

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102524\
 Data File : VU061257.D
 Acq On : 26 Oct 2024 04:27
 Operator : MD/SY
 Sample : P4560-12MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 05:09:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 26 01:22:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	183505	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	166102	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79765	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	48437	3.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.910	69	43348	3.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.560	65	22253	4.172	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.400%
20) 2-Butanone-d5	4.631	46	124200	49.074	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.140%
24) Chloroform-d	5.052	84	113310	4.789	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.692	65	56831	4.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.717	84	224011	4.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.682	67	66860	4.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.891	98	206874	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	8.174	79	25706	4.475	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.624	63	114750	48.778	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.560%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	53117	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	70017	4.957	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	62350	5.097	ug/L	98
3) Chloromethane	1.515	50	61057	4.733	ug/L	100
5) Vinyl chloride	1.599	62	69584	4.906	ug/L	98
6) Bromomethane	1.853	94	47191	5.021	ug/L	100
8) Chloroethane	1.930	64	48353	4.630	ug/L	97
9) Trichlorofluoromethane	2.132	101	100023	5.192	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	56604	4.948	ug/L	97
12) 1,1-Dichloroethene	2.573	96	54622	5.035	ug/L	96
13) Acetone	2.647	43	82040	51.179	ug/L	98
14) Carbon disulfide	2.788	76	174084	4.809	ug/L	100
15) Methyl Acetate	2.955	43	19289	4.859	ug/L	98
16) Methylene chloride	3.039	84	64705	5.061	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	163495	5.560	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	61588	5.134	ug/L	99
19) 1,1-Dichloroethane	3.859	63	117166	5.178	ug/L	99
21) 2-Butanone	4.708	43	135457	53.304	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	72983	5.326	ug/L	98
23) Bromochloromethane	4.965	128	31876	5.528	ug/L	93
25) Chloroform	5.078	83	124572	5.236	ug/L	99

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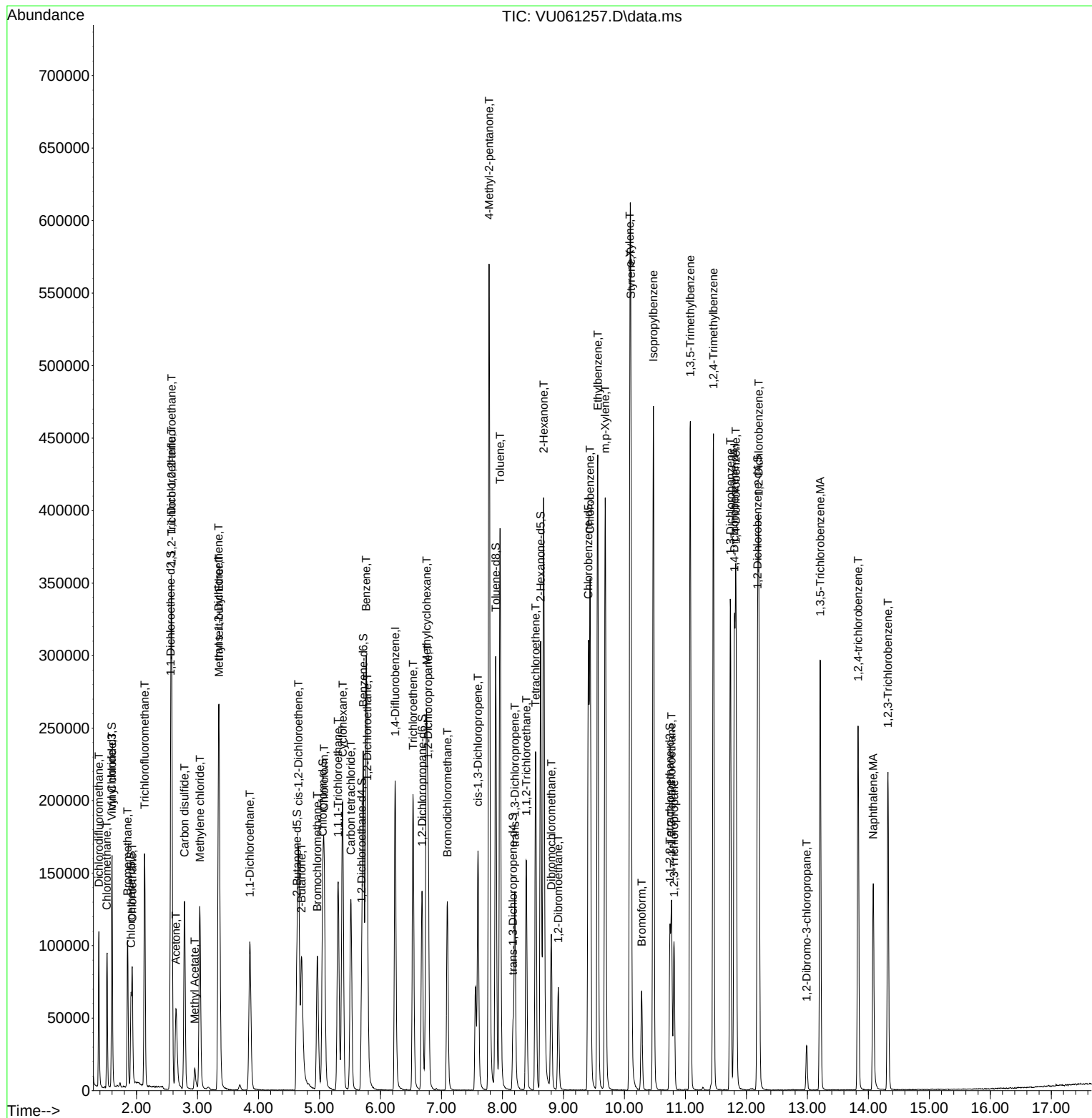
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	79568	5.292	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	106761	5.249	ug/L	99
30) Cyclohexane	5.380	56	103678	5.082	ug/L	99
31) Carbon tetrachloride	5.515	117	90077	5.176	ug/L	99
33) Benzene	5.766	78	270545	5.267	ug/L	100
34) Trichloroethene	6.534	95	71138	5.091	ug/L	98
35) Methylcyclohexane	6.756	83	109748	4.934	ug/L	99
37) 1,2-Dichloropropane	6.782	63	70226	5.393	ug/L	100
38) Bromodichloromethane	7.097	83	86434	5.245	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	101923	5.068	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	353178	54.499	ug/L	99
42) Toluene	7.962	91	291773	5.230	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	80584	4.918	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	51772	5.525	ug/L	97
47) Tetrachloroethene	8.544	164	50989	5.224	ug/L	99
48) 2-Hexanone	8.675	43	254569	55.551	ug/L	100
49) Dibromochloromethane	8.801	129	54173	5.097	ug/L	95
50) 1,2-Dibromoethane	8.917	107	49238	5.409	ug/L	98
51) Chlorobenzene	9.438	112	186010	5.275	ug/L	99
52) Ethylbenzene	9.563	91	320153	5.217	ug/L	100
53) m,p-Xylene	9.685	106	123259	5.273	ug/L	93
54) o-Xylene	10.090	106	120517	5.224	ug/L	98
55) Styrene	10.106	104	188655	5.101	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	61864	5.479	ug/L	100
59) Bromoform	10.283	173	30375	5.144	ug/L	97
60) Isopropylbenzene	10.476	105	315372	5.176	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	43199	5.437	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	253381	5.108	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	250686	5.112	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	135876	5.298	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	134115	5.130	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	126580	5.244	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	8897	5.333	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.212	180	90213	5.132	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	74862	5.277	ug/L	98
71) Naphthalene	14.080	128	123201	5.503	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	65738	5.539	ug/L	99

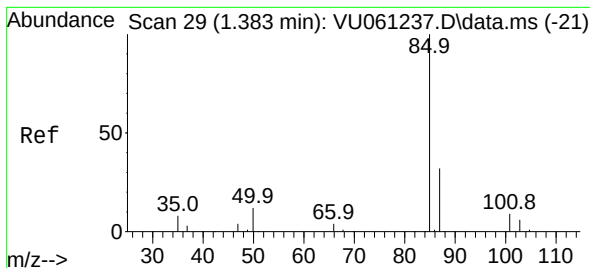
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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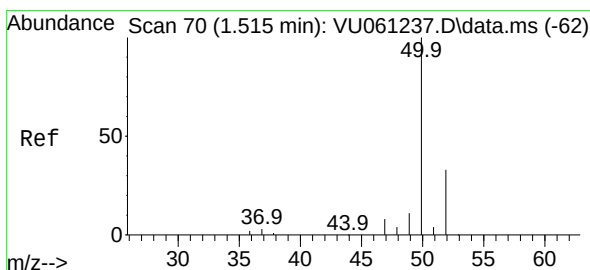
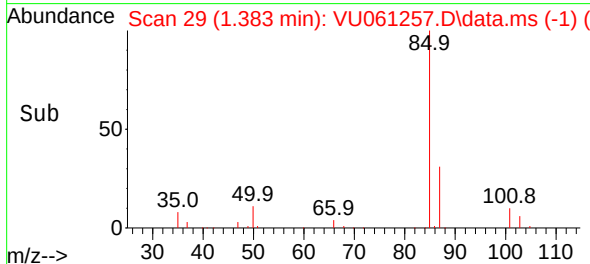
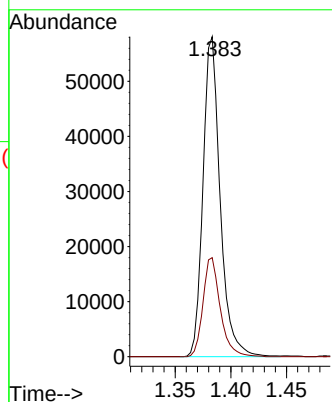
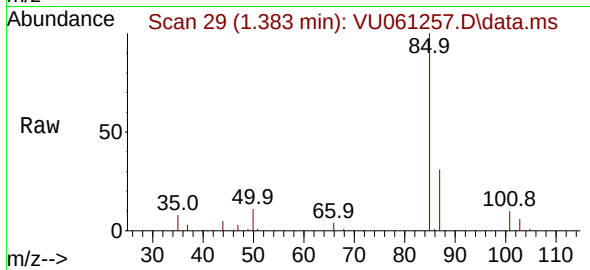




#2
 Dichlorodifluoromethane
 Concen: 5.097 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

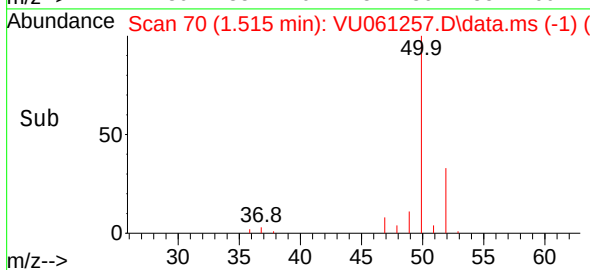
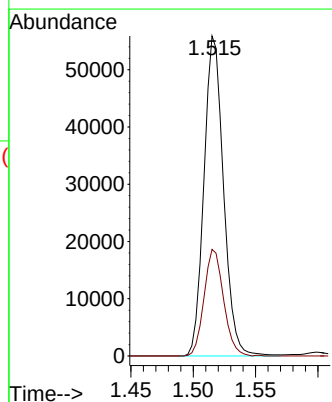
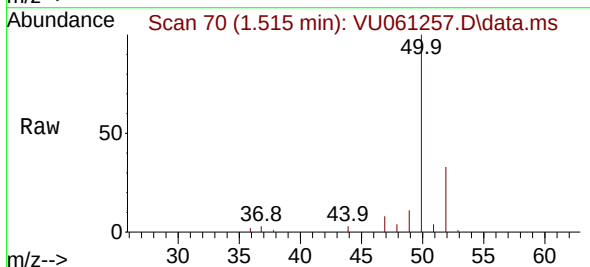
Instrument :
 MSVOA_U
 ClientSampleId :

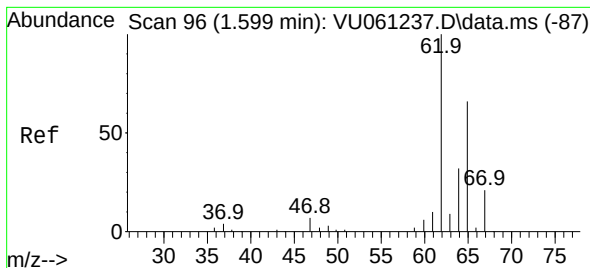
Tgt Ion: 85 Resp: 62350
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.7 38.5



#3
 Chloromethane
 Concen: 4.733 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

Tgt Ion: 50 Resp: 61057
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 4.906 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

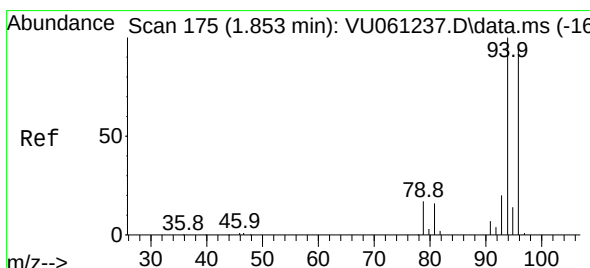
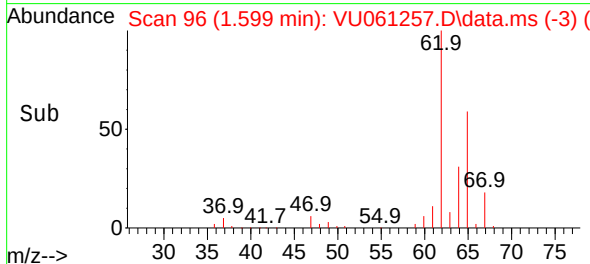
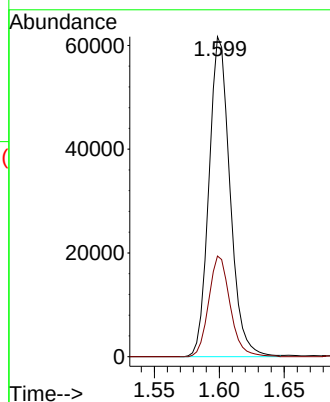
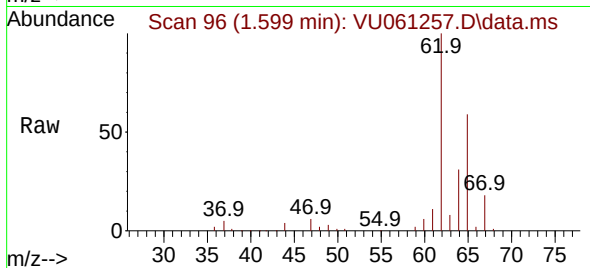
ClientSampleId :

Tgt Ion: 62 Resp: 69584

Ion Ratio Lower Upper

62 100

64 31.5 22.6 42.0



#6

Bromomethane

Concen: 5.021 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU061257.D

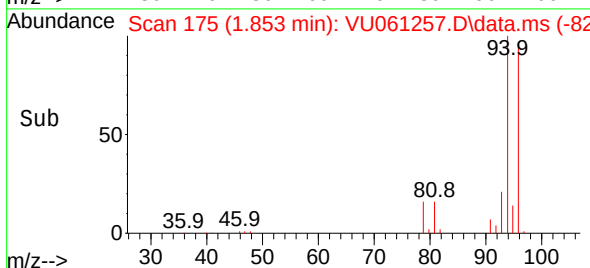
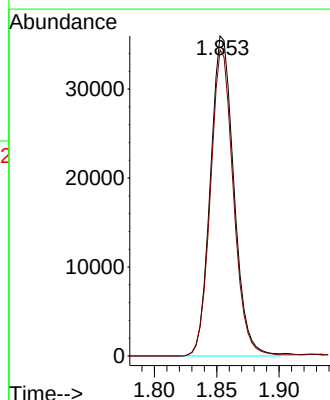
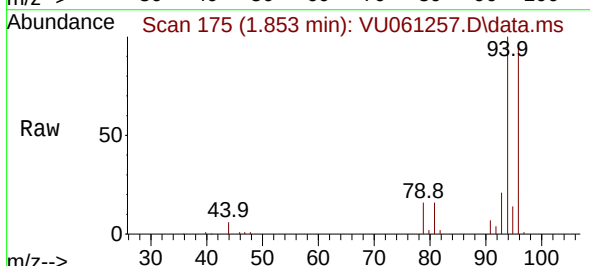
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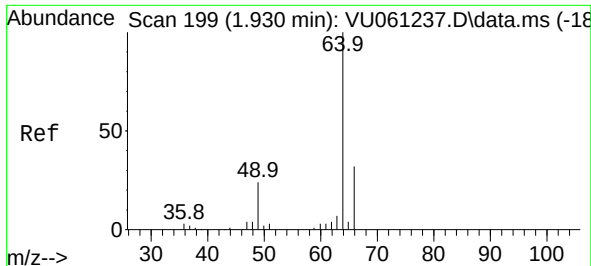
Tgt Ion: 94 Resp: 47191

