

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022124\
 Data File : VU057917.D
 Acq On : 21 Feb 2024 11:47
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 21 23:56:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 23:55:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	280024	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	271842	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	136056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	77832	38.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.780%
7) Chloroethane-d5	1.907	69	64871	43.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.580%
11) 1,1-Dichloroethene-d2	2.563	63	160278	42.422	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.840%
21) 2-Butanone-d5	4.608	46	89251	115.868	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.870%
24) Chloroform-d	5.052	84	161898	47.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.692	65	103393	47.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
32) Benzene-d6	5.717	84	311403	45.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
36) 1,2-Dichloropropane-d6	6.682	67	103672	47.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.260%
41) Toluene-d8	7.891	98	284604	46.151	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.300%
43) trans-1,3-Dichloroprop...	8.174	79	50413	48.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.240%
47) 2-Hexanone-d5	8.624	63	67129	79.380	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	130956	43.142	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.280%
66) 1,2-Dichlorobenzene-d4	12.187	152	101731	46.177	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	122853	40.019	ug/L	99
3) Chloromethane	1.518	50	128951	41.313	ug/L	98
5) Vinyl chloride	1.602	62	125870	40.837	ug/L	98
6) Bromomethane	1.853	94	66962	55.642	ug/L	97
8) Chloroethane	1.927	64	76411	42.390	ug/L	98
9) Trichlorofluoromethane	2.136	101	156831	41.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	92879	42.372	ug/L	99
12) 1,1-Dichloroethene	2.573	96	85212	42.028	ug/L	96
13) Acetone	2.608	43	114620	80.368	ug/L	100
14) Carbon disulfide	2.788	76	287057	43.263	ug/L	99
15) Methyl Acetate	2.933	43	96250	41.454	ug/L	100
16) Methylene chloride	3.036	84	108501	41.059	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	93678	44.535	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	337073	46.028	ug/L	99
19) 1,1-Dichloroethane	3.859	63	197688	45.331	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	107284	44.460	ug/L	99
22) 2-Butanone	4.685	43	139352	80.649	ug/L	98
23) Bromochloromethane	4.965	128	54397	46.397	ug/L	96
25) Chloroform	5.078	83	198154	46.019	ug/L	99

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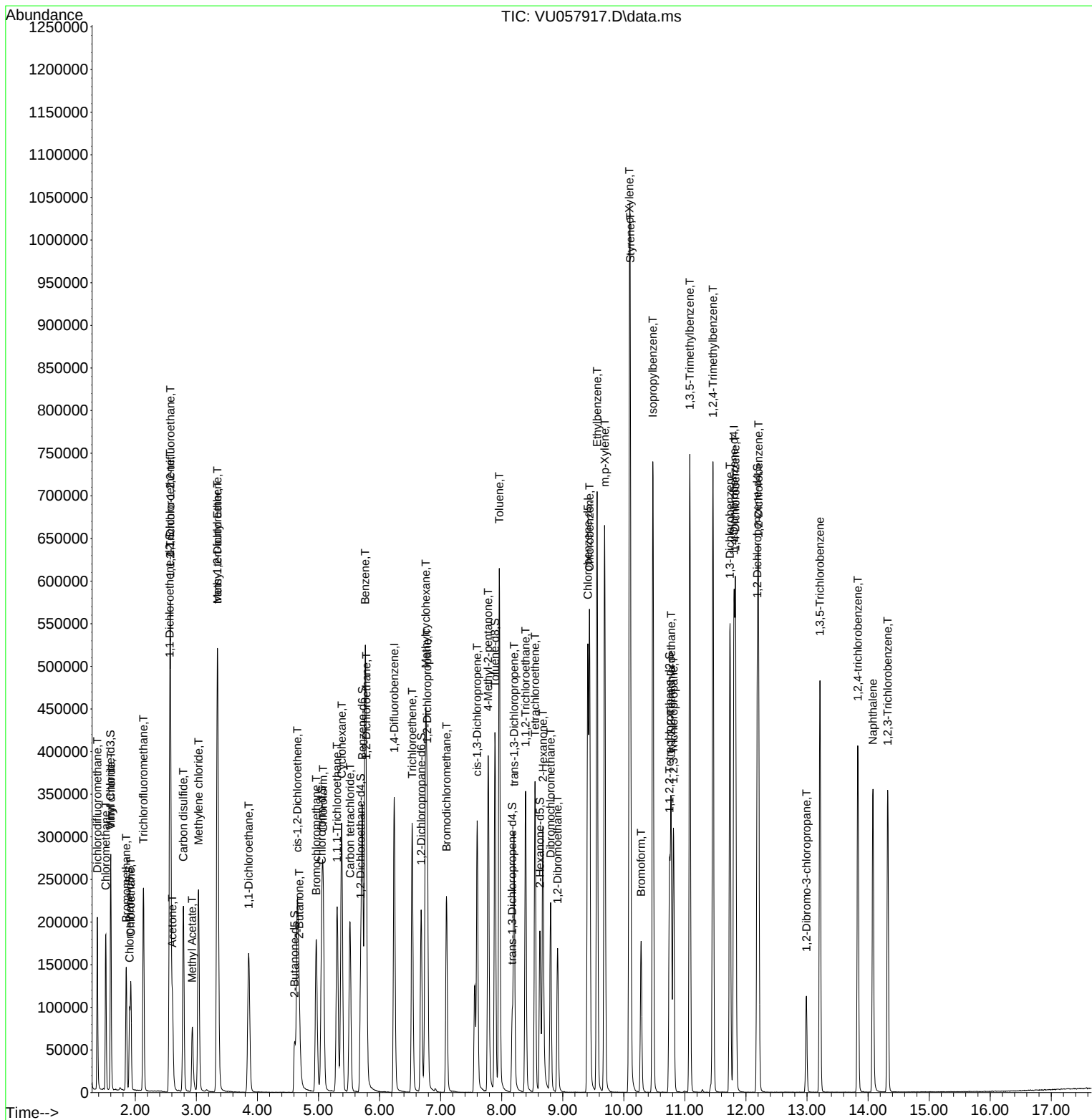
Instrument :
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 ClientSampleId :

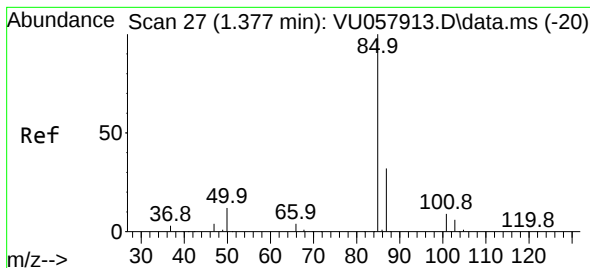
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	161340	45.032	ug/L	99
29) Cyclohexane	5.380	56	165524	41.372	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	159810	43.624	ug/L	100
31) Carbon tetrachloride	5.518	117	136997	43.549	ug/L	100
33) Benzene	5.766	78	423102	44.624	ug/L	100
34) Trichloroethene	6.534	95	110230	45.227	ug/L	99
35) Methylcyclohexane	6.756	83	168583	42.574	ug/L	99
37) 1,2-Dichloropropane	6.782	63	121562	45.437	ug/L	99
38) Bromodichloromethane	7.097	83	149501	46.535	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	186698	45.664	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	277402	82.371	ug/L	98
42) Toluene	7.962	91	445247	45.375	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	177643	46.820	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	107059	45.037	ug/L	99
46) Tetrachloroethene	8.547	164	75826	45.207	ug/L	98
48) 2-Hexanone	8.676	43	216118	78.623	ug/L	99
49) Dibromochloromethane	8.801	129	109837	46.396	ug/L	98
50) 1,2-Dibromoethane	8.917	107	113460	45.331	ug/L	99
51) Chlorobenzene	9.441	112	280369	44.932	ug/L	98
52) Ethylbenzene	9.563	91	492532	44.764	ug/L	99
53) m,p-Xylene	9.688	106	179839	44.944	ug/L	100
54) o-Xylene	10.094	106	180647	45.692	ug/L	96
55) Styrene	10.106	104	307137	45.303	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	167653	41.401	ug/L	98
59) Bromoform	10.283	173	75801	45.386	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	130481	41.394	ug/L	99
61) Isopropylbenzene	10.476	105	474590	44.635	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	398543	43.506	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	402228	43.697	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	208946	44.445	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	210889	44.034	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	201042	43.467	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	30242	40.408	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	140007	44.278	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	118645	46.603	ug/L	100
71) Naphthalene	14.080	128	279203	41.298	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	102092	43.659	ug/L	100

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

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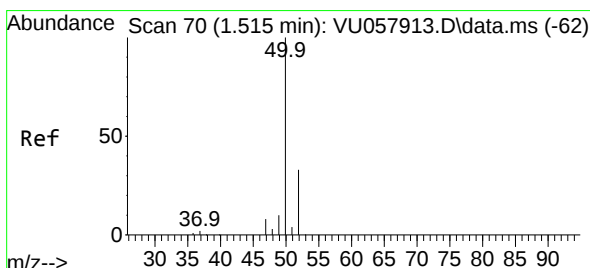
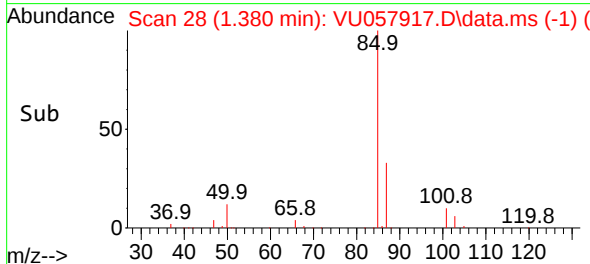
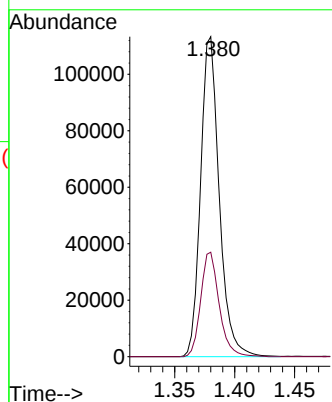
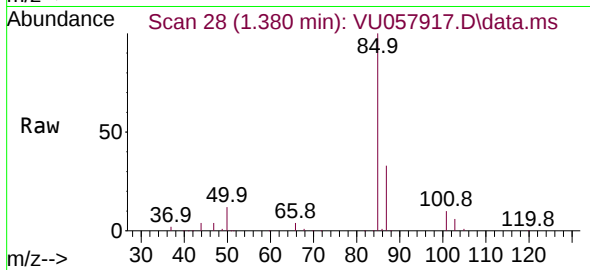




#2
Dichlorodifluoromethane
Concen: 40.019 ug/L
RT: 1.380 min Scan# 27
Delta R.T. 0.003 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

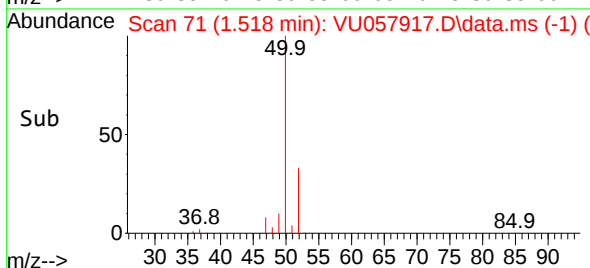
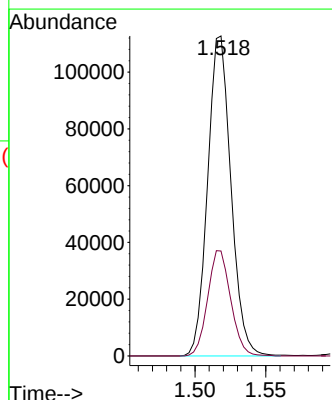
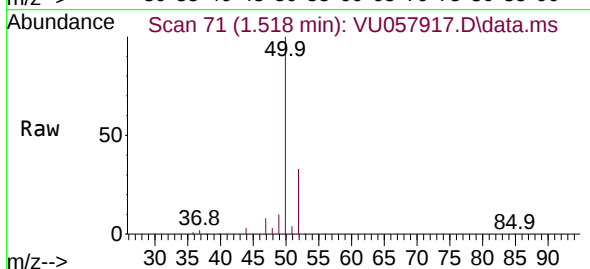
Instrument :
MSVOA_U
ClientSampleId :

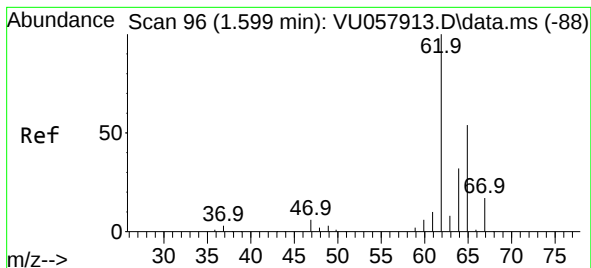
Tgt Ion: 85 Resp: 122853
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.2



#3
Chloromethane
Concen: 41.313 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 50 Resp: 128951
Ion Ratio Lower Upper
50 100
52 32.8 23.8 44.2





#5

Vinyl chloride

Concen: 40.837 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

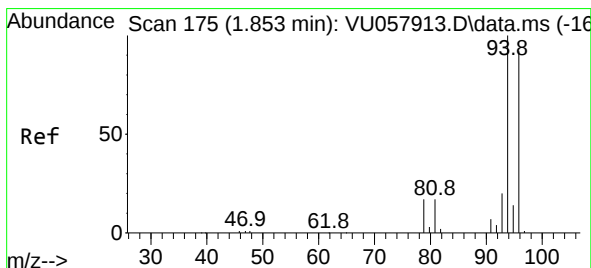
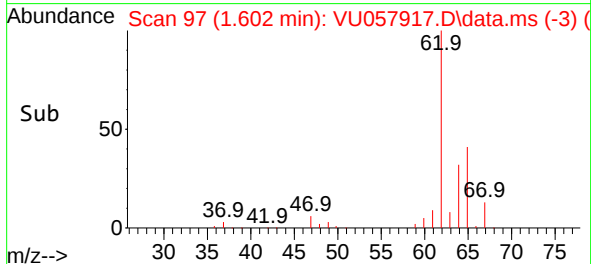
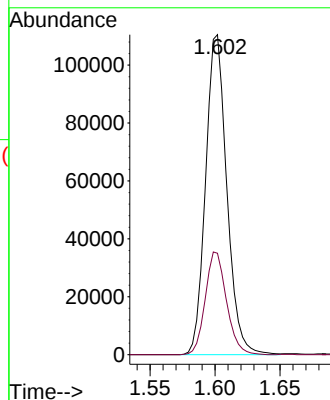
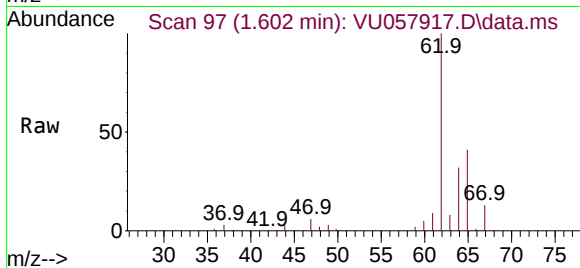
ClientSampleId :

Tgt Ion: 62 Resp: 125870

Ion Ratio Lower Upper

62 100

64 31.7 23.1 42.9



#6

Bromomethane

Concen: 55.642 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU057917.D

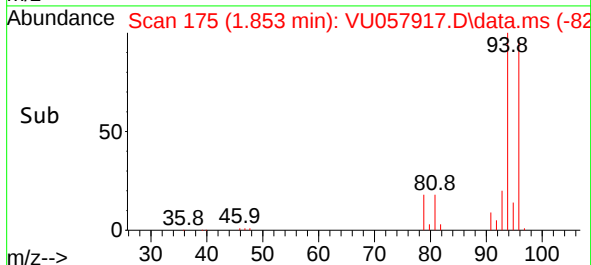
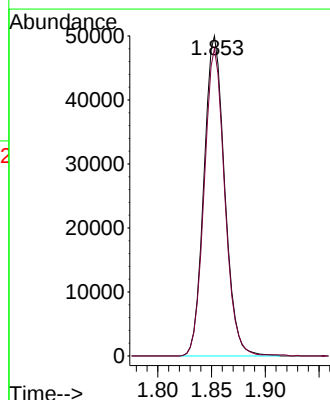
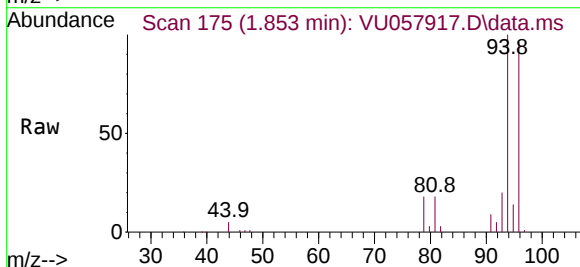
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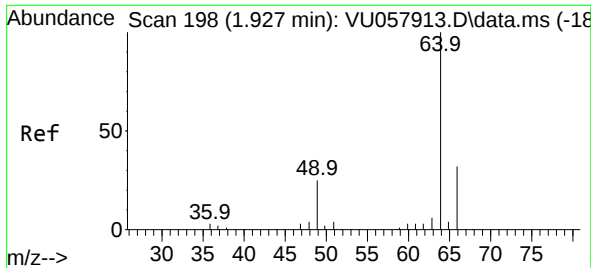
Tgt Ion: 94 Resp: 66962

