

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021524\
 Data File : VU057863.D
 Acq On : 15 Feb 2024 09:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 15 21:23:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 09 04:07:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	251075	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	99236	49.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.760%
7) Chloroethane-d5	1.895	69	75505	48.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.860%
11) 1,1-Dichloroethene-d2	2.560	63	180610	48.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.860%
21) 2-Butanone-d5	4.608	46	102211	91.645	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.650%
24) Chloroform-d	5.052	84	172957	48.517	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.040%
26) 1,2-Dichloroethane-d4	5.692	65	112091	49.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.200%
32) Benzene-d6	5.718	84	342143	47.066	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.140%
36) 1,2-Dichloropropane-d6	6.682	67	111139	48.413	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.820%
41) Toluene-d8	7.891	98	308374	46.792	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.580%
43) trans-1,3-Dichloroprop...	8.174	79	53917	48.012	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.020%
47) 2-Hexanone-d5	8.628	63	82403	87.941	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.940%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	148908	49.830	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.660%
66) 1,2-Dichlorobenzene-d4	12.187	152	112571	47.350	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	115506	52.035	ug/L	100
3) Chloromethane	1.519	50	119054	57.348	ug/L	99
5) Vinyl chloride	1.602	62	120420	54.902	ug/L	99
6) Bromomethane	1.830	94	59161	43.846	ug/L	99
8) Chloroethane	1.917	64	71697	54.757	ug/L	98
9) Trichlorofluoromethane	2.129	101	153327	49.995	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	93672	51.748	ug/L	99
12) 1,1-Dichloroethene	2.573	96	81747	49.448	ug/L	95
13) Acetone	2.612	43	147276	102.790	ug/L	99
14) Carbon disulfide	2.785	76	263177	51.551	ug/L	100
15) Methyl Acetate	2.936	43	93664	51.385	ug/L	96
16) Methylene chloride	3.036	84	96807	50.683	ug/L	92
17) trans-1,2-Dichloroethene	3.345	96	84503	50.161	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	307230	51.952	ug/L	100
19) 1,1-Dichloroethane	3.856	63	183372	54.239	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	100192	51.525	ug/L	99
22) 2-Butanone	4.689	43	161074	105.492	ug/L	97
23) Bromochloromethane	4.965	128	47597	49.928	ug/L	94
25) Chloroform	5.078	83	178187	51.465	ug/L	98

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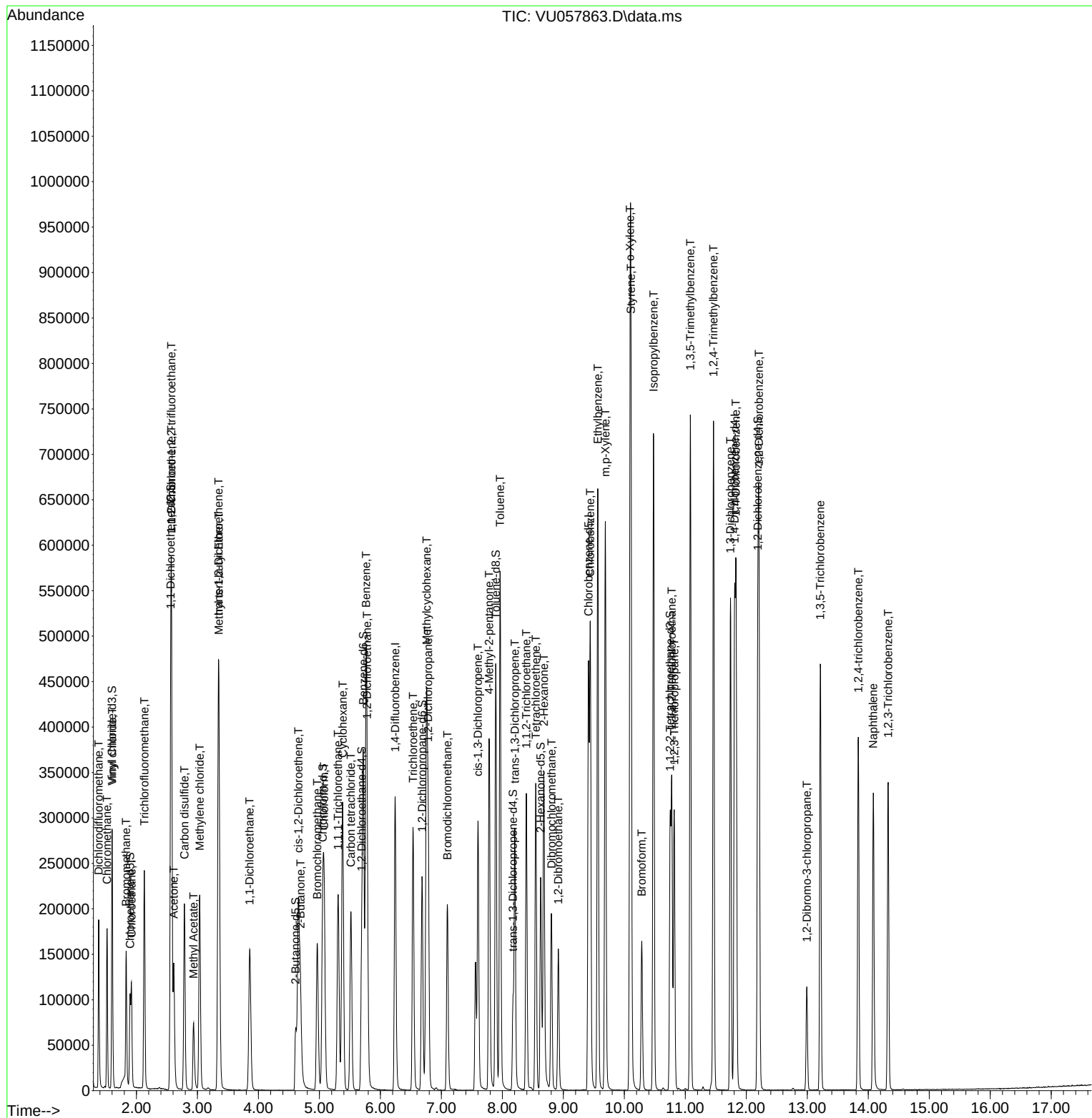
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	149104	52.005	ug/L	98
29) Cyclohexane	5.380	56	167969	53.645	ug/L	94
30) 1,1,1-Trichloroethane	5.306	97	154909	49.911	ug/L	99
31) Carbon tetrachloride	5.515	117	132589	49.065	ug/L	100
33) Benzene	5.766	78	390573	51.274	ug/L	100
34) Trichloroethene	6.534	95	101272	49.443	ug/L	97
35) Methylcyclohexane	6.756	83	168204	51.331	ug/L	95
37) 1,2-Dichloropropane	6.782	63	110495	52.909	ug/L	99
38) Bromodichloromethane	7.097	83	134115	51.005	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	175678	51.898	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	270100	103.899	ug/L	98
42) Toluene	7.962	91	405630	50.844	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	160913	51.779	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	96901	50.250	ug/L	99
46) Tetrachloroethene	8.547	164	69845	49.163	ug/L	98
48) 2-Hexanone	8.679	43	234544	103.712	ug/L	99
49) Dibromochloromethane	8.804	129	98774	50.786	ug/L	98
50) 1,2-Dibromoethane	8.917	107	100450	48.754	ug/L	95
51) Chlorobenzene	9.441	112	254659	50.261	ug/L	96
52) Ethylbenzene	9.563	91	458518	50.666	ug/L	100
53) m,p-Xylene	9.689	106	171798	51.654	ug/L	95
54) o-Xylene	10.094	106	168336	51.979	ug/L	98
55) Styrene	10.110	104	290039	53.649	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	164688	52.993	ug/L	100
59) Bromoform	10.283	173	70281	48.892	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	128625	49.655	ug/L	99
61) Isopropylbenzene	10.480	105	458258	50.692	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	395542	52.140	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	403992	53.207	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	203906	52.058	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204801	50.976	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	197218	49.946	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	30776	46.842	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	137472	49.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	109980	46.669	ug/L	99
71) Naphthalene	14.081	128	258028	40.844	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	96286	43.666	ug/L	99

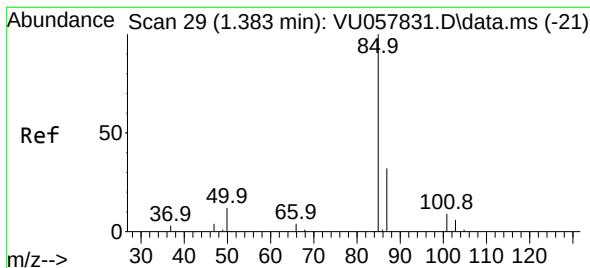
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.035 ug/L

RT: 1.380 min Scan# 29

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

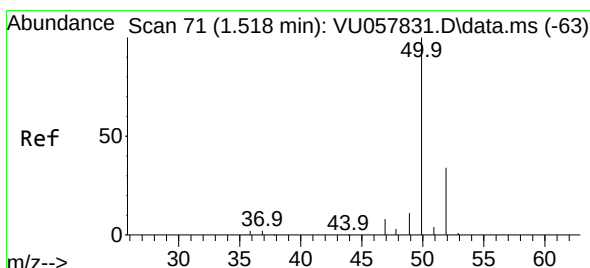
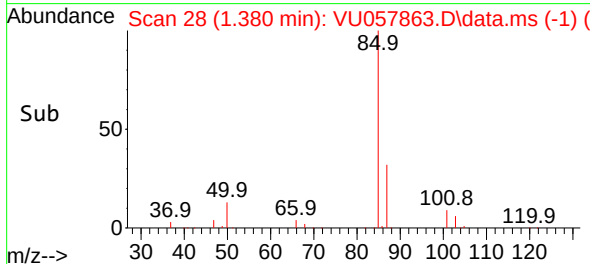
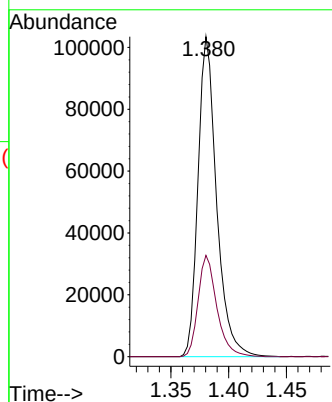
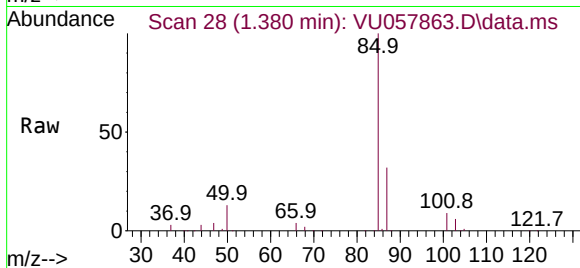
ClientSampleId :

Tgt Ion: 85 Resp: 115506

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.0



#3

Chloromethane

Concen: 57.348 ug/L

RT: 1.519 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU057863.D

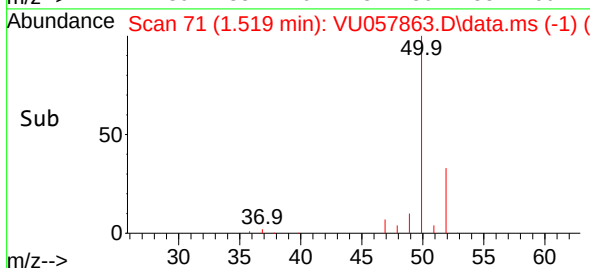
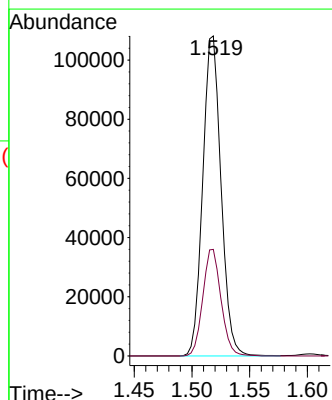
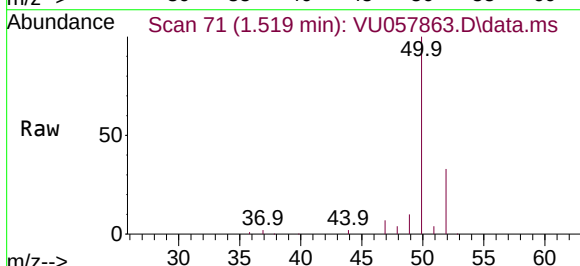
Acq: 15 Feb 2024 09:41

