

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042224\
 Data File : VU058763.D
 Acq On : 22 Apr 2024 11:20
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 23:37:52 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	95915	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	91088	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	39970	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	3355	0.502	ug/L	0.00
7) Chloroethane-d5	1.907	69	2769	0.492	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	1699	0.546	ug/L	0.00
20) 2-Butanone-d5	4.660	46	5054	3.702	ug/L	0.03
24) Chloroform-d	5.055	84	6717	0.499	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	3253	0.510	ug/L	0.00
32) Benzene-d6	5.724	84	11970	0.462	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	3678	0.458	ug/L	0.00
41) Toluene-d8	7.898	98	10550	0.457	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	1196	0.461	ug/L	0.00
46) 2-Hexanone-d5	8.640	63	3359	3.361	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.749	84	2108	0.377	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	2905	0.417	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	5518	0.639	ug/L	99
3) Chloromethane	1.512	50	4318	0.449	ug/L	93
5) Vinyl chloride	1.599	62	4547	0.473	ug/L	97
6) Bromomethane	1.850	94	2605	0.545	ug/L	93
8) Chloroethane	1.927	64	2573	0.430	ug/L	93
9) Trichlorofluoromethane	2.132	101	6891	0.526	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3954	0.505	ug/L	96
12) 1,1-Dichloroethene	2.573	96	3557	0.513	ug/L	88
13) Acetone	2.657	43	4670	4.158	ug/L	94
14) Carbon disulfide	2.785	76	12329	0.549	ug/L	99
15) Methyl Acetate	2.965	43	647	0.245	ug/L #	53
16) Methylene chloride	3.036	84	4001	0.450	ug/L	97
17) Methyl tert-butyl Ether	3.348	73	7721	0.474	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	3332	0.462	ug/L	87
19) 1,1-Dichloroethane	3.859	63	7385	0.470	ug/L	99
21) 2-Butanone	4.734	43	5499	3.273	ug/L	79
22) cis-1,2-Dichloroethene	4.663	96	3825	0.475	ug/L	92
23) Bromochloromethane	4.972	128	1480	0.466	ug/L	91
25) Chloroform	5.078	83	7954	0.518	ug/L	97
27) 1,2-Dichloroethane	5.798	62	4871	0.523	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	6877	0.540	ug/L	99
30) Cyclohexane	5.380	56	5985	0.455	ug/L	93
31) Carbon tetrachloride	5.515	117	5962	0.548	ug/L	96
33) Benzene	5.769	78	15749	0.473	ug/L	100
34) Trichloroethene	6.541	95	4448	0.522	ug/L	95
35) Methylcyclohexane	6.756	83	6119	0.478	ug/L	99
37) 1,2-Dichloropropane	6.785	63	4234	0.486	ug/L #	91
38) Bromodichloromethane	7.100	83	5204	0.513	ug/L #	92
39) cis-1,3-Dichloropropene	7.608	75	5294	0.466	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	16827	4.133	ug/L	99
42) Toluene	7.965	91	15457	0.442	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	3890	0.437	ug/L	93

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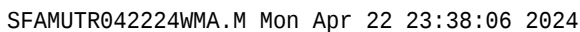
Quant Time: Apr 22 23:37:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 22 23:37:12 2024
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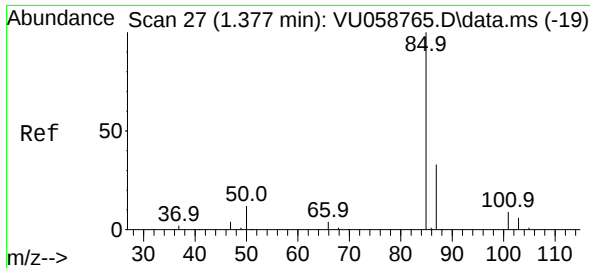
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	2317	0.453	ug/L	95
47) Tetrachloroethene	8.547	164	2906	0.468	ug/L #	73
48) 2-Hexanone	8.685	43	11000	3.821	ug/L #	94
49) Dibromochloromethane	8.804	129	2494	0.422	ug/L #	70
50) 1,2-Dibromoethane	8.920	107	2179	0.466	ug/L #	87
51) Chlorobenzene	9.441	112	10005	0.474	ug/L	97
52) Ethylbenzene	9.566	91	16346	0.438	ug/L	100
53) m,p-Xylene	9.692	106	6037	0.453	ug/L	92
54) o-Xylene	10.094	106	5653	0.435	ug/L	84
55) Styrene	10.116	104	8776	0.416	ug/L	84
57) 1,1,2,2-Tetrachloroethane	10.778	83	2663	0.428	ug/L	94
59) Bromoform	10.286	173	1518	0.563	ug/L #	87
60) Isopropylbenzene	10.479	105	15555	0.520	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	1927	0.480	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	12492	0.510	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	11117	0.450	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7217	0.506	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	6989	0.502	ug/L	94
67) 1,2-Dichlorobenzene	12.212	146	6031	0.469	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	122	0.173	ug/L	86
69) 1,3,5-Trichlorobenzene	13.216	180	4798	0.457	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	3139	0.390	ug/L #	97
71) Naphthalene	14.097	128	3890	0.356	ug/L #	78
72) 1,2,3-Trichlorobenzene	14.328	180	2480	0.375	ug/L	88

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

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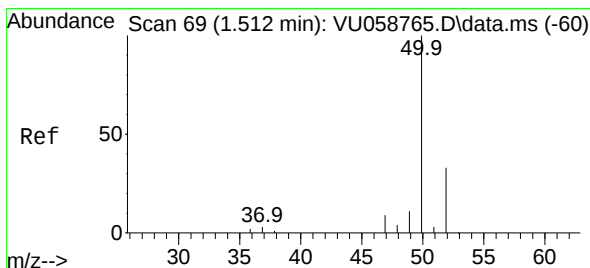
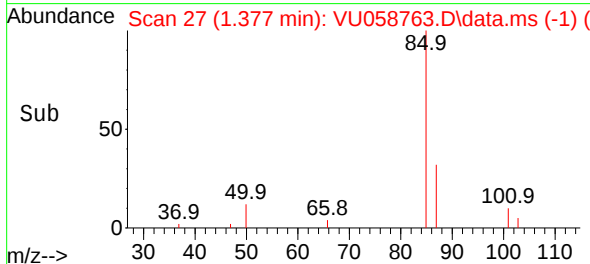
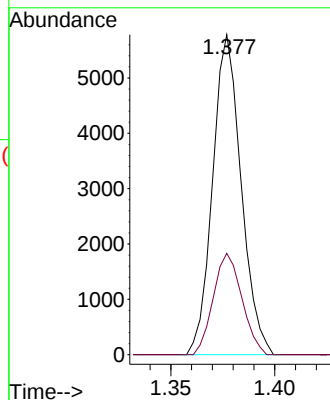
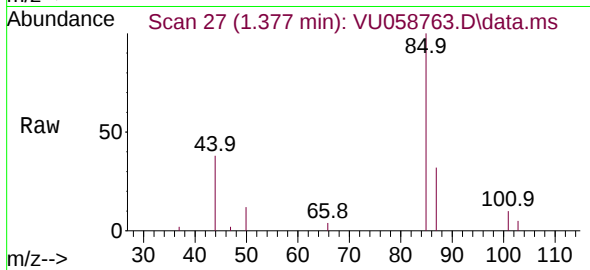




#2
Dichlorodifluoromethane
Concen: 0.639 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

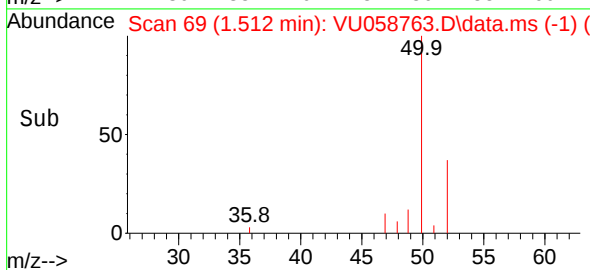
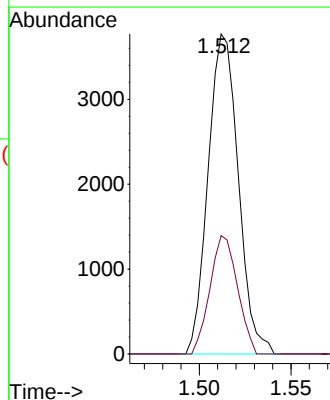
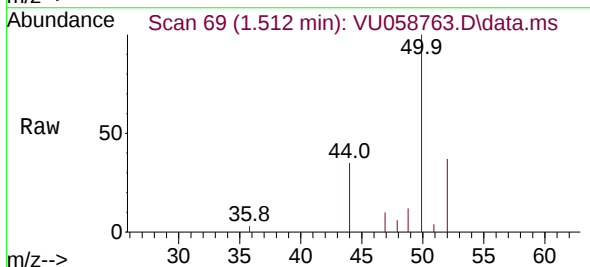
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MSVOA_U
ClientSampleId :

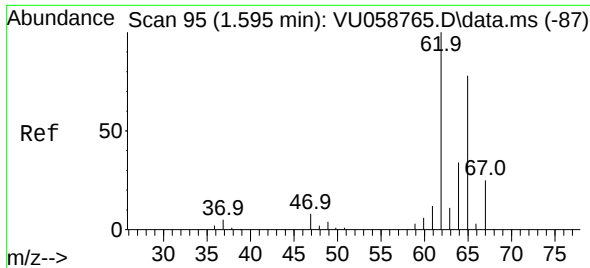
Tgt Ion: 85 Resp: 5518
Ion Ratio Lower Upper
85 100
87 31.7 26.0 39.0



#3
Chloromethane
Concen: 0.449 ug/L
RT: 1.512 min Scan# 69
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

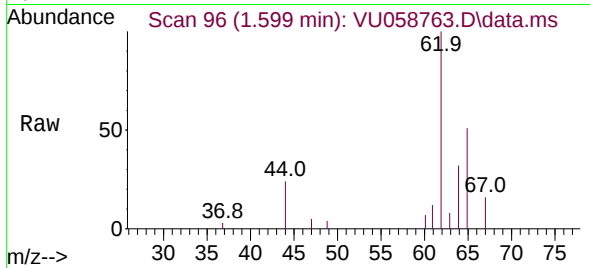
Tgt Ion: 50 Resp: 4318
Ion Ratio Lower Upper
50 100
52 37.0 23.0 42.8



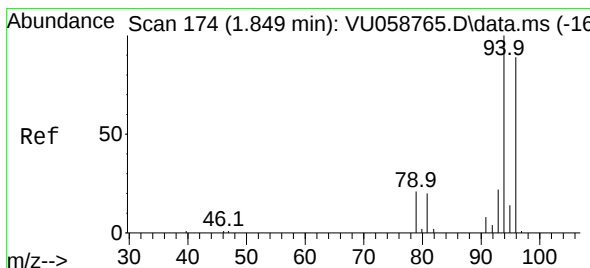
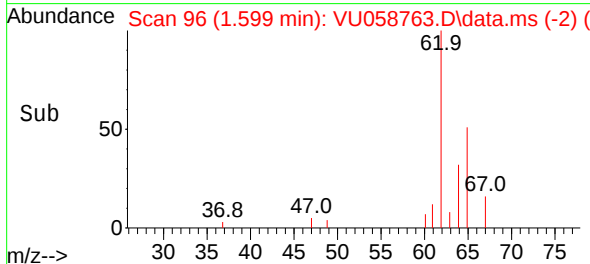
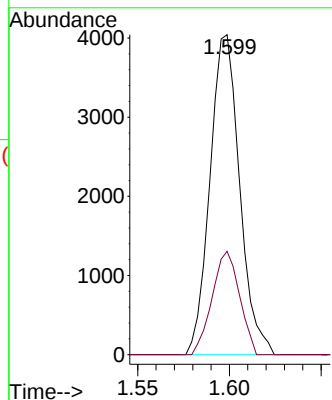


#5
 Vinyl chloride
 Concen: 0.473 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

Instrument :
 MSVOA_U
 ClientSampleId :

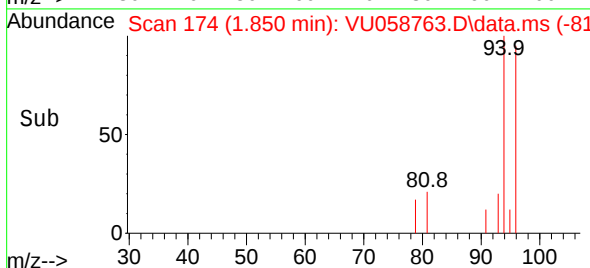
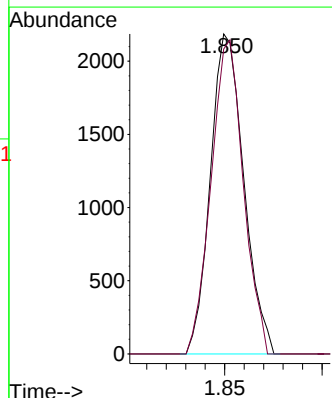
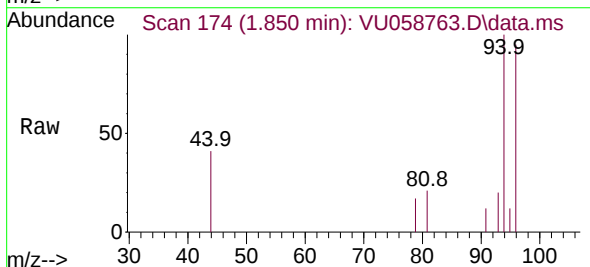


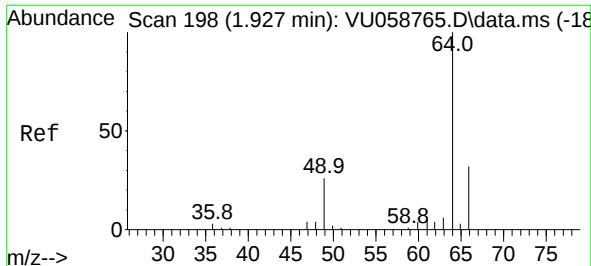
Tgt Ion: 62 Resp: 4547
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.8 44.2



#6
 Bromomethane
 Concen: 0.545 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

Tgt Ion: 94 Resp: 2605
 Ion Ratio Lower Upper
 94 100
 96 95.3 62.2 115.6

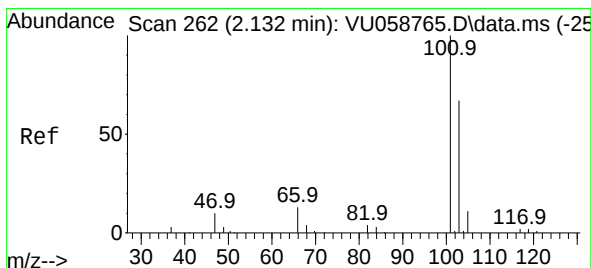
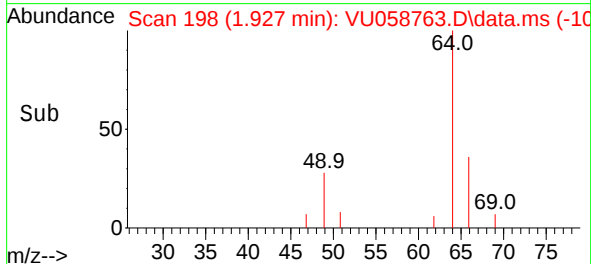
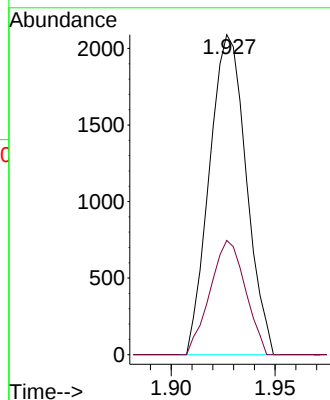
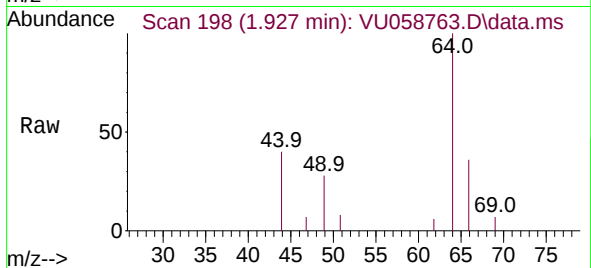




