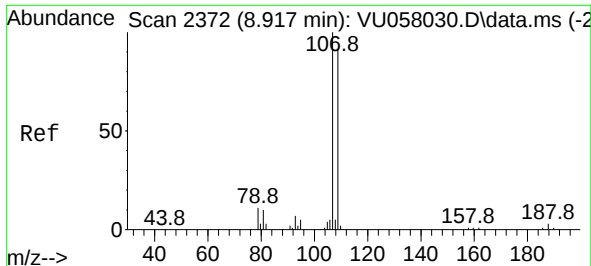
Tgt Ion: 129 Resp: 42103

Ion Ratio Lower Upper

129 100

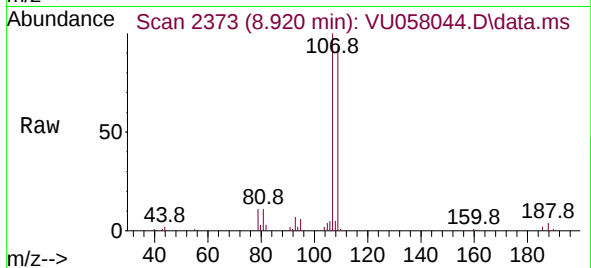
127 79.1 55.2 102.6



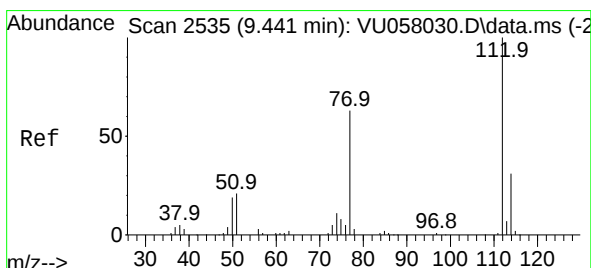
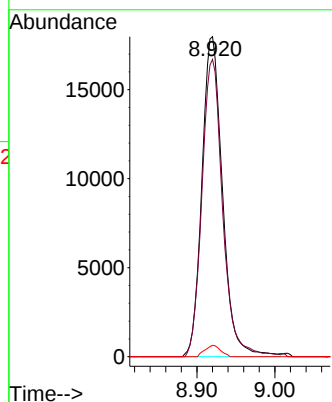
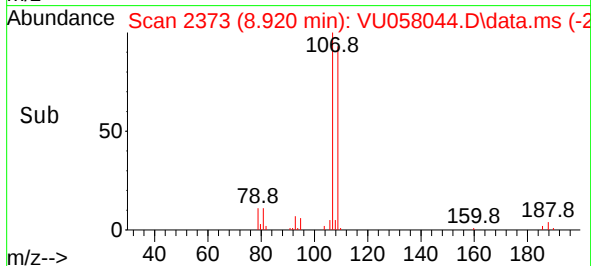


#50
1,2-Dibromoethane
Concen: 5.542 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Instrument :
MSVOA_U
ClientSampleId :

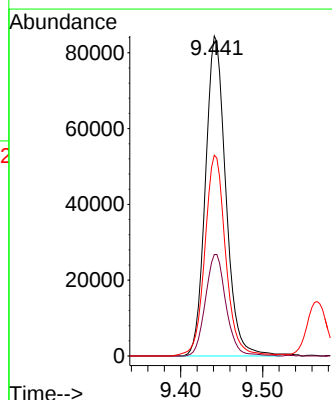
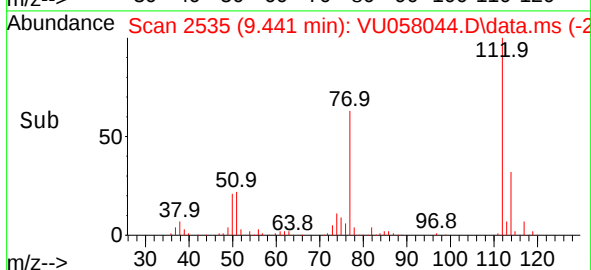
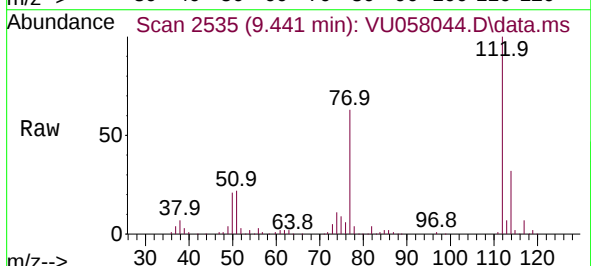


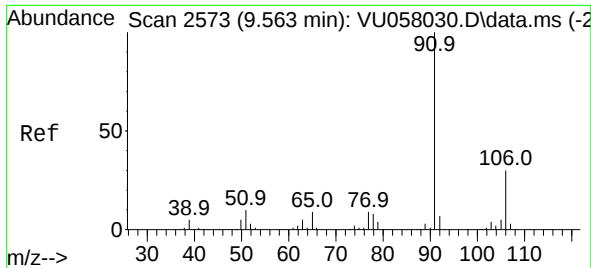
Tgt Ion:107 Resp: 33033
Ion Ratio Lower Upper
107 100
109 92.9 67.8 125.8
188 3.5 2.4 3.6



#51
Chlorobenzene
Concen: 5.099 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion:112 Resp: 146294
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.1
77 62.7 52.3 78.5