Ion Ratio Lower Upper

94 100

96 96.1 65.5 121.7

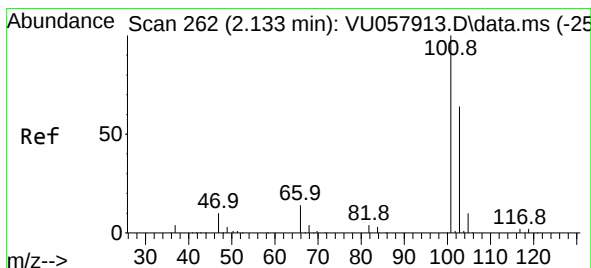
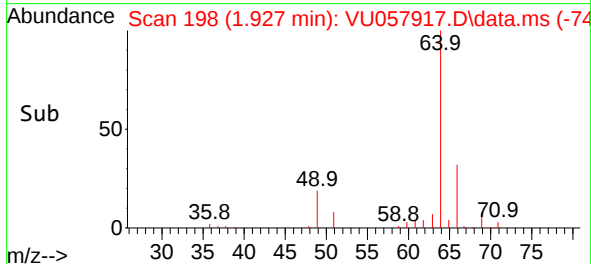
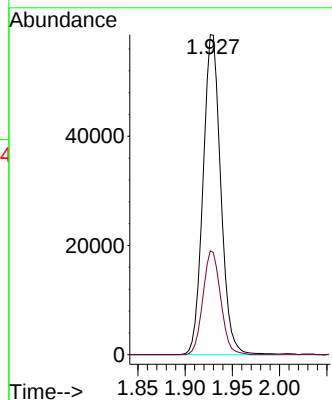
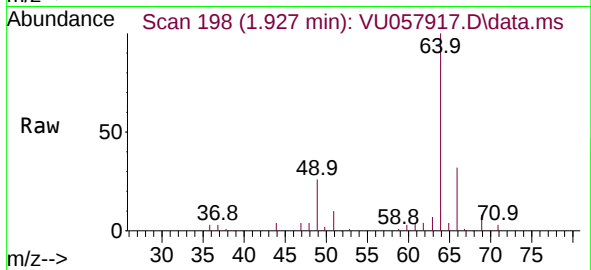




#8
Chloroethane
Concen: 42.390 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

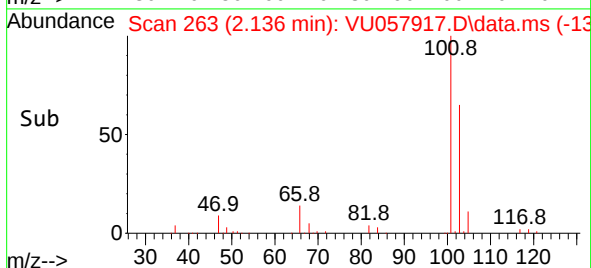
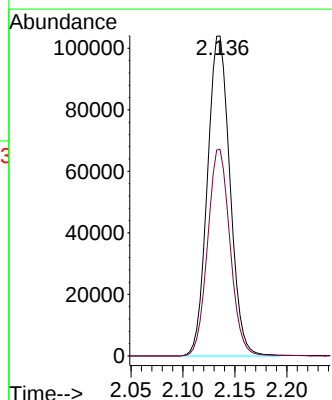
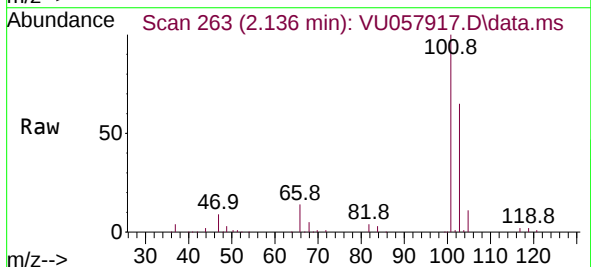
Instrument :
MSVOA_U
ClientSampleId :

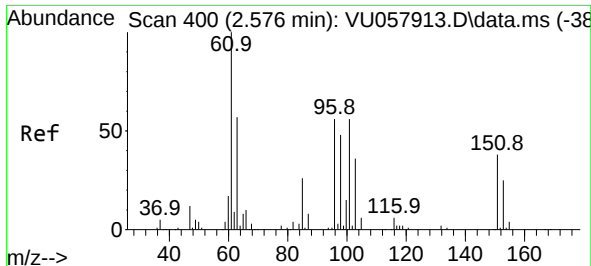
Tgt Ion: 64 Resp: 76411
Ion Ratio Lower Upper
64 100
66 33.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 41.582 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion:101 Resp: 156831
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

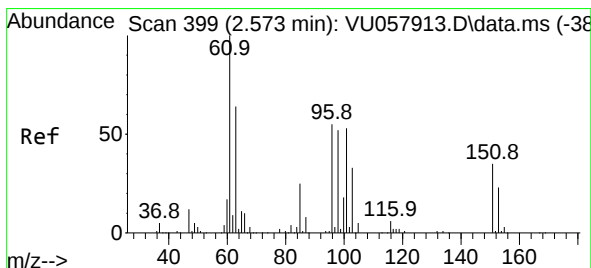
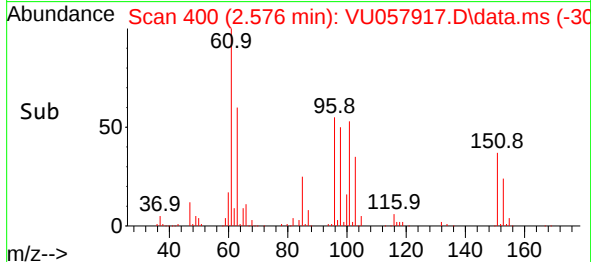
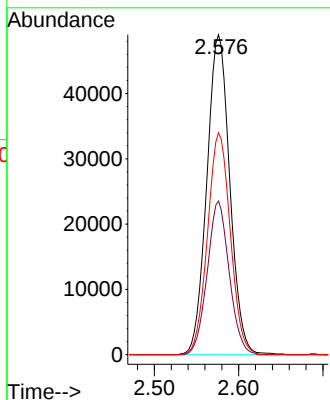
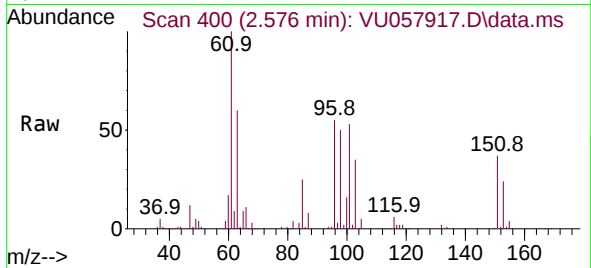




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.372 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057917.D
 Acq: 21 Feb 2024 11:47

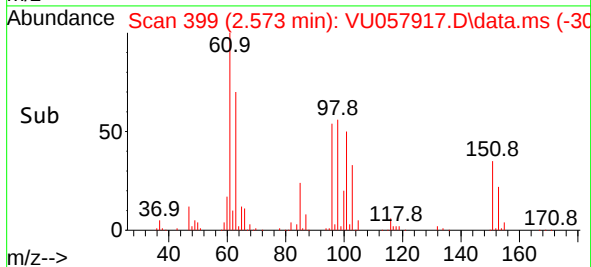
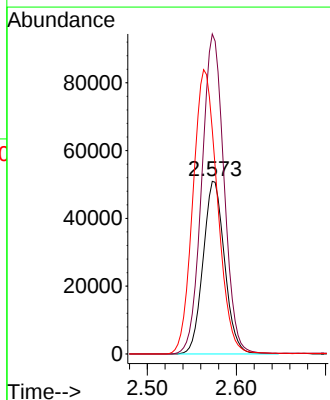
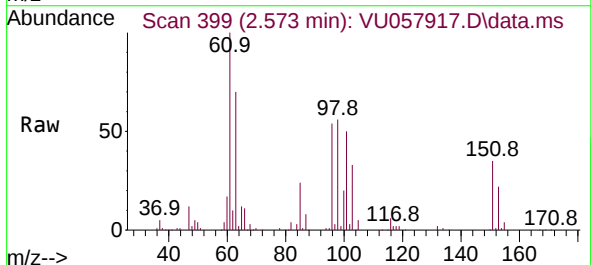
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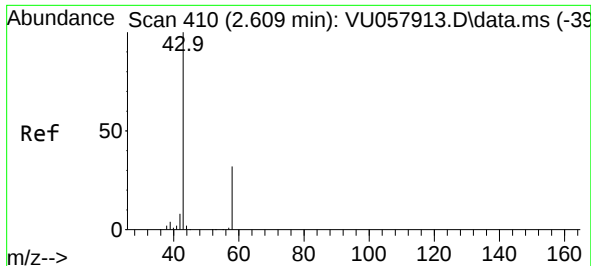
Tgt Ion:101 Resp: 92879
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.7 53.5
 151 68.8 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 42.028 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057917.D
 Acq: 21 Feb 2024 11:47

Tgt Ion: 96 Resp: 85212
 Ion Ratio Lower Upper
 96 100
 61 185.3 126.8 235.6
 63 129.8 86.5 160.7





#13

Acetone

Concen: 80.368 ug/L

RT: 2.608 min Scan# 410

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

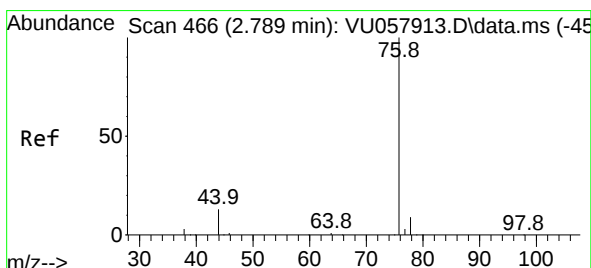
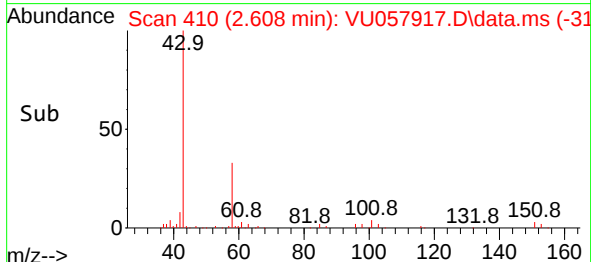
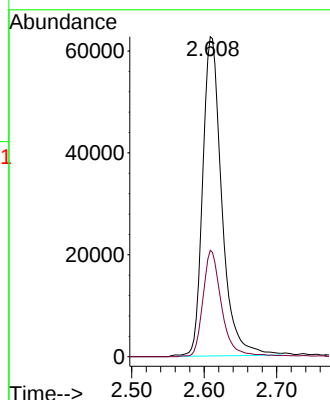
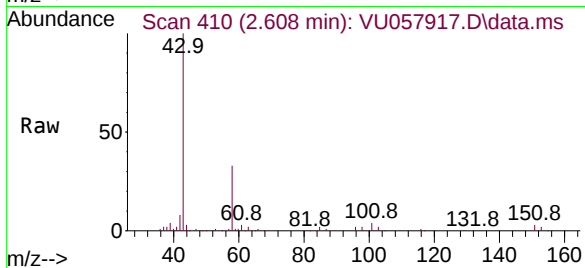
ClientSampleId :

Tgt Ion: 43 Resp: 114620

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.2



#14

Carbon disulfide

Concen: 43.263 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057917.D

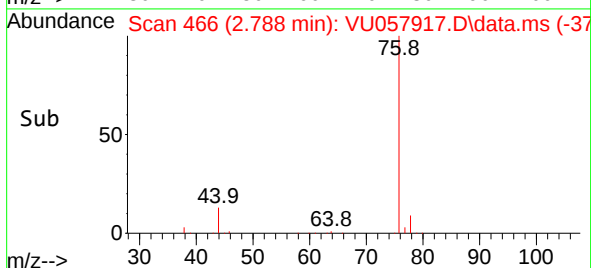
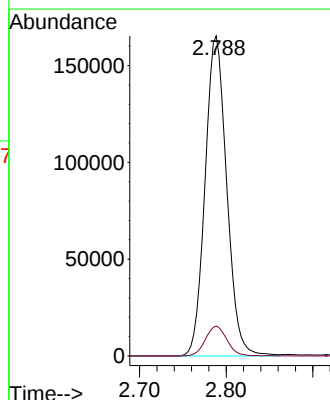
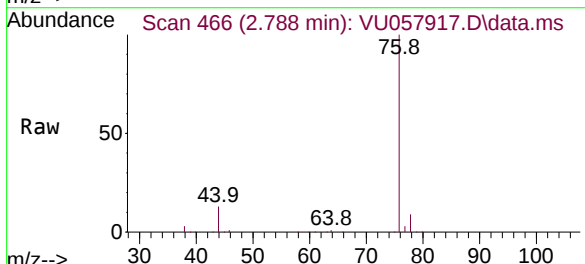
Acq: 21 Feb 2024 11:47

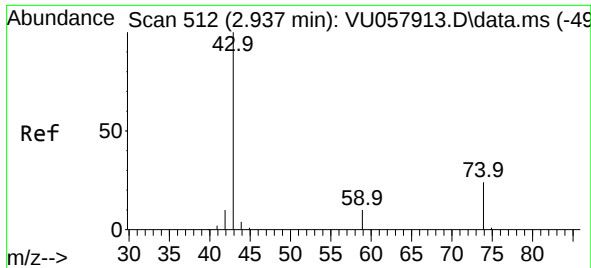
Tgt Ion: 76 Resp: 287057

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

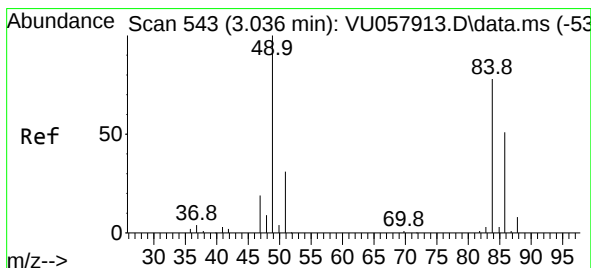
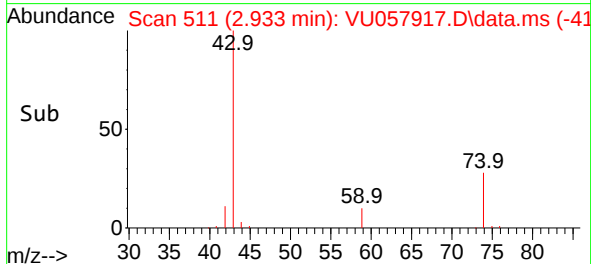
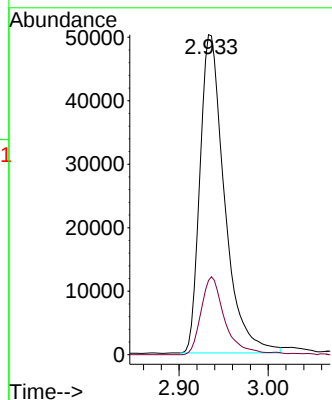
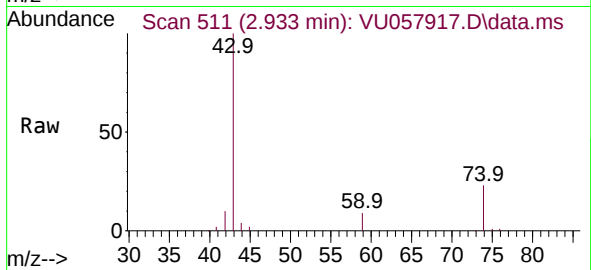




#15
Methyl Acetate
Concen: 41.454 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.004 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