#8
Chloroethane
Concen: 0.430 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

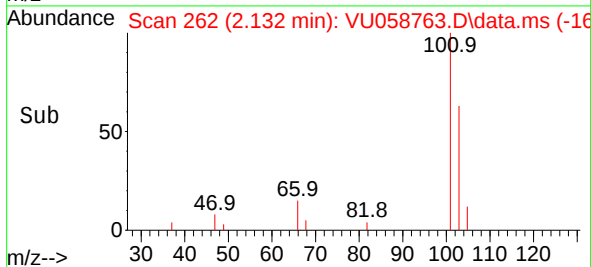
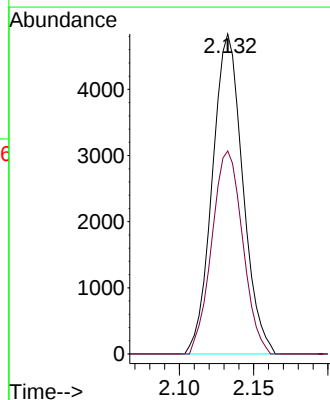
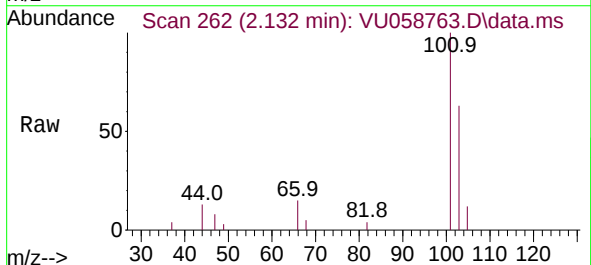
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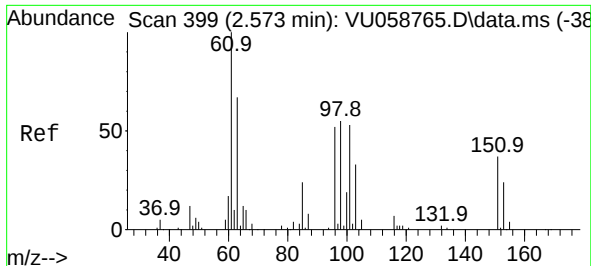
Tgt Ion: 64 Resp: 2573
Ion Ratio Lower Upper
64 100
66 35.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 0.526 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion:101 Resp: 6891
Ion Ratio Lower Upper
101 100
103 64.3 52.6 78.8

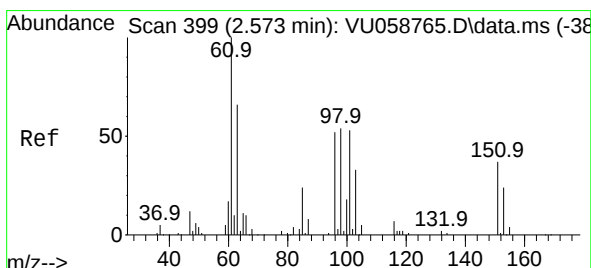
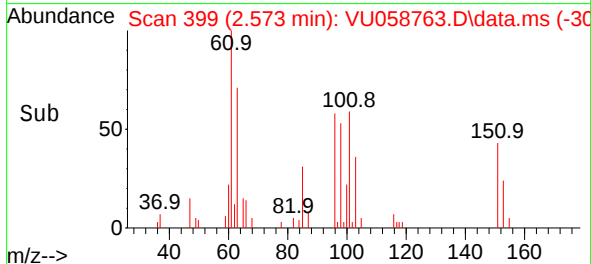
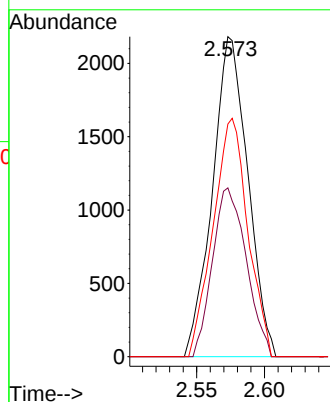
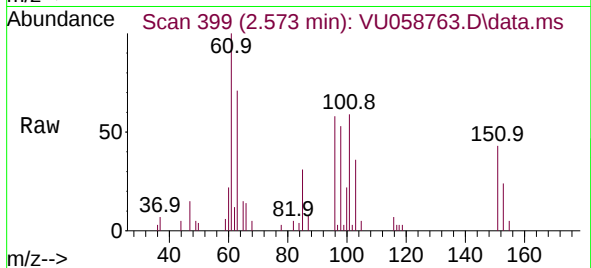




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.505 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

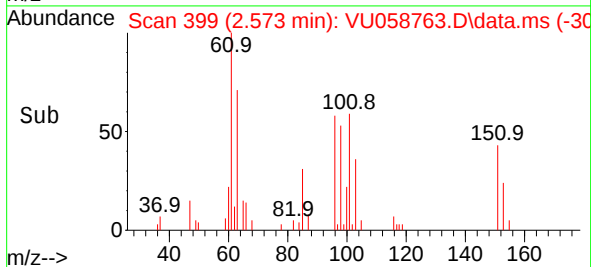
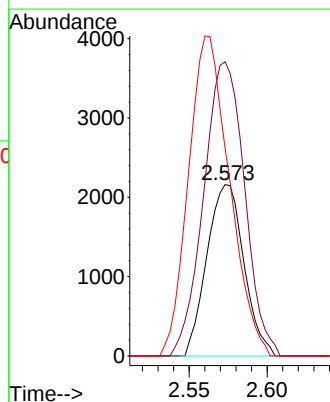
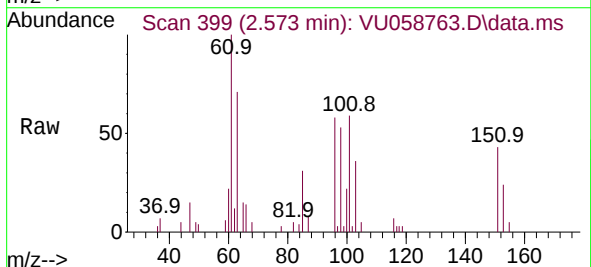
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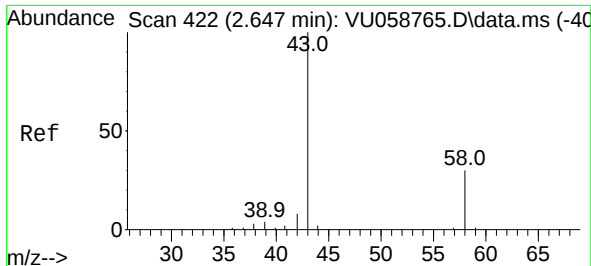
Tgt Ion:101 Resp: 3954
 Ion Ratio Lower Upper
 101 100
 85 50.4 36.7 55.1
 151 73.2 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 0.513 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

Tgt Ion: 96 Resp: 3557
 Ion Ratio Lower Upper
 96 100
 61 171.7 135.3 251.3
 63 121.5 91.9 170.7





#13

Acetone

Concen: 4.158 ug/L

RT: 2.657 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

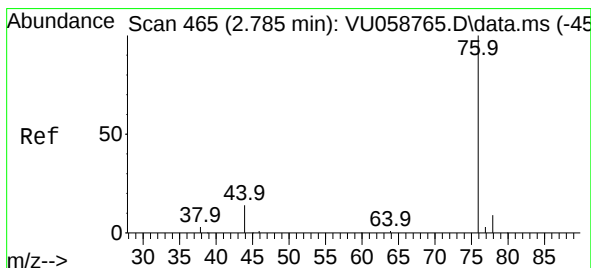
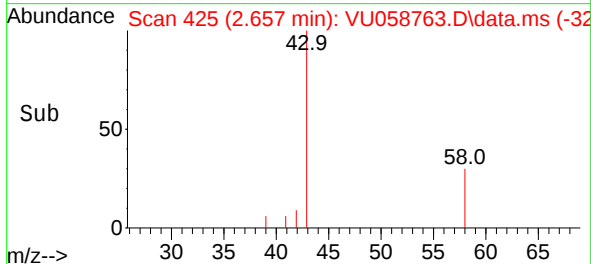
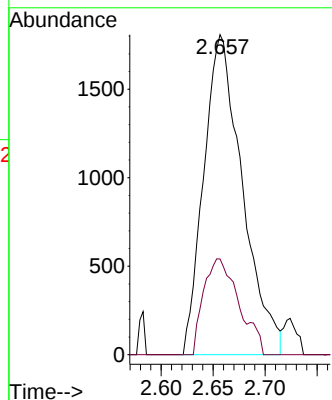
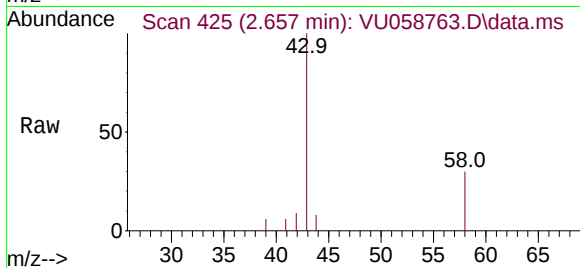
ClientSampleId :

Tgt Ion: 43 Resp: 4670

Ion Ratio Lower Upper

43 100

58 27.3 0.0 61.2



#14

Carbon disulfide

Concen: 0.549 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058763.D

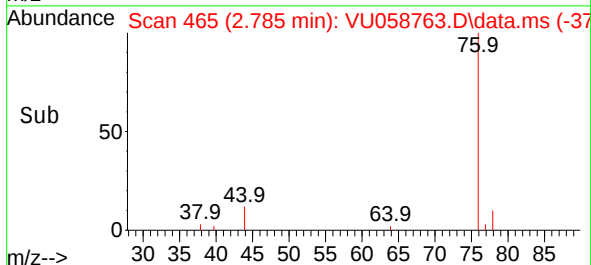
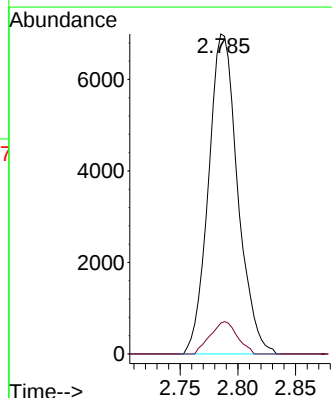
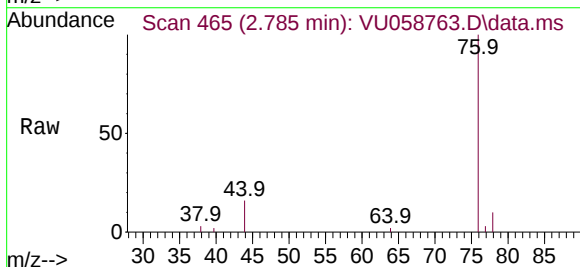
Acq: 22 Apr 2024 11:20

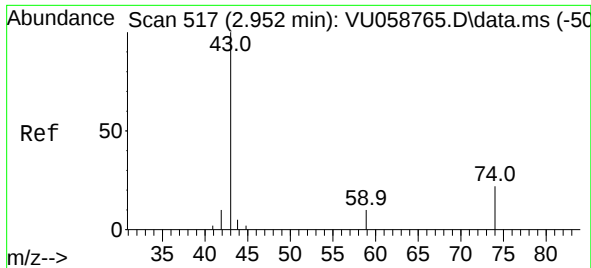
Tgt Ion: 76 Resp: 12329

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2





#15

Methyl Acetate

Concen: 0.245 ug/L

RT: 2.965 min Scan# 51

Delta R.T. 0.013 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

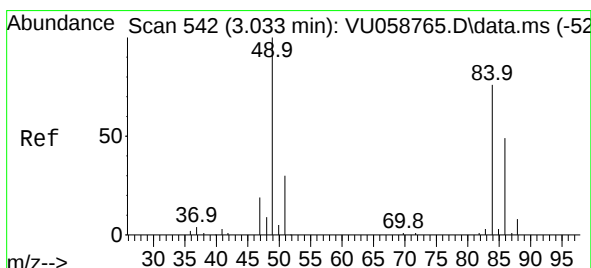
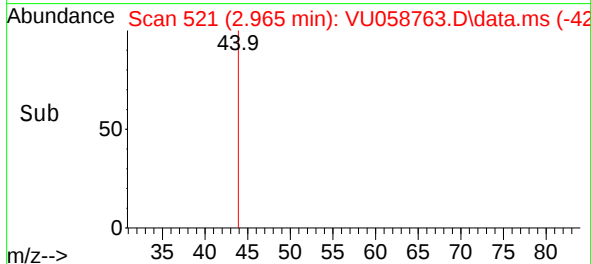
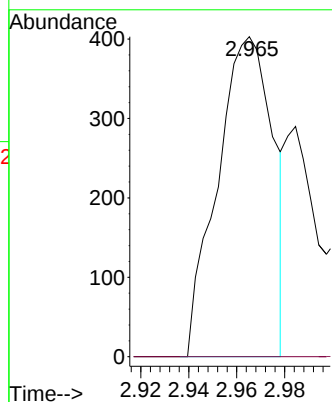
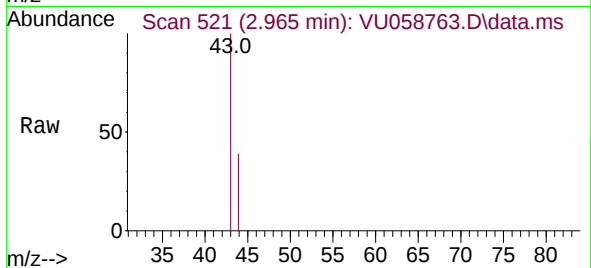
ClientSampleId :

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.4#



#16

Methylene chloride

Concen: 0.450 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

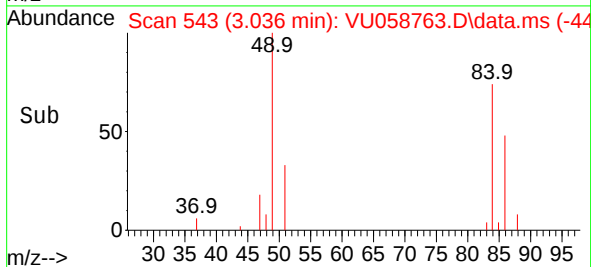
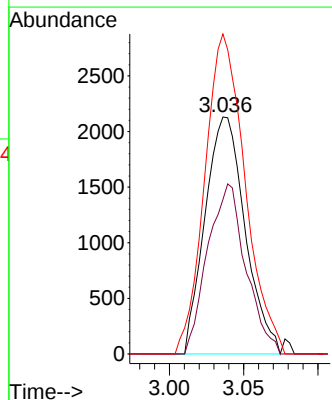
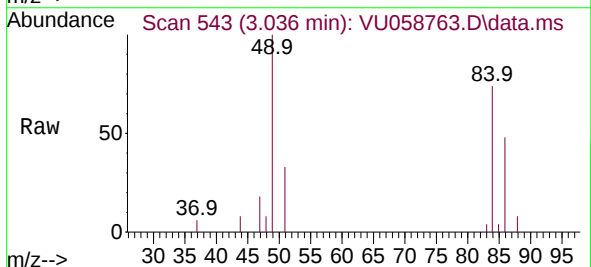
Tgt Ion: 84 Resp: 4001

