

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042224\
 Data File : VU058767.D
 Acq On : 22 Apr 2024 13:12
 Operator : MD/SY
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 23:40:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 22 23:37:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	109124	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	102437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	52577	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	169295	22.252	ug/L	0.00
7) Chloroethane-d5	1.904	69	124887	19.518	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	88479	25.004	ug/L	0.00
20) 2-Butanone-d5	4.624	46	332838	214.279	ug/L	0.00
24) Chloroform-d	5.049	84	355370	23.223	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	170092	23.445	ug/L	0.00
32) Benzene-d6	5.714	84	678177	23.257	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	200222	22.171	ug/L	0.00
41) Toluene-d8	7.888	98	610211	23.479	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	77415	26.521	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	249944	222.398	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	124998	19.887	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	189111	20.632	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	235529	23.962	ug/L	99
3) Chloromethane	1.512	50	182032	16.630	ug/L	100
5) Vinyl chloride	1.596	62	187830	17.162	ug/L	99
6) Bromomethane	1.850	94	113915	20.952	ug/L	95
8) Chloroethane	1.927	64	104893	15.405	ug/L	99
9) Trichlorofluoromethane	2.129	101	291600	19.578	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	177325	19.923	ug/L	99
12) 1,1-Dichloroethene	2.570	96	162942	20.639	ug/L	97
13) Acetone	2.647	43	211455	165.473	ug/L	98
14) Carbon disulfide	2.782	76	538262	21.059	ug/L	99
15) Methyl Acetate	2.946	43	56164	18.726	ug/L	99
16) Methylene chloride	3.033	84	166396	16.441	ug/L	98
17) Methyl tert-butyl Ether	3.348	73	381568	20.580	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	167079	20.356	ug/L	98
19) 1,1-Dichloroethane	3.853	63	341244	19.090	ug/L	100
21) 2-Butanone	4.702	43	347543	181.820	ug/L	98
22) cis-1,2-Dichloroethene	4.650	96	180502	19.716	ug/L	98
23) Bromochloromethane	4.959	128	68338	18.928	ug/L	98
25) Chloroform	5.074	83	343359	19.664	ug/L	97
27) 1,2-Dichloroethane	5.782	62	205986	19.455	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	310224	21.666	ug/L	98
30) Cyclohexane	5.377	56	313462	21.203	ug/L	98
31) Carbon tetrachloride	5.512	117	276767	22.629	ug/L	99
33) Benzene	5.763	78	727059	19.399	ug/L	100
34) Trichloroethene	6.531	95	195563	20.403	ug/L	99
35) Methylcyclohexane	6.753	83	316586	21.992	ug/L	100
37) 1,2-Dichloropropane	6.779	63	186781	19.074	ug/L	100
38) Bromodichloromethane	7.094	83	236370	20.729	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	280575	21.964	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	890611	194.507	ug/L	99
42) Toluene	7.959	91	764107	19.439	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	222129	22.197	ug/L	99

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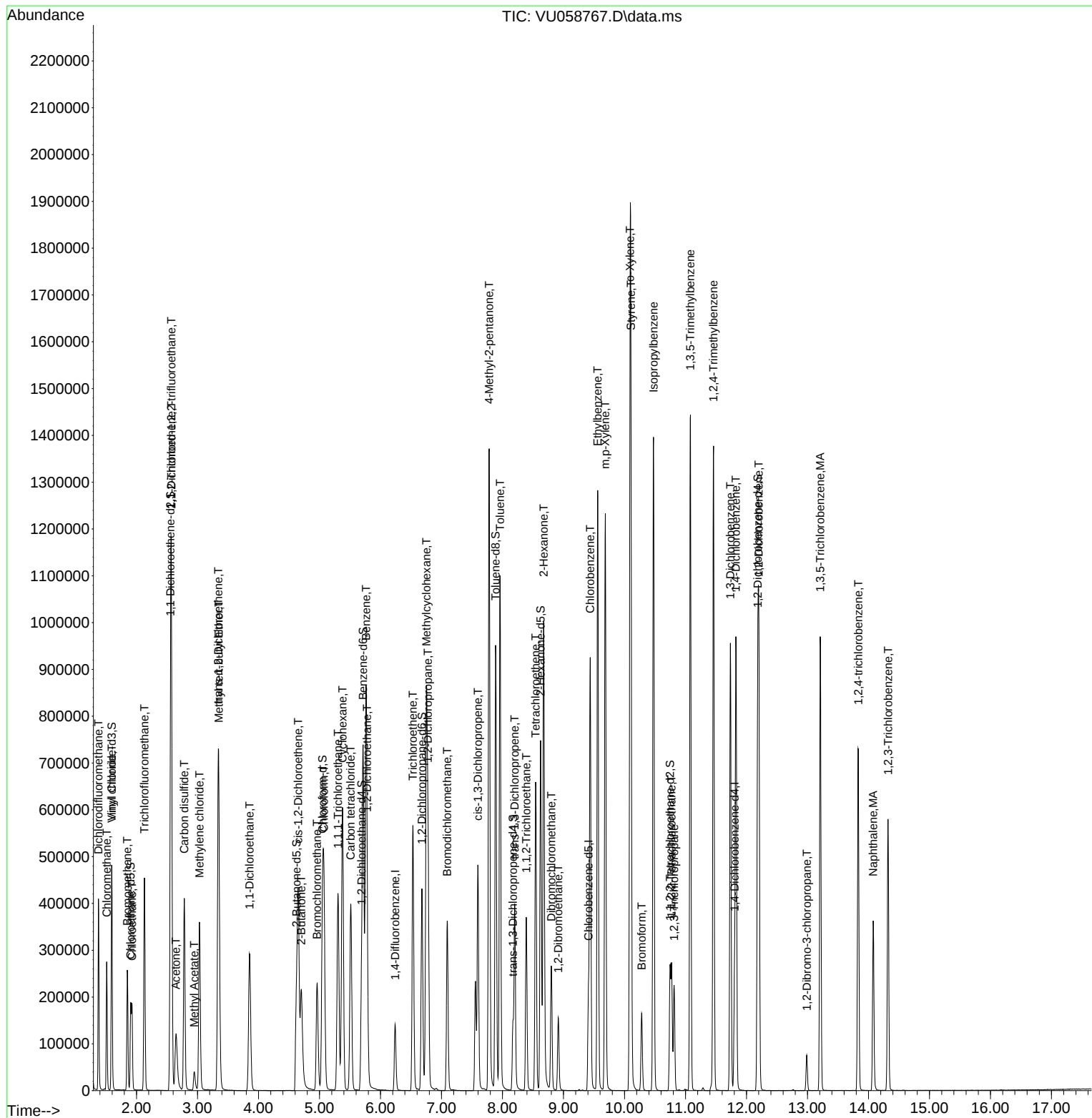
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	111111	19.336	ug/L	99
47) Tetrachloroethene	8.544	164	137471	19.695	ug/L	98
48) 2-Hexanone	8.676	43	629031	194.269	ug/L	98
49) Dibromochloromethane	8.801	129	131882	19.827	ug/L	95
50) 1,2-Dibromoethane	8.914	107	101266	19.240	ug/L	95
51) Chlorobenzene	9.438	112	456456	19.237	ug/L	97
52) Ethylbenzene	9.560	91	882657	21.052	ug/L	99
53) m,p-Xylene	9.685	106	324283	21.622	ug/L	97
54) o-Xylene	10.090	106	307865	21.061	ug/L	98
55) Styrene	10.106	104	521758	22.017	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	129449	18.499	ug/L	99
59) Bromoform	10.283	173	72561	20.469	ug/L	99
60) Isopropylbenzene	10.476	105	870298	22.102	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	92752	17.554	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	749897	23.294	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	736211	22.652	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	359238	19.159	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	354403	19.366	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	315429	18.638	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	20492	22.035	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	275963	19.976	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	207348	19.586	ug/L	100
71) Naphthalene	14.077	128	276620	19.240	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	164235	18.886	ug/L	98

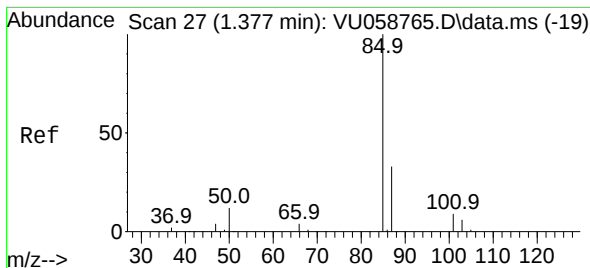
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#2

Dichlorodifluoromethane

Concen: 23.962 ug/L

RT: 1.377 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

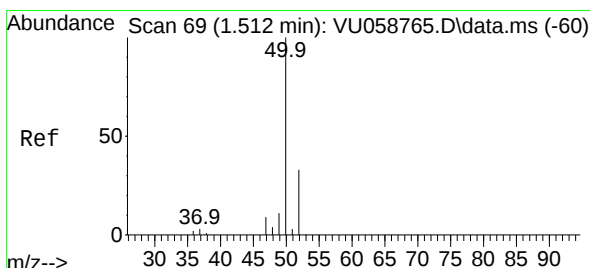
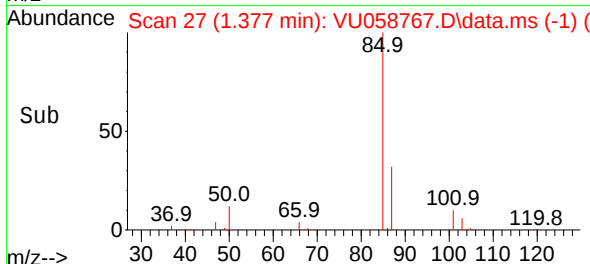
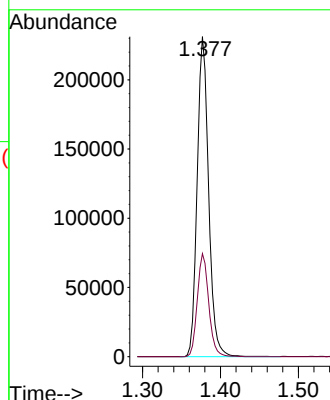
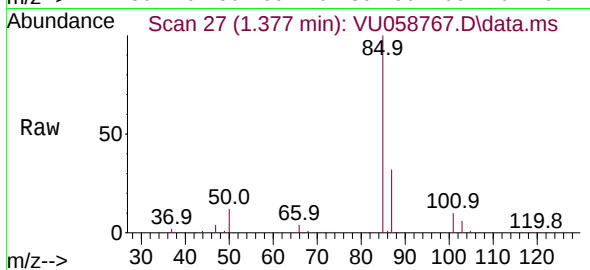
ClientSampleId :

Tgt Ion: 85 Resp: 235529

Ion Ratio Lower Upper

85 100

87 32.2 26.0 39.0



#3

Chloromethane

Concen: 16.630 ug/L

RT: 1.512 min Scan# 69

Delta R.T. 0.000 min

Lab File: VU058767.D

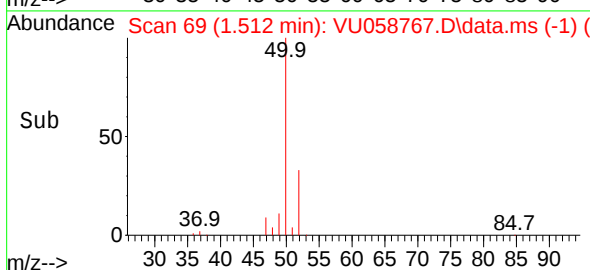
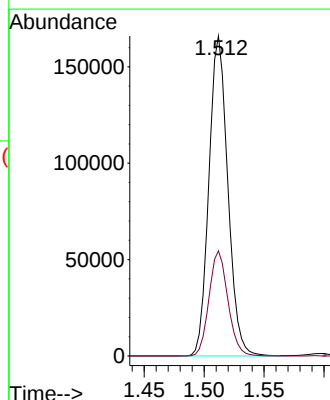
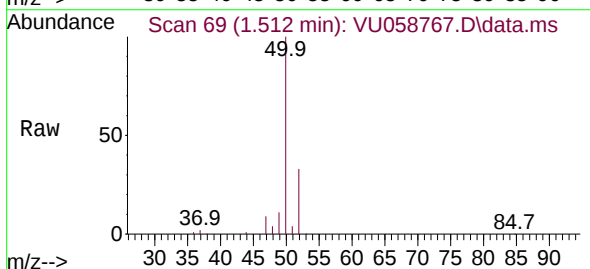
Acq: 22 Apr 2024 13:12

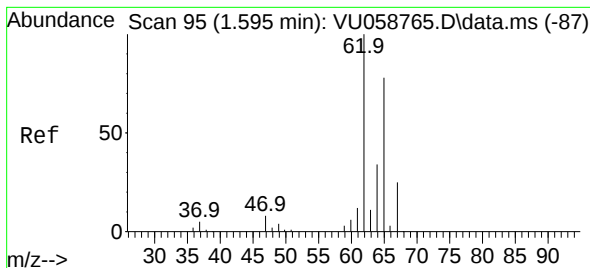
Tgt Ion: 50 Resp: 182032

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.8





#5

Vinyl chloride

Concen: 17.162 ug/L

RT: 1.596 min Scan# 95

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

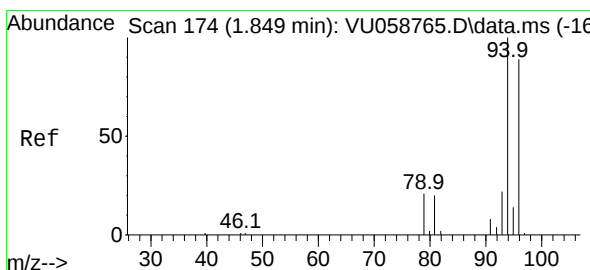
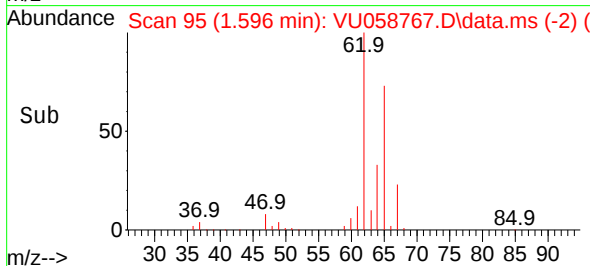
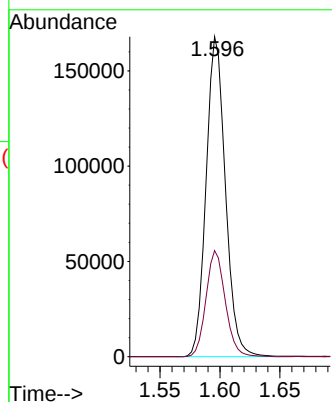
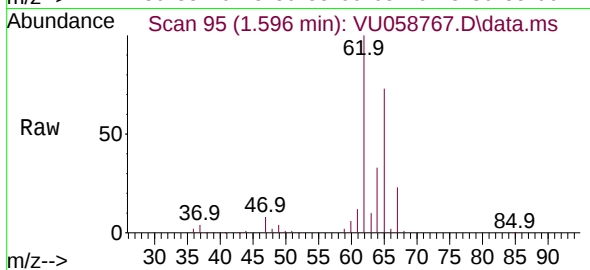
ClientSampleId :

Tgt Ion: 62 Resp: 187830

Ion Ratio Lower Upper

62 100

64 33.2 23.8 44.2



#6

Bromomethane

Concen: 20.952 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU058767.D

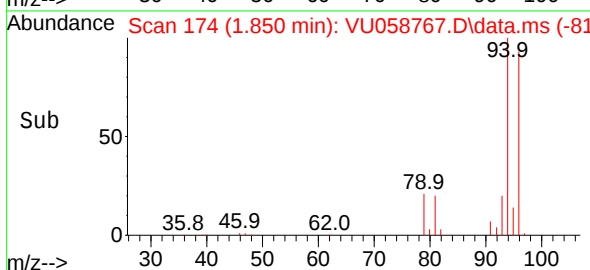
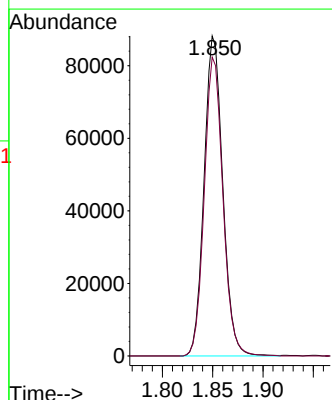
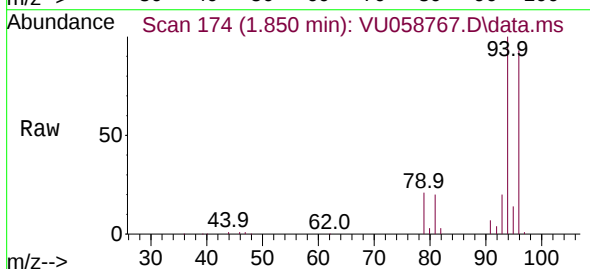
Acq: 22 Apr 2024 13:12

