

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042224\
 Data File : VU058766.D
 Acq On : 22 Apr 2024 12:49
 Operator : MD/SY
 Sample : VSTD010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 23:39:29 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	6.242	114	100373	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	94881	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	47047	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	83072	11.871	ug/L	0.00
7) Chloroethane-d5	1.907	69	62060	10.544	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	42641	13.101	ug/L	0.00
20) 2-Butanone-d5	4.624	46	158163	110.702	ug/L	0.00
24) Chloroform-d	5.052	84	171951	12.217	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.688	65	82993	12.437	ug/L	0.00
32) Benzene-d6	5.717	84	330353	12.231	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	97481	11.654	ug/L	0.00
41) Toluene-d8	7.888	98	296446	12.315	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	36958	13.670	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	114760	110.244	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	59733	10.260	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	90181	10.995	ug/L	0.00

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.377	85	114215	12.633	ug/L	99
3) Chloromethane	1.512	50	88280	8.768	ug/L	99
5) Vinyl chloride	1.595	62	88419	8.783	ug/L	99
6) Bromomethane	1.849	94	54134	10.825	ug/L	94
8) Chloroethane	1.927	64	50499	8.063	ug/L	100
9) Trichlorofluoromethane	2.132	101	140739	10.273	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	84748	10.352	ug/L	99
12) 1,1-Dichloroethene	2.570	96	77608	10.687	ug/L	91
13) Acetone	2.647	43	102552	87.248	ug/L	98
14) Carbon disulfide	2.785	76	259149	11.023	ug/L	99
15) Methyl Acetate	2.949	43	25651	9.298	ug/L	98
16) Methylene chloride	3.033	84	81990	8.808	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	179838	10.545	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	79999	10.597	ug/L	98
19) 1,1-Dichloroethane	3.856	63	164666	10.015	ug/L	99
21) 2-Butanone	4.705	43	163091	92.761	ug/L	96
22) cis-1,2-Dichloroethene	4.653	96	86814	10.309	ug/L	99
23) Bromochloromethane	4.962	128	32962	9.926	ug/L	97
25) Chloroform	5.074	83	166828	10.387	ug/L	95
27) 1,2-Dichloroethane	5.782	62	102104	10.484	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	150220	11.327	ug/L	99
30) Cyclohexane	5.377	56	145706	10.641	ug/L	98
31) Carbon tetrachloride	5.515	117	134085	11.836	ug/L	98
33) Benzene	5.762	78	354810	10.221	ug/L	100
34) Trichloroethene	6.534	95	93649	10.548	ug/L	99
35) Methylcyclohexane	6.753	83	148658	11.149	ug/L	100
37) 1,2-Dichloropropane	6.778	63	89980	9.921	ug/L	100
38) Bromodichloromethane	7.097	83	112311	10.634	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	130731	11.049	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	422853	99.704	ug/L	100
42) Toluene	7.962	91	374902	10.297	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	102302	11.037	ug/L	99

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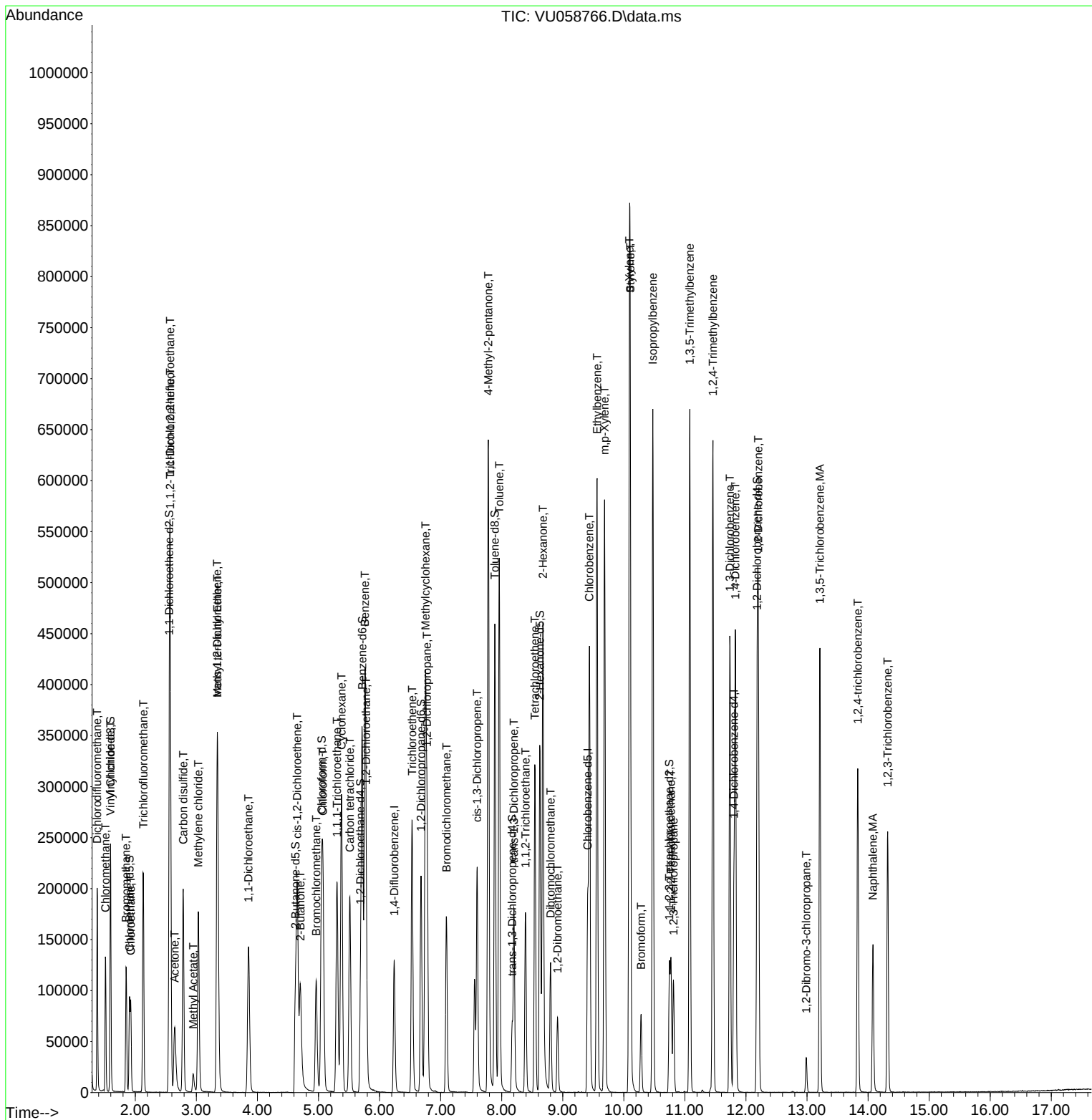
Instrument :
 MSVOA_U
 ClientSampleId :

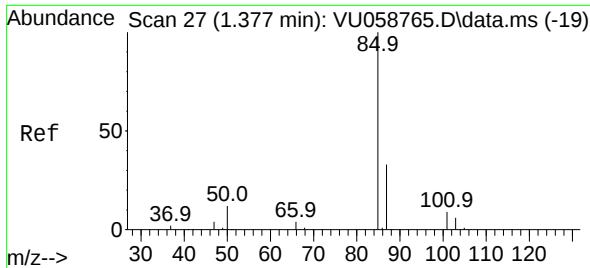
Quant Time: Apr 22 23:39:29 2024
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 22 23:37:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	54388	10.219	ug/L	96
47) Tetrachloroethene	8.544	164	66801	10.332	ug/L	97
48) 2-Hexanone	8.675	43	300441	100.177	ug/L	99
49) Dibromochloromethane	8.801	129	63462	10.301	ug/L	97
50) 1,2-Dibromoethane	8.913	107	48611	9.971	ug/L	93
51) Chlorobenzene	9.438	112	220176	10.018	ug/L	97
52) Ethylbenzene	9.563	91	416578	10.727	ug/L	99
53) m,p-Xylene	9.685	106	153985	11.085	ug/L	98
54) o-Xylene	10.093	106	147866	10.921	ug/L	98
55) Styrene	10.106	104	246054	11.210	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	61830	9.539	ug/L	99
59) Bromoform	10.283	173	34516	10.881	ug/L	98
60) Isopropylbenzene	10.476	105	411182	11.670	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	45048	9.528	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	348035	12.082	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	341744	11.751	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	173377	10.333	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	168225	10.273	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	149063	9.843	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	9333	11.215	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	126970	10.271	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	93058	9.823	ug/L	99
71) Naphthalene	14.080	128	114696	8.915	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	73107	9.395	ug/L	98

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

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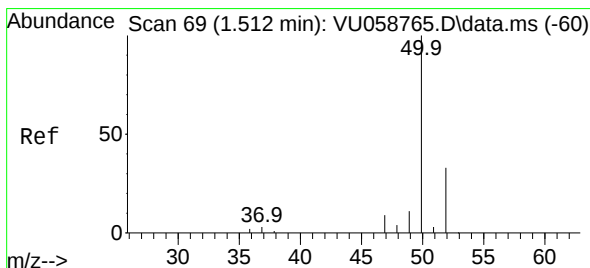
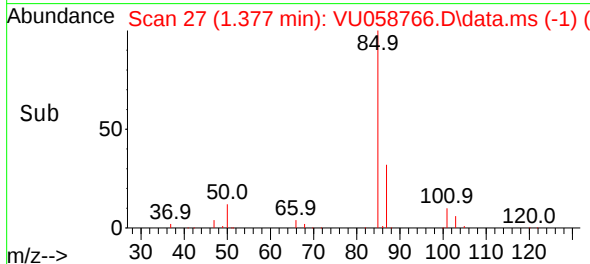
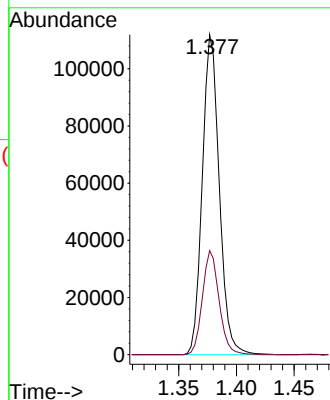
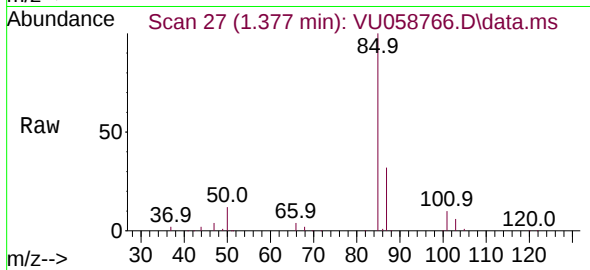




#2
 Dichlorodifluoromethane
 Concen: 12.633 ug/L
 RT: 1.377 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

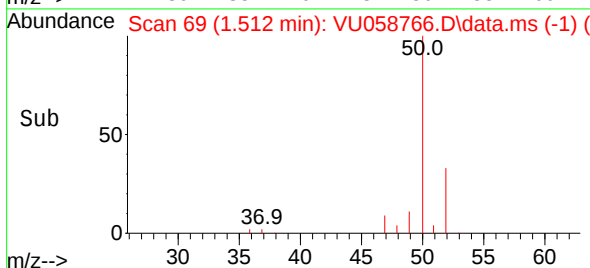
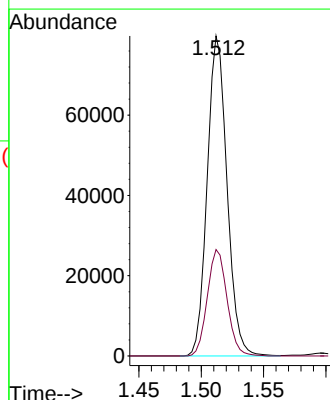
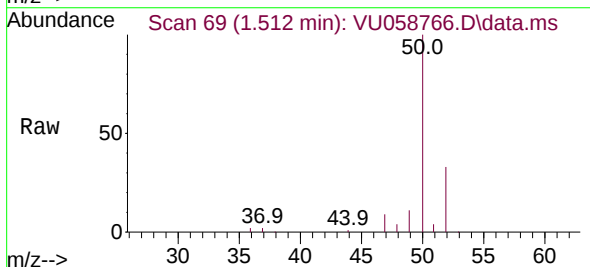
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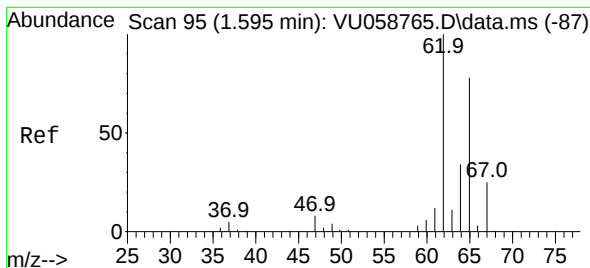
Tgt Ion: 85 Resp: 114215
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.0 39.0



#3
 Chloromethane
 Concen: 8.768 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

Tgt Ion: 50 Resp: 88280
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.0 42.8





#5

Vinyl chloride

Concen: 8.783 ug/L

RT: 1.595 min Scan# 95

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

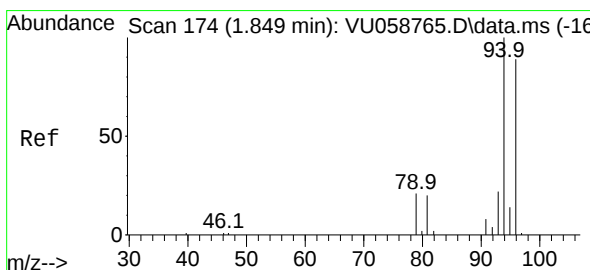
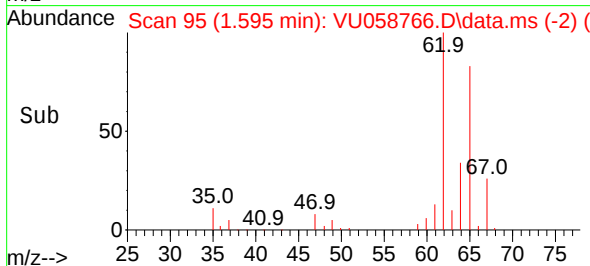
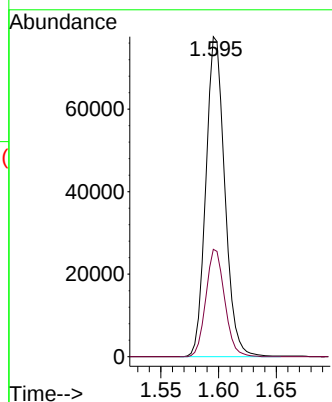
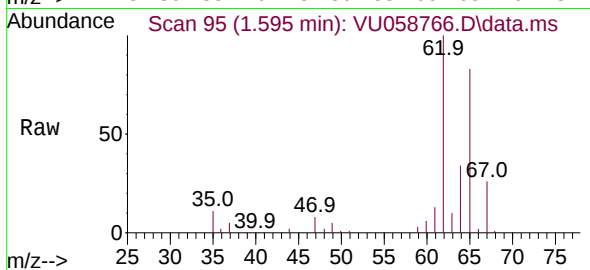
ClientSampleId :

Tgt Ion: 62 Resp: 88419

Ion Ratio Lower Upper

62 100

64 33.5 23.8 44.2



#6

Bromomethane

Concen: 10.825 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.000 min

Lab File: VU058766.D

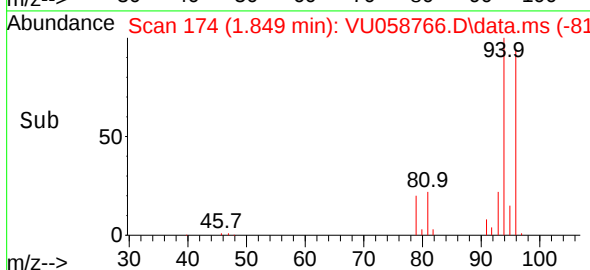
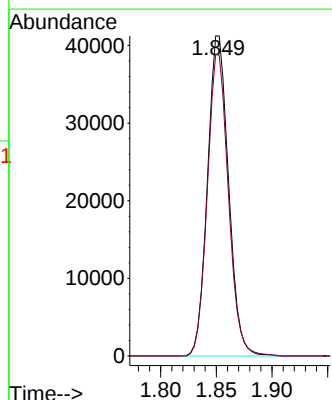
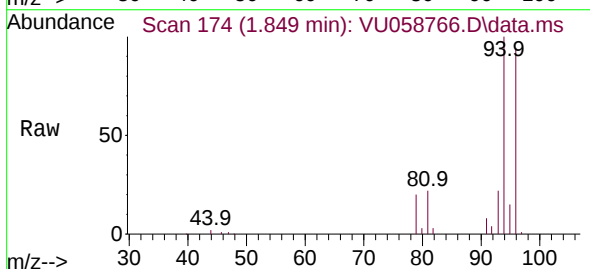
Acq: 22 Apr 2024 12:49