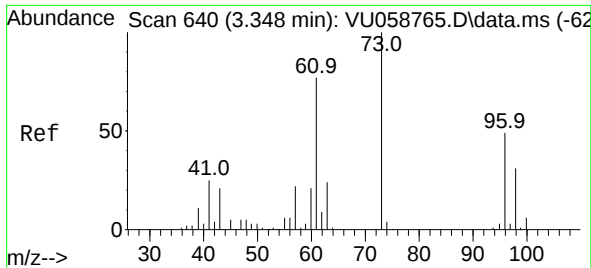
Ion Ratio Lower Upper

84 100

86 65.2 45.0 83.6

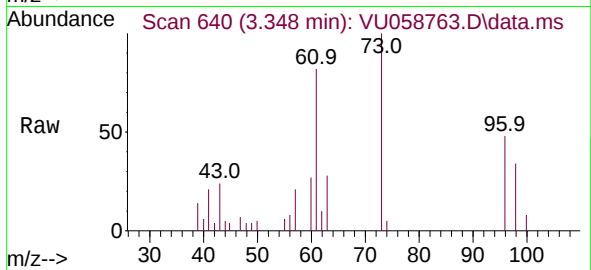
49 135.1 91.6 170.2



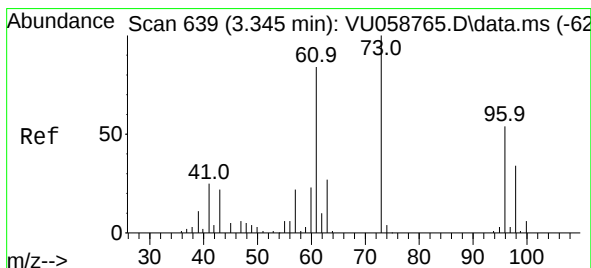
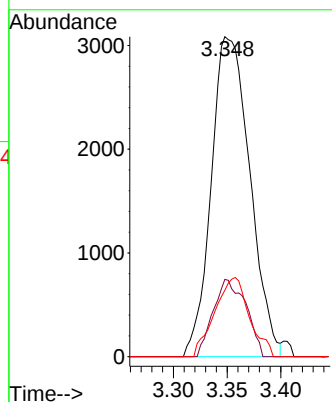


#17
Methyl tert-butyl Ether
Concen: 0.474 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Instrument :
MSVOA_U
ClientSampleId :

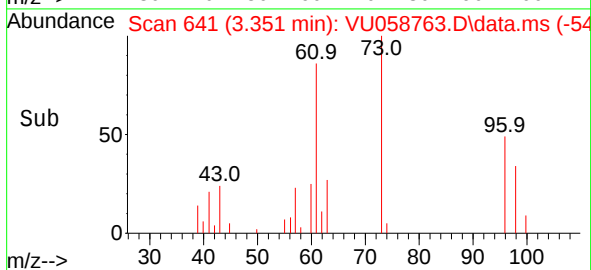
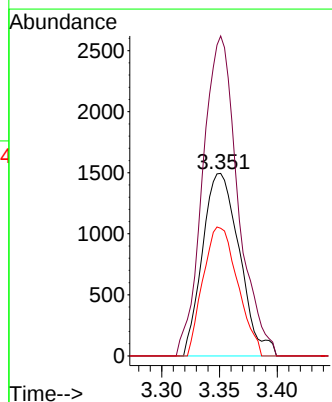
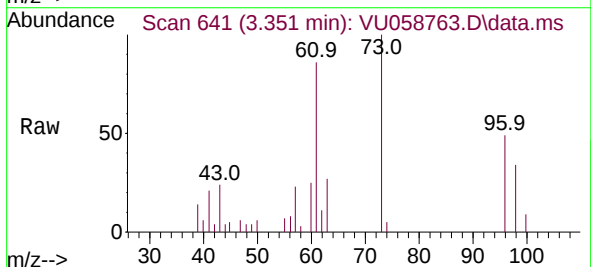


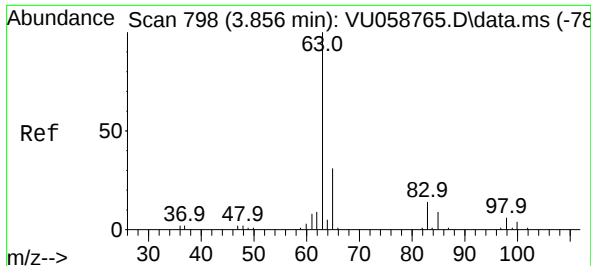
Tgt Ion: 73	Resp: 7721
Ion Ratio	Lower Upper
73 100	
43 20.5	17.7 26.5
57 22.1	17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 0.462 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

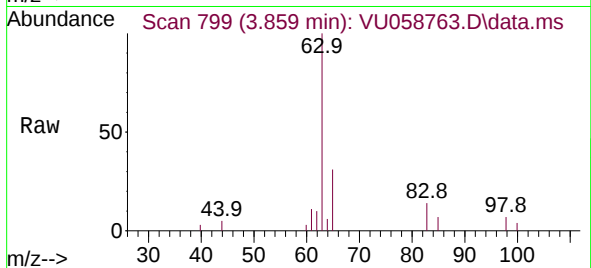
Tgt Ion: 96	Resp: 3332
Ion Ratio	Lower Upper
96 100	
61 175.4	108.6 201.8
98 69.9	44.4 82.4



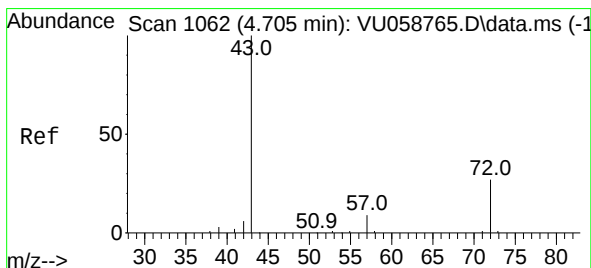
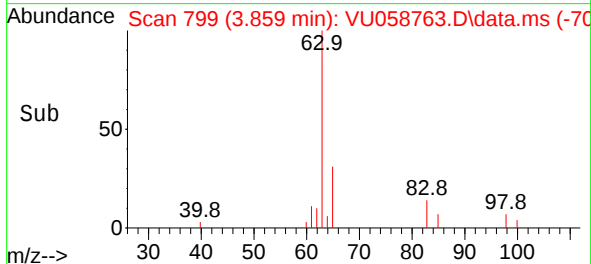
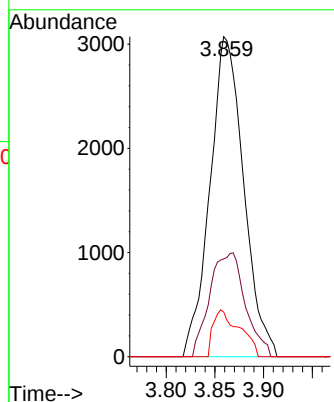


#19
1,1-Dichloroethane
Concen: 0.470 ug/L
RT: 3.859 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Instrument :
MSVOA_U
ClientSampleId :

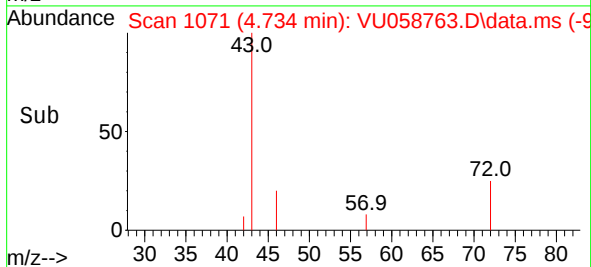
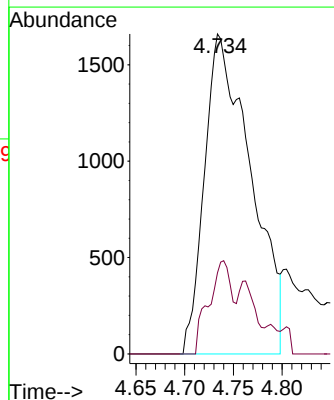
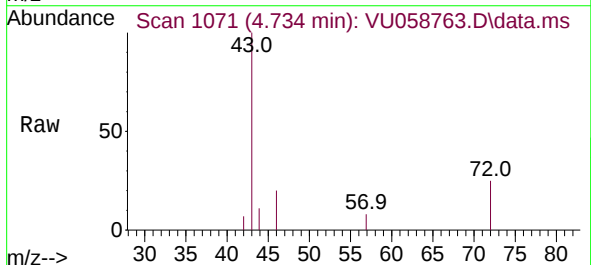


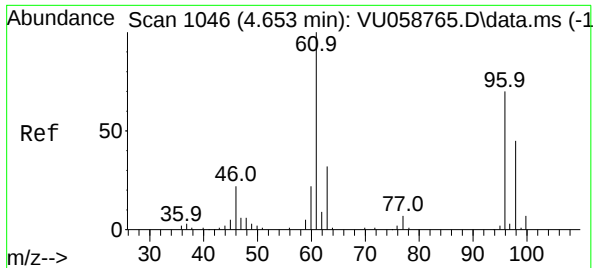
Tgt Ion:	63	Resp:	7385
Ion Ratio	Lower	Upper	
63	100		
65	30.6	21.6	40.2
83	13.9	9.5	17.7



#21
2-Butanone
Concen: 3.273 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.029 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion:	43	Resp:	5499
Ion Ratio	Lower	Upper	
43	100		
72	14.8	12.8	38.4

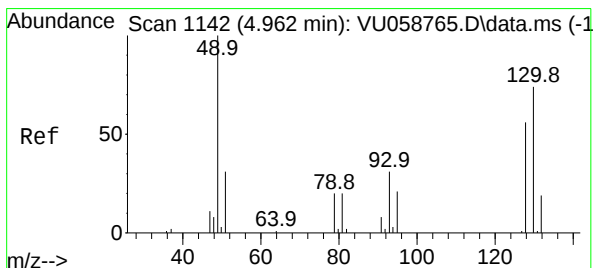
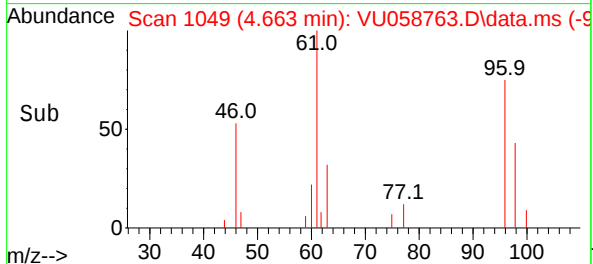
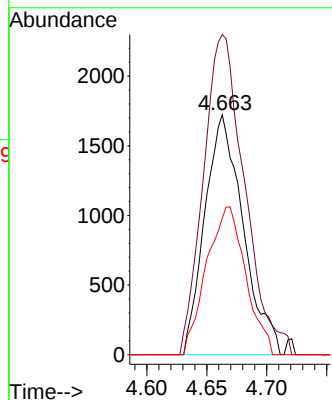
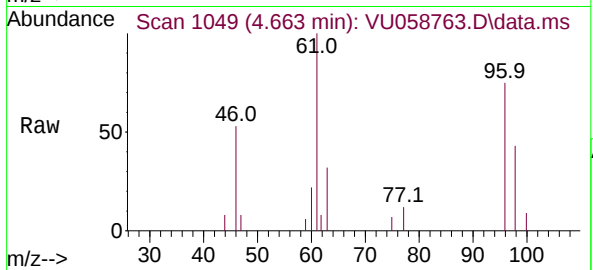




#22
cis-1,2-Dichloroethene
Concen: 0.475 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.010 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

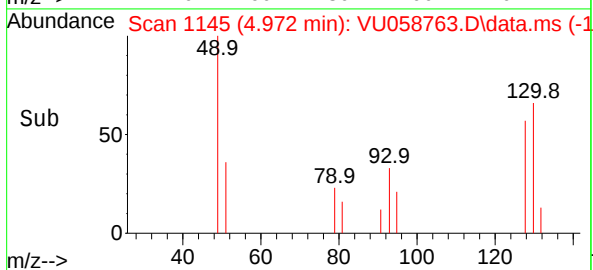
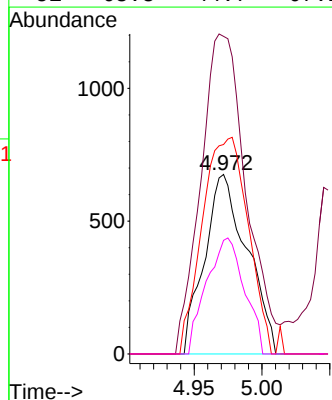
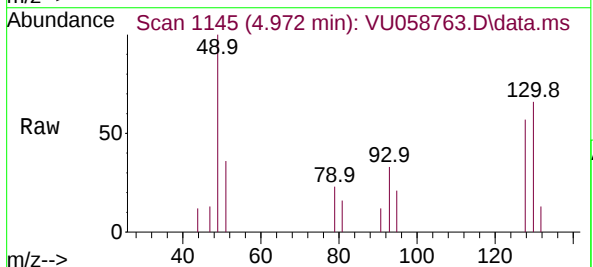
Instrument :
MSVOA_U
ClientSampleId :

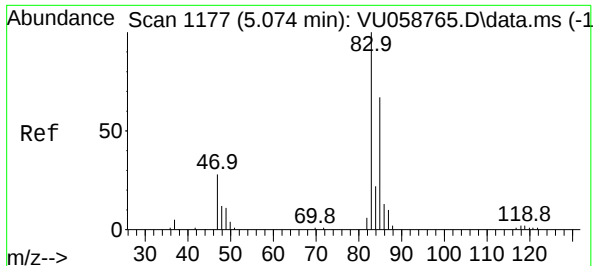
Tgt Ion: 96 Resp: 3825
Ion Ratio Lower Upper
96 100
61 133.4 100.4 186.4
98 57.0 45.1 83.7



#23
Bromochloromethane
Concen: 0.466 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.010 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion:128 Resp: 1480
Ion Ratio Lower Upper
128 100
49 176.9 129.1 239.7
130 116.7 92.1 171.1
51 63.3 44.7 67.1





#25

Chloroform

Concen: 0.518 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

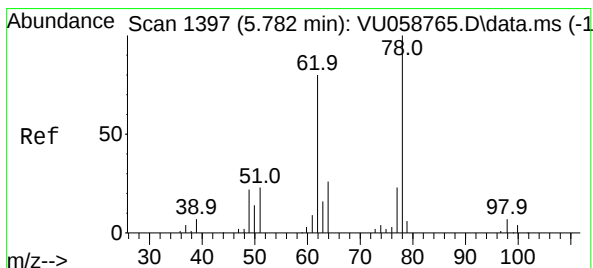
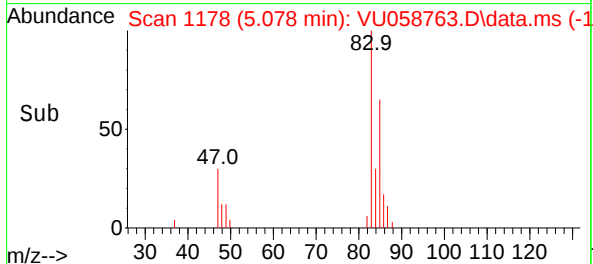
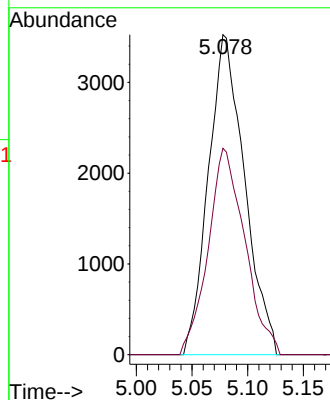
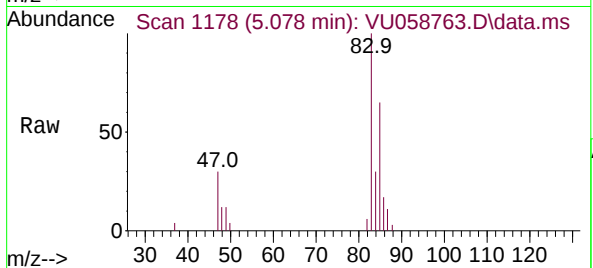
ClientSampleId :

Tgt Ion: 83 Resp: 7954

Ion Ratio Lower Upper

83 100

85 64.5 47.0 87.4



#27

1,2-Dichloroethane

Concen: 0.523 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.016 min

Lab File: VU058763.D

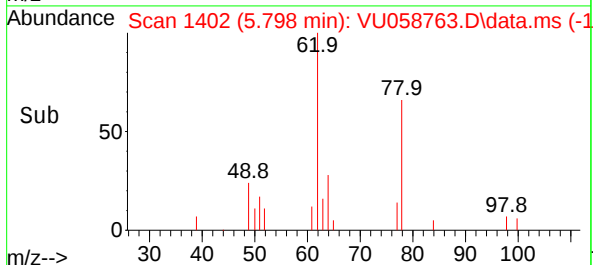
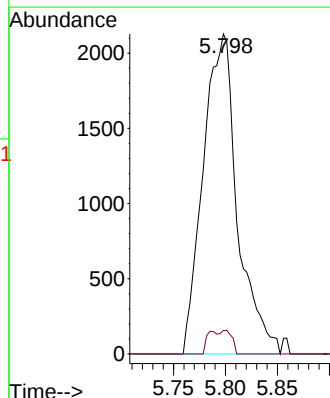
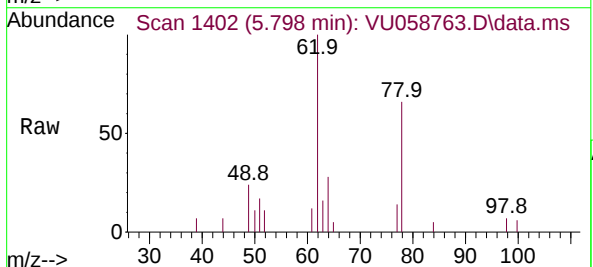
Acq: 22 Apr 2024 11:20