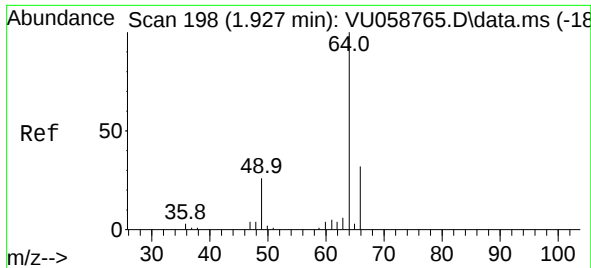
Tgt Ion: 94 Resp: 113915

Ion Ratio Lower Upper

94 100

96 93.4 62.2 115.6





#8

Chloroethane

Concen: 15.405 ug/L

RT: 1.927 min Scan# 198

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

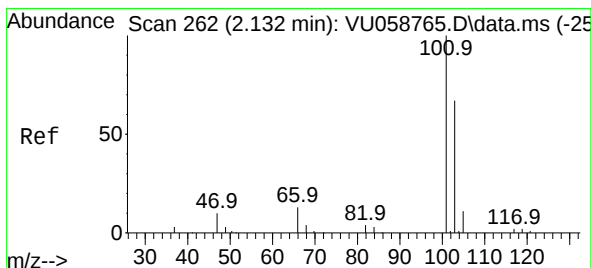
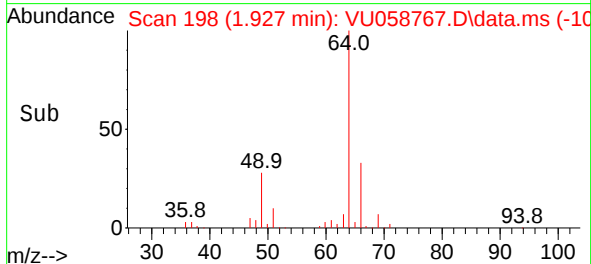
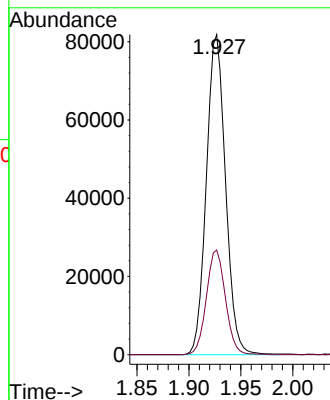
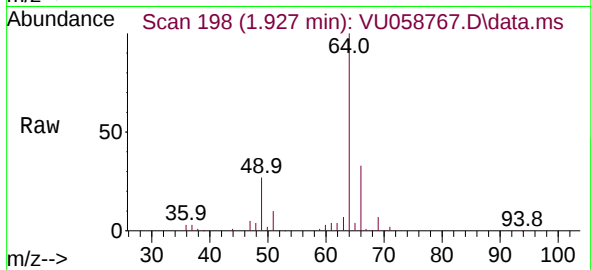
ClientSampleId :

Tgt Ion: 64 Resp: 104893

Ion Ratio Lower Upper

64 100

66 32.7 22.4 41.6



#9

Trichlorofluoromethane

Concen: 19.578 ug/L

RT: 2.129 min Scan# 261

Delta R.T. -0.003 min

Lab File: VU058767.D

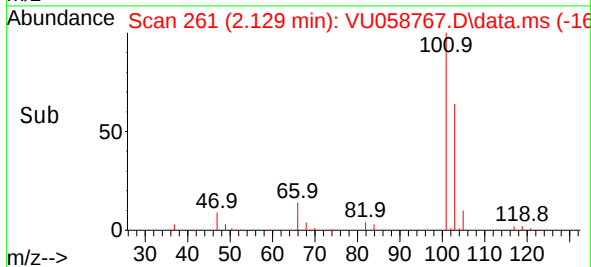
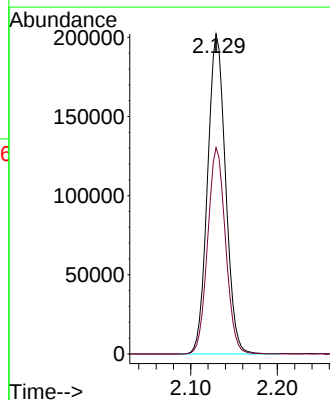
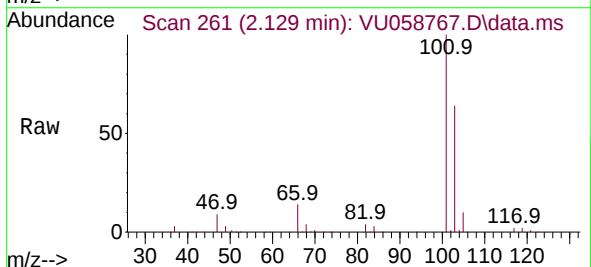
Acq: 22 Apr 2024 13:12

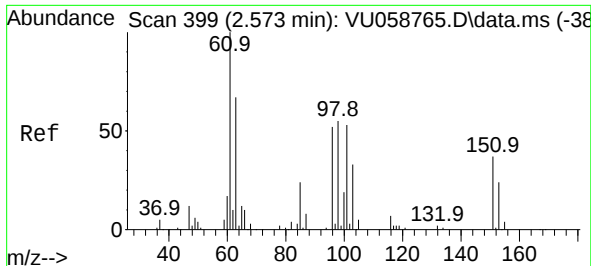
Tgt Ion:101 Resp: 291600

Ion Ratio Lower Upper

101 100

103 64.1 52.6 78.8

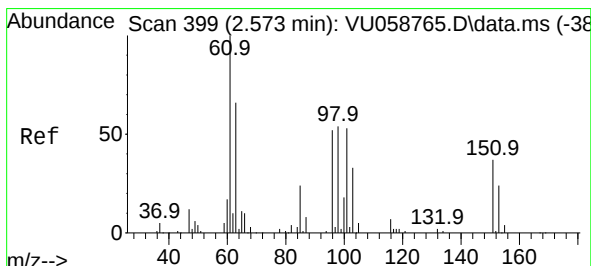
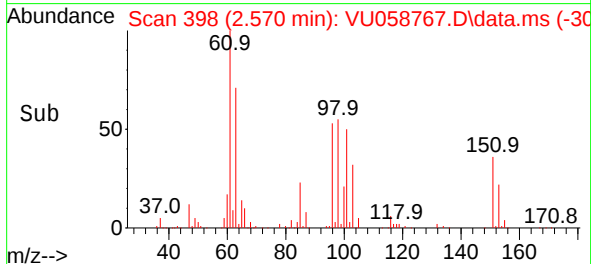
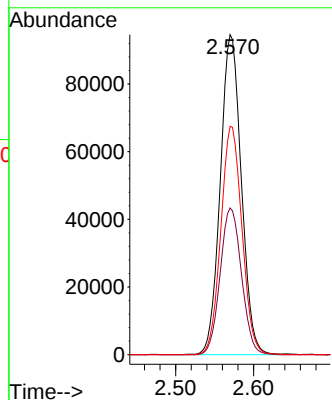
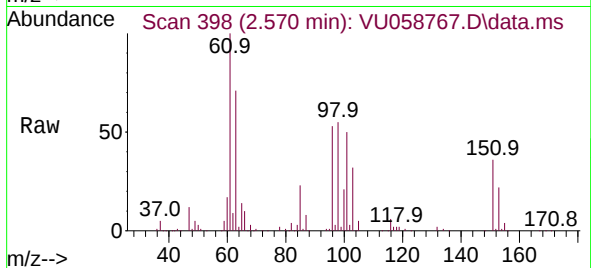




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.923 ug/L
 RT: 2.570 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU058767.D
 Acq: 22 Apr 2024 13:12

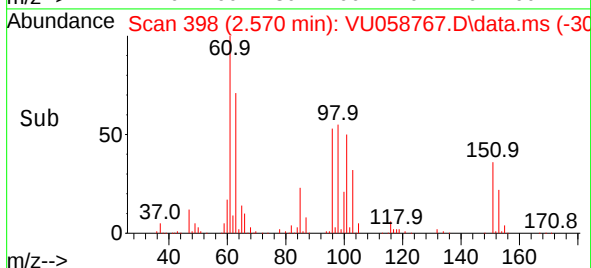
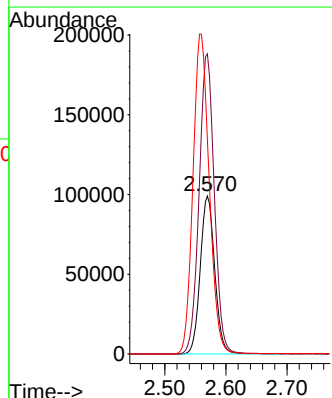
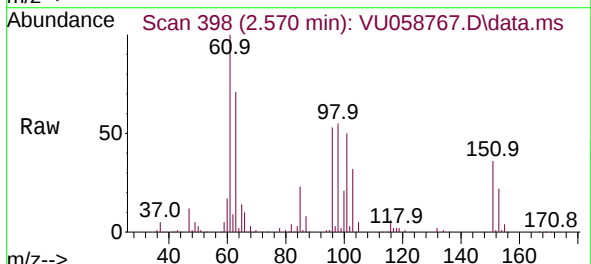
Instrument :
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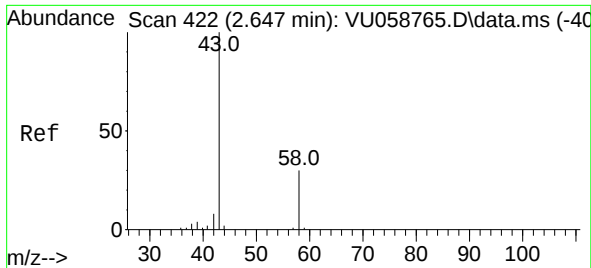
Tgt Ion:101 Resp: 177325
 Ion Ratio Lower Upper
 101 100
 85 46.4 36.7 55.1
 151 71.7 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 20.639 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU058767.D
 Acq: 22 Apr 2024 13:12

Tgt Ion: 96 Resp: 162942
 Ion Ratio Lower Upper
 96 100
 61 190.1 135.3 251.3
 63 135.5 91.9 170.7





#13

Acetone

Concen: 165.473 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

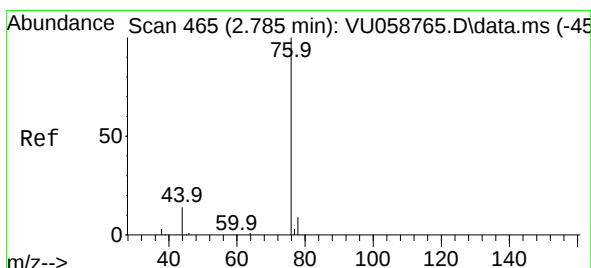
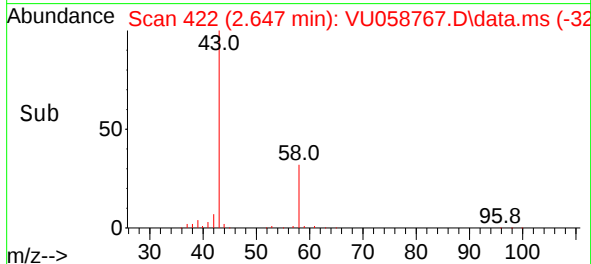
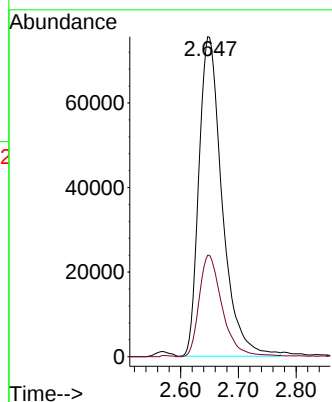
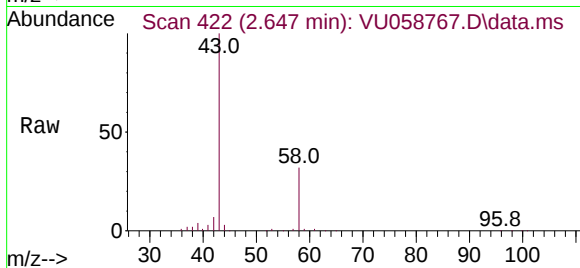
ClientSampleId :

Tgt Ion: 43 Resp: 211455

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.2



#14

Carbon disulfide

Concen: 21.059 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU058767.D

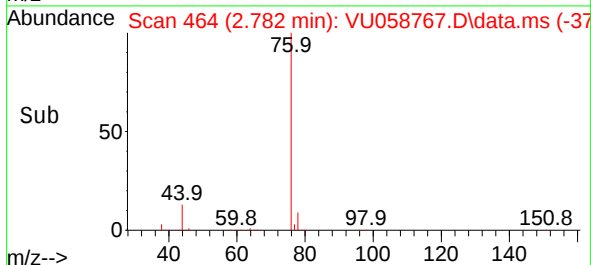
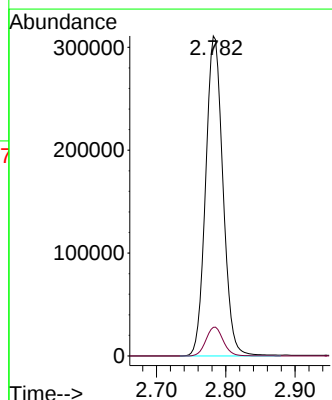
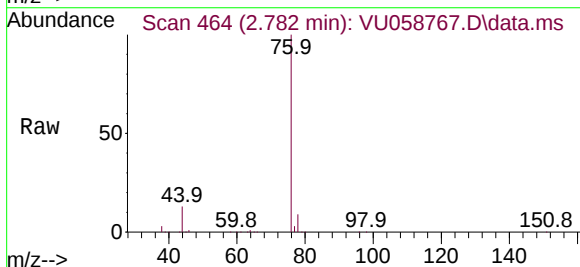
Acq: 22 Apr 2024 13:12

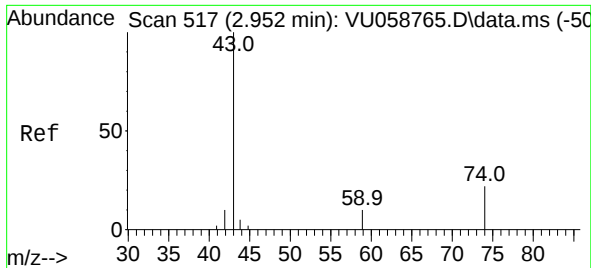
Tgt Ion: 76 Resp: 538262

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 18.726 ug/L

RT: 2.946 min Scan# 51

Delta R.T. -0.006 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

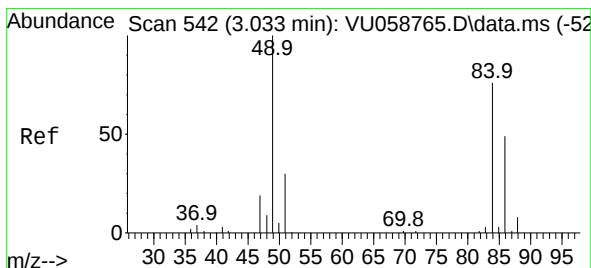
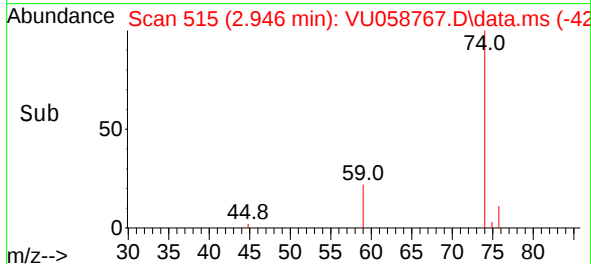
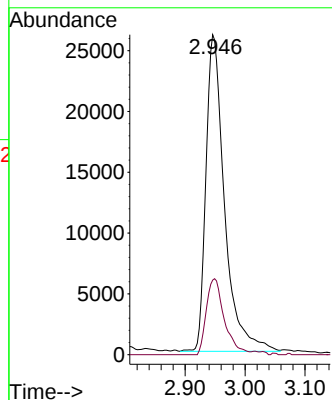
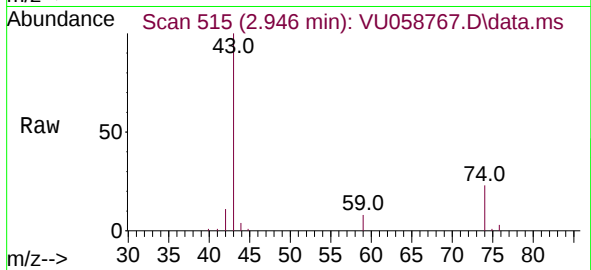
ClientSampleId :