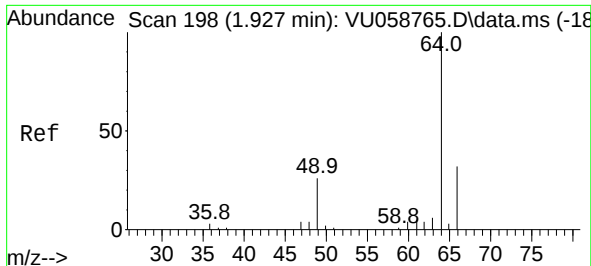
Tgt Ion: 94 Resp: 54134

Ion Ratio Lower Upper

94 100

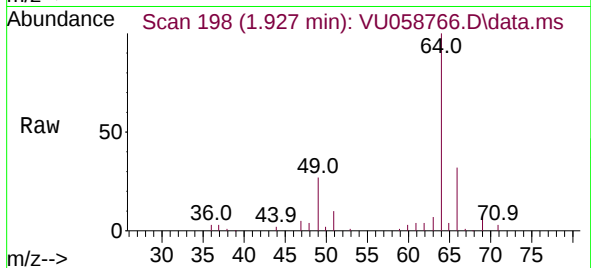
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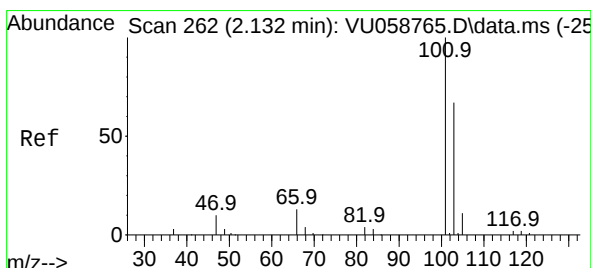
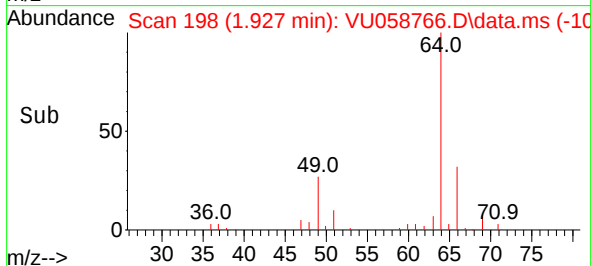
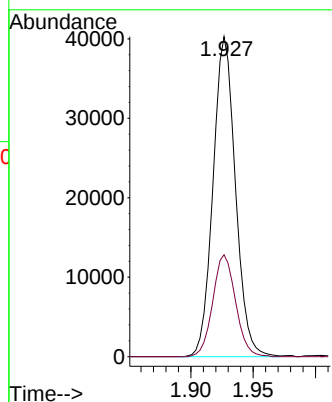


#8
Chloroethane
Concen: 8.063 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Instrument :
MSVOA_U
ClientSampleId :

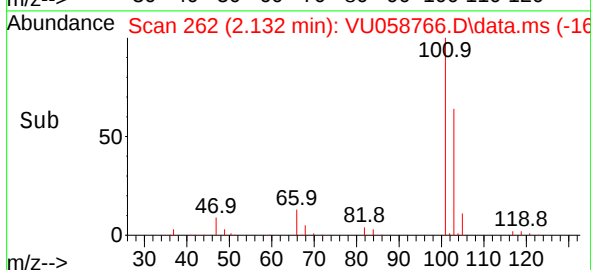
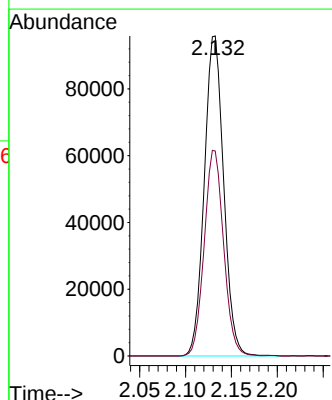
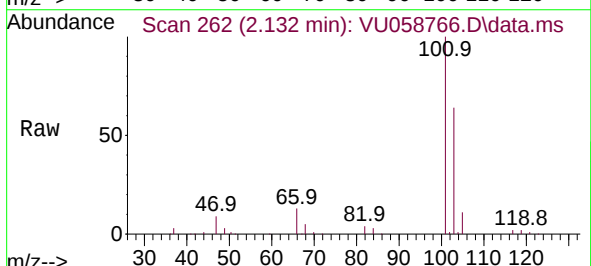


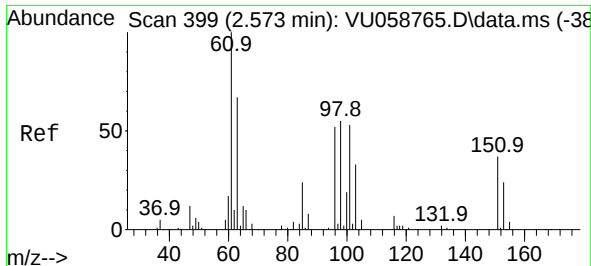
Tgt Ion: 64 Resp: 50499
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 10.273 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion:101 Resp: 140739
Ion Ratio Lower Upper
101 100
103 64.3 52.6 78.8

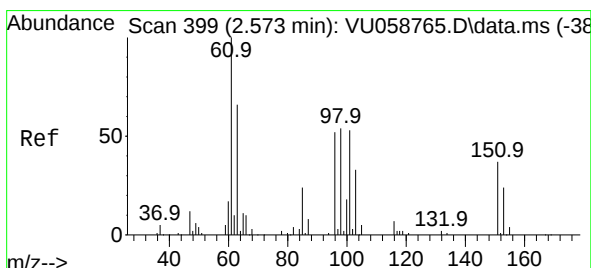
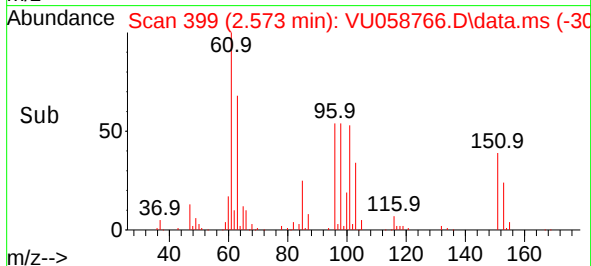
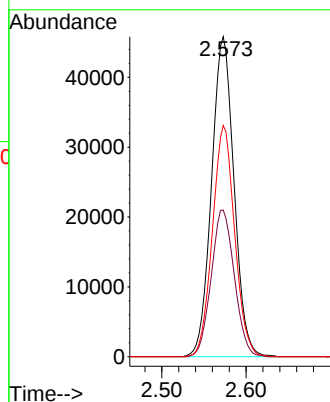
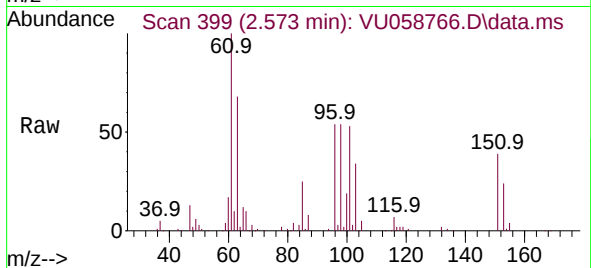




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.352 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

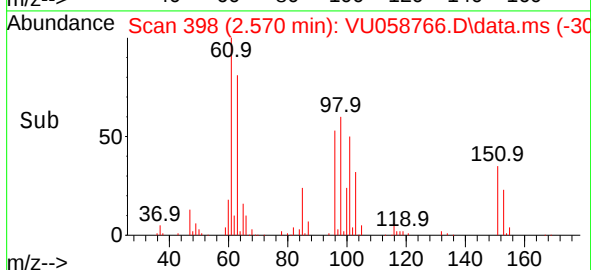
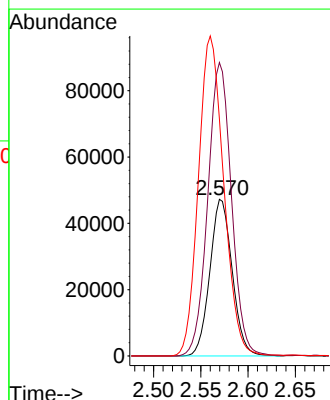
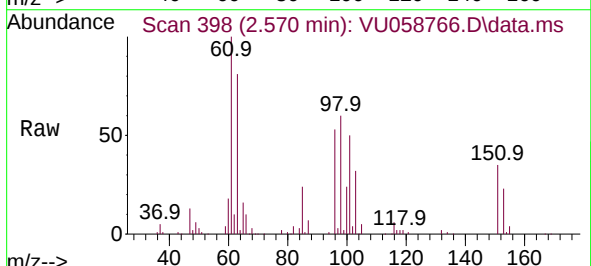
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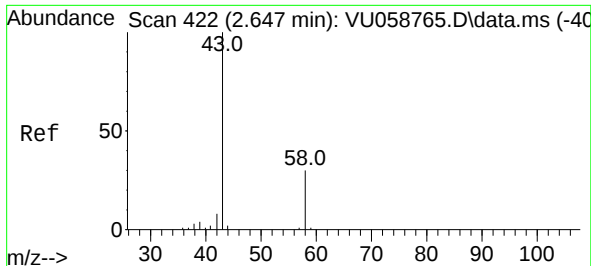
Tgt Ion:101 Resp: 84748
 Ion Ratio Lower Upper
 101 100
 85 47.1 36.7 55.1
 151 71.4 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 10.687 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

Tgt Ion: 96 Resp: 77608
 Ion Ratio Lower Upper
 96 100
 61 187.4 135.3 251.3
 63 151.4 91.9 170.7





#13

Acetone

Concen: 87.248 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

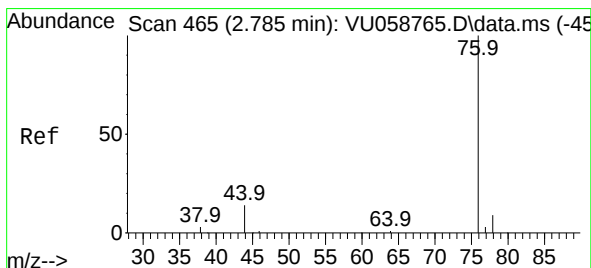
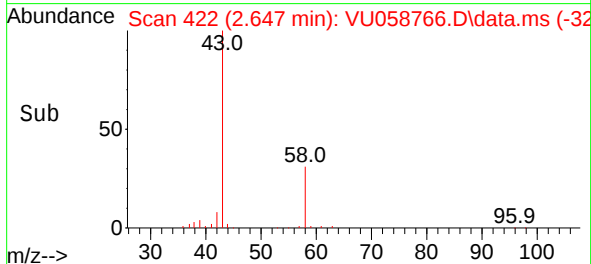
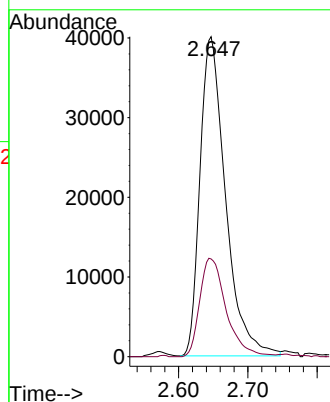
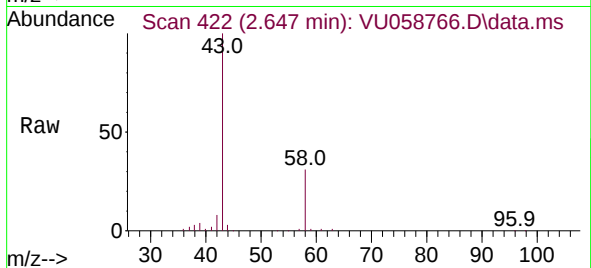
ClientSampleId :

Tgt Ion: 43 Resp: 102552

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.2



#14

Carbon disulfide

Concen: 11.023 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU058766.D

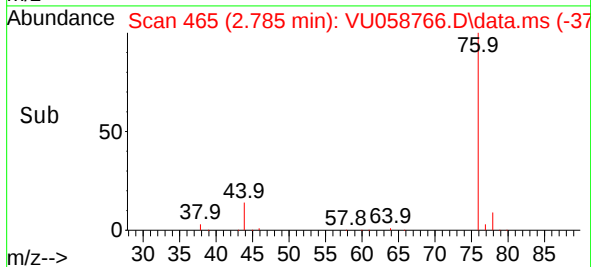
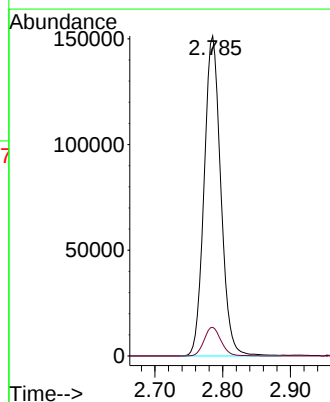
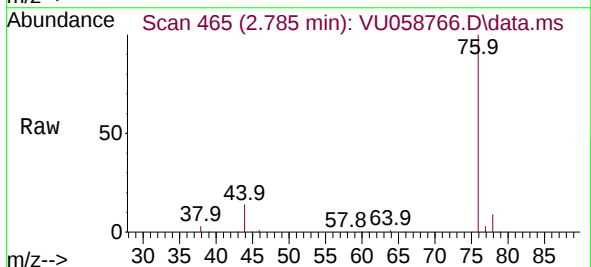
Acq: 22 Apr 2024 12:49

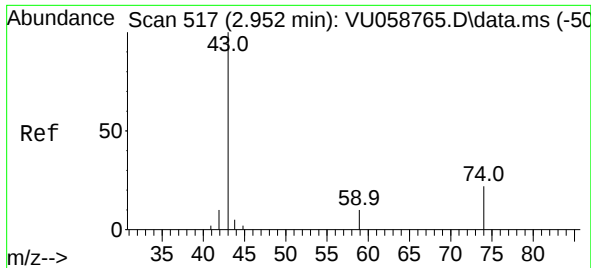
Tgt Ion: 76 Resp: 259149

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

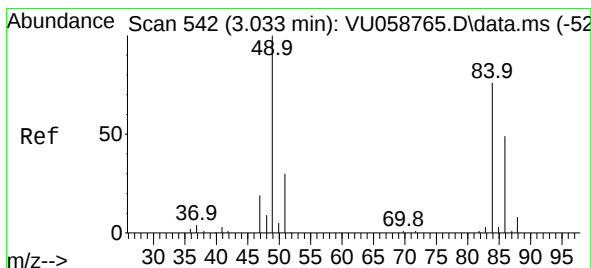
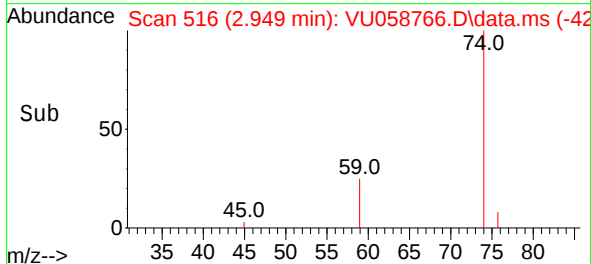
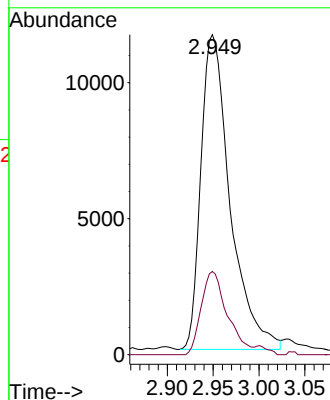
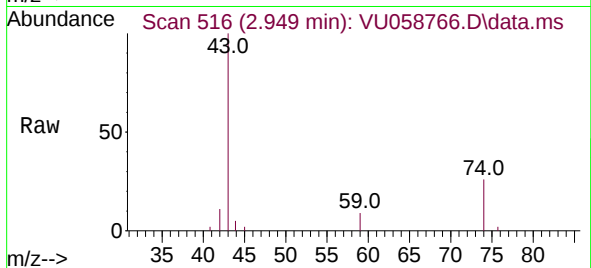




#15
Methyl Acetate
Concen: 9.298 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