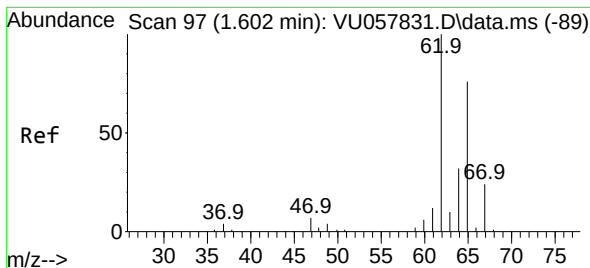
Tgt Ion: 50 Resp: 119054

Ion Ratio Lower Upper

50 100

52 33.3 23.7 43.9





#5

Vinyl chloride

Concen: 54.902 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

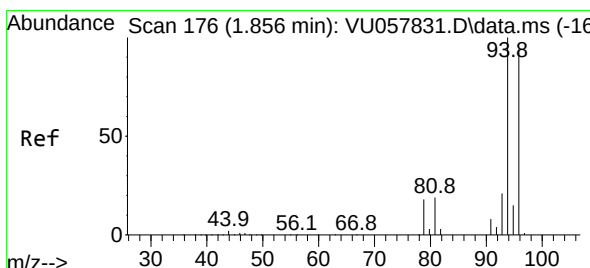
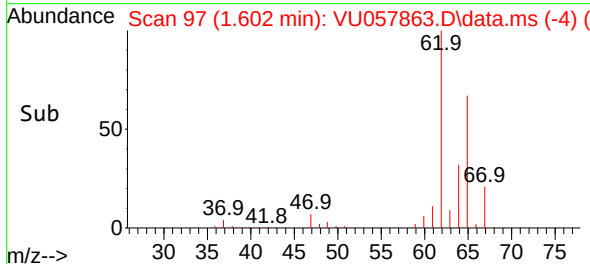
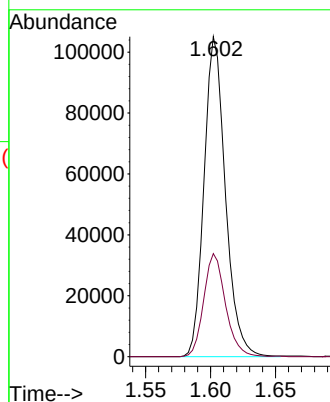
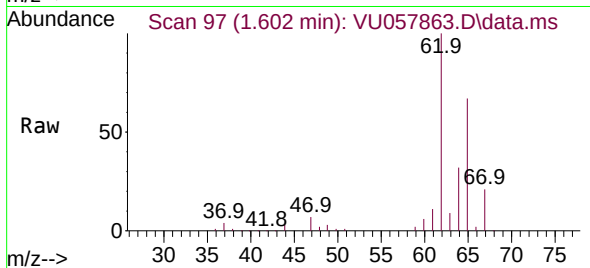
ClientSampleId :

Tgt Ion: 62 Resp: 120420

Ion Ratio Lower Upper

62 100

64 32.2 22.1 41.1



#6

Bromomethane

Concen: 43.846 ug/L

RT: 1.830 min Scan# 168

Delta R.T. 0.003 min

Lab File: VU057863.D

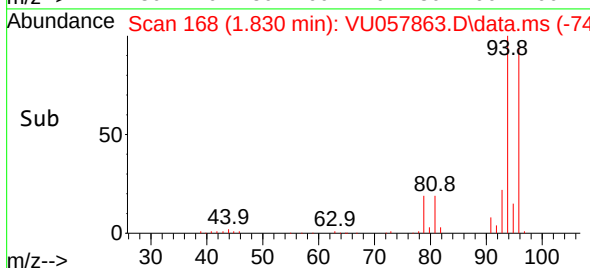
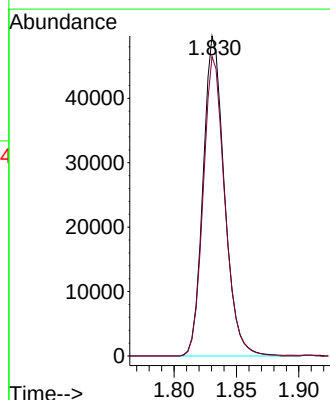
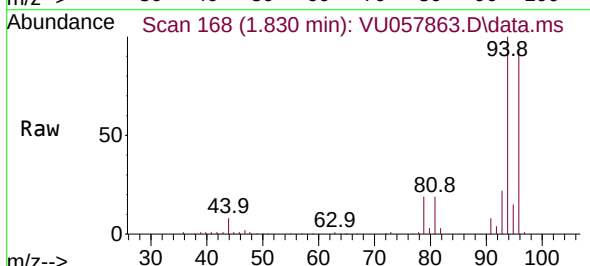
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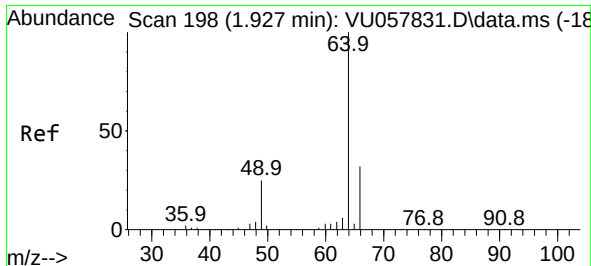
Tgt Ion: 94 Resp: 59161

Ion Ratio Lower Upper

94 100

96 93.5 66.0 122.6

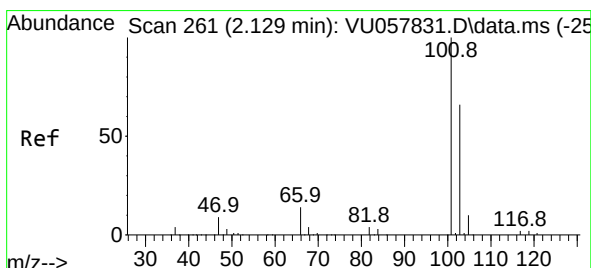
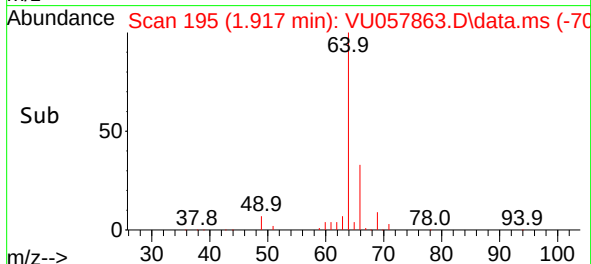
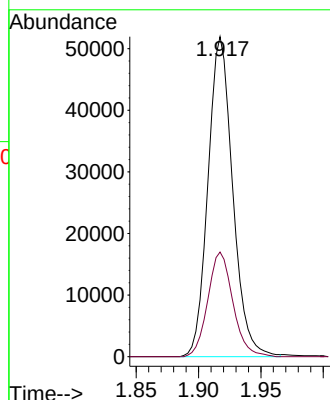
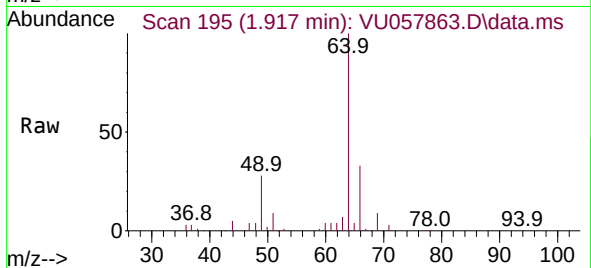




#8
Chloroethane
Concen: 54.757 ug/L
RT: 1.917 min Scan# 19
Delta R.T. 0.003 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

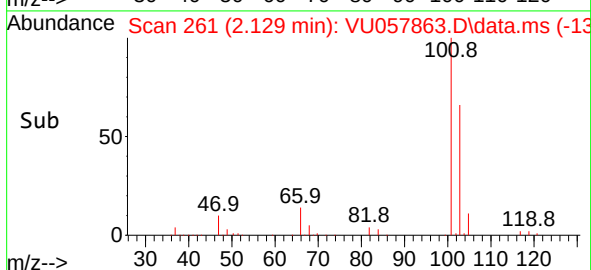
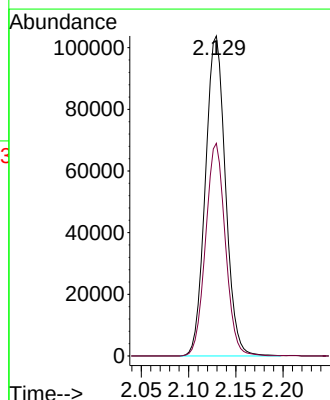
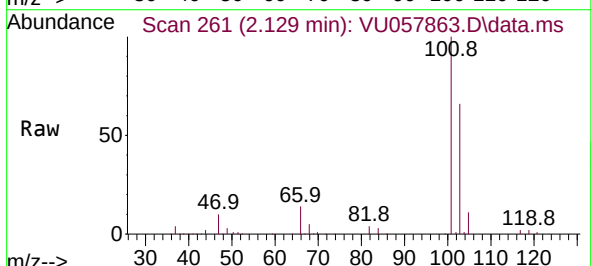
Instrument :
MSVOA_U
ClientSampleId :

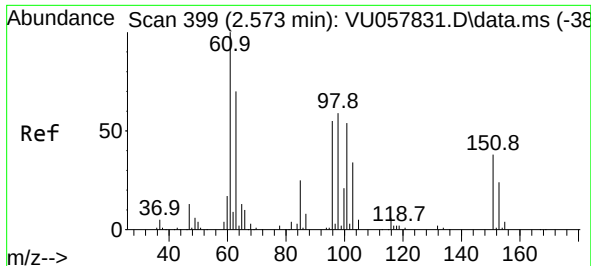
Tgt Ion: 64 Resp: 71697
Ion Ratio Lower Upper
64 100
66 32.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.995 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion:101 Resp: 153327
Ion Ratio Lower Upper
101 100
103 65.3 52.4 78.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.748 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

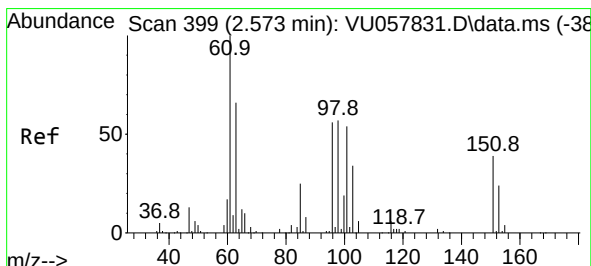
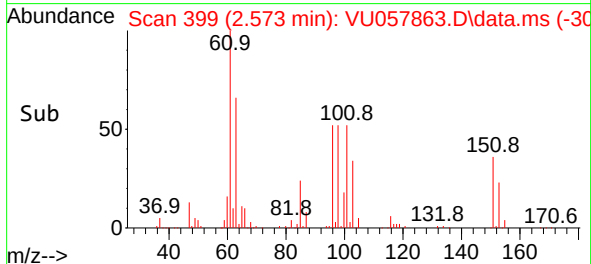
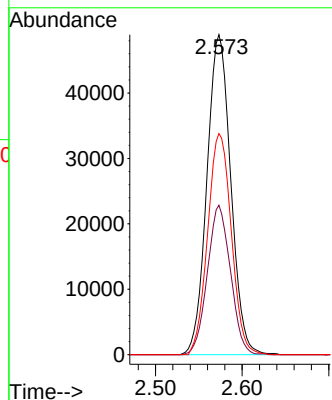
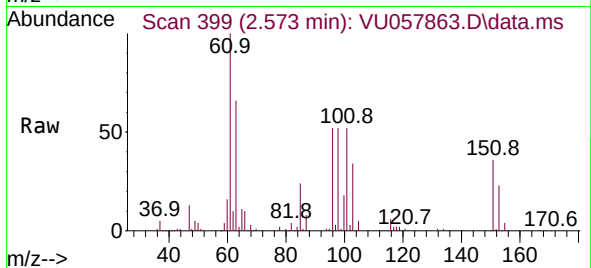
Tgt Ion:101 Resp: 93672