Tgt Ion: 43 Resp: 56164

Ion Ratio Lower Upper

43 100

74 23.2 18.2 27.4



#16

Methylene chloride

Concen: 16.441 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

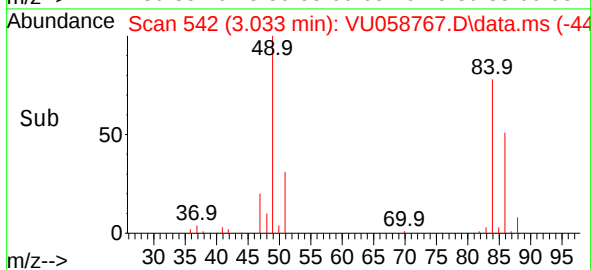
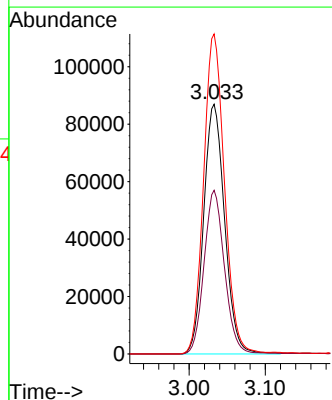
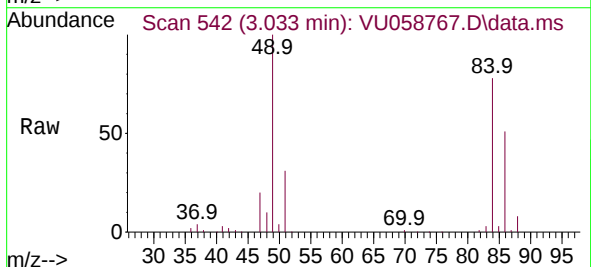
Tgt Ion: 84 Resp: 166396

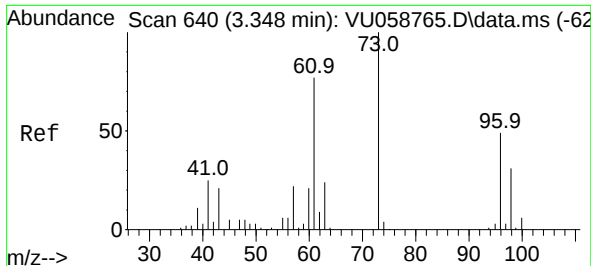
Ion Ratio Lower Upper

84 100

86 65.5 45.0 83.6

49 128.1 91.6 170.2

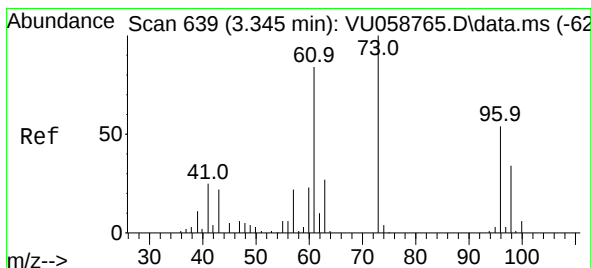
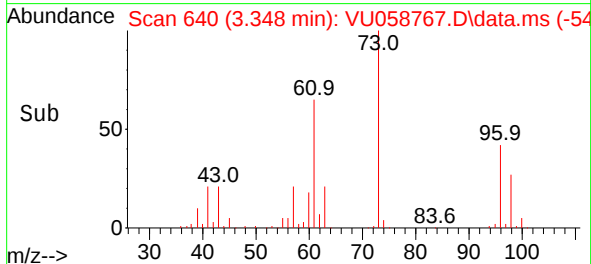
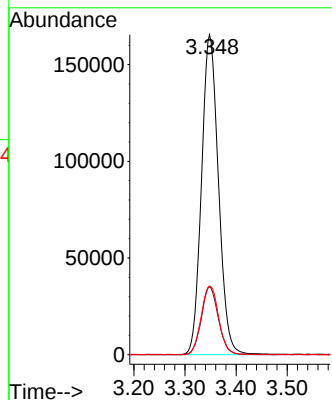
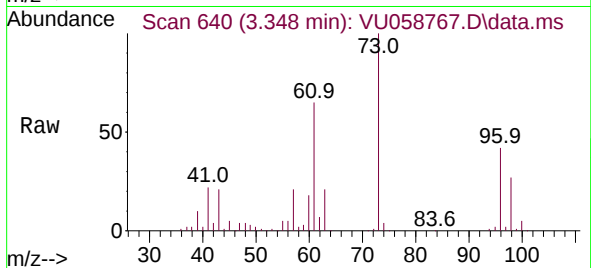




#17
Methyl tert-butyl Ether
Concen: 20.580 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

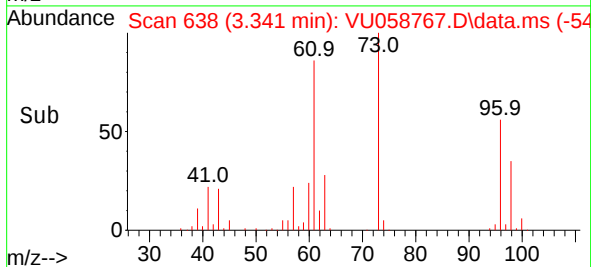
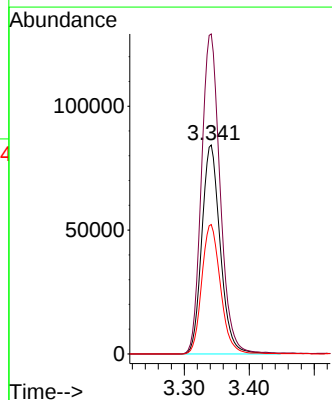
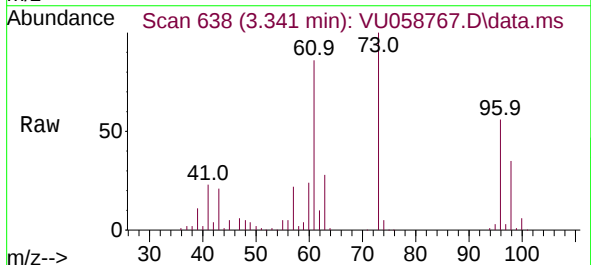
Instrument :
MSVOA_U
ClientSampleId :

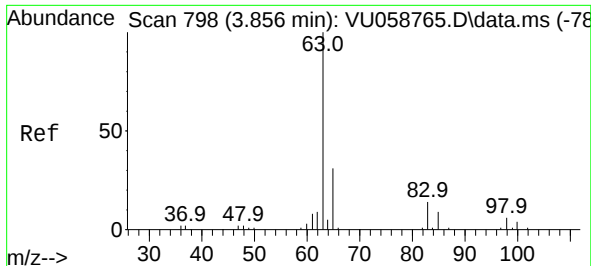
Tgt Ion: 73 Resp: 381568
Ion Ratio Lower Upper
73 100
43 21.1 17.7 26.5
57 22.2 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 20.356 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion: 96 Resp: 167079
Ion Ratio Lower Upper
96 100
61 153.1 108.6 201.8
98 62.0 44.4 82.4

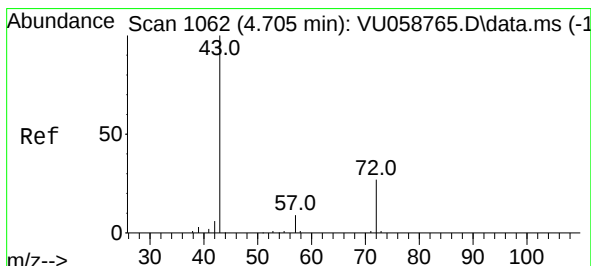
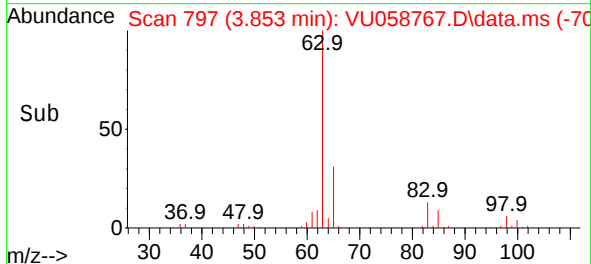
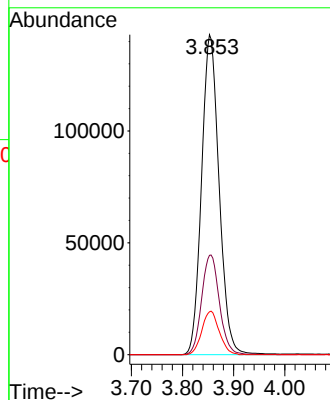
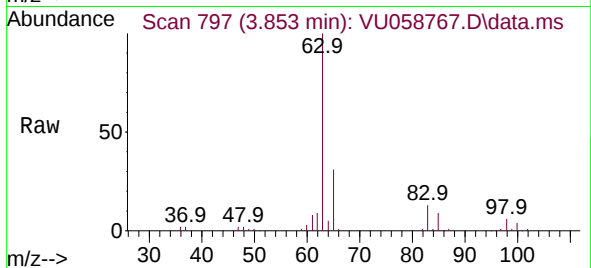




#19
1,1-Dichloroethane
Concen: 19.090 ug/L
RT: 3.853 min Scan# 798
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

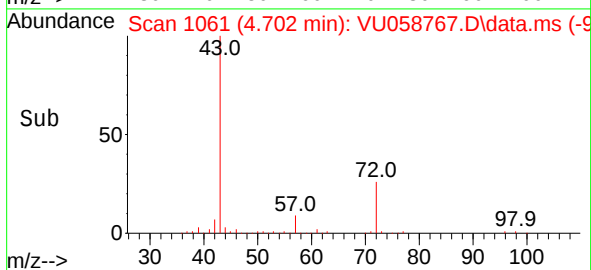
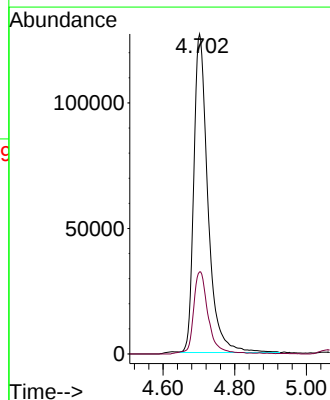
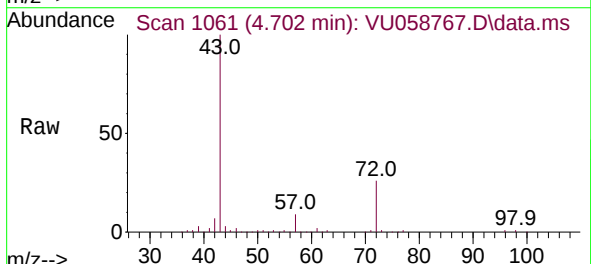
Instrument :
MSVOA_U
ClientSampleId :

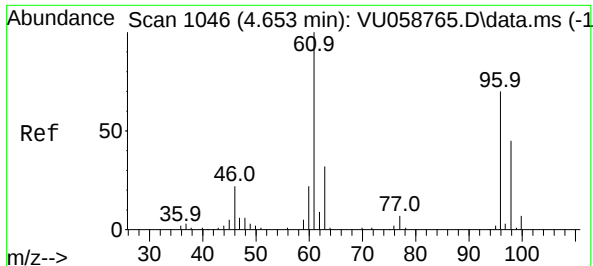
Tgt Ion: 63 Resp: 341244
Ion Ratio Lower Upper
63 100
65 31.0 21.6 40.2
83 13.4 9.5 17.7



#21
2-Butanone
Concen: 181.820 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion: 43 Resp: 347543
Ion Ratio Lower Upper
43 100
72 26.8 12.8 38.4

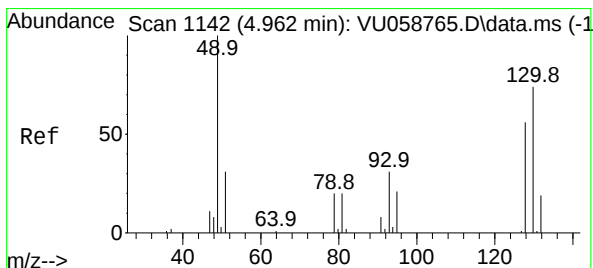
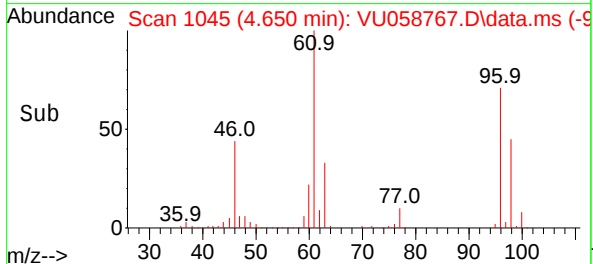
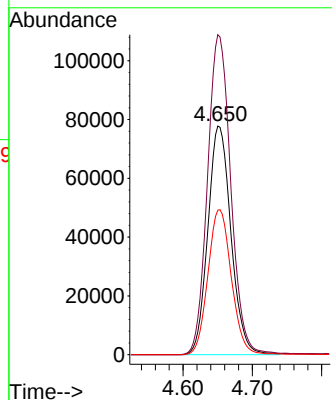
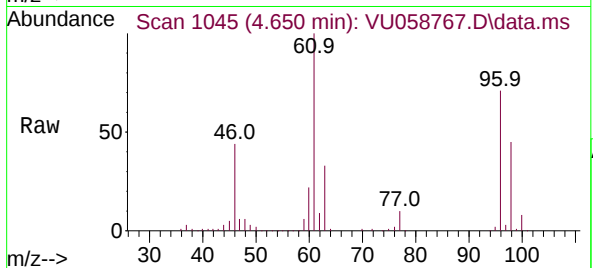




#22
cis-1,2-Dichloroethene
Concen: 19.716 ug/L
RT: 4.650 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

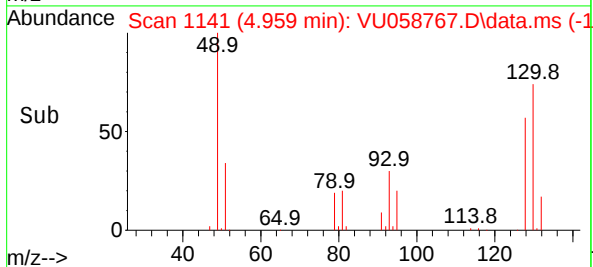
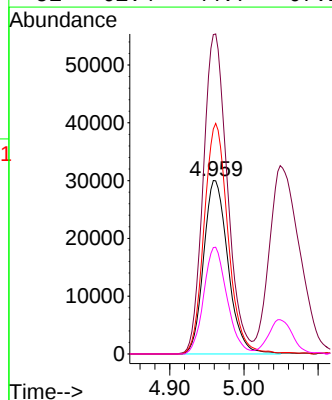
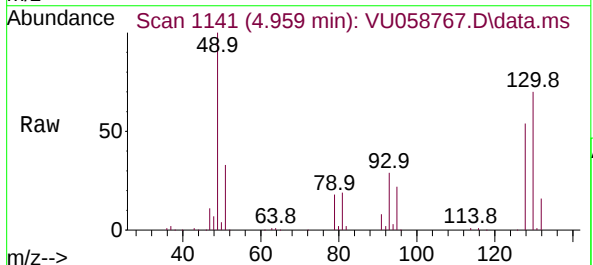
Instrument :
MSVOA_U
ClientSampleId :

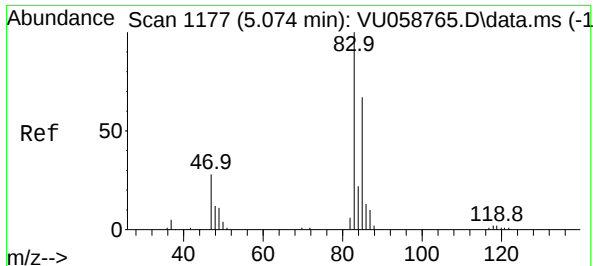
Tgt Ion: 96 Resp: 180502
Ion Ratio Lower Upper
96 100
61 139.9 100.4 186.4
98 63.2 45.1 83.7



#23
Bromochloromethane
Concen: 18.928 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:128 Resp: 68338
Ion Ratio Lower Upper
128 100
49 184.1 129.1 239.7
130 129.7 92.1 171.1
51 61.4 44.7 67.1