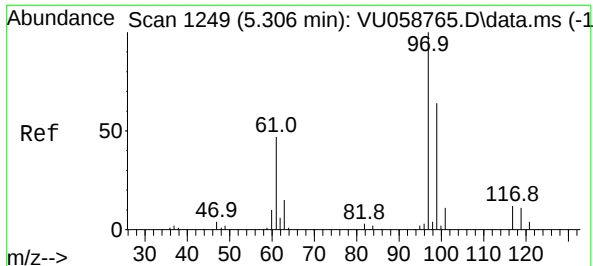
Tgt Ion: 62 Resp: 4871

Ion Ratio Lower Upper

62 100

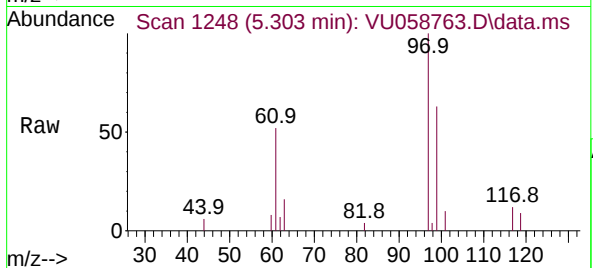
98 7.3 6.7 10.1



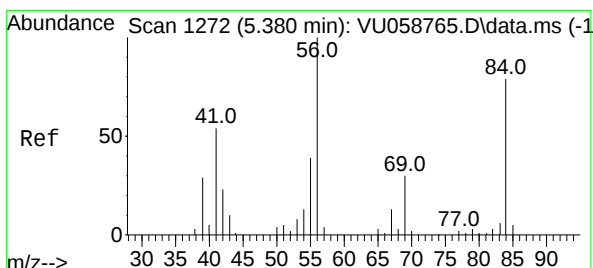
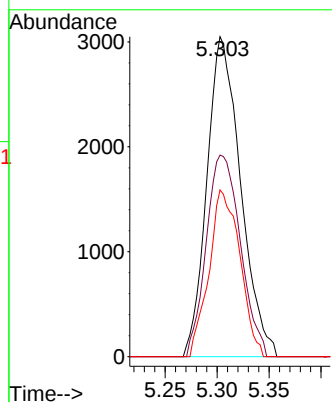
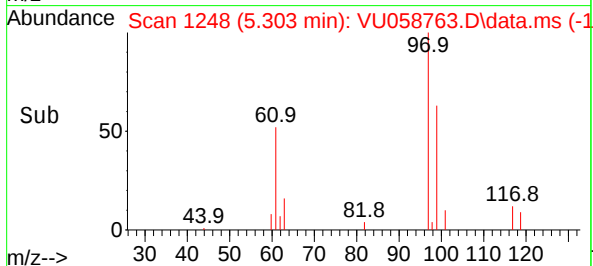


#29
1,1,1-Trichloroethane
Concen: 0.540 ug/L
RT: 5.303 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Instrument :
MSVOA_U
ClientSampleId :

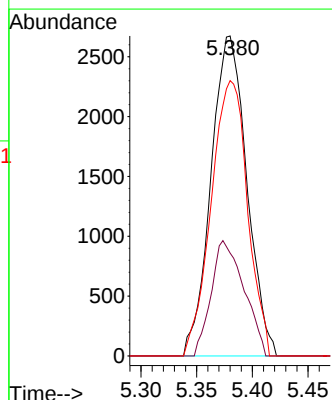
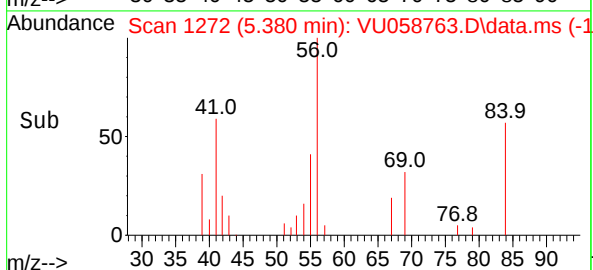
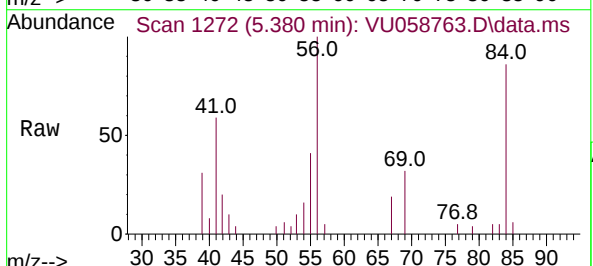


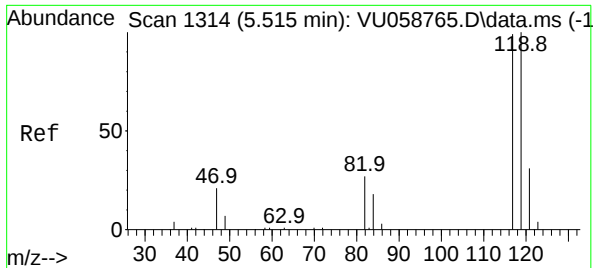
Tgt Ion: 97 Resp: 6877
Ion Ratio Lower Upper
97 100
99 63.8 50.5 75.7
61 47.7 37.3 55.9



#30
Cyclohexane
Concen: 0.455 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion: 56 Resp: 5985
Ion Ratio Lower Upper
56 100
69 33.0 23.7 35.5
84 87.2 64.2 96.4

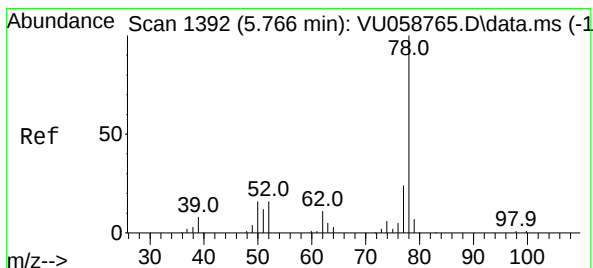
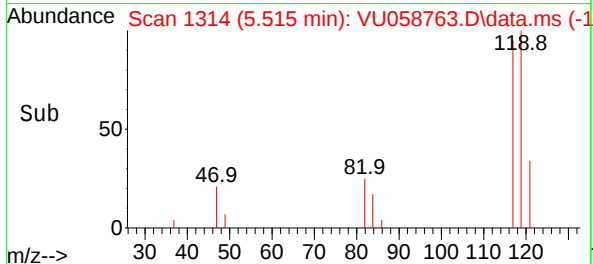
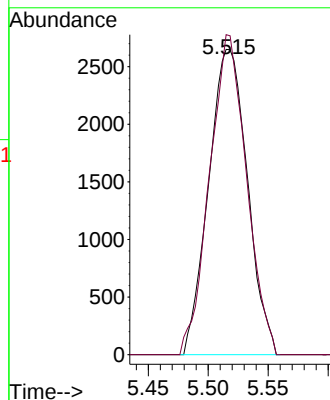
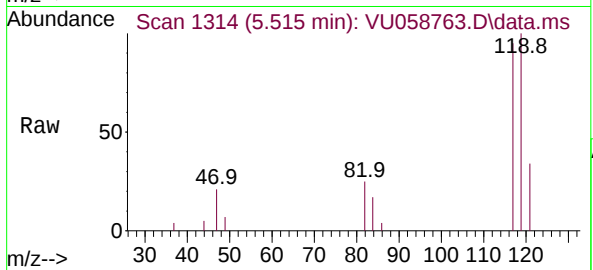




#31
Carbon tetrachloride
Concen: 0.548 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

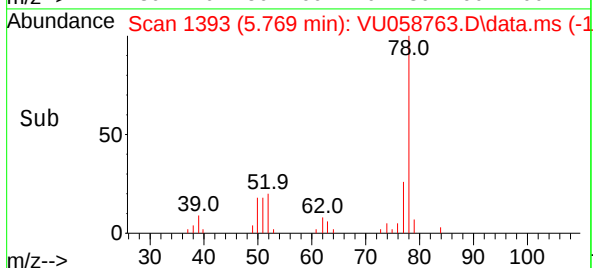
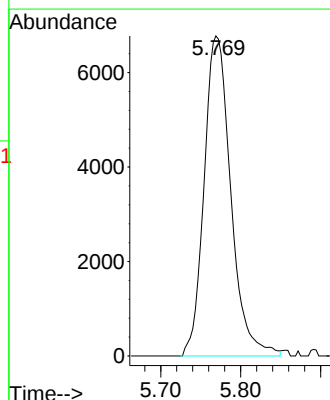
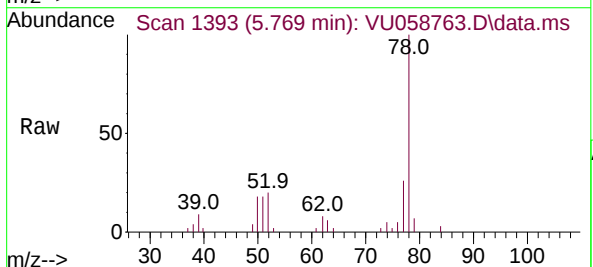
Instrument :
MSVOA_U
ClientSampleId :

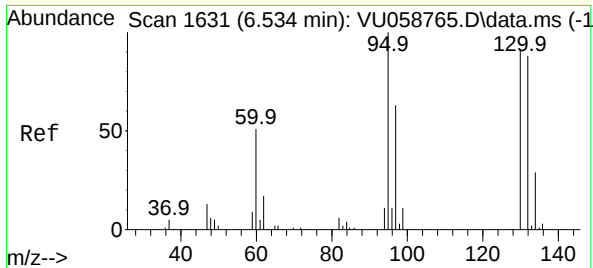
Tgt Ion:117 Resp: 5962
Ion Ratio Lower Upper
117 100
119 99.7 77.0 115.4



#33
Benzene
Concen: 0.473 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

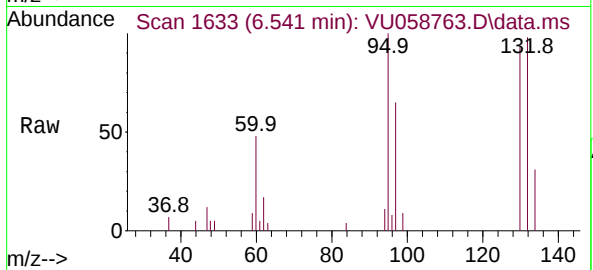
Tgt Ion: 78 Resp: 15749



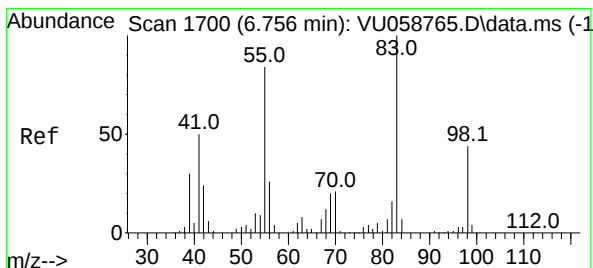
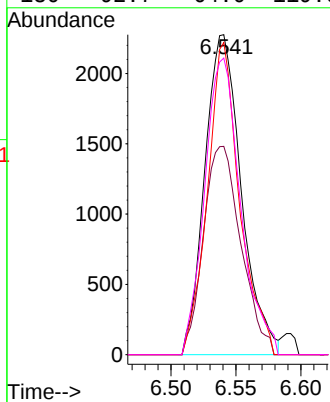
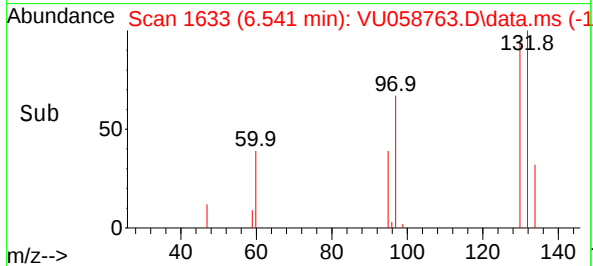


#34
Trichloroethene
Concen: 0.522 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Instrument :
MSVOA_U
ClientSampleId :

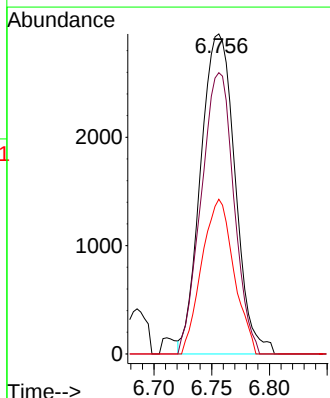
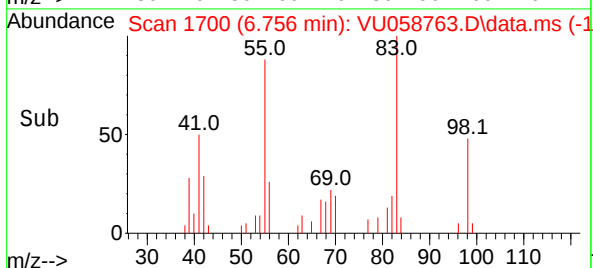
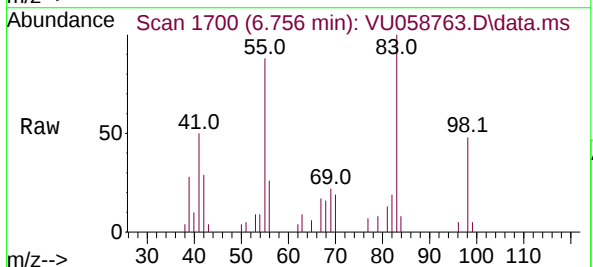


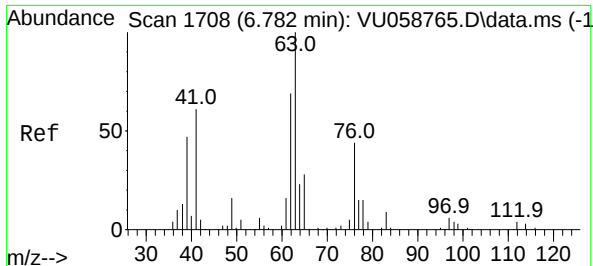
Tgt Ion: 95 Resp: 4448
Ion Ratio Lower Upper
95 100
97 65.1 44.4 82.4
132 97.5 61.6 114.4
130 92.7 64.0 119.0



#35
Methylcyclohexane
Concen: 0.478 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion: 83 Resp: 6119
Ion Ratio Lower Upper
83 100
55 83.5 66.6 100.0
98 45.0 35.4 53.2





#37

1,2-Dichloropropane

Concen: 0.486 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

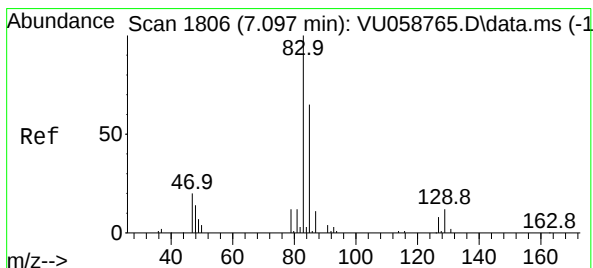
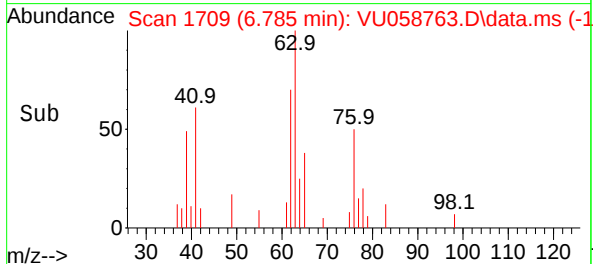
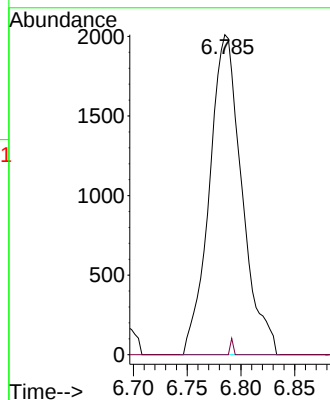
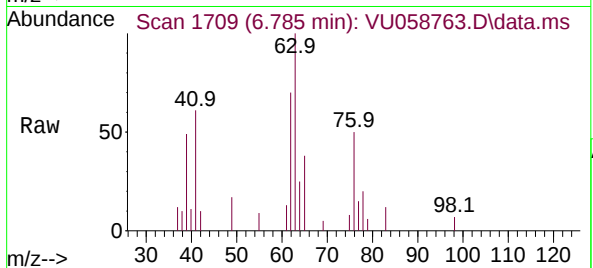
ClientSampleId :