Ion Ratio Lower Upper

94 100

96 95.7 66.9 124.3

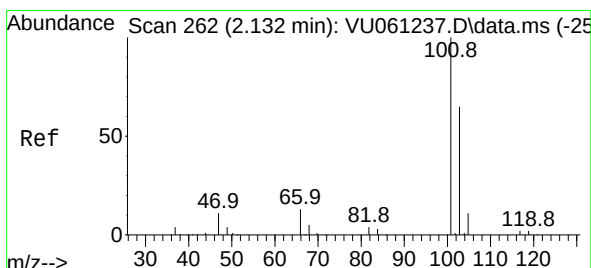
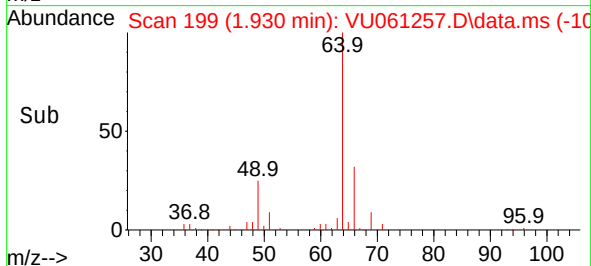
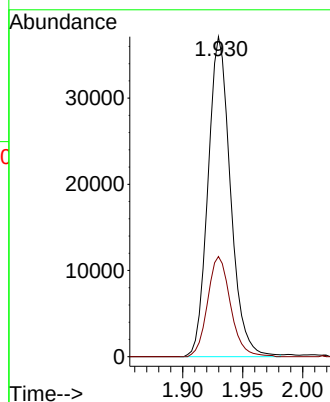
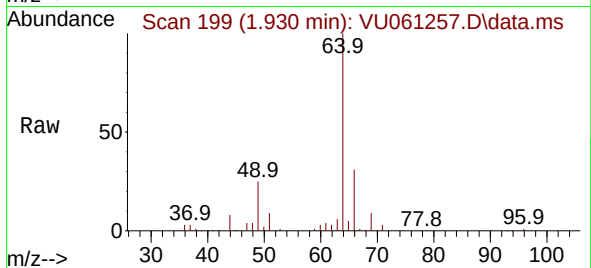




#8
Chloroethane
Concen: 4.630 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

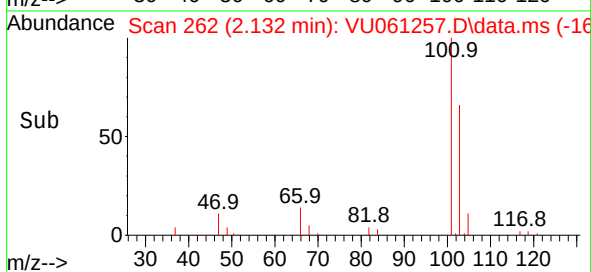
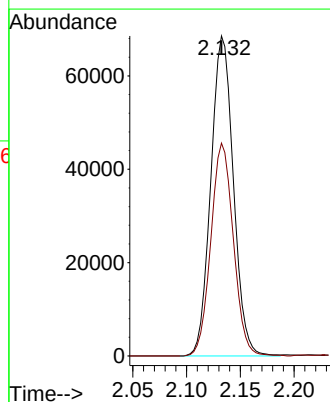
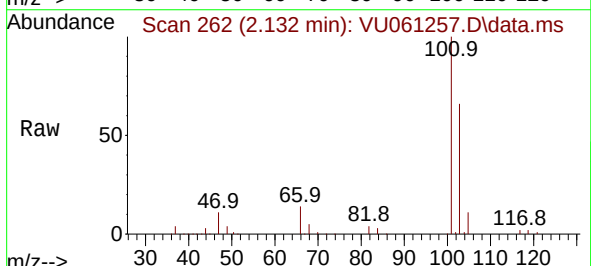
Instrument :
MSVOA_U
ClientSampleId :

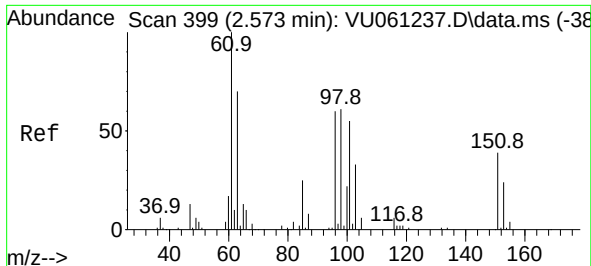
Tgt Ion: 64 Resp: 48353
Ion Ratio Lower Upper
64 100
66 31.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.192 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion:101 Resp: 100023
Ion Ratio Lower Upper
101 100
103 66.3 50.6 75.8

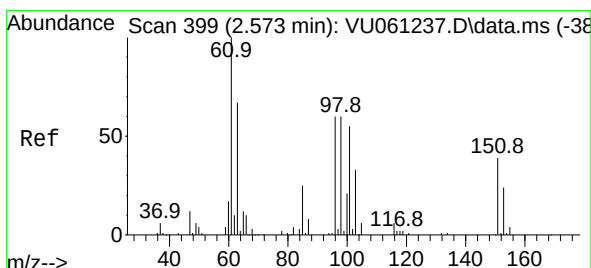
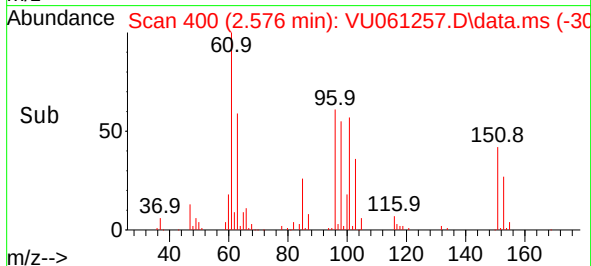
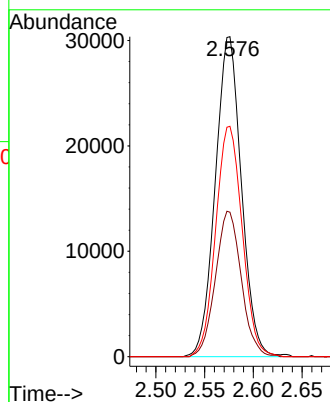
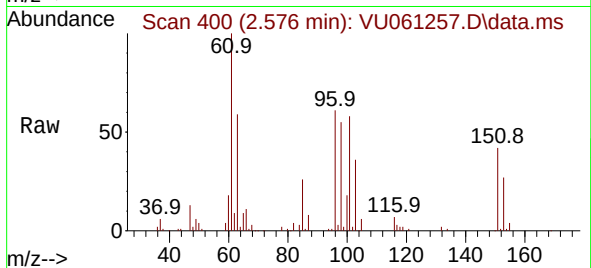




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.948 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

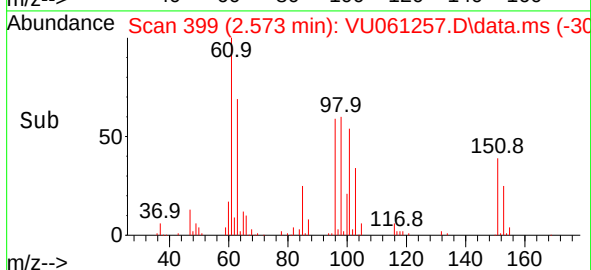
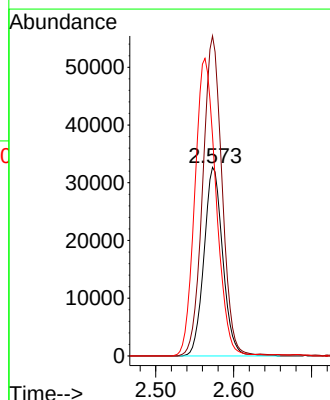
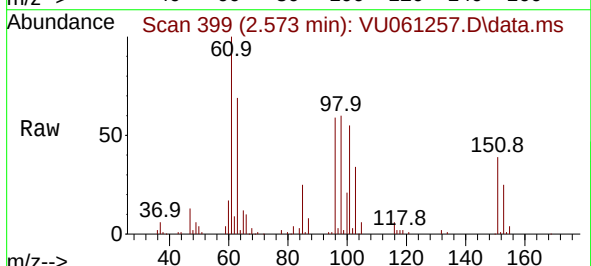
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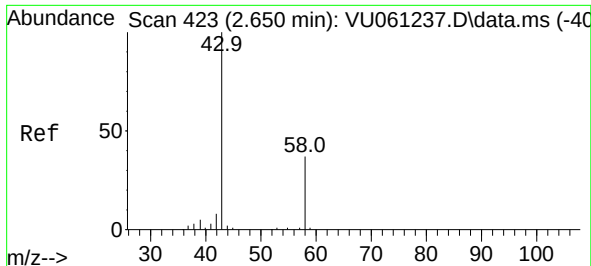
Tgt Ion:101 Resp: 56604
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.6 53.4
 151 73.2 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 5.035 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

Tgt Ion: 96 Resp: 54622
 Ion Ratio Lower Upper
 96 100
 61 169.7 119.1 221.1
 63 116.8 89.4 166.0





#13

Acetone

Concen: 51.179 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

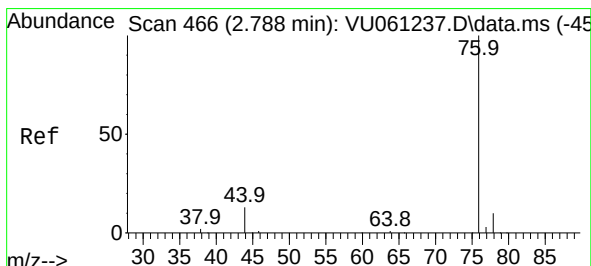
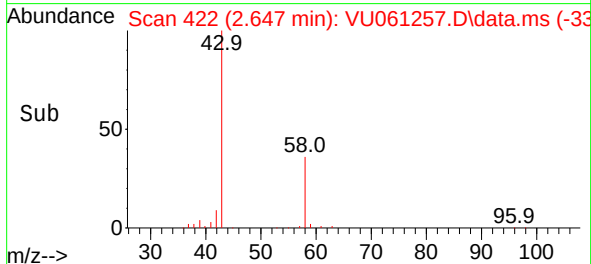
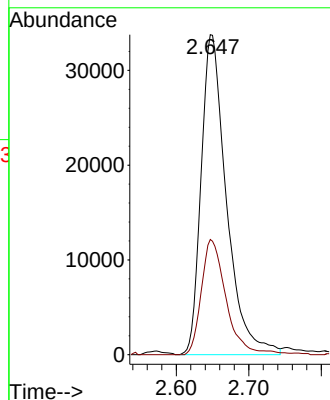
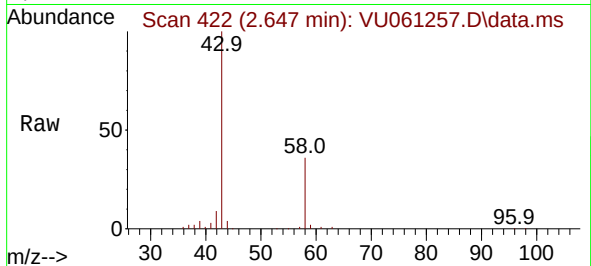
ClientSampleId :

Tgt Ion: 43 Resp: 82040

Ion Ratio Lower Upper

43 100

58 35.2 0.0 73.2



#14

Carbon disulfide

Concen: 4.809 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

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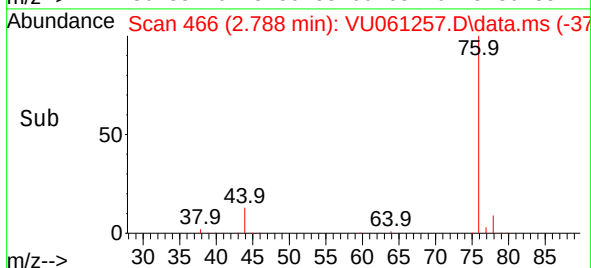
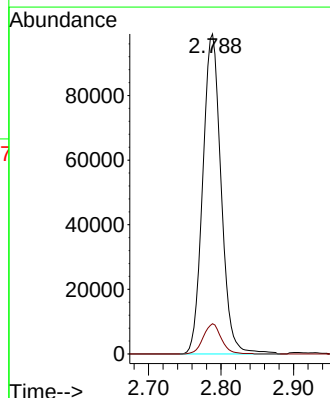
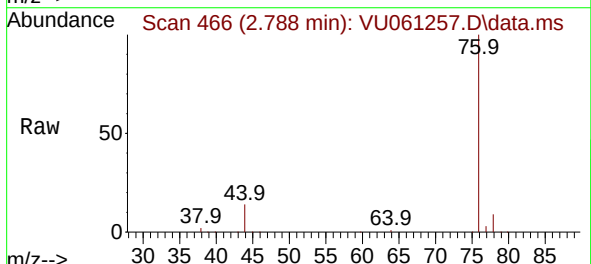
Acq: 26 Oct 2024 04:27

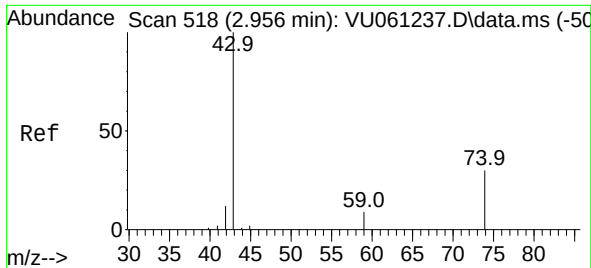
Tgt Ion: 76 Resp: 174084

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

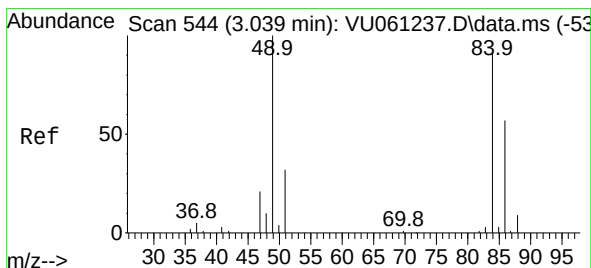
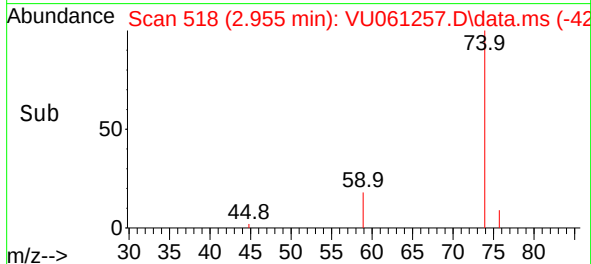
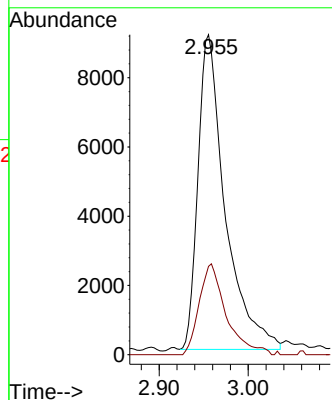
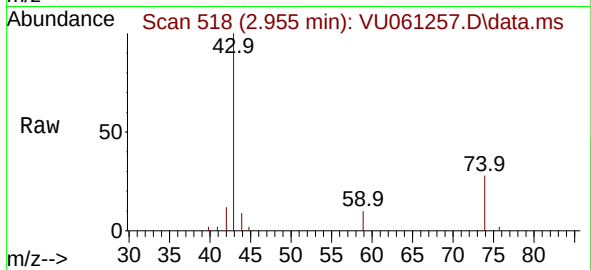




#15
Methyl Acetate
Concen: 4.859 ug/L
RT: 2.955 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