#25

Chloroform

Concen: 19.664 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

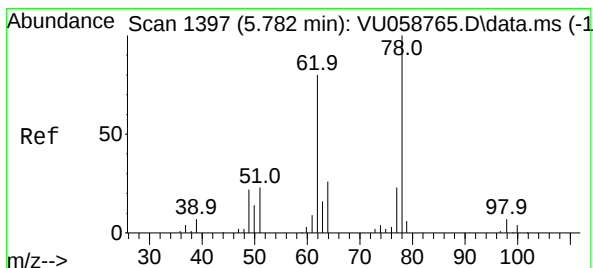
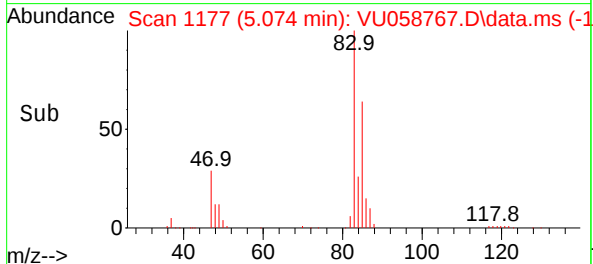
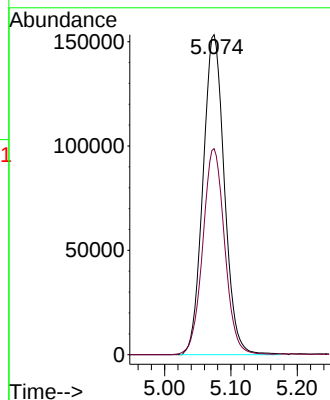
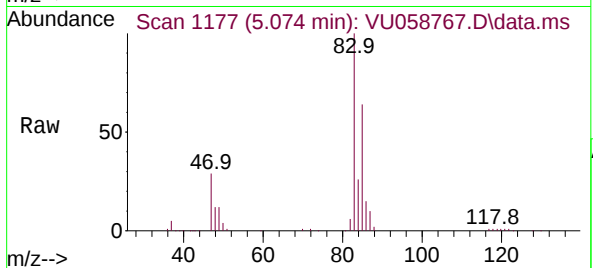
ClientSampleId :

Tgt Ion: 83 Resp: 343359

Ion Ratio Lower Upper

83 100

85 64.4 47.0 87.4



#27

1,2-Dichloroethane

Concen: 19.455 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU058767.D

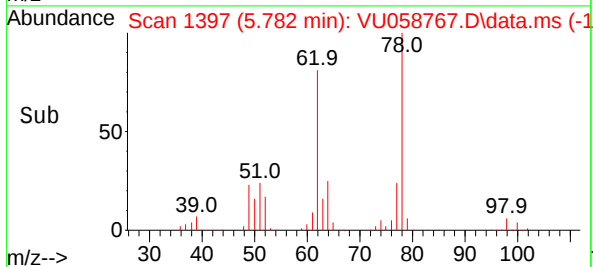
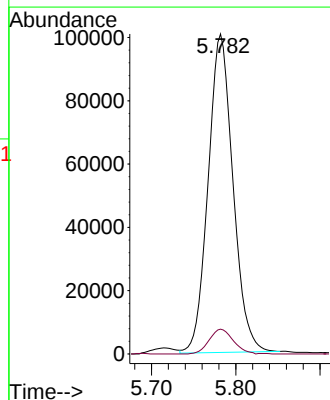
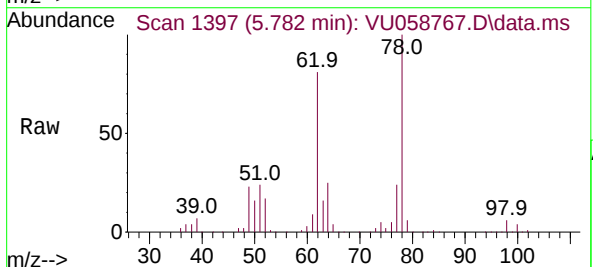
Acq: 22 Apr 2024 13:12

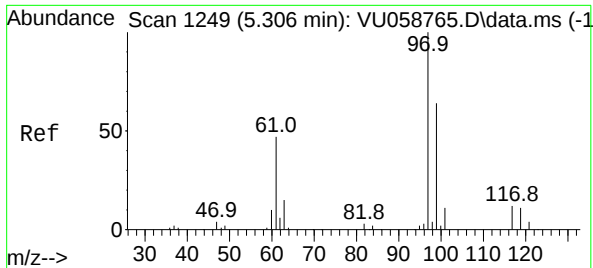
Tgt Ion: 62 Resp: 205986

Ion Ratio Lower Upper

62 100

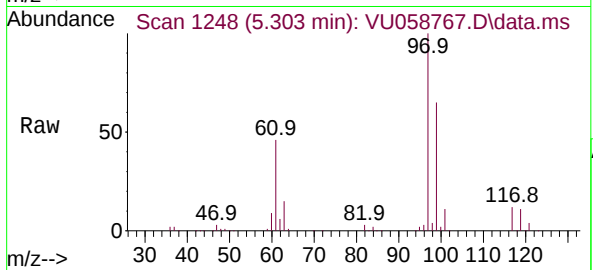
98 7.7 6.7 10.1



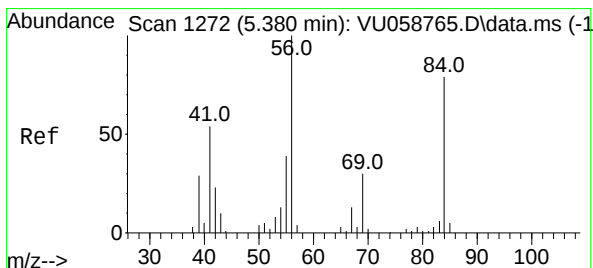
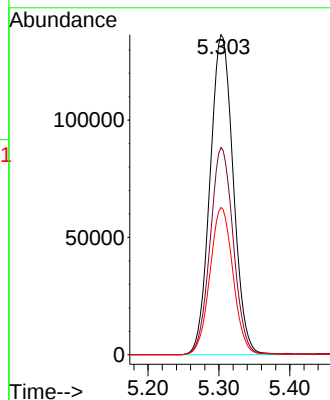
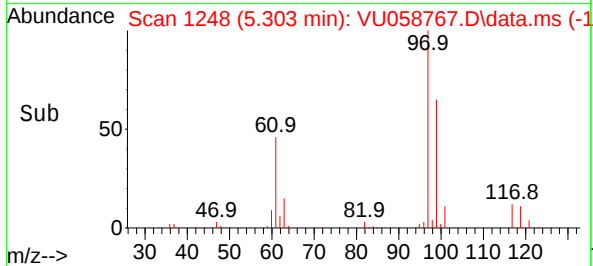


#29
1,1,1-Trichloroethane
Concen: 21.666 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Instrument :
MSVOA_U
ClientSampleId :

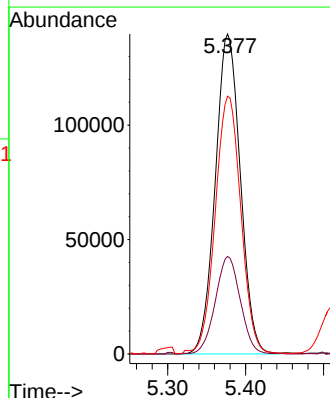
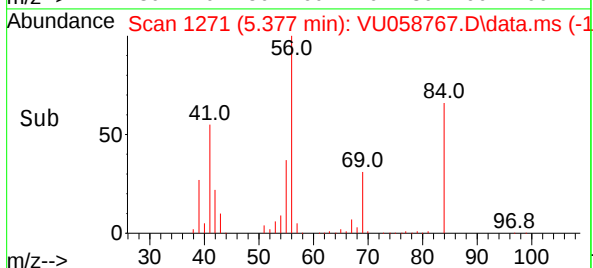
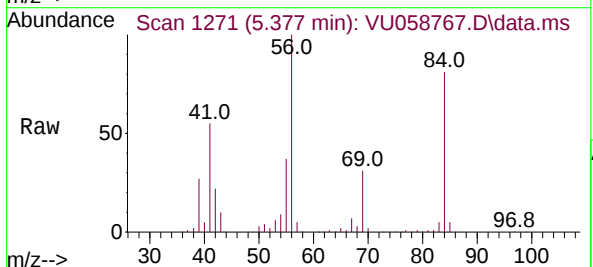


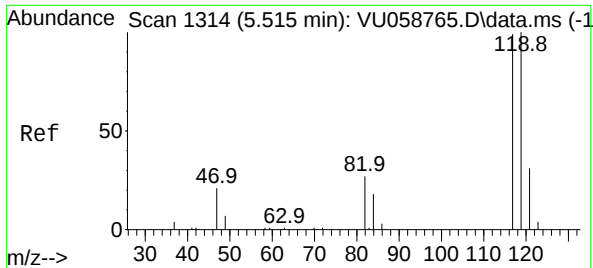
Tgt Ion: 97 Resp: 310224
Ion Ratio Lower Upper
97 100
99 64.7 50.5 75.7
61 45.9 37.3 55.9



#30
Cyclohexane
Concen: 21.203 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion: 56 Resp: 313462
Ion Ratio Lower Upper
56 100
69 30.3 23.7 35.5
84 81.9 64.2 96.4

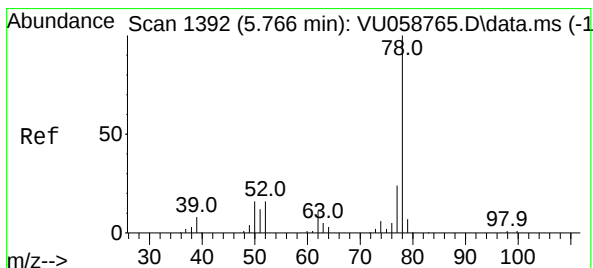
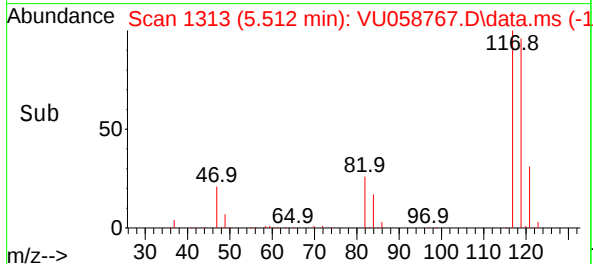
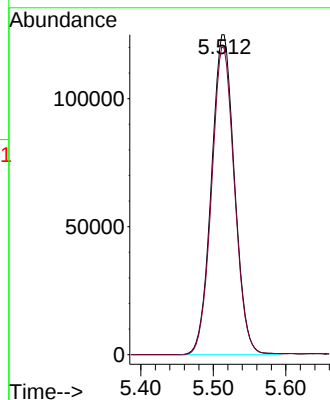
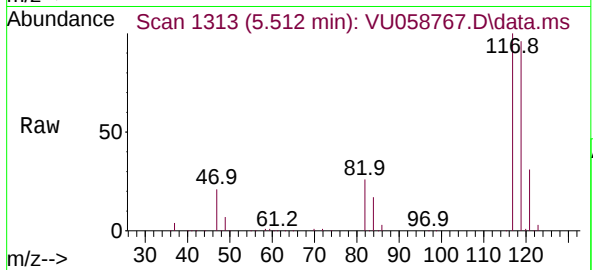




#31
Carbon tetrachloride
Concen: 22.629 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

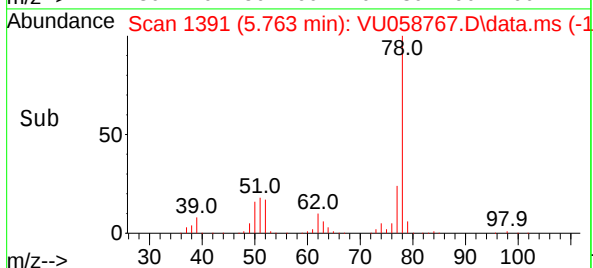
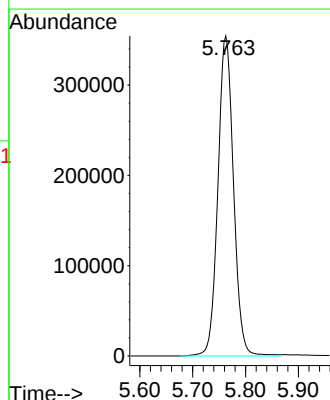
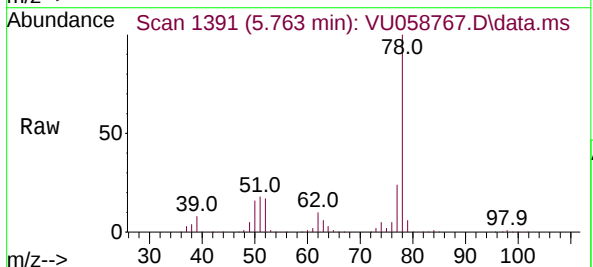
Instrument :
MSVOA_U
ClientSampleId :

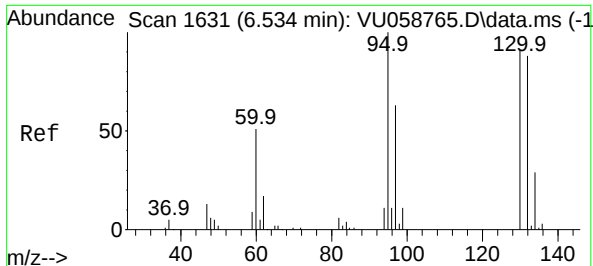
Tgt Ion:117 Resp: 276767
Ion Ratio Lower Upper
117 100
119 95.2 77.0 115.4



#33
Benzene
Concen: 19.399 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

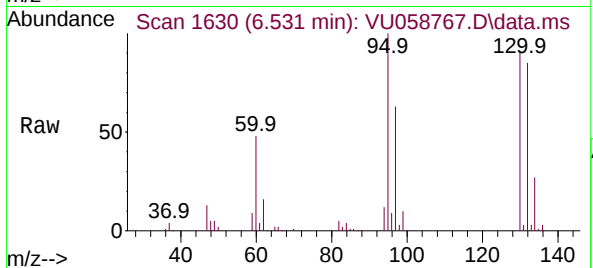
Tgt Ion: 78 Resp: 727059



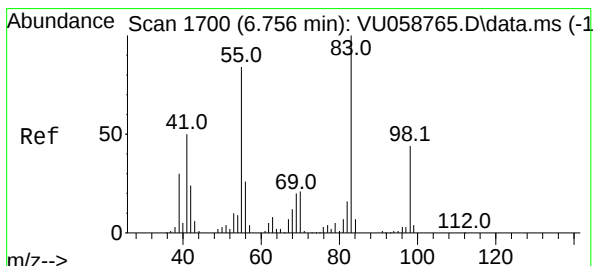
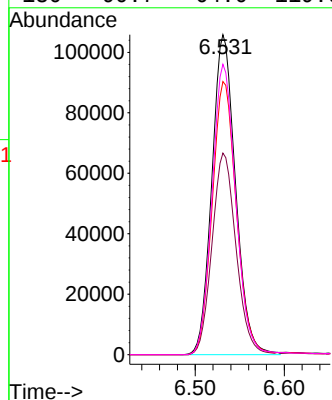
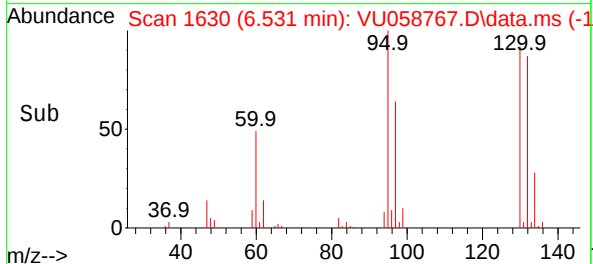


#34
Trichloroethene
Concen: 20.403 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

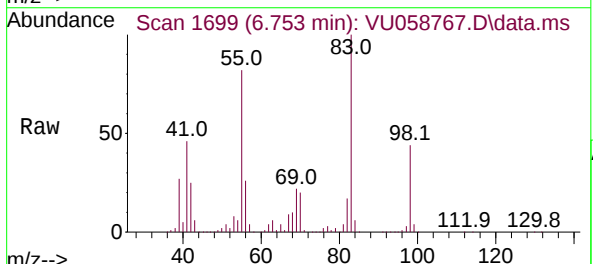
Instrument :
MSVOA_U
ClientSampleId :



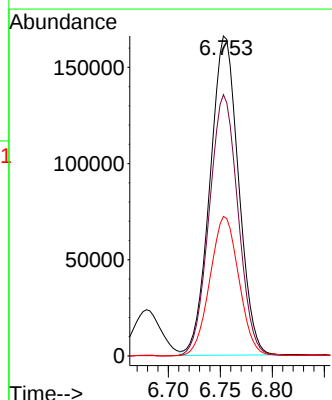
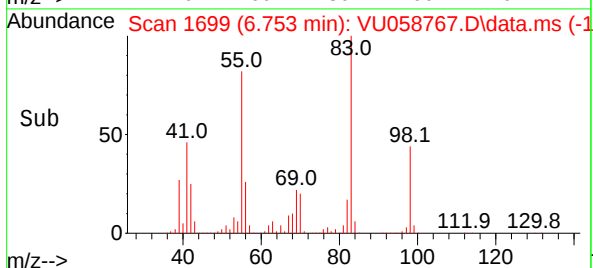
Tgt Ion: 95 Resp: 195563
Ion Ratio Lower Upper
95 100
97 63.0 44.4 82.4
132 85.3 61.6 114.4
130 90.7 64.0 119.0