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

151 68.5 55.8 83.6



#12

1,1-Dichloroethene

Concen: 49.448 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

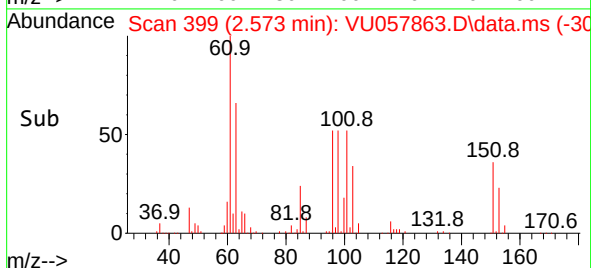
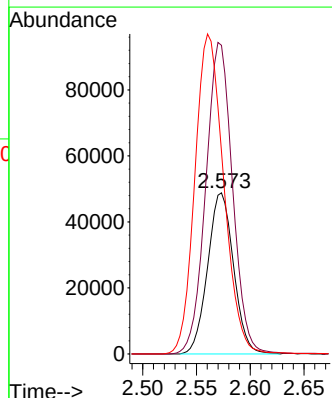
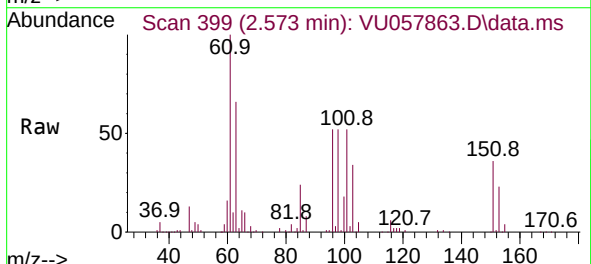
Tgt Ion: 96 Resp: 81747

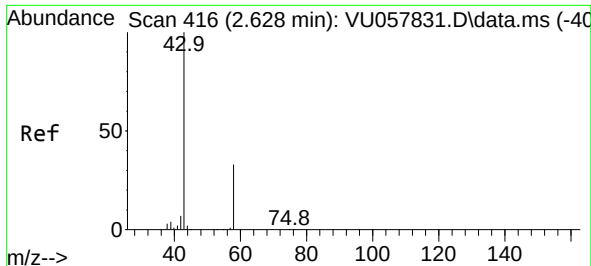
Ion Ratio Lower Upper

96 100

61 191.5 126.3 234.6

63 125.7 89.7 166.7





#13

Acetone

Concen: 102.790 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

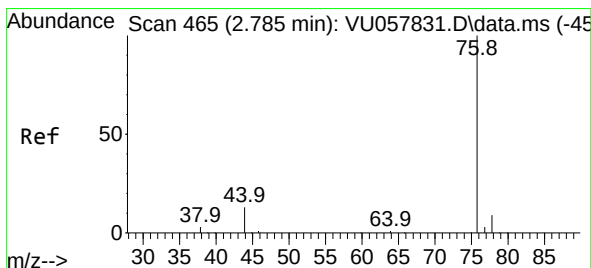
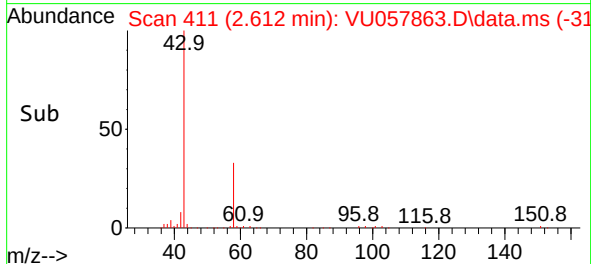
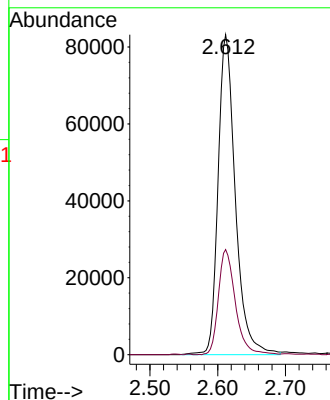
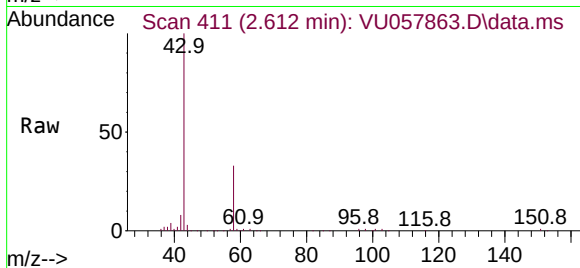
ClientSampleId :

Tgt Ion: 43 Resp: 147276

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.8



#14

Carbon disulfide

Concen: 51.551 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.003 min

Lab File: VU057863.D

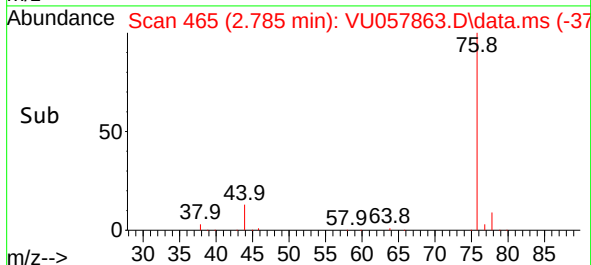
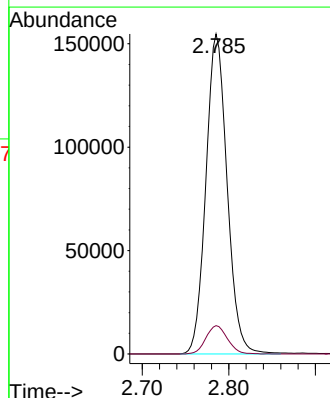
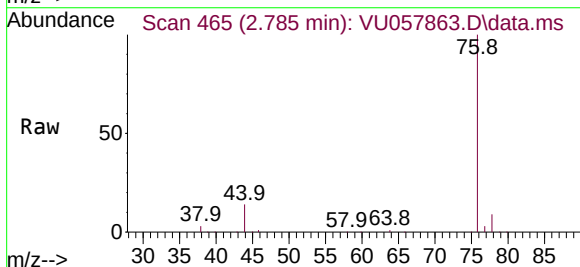
Acq: 15 Feb 2024 09:41

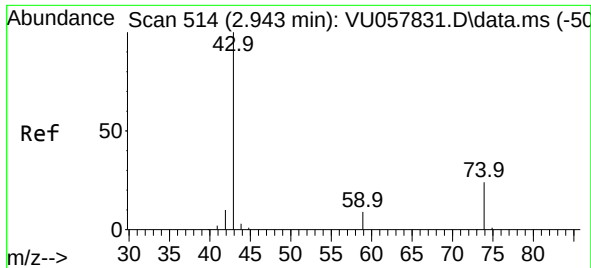
Tgt Ion: 76 Resp: 263177

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

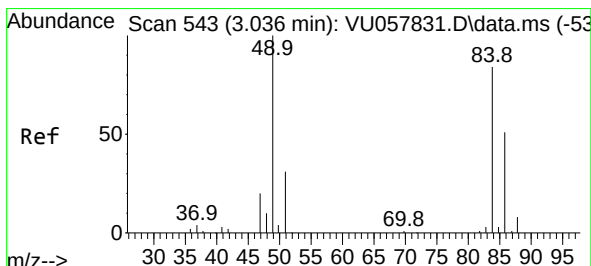
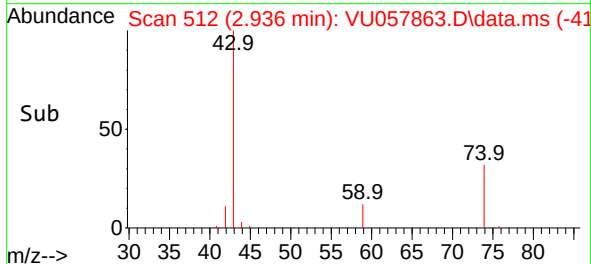
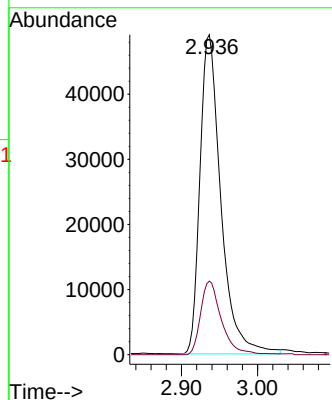
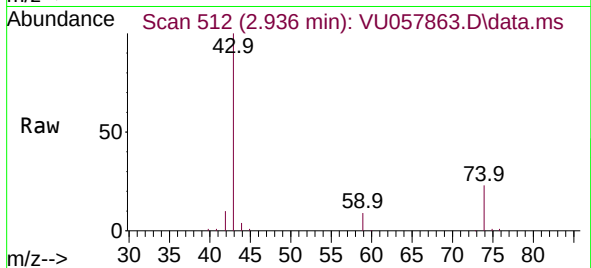




#15
Methyl Acetate
Concen: 51.385 ug/L
RT: 2.936 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

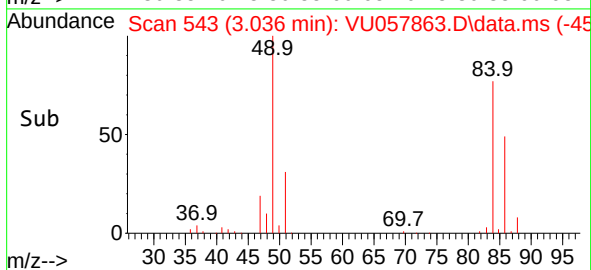
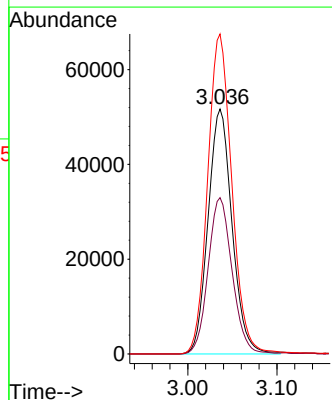
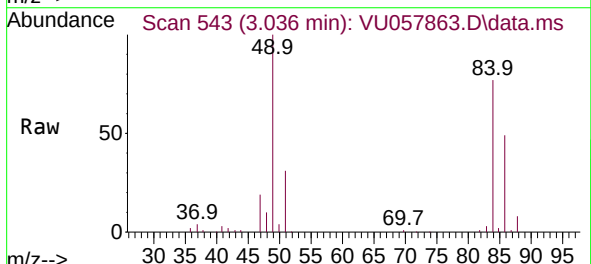
Instrument :
MSVOA_U
ClientSampleId :

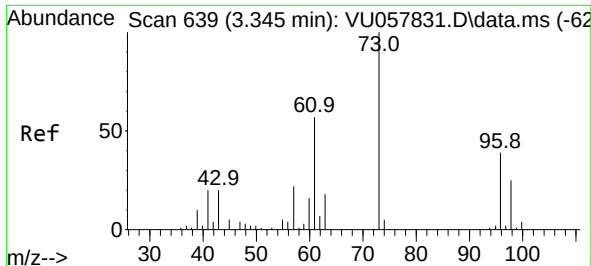
Tgt Ion: 43 Resp: 93664
Ion Ratio Lower Upper
43 100
74 22.7 19.7 29.5



#16
Methylene chloride
Concen: 50.683 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 84 Resp: 96807
Ion Ratio Lower Upper
84 100
86 63.8 43.0 80.0
49 130.6 83.7 155.4





#17

trans-1,2-Dichloroethene

Concen: 50.161 ug/L

RT: 3.345 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

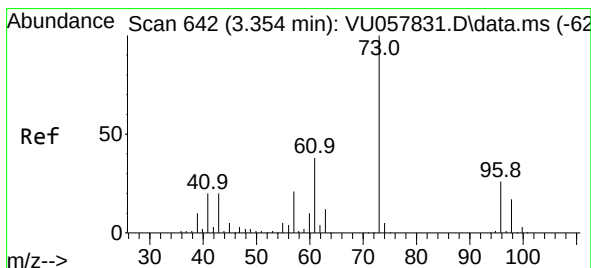
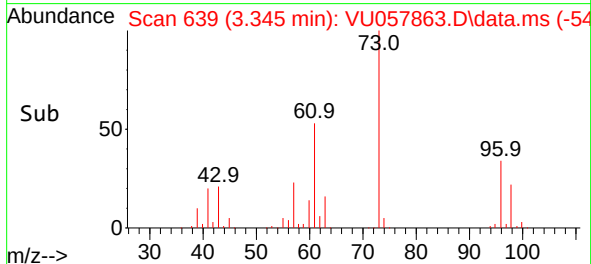
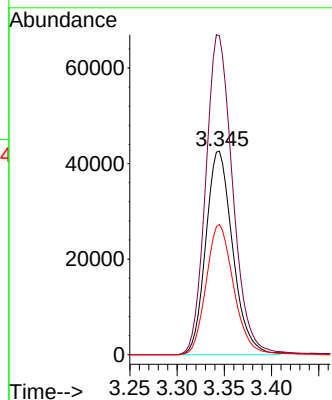
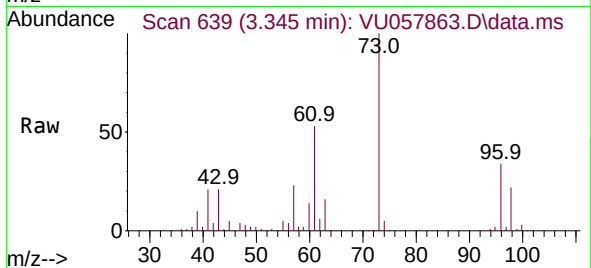
Tgt Ion: 96 Resp: 84503