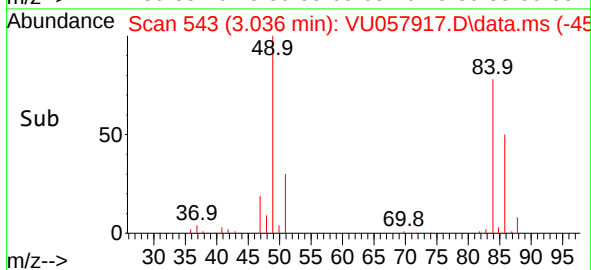
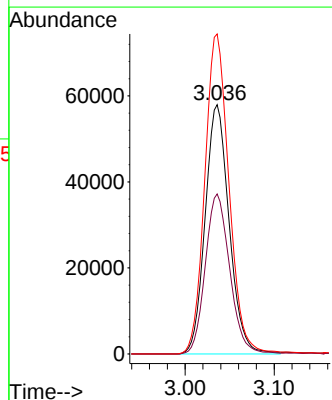
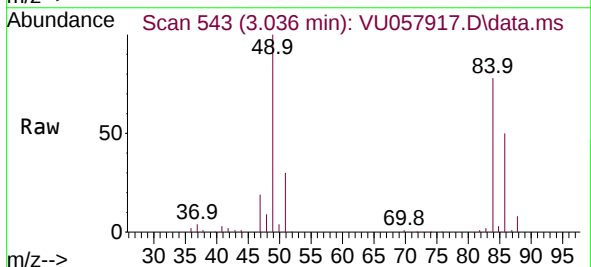
Instrument :
MSVOA_U
ClientSampleId :

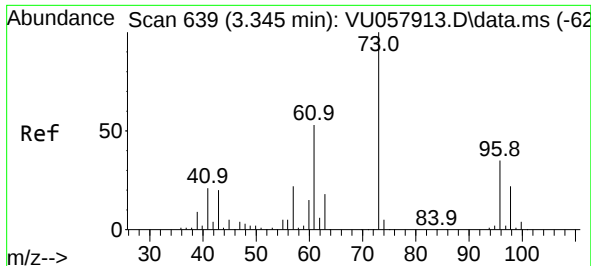
Tgt Ion: 43 Resp: 96250
Ion Ratio Lower Upper
43 100
74 23.4 18.6 27.8



#16
Methylene chloride
Concen: 41.059 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 84 Resp: 108501
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.7
49 128.4 89.7 166.5

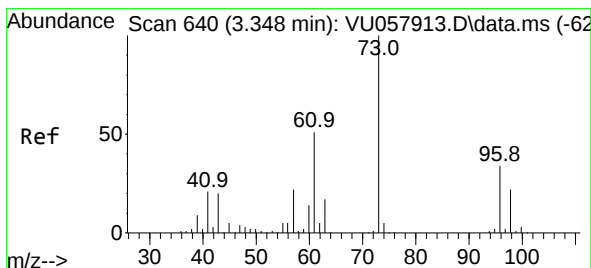
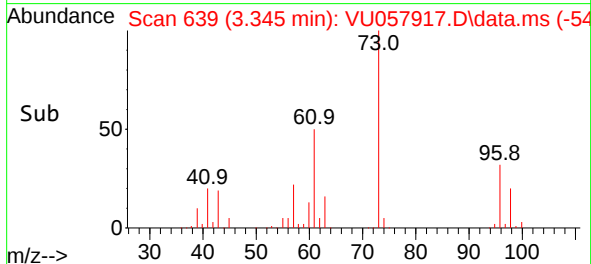
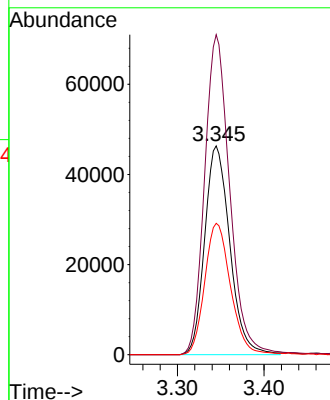
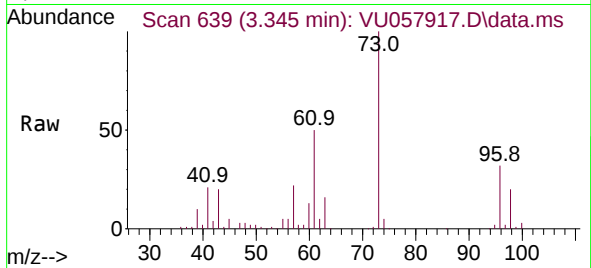




#17
trans-1,2-Dichloroethene
Concen: 44.535 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

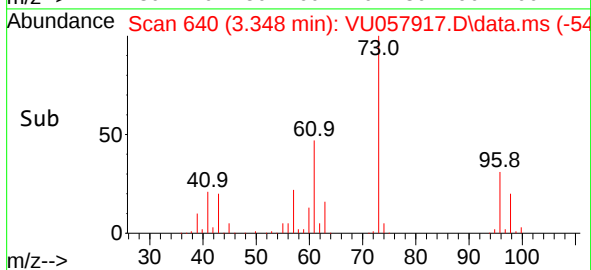
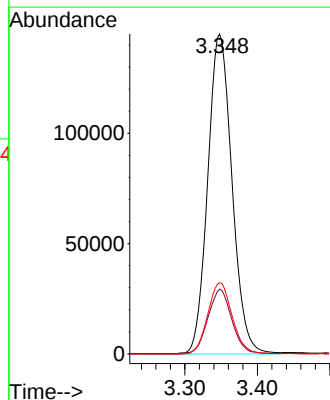
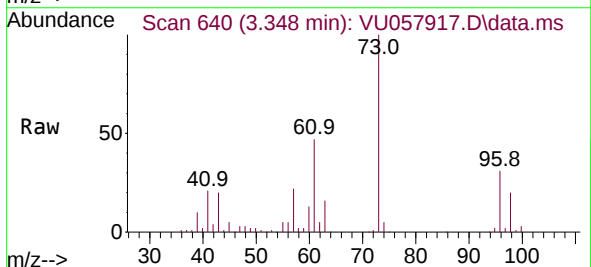
Instrument :
MSVOA_U
ClientSampleId :

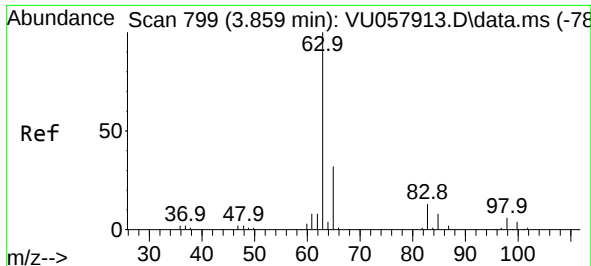
Tgt Ion: 96 Resp: 93678
Ion Ratio Lower Upper
96 100
61 153.2 106.3 197.3
98 62.9 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 46.028 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 73 Resp: 337073
Ion Ratio Lower Upper
73 100
43 19.6 16.0 24.0
57 22.4 17.8 26.6





#19

1,1-Dichloroethane

Concen: 45.331 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

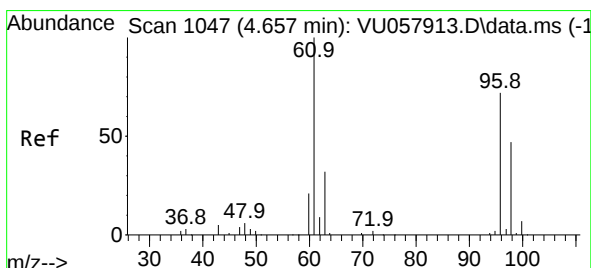
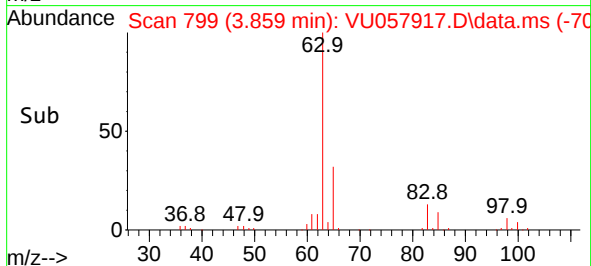
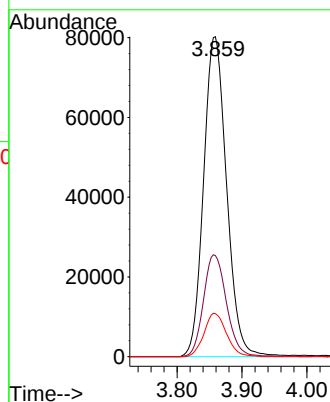
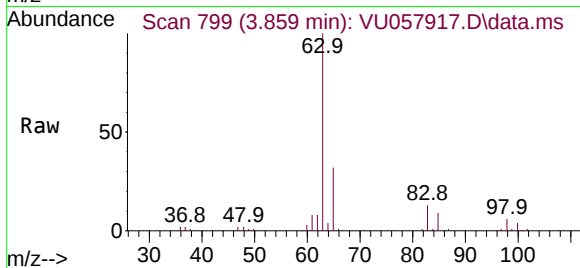
Tgt Ion: 63 Resp: 197688

Ion Ratio Lower Upper

63 100

65 31.6 21.7 40.3

83 13.5 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 44.460 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

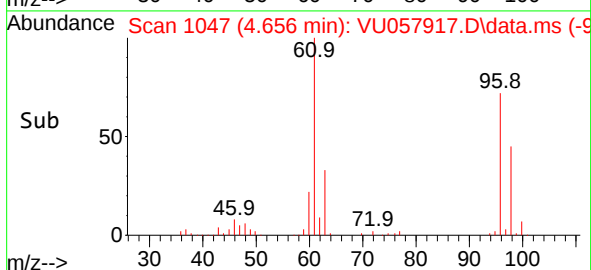
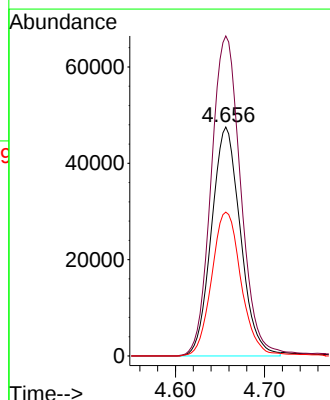
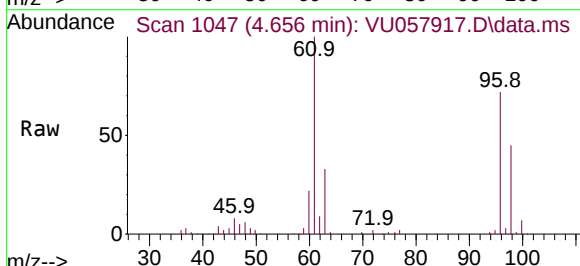
Tgt Ion: 96 Resp: 107284

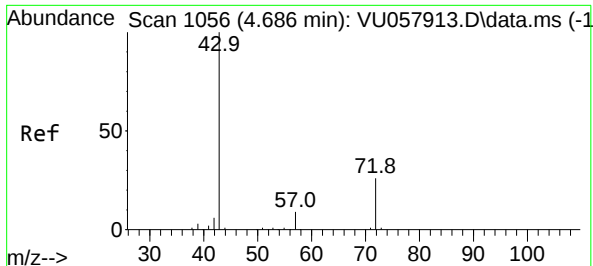
Ion Ratio Lower Upper

96 100

61 139.8 96.7 179.7

98 62.8 44.3 82.3

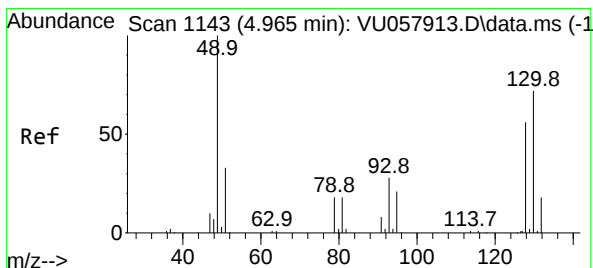
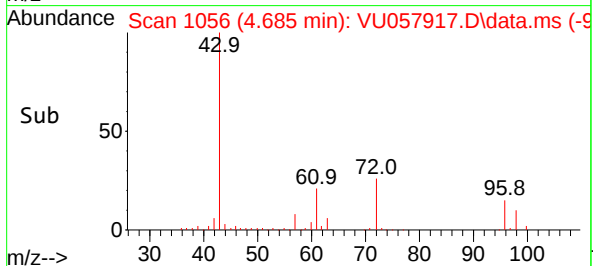
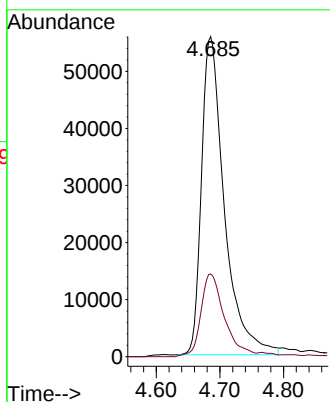
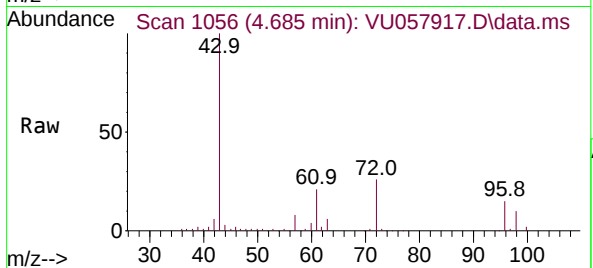




#22
2-Butanone
Concen: 80.649 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

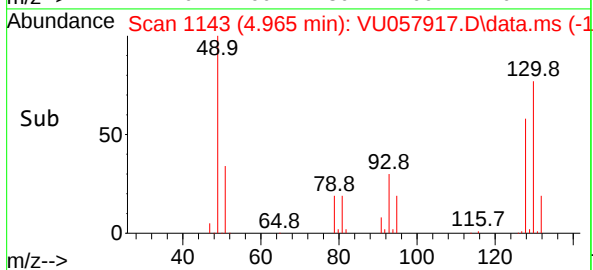
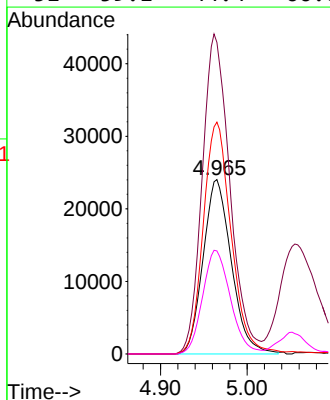
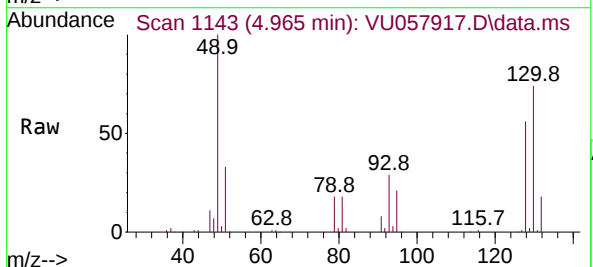
Instrument :
MSVOA_U
ClientSampleId :

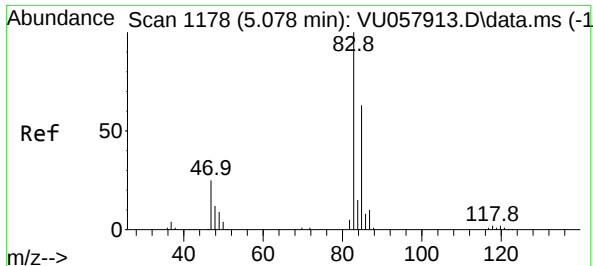
Tgt Ion: 43 Resp: 139352
Ion Ratio Lower Upper
43 100
72 26.6 13.8 41.3



#23
Bromochloromethane
Concen: 46.397 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion:128 Resp: 54397
Ion Ratio Lower Upper
128 100
49 178.6 124.0 230.4
130 132.9 87.8 163.0
51 59.1 44.4 66.6