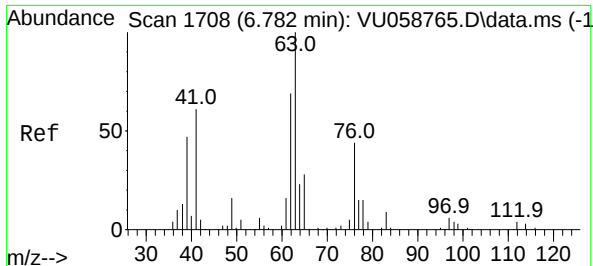


#35
Methylcyclohexane
Concen: 21.992 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12



Tgt Ion: 83 Resp: 316586
Ion Ratio Lower Upper
83 100
55 82.8 66.6 100.0
98 44.1 35.4 53.2

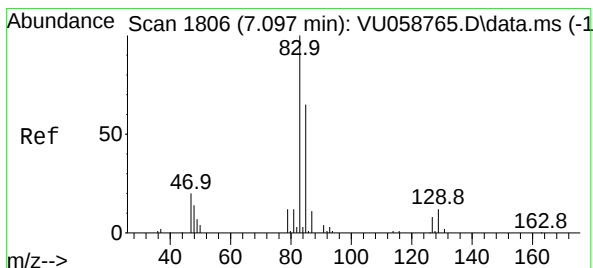
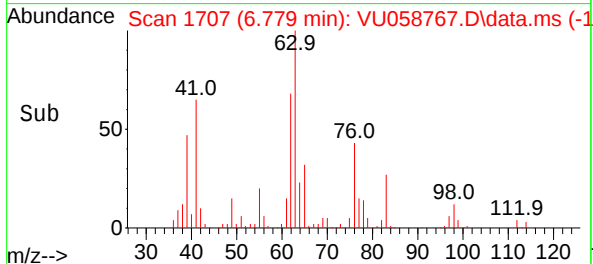
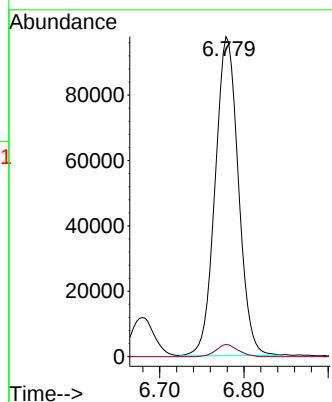
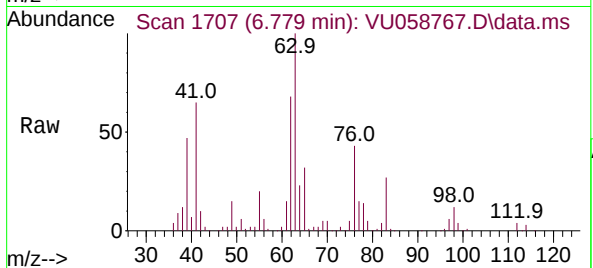




#37
1,2-Dichloropropane
Concen: 19.074 ug/L
RT: 6.779 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

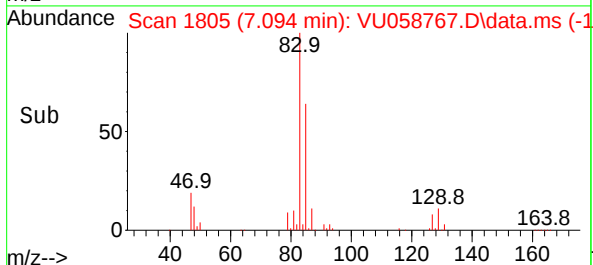
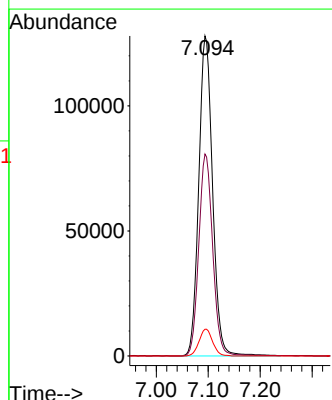
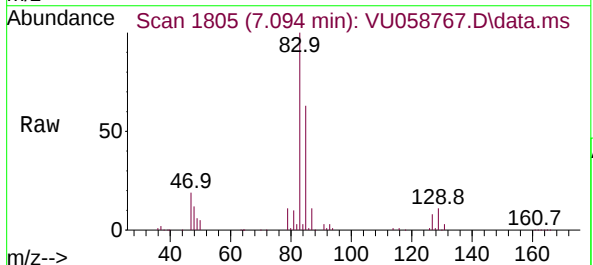
Instrument :
MSVOA_U
ClientSampleId :

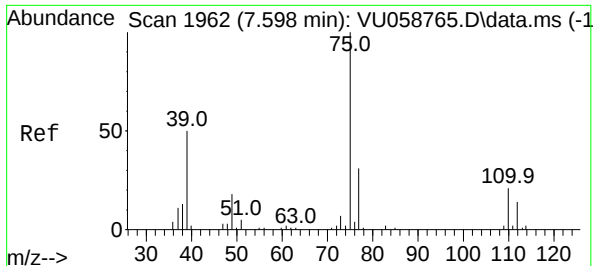
Tgt Ion: 63 Resp: 186781
Ion Ratio Lower Upper
63 100
112 3.6 2.8 4.2



#38
Bromodichloromethane
Concen: 20.729 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion: 83 Resp: 236370
Ion Ratio Lower Upper
83 100
85 63.1 45.2 84.0
127 8.4 6.3 9.5

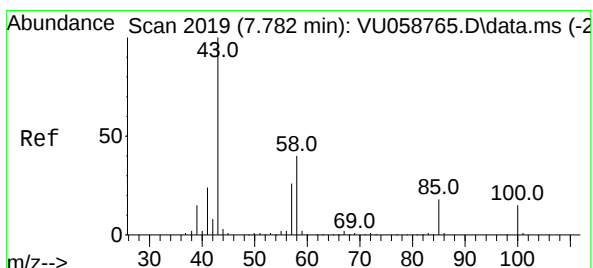
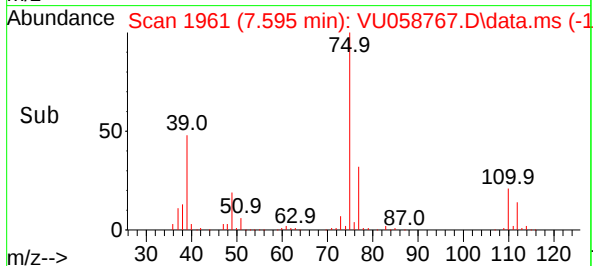
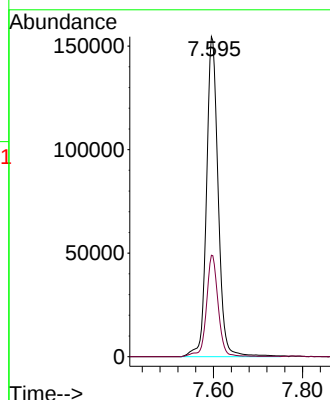
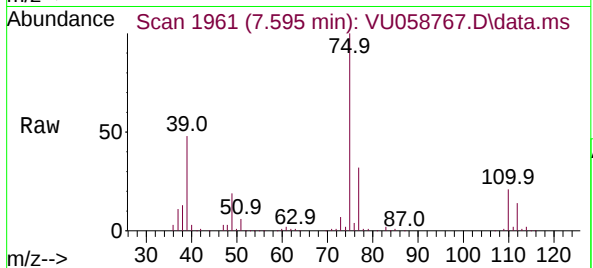




#39
 cis-1,3-Dichloropropene
 Concen: 21.964 ug/L
 RT: 7.595 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU058767.D
 Acq: 22 Apr 2024 13:12

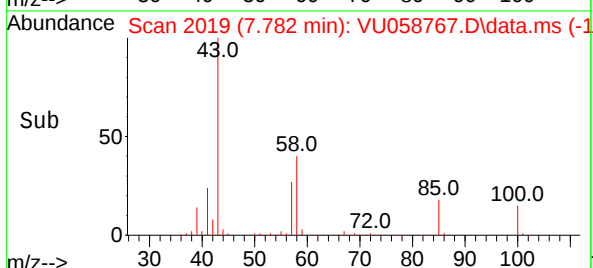
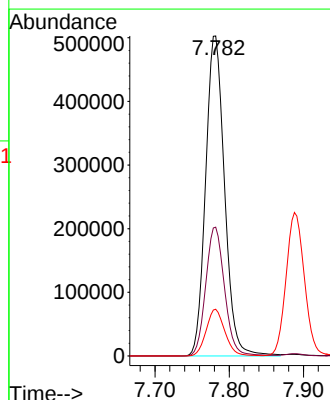
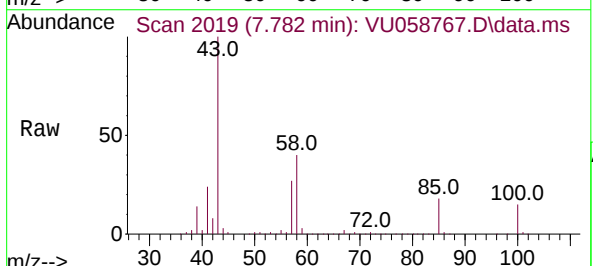
Instrument :
 MSVOA_U
 ClientSampleId :

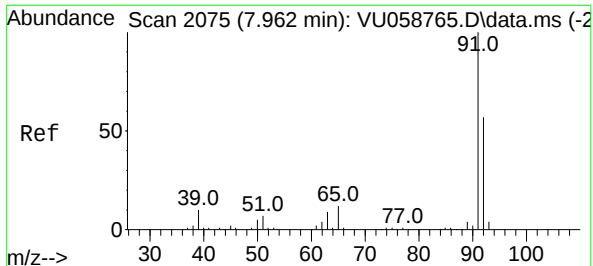
Tgt Ion: 75 Resp: 280575
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 194.507 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058767.D
 Acq: 22 Apr 2024 13:12

Tgt Ion: 43 Resp: 890611
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.5 47.3
 100 14.4 11.4 17.0





#42

Toluene

Concen: 19.439 ug/L

RT: 7.959 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

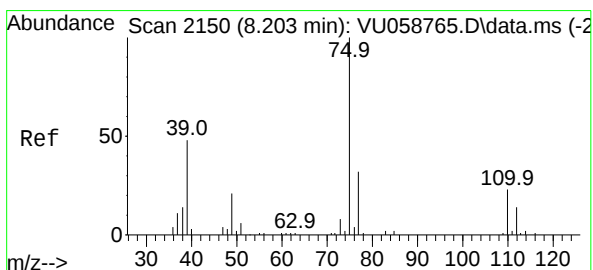
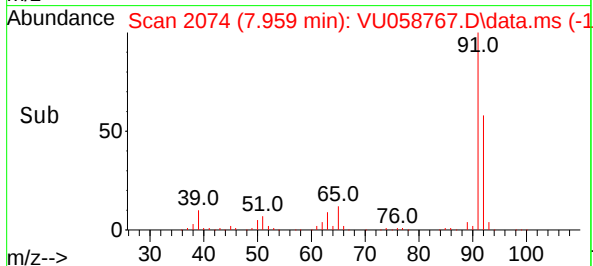
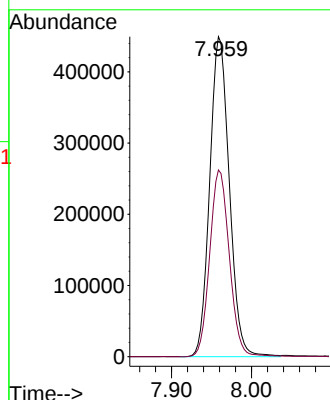
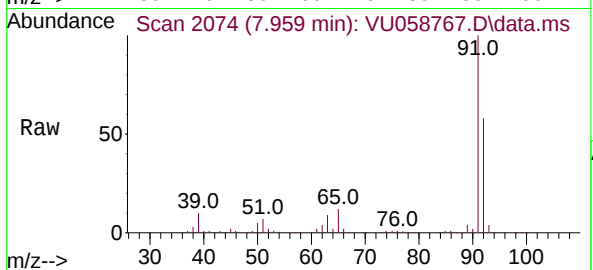
ClientSampleId :

Tgt Ion: 91 Resp: 764107

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 22.197 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU058767.D

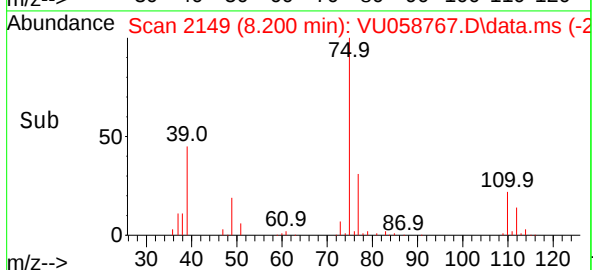
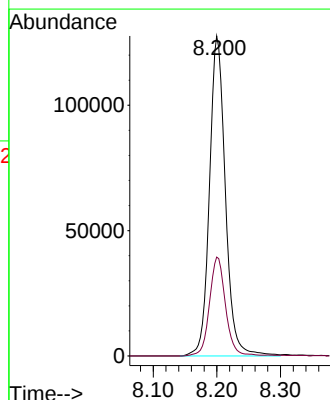
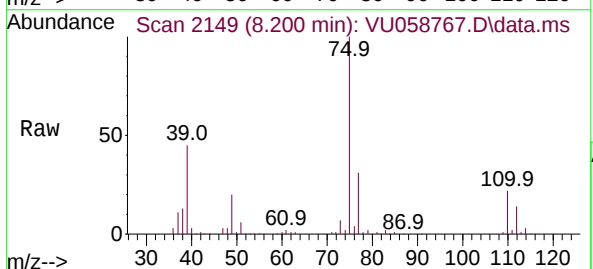
Acq: 22 Apr 2024 13:12

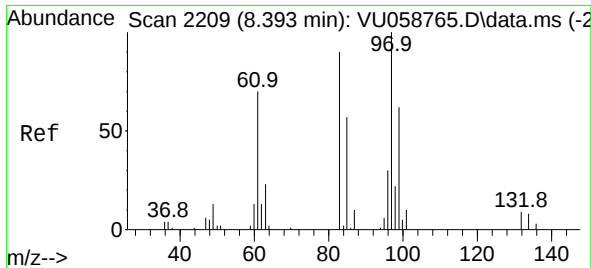
Tgt Ion: 75 Resp: 222129

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



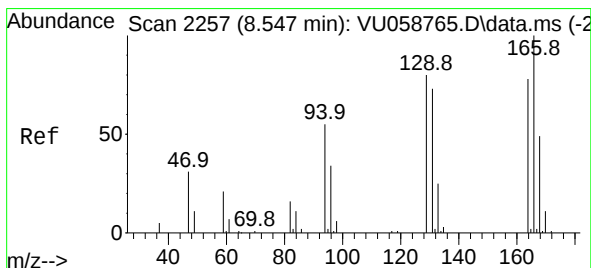
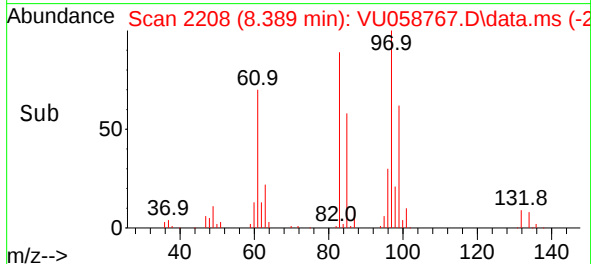
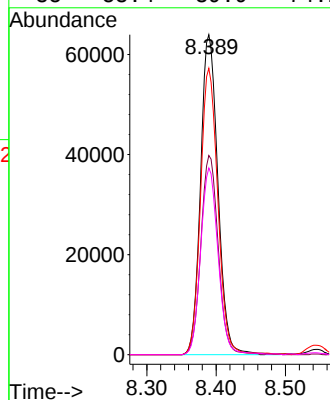
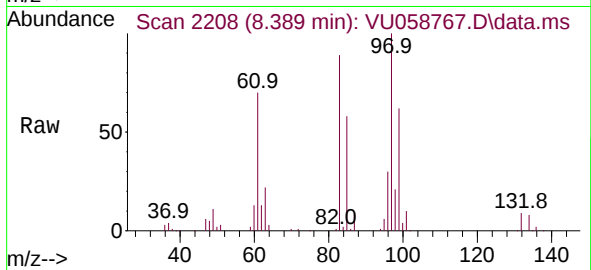