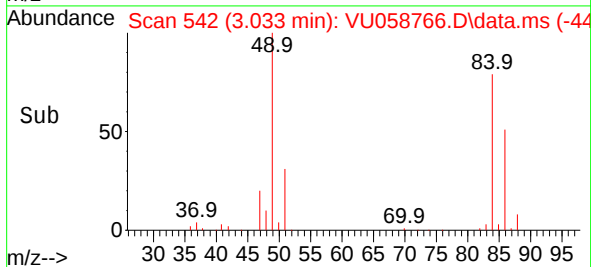
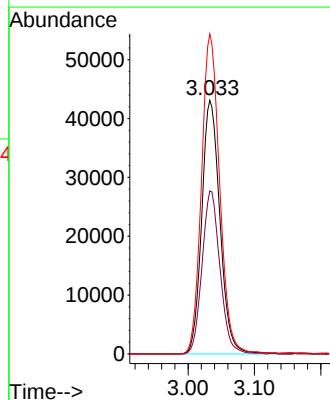
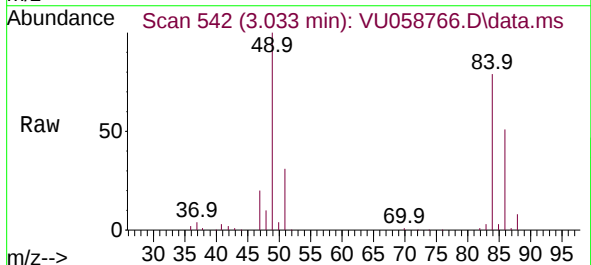
Instrument :
MSVOA_U
ClientSampleId :

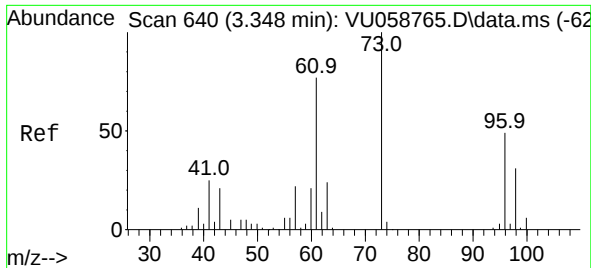
Tgt Ion: 43 Resp: 25651
Ion Ratio Lower Upper
43 100
74 23.6 18.2 27.4



#16
Methylene chloride
Concen: 8.808 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion: 84 Resp: 81990
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 126.2 91.6 170.2

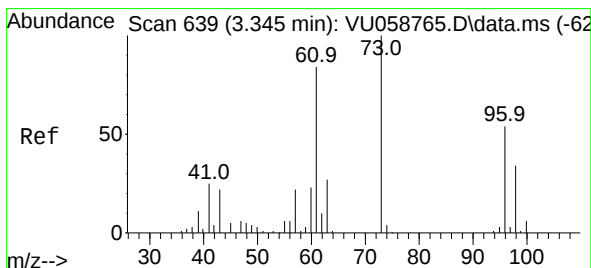
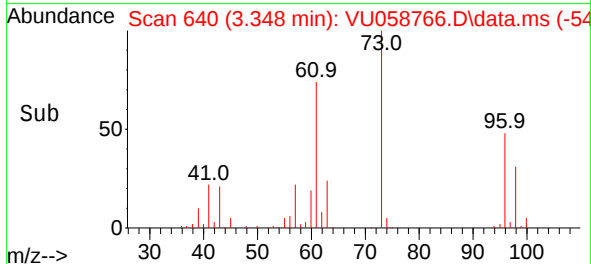
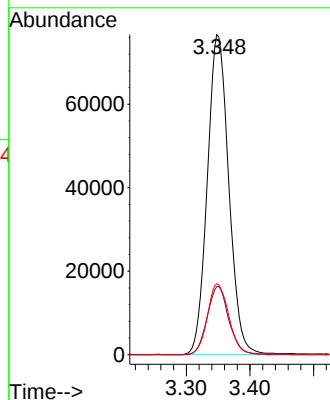
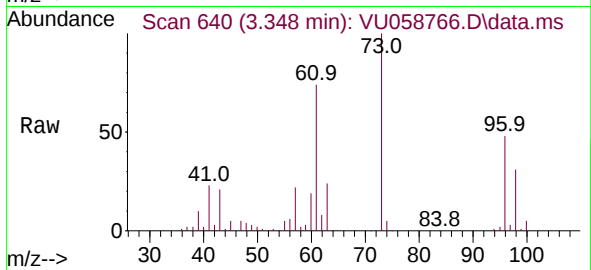




#17
Methyl tert-butyl Ether
Concen: 10.545 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

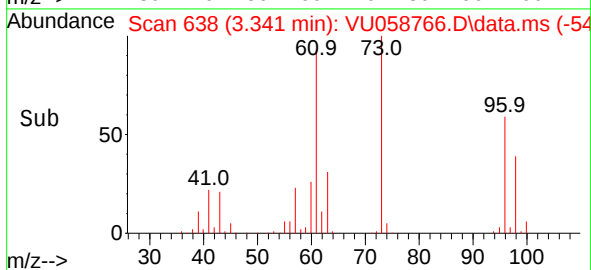
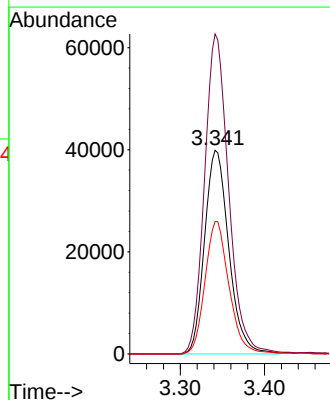
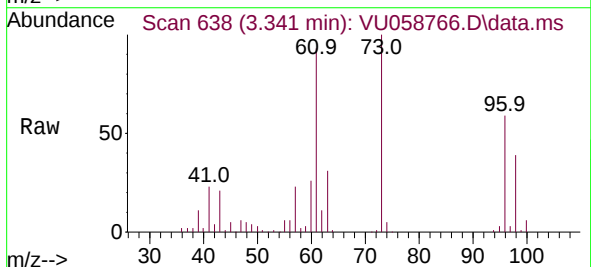
Instrument :
MSVOA_U
ClientSampleId :

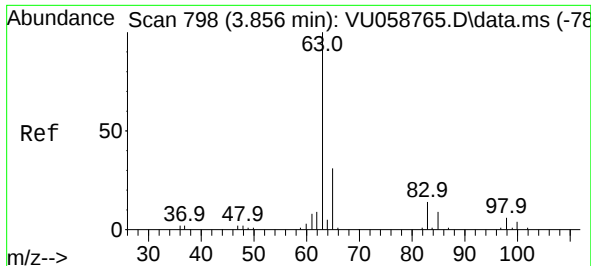
Tgt Ion: 73 Resp: 179838
Ion Ratio Lower Upper
73 100
43 21.4 17.7 26.5
57 22.0 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 10.597 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

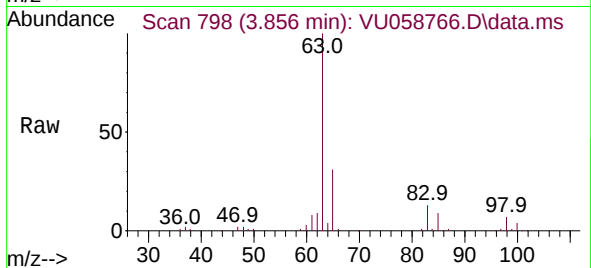
Tgt Ion: 96 Resp: 79999
Ion Ratio Lower Upper
96 100
61 157.1 108.6 201.8
98 65.0 44.4 82.4



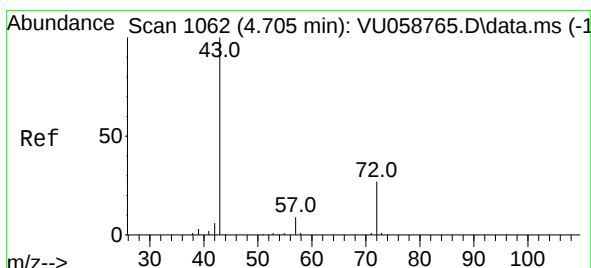
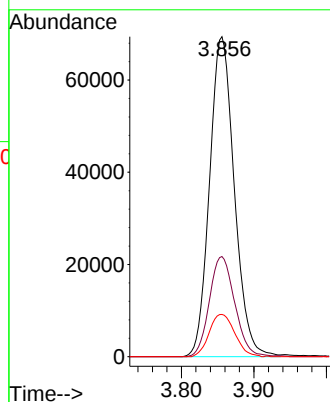
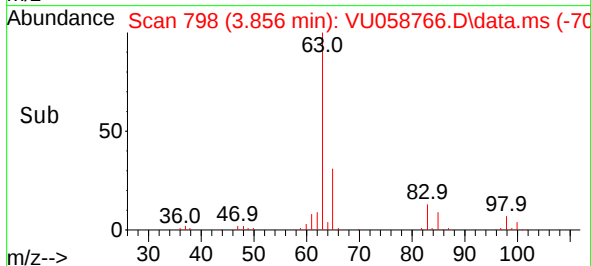


#19
1,1-Dichloroethane
Concen: 10.015 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Instrument :
MSVOA_U
ClientSampleId :

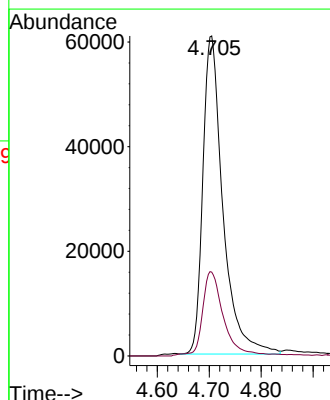
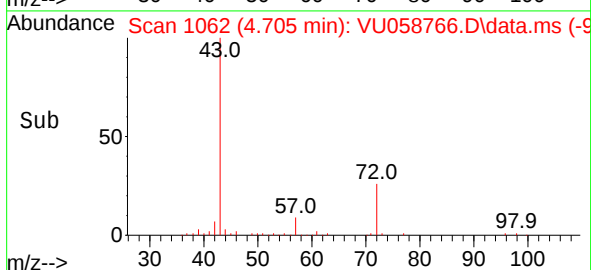
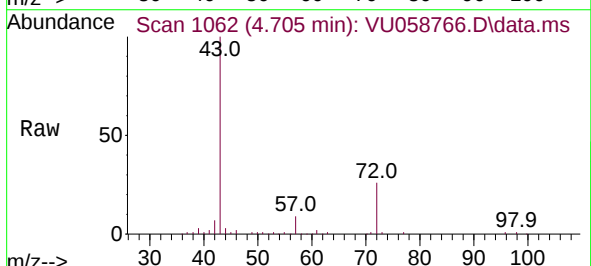


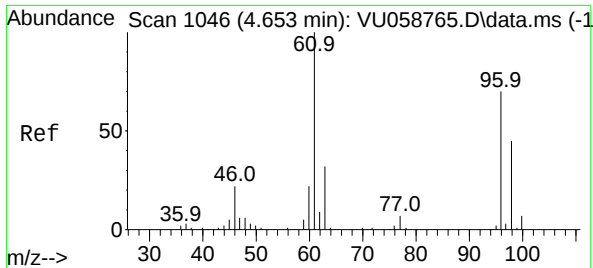
Tgt Ion: 63 Resp: 164666
Ion Ratio Lower Upper
63 100
65 31.3 21.6 40.2
83 13.2 9.5 17.7



#21
2-Butanone
Concen: 92.761 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion: 43 Resp: 163091
Ion Ratio Lower Upper
43 100
72 27.6 12.8 38.4





#22

cis-1,2-Dichloroethene

Concen: 10.309 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

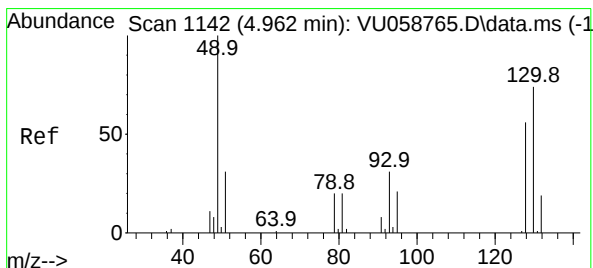
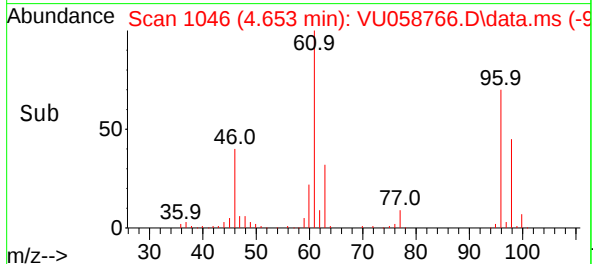
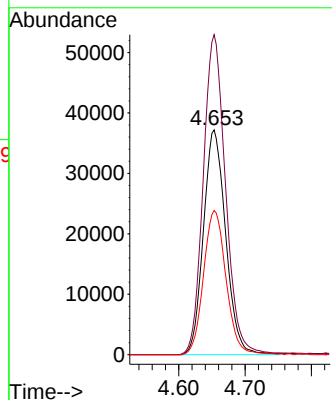
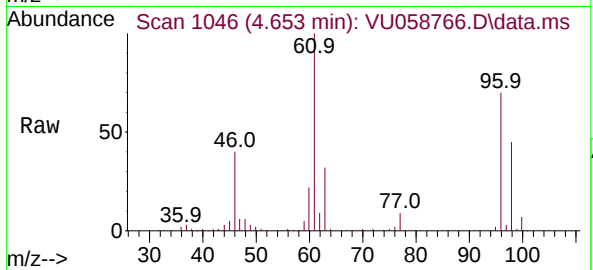
Tgt Ion: 96 Resp: 86814

Ion Ratio Lower Upper

96 100

61 142.3 100.4 186.4

98 64.2 45.1 83.7



#23

Bromochloromethane

Concen: 9.926 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Tgt Ion: 128 Resp: 32962

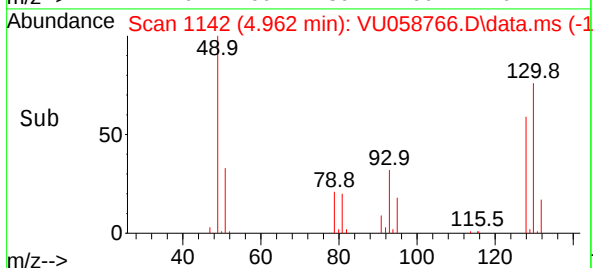
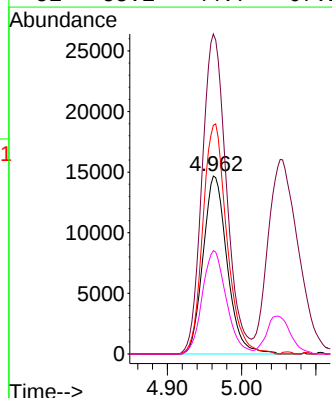
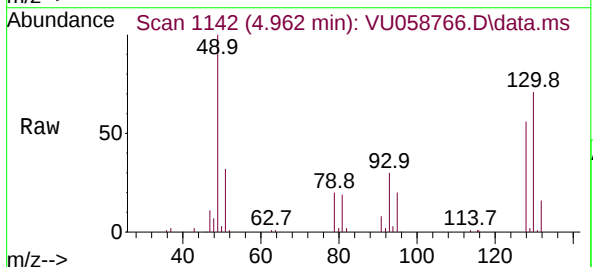
Ion Ratio Lower Upper

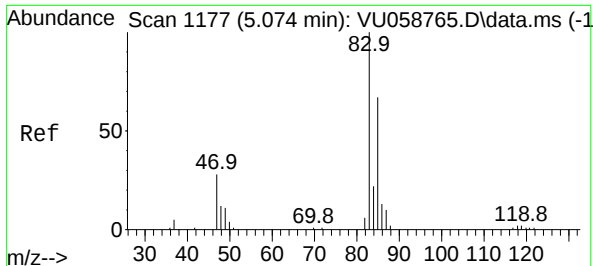
128 100

49 179.9 129.1 239.7

130 128.6 92.1 171.1

51 58.1 44.7 67.1





#25

Chloroform

Concen: 10.387 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

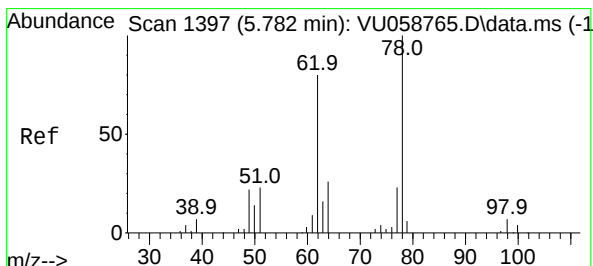
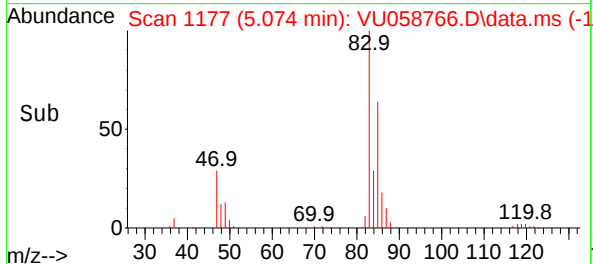
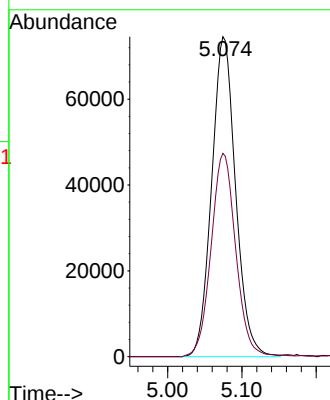
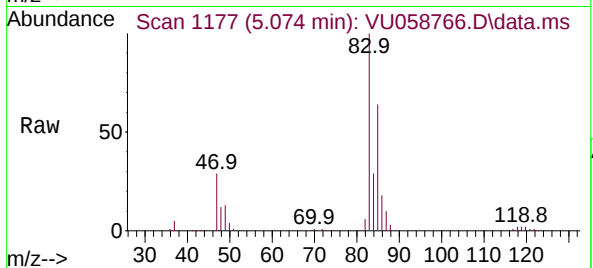
ClientSampleId :