Ion Ratio Lower Upper

96 100

61 156.7 102.8 190.8

98 64.0 44.2 82.2



#18

Methyl tert-butyl Ether

Concen: 51.952 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

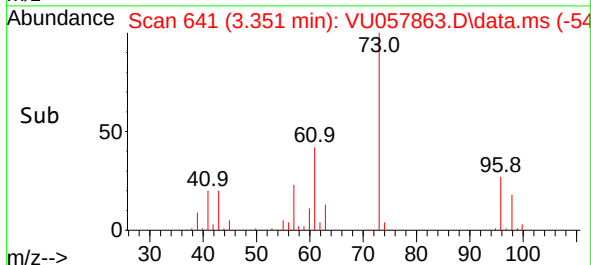
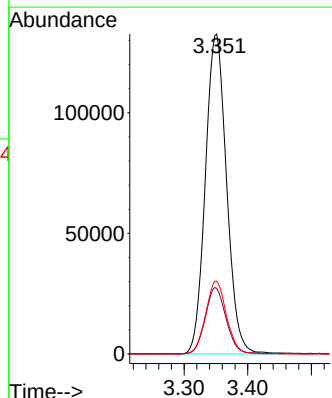
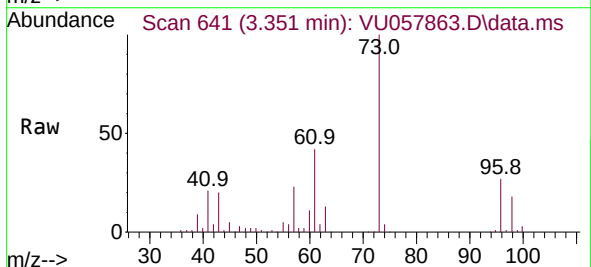
Tgt Ion: 73 Resp: 307230

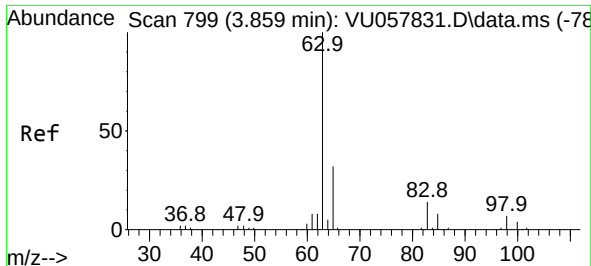
Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.2

57 22.3 17.6 26.4





#19

1,1-Dichloroethane

Concen: 54.239 ug/L

RT: 3.856 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

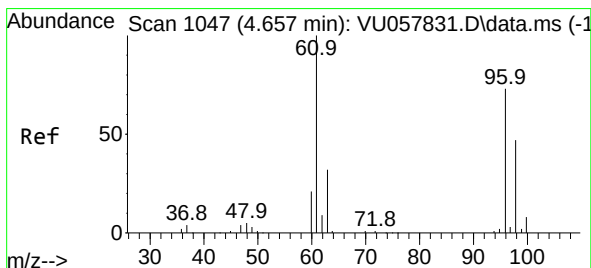
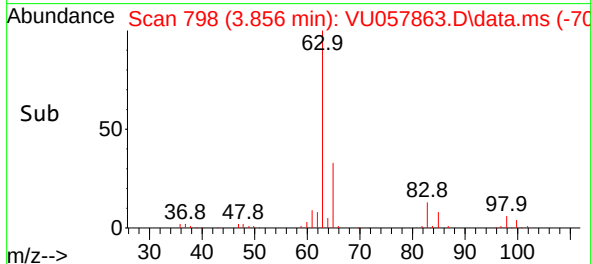
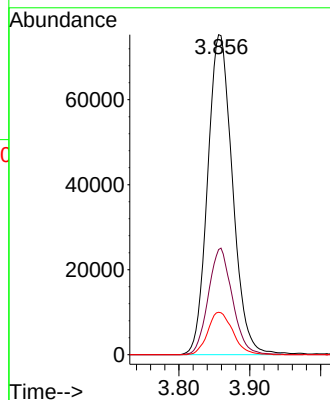
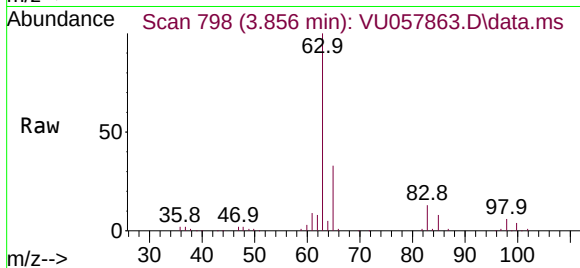
Tgt Ion: 63 Resp: 183372

Ion Ratio Lower Upper

63 100

65 32.8 22.7 42.3

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 51.525 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

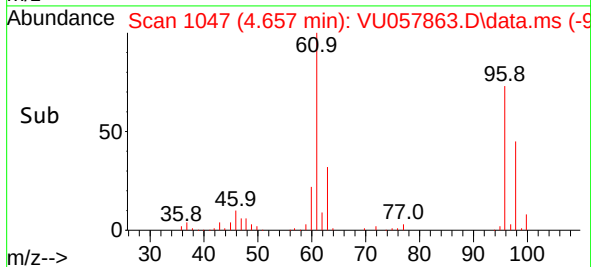
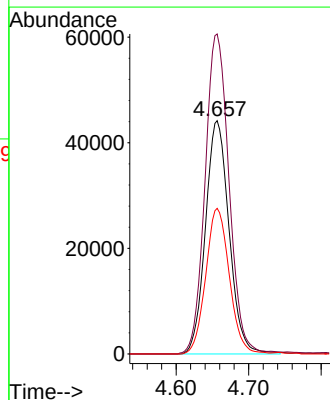
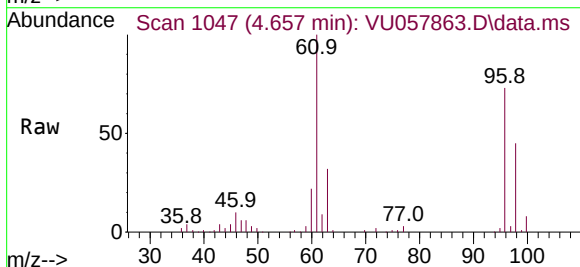
Tgt Ion: 96 Resp: 100192

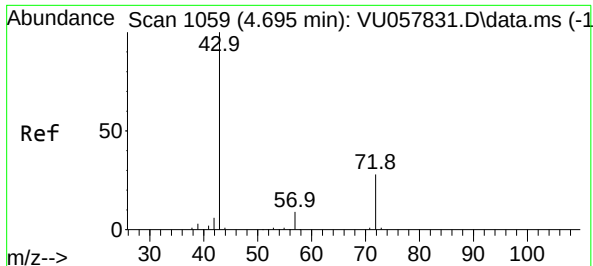
Ion Ratio Lower Upper

96 100

61 137.2 95.7 177.7

98 62.4 45.2 84.0





#22

2-Butanone

Concen: 105.492 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

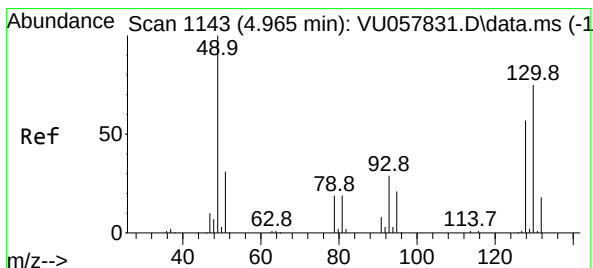
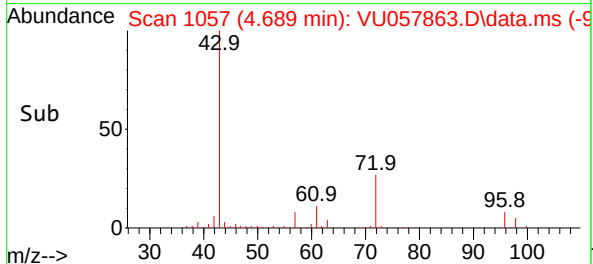
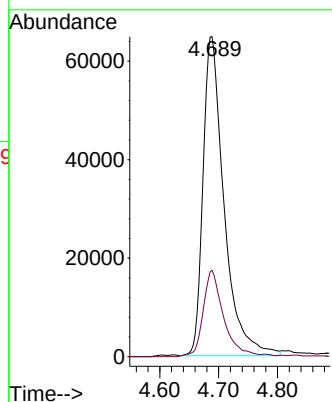
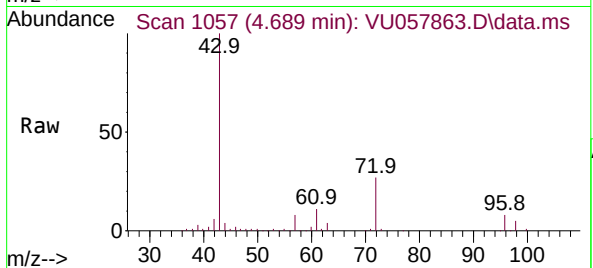
ClientSampleId :

Tgt Ion: 43 Resp: 161074

Ion Ratio Lower Upper

43 100

72 26.1 13.8 41.3



#23

Bromochloromethane

Concen: 49.928 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Tgt Ion:128 Resp: 47597

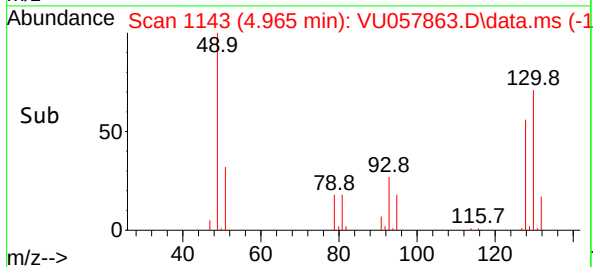
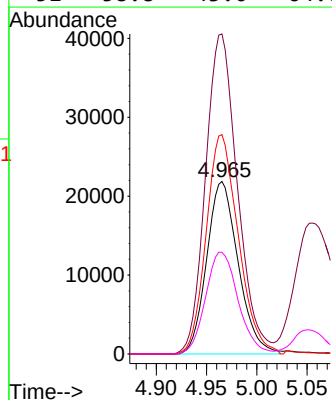
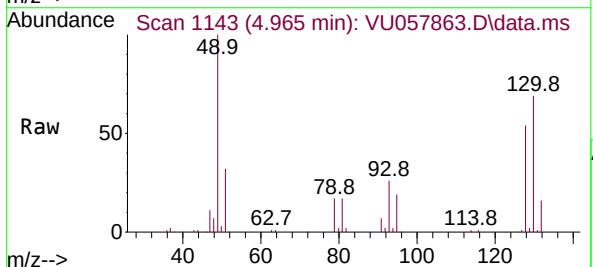
Ion Ratio Lower Upper