Tgt Ion: 63 Resp: 4234

Ion Ratio Lower Upper

63 100

112 0.5 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.513 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

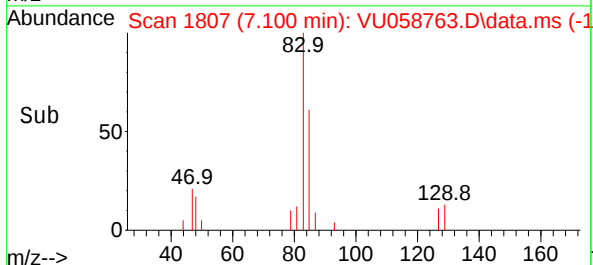
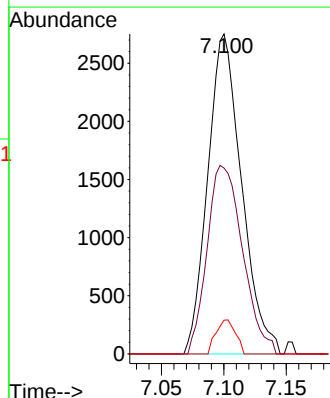
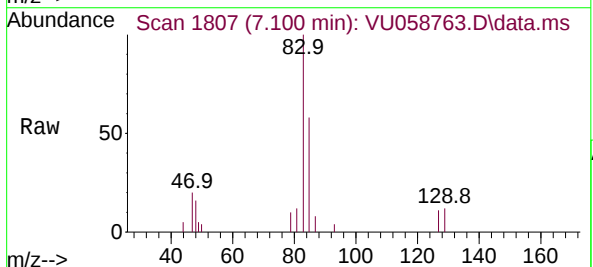
Tgt Ion: 83 Resp: 5204

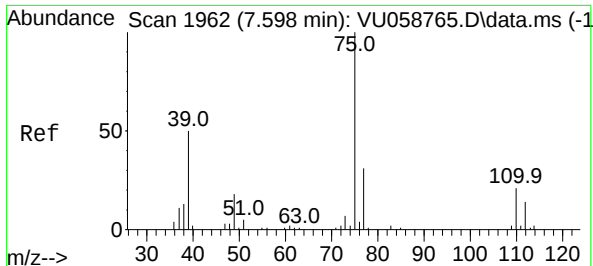
Ion Ratio Lower Upper

83 100

85 58.1 45.2 84.0

127 10.5 6.3 9.5#

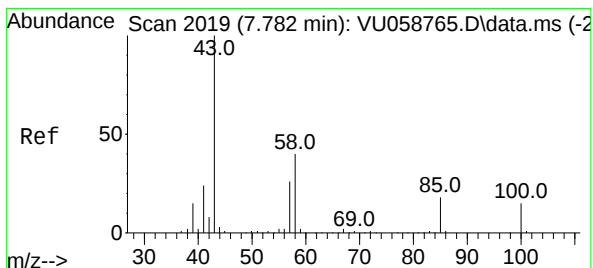
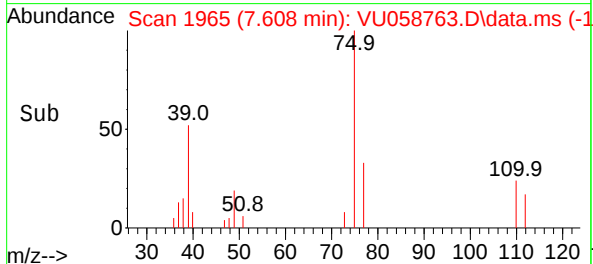
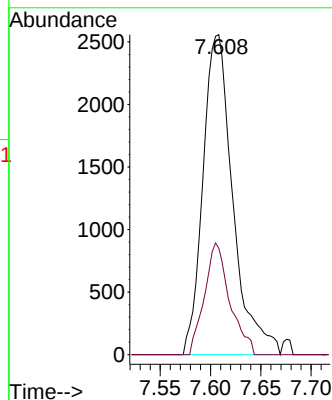
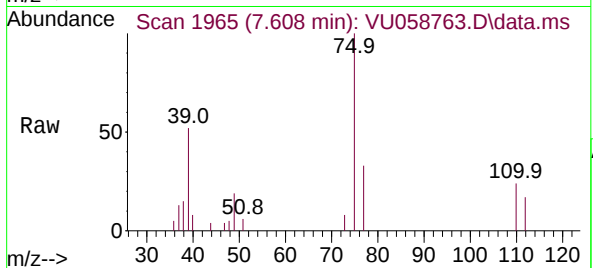




#39
 cis-1,3-Dichloropropene
 Concen: 0.466 ug/L
 RT: 7.608 min Scan# 1962
 Delta R.T. 0.010 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

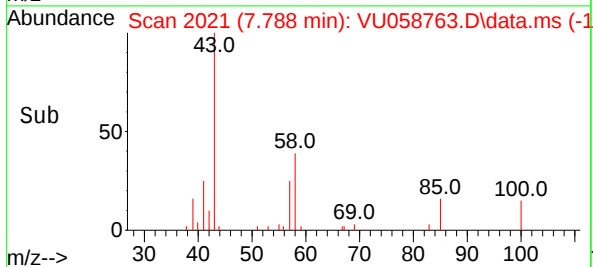
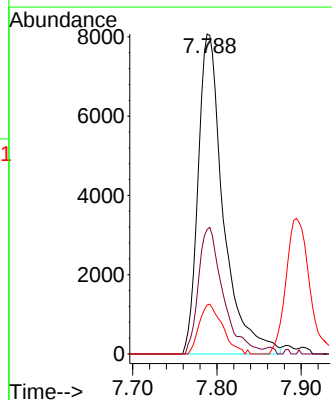
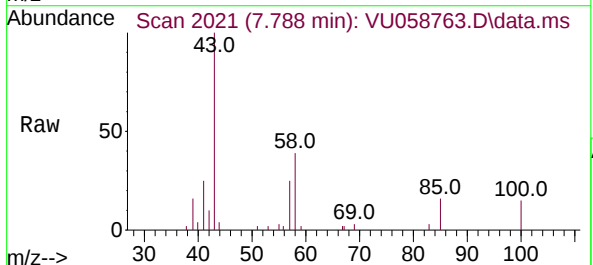
Instrument :
 MSVOA_U
 ClientSampleId :

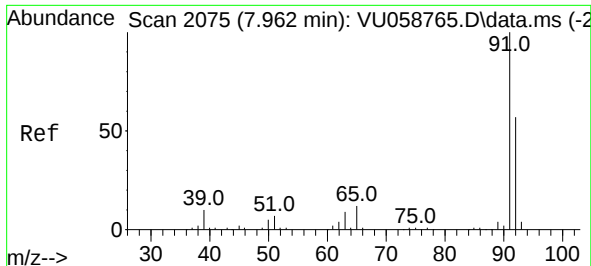
Tgt Ion: 75 Resp: 5294
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 4.133 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU058763.D
 Acq: 22 Apr 2024 11:20

Tgt Ion: 43 Resp: 16827
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3
 100 14.4 11.4 17.0





#42

Toluene

Concen: 0.442 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

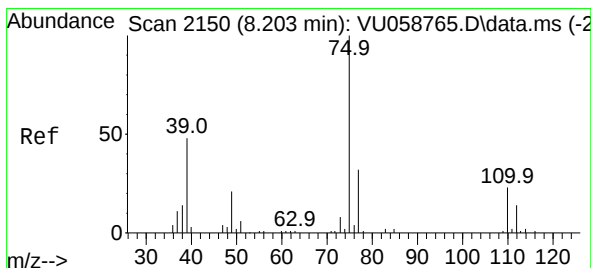
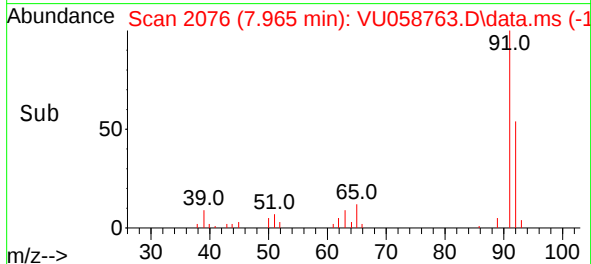
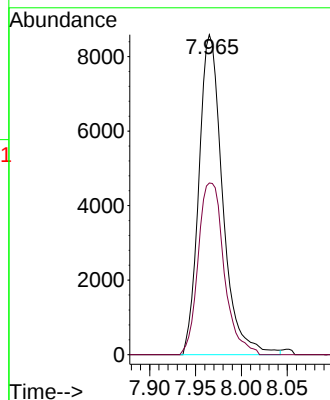
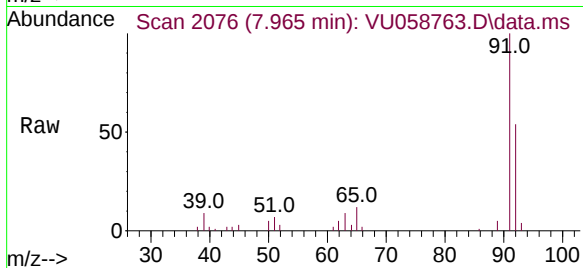
ClientSampleId :

Tgt Ion: 91 Resp: 15457

Ion Ratio Lower Upper

91 100

92 53.7 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.437 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU058763.D

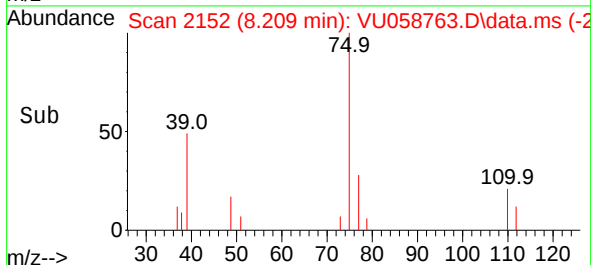
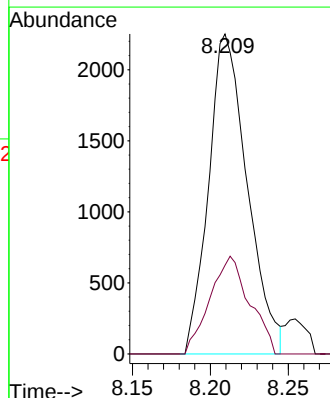
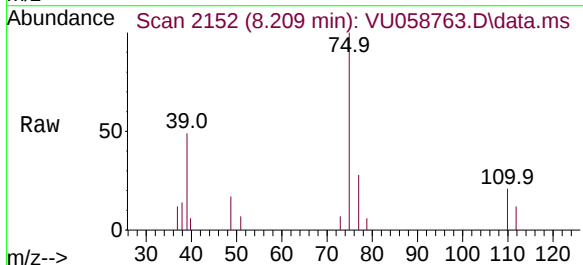
Acq: 22 Apr 2024 11:20

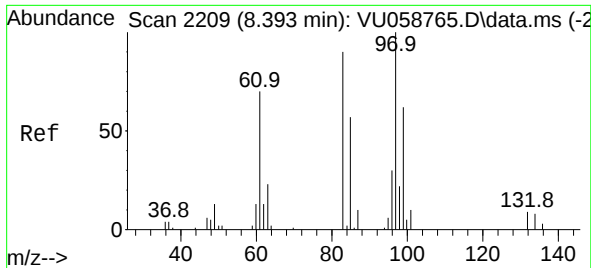
Tgt Ion: 75 Resp: 3890

Ion Ratio Lower Upper

75 100

77 27.7 22.1 41.1

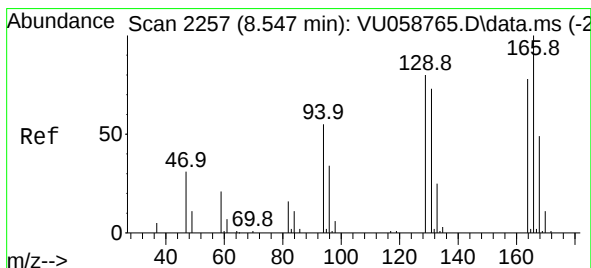
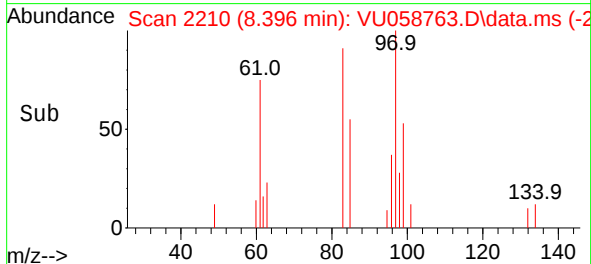
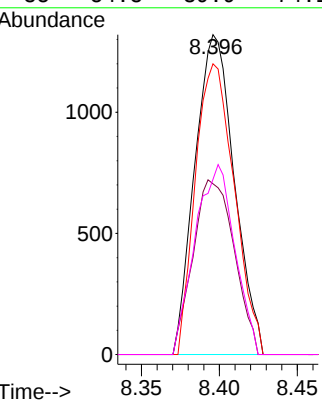
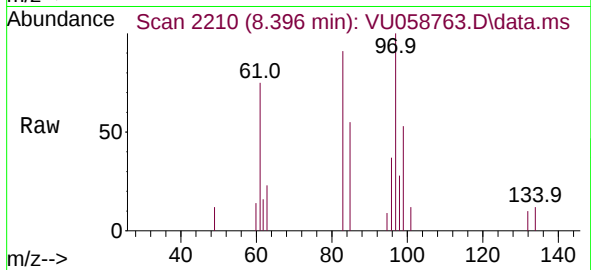




#45
1,1,2-Trichloroethane
Concen: 0.453 ug/L
RT: 8.396 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

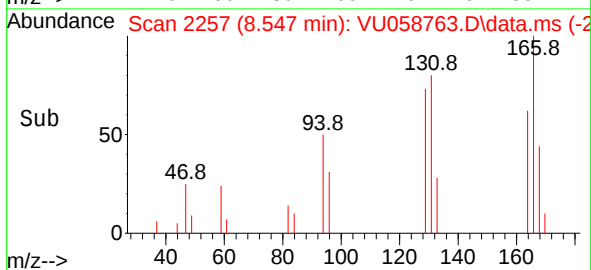
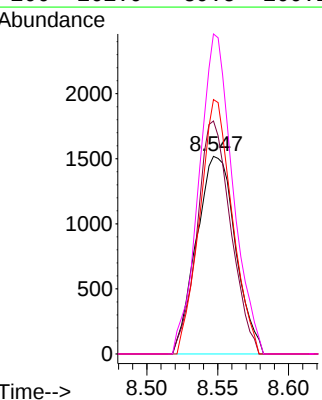
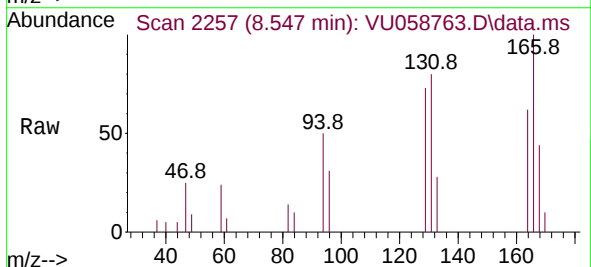
Instrument :
MSVOA_U
ClientSampleId :