Tgt Ion: 83 Resp: 166828

Ion Ratio Lower Upper

83 100

85 63.6 47.0 87.4



#27

1,2-Dichloroethane

Concen: 10.484 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU058766.D

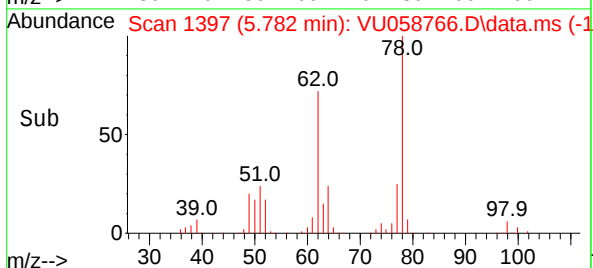
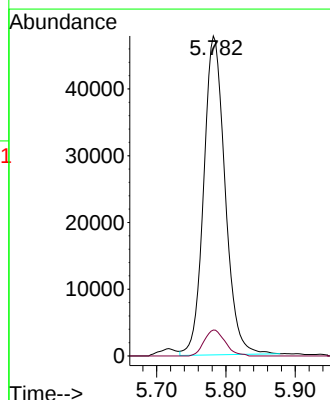
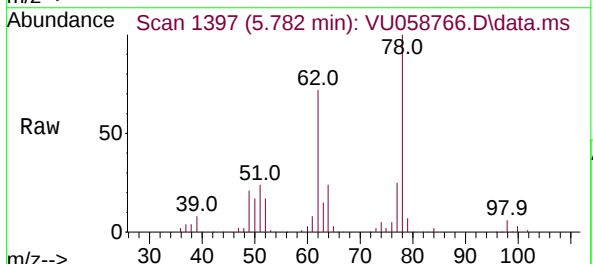
Acq: 22 Apr 2024 12:49

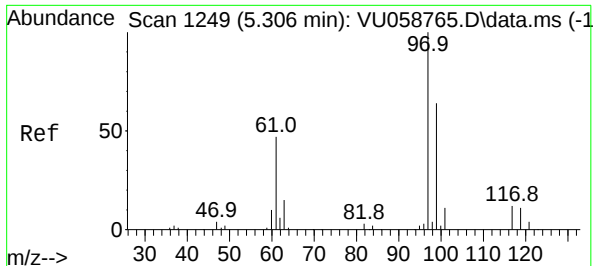
Tgt Ion: 62 Resp: 102104

Ion Ratio Lower Upper

62 100

98 8.1 6.7 10.1

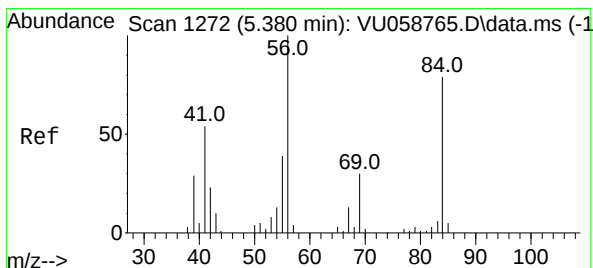
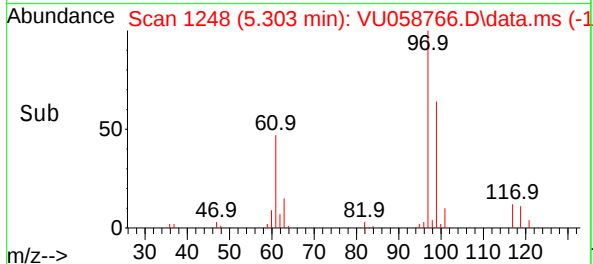
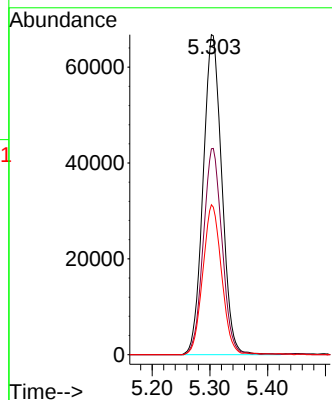
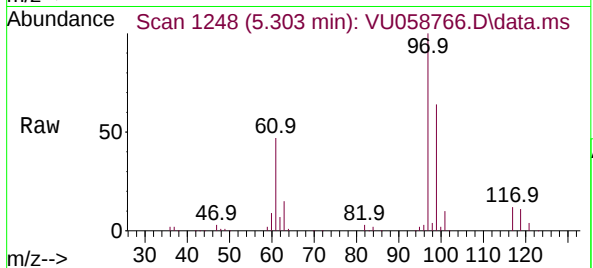




#29
1,1,1-Trichloroethane
Concen: 11.327 ug/L
RT: 5.303 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

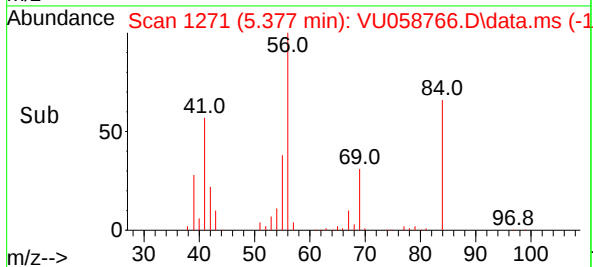
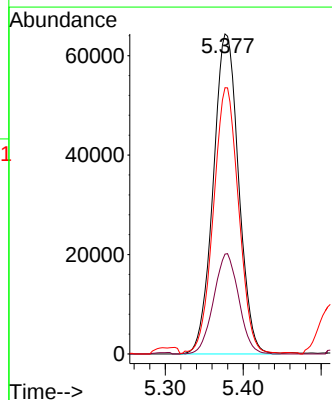
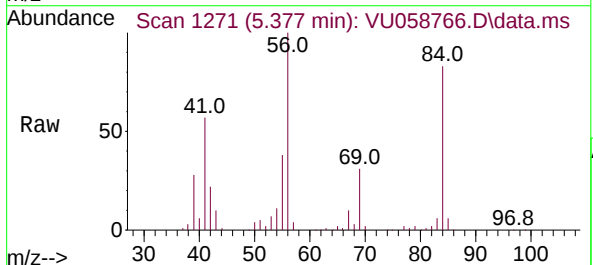
Instrument :
MSVOA_U
ClientSampleId :

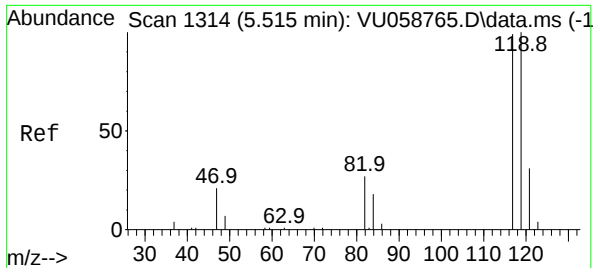
Tgt Ion: 97 Resp: 150220
Ion Ratio Lower Upper
97 100
99 64.5 50.5 75.7
61 46.7 37.3 55.9



#30
Cyclohexane
Concen: 10.641 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion: 56 Resp: 145706
Ion Ratio Lower Upper
56 100
69 31.0 23.7 35.5
84 82.2 64.2 96.4

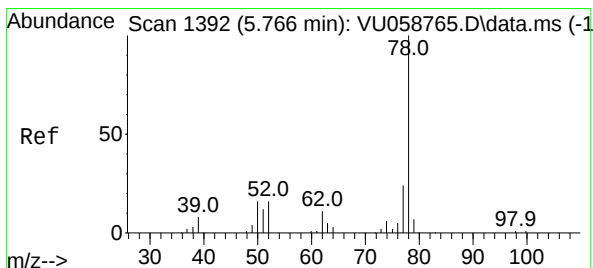
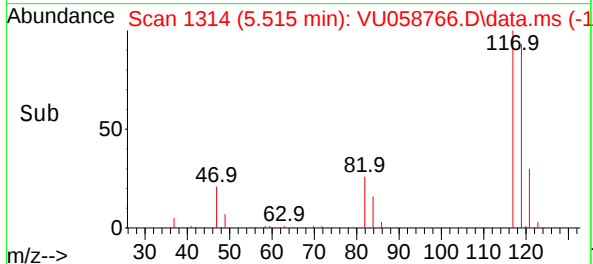
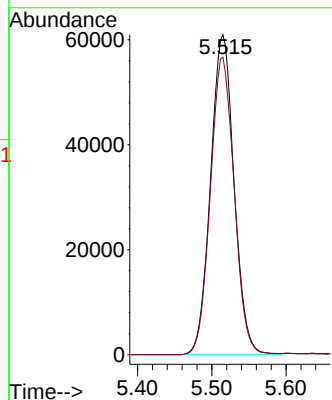
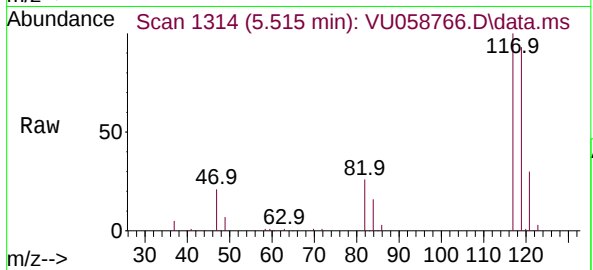




#31
Carbon tetrachloride
Concen: 11.836 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

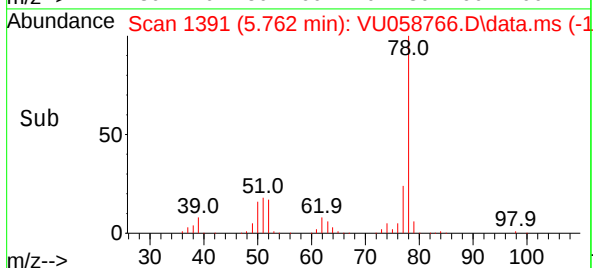
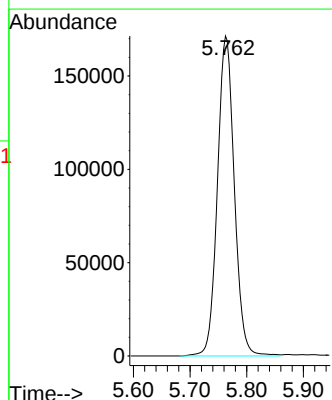
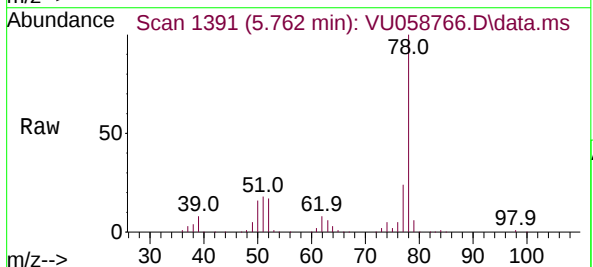
Instrument :
MSVOA_U
ClientSampleId :

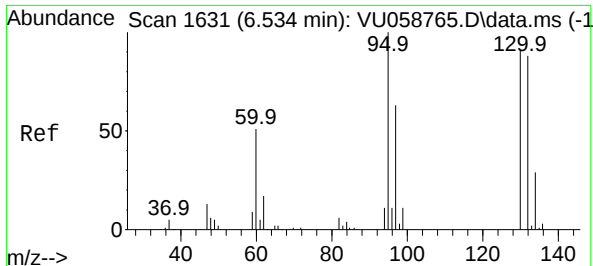
Tgt Ion:117 Resp: 134085
Ion Ratio Lower Upper
117 100
119 93.9 77.0 115.4



#33
Benzene
Concen: 10.221 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion: 78 Resp: 354810





#34

Trichloroethene

Concen: 10.548 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 93649

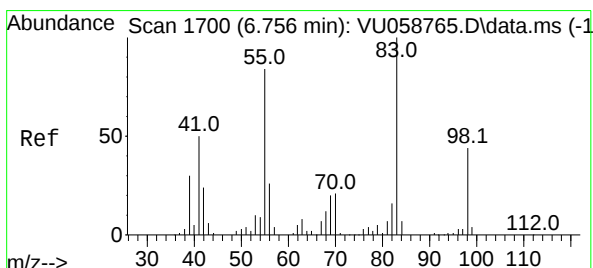
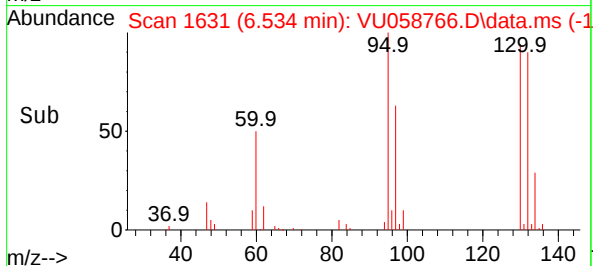
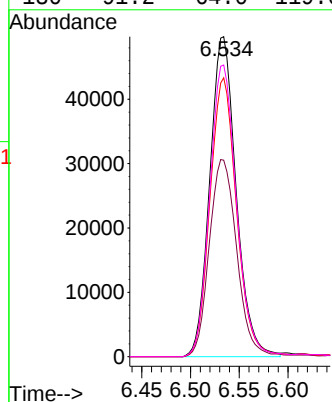
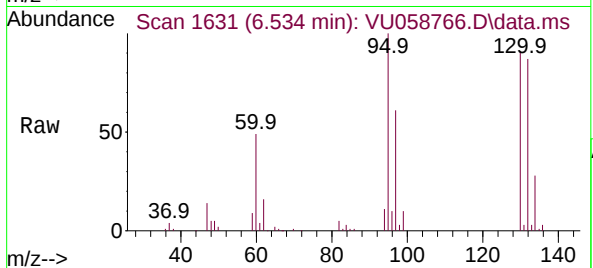
Ion Ratio Lower Upper

95 100

97 61.4 44.4 82.4

132 87.2 61.6 114.4

130 91.2 64.0 119.0



#35

Methylcyclohexane

Concen: 11.149 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

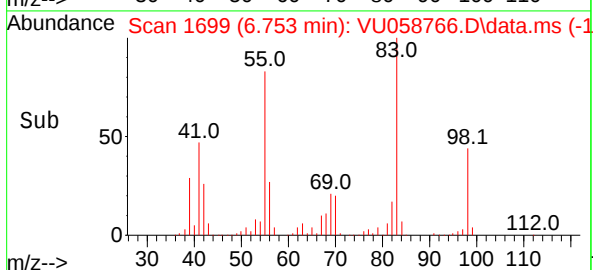
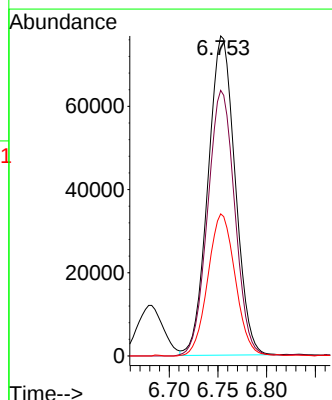
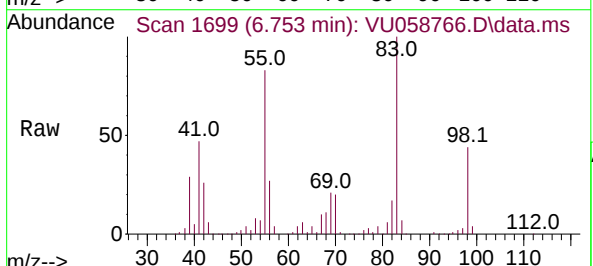
Tgt Ion: 83 Resp: 148658