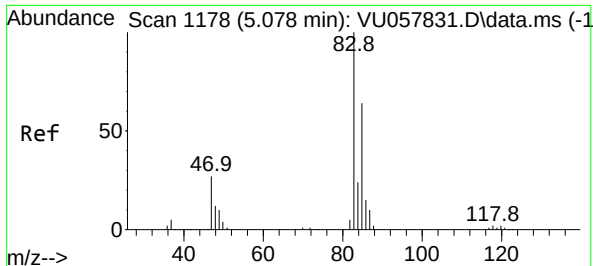
128 100

49 185.4 122.4 227.2

130 127.1 91.8 170.4

51 58.8 43.0 64.6





#25

Chloroform

Concen: 51.465 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

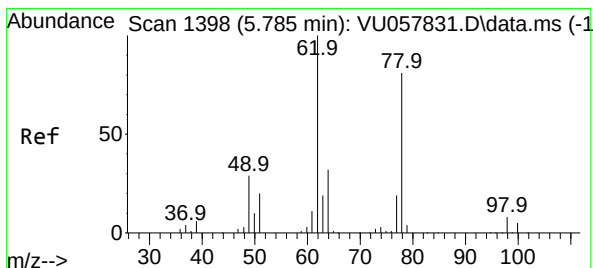
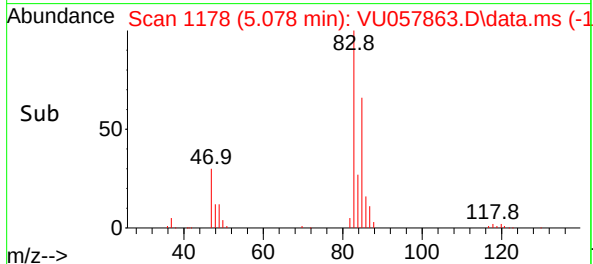
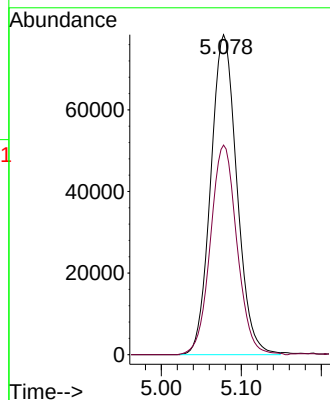
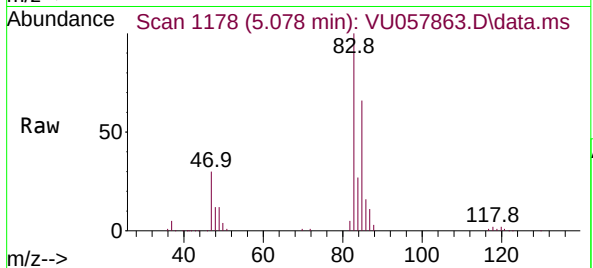
ClientSampleId :

Tgt Ion: 83 Resp: 178187

Ion Ratio Lower Upper

83 100

85 65.5 45.0 83.6



#27

1,2-Dichloroethane

Concen: 52.005 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057863.D

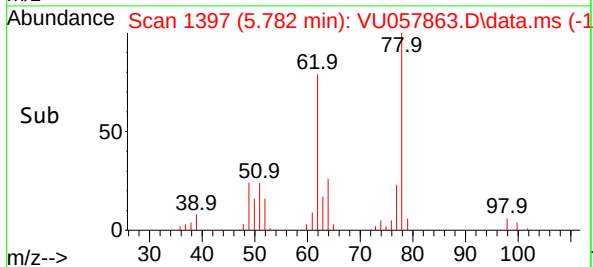
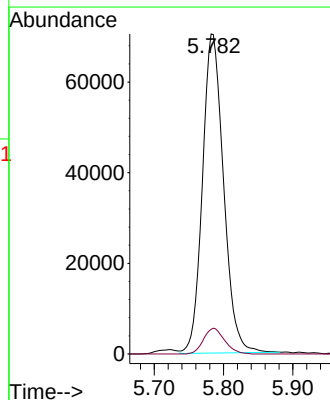
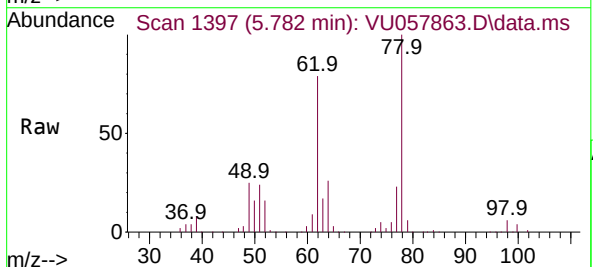
Acq: 15 Feb 2024 09:41

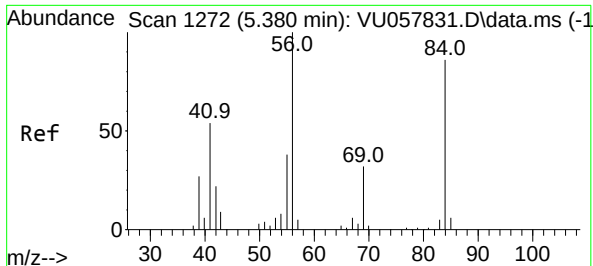
Tgt Ion: 62 Resp: 149104

Ion Ratio Lower Upper

62 100

98 7.7 6.7 10.1





#29

Cyclohexane

Concen: 53.645 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

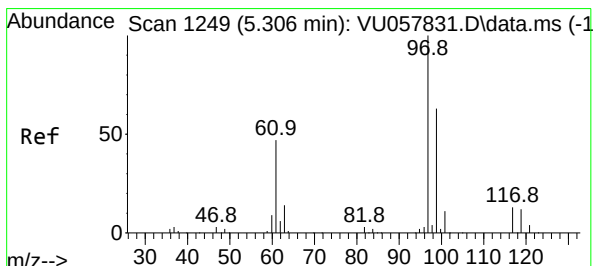
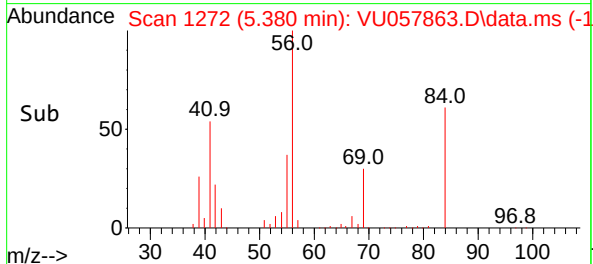
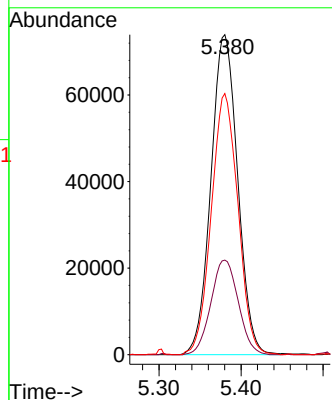
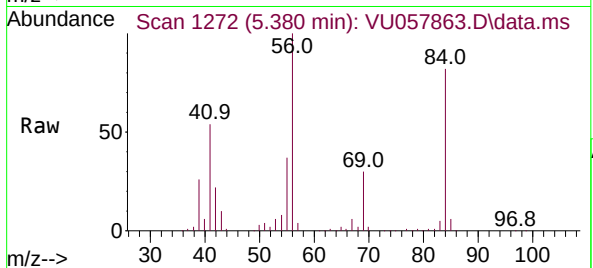
Tgt Ion: 56 Resp: 167969

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.0

84 81.3 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 49.911 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

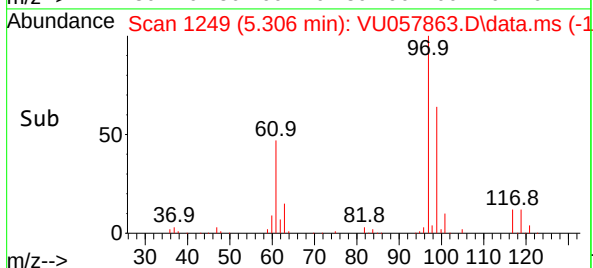
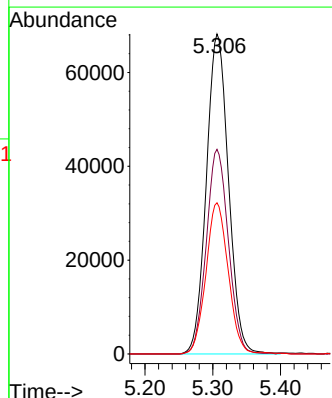
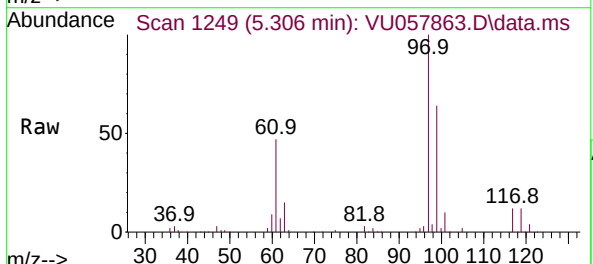
Tgt Ion: 97 Resp: 154909

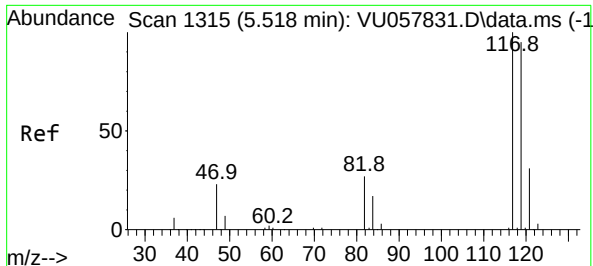
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 47.4 36.7 55.1

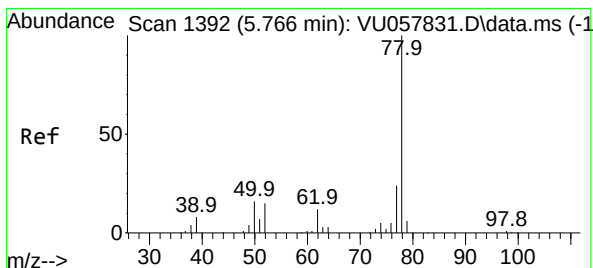
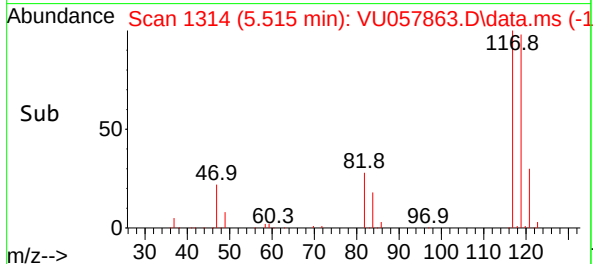
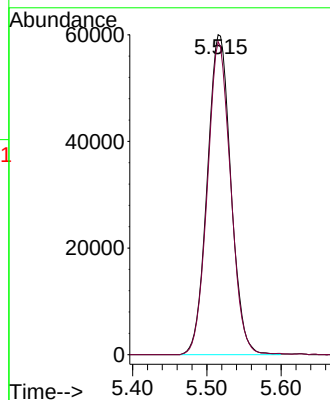
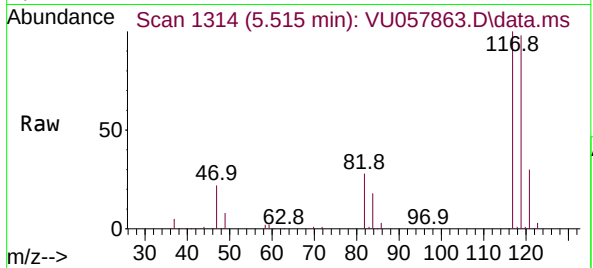




#31
Carbon tetrachloride
Concen: 49.065 ug/L
RT: 5.515 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

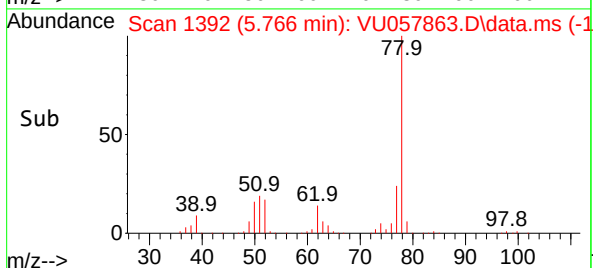
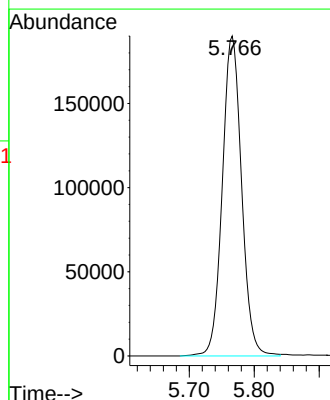
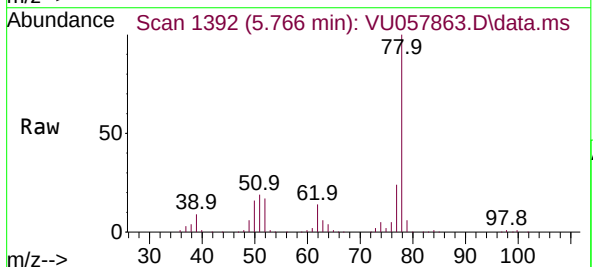
Instrument :
MSVOA_U
ClientSampleId :