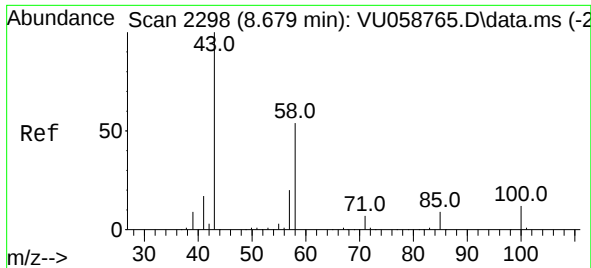
Tgt Ion: 97	Resp: 2317
Ion Ratio	Lower Upper
97 100	
99 53.4	43.7 81.1
83 90.9	62.9 116.9
85 54.8	39.9 74.1



#47
Tetrachloroethene
Concen: 0.468 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

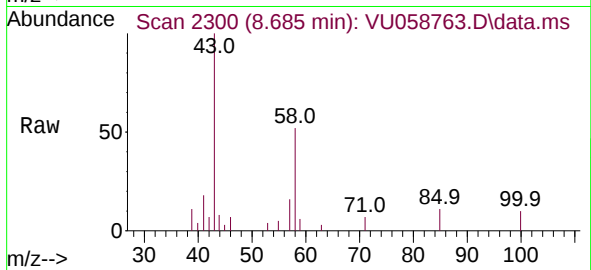
Tgt	Ion:164	Resp:	2906
Ion	Ratio	Lower	Upper
164	100		
129	117.8	71.5	132.9
131	128.7	65.0	120.6#
166	161.9	89.5	166.1



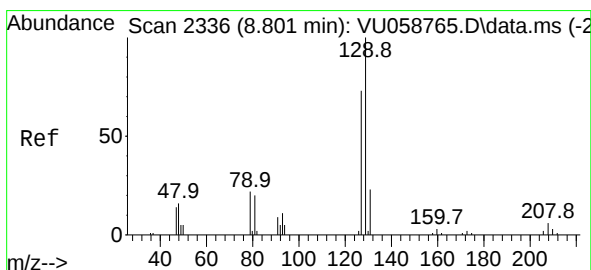
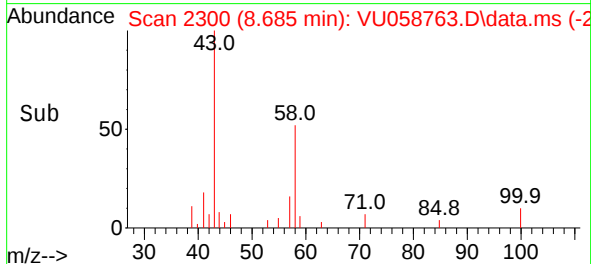
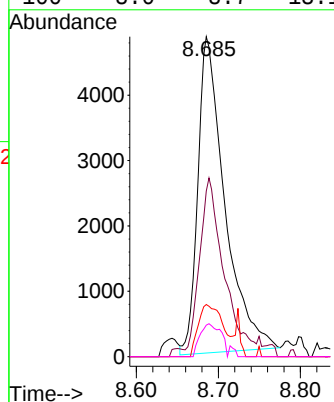


#48
2-Hexanone
Concen: 3.821 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.007 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Instrument :
MSVOA_U
ClientSampleId :

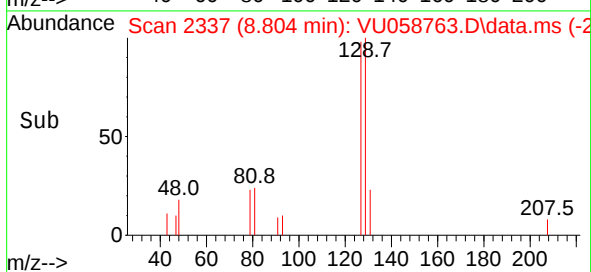
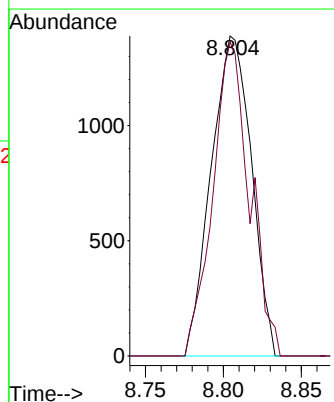
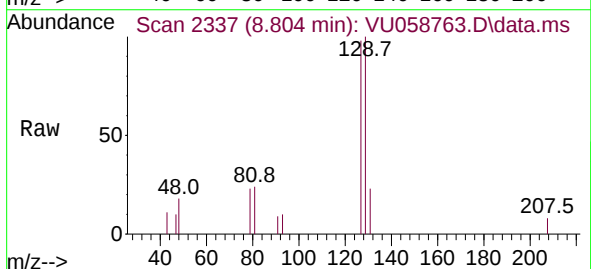


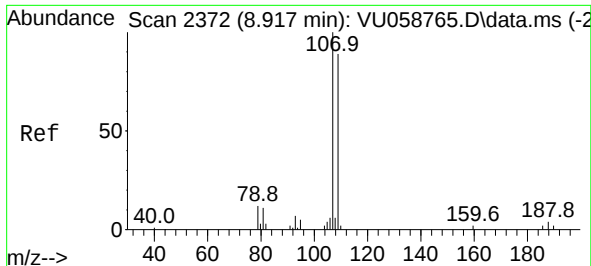
Tgt Ion: 43 Resp: 11000
Ion Ratio Lower Upper
43 100
58 51.3 43.7 65.5
57 14.7 15.0 22.4#
100 8.0 8.7 13.1#



#49
Dibromochloromethane
Concen: 0.422 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion: 129 Resp: 2494
Ion Ratio Lower Upper
129 100
127 98.1 51.0 94.8#

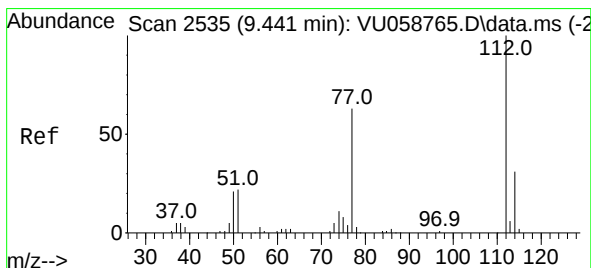
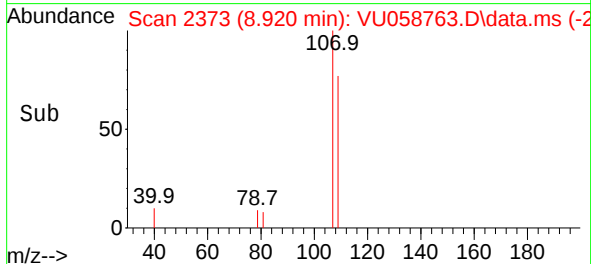
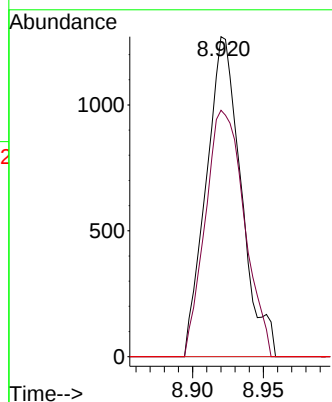
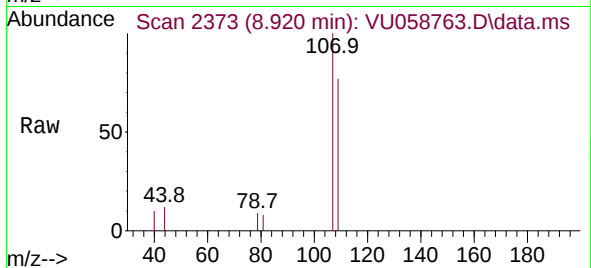




#50
1,2-Dibromoethane
Concen: 0.466 ug/L
RT: 8.920 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

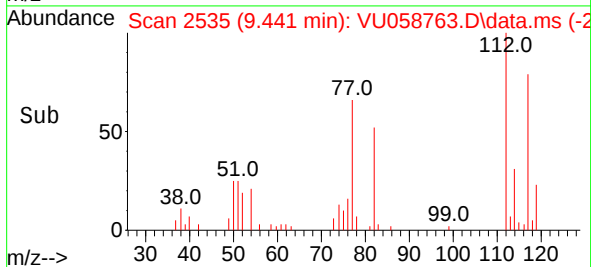
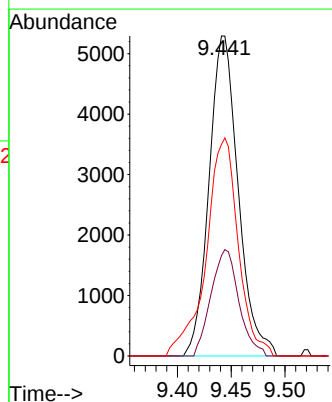
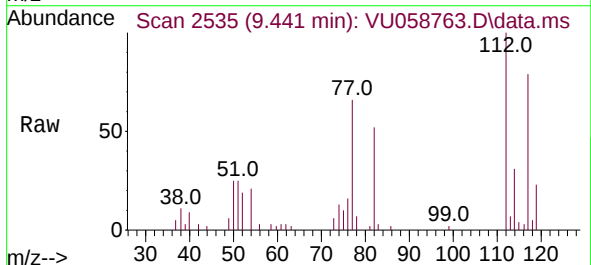
Instrument :
MSVOA_U
ClientSampleId :

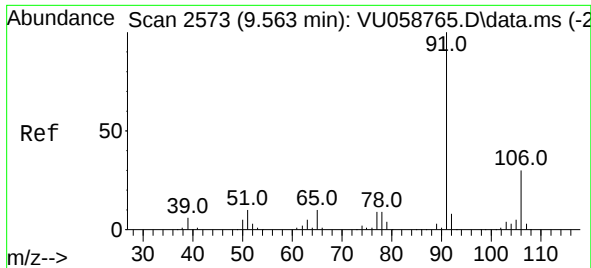
Tgt Ion:107 Resp: 2179
Ion Ratio Lower Upper
107 100
109 77.0 62.3 115.7
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 0.474 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion:112 Resp: 10005
Ion Ratio Lower Upper
112 100
114 31.3 21.7 40.3
77 66.1 50.5 75.7

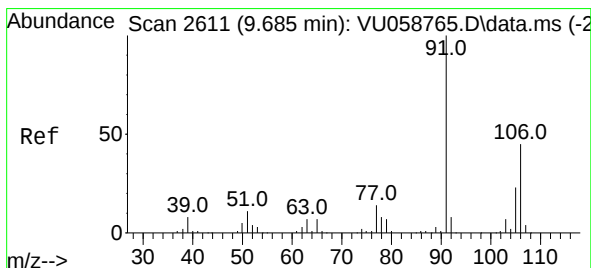
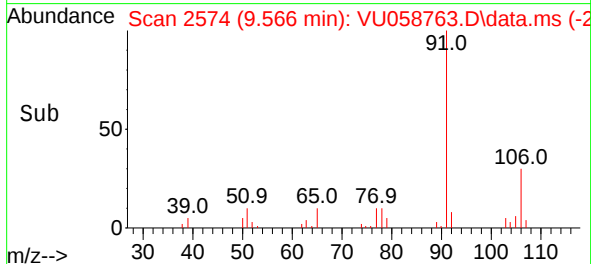
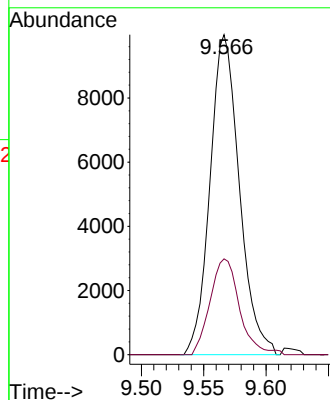
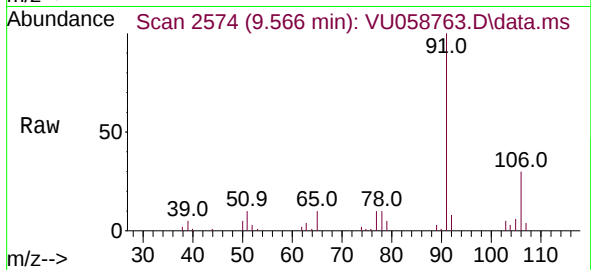




#52
Ethylbenzene
Concen: 0.438 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

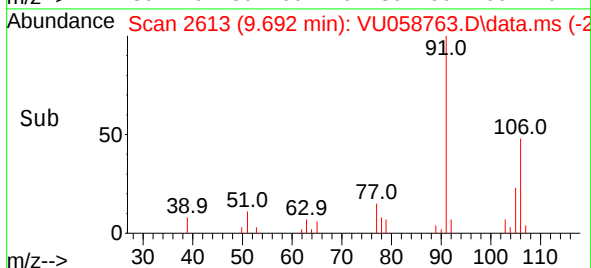
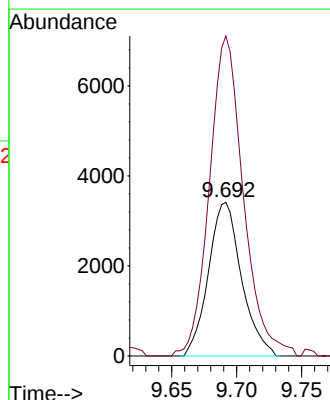
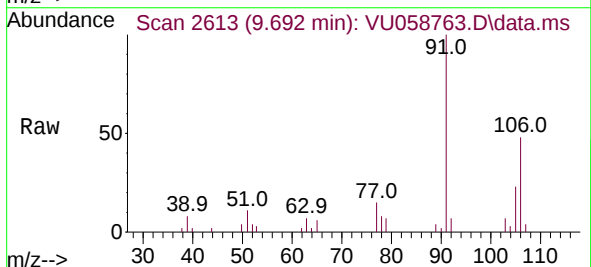
Instrument :
MSVOA_U
ClientSampleId :

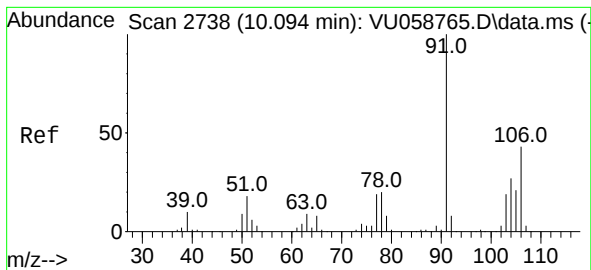
Tgt Ion: 91 Resp: 16346
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-Xylene
Concen: 0.453 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU058763.D
Acq: 22 Apr 2024 11:20

Tgt Ion:106 Resp: 6037
Ion Ratio Lower Upper
106 100
91 208.0 155.1 288.1





#54

o-Xylene

Concen: 0.435 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

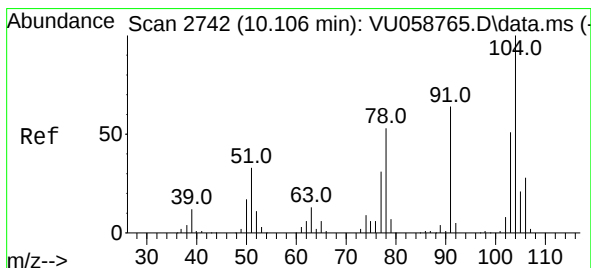
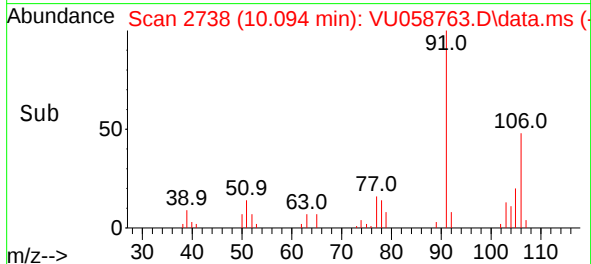
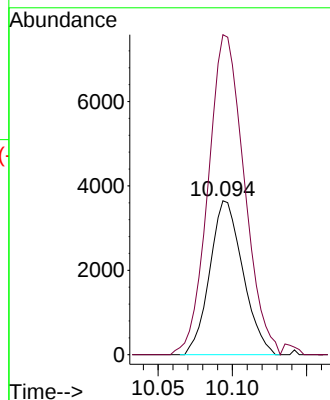
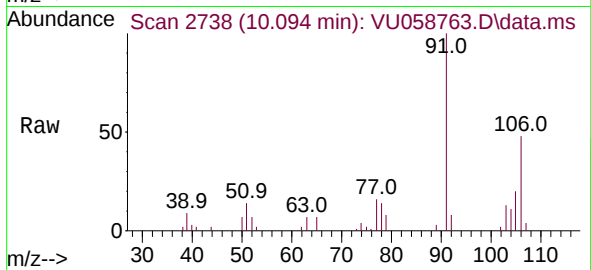
ClientSampleId :