#52

Ethylbenzene

Concen: 5.155 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

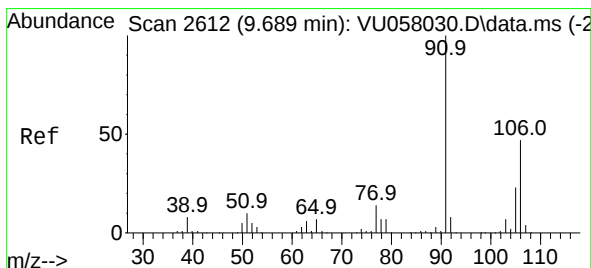
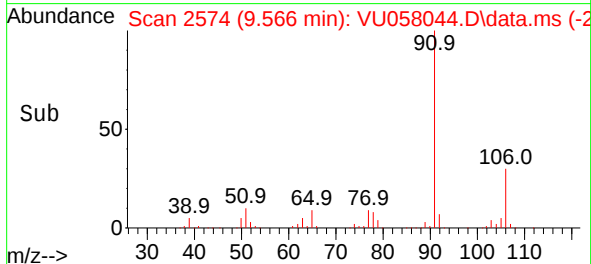
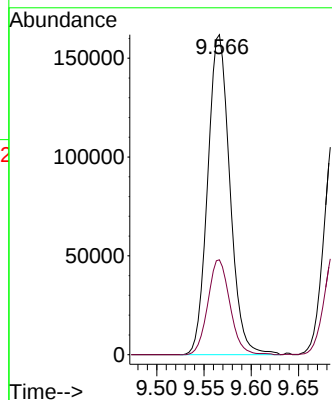
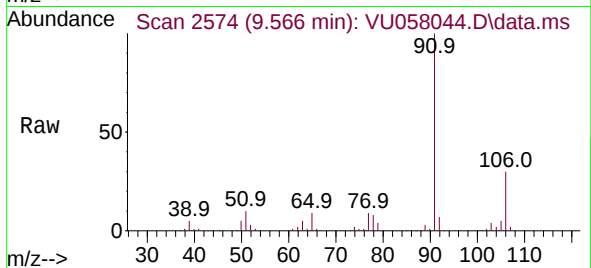
ClientSampleId :

Tgt Ion: 91 Resp: 263923

Ion Ratio Lower Upper

91 100

106 29.7 20.9 38.7



#53

m,p-Xylene

Concen: 5.227 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU058044.D

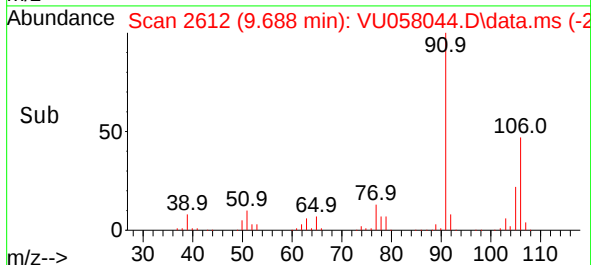
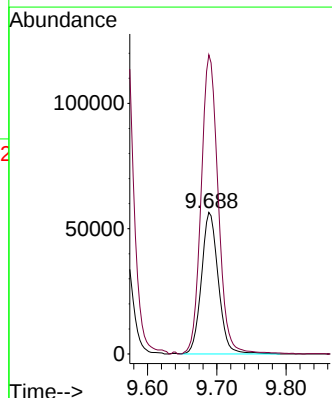
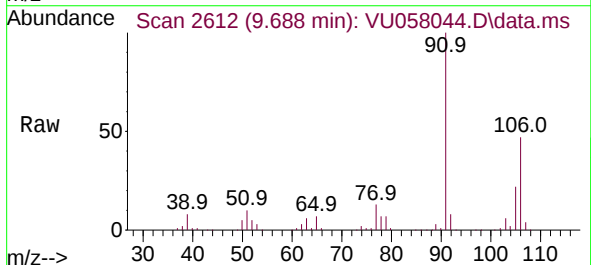
Acq: 11 Mar 2024 15:52

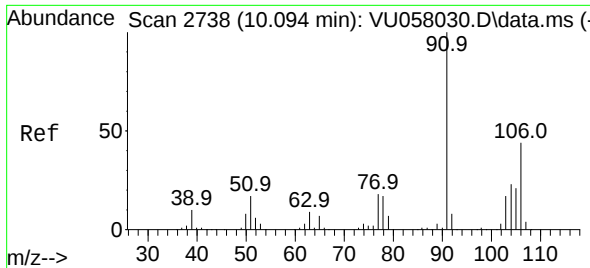
Tgt Ion:106 Resp: 95607

Ion Ratio Lower Upper

106 100

91 211.4 148.8 276.4

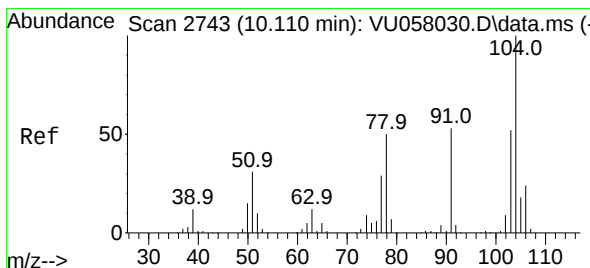
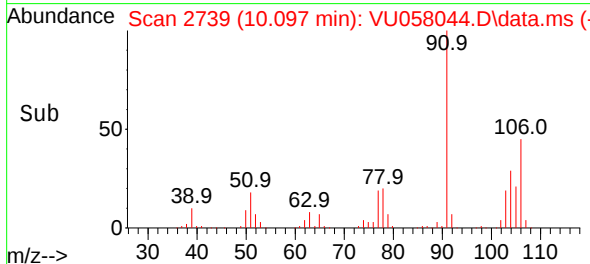
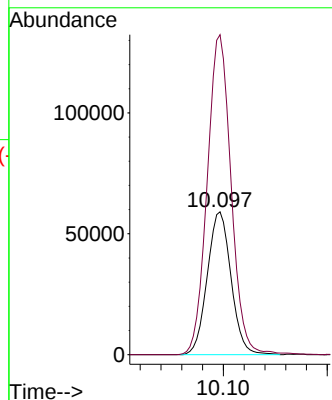
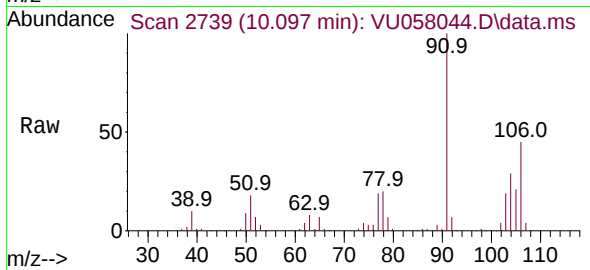