#45
1,1,2-Trichloroethane
Concen: 19.336 ug/L
RT: 8.389 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 111111

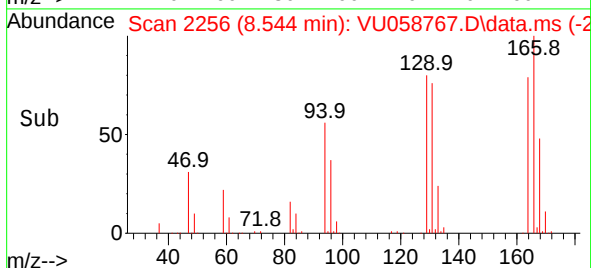
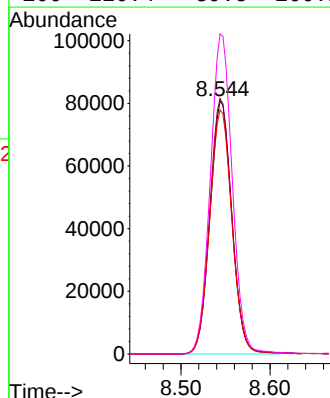
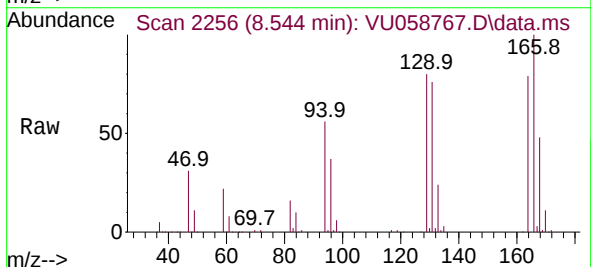
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.7	81.1
83	89.5	62.9	116.9
85	58.4	39.9	74.1

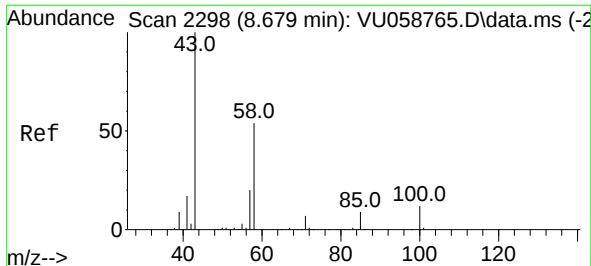


#47
Tetrachloroethene
Concen: 19.695 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:164 Resp: 137471

Ion	Ratio	Lower	Upper
164	100		
129	100.9	71.5	132.9
131	96.5	65.0	120.6
166	126.4	89.5	166.1





#48

2-Hexanone

Concen: 194.269 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 629031

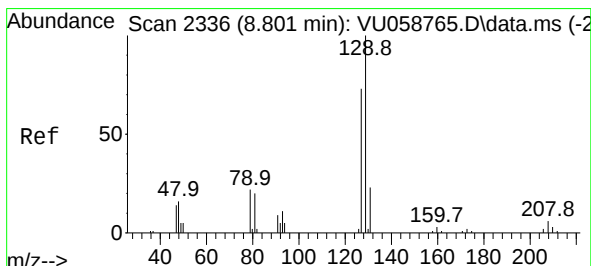
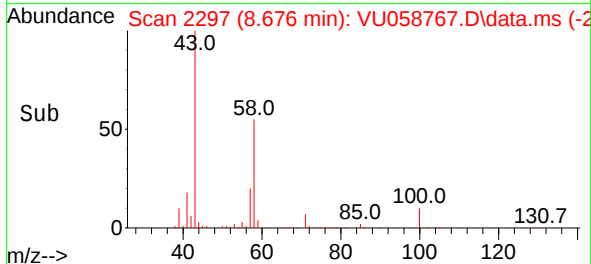
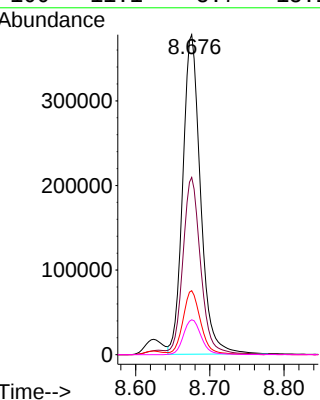
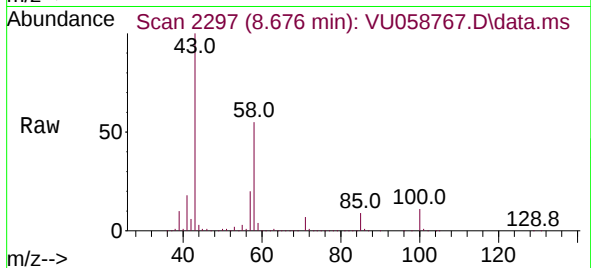
Ion Ratio Lower Upper

43 100

58 55.8 43.7 65.5

57 19.9 15.0 22.4

100 11.1 8.7 13.1



#49

Dibromochloromethane

Concen: 19.827 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU058767.D

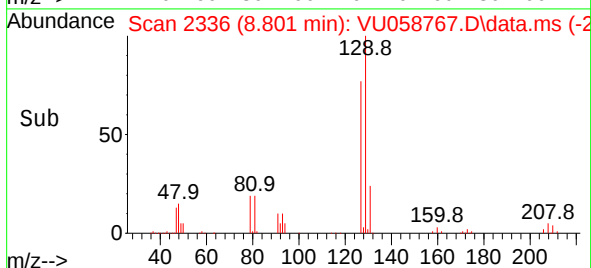
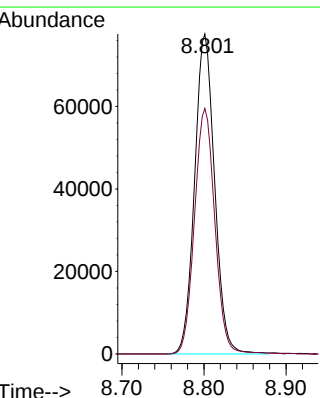
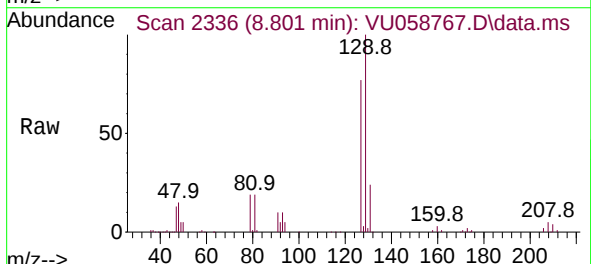
Acq: 22 Apr 2024 13:12

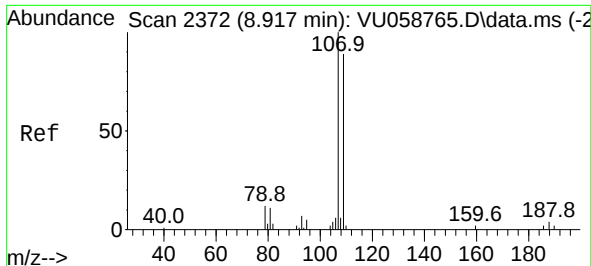
Tgt Ion: 129 Resp: 131882

Ion Ratio Lower Upper

129 100

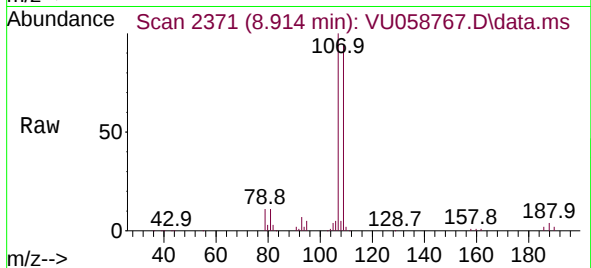
127 76.7 51.0 94.8



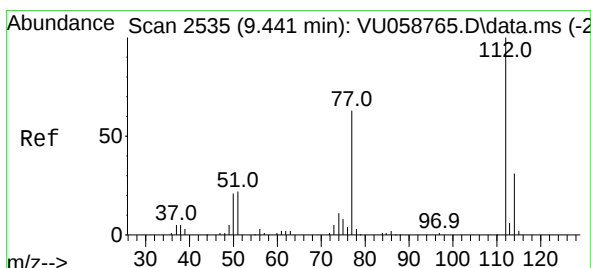
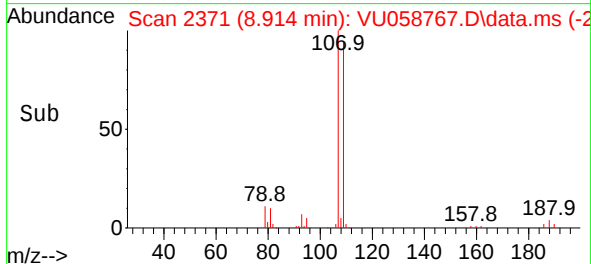
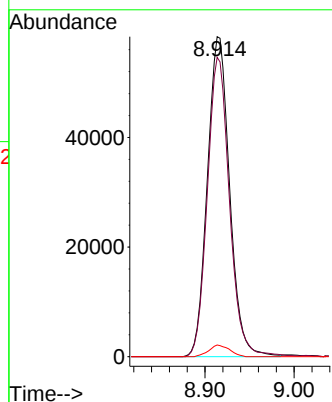


#50
1,2-Dibromoethane
Concen: 19.240 ug/L
RT: 8.914 min Scan# 2371
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Instrument :
MSVOA_U
ClientSampleId :

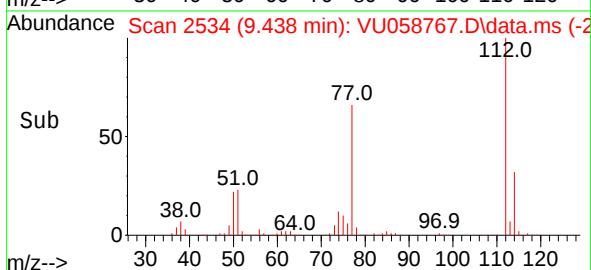
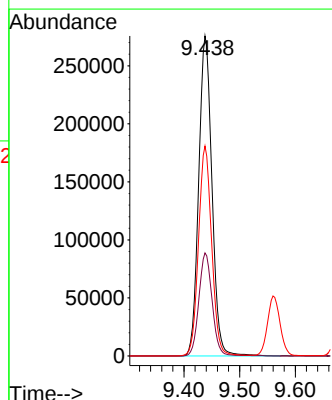
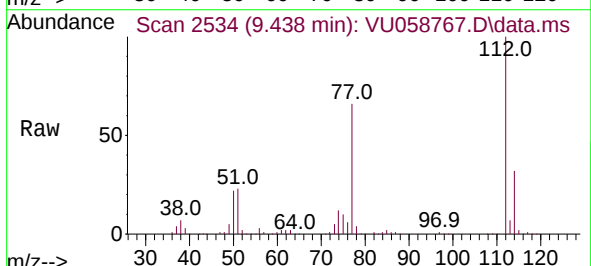


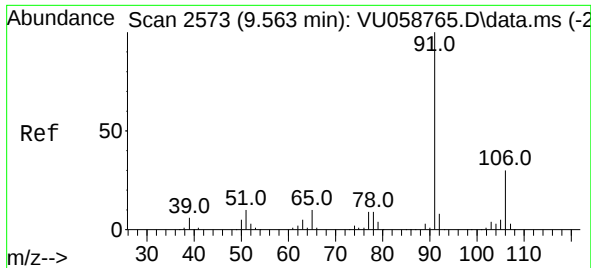
Tgt Ion:107 Resp: 101266
Ion Ratio Lower Upper
107 100
109 93.6 62.3 115.7
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 19.237 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:112 Resp: 456456
Ion Ratio Lower Upper
112 100
114 32.2 21.7 40.3
77 65.6 50.5 75.7

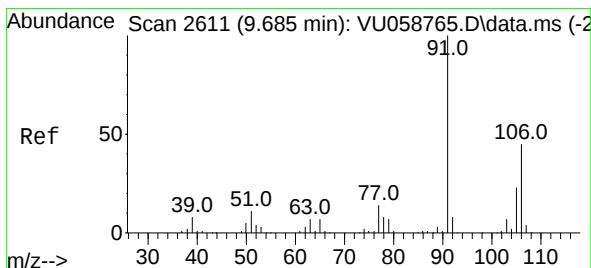
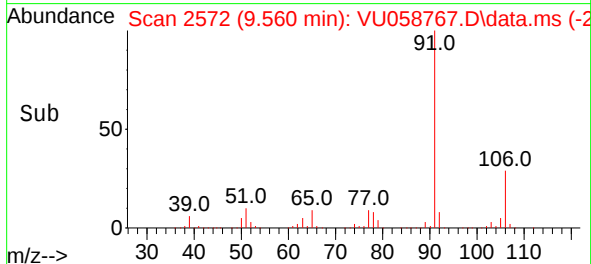
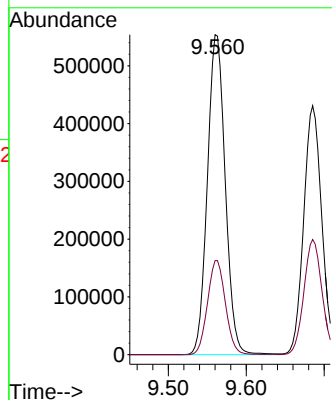
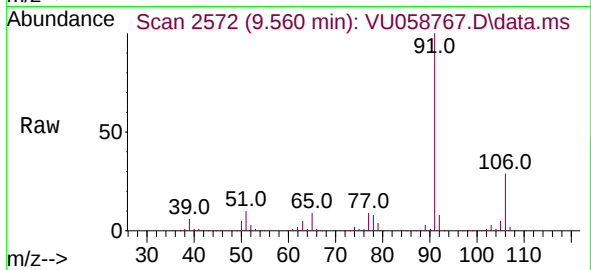




#52
Ethylbenzene
Concen: 21.052 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

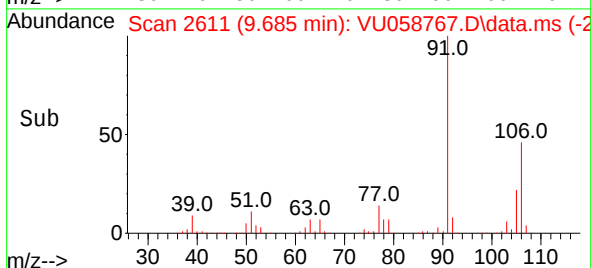
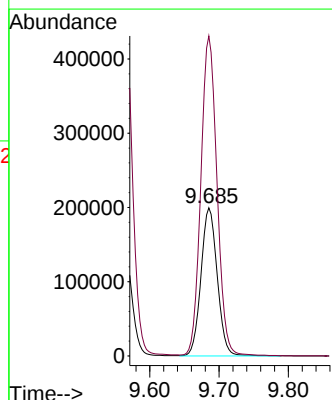
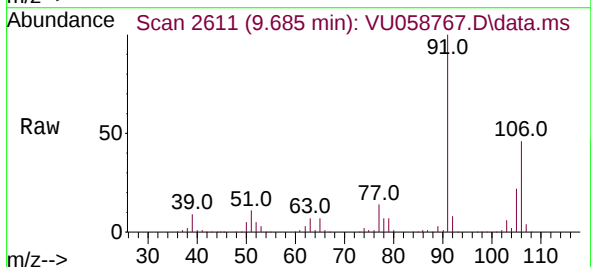
Instrument :
MSVOA_U
ClientSampleId :

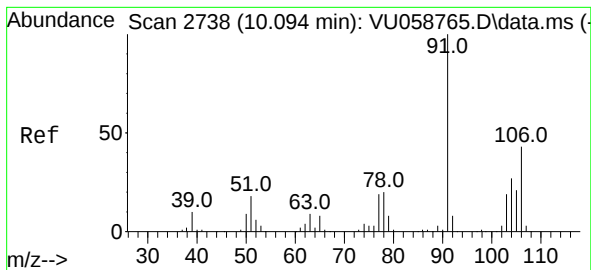
Tgt Ion: 91 Resp: 882657
Ion Ratio Lower Upper
91 100
106 29.4 20.9 38.9



#53
m,p-Xylene
Concen: 21.622 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:106 Resp: 324283
Ion Ratio Lower Upper
106 100
91 216.0 155.1 288.1