Tgt Ion:106 Resp: 5653

Ion Ratio Lower Upper

106 100

91 207.8 163.7 304.1



#55

Styrene

Concen: 0.416 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.010 min

Lab File: VU058763.D

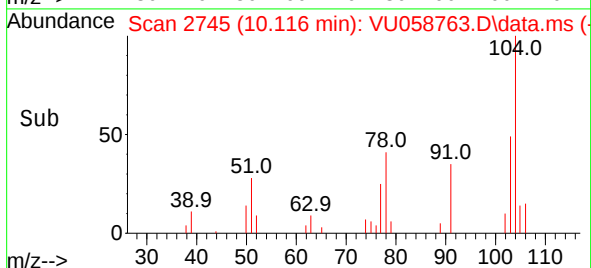
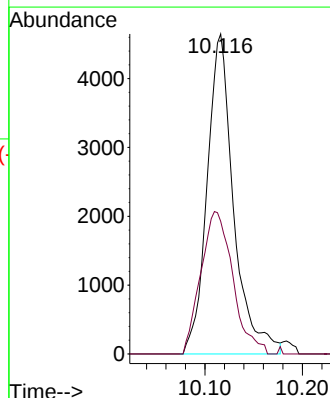
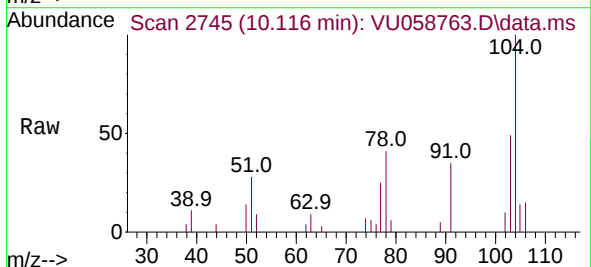
Acq: 22 Apr 2024 11:20

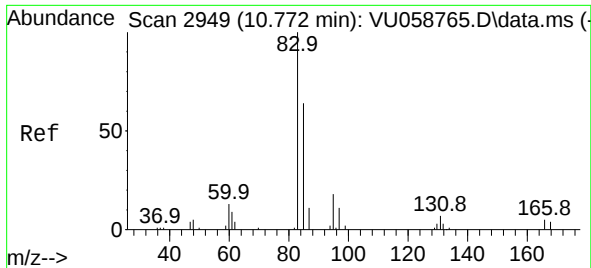
Tgt Ion:104 Resp: 8776

Ion Ratio Lower Upper

104 100

78 41.4 37.1 68.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.428 ug/L

RT: 10.778 min Scan# 2949

Delta R.T. 0.006 min

Lab File: VU058763.D

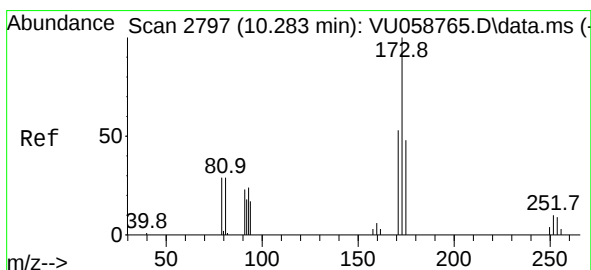
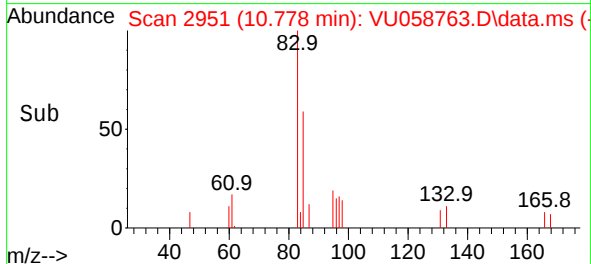
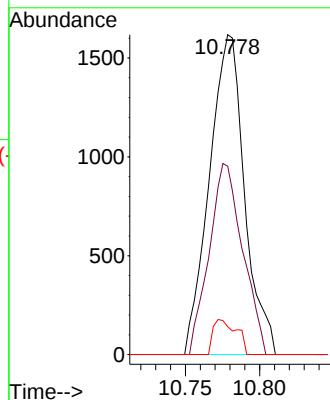
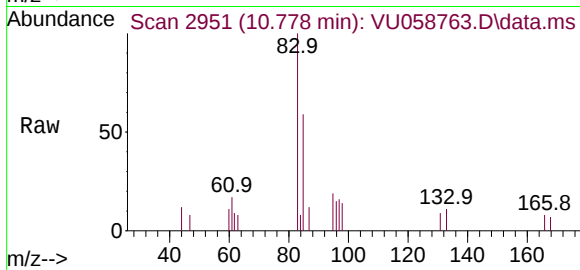
Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	2663
Ion	Ratio	Lower	Upper
83	100		
85	58.9	44.6	82.8
131	8.7	6.7	10.1



#59

Bromoform

Concen: 0.563 ug/L

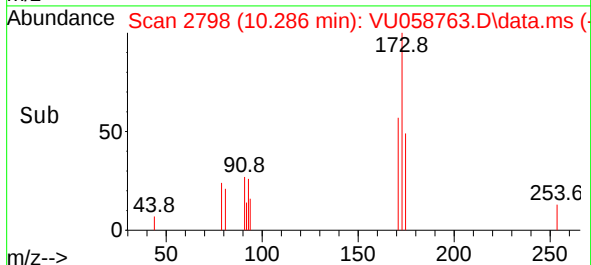
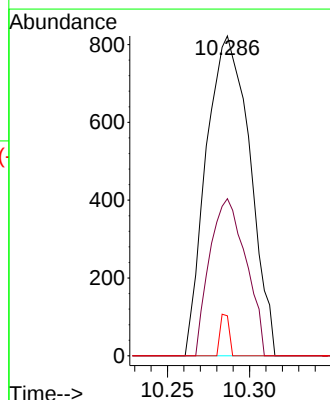
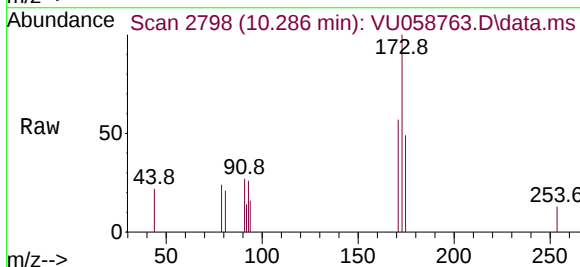
RT: 10.286 min Scan# 2798

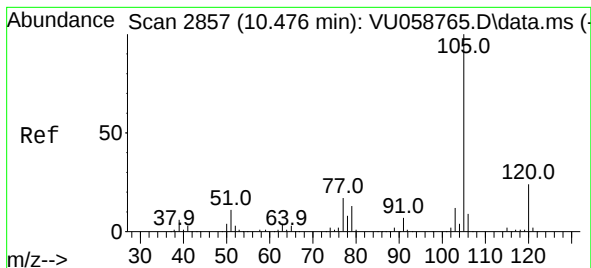
Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Tgt Ion:	173	Resp:	1518
Ion	Ratio	Lower	Upper
173	100		
175	40.8	39.3	58.9
254	2.7	7.5	11.3#





#60

Isopropylbenzene

Concen: 0.520 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058763.D

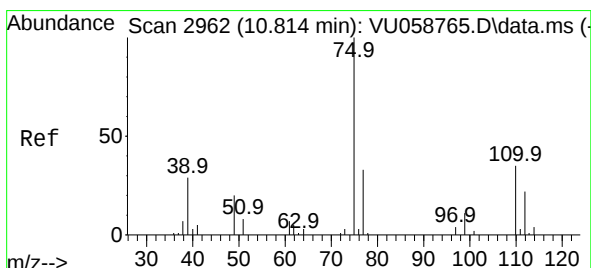
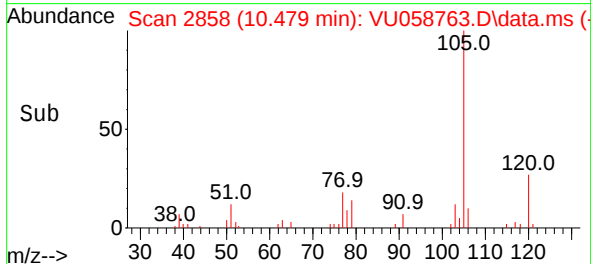
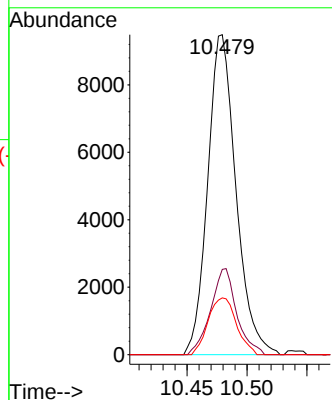
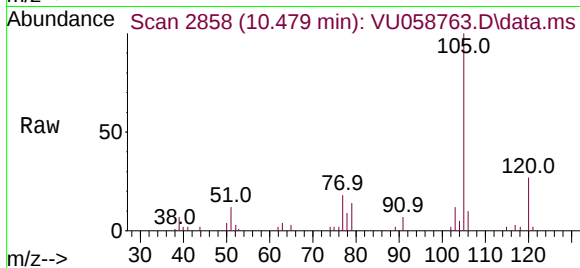
Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	15555
Ion Ratio	Lower	Upper	
105	100		
120	24.7	19.6	29.4
77	17.7	13.8	20.8



#61

1,2,3-Trichloropropane

Concen: 0.480 ug/L

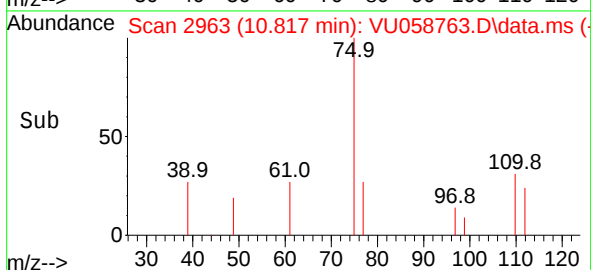
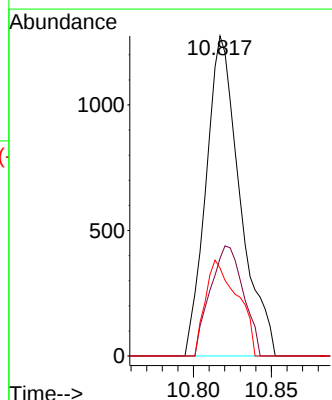
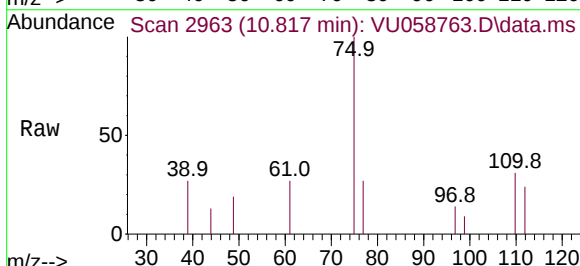
RT: 10.817 min Scan# 2963

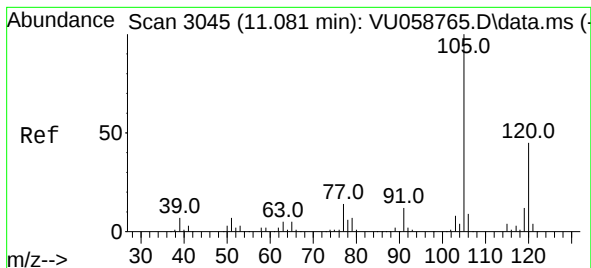
Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Tgt Ion:	75	Resp:	1927
Ion Ratio	Lower	Upper	
75	100		
110	33.5	28.6	43.0
77	28.1	25.4	38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.510 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

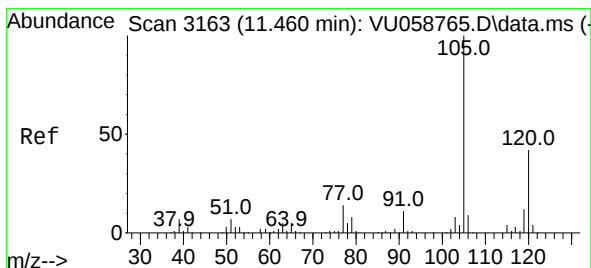
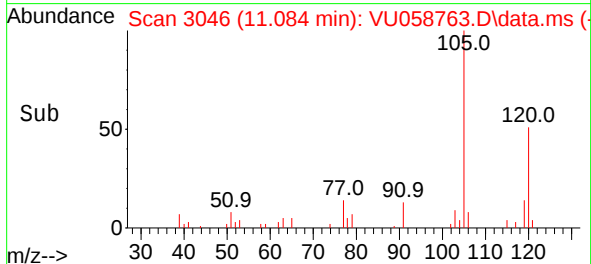
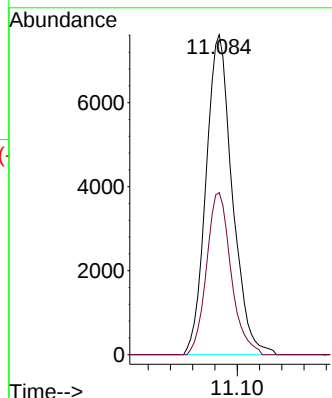
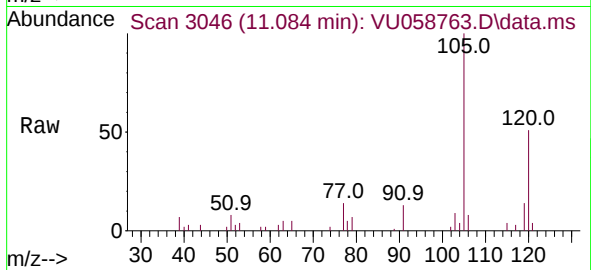
ClientSampleId :

Tgt Ion:105 Resp: 12492

Ion Ratio Lower Upper

105 100

120 47.2 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 0.450 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058763.D

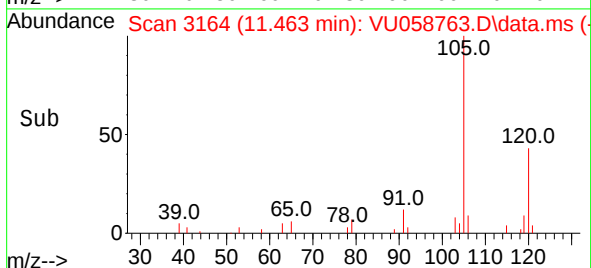
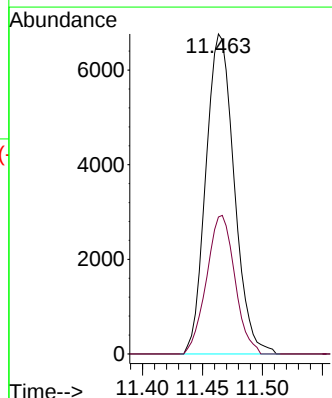
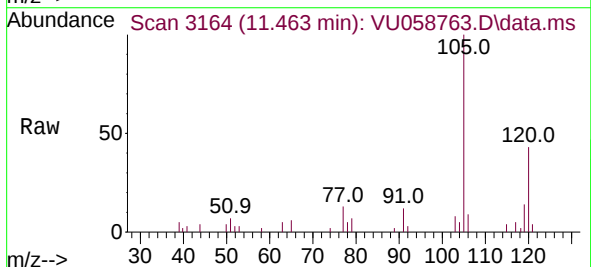
Acq: 22 Apr 2024 11:20

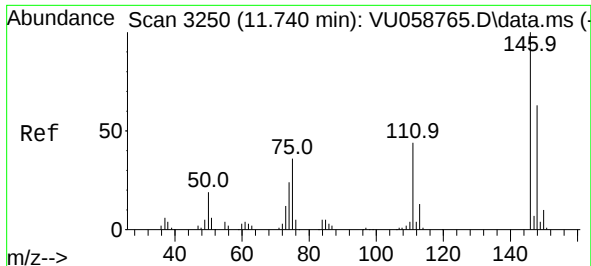
Tgt Ion:105 Resp: 11117

Ion Ratio Lower Upper

105 100

120 43.2 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 0.506 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :

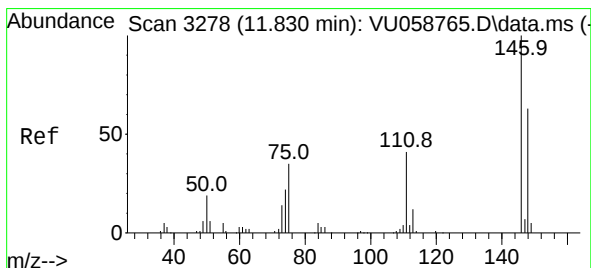
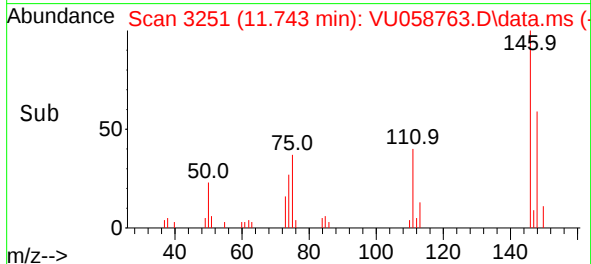
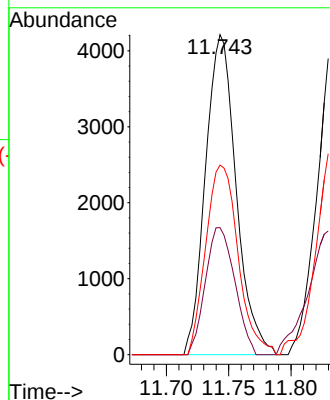
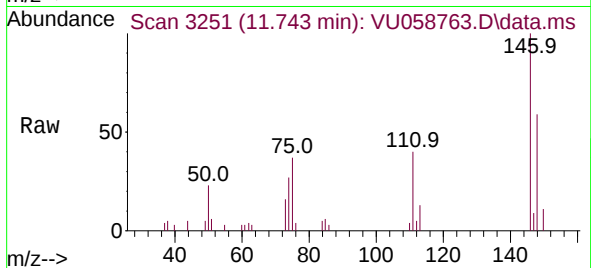
Tgt Ion:146 Resp: 7217

Ion Ratio Lower Upper

146 100

111 39.7 30.9 57.3

148 59.2 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 0.502 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

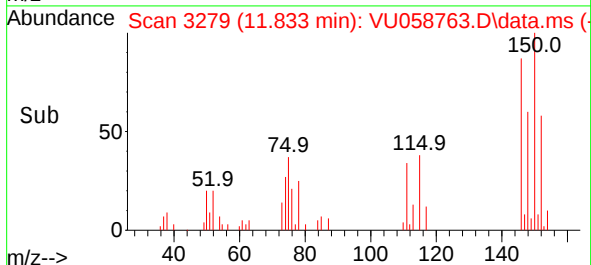
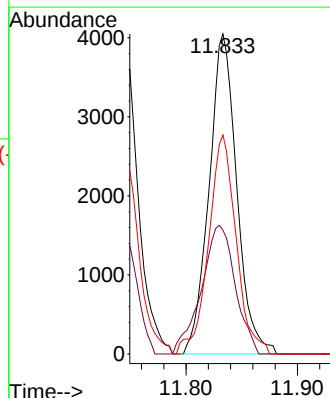
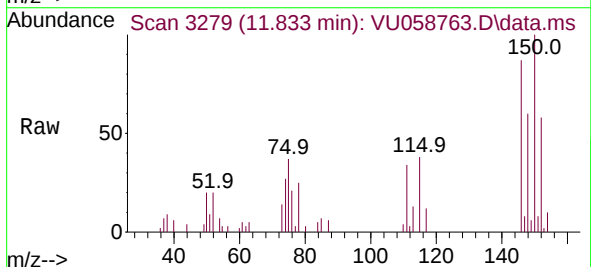
Tgt Ion:146 Resp: 6989

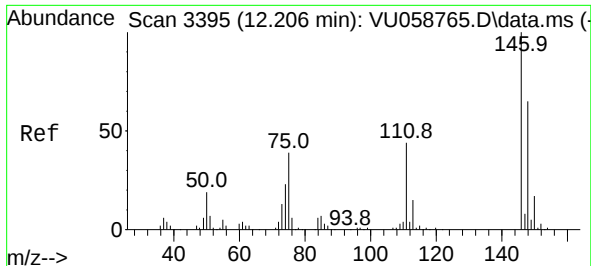
Ion Ratio Lower Upper

146 100

111 38.7 29.3 54.3

148 68.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 0.469 ug/L

RT: 12.212 min Scan# 3412

Delta R.T. 0.007 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :

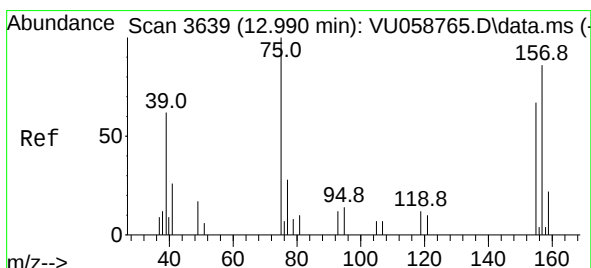
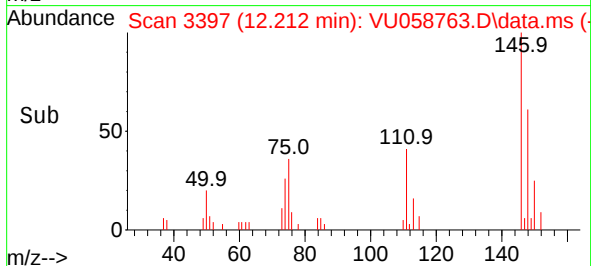
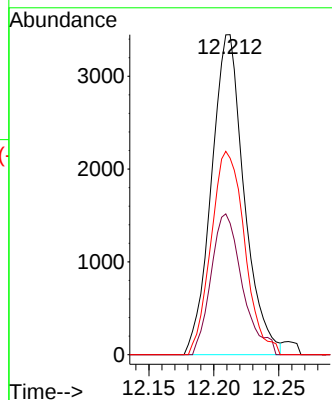
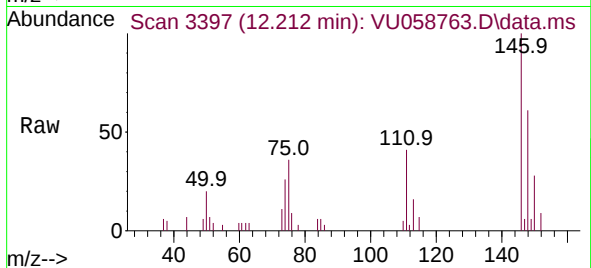
Tgt Ion:146 Resp: 6031

Ion Ratio Lower Upper

146 100

111 41.0 35.7 53.5

148 61.4 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.173 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.010 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

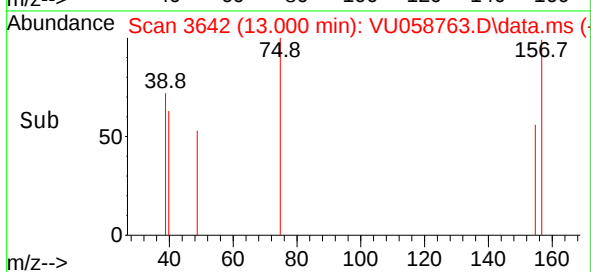
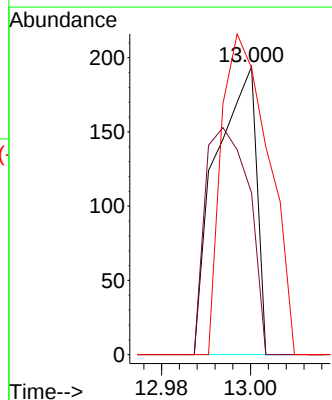
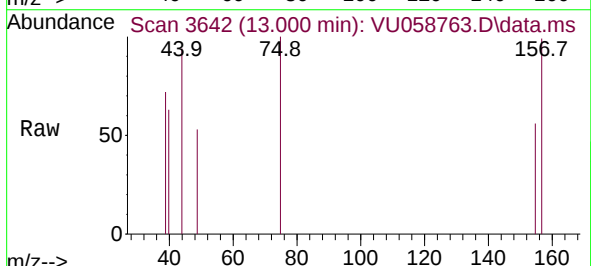
Tgt Ion: 75 Resp: 122

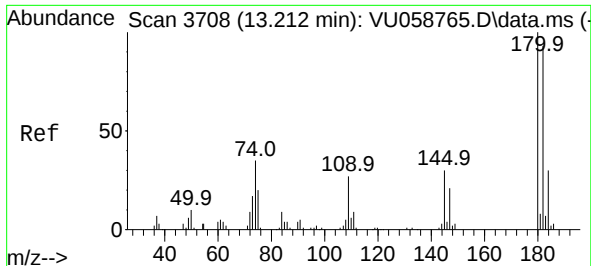
Ion Ratio Lower Upper

75 100

155 56.2 53.6 80.4

157 99.5 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 0.457 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

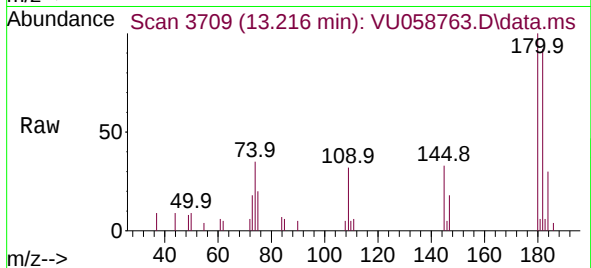
Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4798

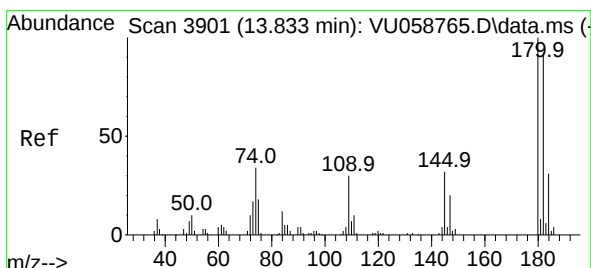
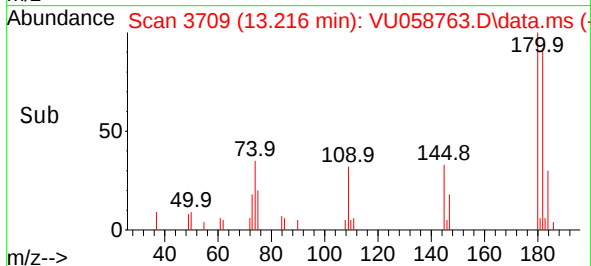
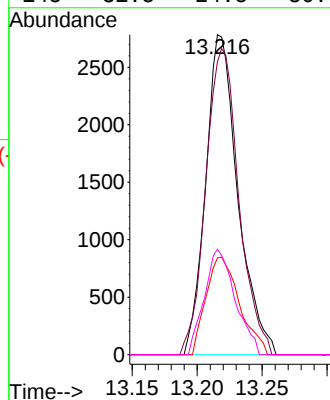
Ion Ratio Lower Upper

180 100

182 98.2 75.9 113.9

184 31.7 24.7 37.1

145 31.5 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 0.390 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

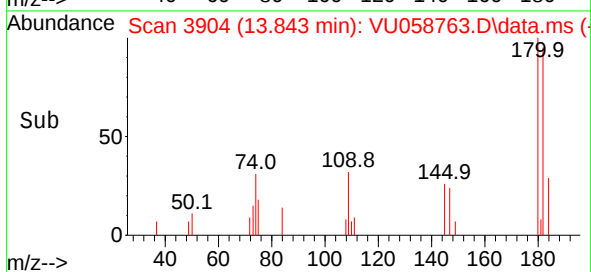
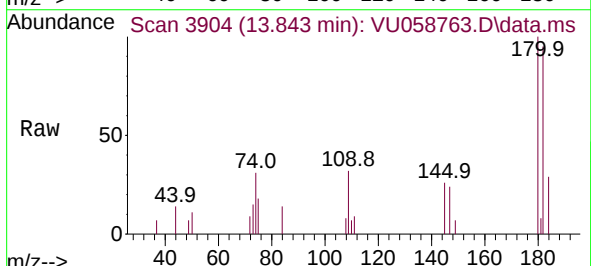
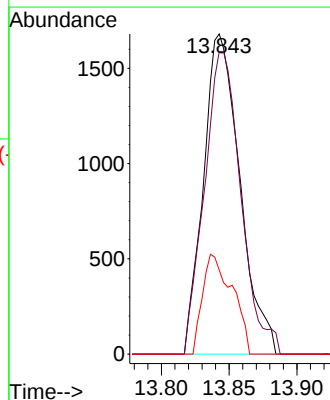
Tgt Ion:180 Resp: 3139

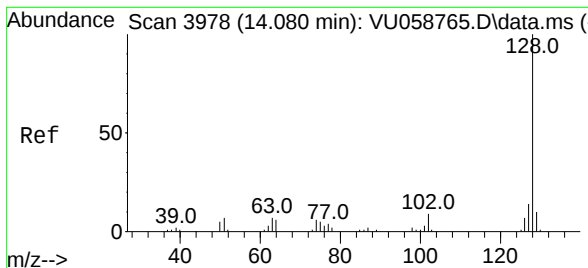
Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

145 25.4 25.7 38.5#





#71

Naphthalene

Concen: 0.356 ug/L

RT: 14.097 min Scan# 3978

Delta R.T. 0.016 min

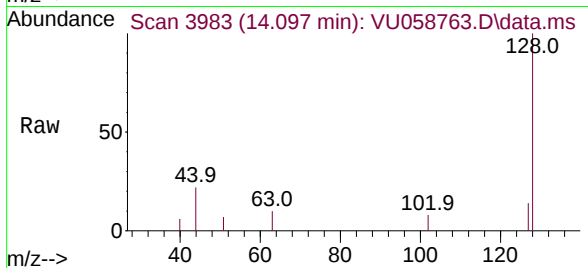
Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Instrument :

MSVOA_U

ClientSampleId :



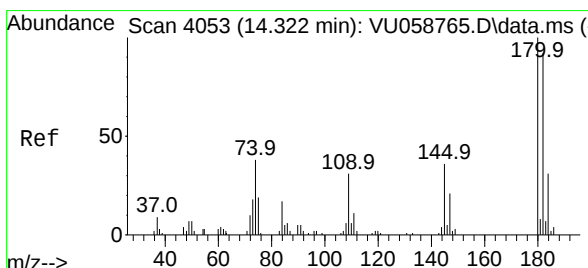
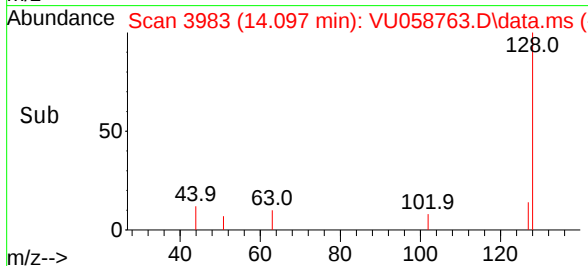
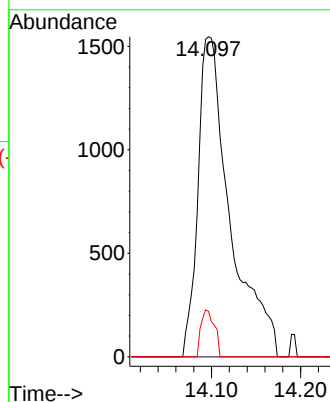
Tgt Ion:128 Resp: 3890

Ion Ratio Lower Upper

128 100

129 0.0 8.2 12.4#

127 6.1 10.8 16.2#



#72

1,2,3-Trichlorobenzene

Concen: 0.375 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU058763.D

Acq: 22 Apr 2024 11:20

Tgt Ion:180 Resp: 2480

Ion Ratio Lower Upper

180 100

182 107.1 75.0 112.6

145 31.0 27.6 41.4