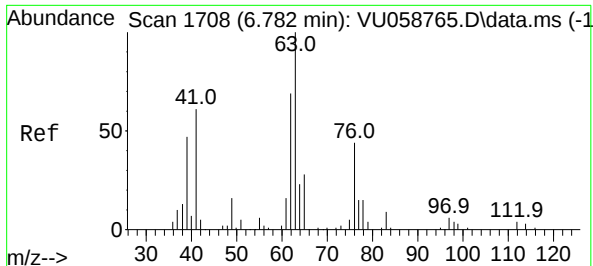
Ion Ratio Lower Upper

83 100

55 83.3 66.6 100.0

98 44.9 35.4 53.2

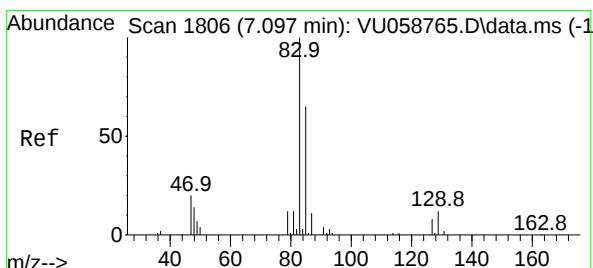
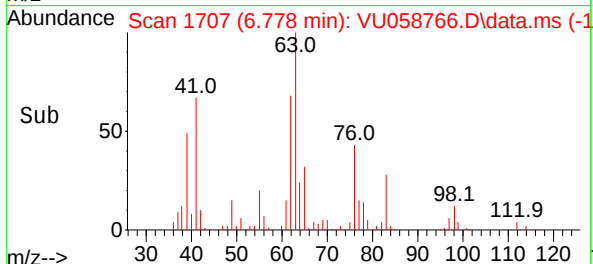
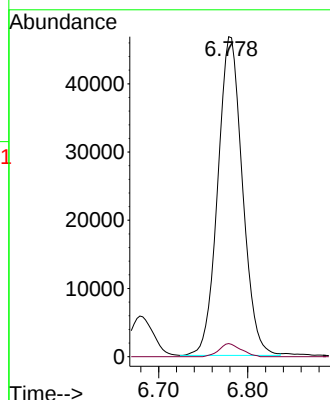
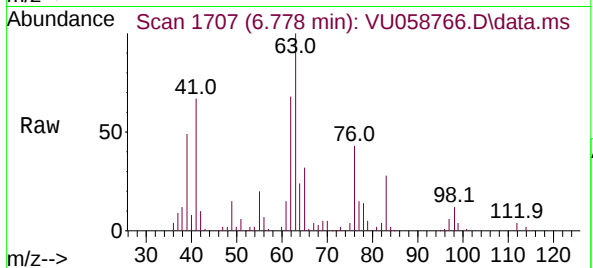




#37
1,2-Dichloropropane
Concen: 9.921 ug/L
RT: 6.778 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

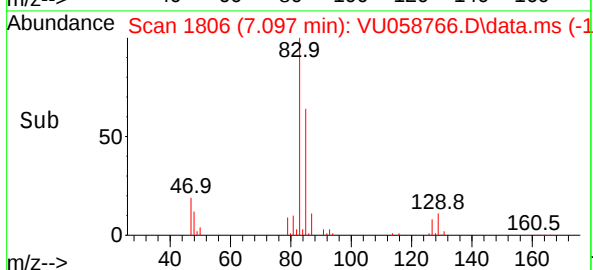
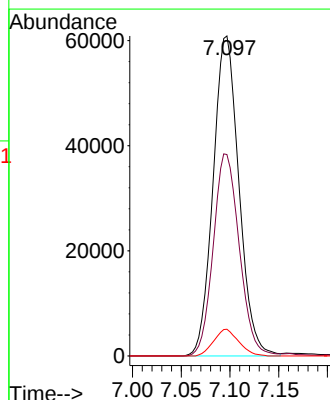
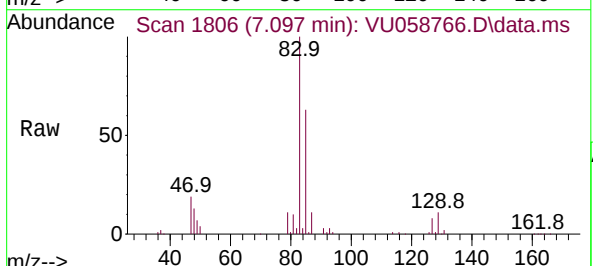
Instrument :
MSVOA_U
ClientSampleId :

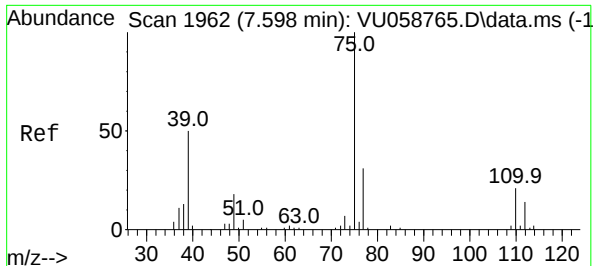
Tgt Ion: 63 Resp: 89980
Ion Ratio Lower Upper
63 100
112 3.7 2.8 4.2



#38
Bromodichloromethane
Concen: 10.634 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion: 83 Resp: 112311
Ion Ratio Lower Upper
83 100
85 63.0 45.2 84.0
127 8.3 6.3 9.5

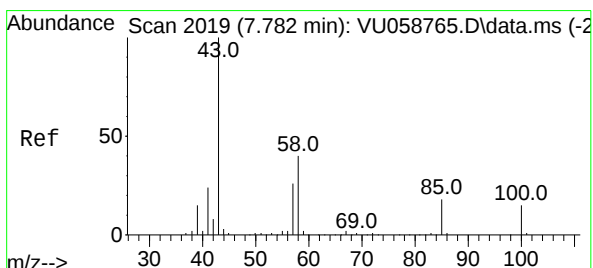
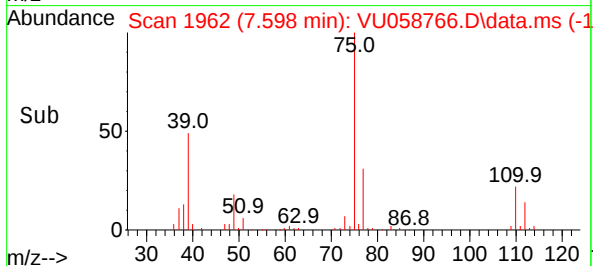
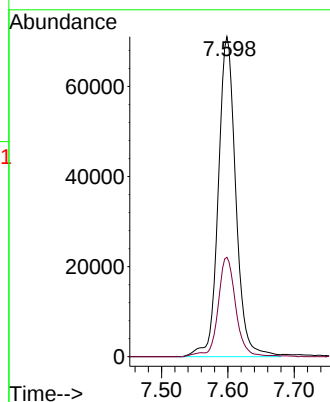
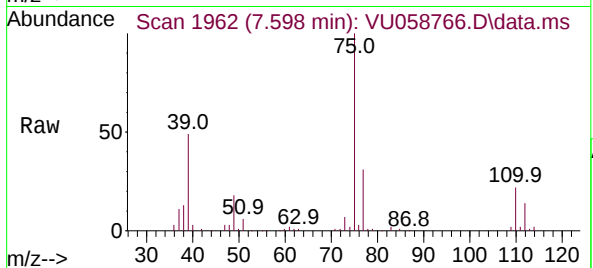




#39
 cis-1,3-Dichloropropene
 Concen: 11.049 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

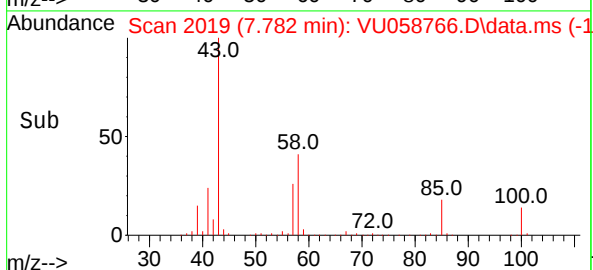
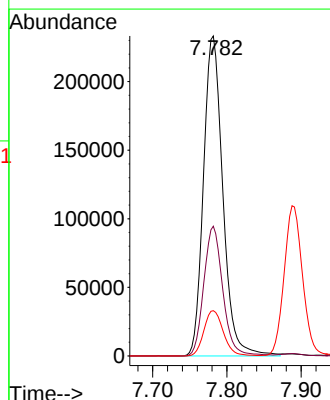
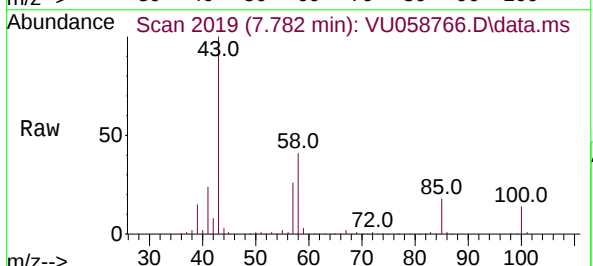
Instrument :
 MSVOA_U
 ClientSampleId :

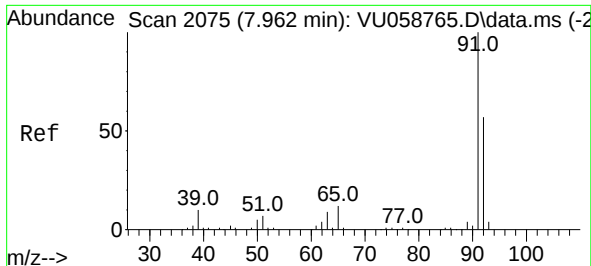
Tgt Ion: 75 Resp: 130731
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 99.704 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU058766.D
 Acq: 22 Apr 2024 12:49

Tgt Ion: 43 Resp: 422853
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3
 100 14.2 11.4 17.0





#42

Toluene

Concen: 10.297 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

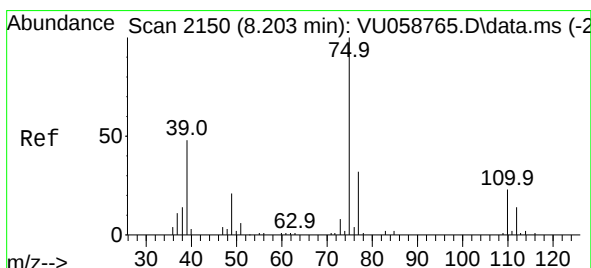
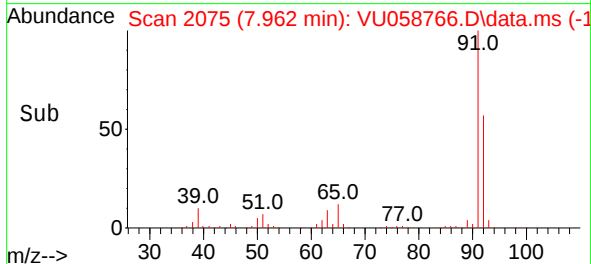
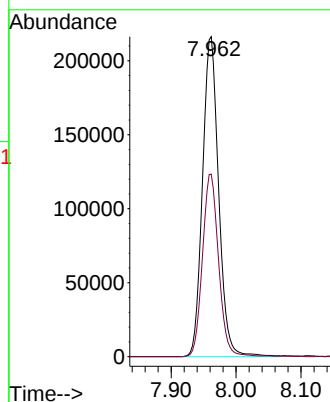
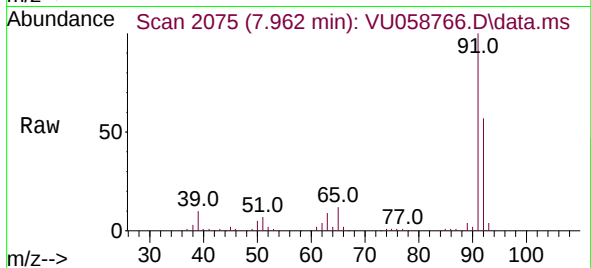
ClientSampleId :

Tgt Ion: 91 Resp: 374902

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 11.037 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU058766.D

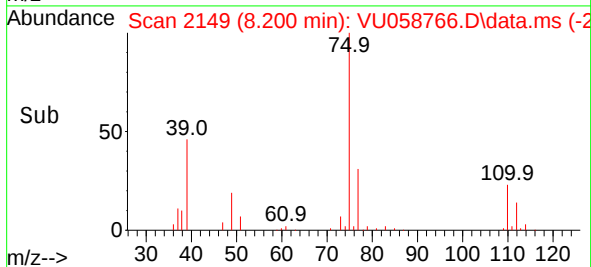
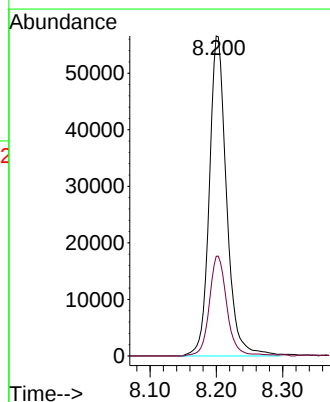
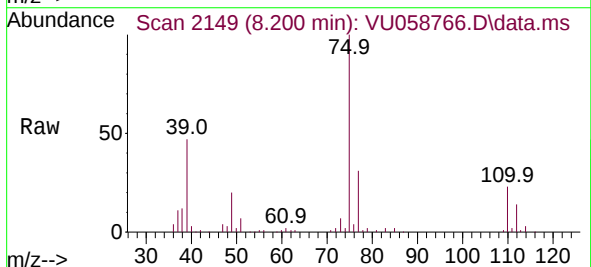
Acq: 22 Apr 2024 12:49

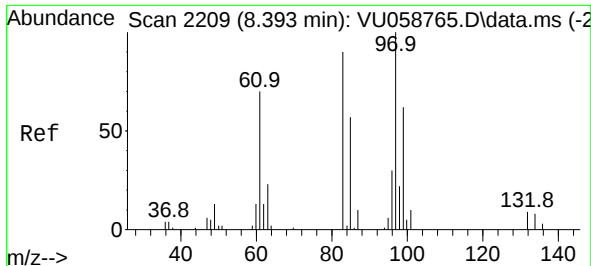
Tgt Ion: 75 Resp: 102302

Ion Ratio Lower Upper

75 100

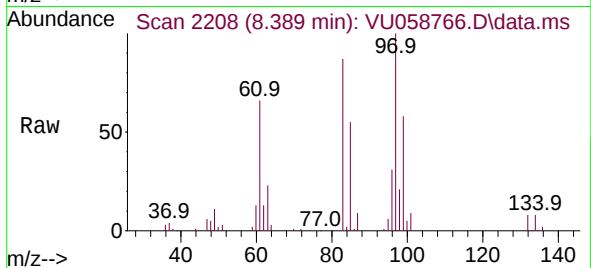
77 31.1 22.1 41.1



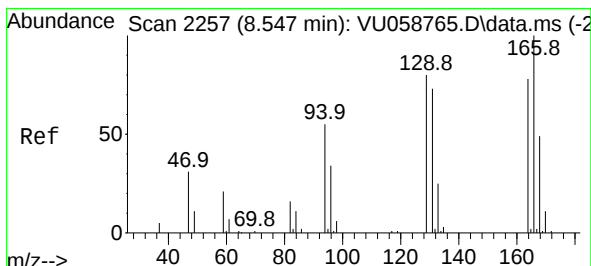
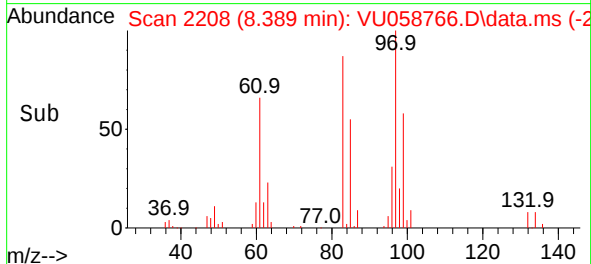
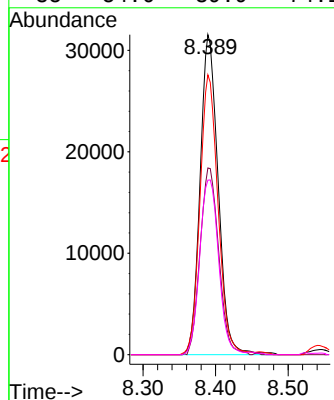


#45
1,1,2-Trichloroethane
Concen: 10.219 ug/L
RT: 8.389 min Scan# 2208
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Instrument :
MSVOA_U
ClientSampleId :