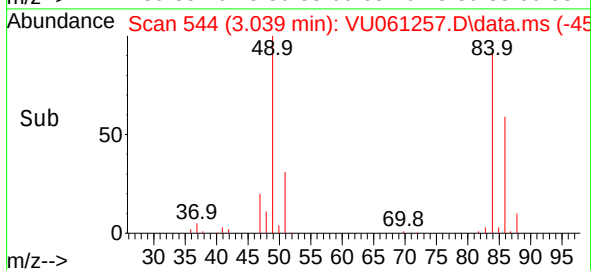
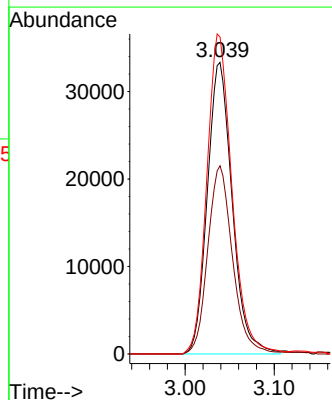
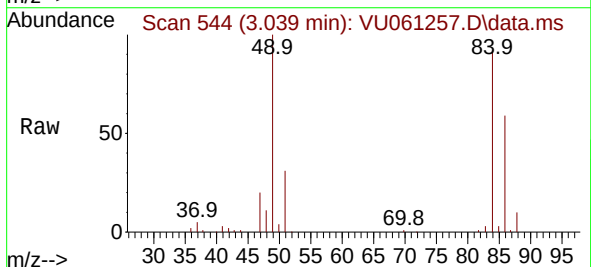
Instrument :
MSVOA_U
ClientSampleId :

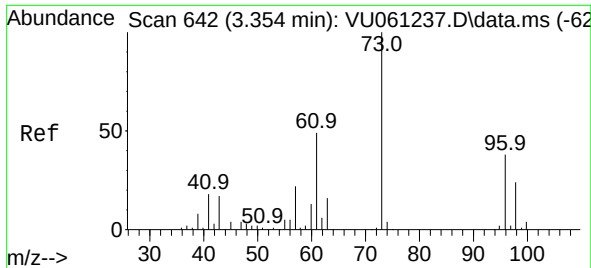
Tgt Ion: 43 Resp: 19289
Ion Ratio Lower Upper
43 100
74 28.6 22.2 33.4



#16
Methylene chloride
Concen: 5.061 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 84 Resp: 64705
Ion Ratio Lower Upper
84 100
86 64.5 43.5 80.7
49 108.7 75.7 140.7

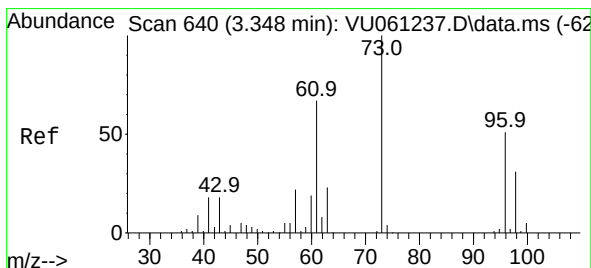
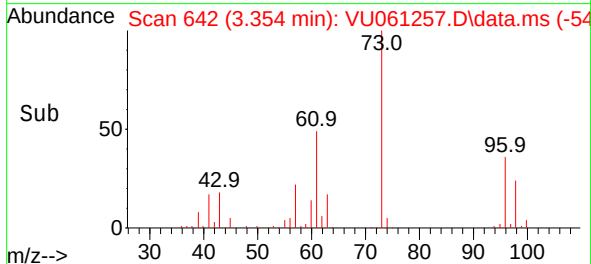
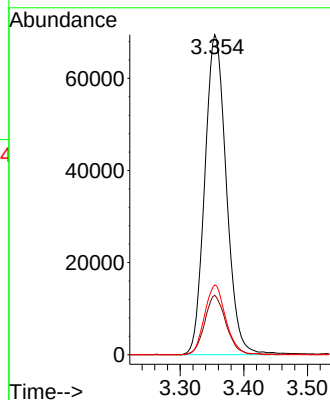
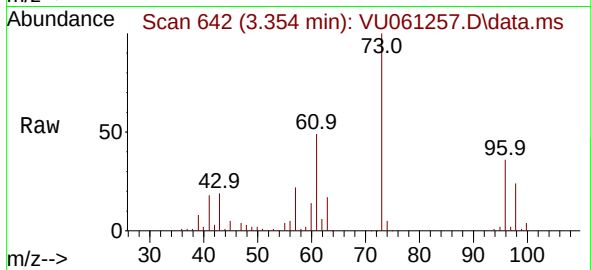




#17
Methyl tert-butyl Ether
Concen: 5.560 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

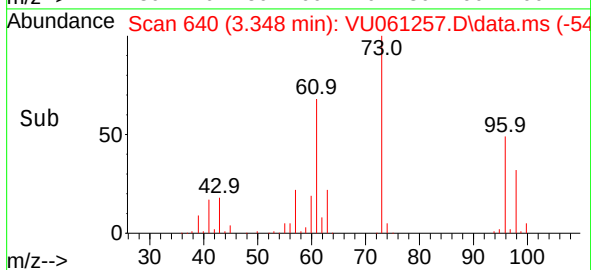
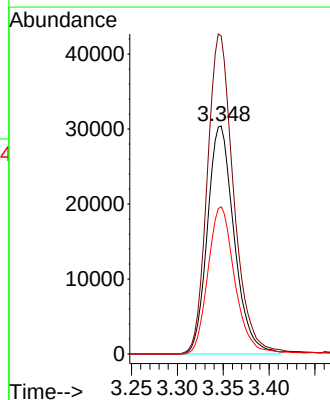
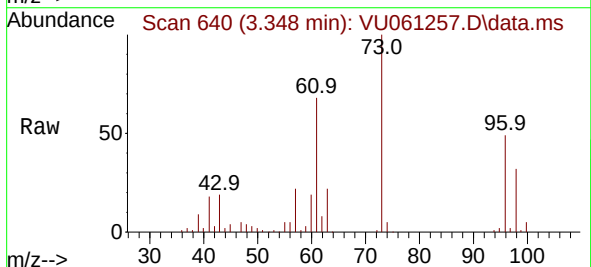
Instrument :
MSVOA_U
ClientSampleId :

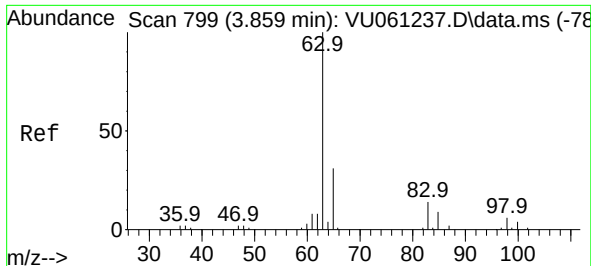
Tgt Ion: 73 Resp: 163495
Ion Ratio Lower Upper
73 100
43 18.3 15.0 22.4
57 21.5 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 5.134 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 96 Resp: 61588
Ion Ratio Lower Upper
96 100
61 139.5 97.9 181.7
98 64.6 46.2 85.8

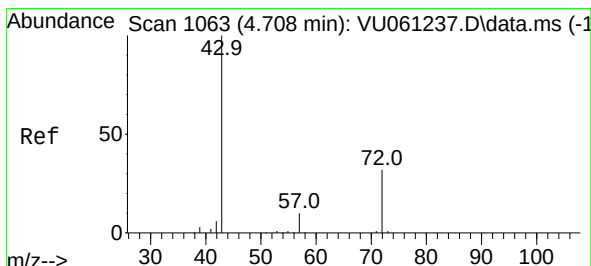
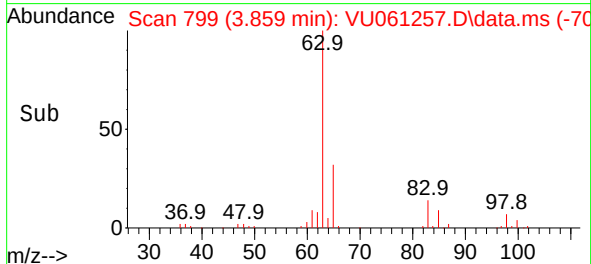
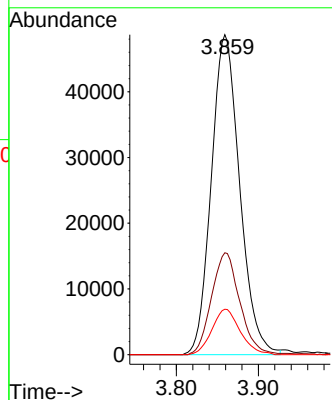
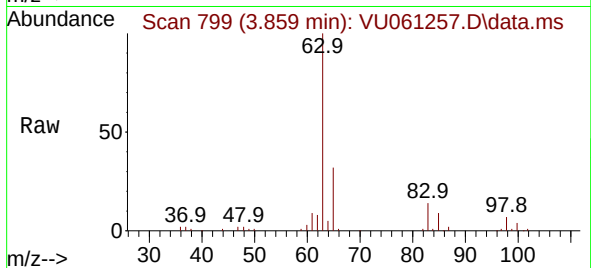




#19
1,1-Dichloroethane
Concen: 5.178 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

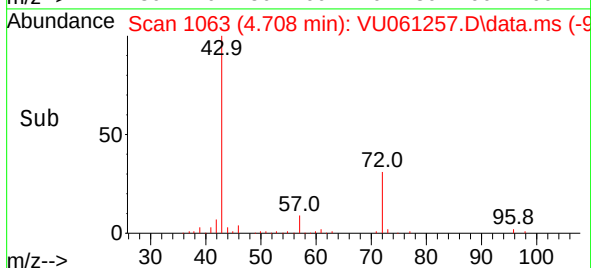
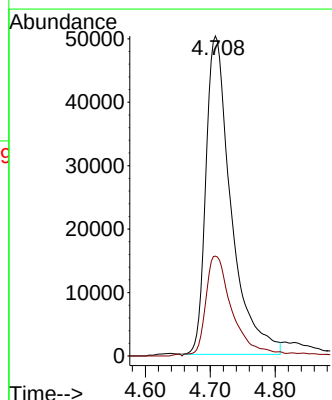
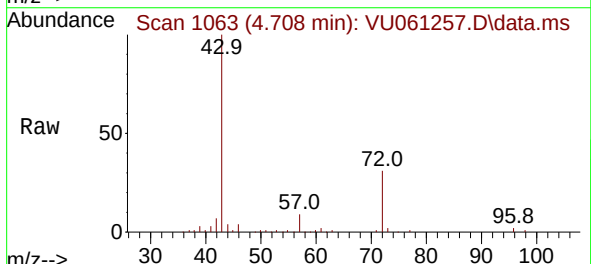
Instrument :
MSVOA_U
ClientSampleId :

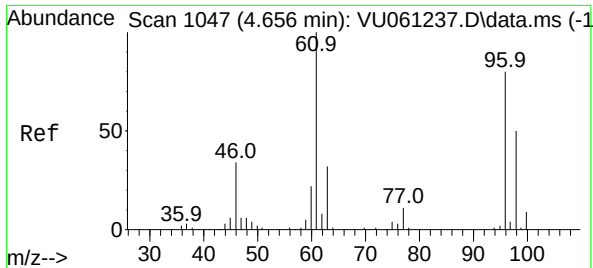
Tgt Ion: 63 Resp: 117166
Ion Ratio Lower Upper
63 100
65 31.8 23.0 42.6
83 14.2 9.7 17.9



#21
2-Butanone
Concen: 53.304 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 43 Resp: 135457
Ion Ratio Lower Upper
43 100
72 32.7 15.9 47.6



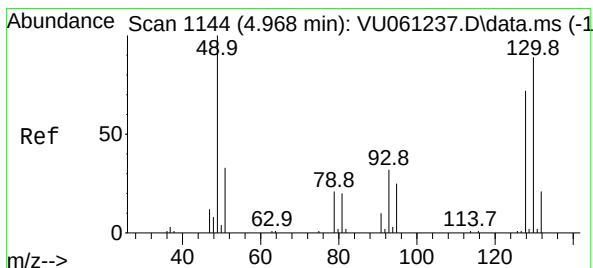
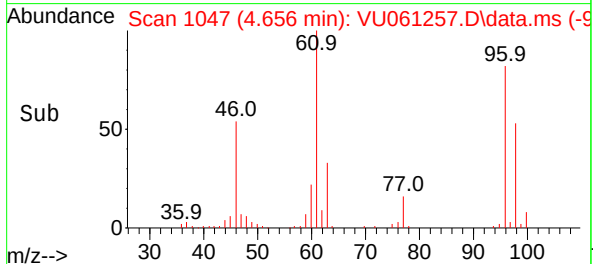
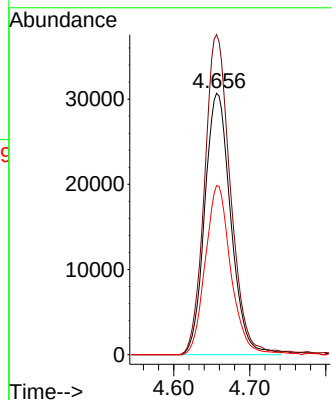
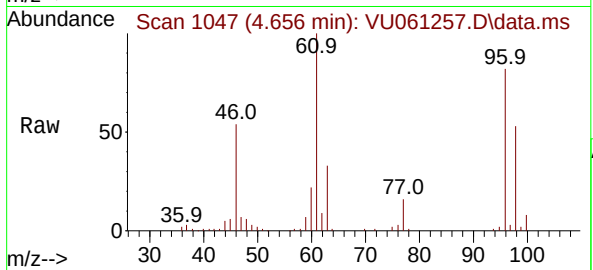


#22
cis-1,2-Dichloroethene
Concen: 5.326 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 72983

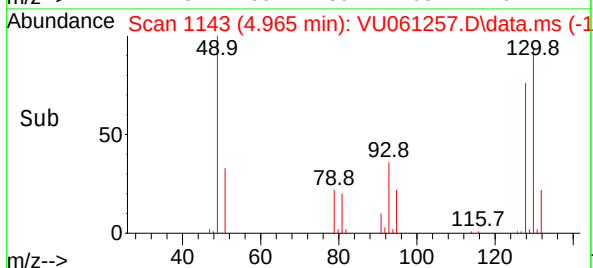
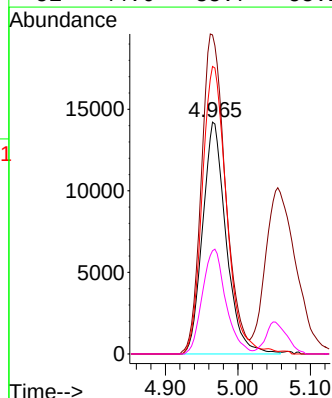
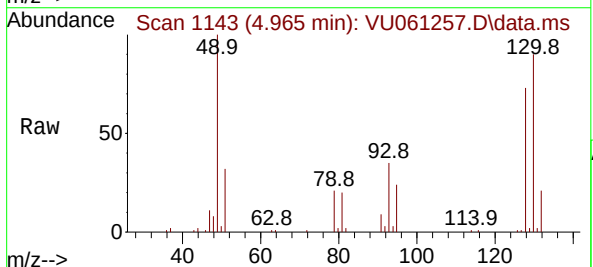
Ion	Ratio	Lower	Upper
96	100		
61	122.4	88.1	163.5
98	64.6	45.0	83.6

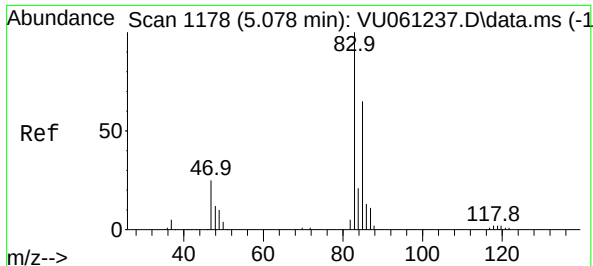


#23
Bromochloromethane
Concen: 5.528 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 128 Resp: 31876

Ion	Ratio	Lower	Upper
128	100		
49	137.7	105.1	195.1
130	124.0	89.6	166.4
51	44.6	38.7	58.1