#25

Chloroform

Concen: 46.019 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

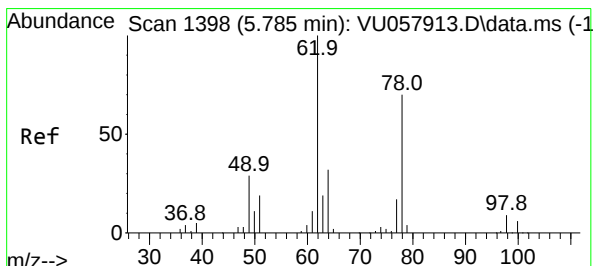
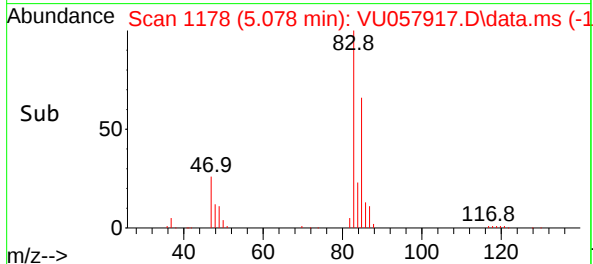
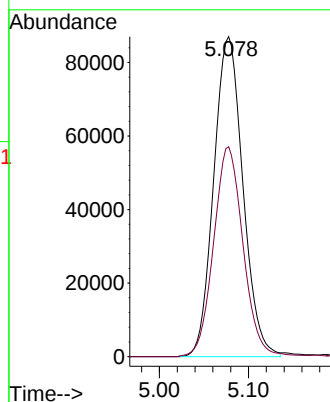
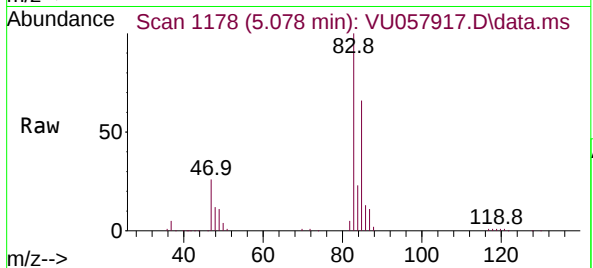
ClientSampleId :

Tgt Ion: 83 Resp: 198154

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 45.032 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057917.D

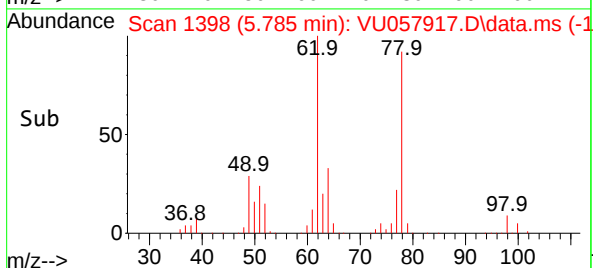
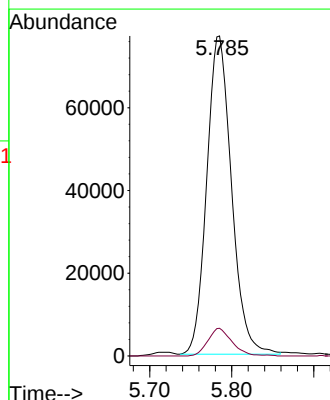
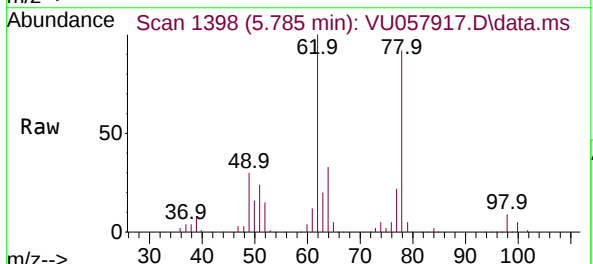
Acq: 21 Feb 2024 11:47

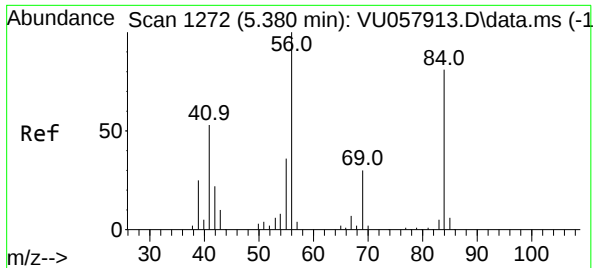
Tgt Ion: 62 Resp: 161340

Ion Ratio Lower Upper

62 100

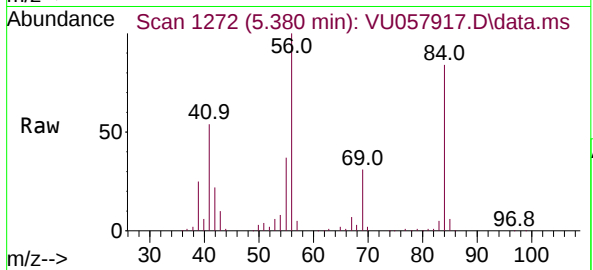
98 8.6 7.1 10.7



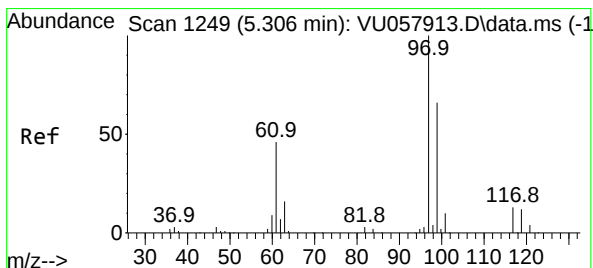
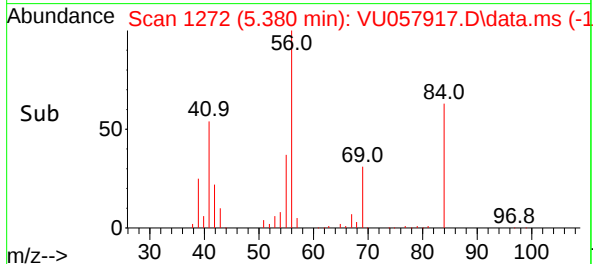
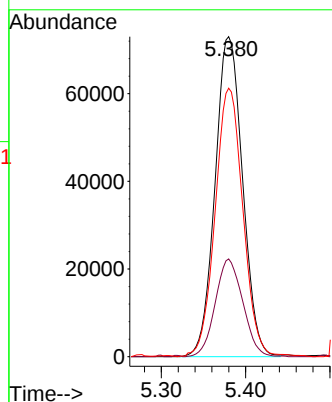


#29
Cyclohexane
Concen: 41.372 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Instrument :
MSVOA_U
ClientSampleId :

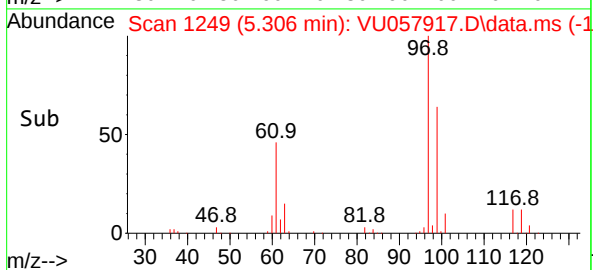
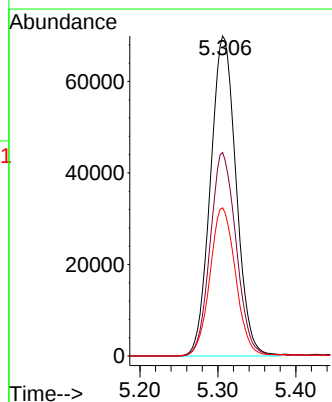
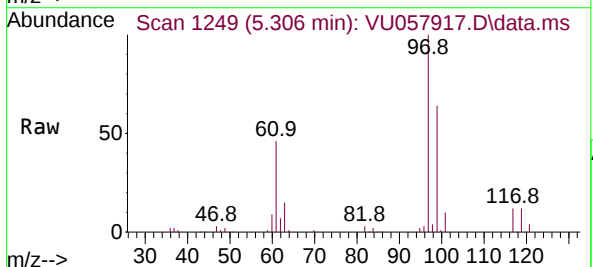


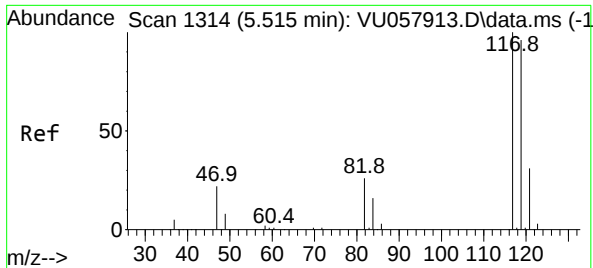
Tgt Ion: 56 Resp: 165524
Ion Ratio Lower Upper
56 100
69 30.5 24.6 36.8
84 84.0 66.9 100.3



#30
1,1,1-Trichloroethane
Concen: 43.624 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 97 Resp: 159810
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 46.4 36.8 55.2

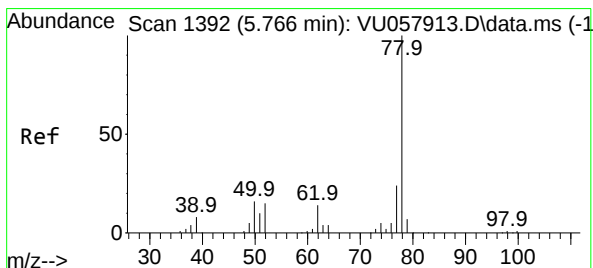
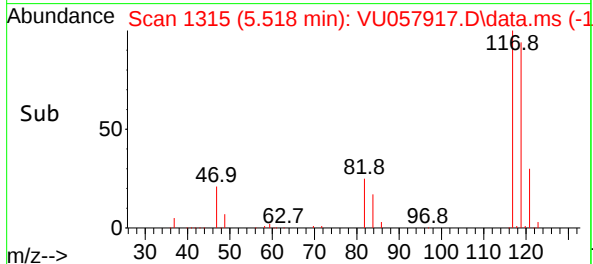
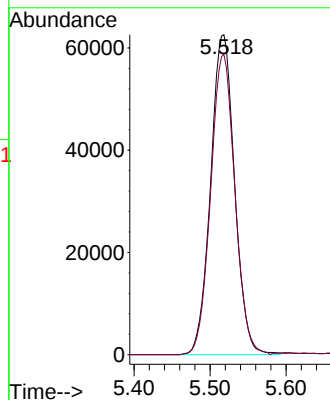
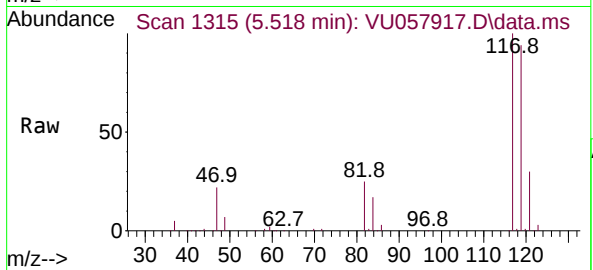




#31
Carbon tetrachloride
Concen: 43.549 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

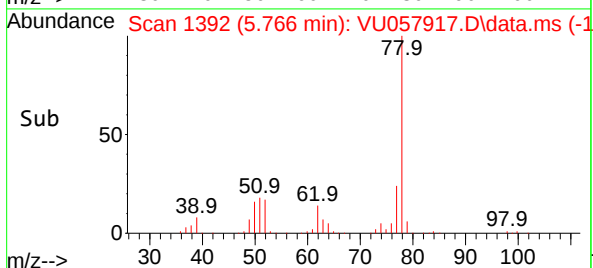
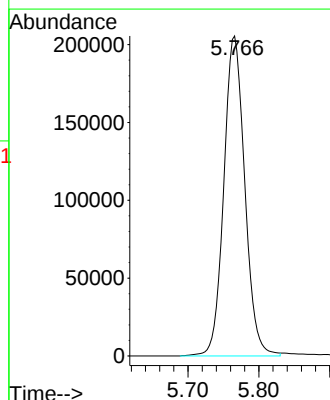
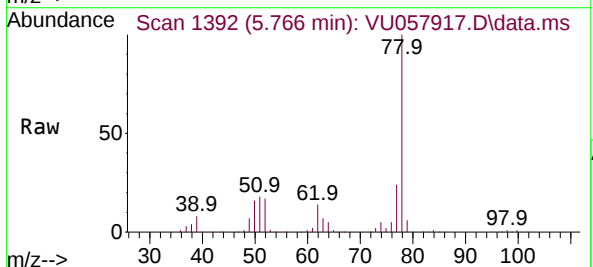
Instrument :
MSVOA_U
ClientSampleId :

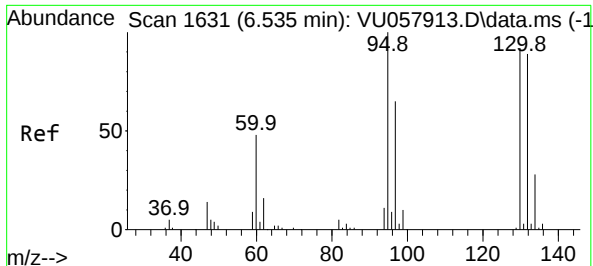
Tgt Ion:117 Resp: 136997
Ion Ratio Lower Upper
117 100
119 94.8 75.9 113.9



#33
Benzene
Concen: 44.624 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

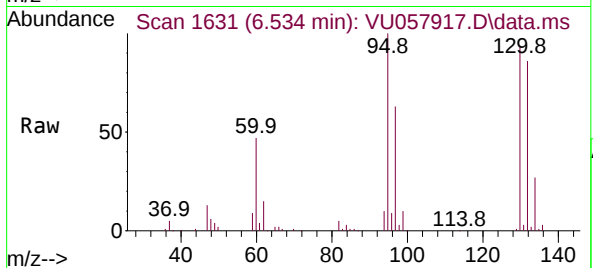
Tgt Ion: 78 Resp: 423102





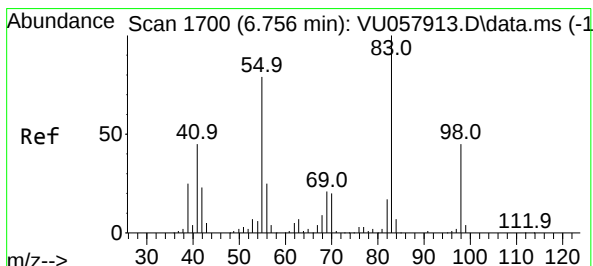
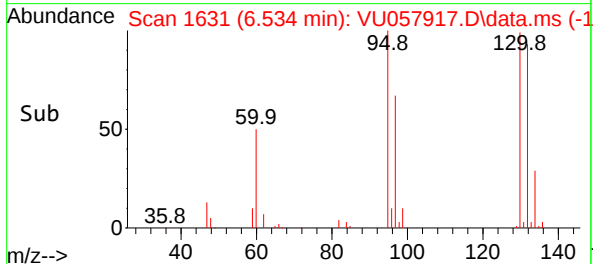
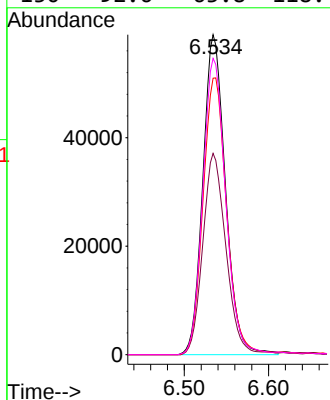
#34
Trichloroethene
Concen: 45.227 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 110230

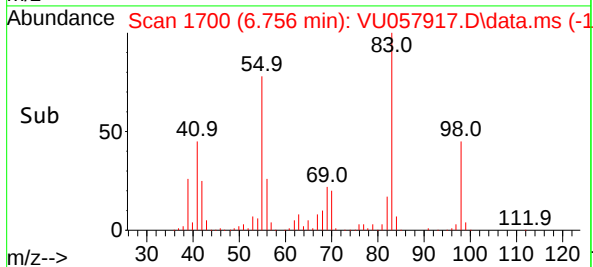
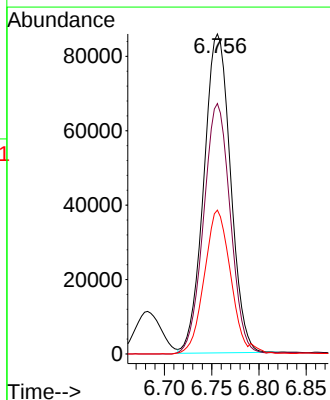
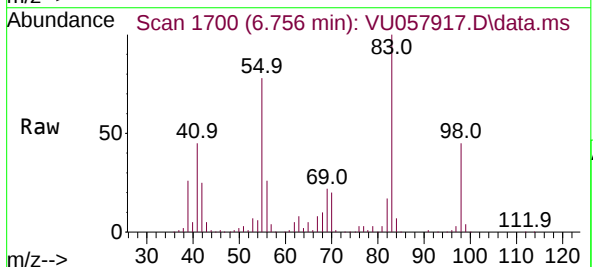
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.2	82.2
132	86.4	61.4	114.0
130	92.6	63.8	118.4