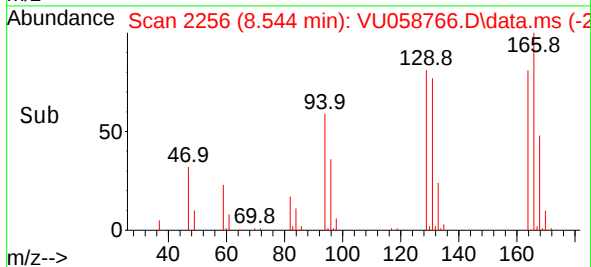
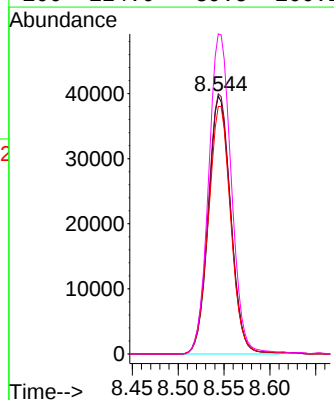
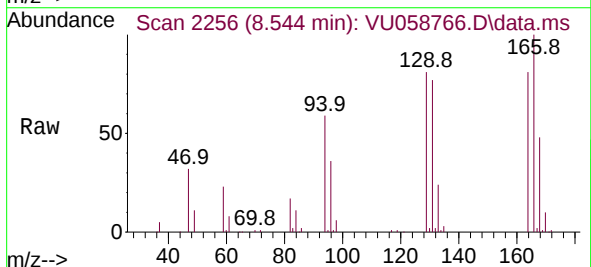


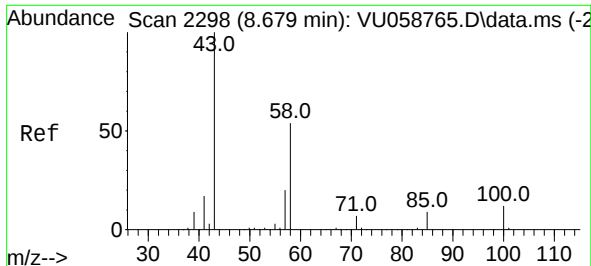
Tgt Ion:	97	Resp:	54388
Ion	Ratio	Lower	Upper
97	100		
99	58.3	43.7	81.1
83	87.5	62.9	116.9
85	54.6	39.9	74.1



#47
Tetrachloroethene
Concen: 10.332 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion:	164	Resp:	66801
Ion	Ratio	Lower	Upper
164	100		
129	100.9	71.5	132.9
131	95.9	65.0	120.6
166	124.0	89.5	166.1

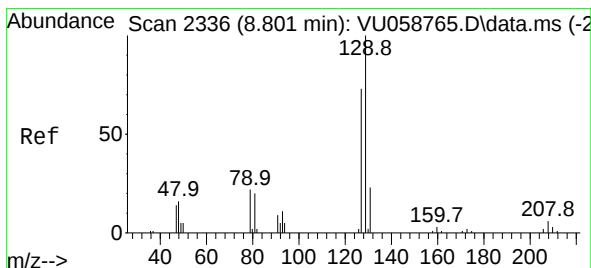
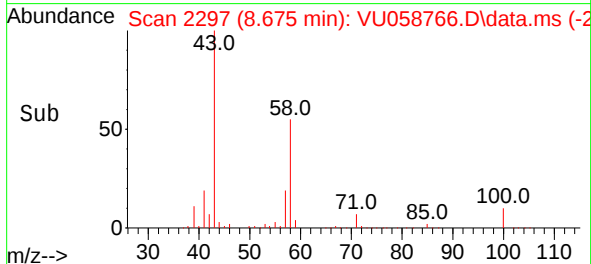
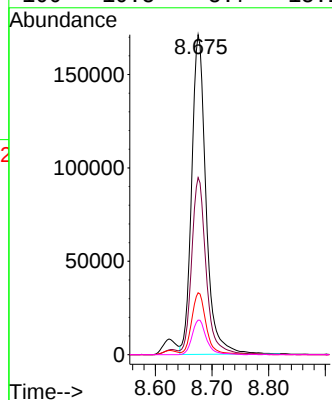
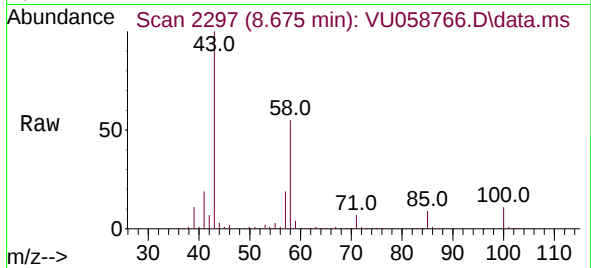




#48
2-Hexanone
Concen: 100.177 ug/L
RT: 8.675 min Scan# 2298
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

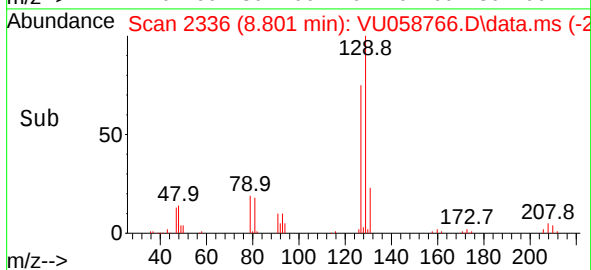
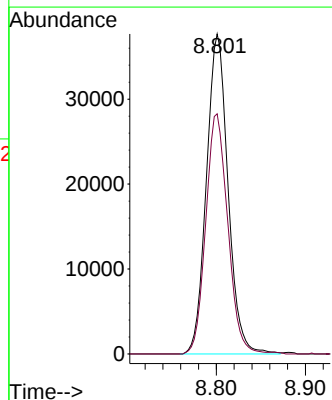
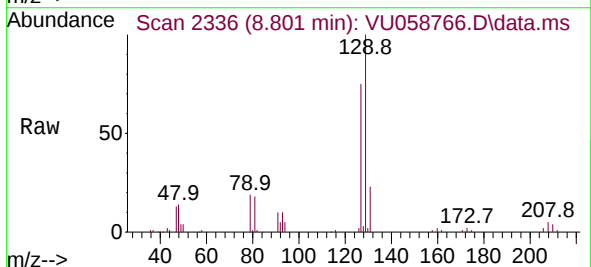
Instrument :
MSVOA_U
ClientSampleId :

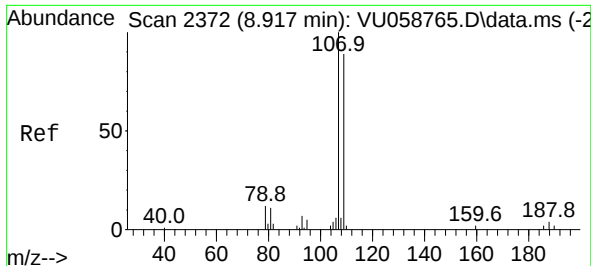
Tgt Ion: 43 Resp: 300441
Ion Ratio Lower Upper
43 100
58 54.8 43.7 65.5
57 19.4 15.0 22.4
100 10.8 8.7 13.1



#49
Dibromochloromethane
Concen: 10.301 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion:129 Resp: 63462
Ion Ratio Lower Upper
129 100
127 75.0 51.0 94.8





#50

1,2-Dibromoethane

Concen: 9.971 ug/L

RT: 8.913 min Scan# 2371

Delta R.T. -0.003 min

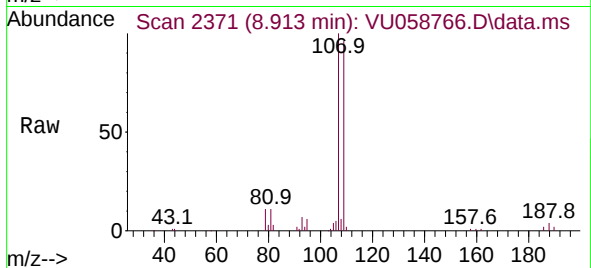
Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :



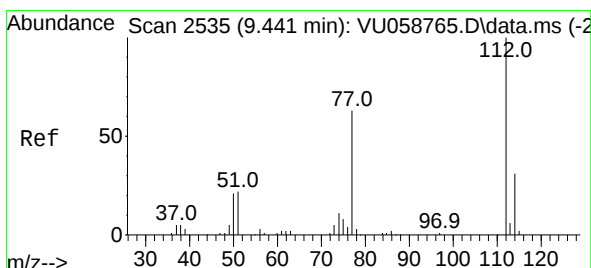
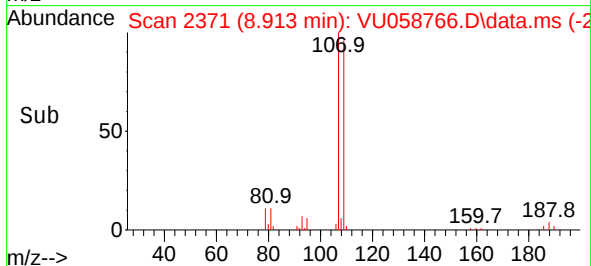
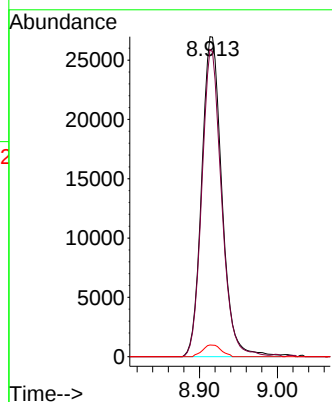
Tgt Ion:107 Resp: 48611

Ion Ratio Lower Upper

107 100

109 96.0 62.3 115.7

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 10.018 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

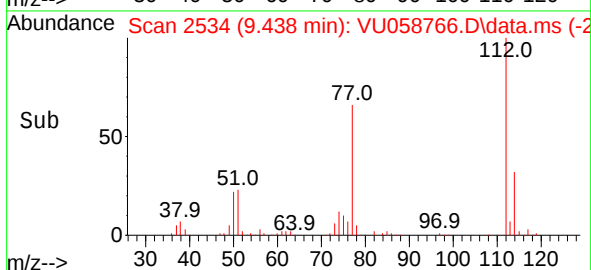
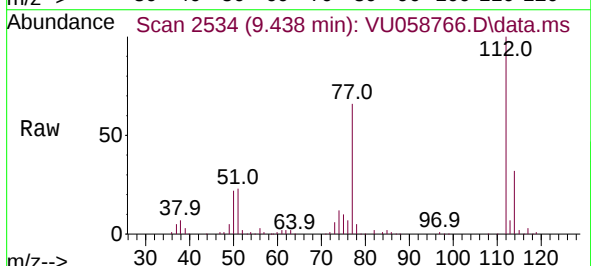
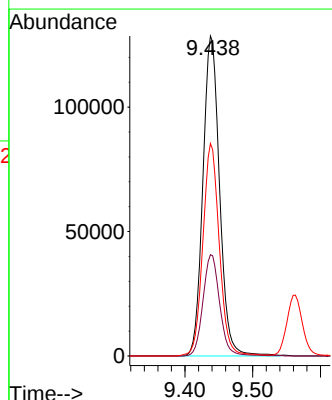
Tgt Ion:112 Resp: 220176

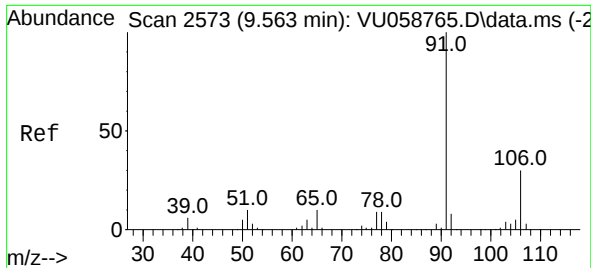
Ion Ratio Lower Upper

112 100

114 31.6 21.7 40.3

77 66.4 50.5 75.7





#52

Ethylbenzene

Concen: 10.727 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

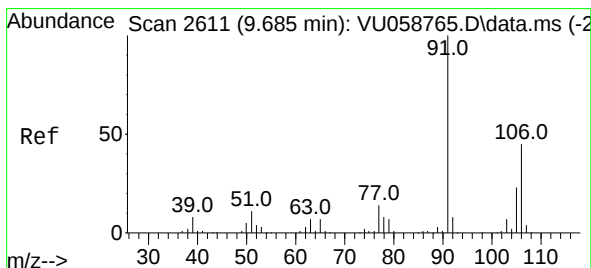
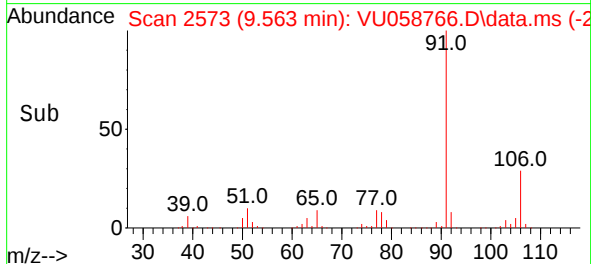
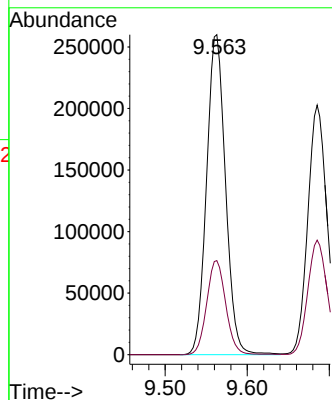
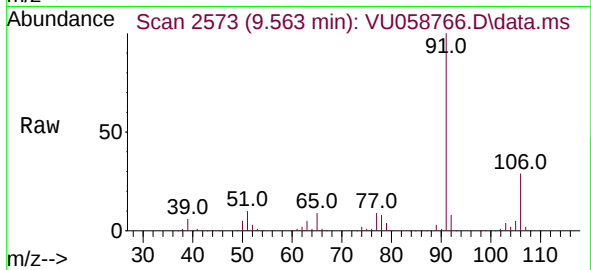
ClientSampleId :

Tgt Ion: 91 Resp: 416578

Ion Ratio Lower Upper

91 100

106 29.4 20.9 38.9



#53

m,p-Xylene

Concen: 11.085 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU058766.D

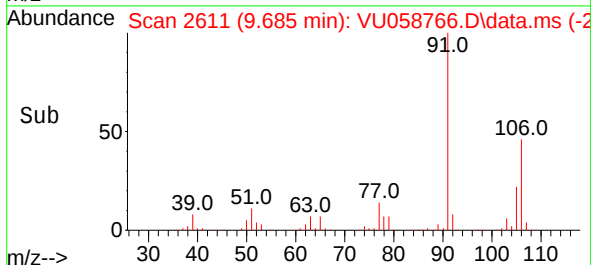
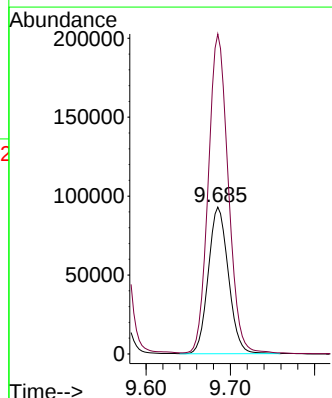
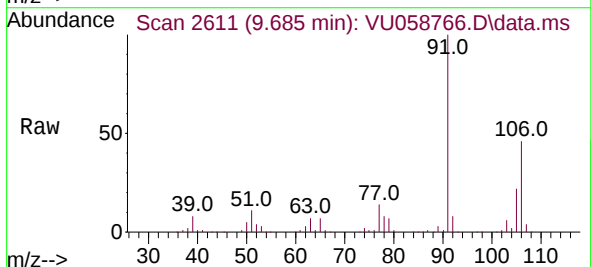
Acq: 22 Apr 2024 12:49