#54
o-Xylene
Concen: 5.147 ug/L
RT: 10.097 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

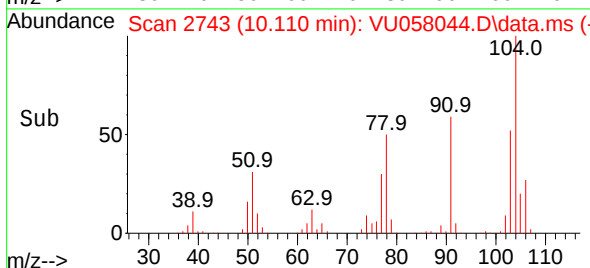
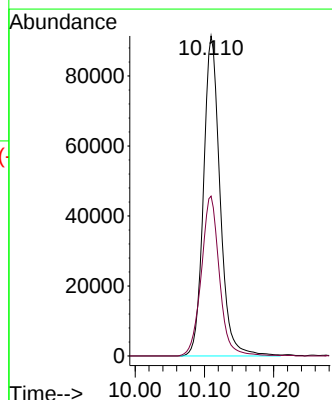
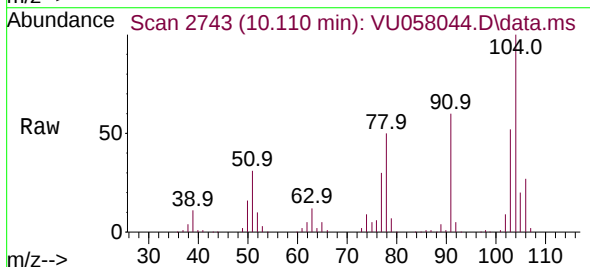
Instrument :
MSVOA_U
ClientSampleId :

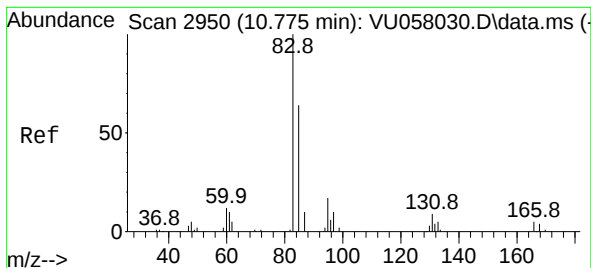
Tgt Ion:106 Resp: 93833
Ion Ratio Lower Upper
106 100
91 223.9 158.3 294.1



#55
Styrene
Concen: 5.307 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

Tgt Ion:104 Resp: 151852
Ion Ratio Lower Upper
104 100
78 50.0 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.489 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :

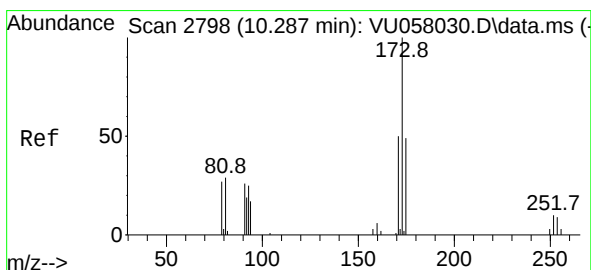
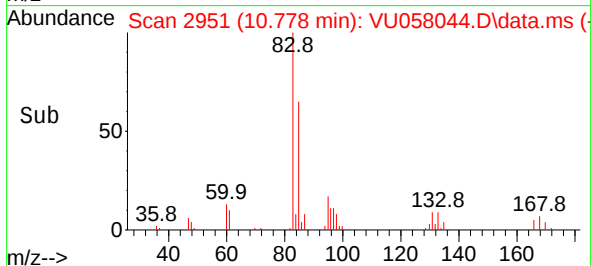
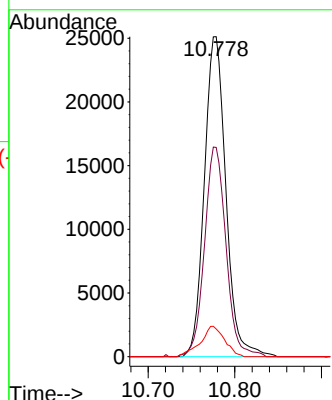
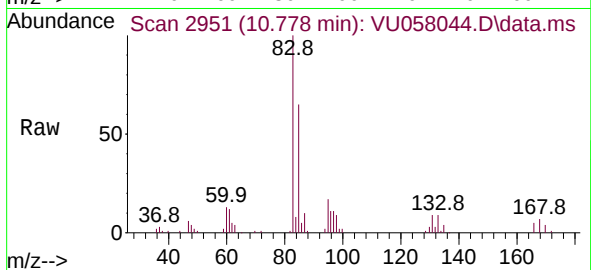
Tgt Ion: 83 Resp: 43434

Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.6

131 8.6 6.9 10.3



#59

Bromoform

Concen: 5.359 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

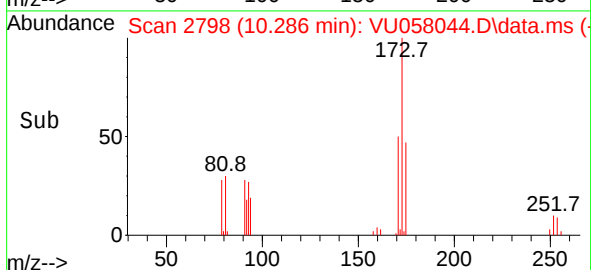
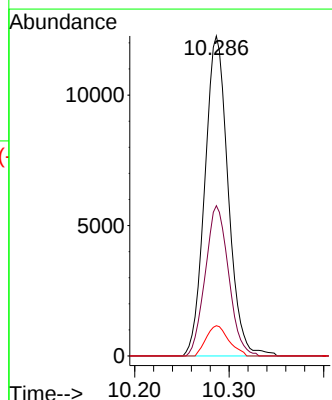
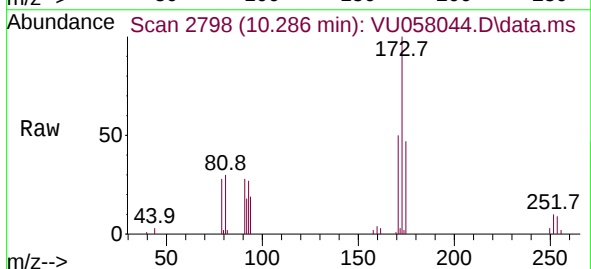
Tgt Ion:173 Resp: 20994

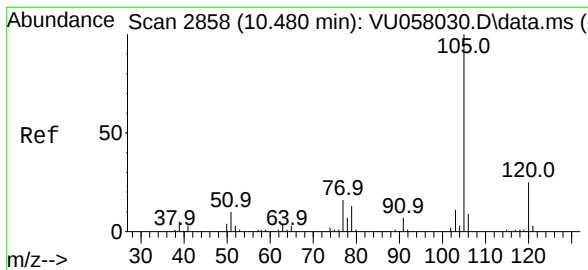
Ion Ratio Lower Upper

173 100

175 47.1 38.6 57.8

254 9.1 7.3 10.9





#60

Isopropylbenzene

Concen: 5.215 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :

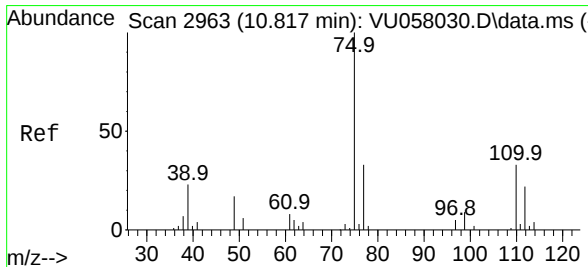
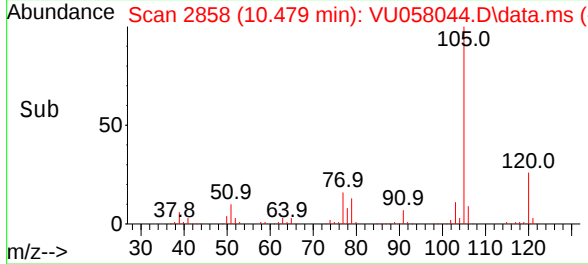
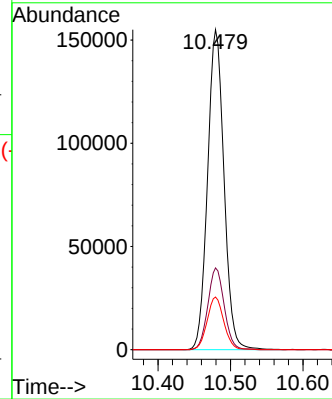
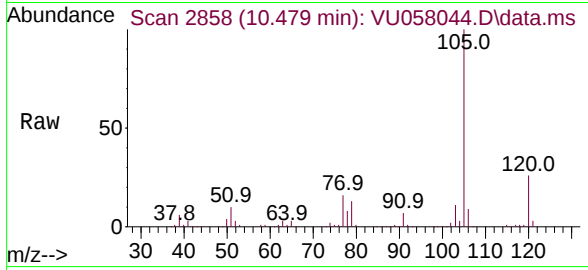
Tgt Ion:105 Resp: 243974

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.447 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

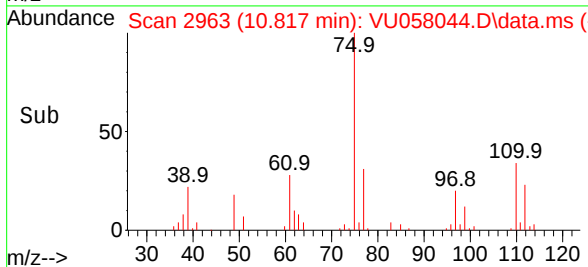
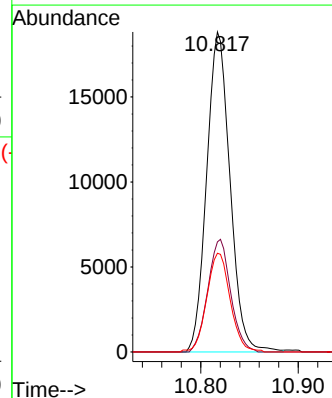
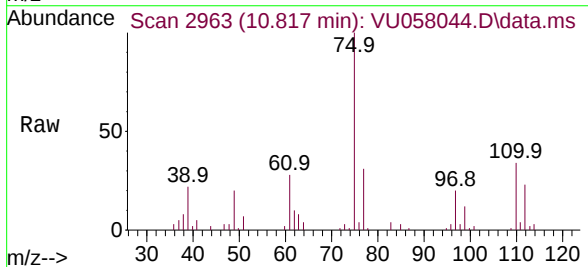
Tgt Ion: 75 Resp: 31341