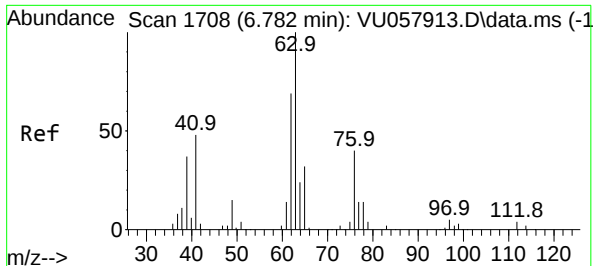


#35
Methylcyclohexane
Concen: 42.574 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 83 Resp: 168583

Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.7	94.1
98	43.7	36.3	54.5





#37

1,2-Dichloropropane

Concen: 45.437 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

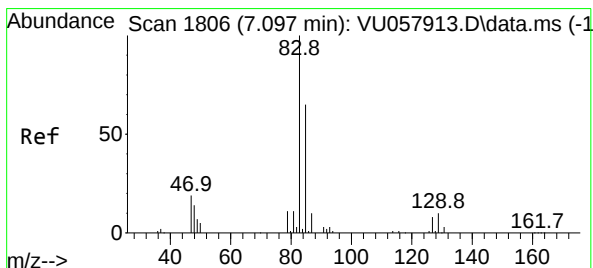
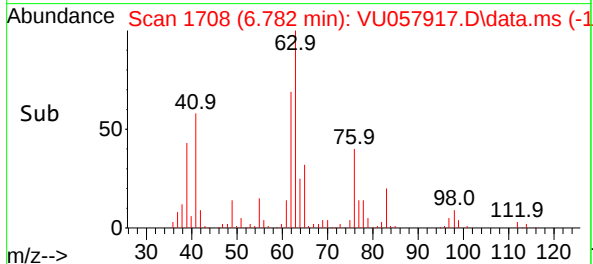
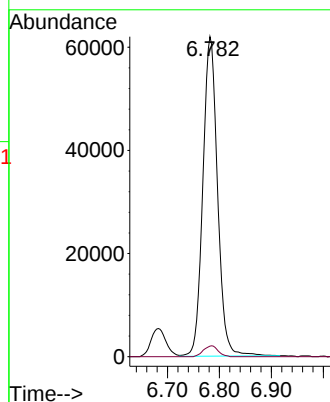
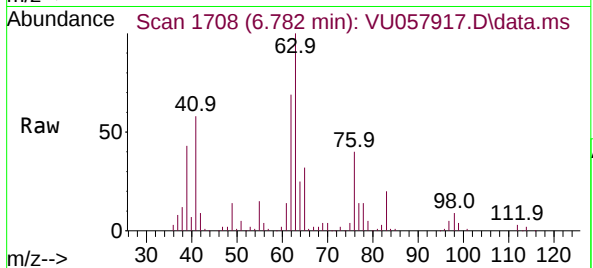
ClientSampleId :

Tgt Ion: 63 Resp: 121562

Ion Ratio Lower Upper

63 100

112 3.4 2.9 4.3



#38

Bromodichloromethane

Concen: 46.535 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

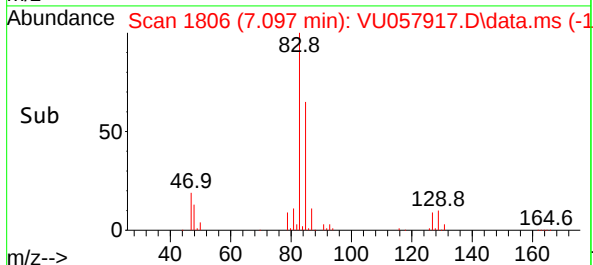
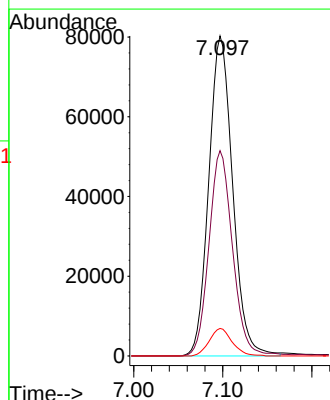
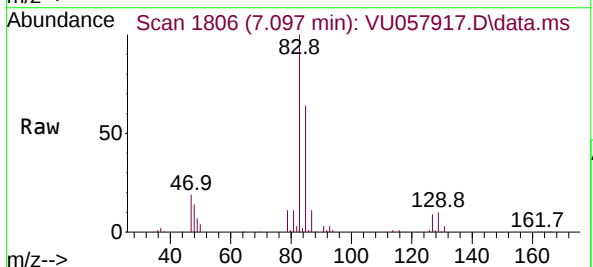
Tgt Ion: 83 Resp: 149501

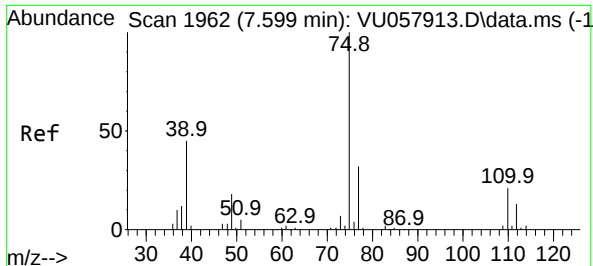
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 8.6 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 45.664 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

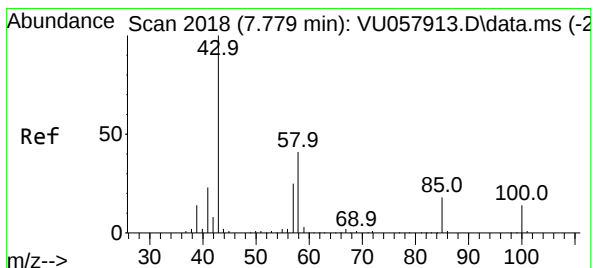
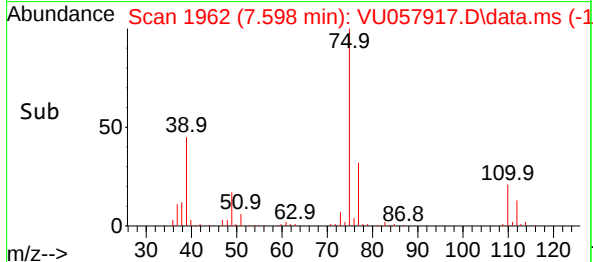
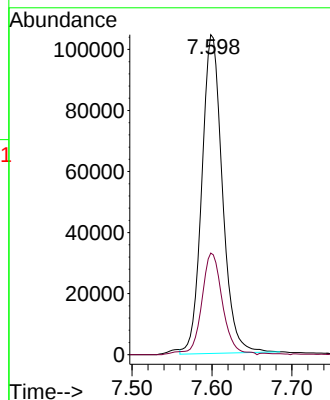
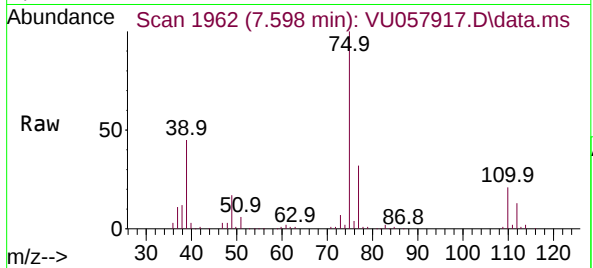
ClientSampleId :

Tgt Ion: 75 Resp: 186698

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 82.371 ug/L

RT: 7.778 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

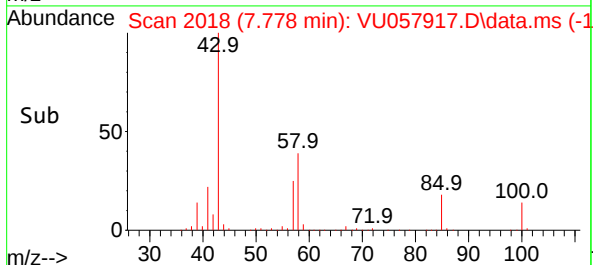
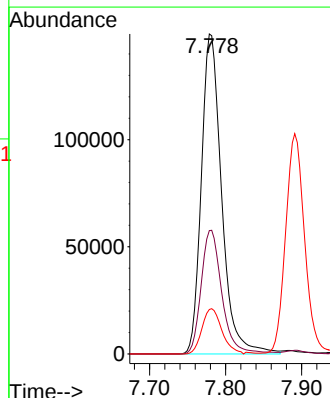
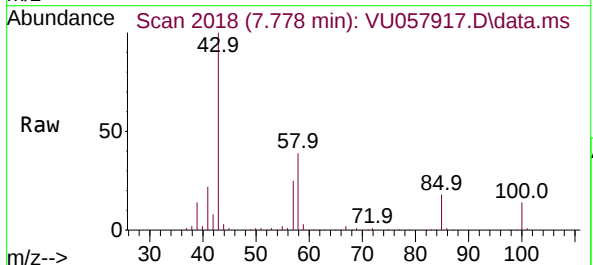
Tgt Ion: 43 Resp: 277402

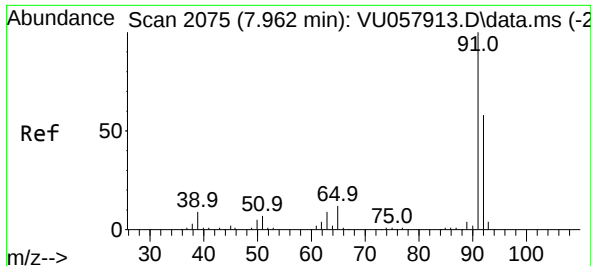
Ion Ratio Lower Upper

43 100

58 39.2 32.3 48.5

100 13.9 11.4 17.0





#42

Toluene

Concen: 45.375 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

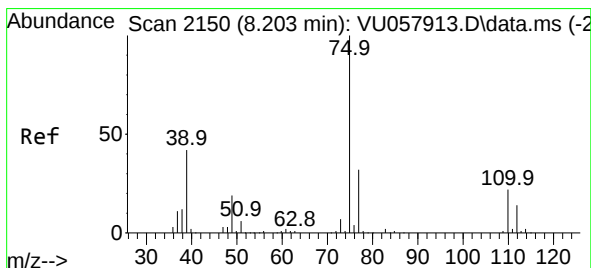
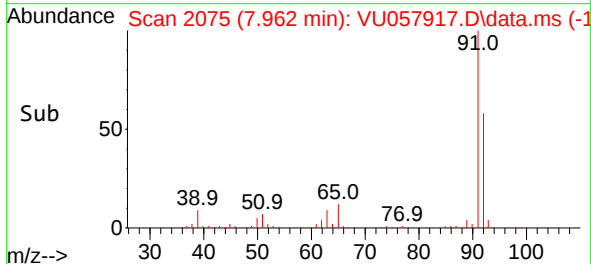
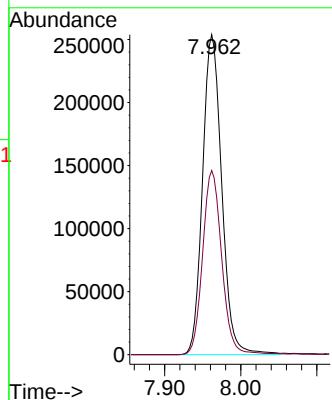
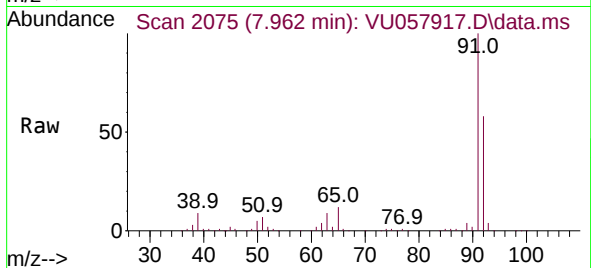
ClientSampleId :

Tgt Ion: 91 Resp: 445247

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 46.820 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057917.D

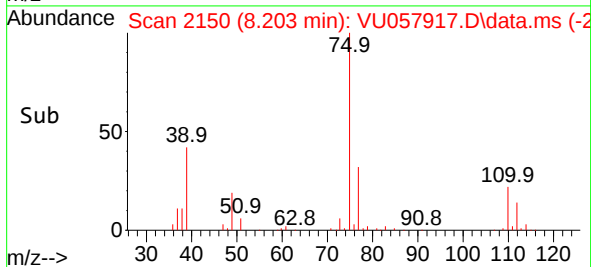
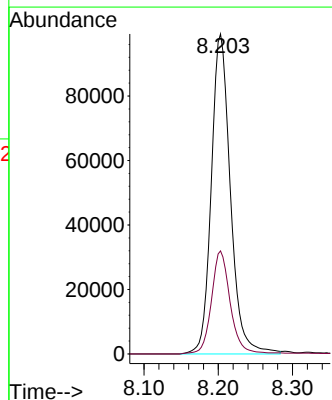
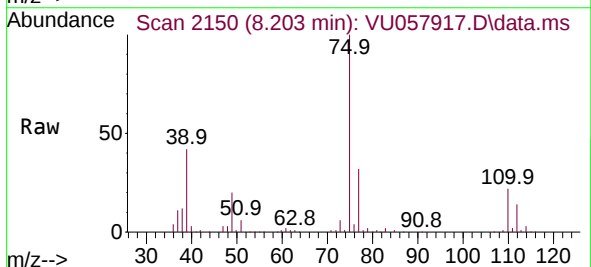
Acq: 21 Feb 2024 11:47

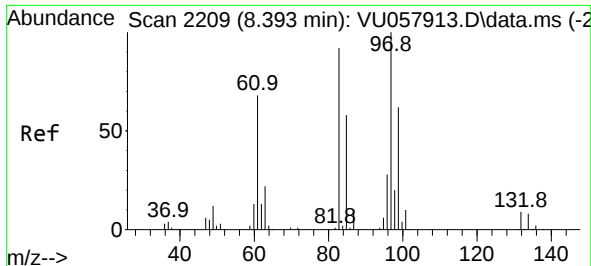
Tgt Ion: 75 Resp: 177643

Ion Ratio Lower Upper

75 100

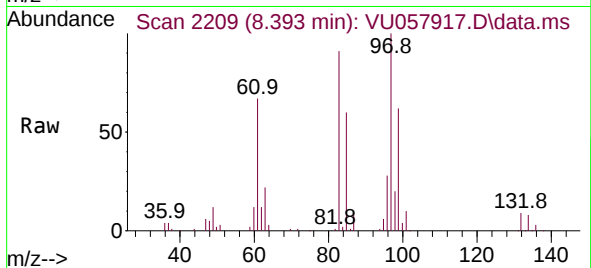
77 32.2 21.8 40.4





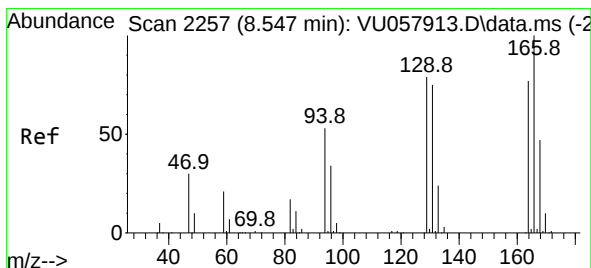
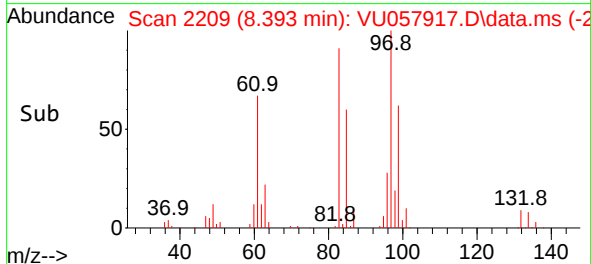
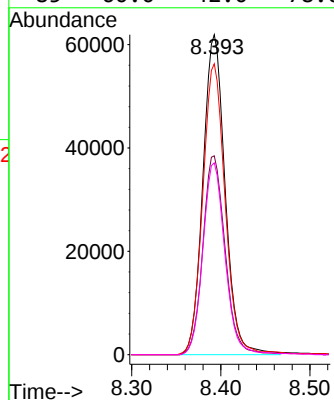
#45
1,1,2-Trichloroethane
Concen: 45.037 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 107059