#25

Chloroform

Concen: 5.236 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

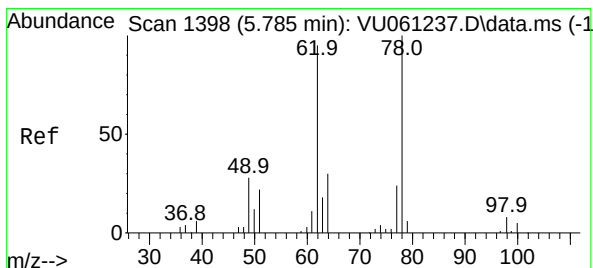
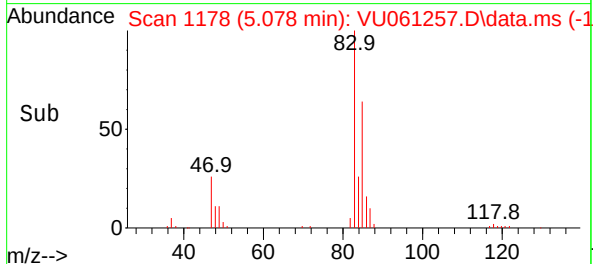
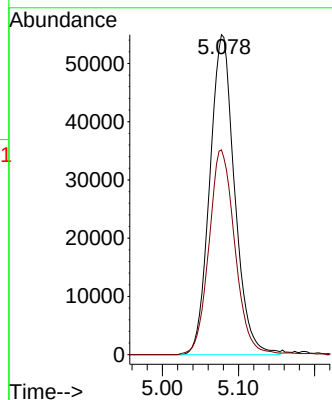
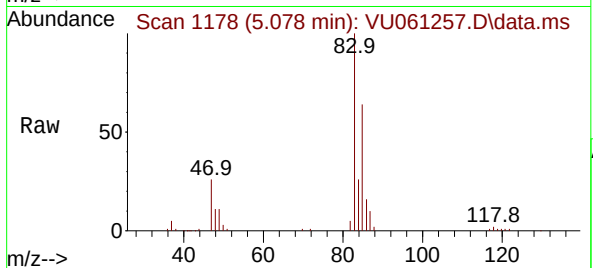
ClientSampleId :

Tgt Ion: 83 Resp: 124572

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.292 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU061257.D

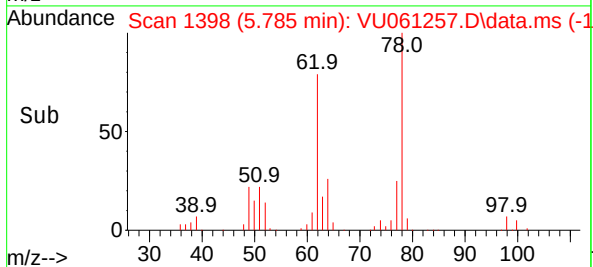
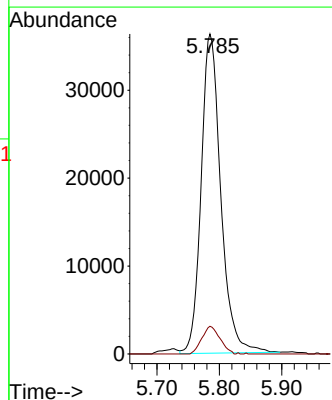
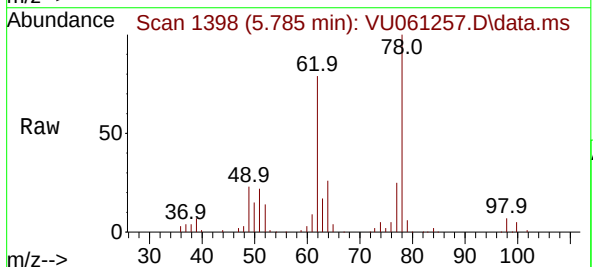
Acq: 26 Oct 2024 04:27

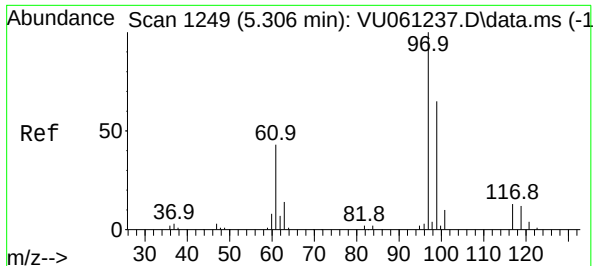
Tgt Ion: 62 Resp: 79568

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.0

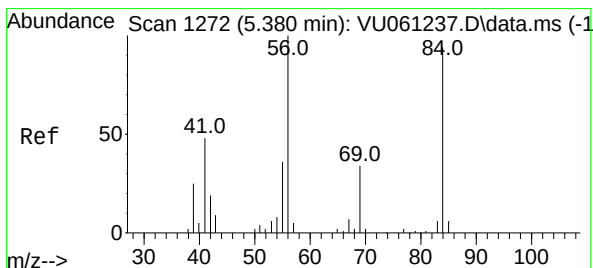
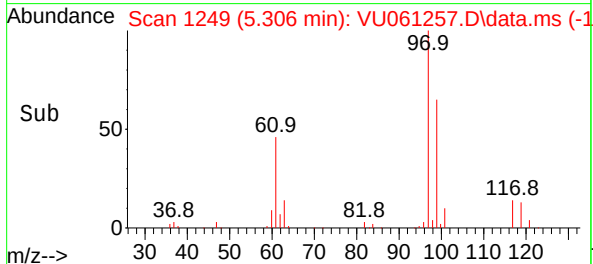
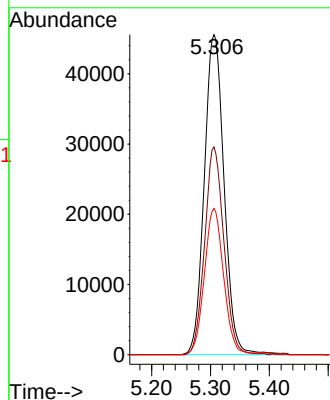
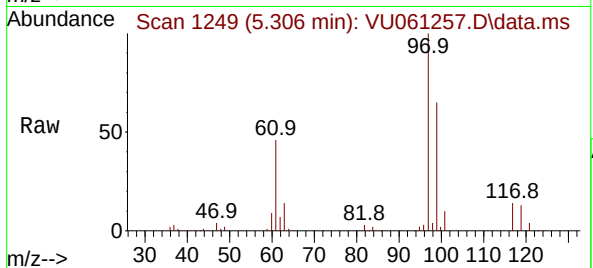




#29
1,1,1-Trichloroethane
Concen: 5.249 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

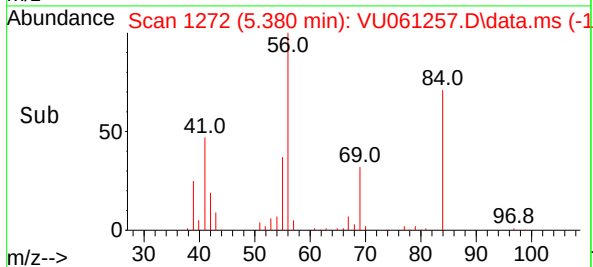
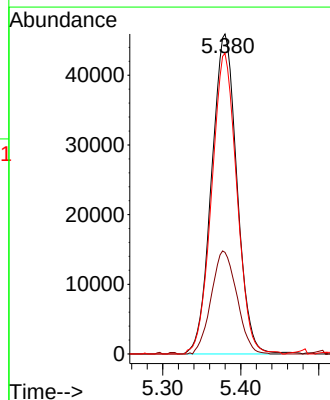
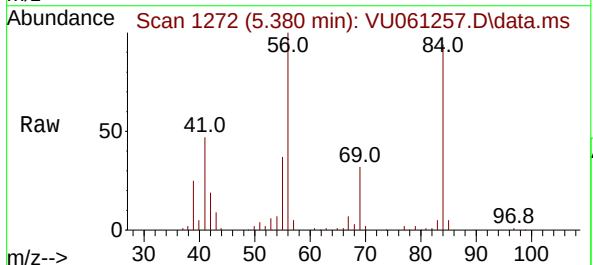
Instrument :
MSVOA_U
ClientSampleId :

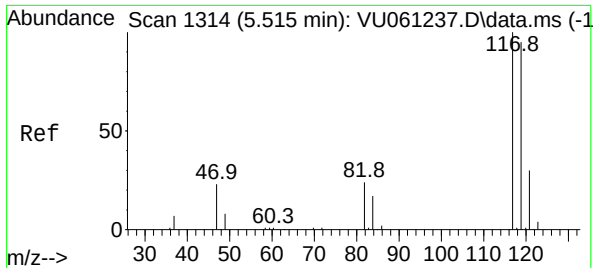
Tgt Ion: 97 Resp: 106761
Ion Ratio Lower Upper
97 100
99 62.9 50.8 76.2
61 44.2 36.1 54.1



#30
Cyclohexane
Concen: 5.082 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 56 Resp: 103678
Ion Ratio Lower Upper
56 100
69 32.6 25.8 38.6
84 93.3 73.9 110.9

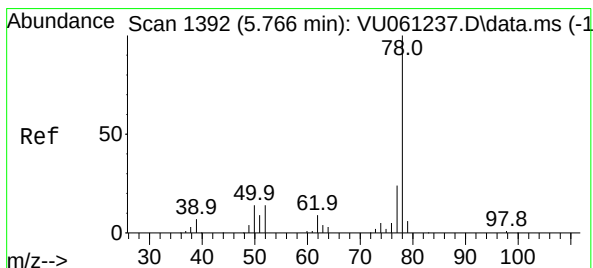
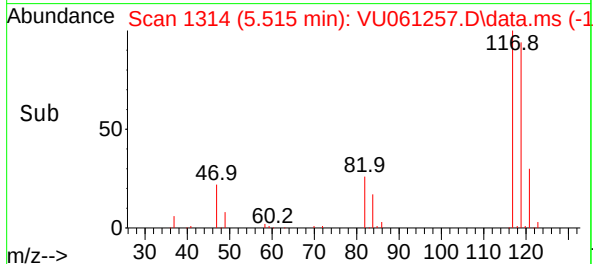
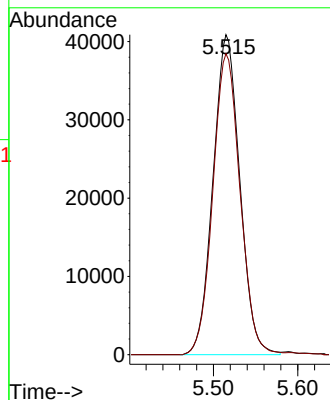
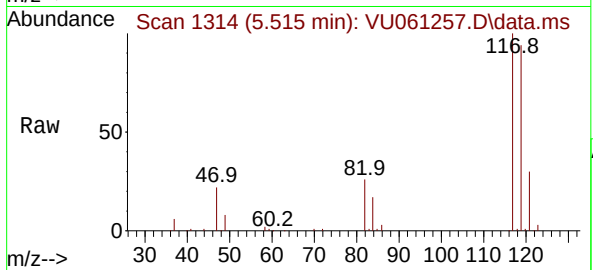




#31
Carbon tetrachloride
Concen: 5.176 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

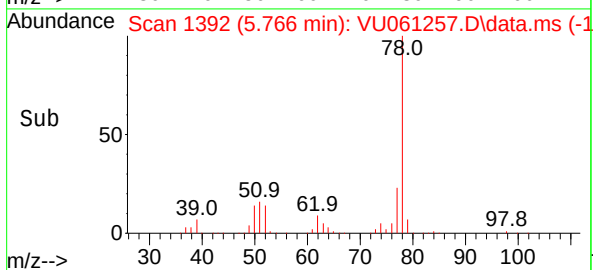
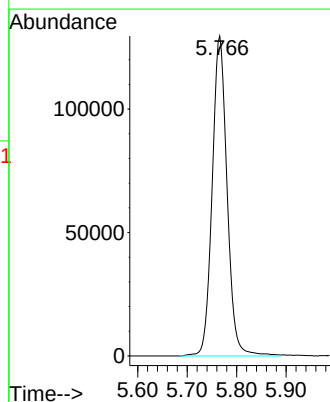
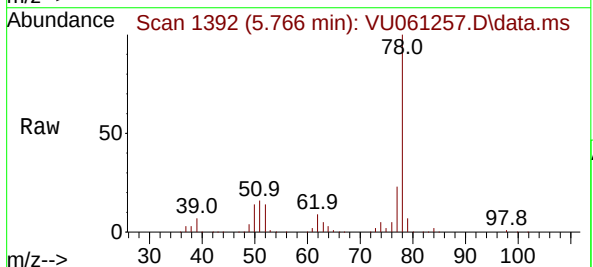
Instrument :
MSVOA_U
ClientSampleId :

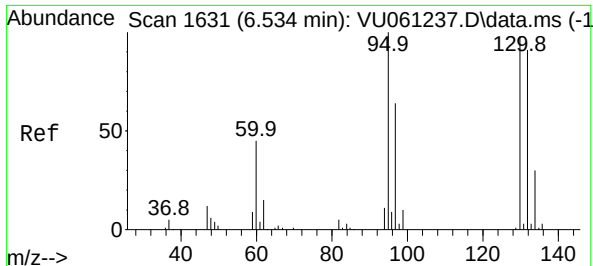
Tgt Ion:117 Resp: 90077
Ion Ratio Lower Upper
117 100
119 95.7 75.5 113.3



#33
Benzene
Concen: 5.267 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 78 Resp: 270545





#34

Trichloroethene

Concen: 5.091 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 71138

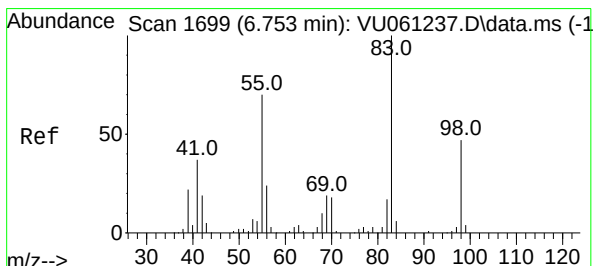
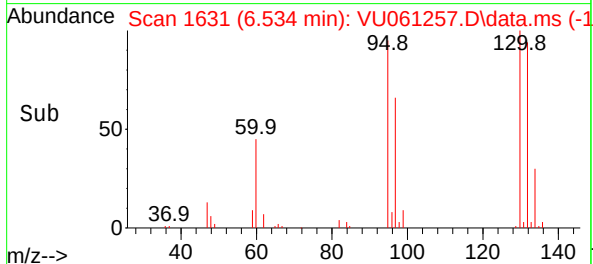
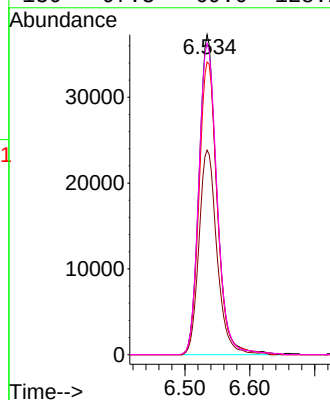
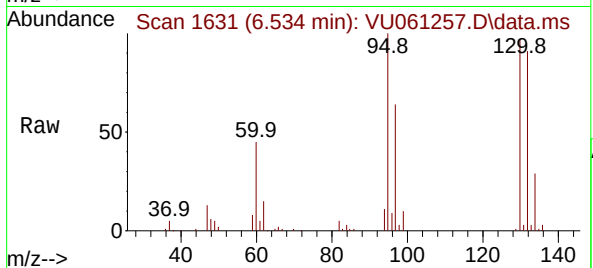
Ion Ratio Lower Upper

95 100

97 63.9 46.1 85.7

132 91.5 66.1 122.7

130 97.3 69.0 128.2



#35

Methylcyclohexane

Concen: 4.934 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

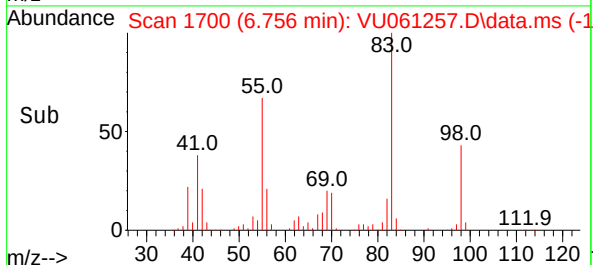
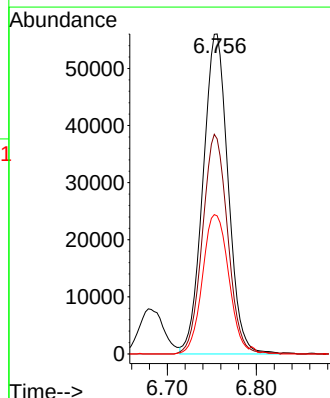
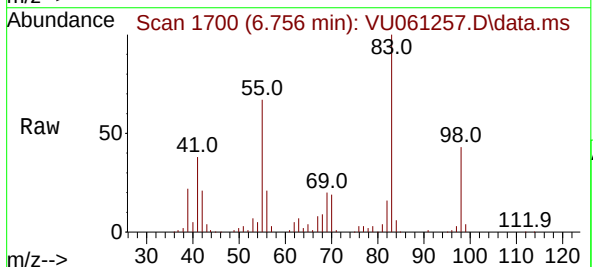
Tgt Ion: 83 Resp: 109748