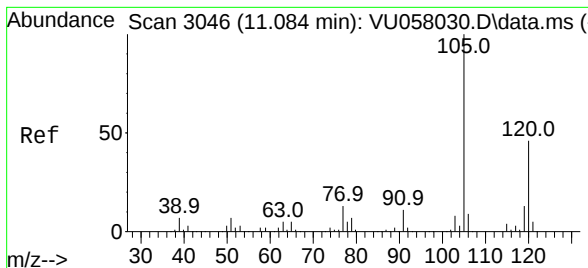
Ion Ratio Lower Upper

75 100

110 34.5 28.0 42.0

77 30.9 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.126 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

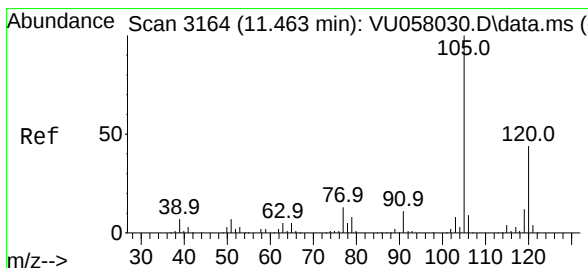
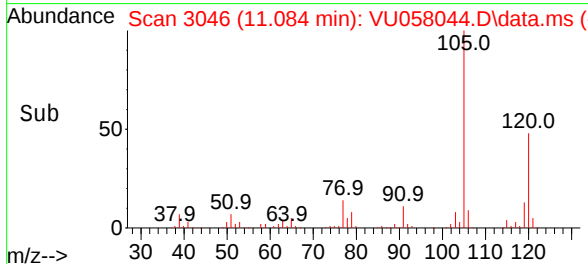
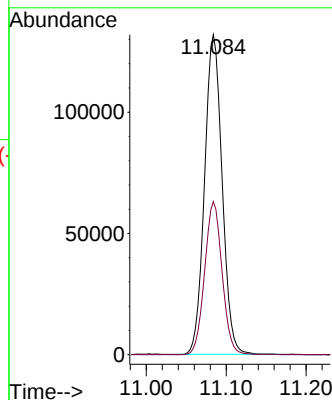
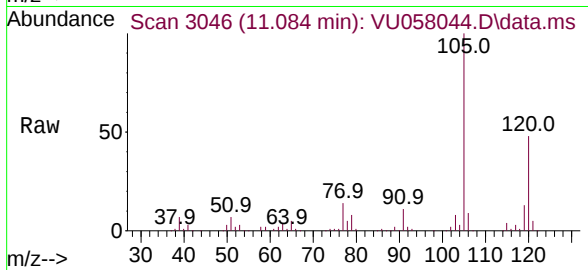
ClientSampleId :

Tgt Ion:105 Resp: 202280

Ion Ratio Lower Upper

105 100

120 47.4 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.239 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058044.D

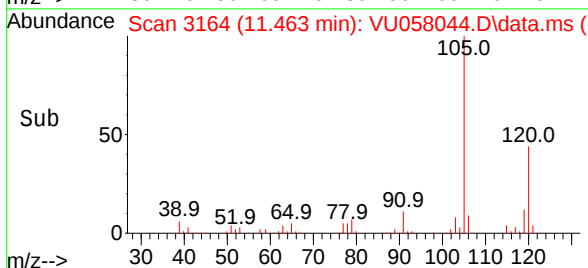
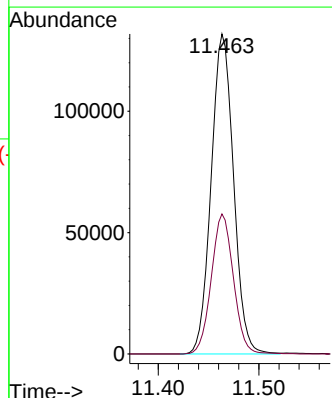
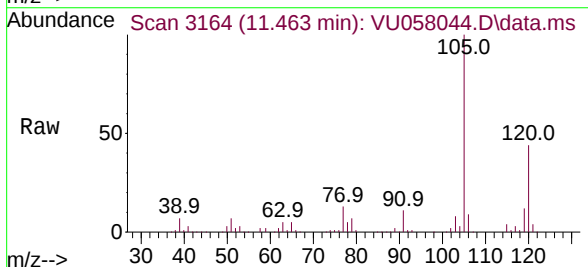
Acq: 11 Mar 2024 15:52

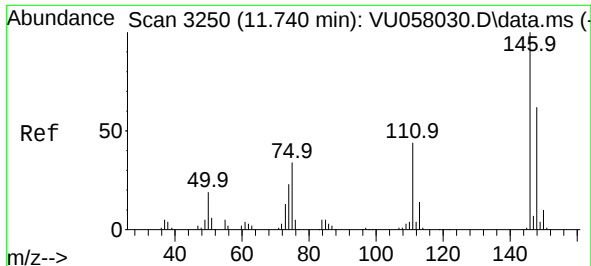
Tgt Ion:105 Resp: 204024

Ion Ratio Lower Upper

105 100

120 43.2 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 5.214 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :