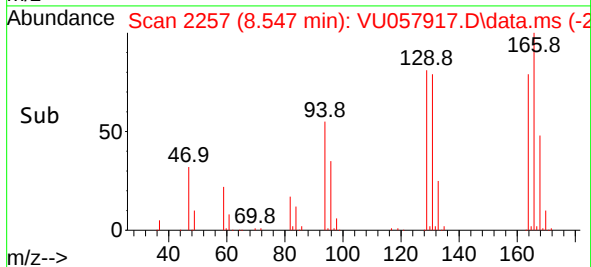
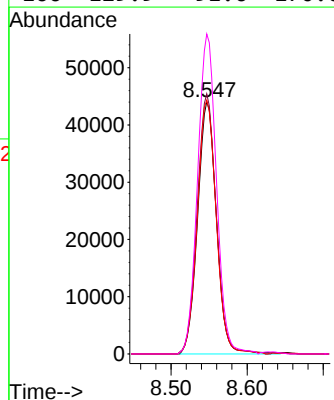
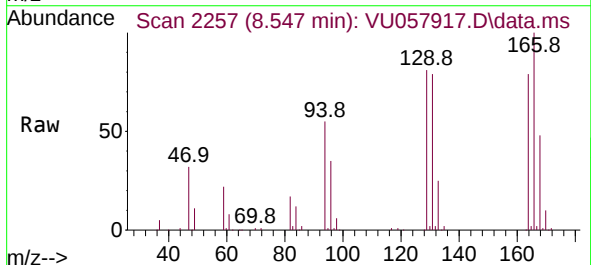
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.0	80.0
83	90.9	65.0	120.6
85	60.0	42.0	78.0

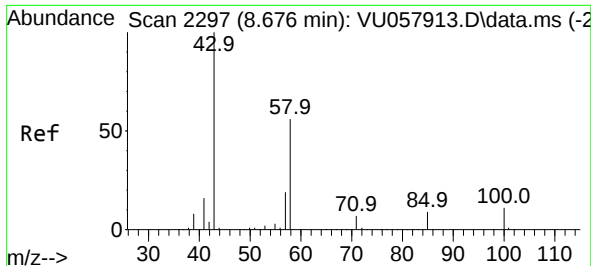


#46
Tetrachloroethene
Concen: 45.207 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 164 Resp: 75826

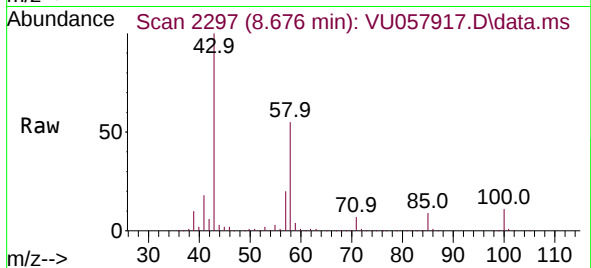
Ion	Ratio	Lower	Upper
164	100		
129	103.1	74.1	137.7
131	100.6	72.0	133.6
166	129.9	91.6	170.0



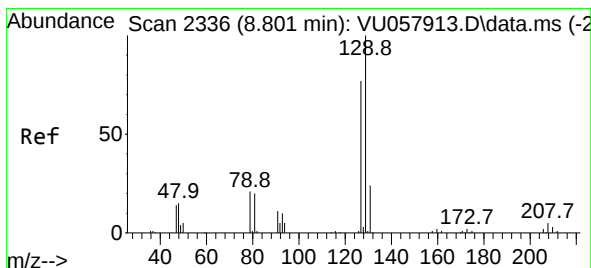
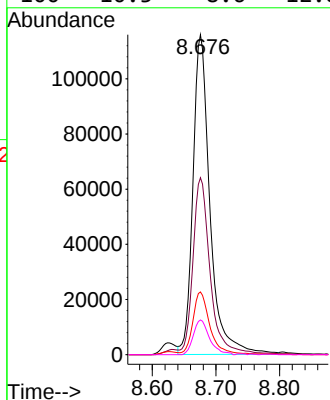
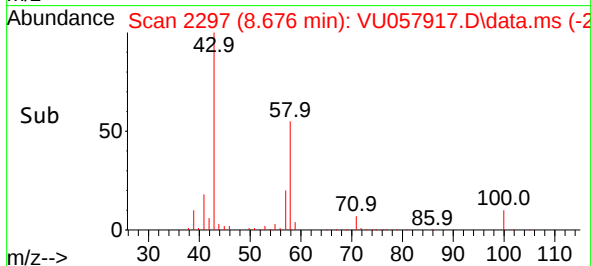


#48
2-Hexanone
Concen: 78.623 ug/L
RT: 8.676 min Scan# 216118
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Instrument :
MSVOA_U
ClientSampleId :

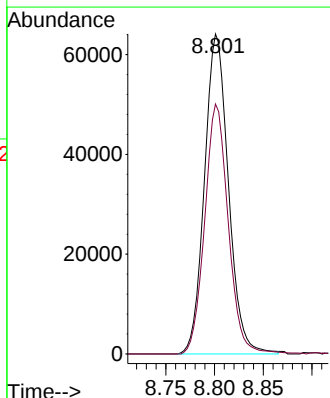
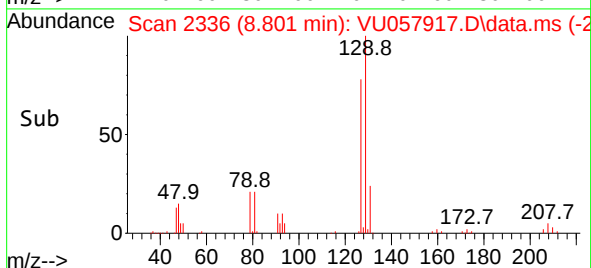
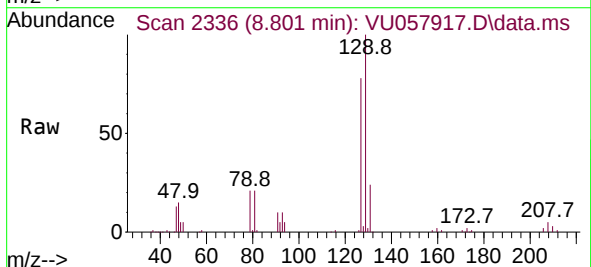


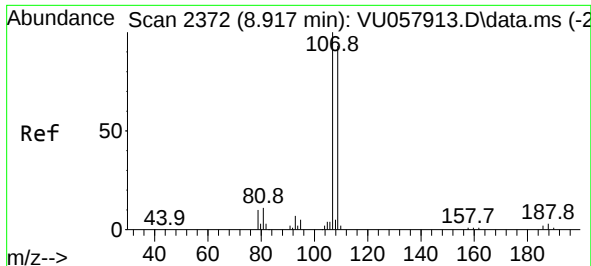
Tgt Ion: 43 Resp: 216118
Ion Ratio Lower Upper
43 100
58 55.2 43.8 65.8
57 18.6 15.5 23.3
100 10.3 8.6 12.8



#49
Dibromochloromethane
Concen: 46.396 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 129 Resp: 109837
Ion Ratio Lower Upper
129 100
127 78.1 53.3 99.1





#50

1,2-Dibromoethane

Concen: 45.331 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

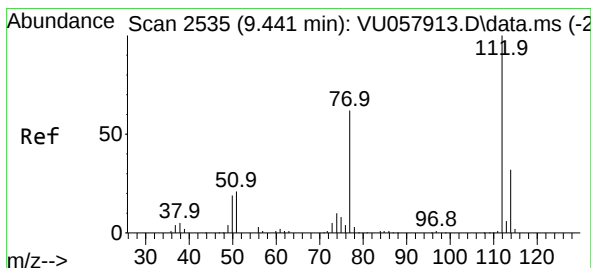
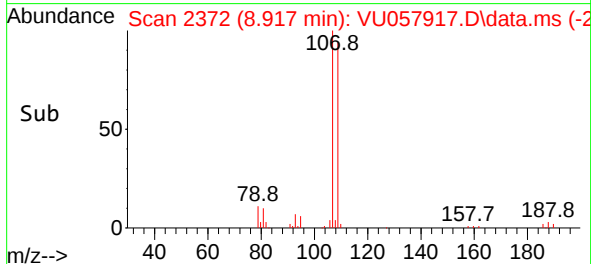
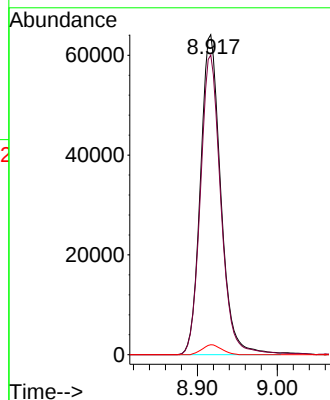
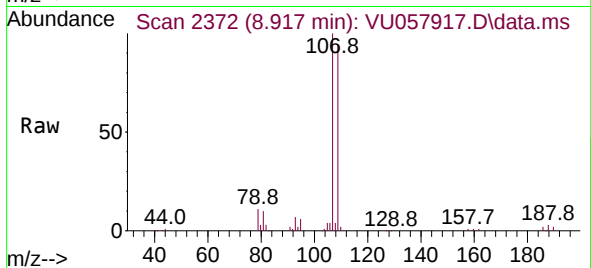
Tgt Ion:107 Resp: 113460

Ion Ratio Lower Upper

107 100

109 93.7 66.1 122.8

188 3.1 2.6 3.8



#51

Chlorobenzene

Concen: 44.932 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

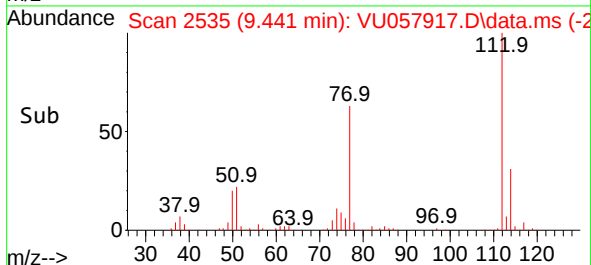
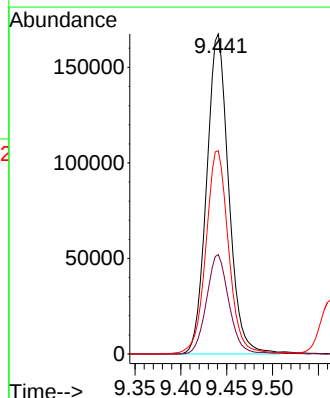
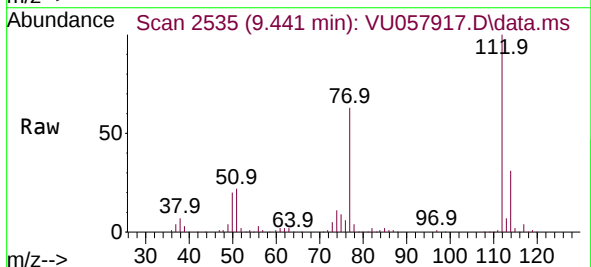
Tgt Ion:112 Resp: 280369

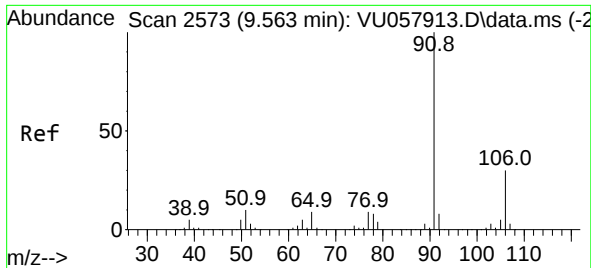
Ion Ratio Lower Upper

112 100

114 31.0 22.7 42.1

77 63.5 51.8 77.8

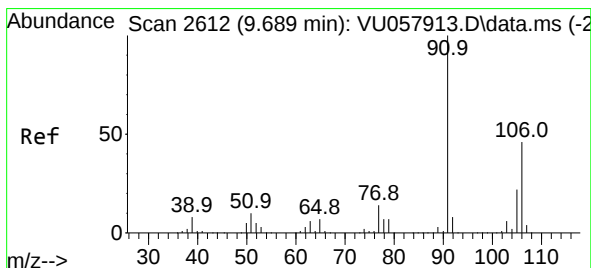
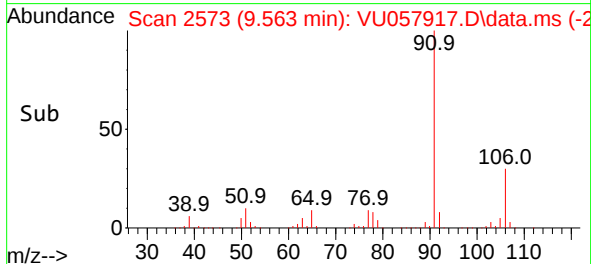
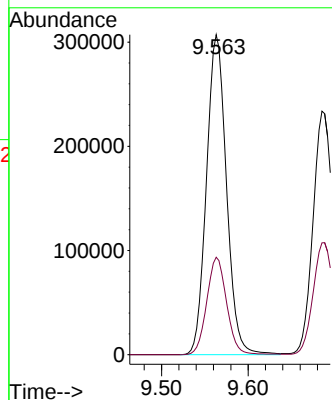
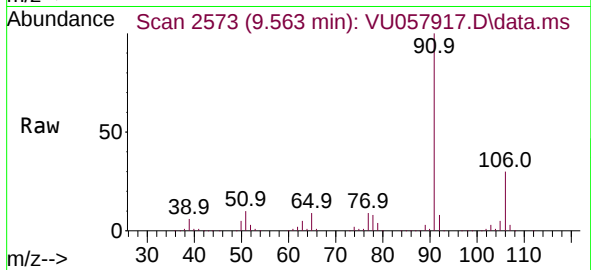




#52
Ethylbenzene
Concen: 44.764 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

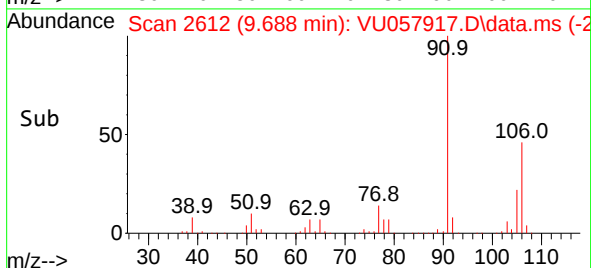
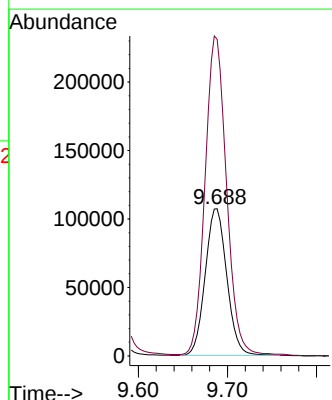
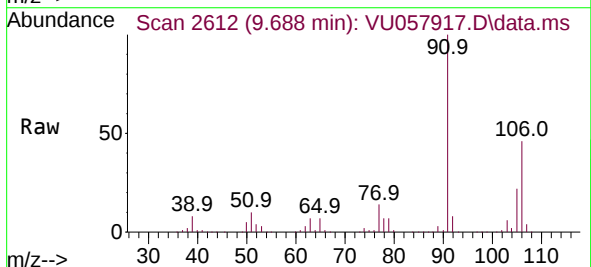
Instrument :
MSVOA_U
ClientSampleId :

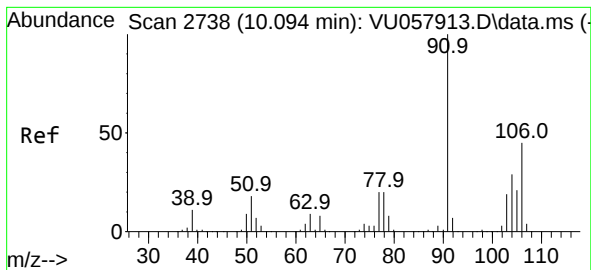
Tgt Ion: 91 Resp: 492532
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.1



#53
m,p-Xylene
Concen: 44.944 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion:106 Resp: 179839
Ion Ratio Lower Upper
106 100
91 215.1 150.2 279.0