#54

o-Xylene

Concen: 21.061 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

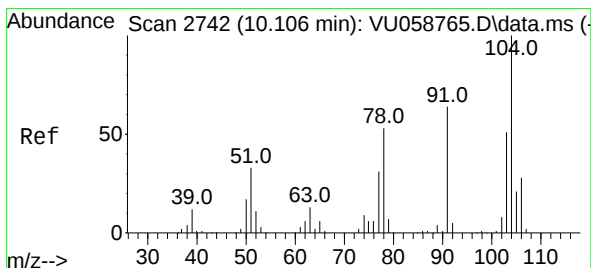
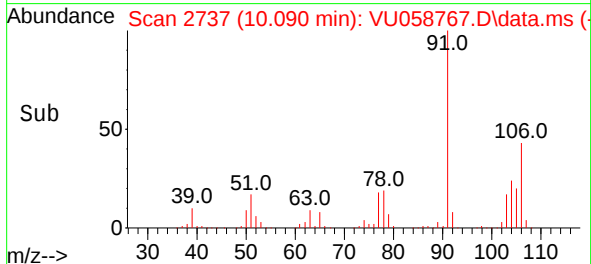
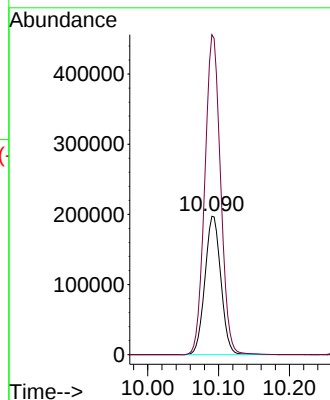
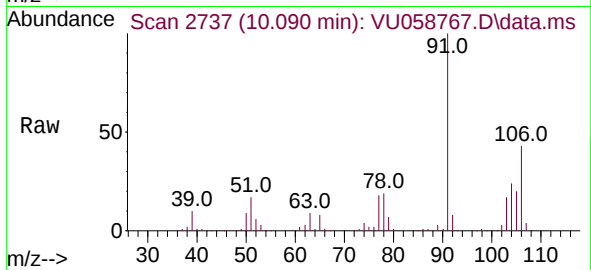
ClientSampleId :

Tgt Ion:106 Resp: 307865

Ion Ratio Lower Upper

106 100

91 231.2 163.7 304.1



#55

Styrene

Concen: 22.017 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU058767.D

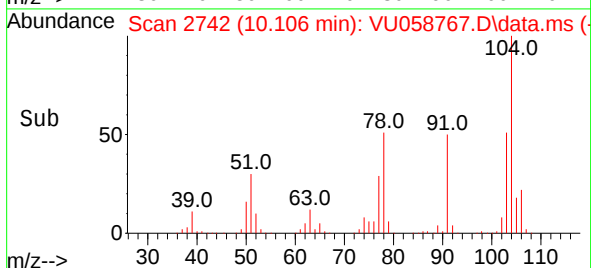
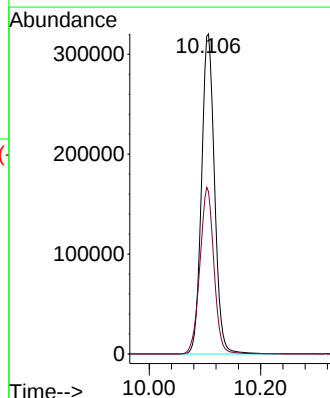
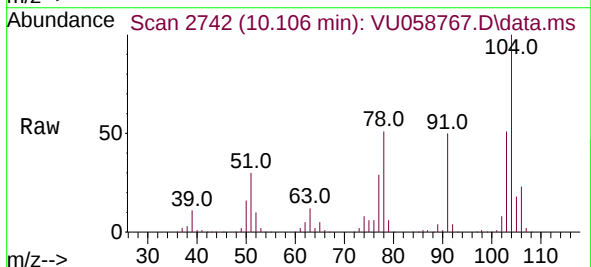
Acq: 22 Apr 2024 13:12

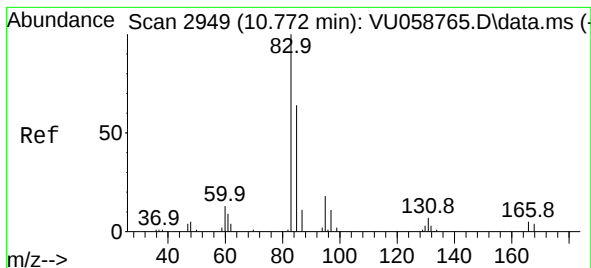
Tgt Ion:104 Resp: 521758

Ion Ratio Lower Upper

104 100

78 50.7 37.1 68.9

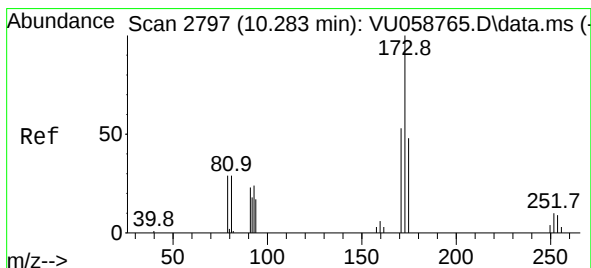
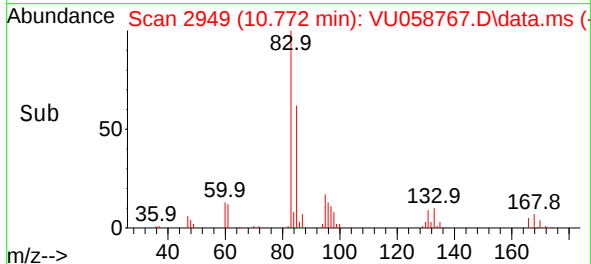
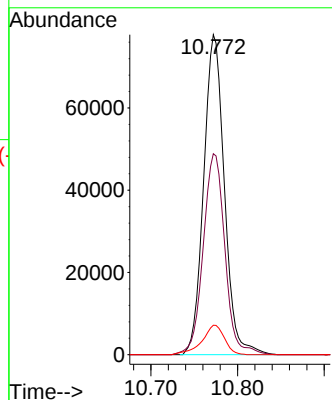
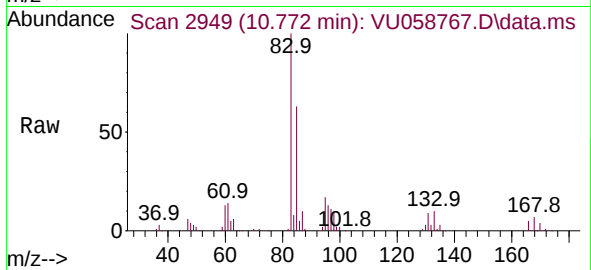




#57
1,1,2,2-Tetrachloroethane
Concen: 18.499 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

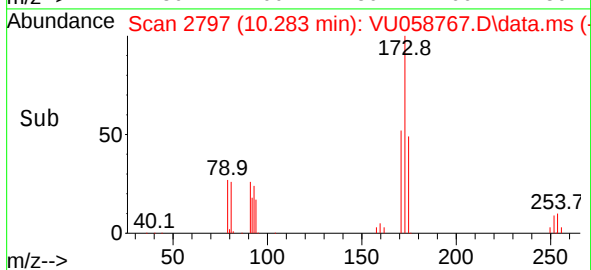
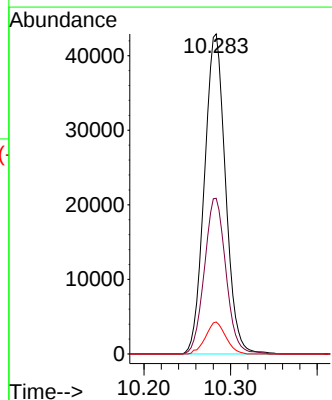
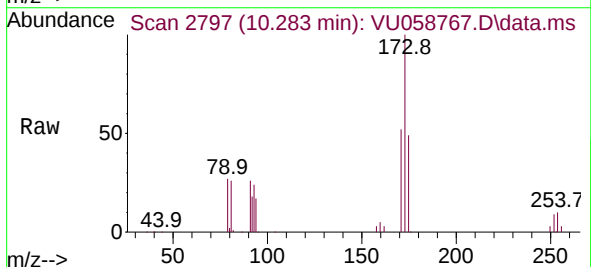
Instrument :
MSVOA_U
ClientSampleId :

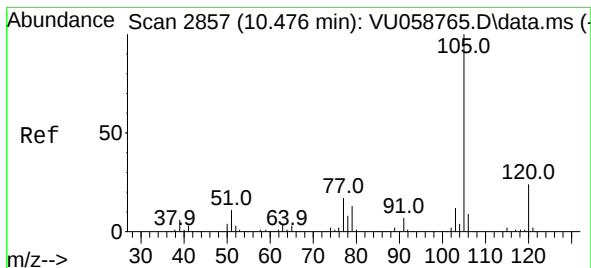
Tgt Ion: 83 Resp: 129449
Ion Ratio Lower Upper
83 100
85 62.8 44.6 82.8
131 9.2 6.7 10.1



#59
Bromoform
Concen: 20.469 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:173 Resp: 72561
Ion Ratio Lower Upper
173 100
175 49.6 39.3 58.9
254 9.6 7.5 11.3





#60

Isopropylbenzene

Concen: 22.102 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

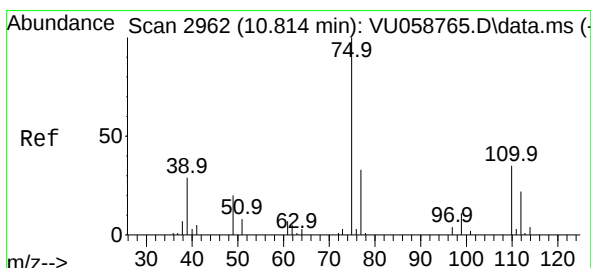
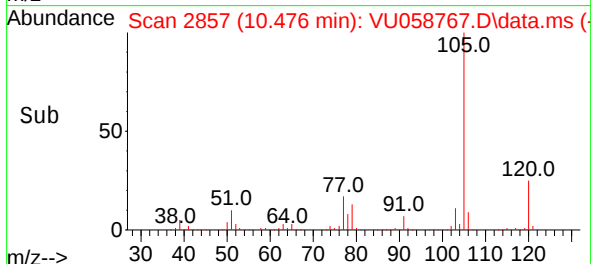
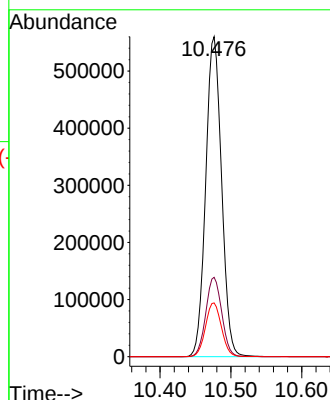
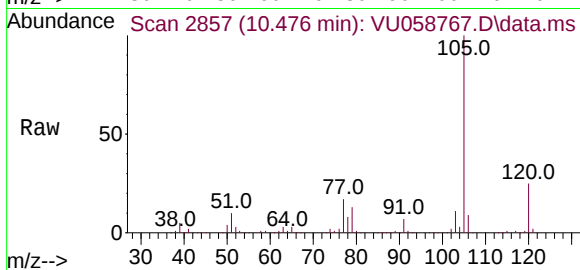
Tgt Ion:105 Resp: 870298

Ion Ratio Lower Upper

105 100

120 25.0 19.6 29.4

77 17.0 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 17.554 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

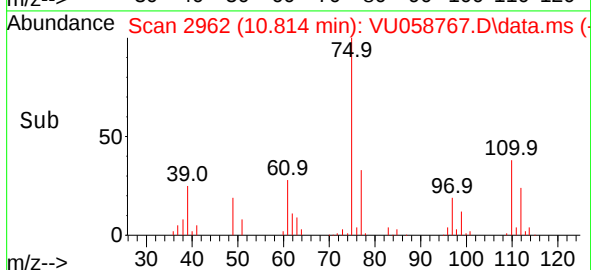
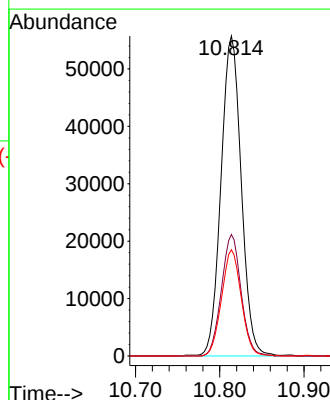
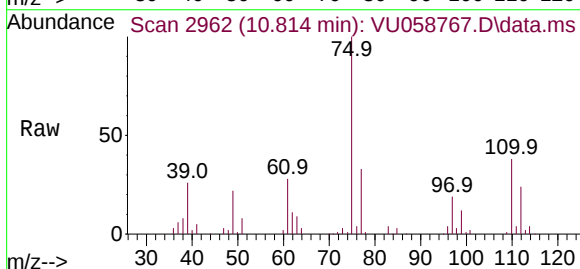
Tgt Ion: 75 Resp: 92752

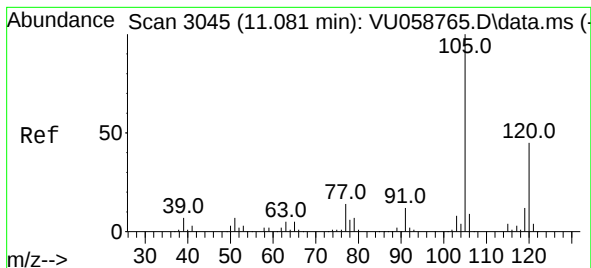
Ion Ratio Lower Upper

75 100

110 36.8 28.6 43.0

77 32.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 23.294 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

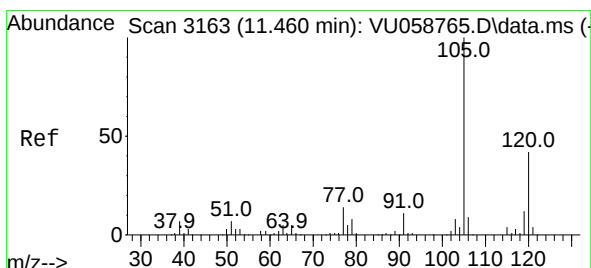
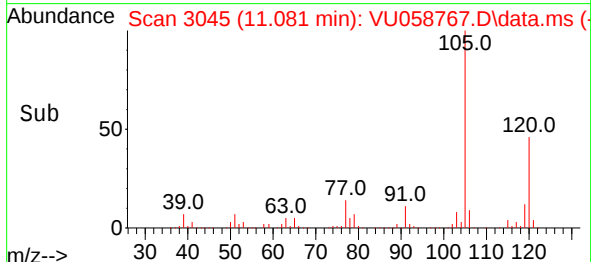
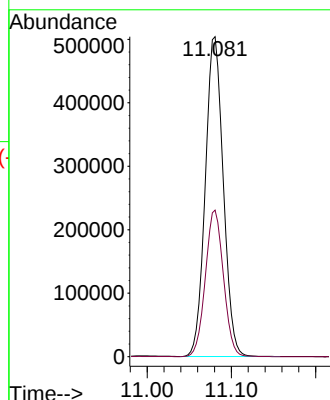
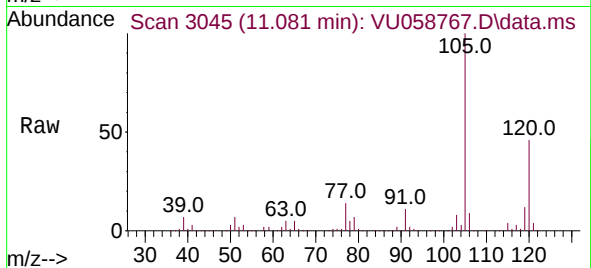
ClientSampleId :

Tgt Ion:105 Resp: 749897

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 22.652 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU058767.D

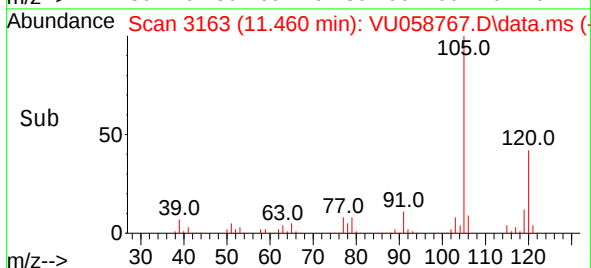
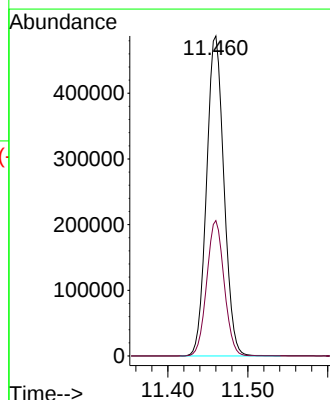
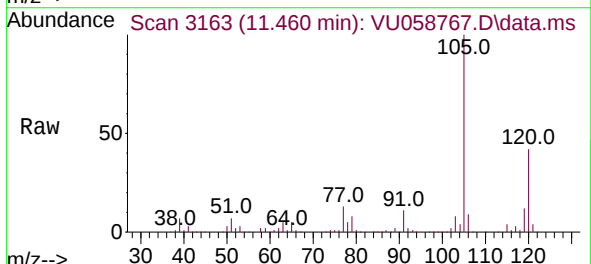
Acq: 22 Apr 2024 13:12