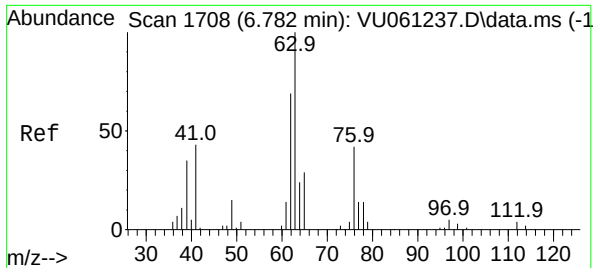
Ion Ratio Lower Upper

83 100

55 68.9 55.9 83.9

98 46.0 35.9 53.9

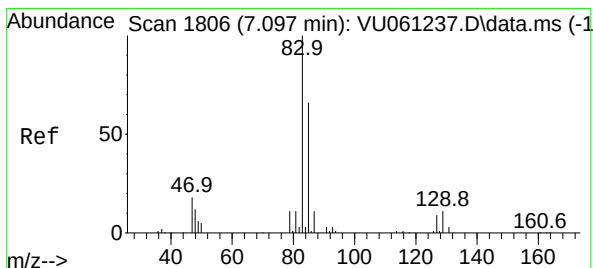
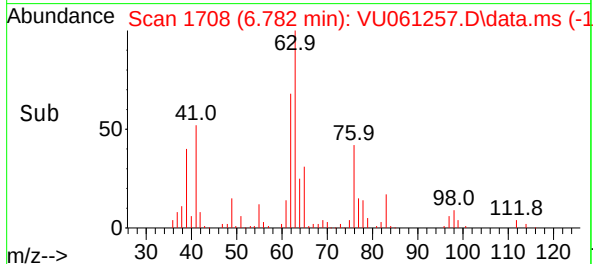
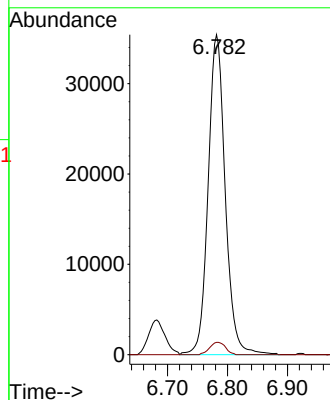
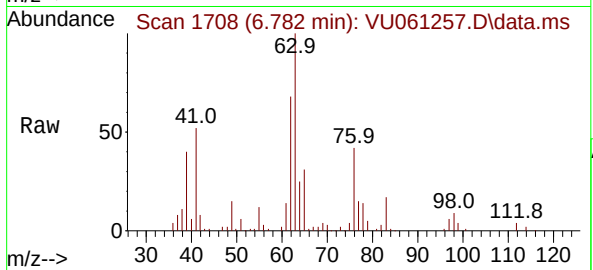




#37
1,2-Dichloropropane
Concen: 5.393 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

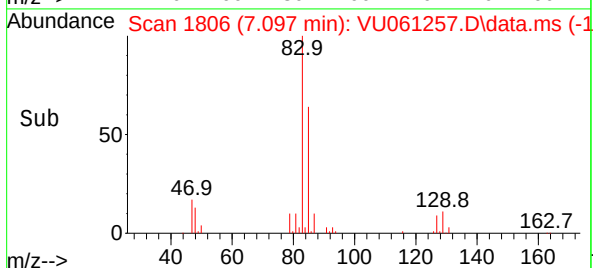
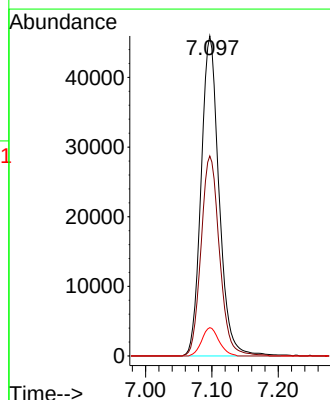
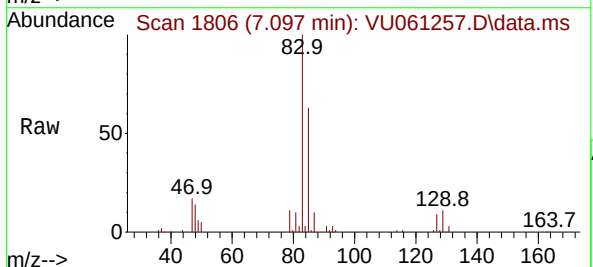
Instrument :
MSVOA_U
ClientSampleId :

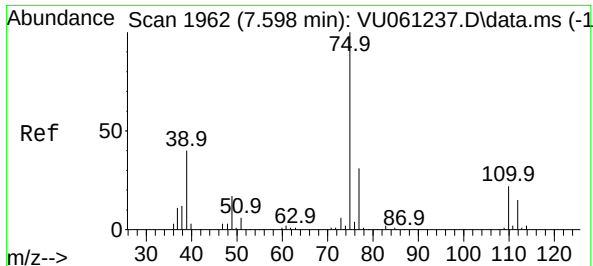
Tgt Ion: 63 Resp: 70226
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.4



#38
Bromodichloromethane
Concen: 5.245 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 83 Resp: 86434
Ion Ratio Lower Upper
83 100
85 62.5 43.8 81.4
127 8.9 7.4 11.0

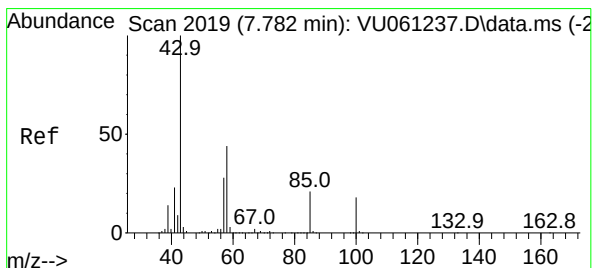
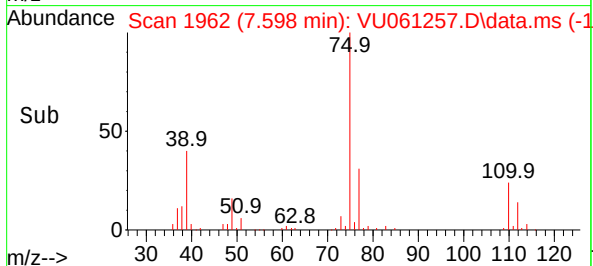
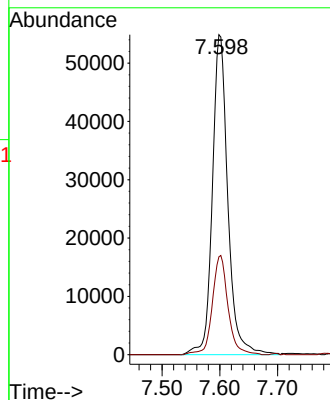
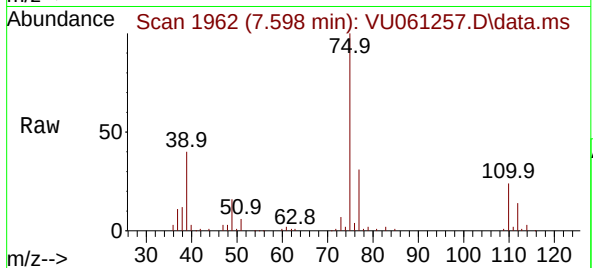




#39
 cis-1,3-Dichloropropene
 Concen: 5.068 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

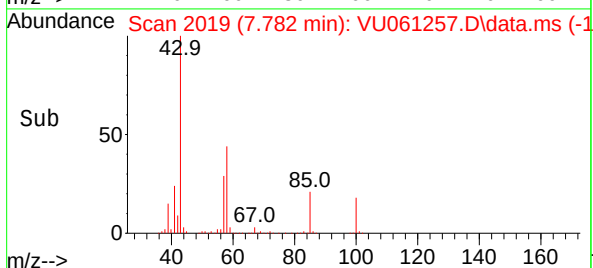
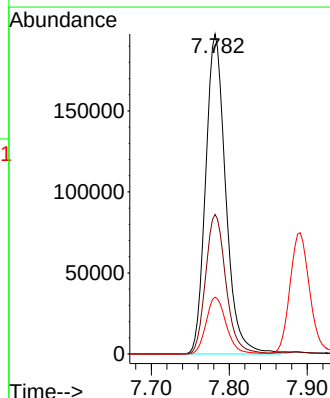
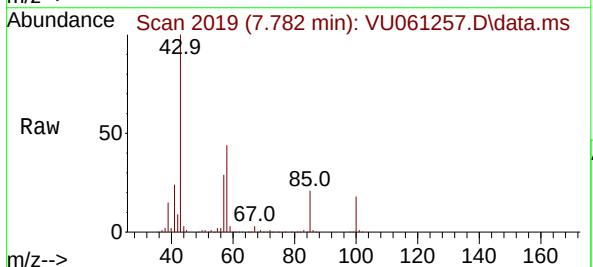
Instrument :
 MSVOA_U
 ClientSampleId :

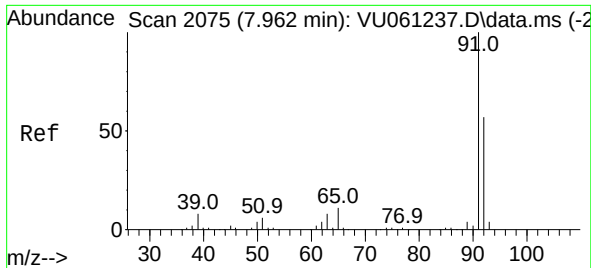
Tgt Ion: 75 Resp: 101923
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 54.499 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU061257.D
 Acq: 26 Oct 2024 04:27

Tgt Ion: 43 Resp: 353178
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.1 52.7
 100 17.9 14.0 21.0





#42

Toluene

Concen: 5.230 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

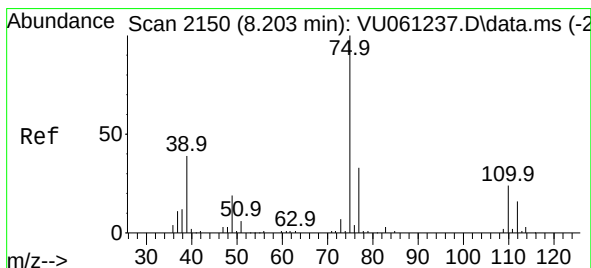
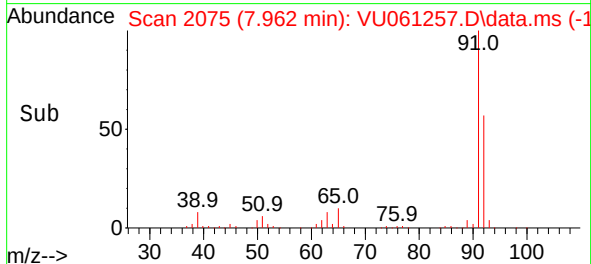
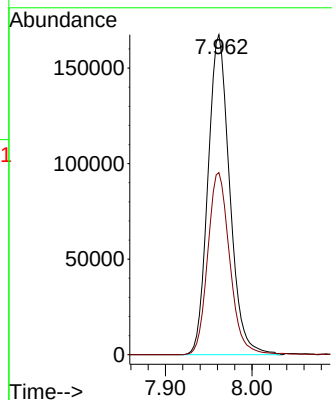
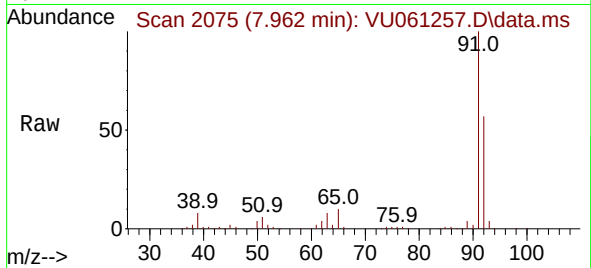
ClientSampleId :

Tgt Ion: 91 Resp: 291773

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU061257.D

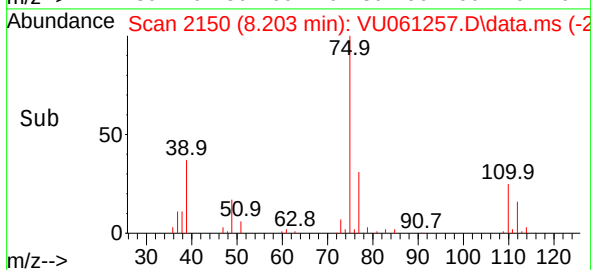
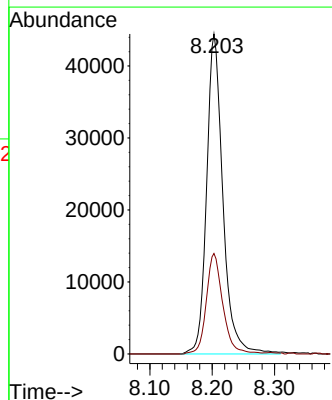
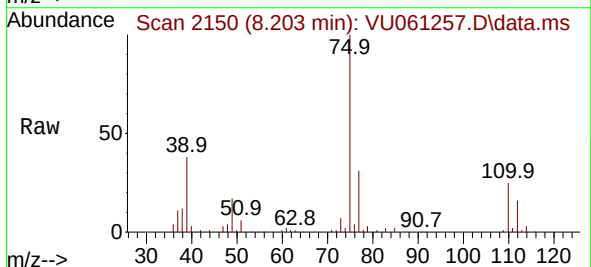
Acq: 26 Oct 2024 04:27

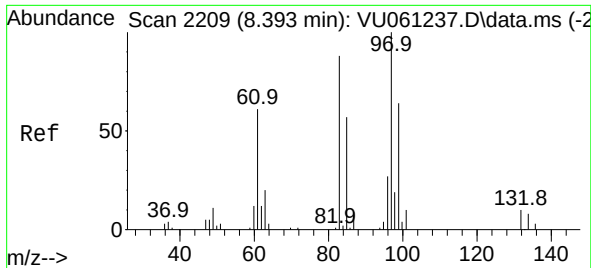
Tgt Ion: 75 Resp: 80584

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



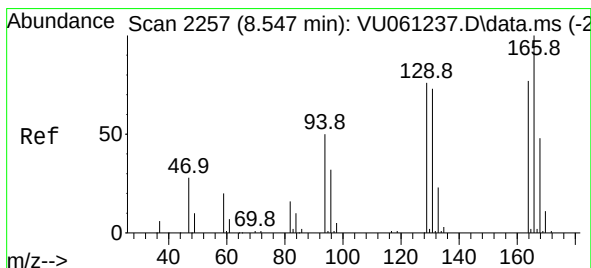
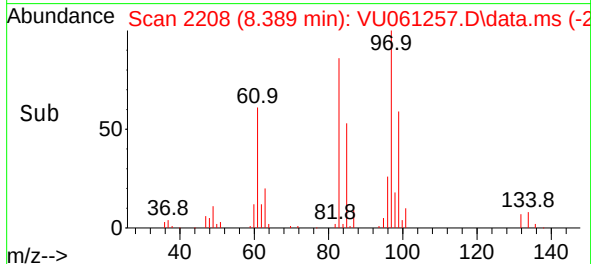
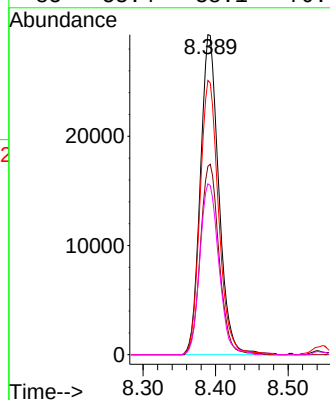
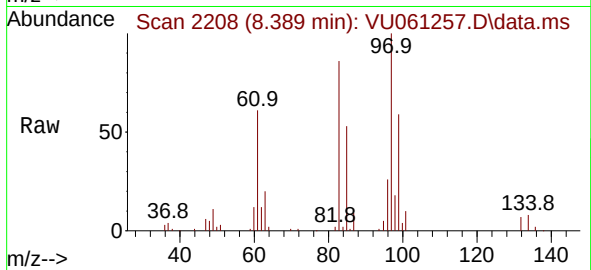


#45
1,1,2-Trichloroethane
Concen: 5.525 ug/L
RT: 8.389 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 51772