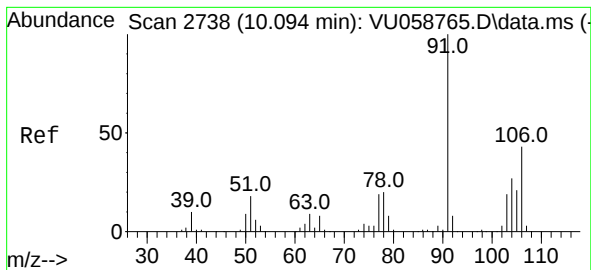
Tgt Ion:106 Resp: 153985

Ion Ratio Lower Upper

106 100

91 217.8 155.1 288.1





#54

o-Xylene

Concen: 10.921 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

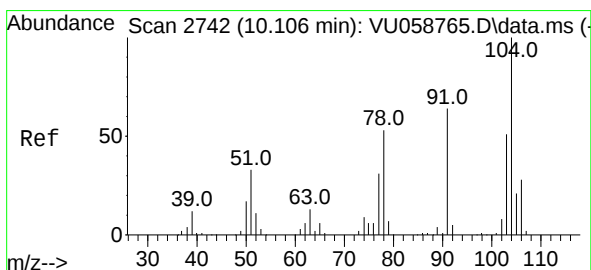
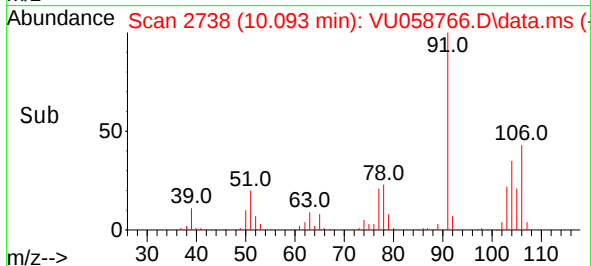
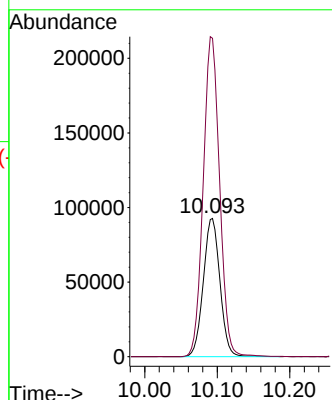
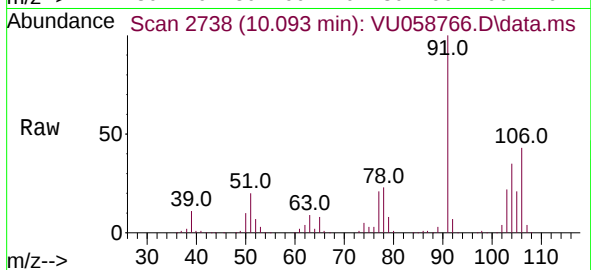
ClientSampleId :

Tgt Ion:106 Resp: 147866

Ion Ratio Lower Upper

106 100

91 230.2 163.7 304.1



#55

Styrene

Concen: 11.210 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU058766.D

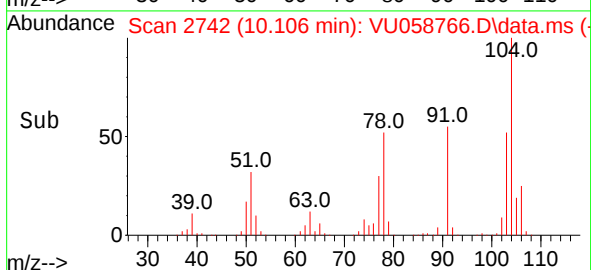
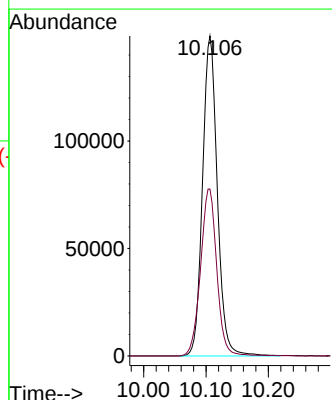
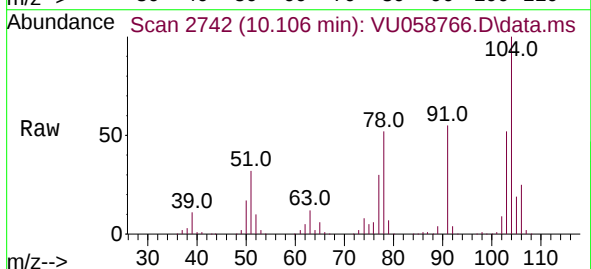
Acq: 22 Apr 2024 12:49

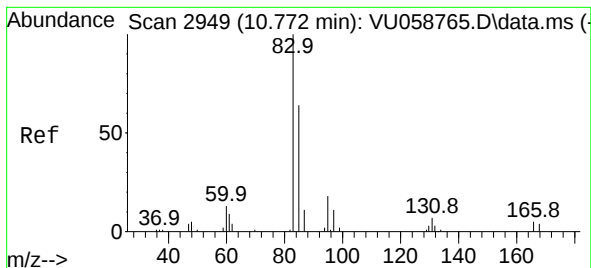
Tgt Ion:104 Resp: 246054

Ion Ratio Lower Upper

104 100

78 52.1 37.1 68.9





#57

1,1,2,2-Tetrachloroethane

Concen: 9.539 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

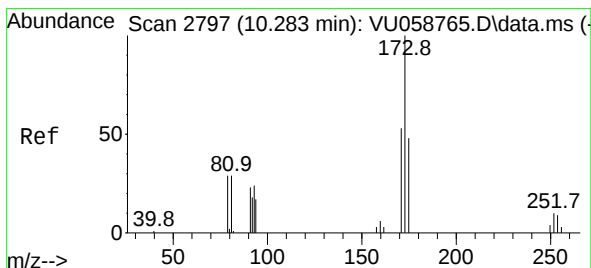
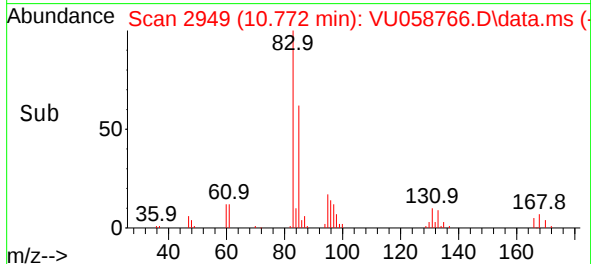
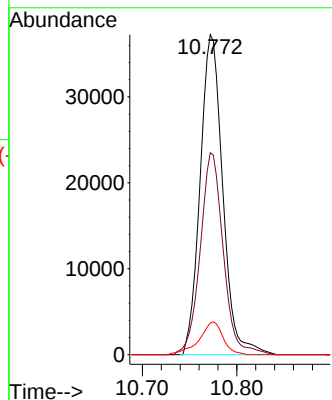
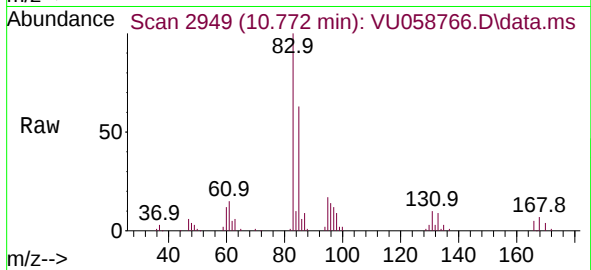
Tgt Ion: 83 Resp: 61830

Ion Ratio Lower Upper

83 100

85 63.1 44.6 82.8

131 9.9 6.7 10.1



#59

Bromoform

Concen: 10.881 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

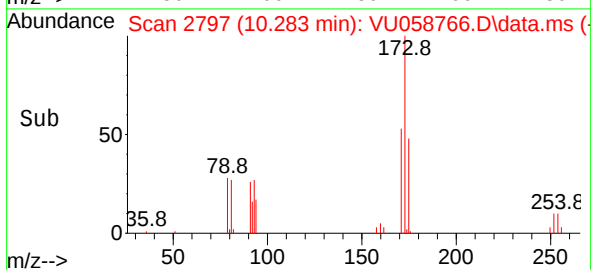
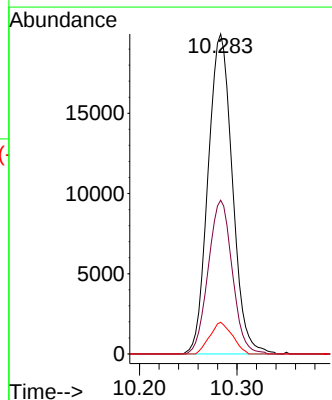
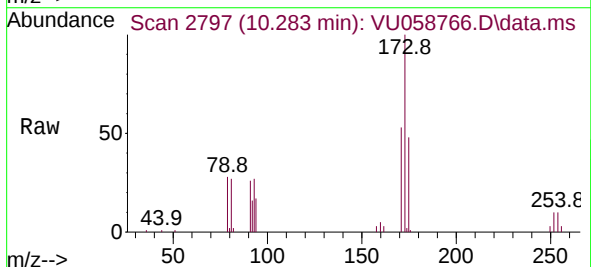
Tgt Ion:173 Resp: 34516

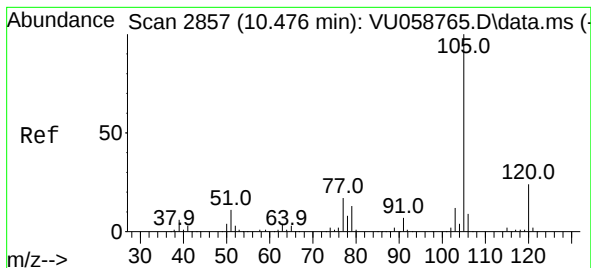
Ion Ratio Lower Upper

173 100

175 47.4 39.3 58.9

254 9.2 7.5 11.3





#60

Isopropylbenzene

Concen: 11.670 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

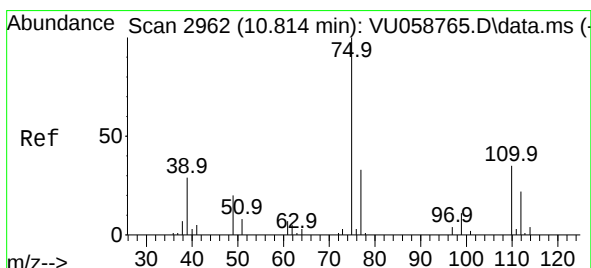
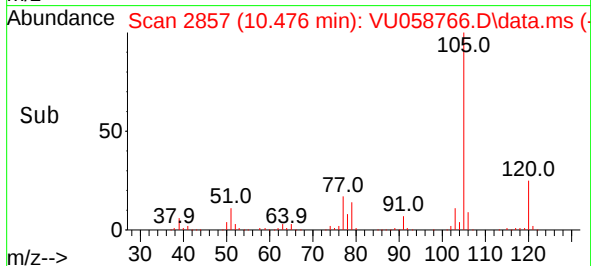
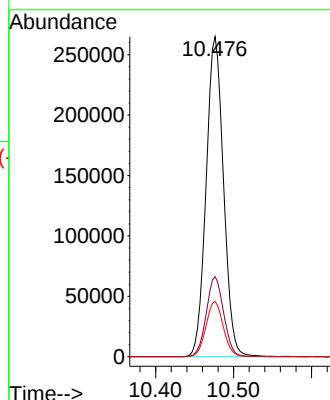
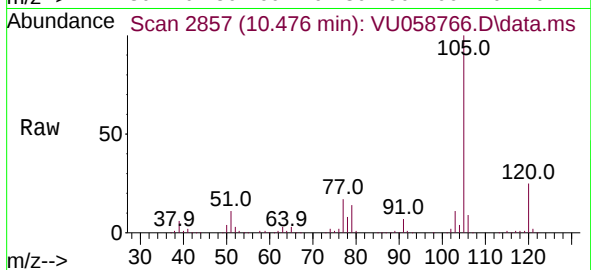
Tgt Ion:105 Resp: 411182

Ion Ratio Lower Upper

105 100

120 25.0 19.6 29.4

77 17.3 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 9.528 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

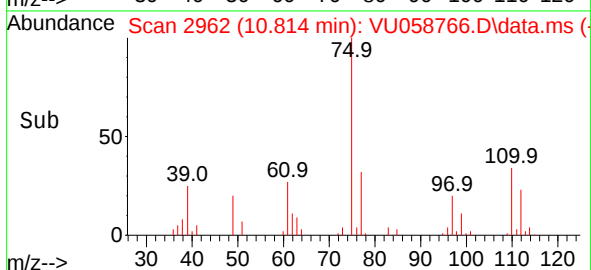
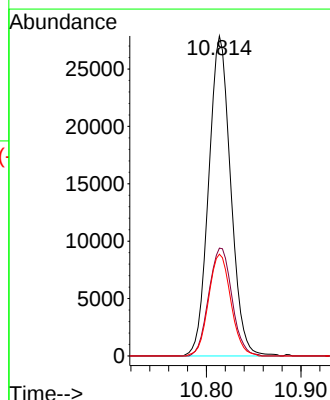
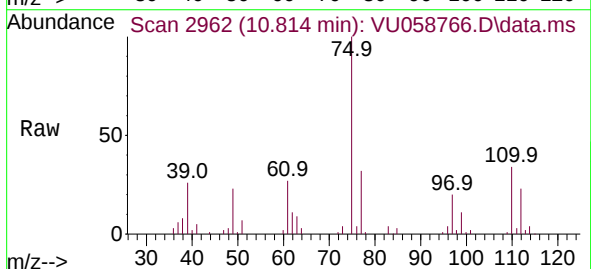
Tgt Ion: 75 Resp: 45048

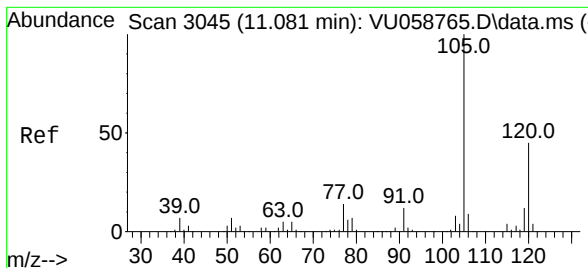
Ion Ratio Lower Upper

75 100

110 35.5 28.6 43.0

77 32.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 12.082 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

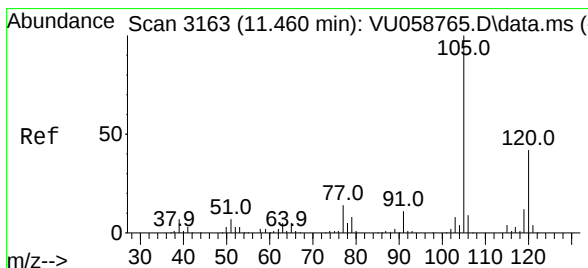
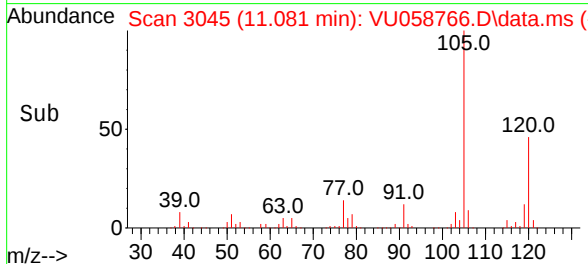
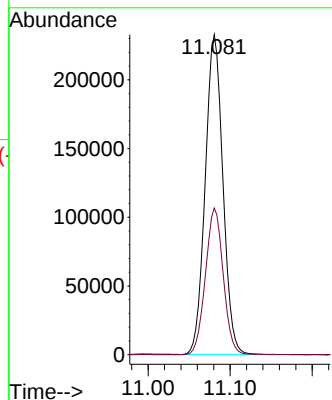
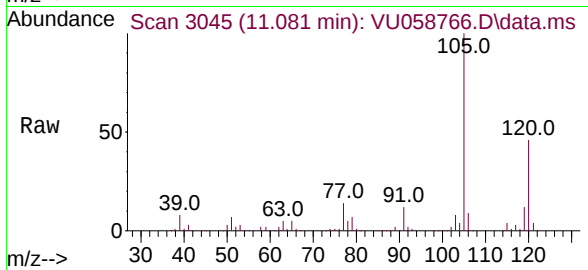
ClientSampleId :

Tgt Ion:105 Resp: 348035

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 11.751 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU058766.D

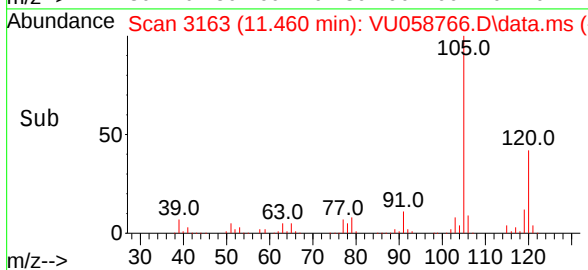
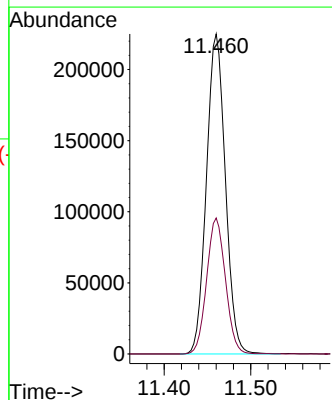
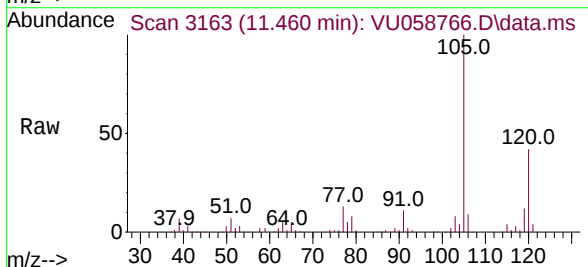
Acq: 22 Apr 2024 12:49