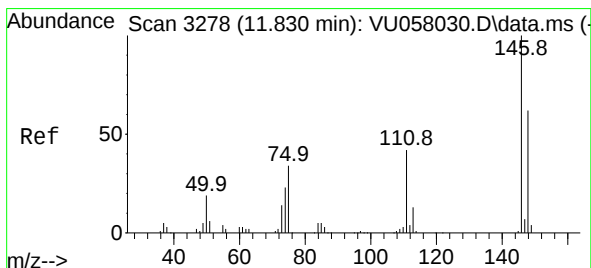
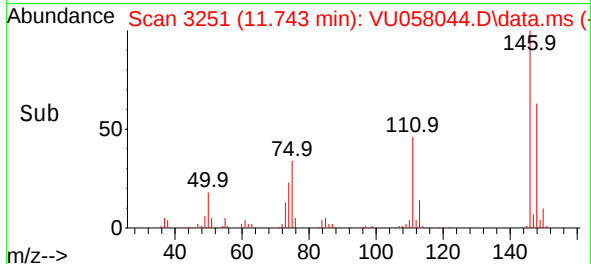
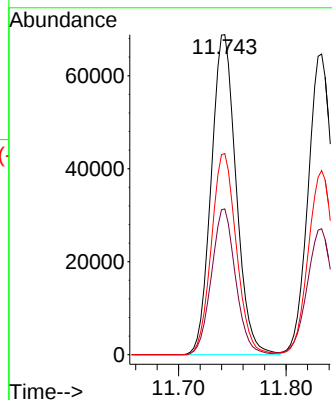
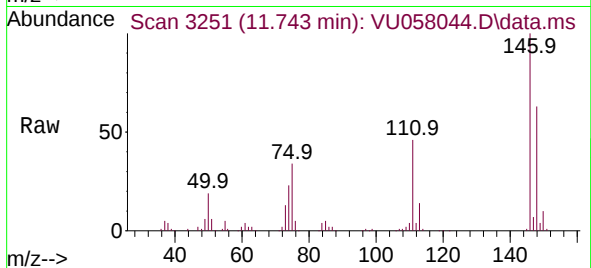
Tgt Ion:146 Resp: 110867

Ion Ratio Lower Upper

146 100

111 45.5 30.9 57.5

148 62.9 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 5.165 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

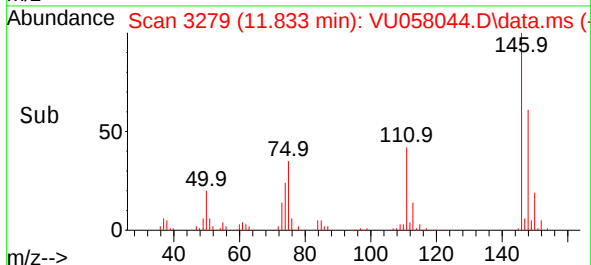
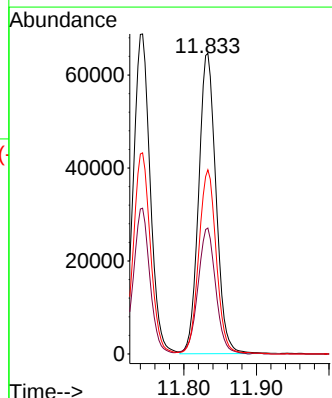
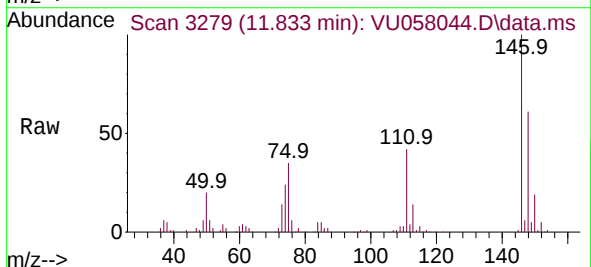
Tgt Ion:146 Resp: 107509

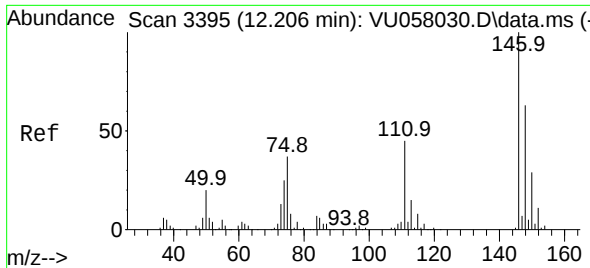
Ion Ratio Lower Upper

146 100

111 41.9 30.1 55.9

148 61.3 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.372 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :