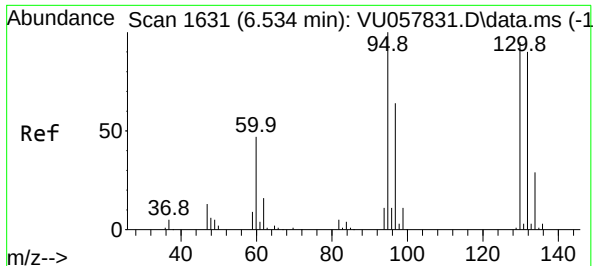
Tgt Ion:117 Resp: 132589
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1



#33
Benzene
Concen: 51.274 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 78 Resp: 390573

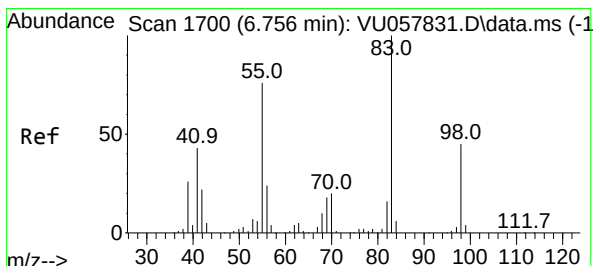
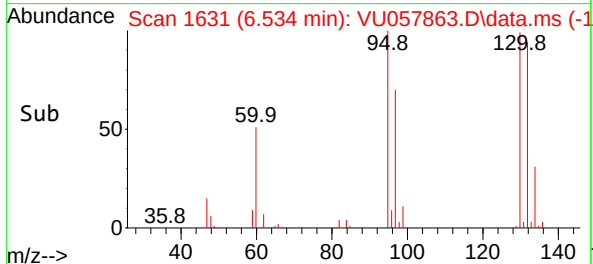
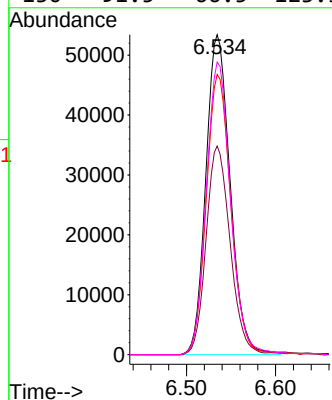
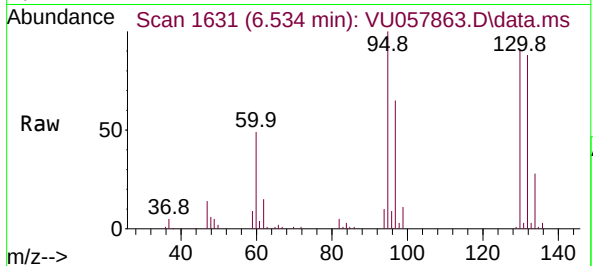




#34
Trichloroethene
Concen: 49.443 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

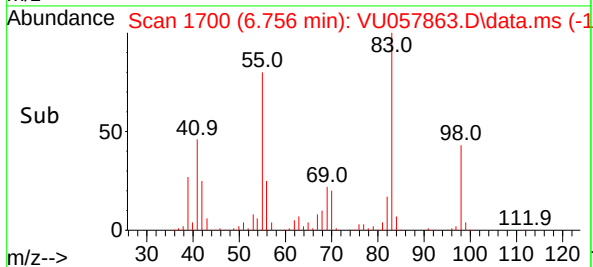
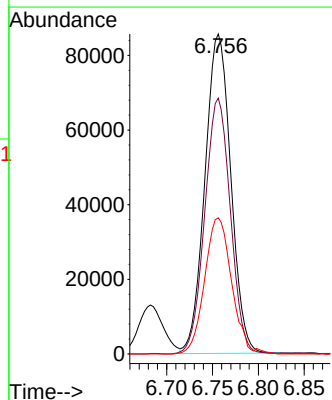
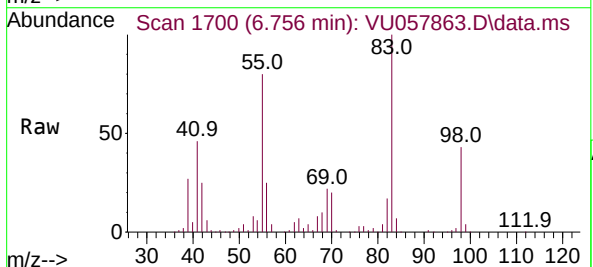
Instrument :
MSVOA_U
ClientSampleId :

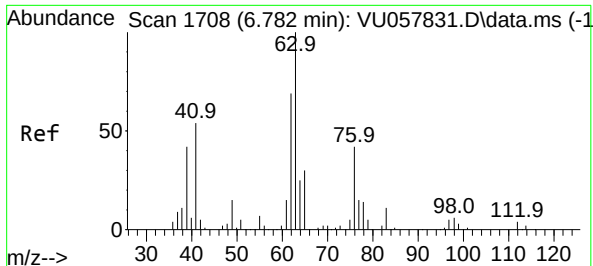
Tgt Ion: 95 Resp: 101272
Ion Ratio Lower Upper
95 100
97 65.2 44.9 83.5
132 87.6 63.1 117.1
130 91.5 66.5 123.5



#35
Methylcyclohexane
Concen: 51.331 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 83 Resp: 168204
Ion Ratio Lower Upper
83 100
55 79.4 59.9 89.9
98 43.8 36.8 55.2





#37

1,2-Dichloropropane

Concen: 52.909 ug/L

RT: 6.782 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

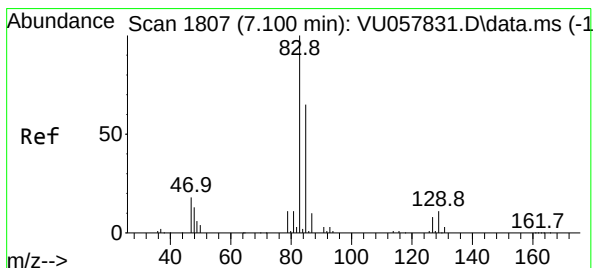
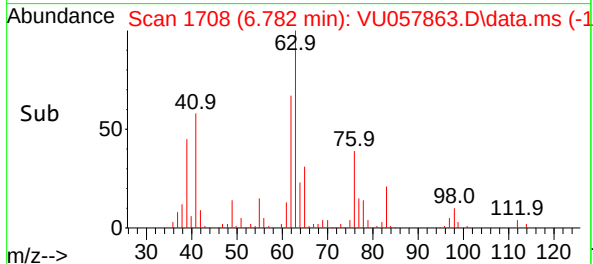
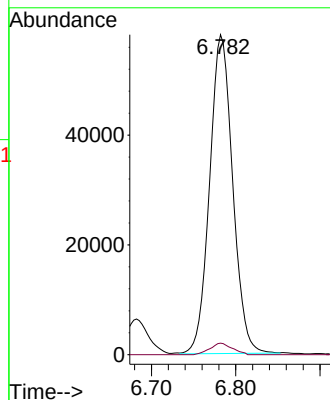
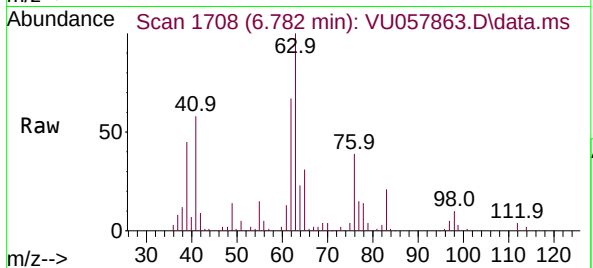
ClientSampleId :

Tgt Ion: 63 Resp: 110495

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 51.005 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

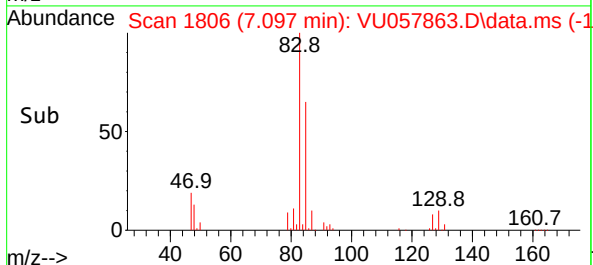
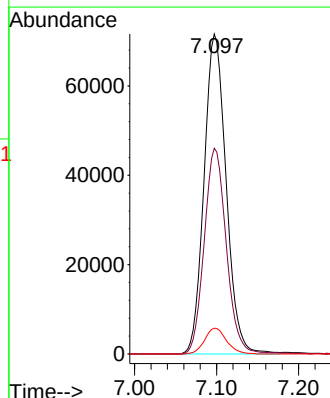
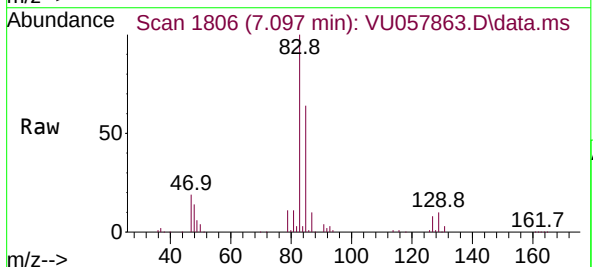
Tgt Ion: 83 Resp: 134115

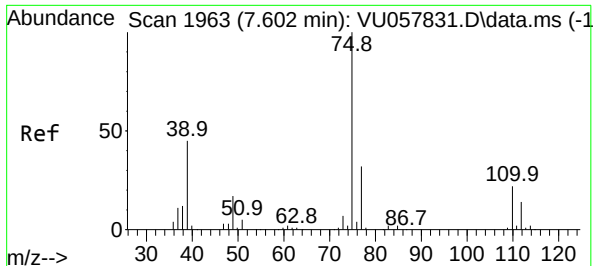
Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.898 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

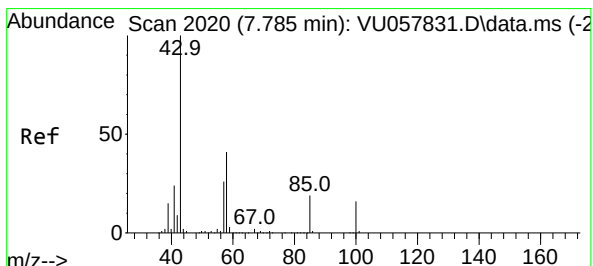
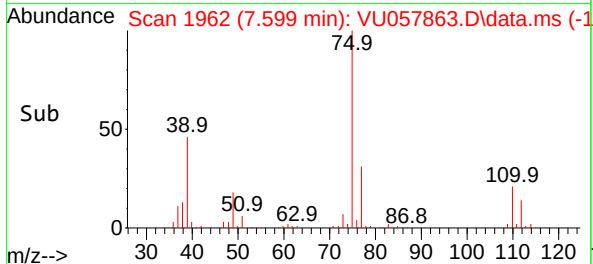
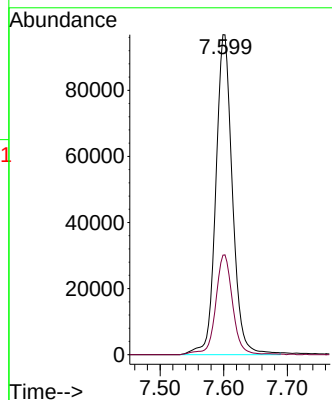
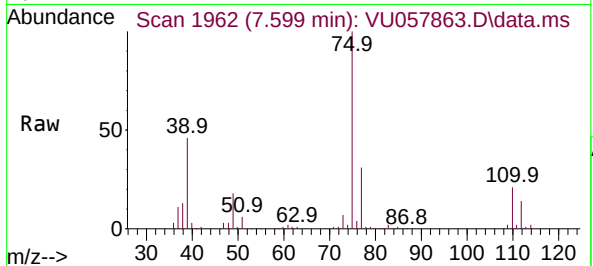
ClientSampleId :

Tgt Ion: 75 Resp: 175678

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 103.899 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