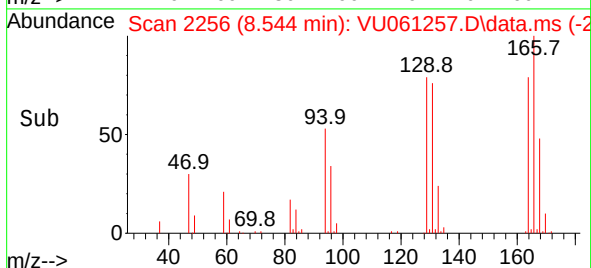
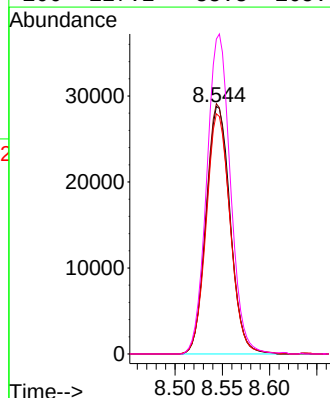
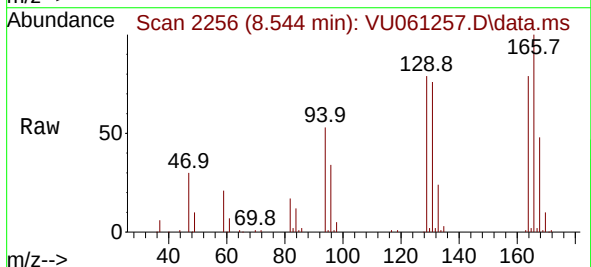
Ion	Ratio	Lower	Upper
97	100		
99	58.8	44.1	81.9
83	85.7	61.2	113.6
85	53.4	38.1	70.7

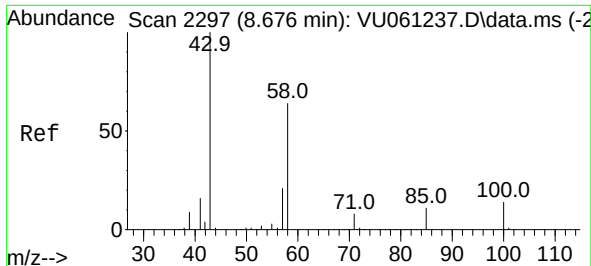


#47
Tetrachloroethene
Concen: 5.224 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion: 164 Resp: 50989

Ion	Ratio	Lower	Upper
164	100		
129	101.1	69.9	129.7
131	97.1	68.3	126.8
166	127.2	88.8	165.0





#48

2-Hexanone

Concen: 55.551 ug/L

RT: 8.675 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 254569

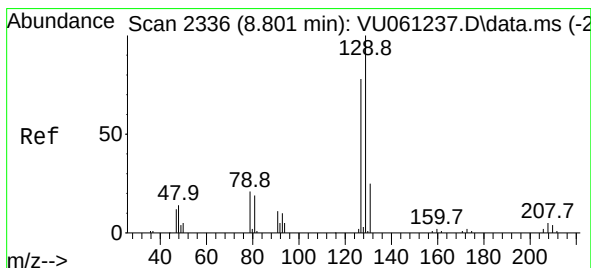
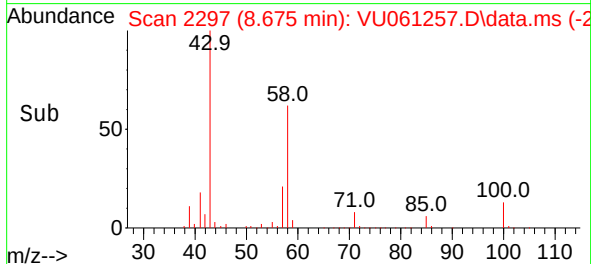
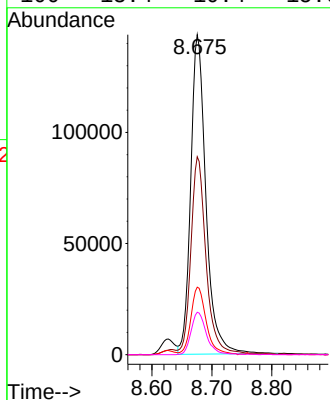
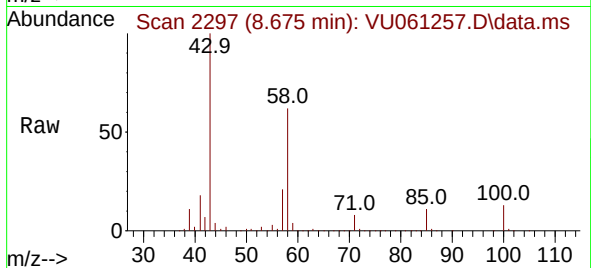
Ion Ratio Lower Upper

43 100

58 60.6 48.6 72.8

57 21.4 17.0 25.6

100 13.4 10.4 15.6



#49

Dibromochloromethane

Concen: 5.097 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061257.D

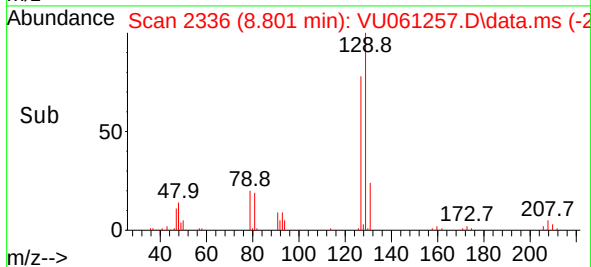
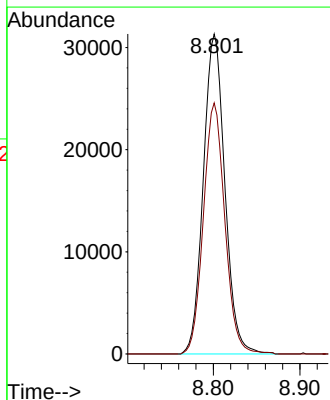
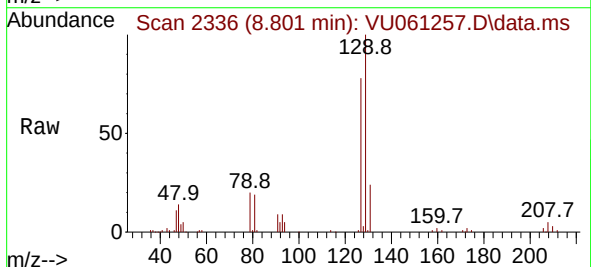
Acq: 26 Oct 2024 04:27

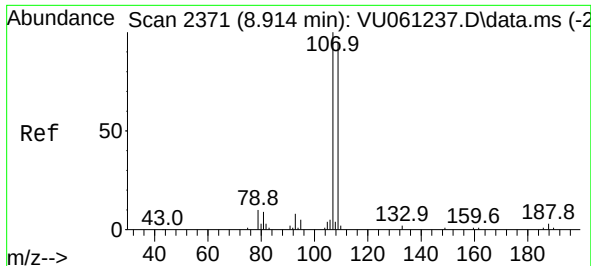
Tgt Ion: 129 Resp: 54173

Ion Ratio Lower Upper

129 100

127 78.5 51.8 96.2

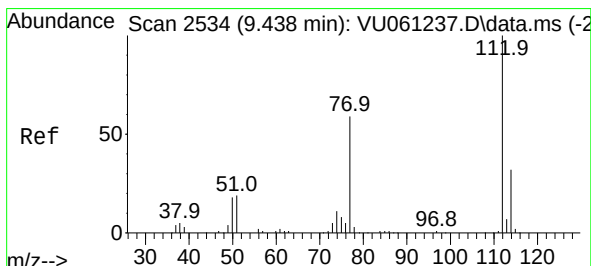
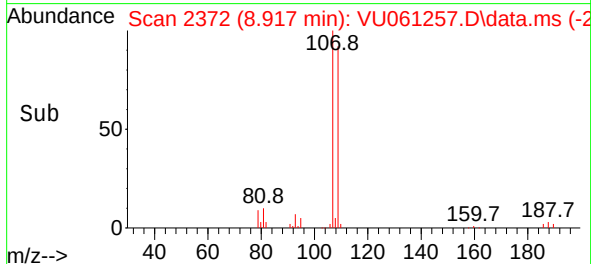
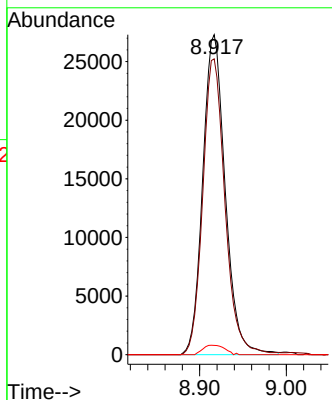
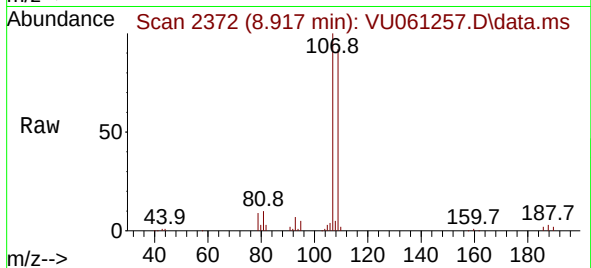




#50
1,2-Dibromoethane
Concen: 5.409 ug/L
RT: 8.917 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

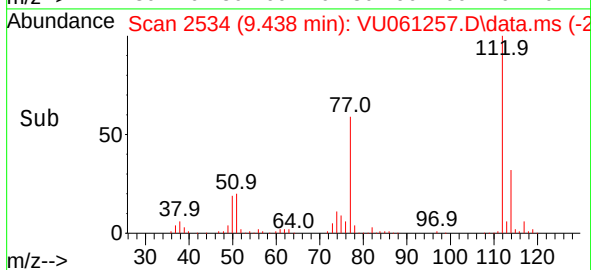
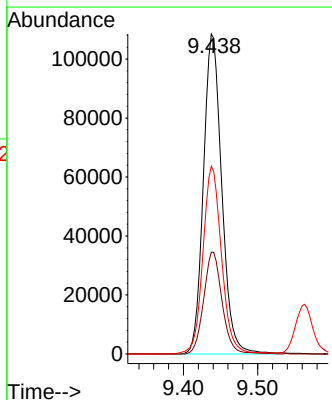
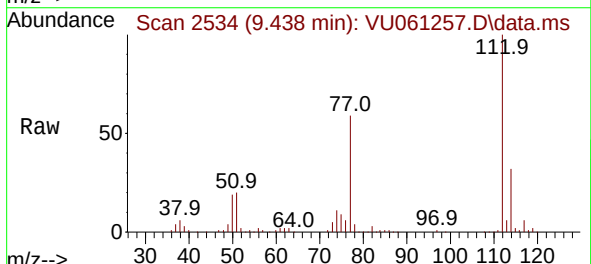
Instrument :
MSVOA_U
ClientSampleId :

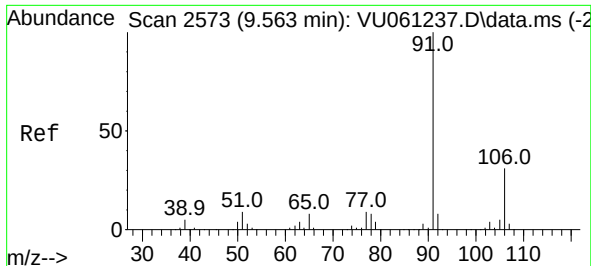
Tgt Ion:107 Resp: 49238
Ion Ratio Lower Upper
107 100
109 92.5 63.4 117.8
188 2.9 2.6 3.8



#51
Chlorobenzene
Concen: 5.275 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion:112 Resp: 186010
Ion Ratio Lower Upper
112 100
114 31.8 22.9 42.5
77 58.6 47.1 70.7





#52

Ethylbenzene

Concen: 5.217 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

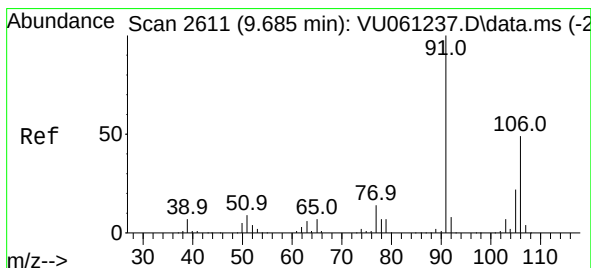
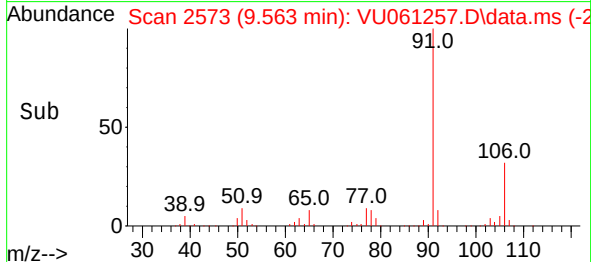
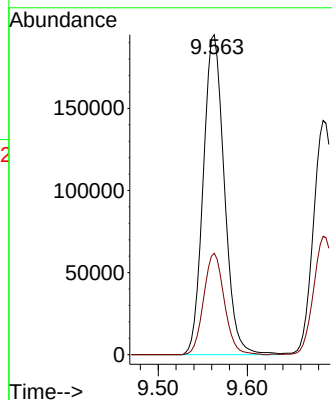
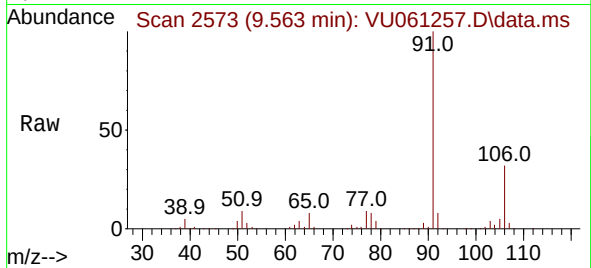
ClientSampleId :

Tgt Ion: 91 Resp: 320153

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-Xylene

Concen: 5.273 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU061257.D

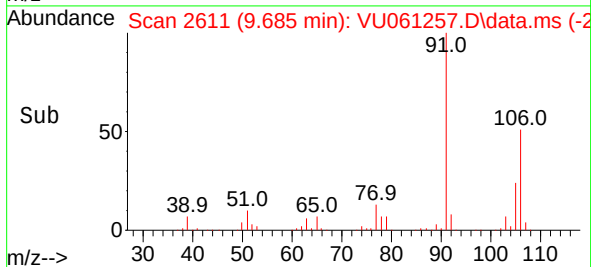
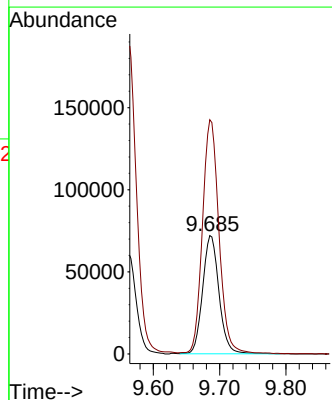
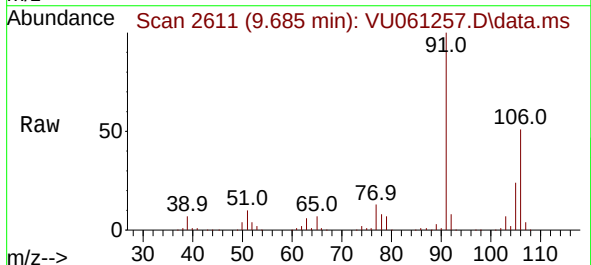
Acq: 26 Oct 2024 04:27