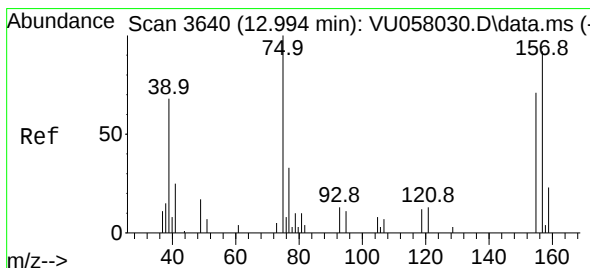
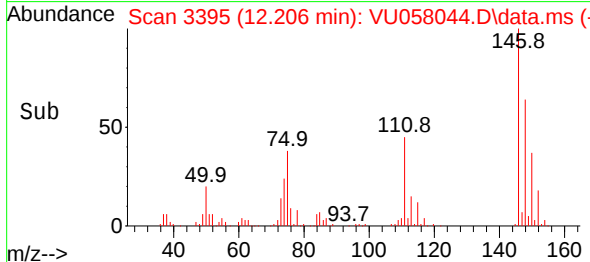
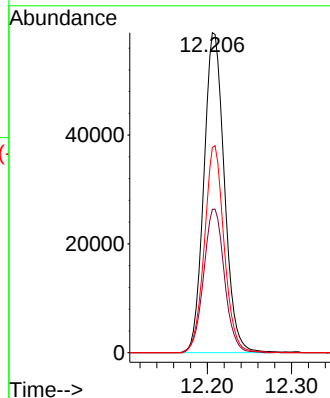
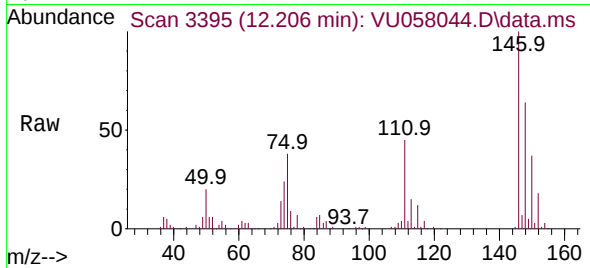
Tgt Ion:146 Resp: 99742

Ion Ratio Lower Upper

146 100

111 44.8 37.4 56.0

148 64.1 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.472 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

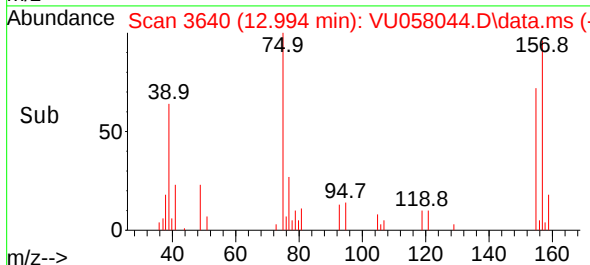
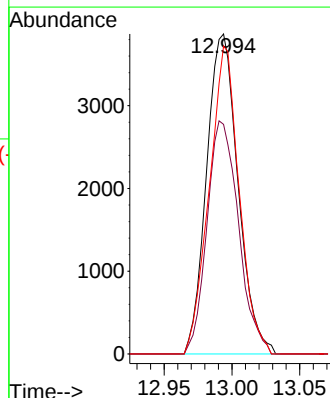
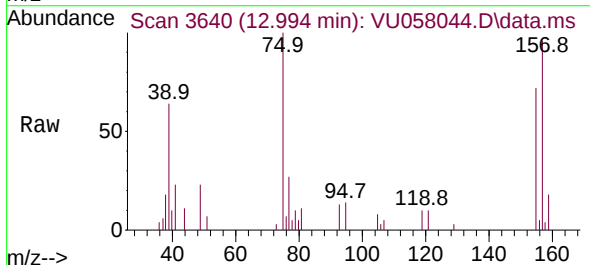
Tgt Ion: 75 Resp: 6247

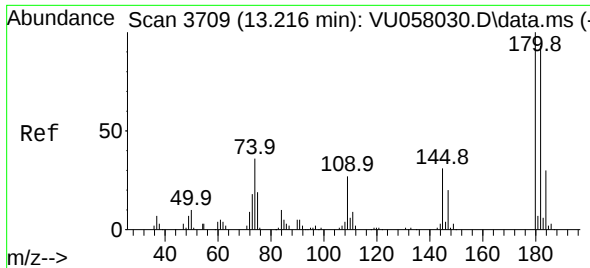
Ion Ratio Lower Upper

75 100

155 71.7 61.0 91.6

157 96.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 5.104 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

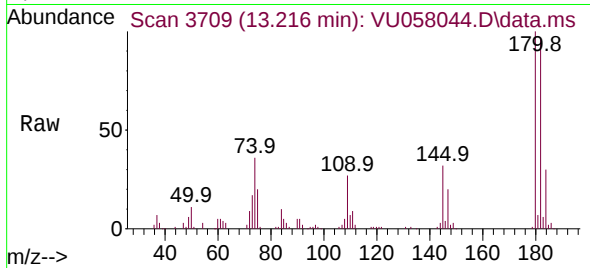
Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 78071

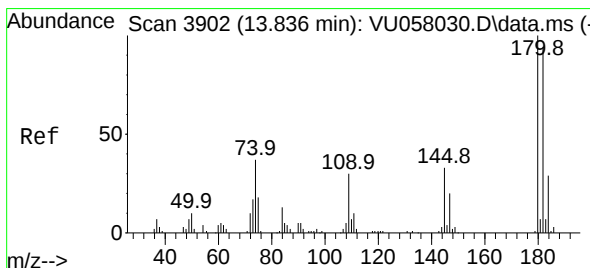
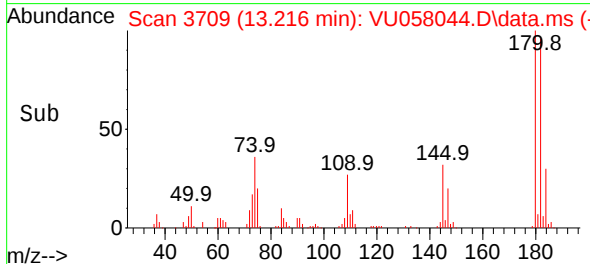
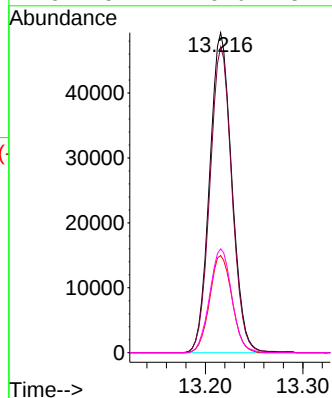
Ion Ratio Lower Upper