#54

o-Xylene

Concen: 45.692 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

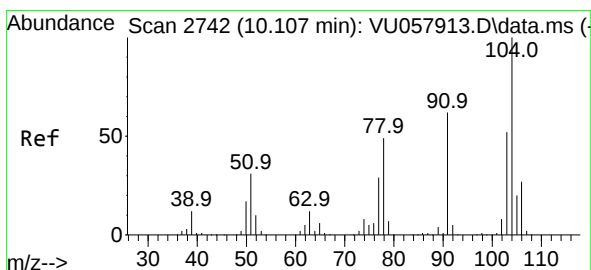
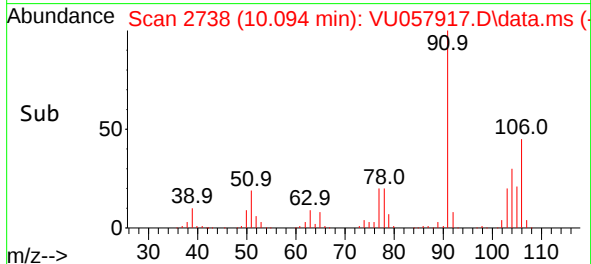
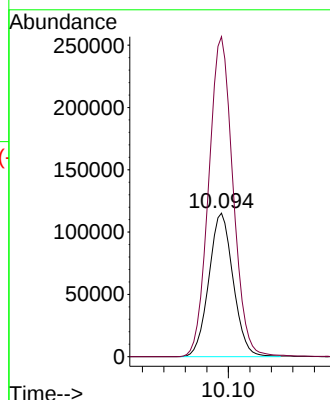
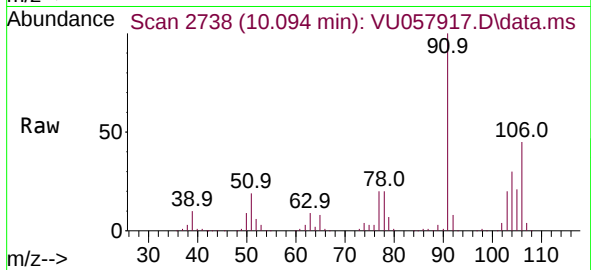
ClientSampleId :

Tgt Ion:106 Resp: 180647

Ion Ratio Lower Upper

106 100

91 223.0 161.3 299.5



#55

Styrene

Concen: 45.303 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU057917.D

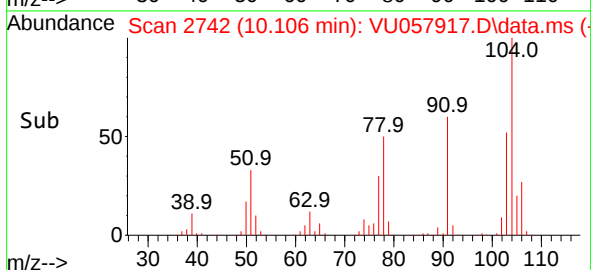
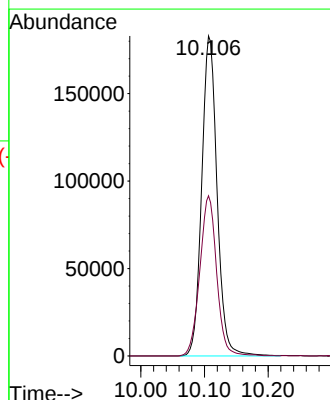
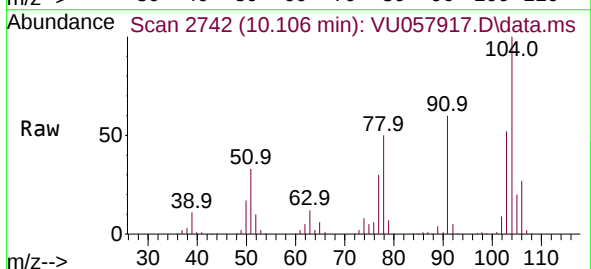
Acq: 21 Feb 2024 11:47

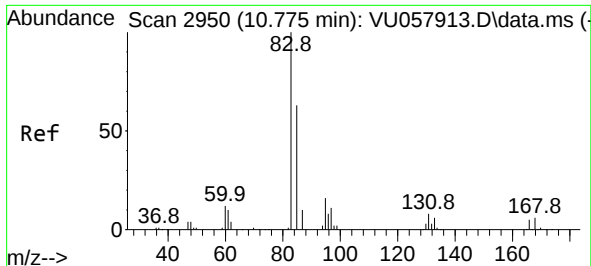
Tgt Ion:104 Resp: 307137

Ion Ratio Lower Upper

104 100

78 50.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 41.401 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

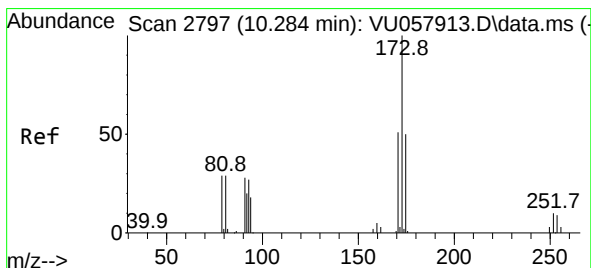
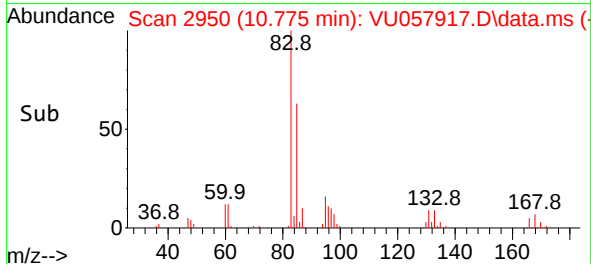
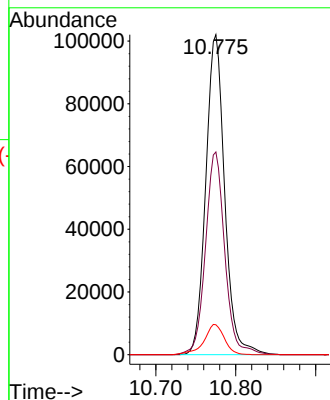
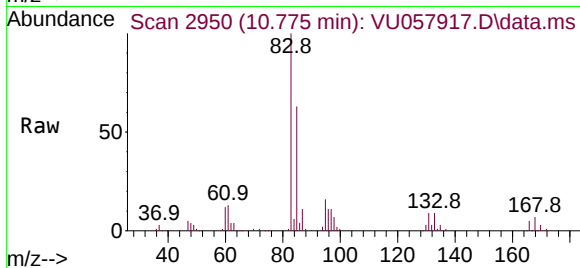
Tgt Ion: 83 Resp: 167653

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

131 9.4 7.8 11.6



#59

Bromoform

Concen: 45.386 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

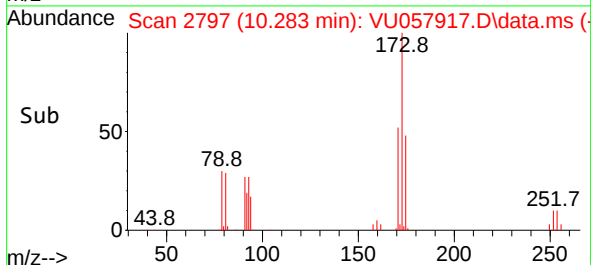
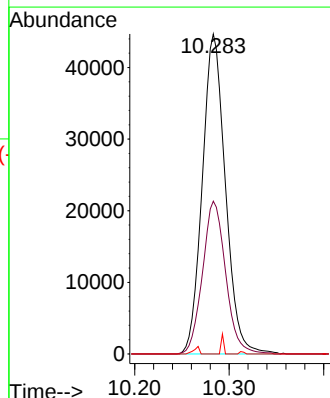
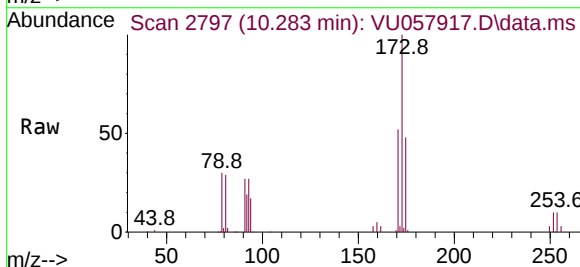
Tgt Ion:173 Resp: 75801

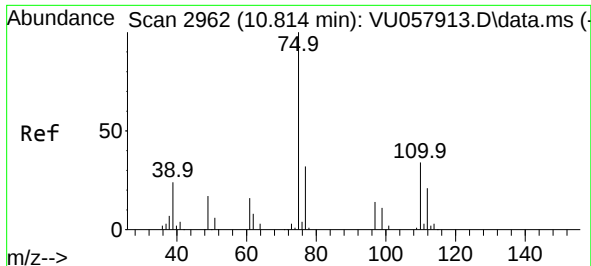
Ion Ratio Lower Upper

173 100

175 47.8 38.8 58.2

254 0.6 1.0 1.6#

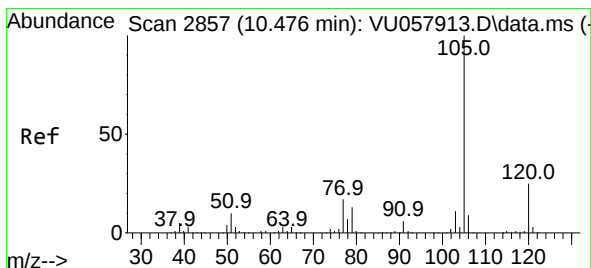
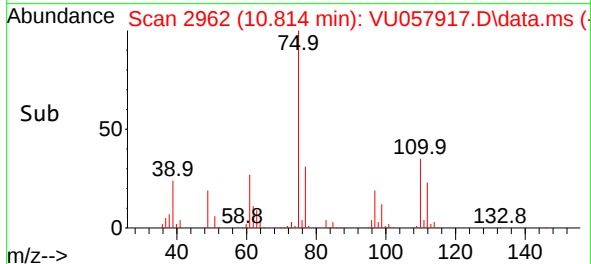
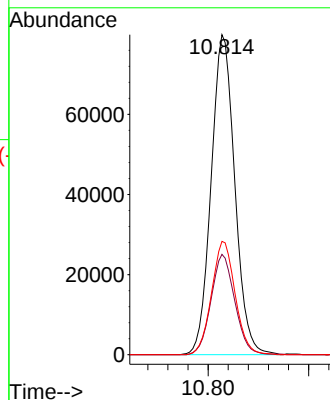
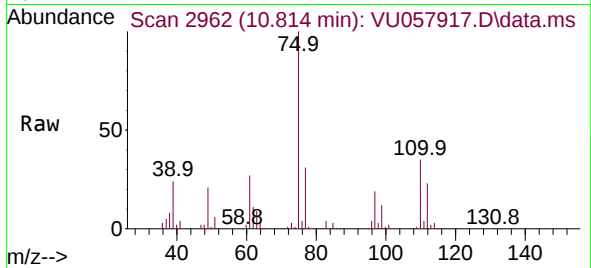




#60
1,2,3-Trichloropropane
Concen: 41.394 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

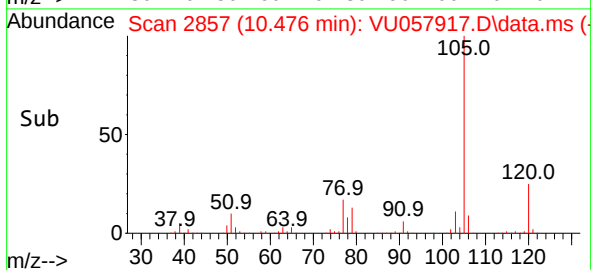
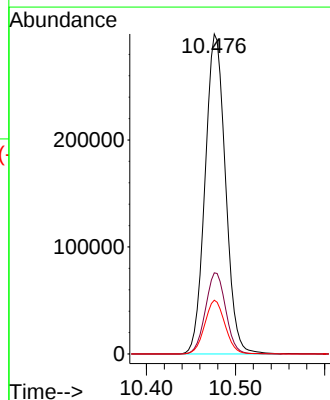
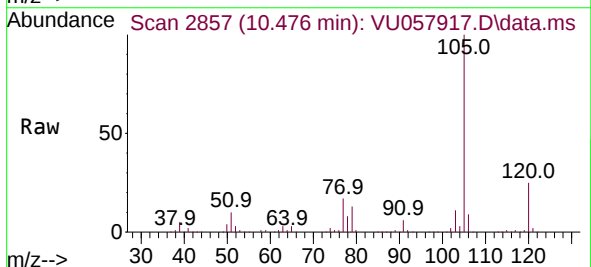
Instrument :
MSVOA_U
ClientSampleId :

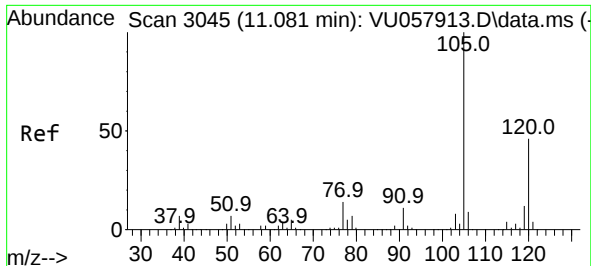
Tgt Ion: 75 Resp: 130481
Ion Ratio Lower Upper
75 100
77 31.4 25.9 38.9
110 35.3 28.3 42.5



#61
Isopropylbenzene
Concen: 44.635 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

Tgt Ion: 105 Resp: 474590
Ion Ratio Lower Upper
105 100
120 25.3 20.5 30.7
77 16.7 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 43.506 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

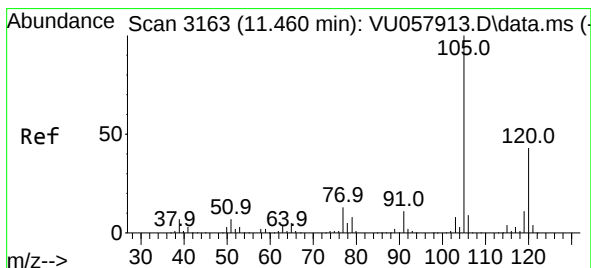
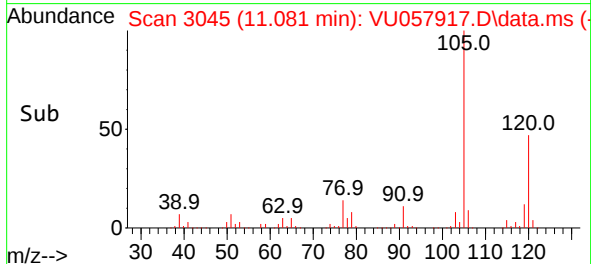
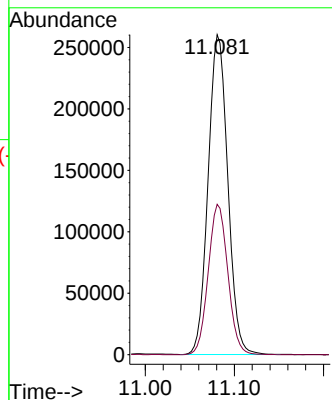
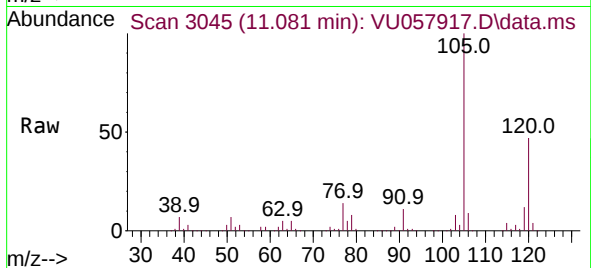
ClientSampleId :

Tgt Ion:105 Resp: 398543

Ion Ratio Lower Upper

105 100

120 46.9 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 43.697 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU057917.D

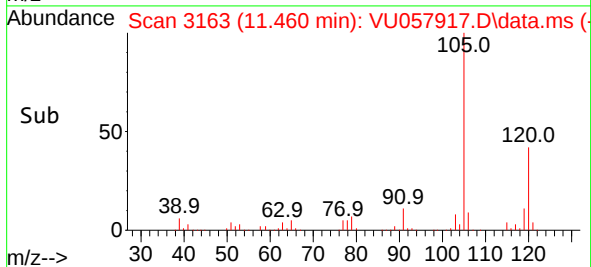
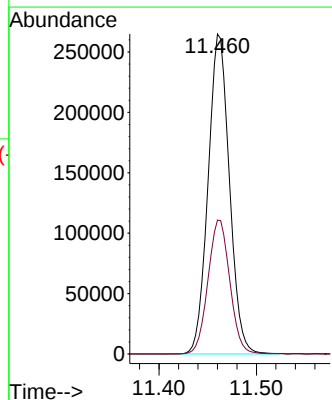
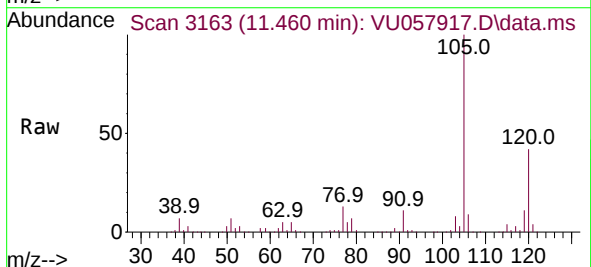
Acq: 21 Feb 2024 11:47