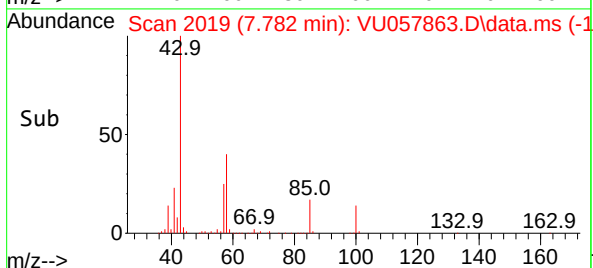
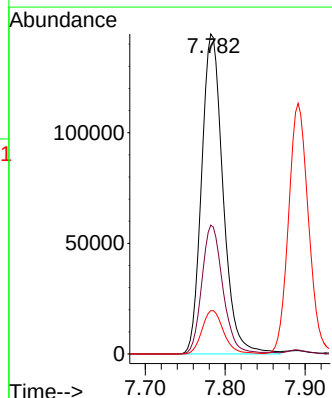
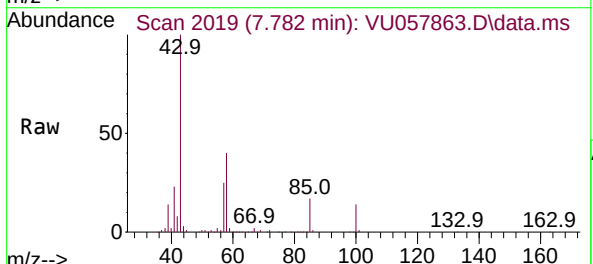
Tgt Ion: 43 Resp: 270100

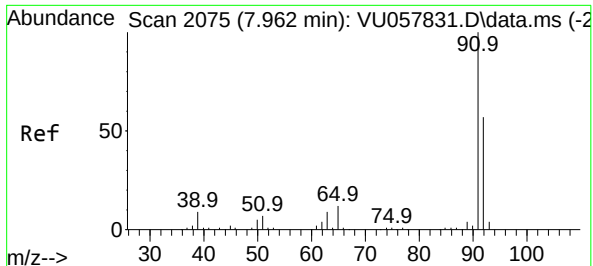
Ion Ratio Lower Upper

43 100

58 39.5 32.5 48.7

100 13.7 12.2 18.4





#42

Toluene

Concen: 50.844 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

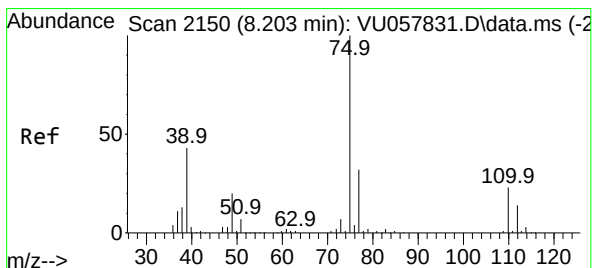
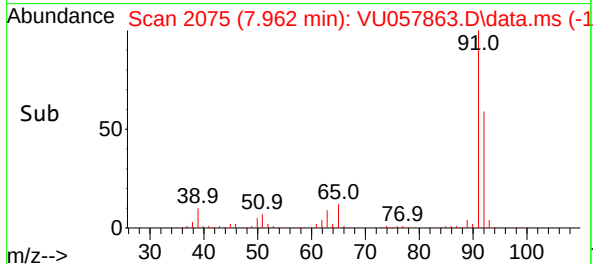
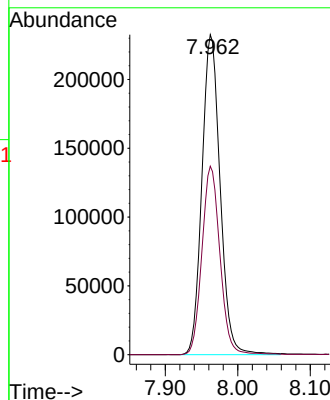
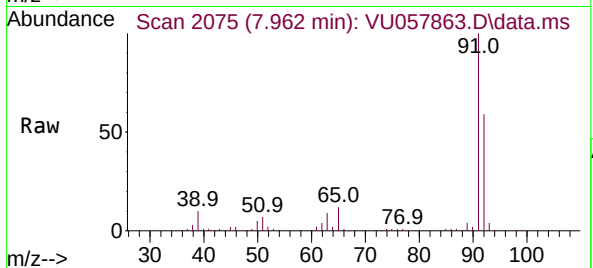
ClientSampleId :

Tgt Ion: 91 Resp: 405630

Ion Ratio Lower Upper

91 100

92 58.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.779 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057863.D

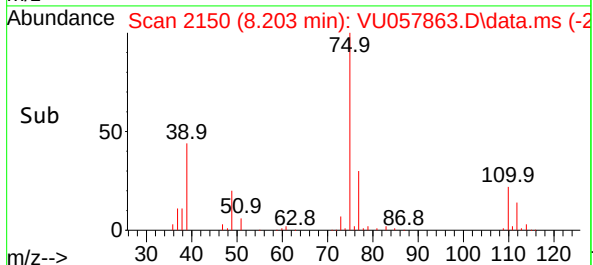
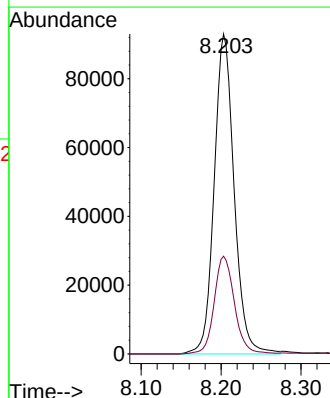
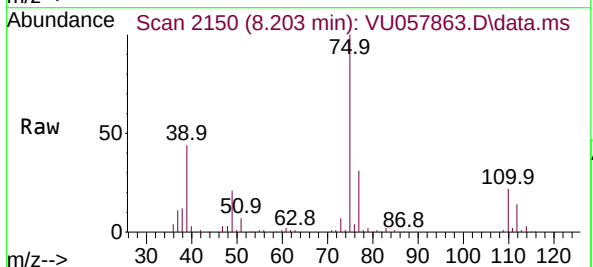
Acq: 15 Feb 2024 09:41

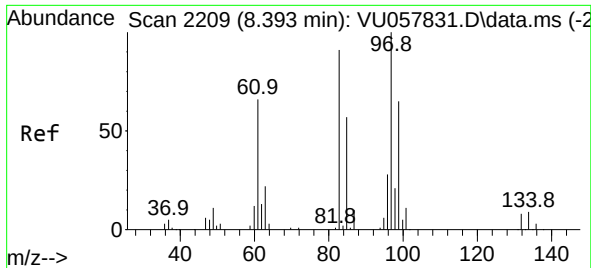
Tgt Ion: 75 Resp: 160913

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6

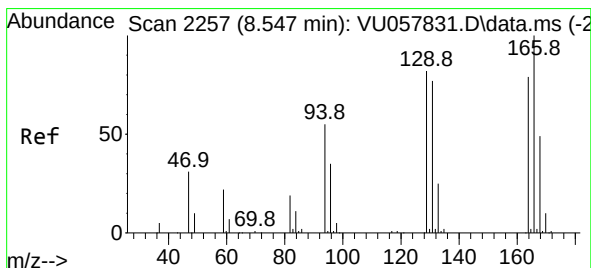
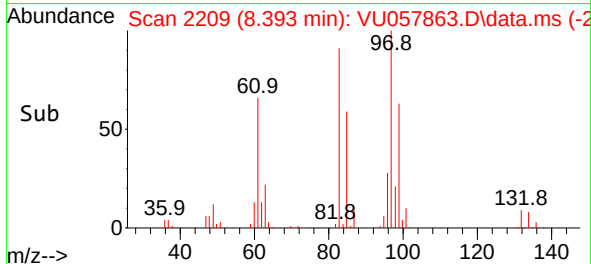
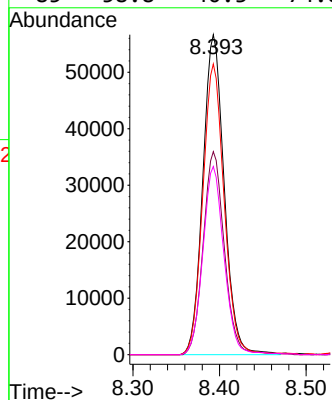
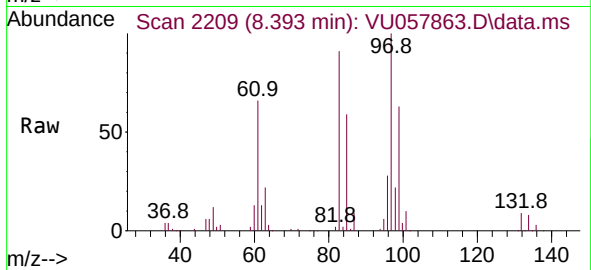




#45
1,1,2-Trichloroethane
Concen: 50.250 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

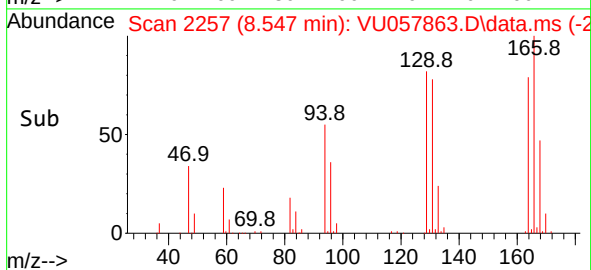
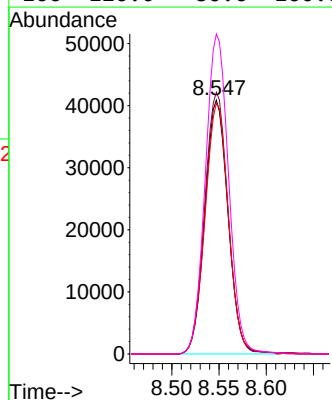
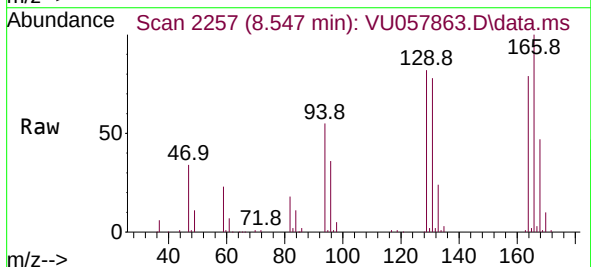
Instrument :
MSVOA_U
ClientSampleId :

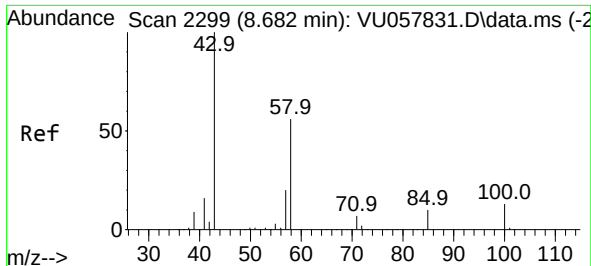
Tgt Ion:	97	Resp:	96901
Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.1	83.9
83	90.9	63.8	118.6
85	58.8	40.3	74.8



#46
Tetrachloroethene
Concen: 49.163 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

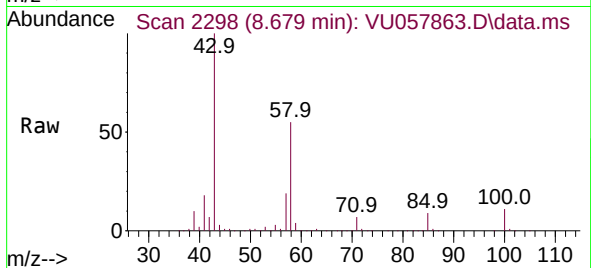
Tgt Ion:	164	Resp:	69845
Ion	Ratio	Lower	Upper
164	100		
129	103.1	70.8	131.4
131	98.7	66.8	124.0
166	126.0	86.6	160.8



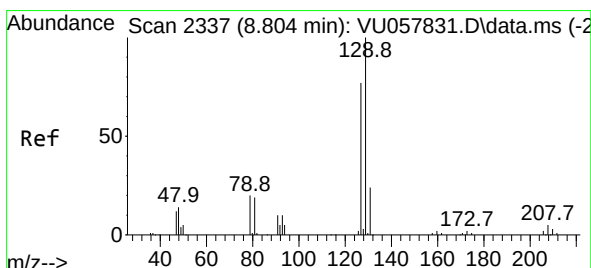
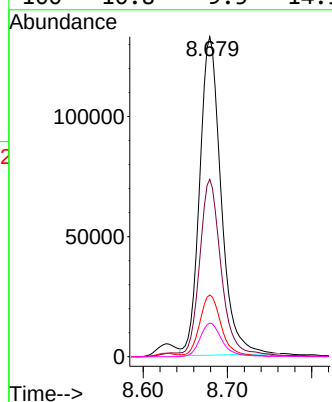
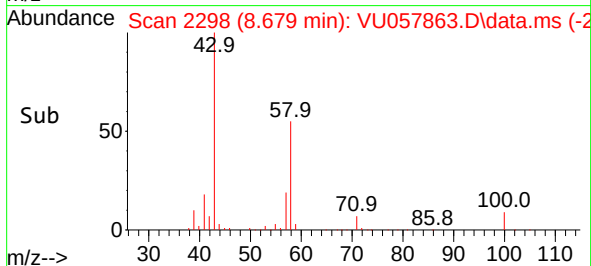