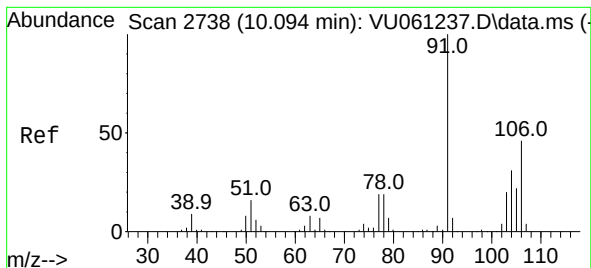
Tgt Ion:106 Resp: 123259

Ion Ratio Lower Upper

106 100

91 198.0 145.7 270.7





#54

o-Xylene

Concen: 5.224 ug/L

RT: 10.090 min Scan# 2738

Delta R.T. -0.003 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

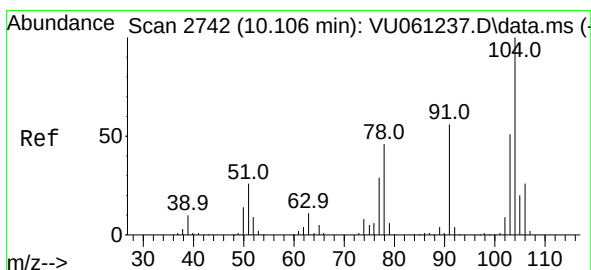
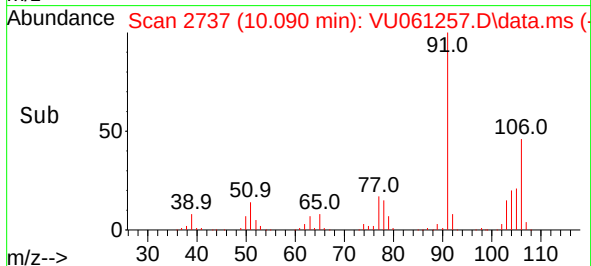
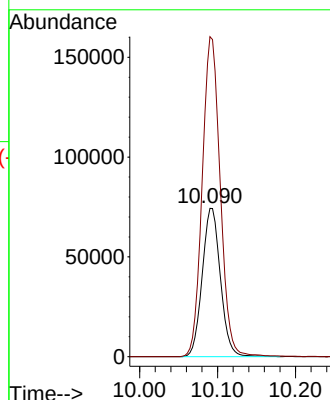
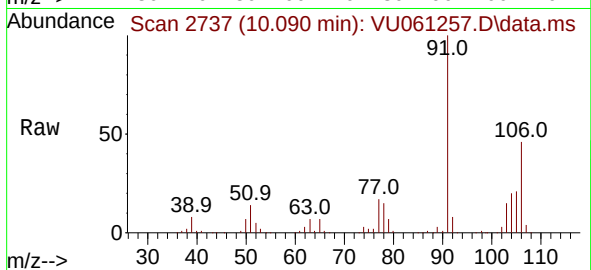
ClientSampleId :

Tgt Ion:106 Resp: 120517

Ion Ratio Lower Upper

106 100

91 215.6 148.8 276.4



#55

Styrene

Concen: 5.101 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU061257.D

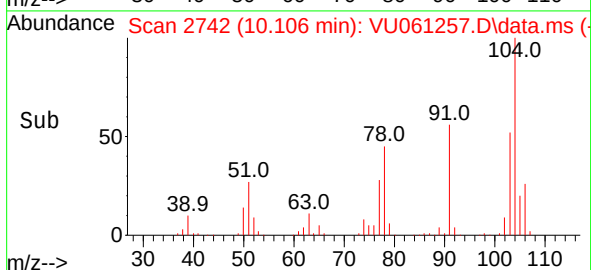
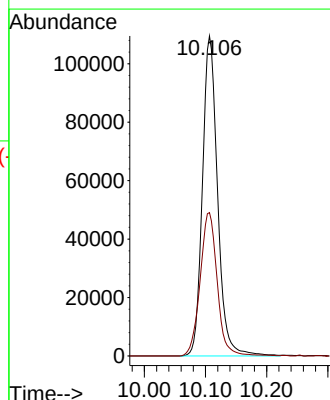
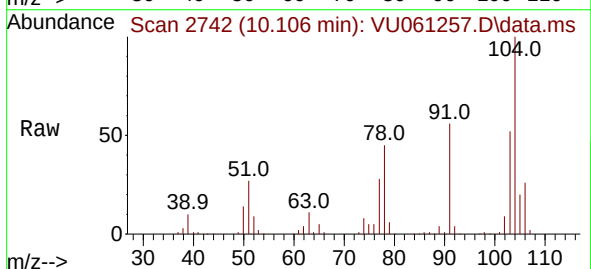
Acq: 26 Oct 2024 04:27

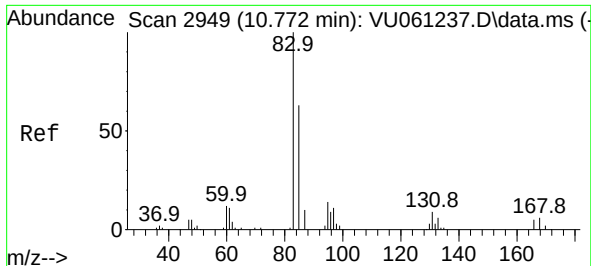
Tgt Ion:104 Resp: 188655

Ion Ratio Lower Upper

104 100

78 44.8 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.479 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

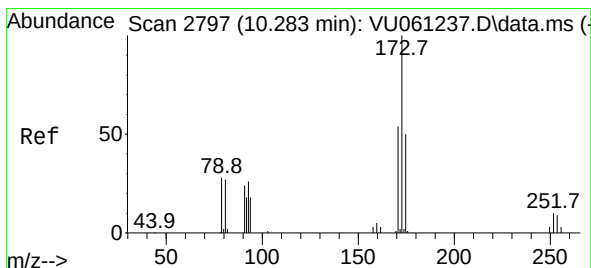
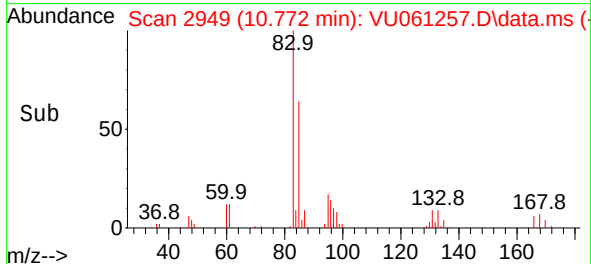
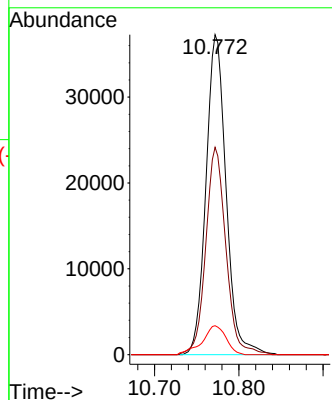
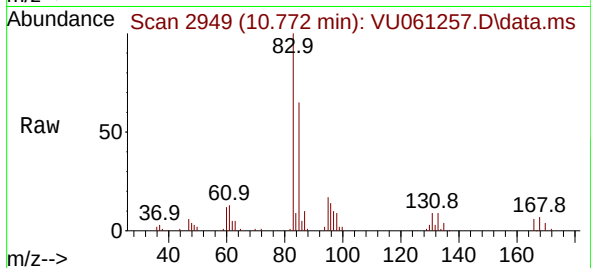
Tgt Ion: 83 Resp: 61864

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

131 9.1 7.6 11.4



#59

Bromoform

Concen: 5.144 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

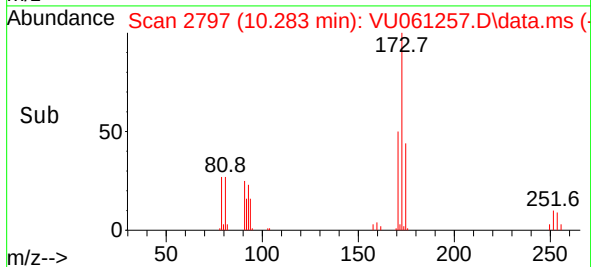
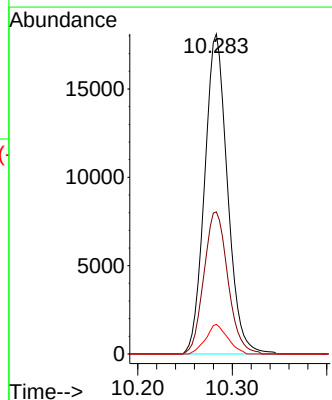
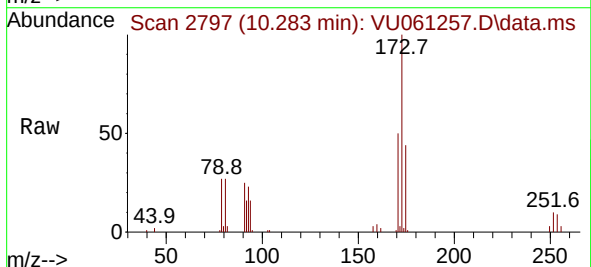
Tgt Ion:173 Resp: 30375

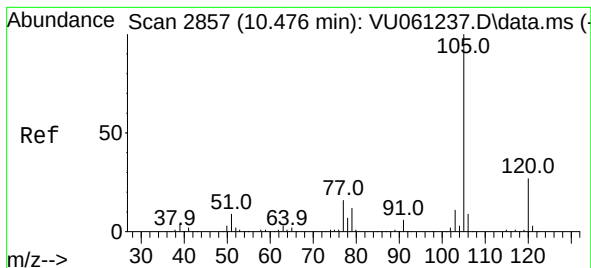
Ion Ratio Lower Upper

173 100

175 46.6 39.0 58.4

254 8.9 6.8 10.2





#60

Isopropylbenzene

Concen: 5.176 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

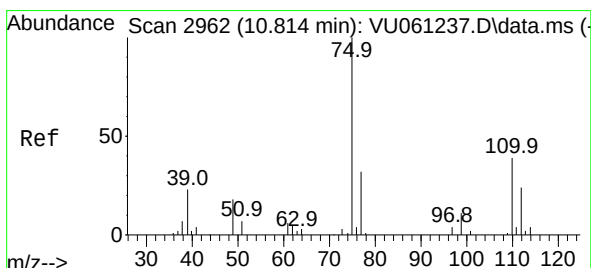
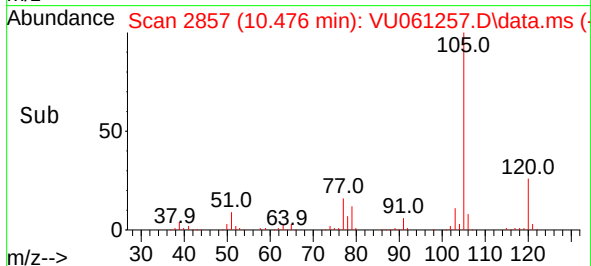
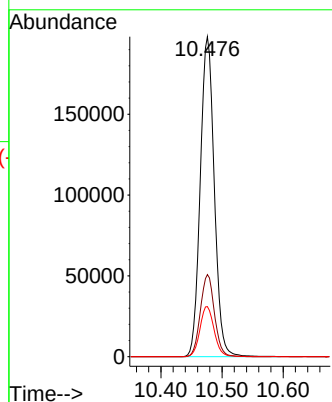
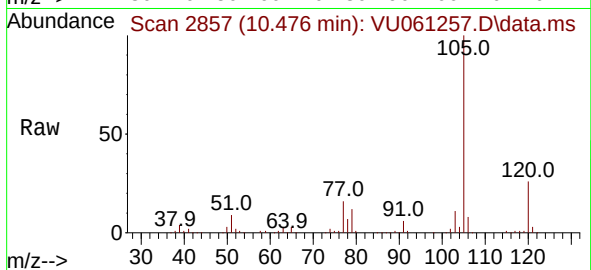
Tgt Ion:105 Resp: 315372

Ion Ratio Lower Upper

105 100

120 25.8 21.2 31.8

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.437 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

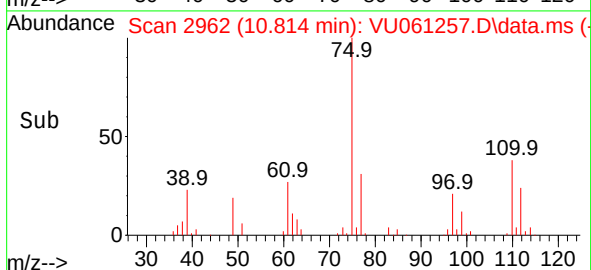
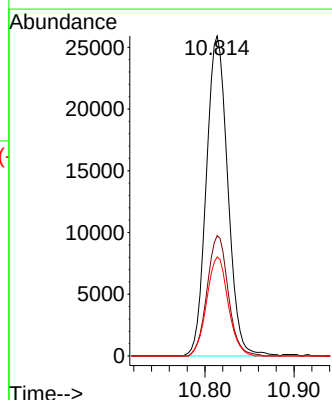
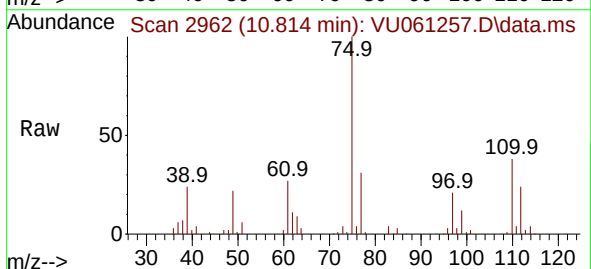
Tgt Ion: 75 Resp: 43199

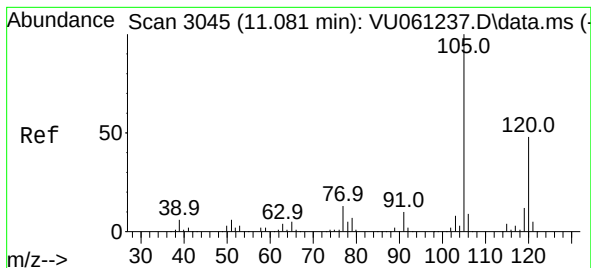
Ion Ratio Lower Upper

75 100

110 37.2 28.8 43.2

77 31.0 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 5.108 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

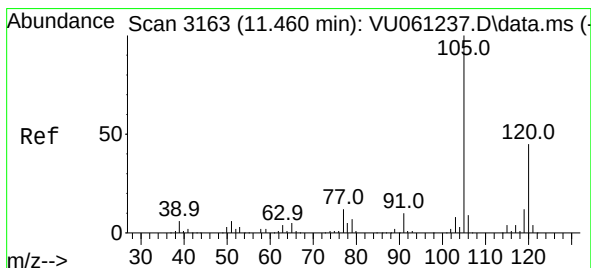
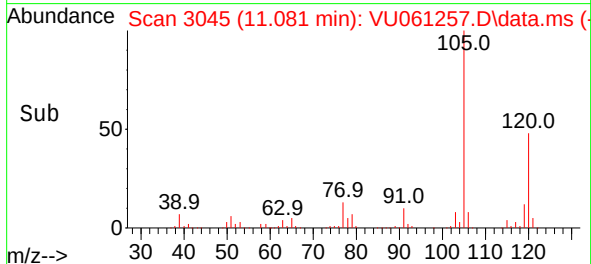
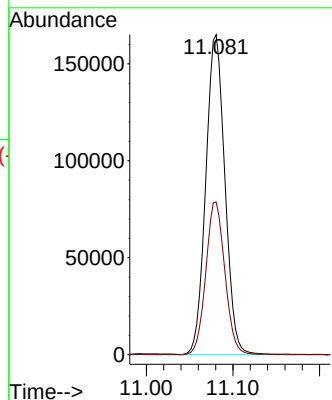
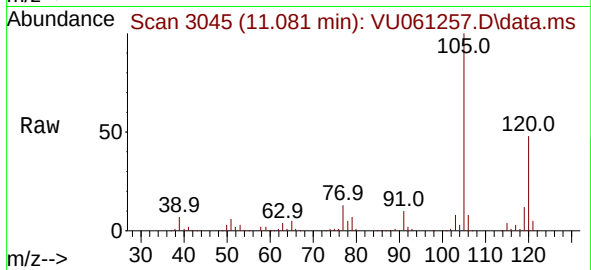
ClientSampleId :

Tgt Ion:105 Resp: 253381

Ion Ratio Lower Upper

105 100

120 47.6 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 5.112 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061257.D

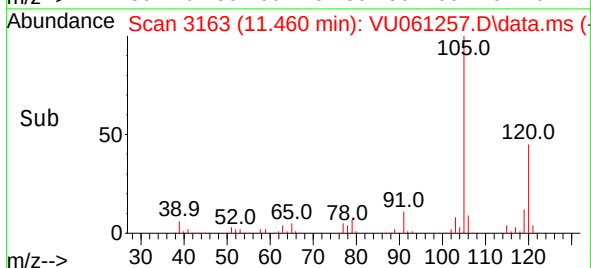
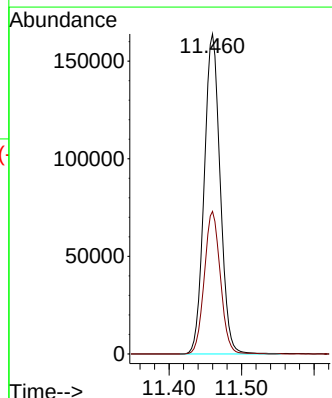
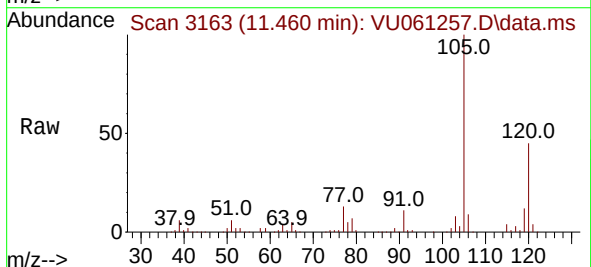
Acq: 26 Oct 2024 04:27