180 100

182 94.4 76.3 114.5

184 30.4 24.6 36.8

145 32.4 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 5.055 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU058044.D

Acq: 11 Mar 2024 15:52

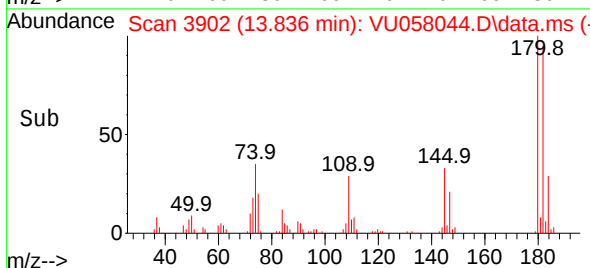
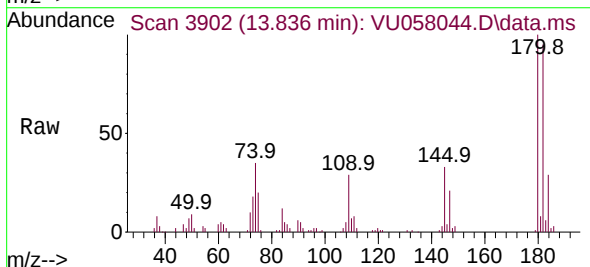
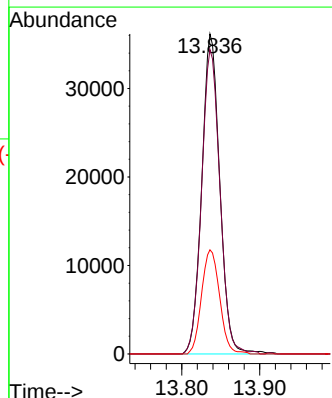
Tgt Ion:180 Resp: 58103

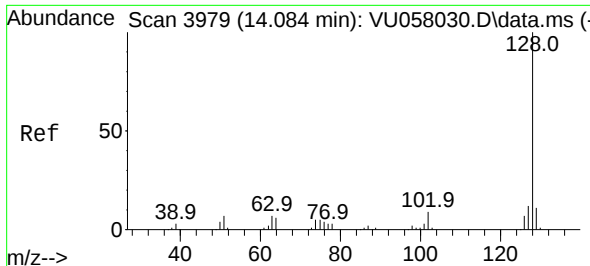
Ion Ratio Lower Upper

180 100

182 96.5 77.9 116.9

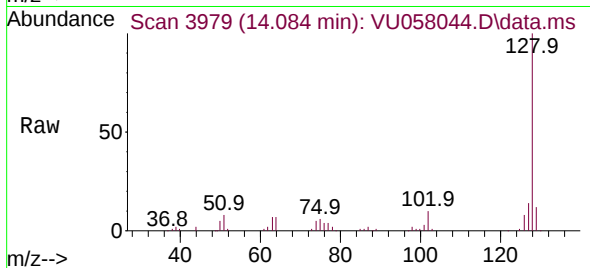
145 32.6 25.8 38.8



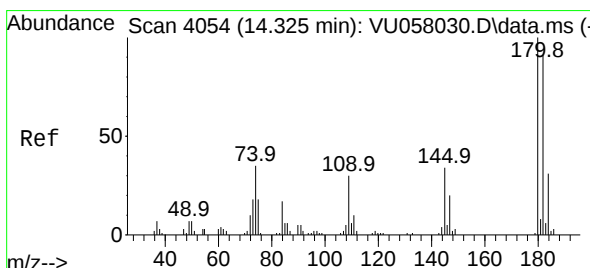
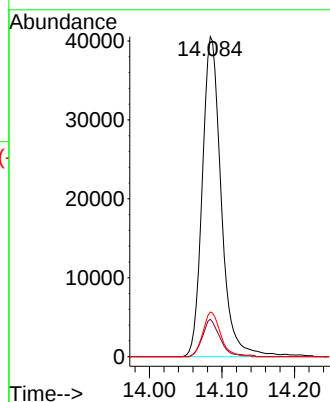
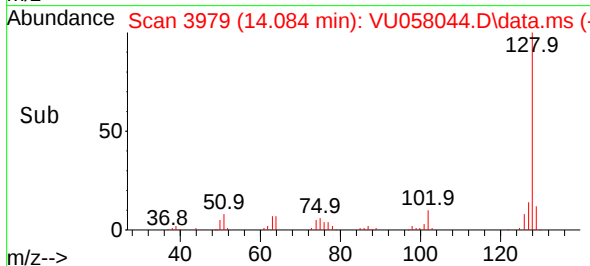


#71
Naphthalene
Concen: 4.673 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52

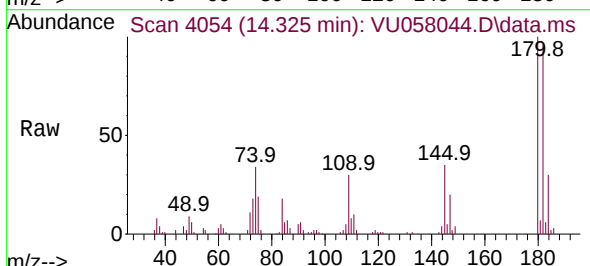
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 73351
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.0 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.045 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU058044.D
Acq: 11 Mar 2024 15:52



Tgt Ion:180 Resp: 45800
Ion Ratio Lower Upper
180 100
182 94.3 77.6 116.4
145 35.5 28.7 43.1