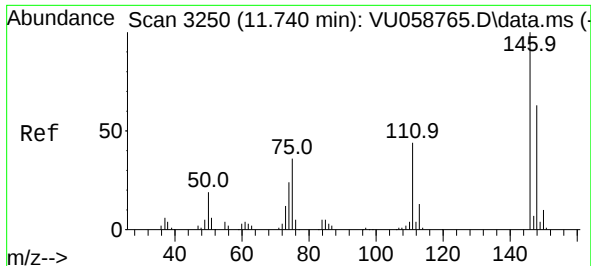
Tgt Ion:105 Resp: 736211

Ion Ratio Lower Upper

105 100

120 42.5 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 19.159 ug/L

RT: 11.737 min Scan# 31

Delta R.T. -0.003 min

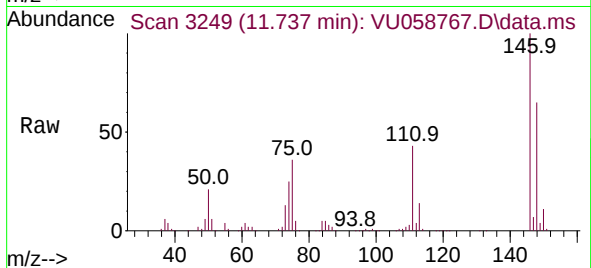
Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :



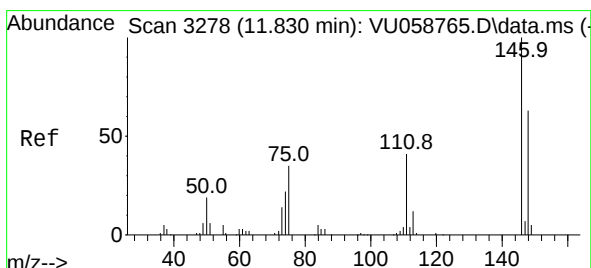
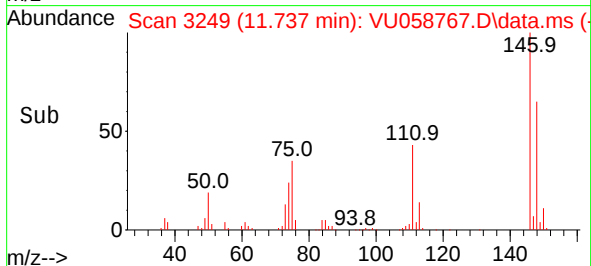
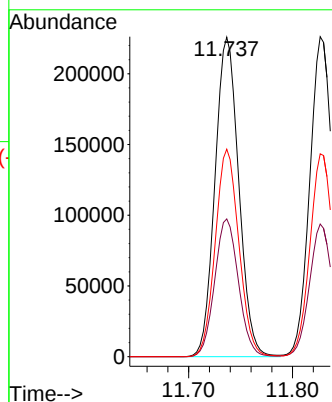
Tgt Ion:146 Resp: 359238

Ion Ratio Lower Upper

146 100

111 43.1 30.9 57.3

148 65.0 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 19.366 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

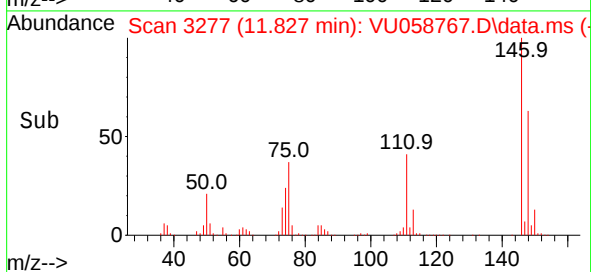
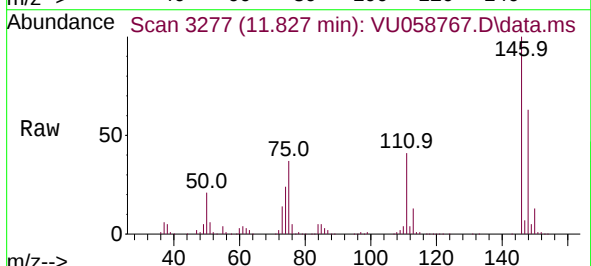
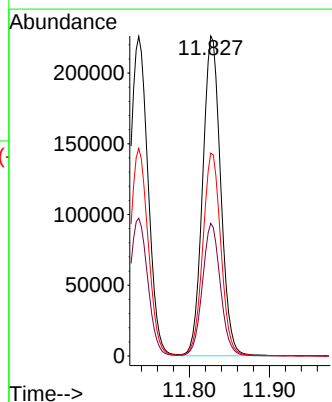
Tgt Ion:146 Resp: 354403

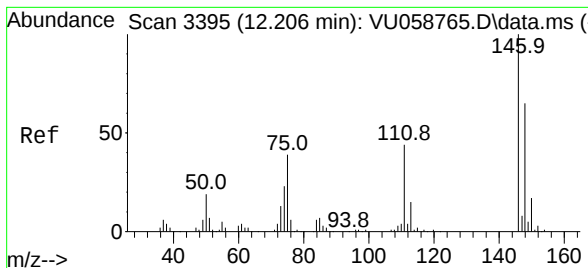
Ion Ratio Lower Upper

146 100

111 41.5 29.3 54.3

148 63.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 18.638 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

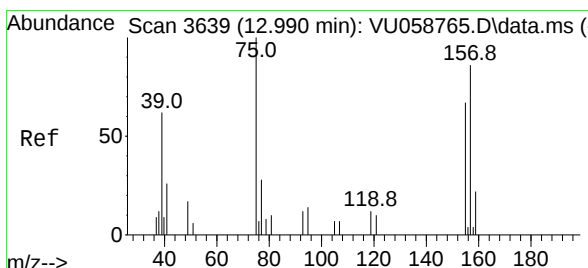
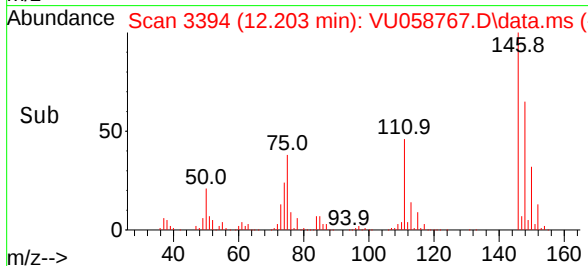
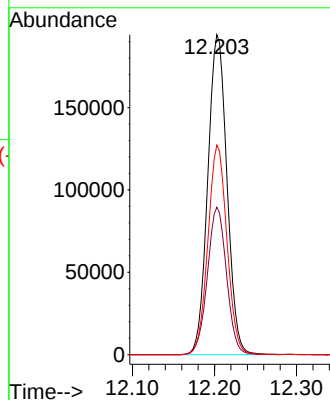
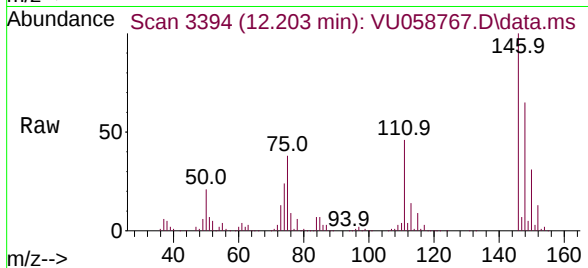
Tgt Ion:146 Resp: 315429

Ion Ratio Lower Upper

146 100

111 46.1 35.7 53.5

148 65.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 22.035 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

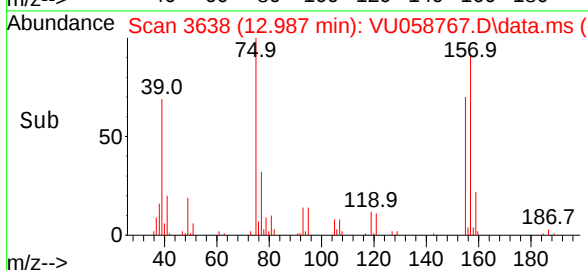
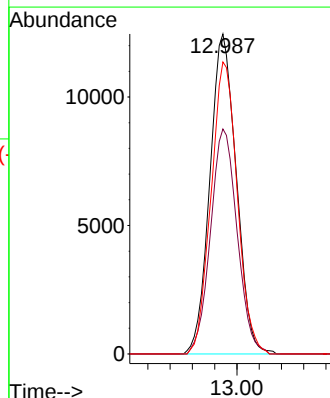
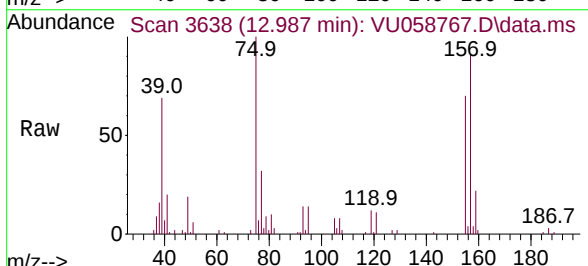
Tgt Ion: 75 Resp: 20492

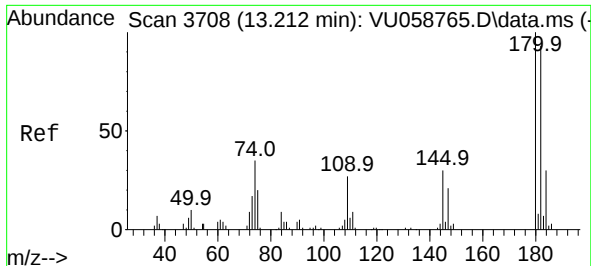
Ion Ratio Lower Upper

75 100

155 70.3 53.6 80.4

157 91.3 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 19.976 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 275963

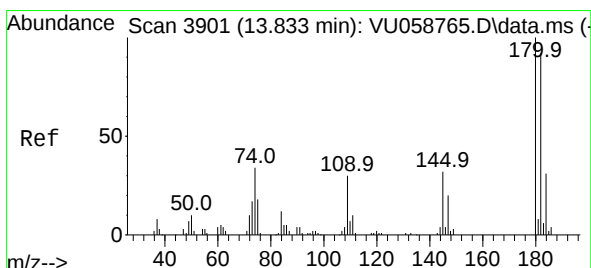
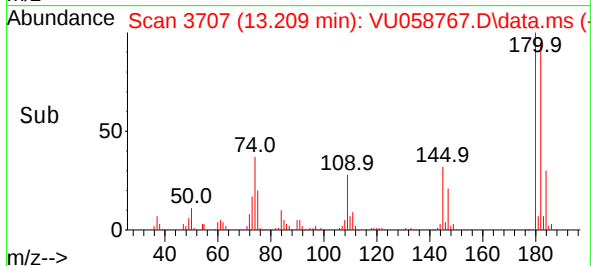
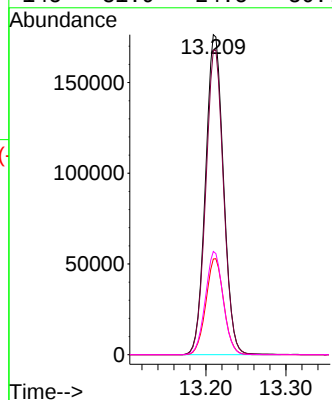
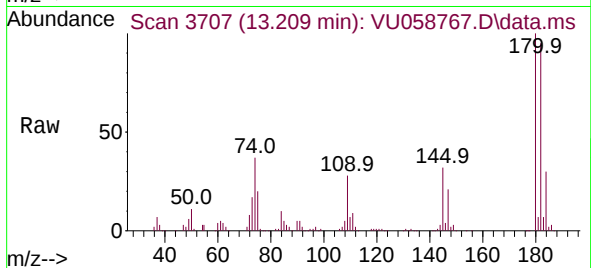
Ion Ratio Lower Upper

180 100

182 94.7 75.9 113.9

184 29.8 24.7 37.1

145 31.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 19.586 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU058767.D

Acq: 22 Apr 2024 13:12

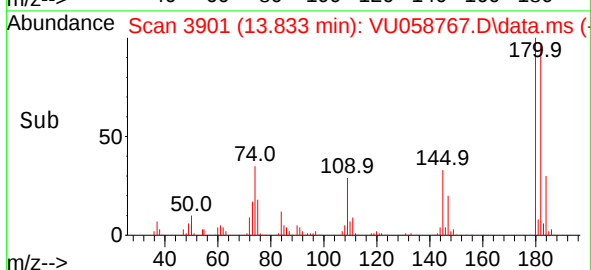
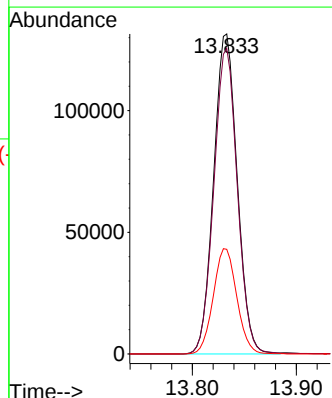
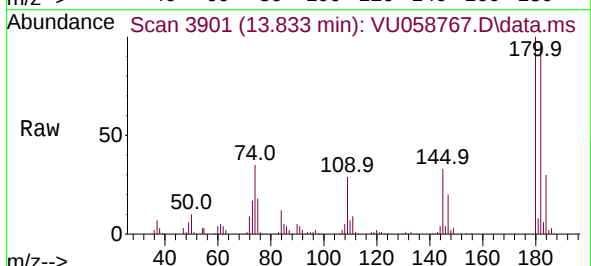
Tgt Ion:180 Resp: 207348

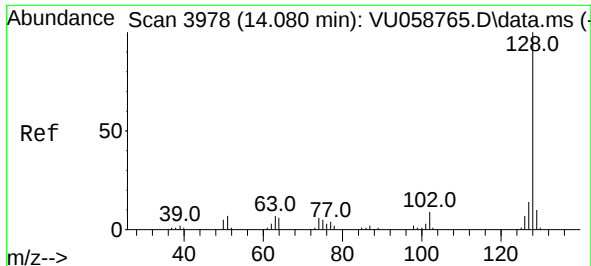
Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

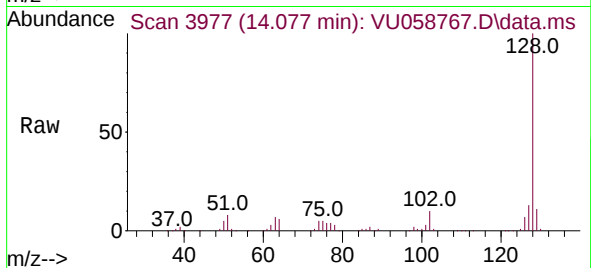
145 32.8 25.7 38.5



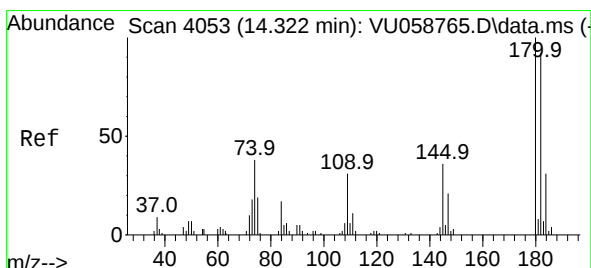
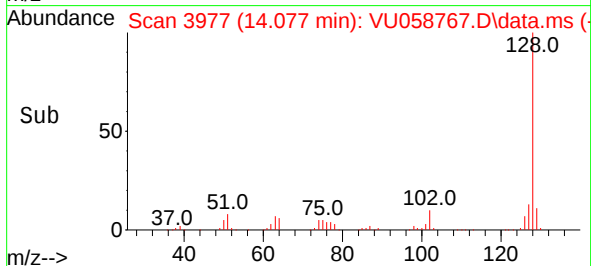
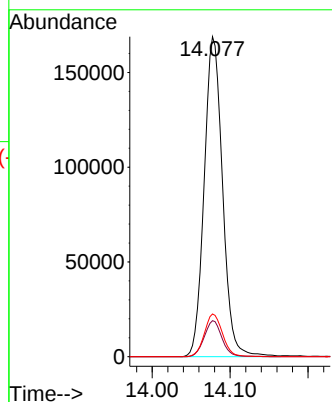


#71
Naphthalene
Concen: 19.240 ug/L
RT: 14.077 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 276620
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 13.2 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 18.886 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU058767.D
Acq: 22 Apr 2024 13:12

Tgt Ion:180 Resp: 164235
Ion Ratio Lower Upper
180 100
182 96.8 75.0 112.6
145 34.2 27.6 41.4