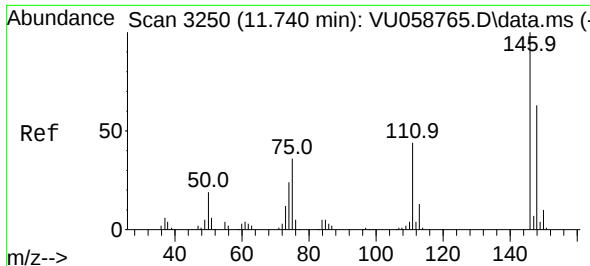
Tgt Ion:105 Resp: 341744

Ion Ratio Lower Upper

105 100

120 42.2 33.4 50.0

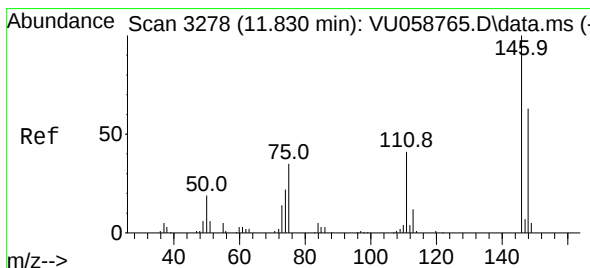
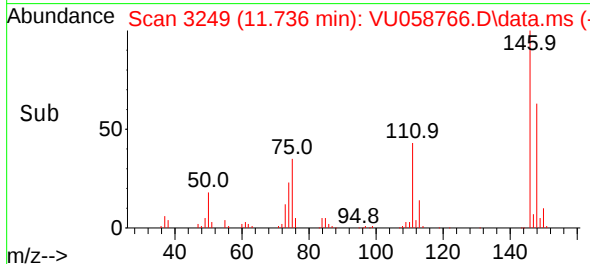
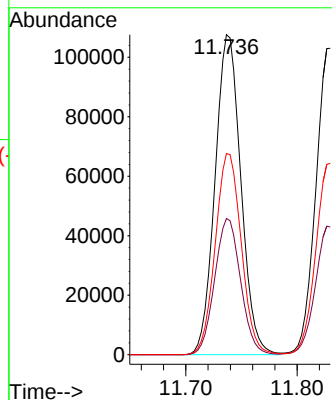
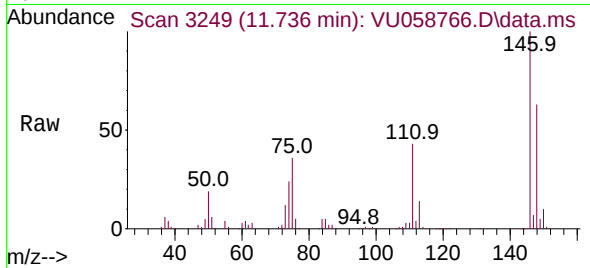




#64
1,3-Dichlorobenzene
Concen: 10.333 ug/L
RT: 11.736 min Scan# 3249
Delta R.T. -0.003 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

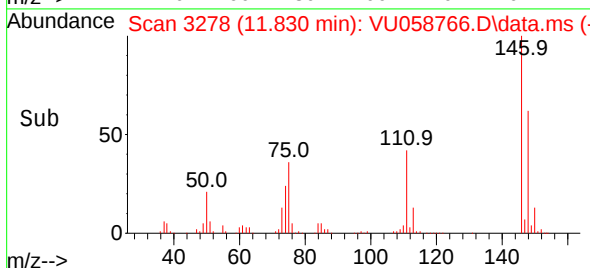
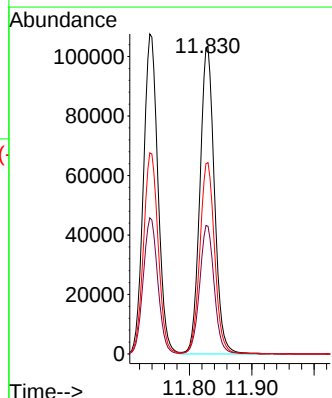
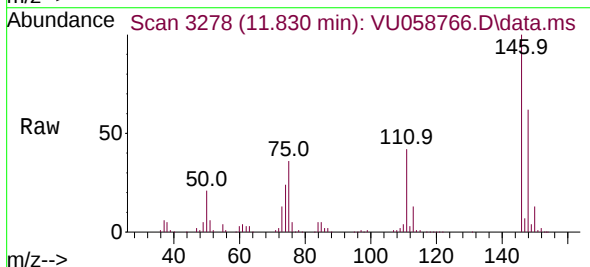
Instrument :
MSVOA_U
ClientSampleId :

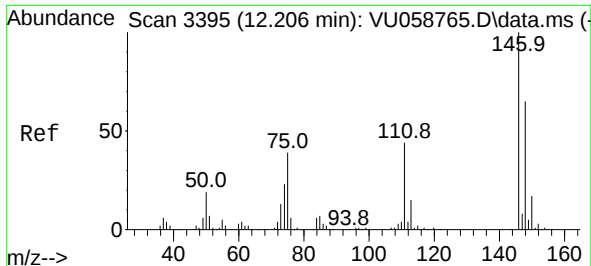
Tgt Ion:146 Resp: 173377
Ion Ratio Lower Upper
146 100
111 42.6 30.9 57.3
148 62.9 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 10.273 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion:146 Resp: 168225
Ion Ratio Lower Upper
146 100
111 41.7 29.3 54.3
148 62.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 9.843 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :

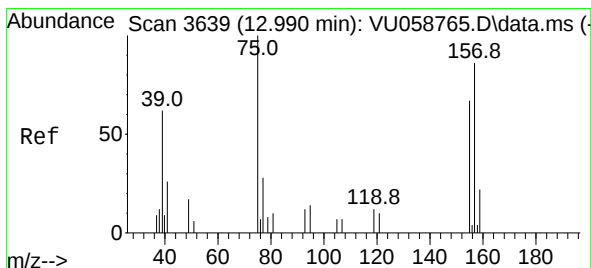
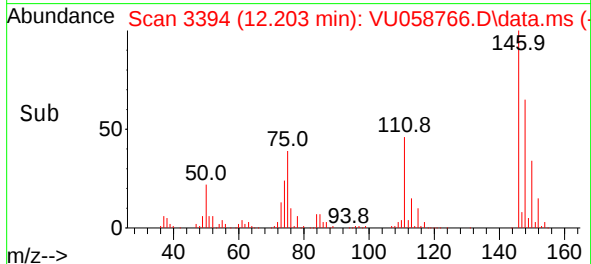
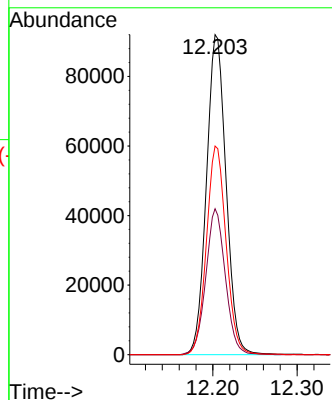
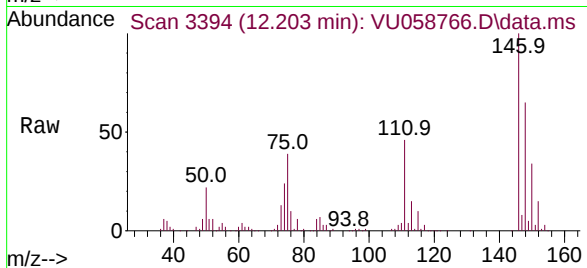
Tgt Ion:146 Resp: 149063

Ion Ratio Lower Upper

146 100

111 45.6 35.7 53.5

148 65.2 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 11.215 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

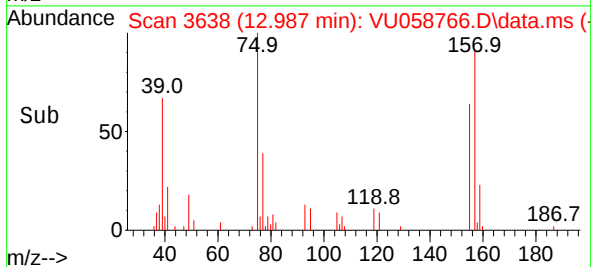
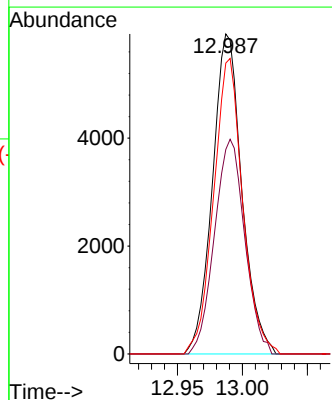
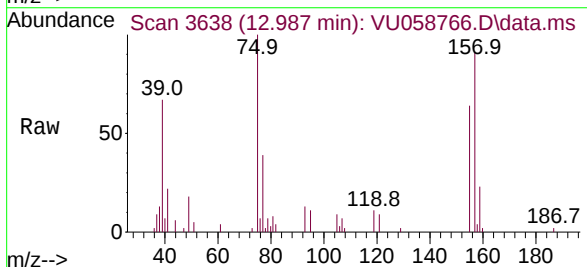
Tgt Ion: 75 Resp: 9333

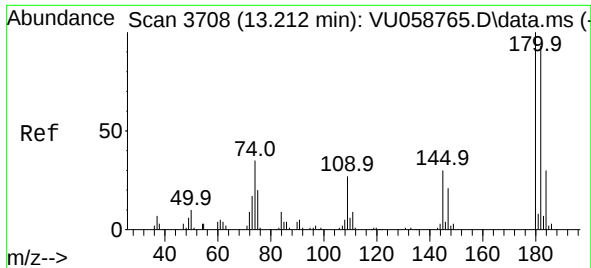
Ion Ratio Lower Upper

75 100

155 63.9 53.6 80.4

157 90.9 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 10.271 ug/L

RT: 13.212 min Scan# 3

Delta R.T. -0.000 min

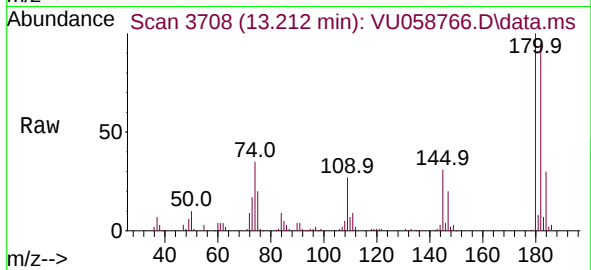
Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 126970

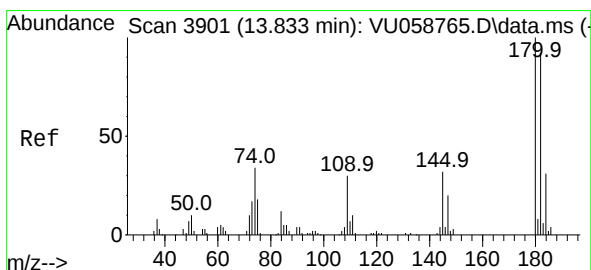
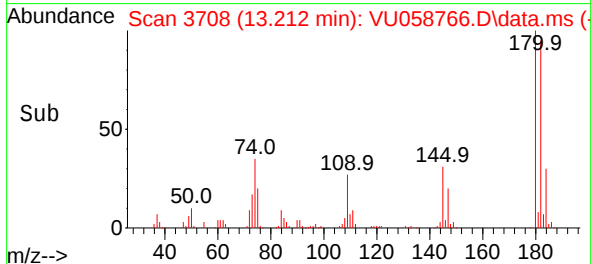
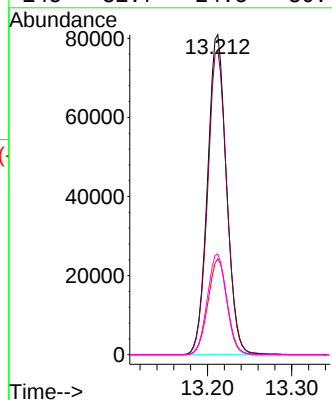
Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

184 30.3 24.7 37.1

145 31.7 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 9.823 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU058766.D

Acq: 22 Apr 2024 12:49

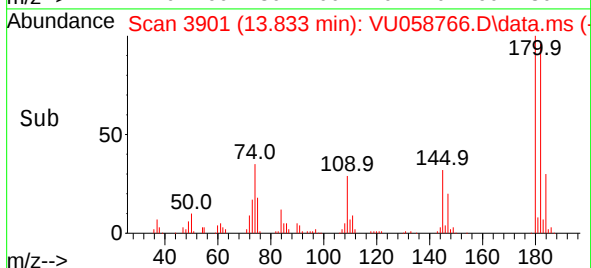
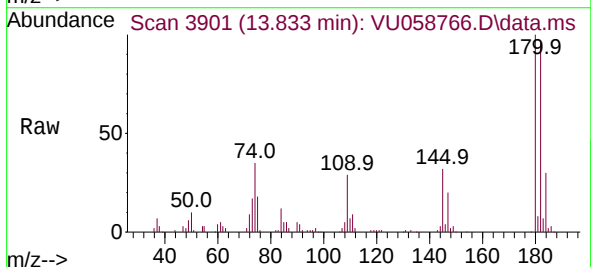
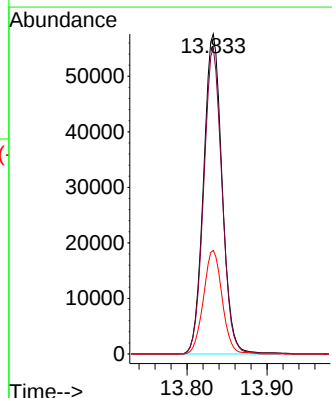
Tgt Ion:180 Resp: 93058

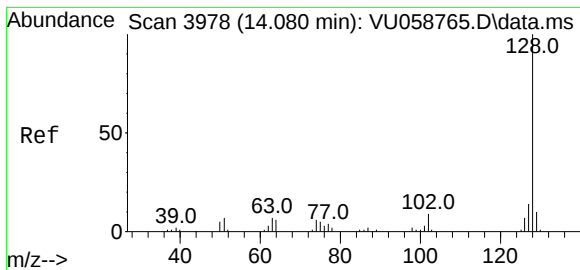
Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

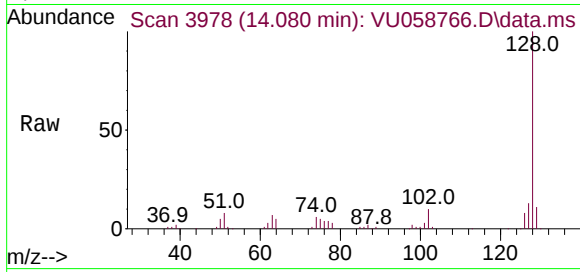
145 32.6 25.7 38.5



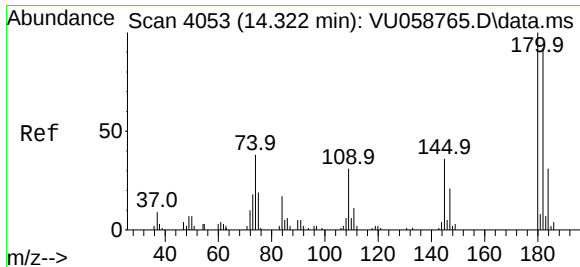
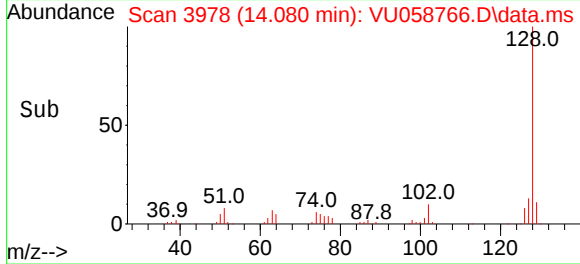
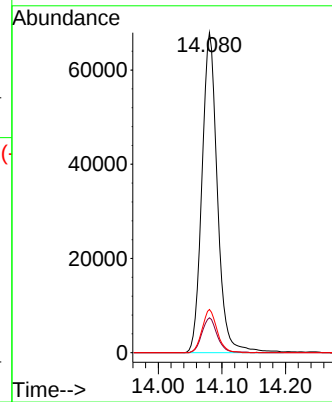


#71
Naphthalene
Concen: 8.915 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 114696
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 13.0 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 9.395 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU058766.D
Acq: 22 Apr 2024 12:49

Tgt Ion:180 Resp: 73107
Ion Ratio Lower Upper
180 100
182 95.6 75.0 112.6
145 34.1 27.6 41.4