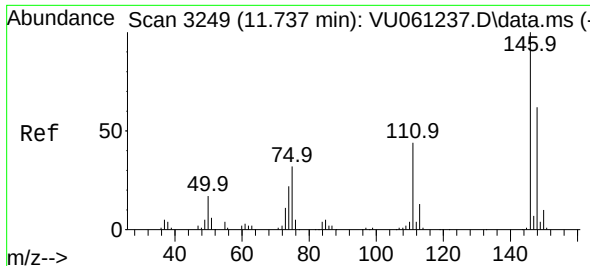
Tgt Ion:105 Resp: 250686

Ion Ratio Lower Upper

105 100

120 44.8 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.298 ug/L

RT: 11.736 min Scan# 3249

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

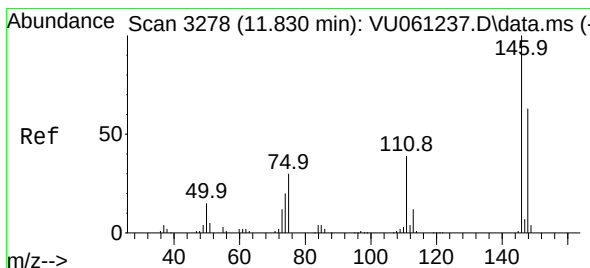
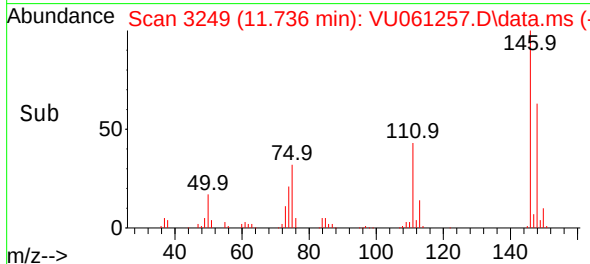
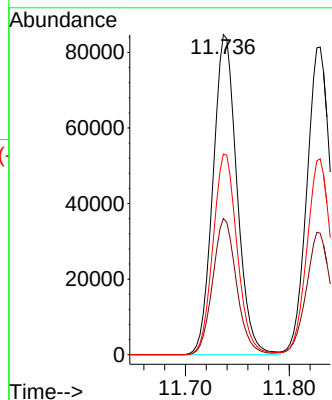
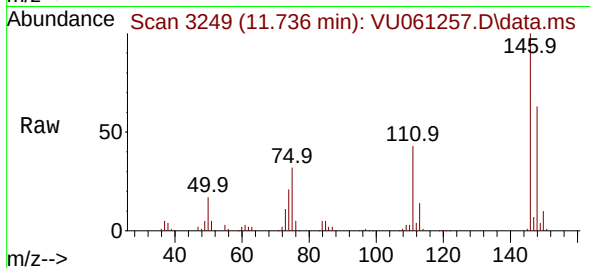
Tgt Ion:146 Resp: 135876

Ion Ratio Lower Upper

146 100

111 42.6 30.0 55.8

148 62.7 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 5.130 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

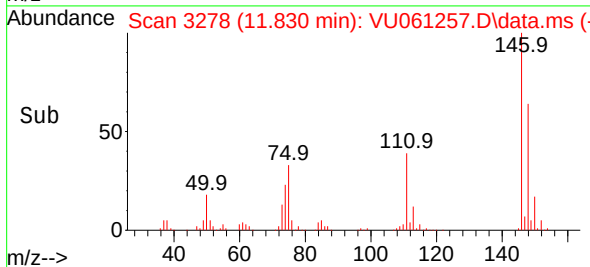
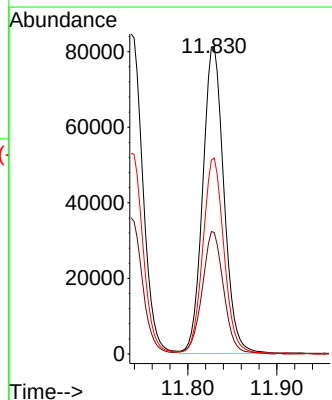
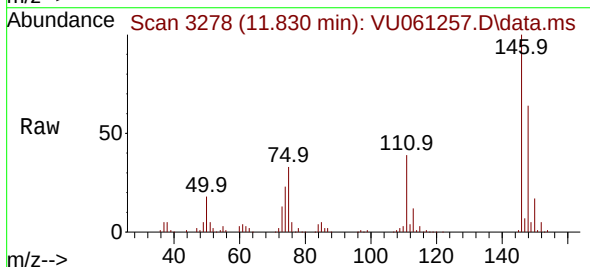
Tgt Ion:146 Resp: 134115

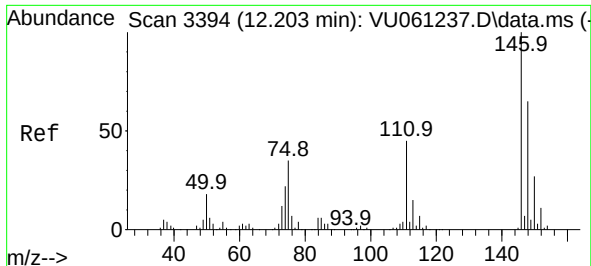
Ion Ratio Lower Upper

146 100

111 39.4 28.2 52.4

148 63.6 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 5.244 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :

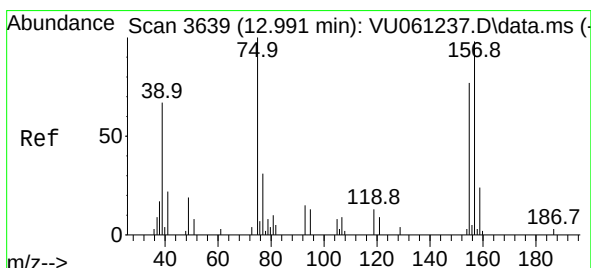
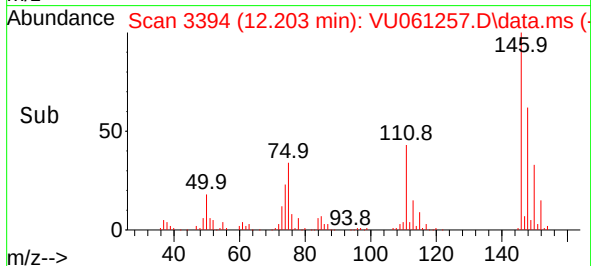
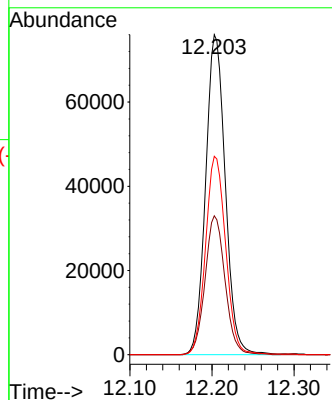
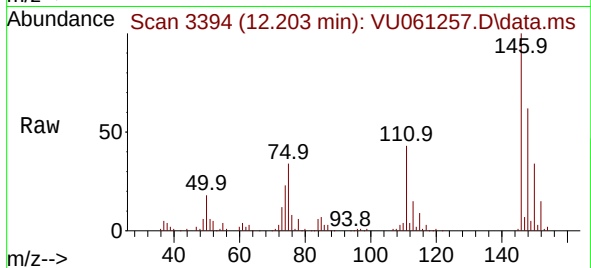
Tgt Ion:146 Resp: 126580

Ion Ratio Lower Upper

146 100

111 43.4 35.2 52.8

148 62.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.333 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

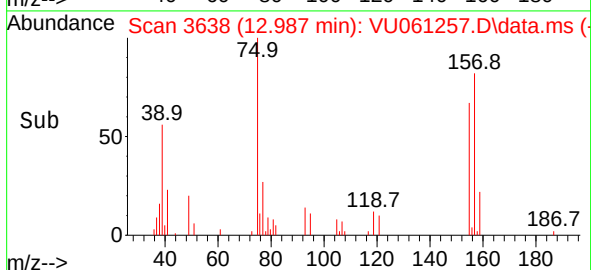
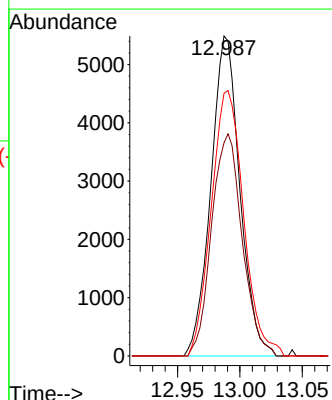
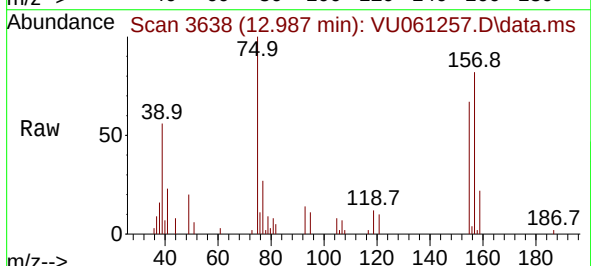
Tgt Ion: 75 Resp: 8897

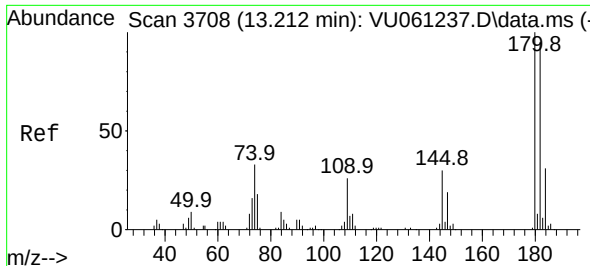
Ion Ratio Lower Upper

75 100

155 66.6 69.3 103.9#

157 82.1 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 5.132 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. -0.000 min

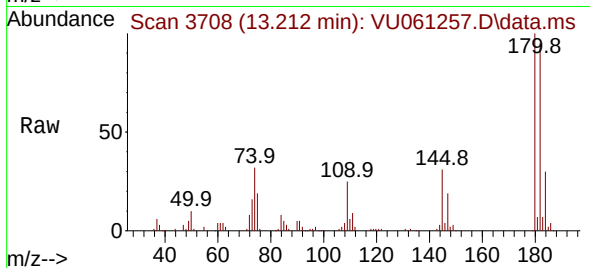
Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 90213

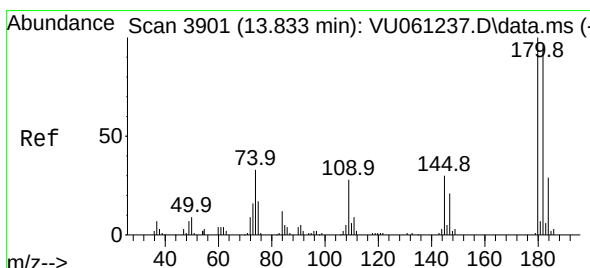
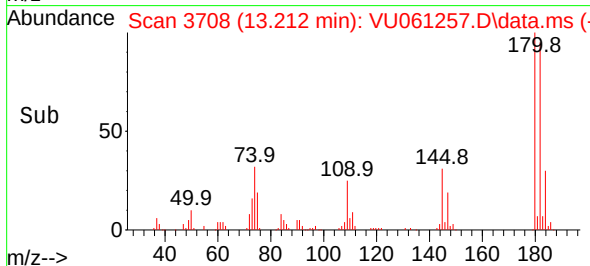
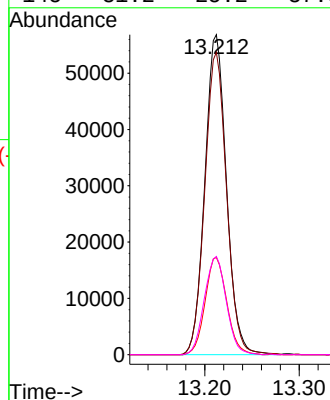
Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

184 30.5 24.4 36.6

145 31.2 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 5.277 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061257.D

Acq: 26 Oct 2024 04:27

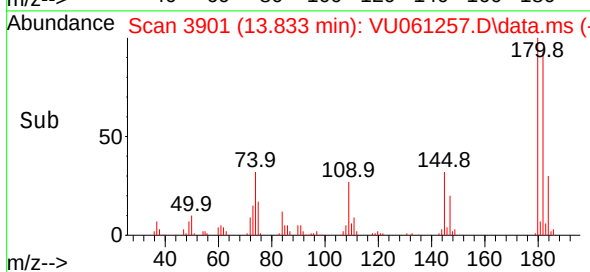
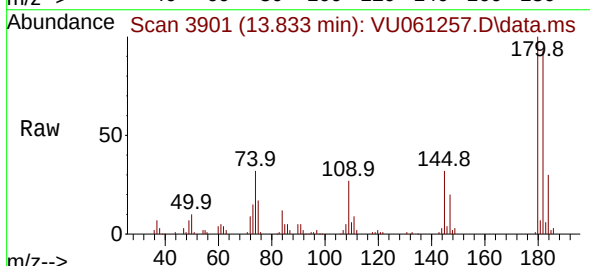
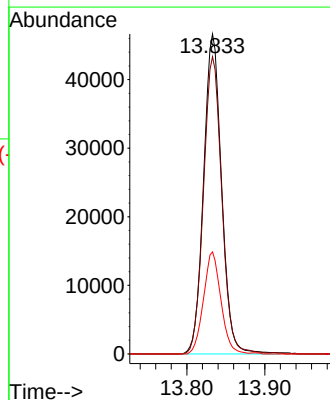
Tgt Ion:180 Resp: 74862

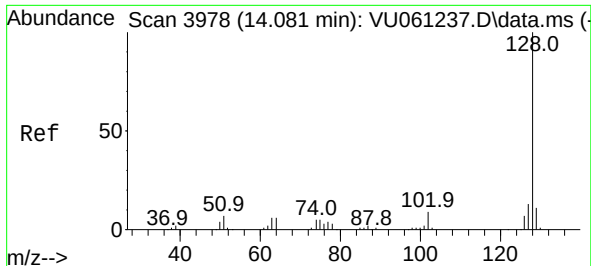
Ion Ratio Lower Upper

180 100

182 94.3 77.2 115.8

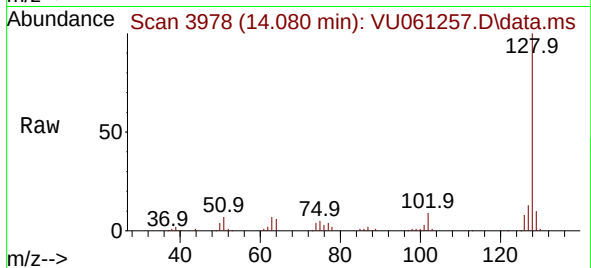
145 30.8 25.6 38.4



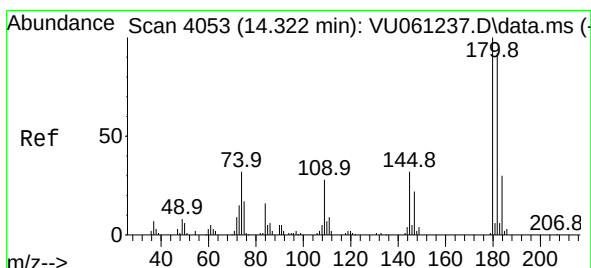
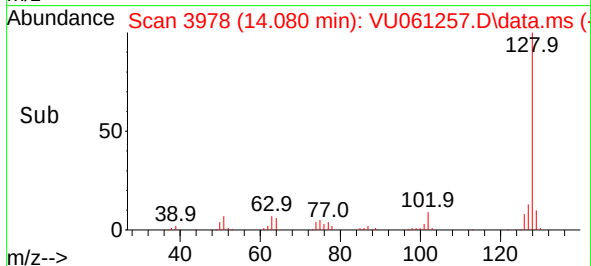
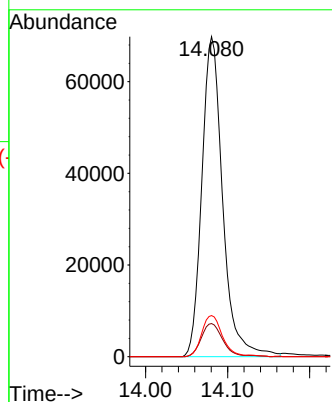


#71
Naphthalene
Concen: 5.503 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 123201
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 13.0 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.539 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU061257.D
Acq: 26 Oct 2024 04:27

Tgt Ion:180 Resp: 65738
Ion Ratio Lower Upper
180 100
182 94.4 76.0 114.0
145 33.2 26.5 39.7