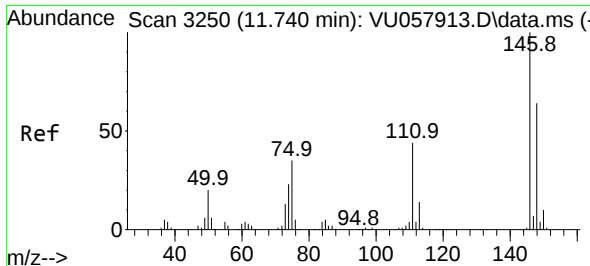
Tgt Ion:105 Resp: 402228

Ion Ratio Lower Upper

105 100

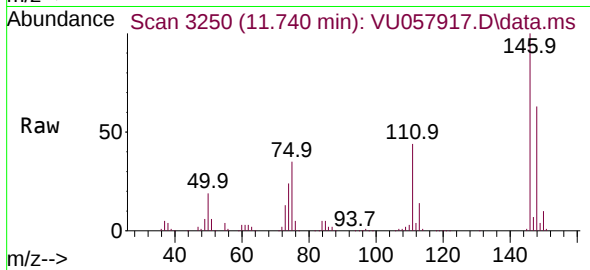
120 42.9 34.8 52.2



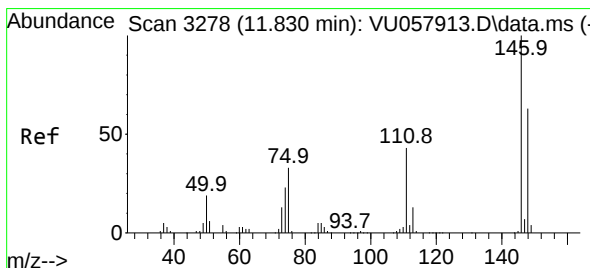
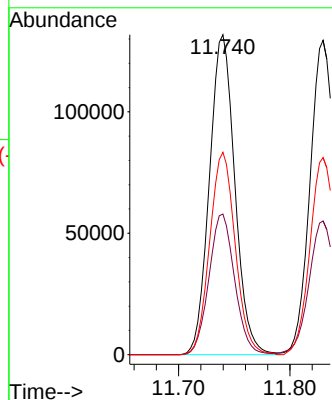
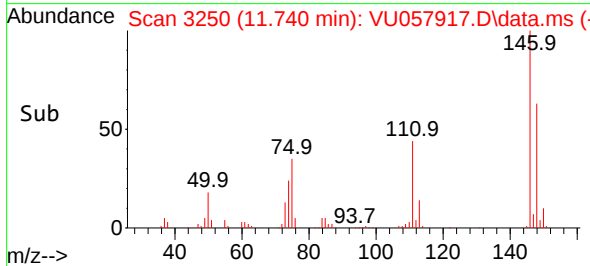


#64
1,3-Dichlorobenzene
Concen: 44.445 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47

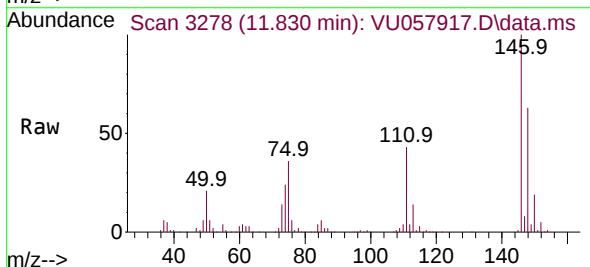
Instrument :
MSVOA_U
ClientSampleId :



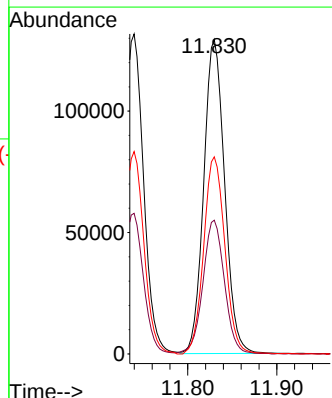
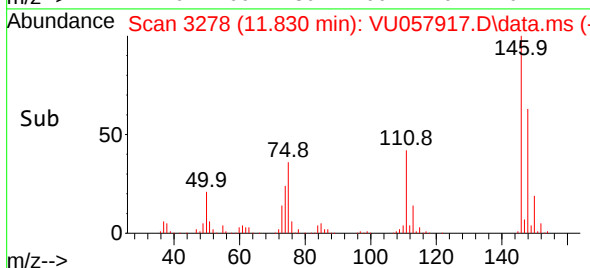
Tgt Ion:146 Resp: 208946
Ion Ratio Lower Upper
146 100
111 44.0 31.6 58.6
148 63.3 45.1 83.9

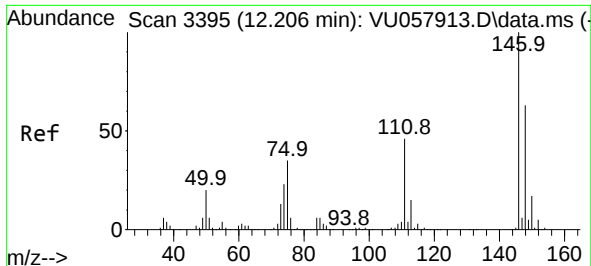


#65
1,4-Dichlorobenzene
Concen: 44.034 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057917.D
Acq: 21 Feb 2024 11:47



Tgt Ion:146 Resp: 210889
Ion Ratio Lower Upper
146 100
111 42.6 29.9 55.5
148 62.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 43.467 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

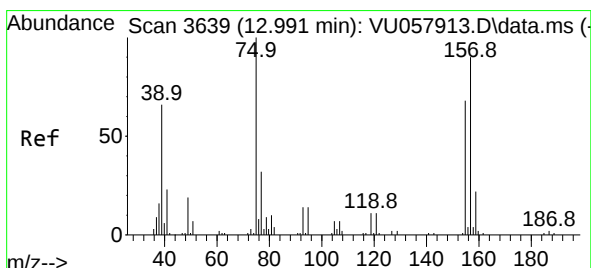
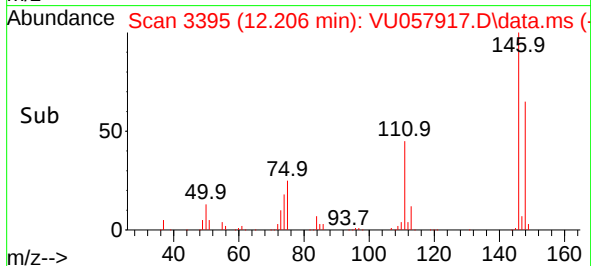
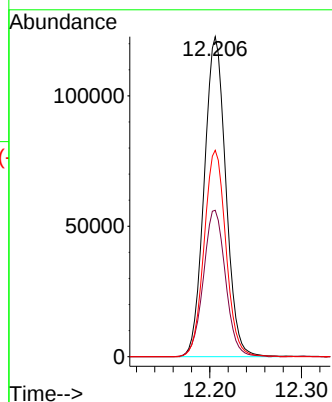
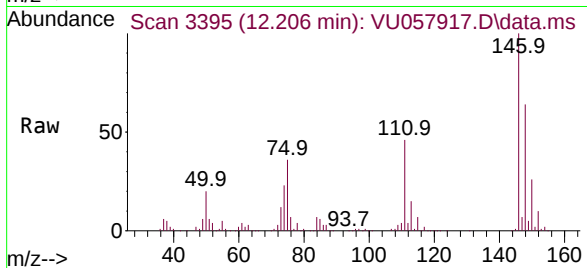
Tgt Ion:146 Resp: 201042

Ion Ratio Lower Upper

146 100

111 45.7 37.3 55.9

148 64.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 40.408 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

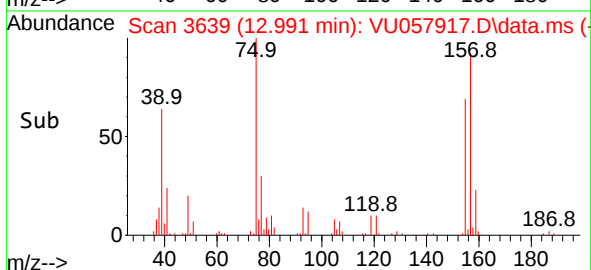
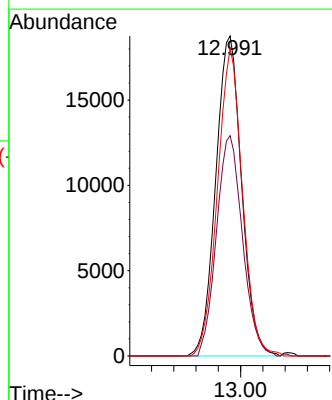
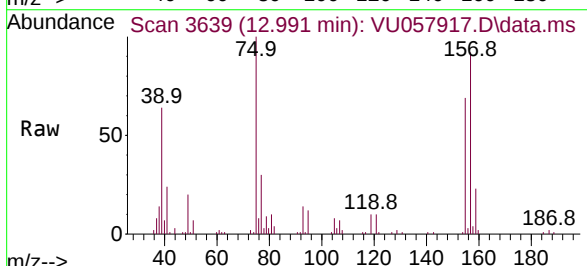
Tgt Ion: 75 Resp: 30242

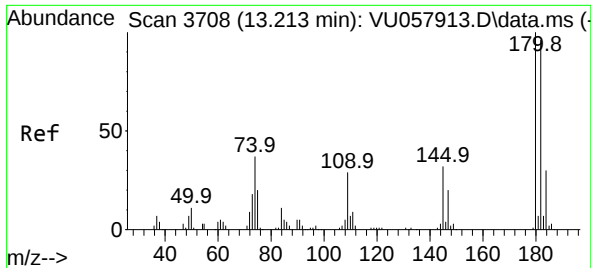
Ion Ratio Lower Upper

75 100

155 72.0 63.2 94.8

157 96.0 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 44.278 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 140007

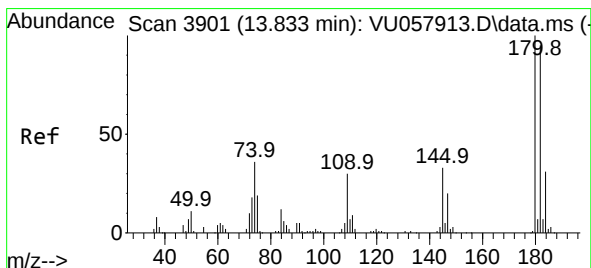
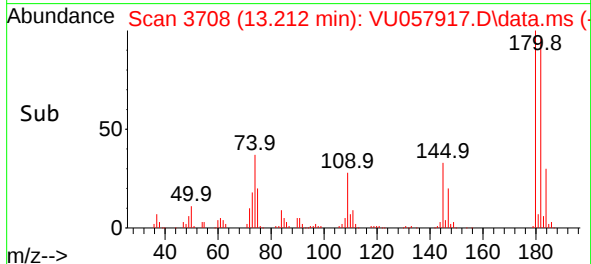
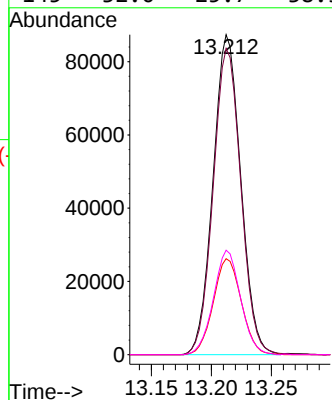
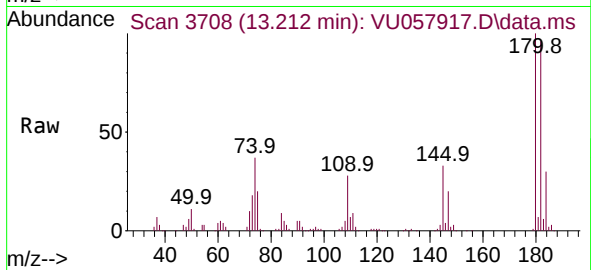
Ion Ratio Lower Upper

180 100

182 95.5 77.6 116.4

184 30.4 24.1 36.1

145 32.0 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 46.603 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

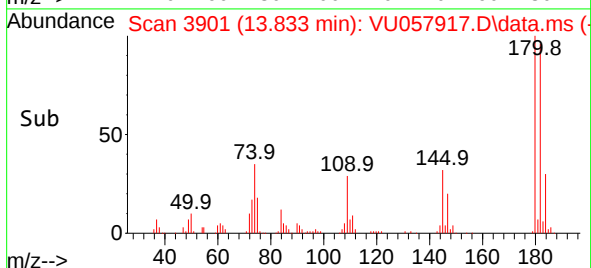
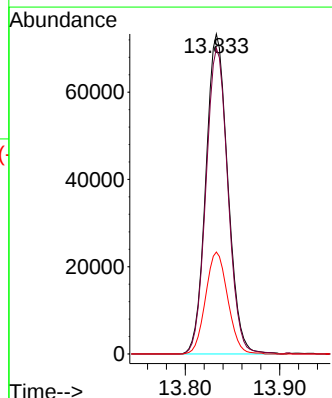
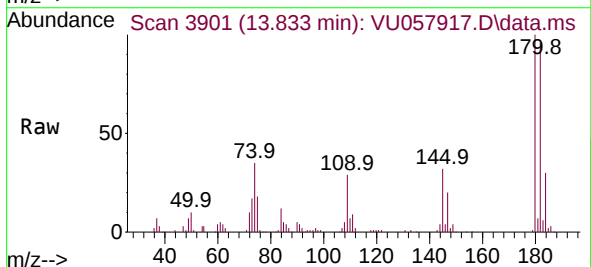
Tgt Ion:180 Resp: 118645

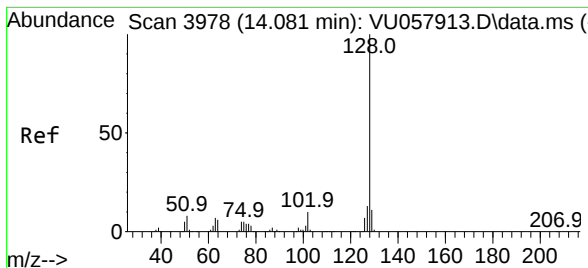
Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 32.0 25.9 38.9





#71

Naphthalene

Concen: 41.298 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Instrument :

MSVOA_U

ClientSampleId :

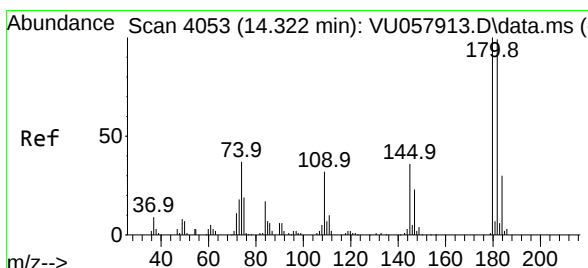
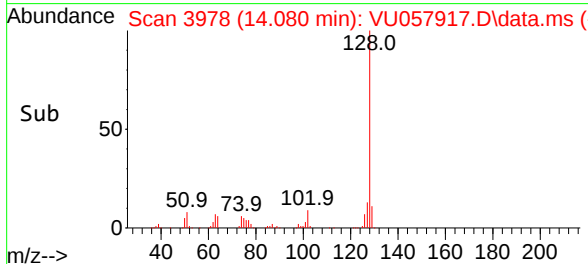
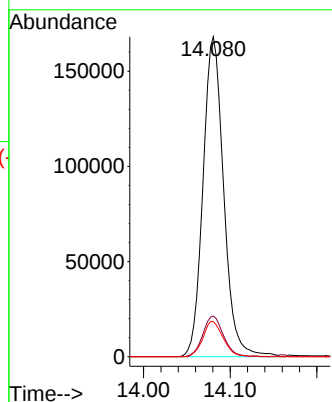
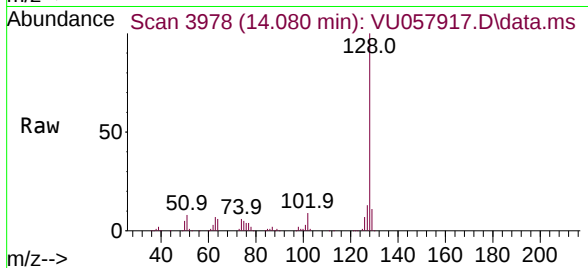
Tgt Ion:128 Resp: 279203

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 43.659 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU057917.D

Acq: 21 Feb 2024 11:47

Tgt Ion:180 Resp: 102092

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 35.0 27.8 41.8