#48
2-Hexanone
Concen: 103.712 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Instrument :
MSVOA_U
ClientSampleId :

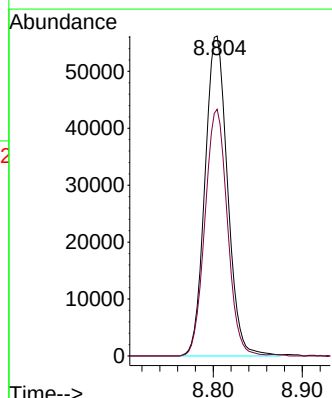
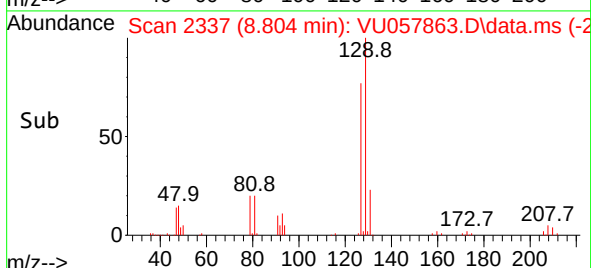
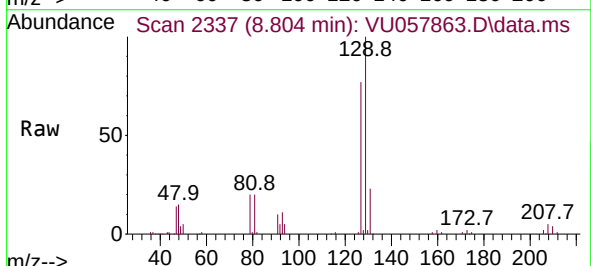


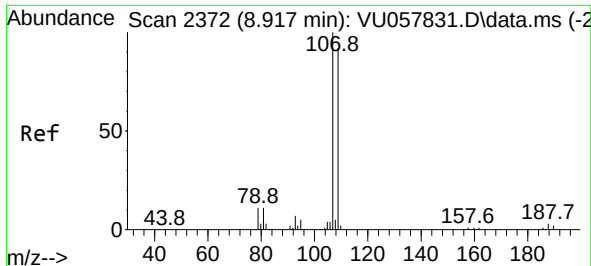
Tgt Ion: 43 Resp: 234544
Ion Ratio Lower Upper
43 100
58 55.5 44.1 66.1
57 19.6 15.4 23.2
100 10.8 9.5 14.3



#49
Dibromochloromethane
Concen: 50.786 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 129 Resp: 98774
Ion Ratio Lower Upper
129 100
127 75.8 54.1 100.5

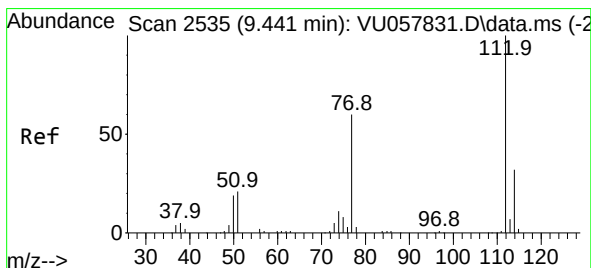
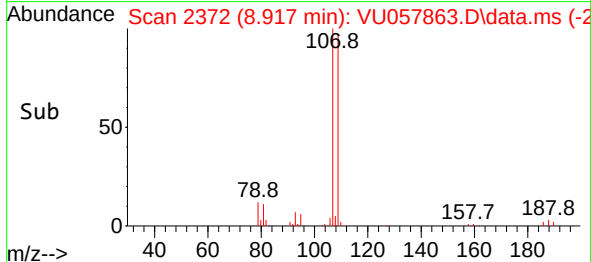
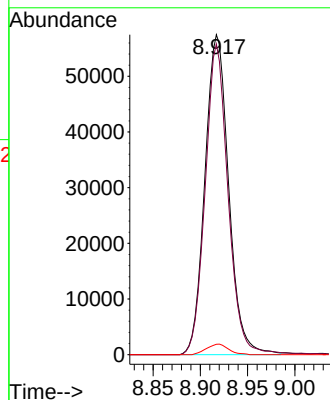
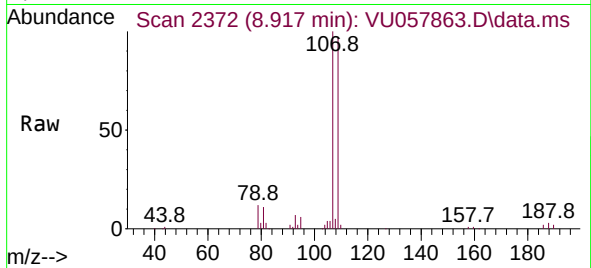




#50
1,2-Dibromoethane
Concen: 48.754 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

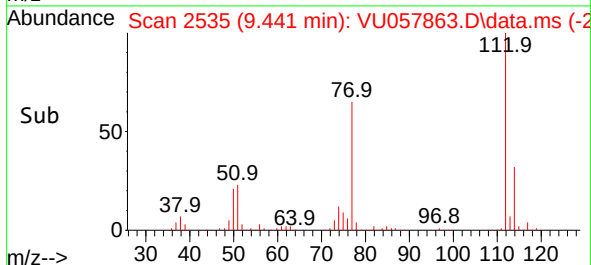
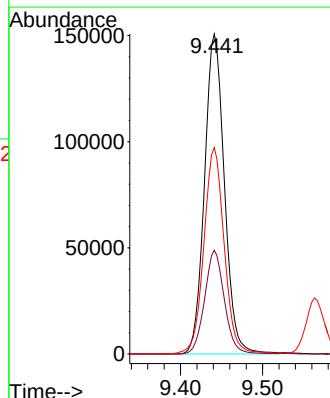
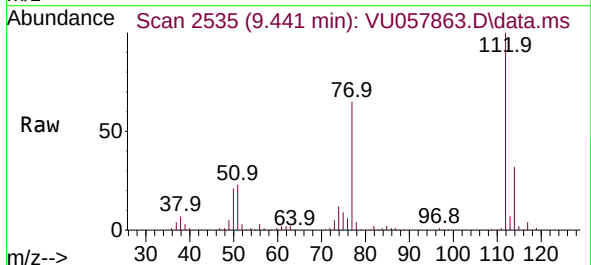
Instrument :
MSVOA_U
ClientSampleId :

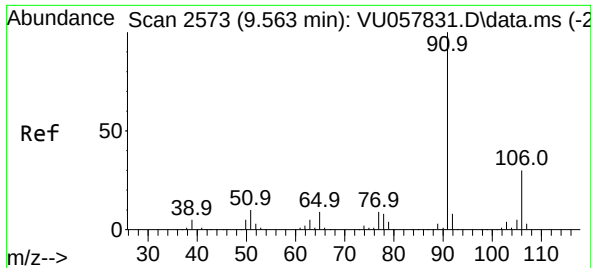
Tgt Ion:107 Resp: 100450
Ion Ratio Lower Upper
107 100
109 97.1 64.4 119.6
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 50.261 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion:112 Resp: 254659
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 64.5 48.2 72.4

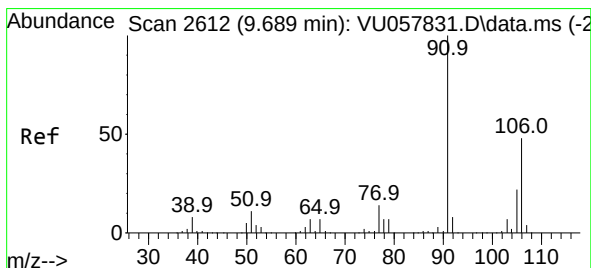
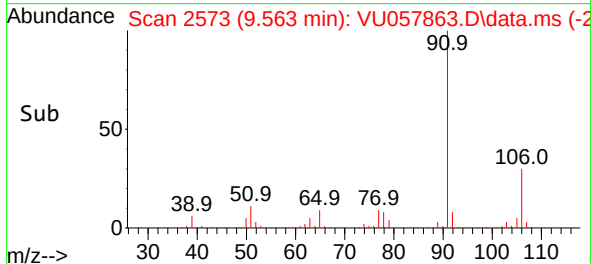
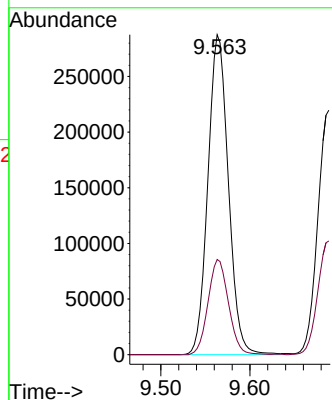
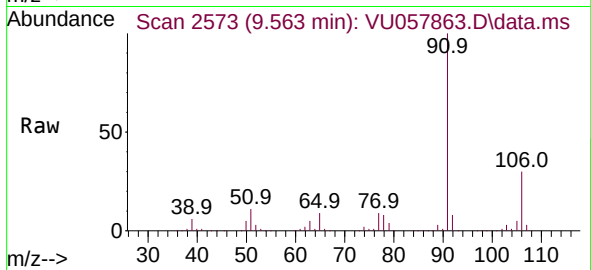




#52
Ethylbenzene
Concen: 50.666 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

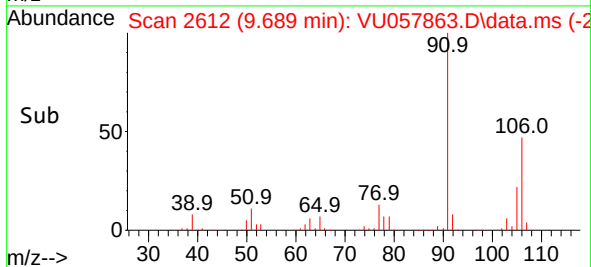
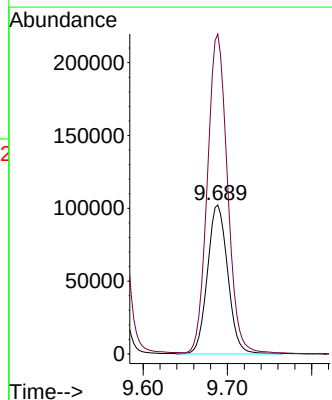
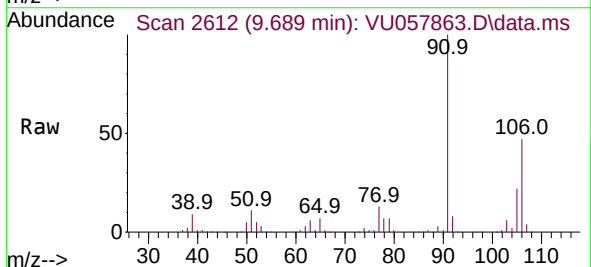
Instrument :
MSVOA_U
ClientSampleId :

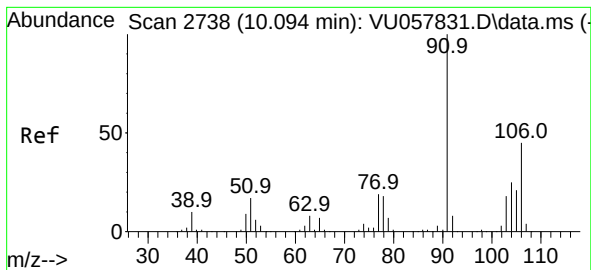
Tgt Ion: 91 Resp: 458518
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.9



#53
m,p-Xylene
Concen: 51.654 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 106 Resp: 171798
Ion Ratio Lower Upper
106 100
91 214.8 145.3 269.9





#54

o-Xylene

Concen: 51.979 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

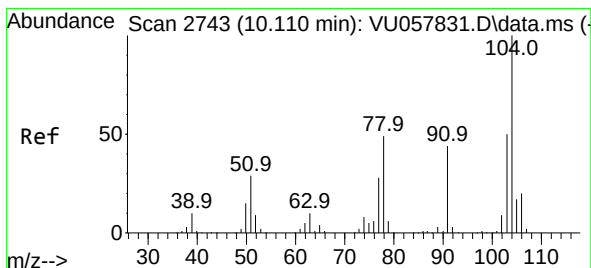
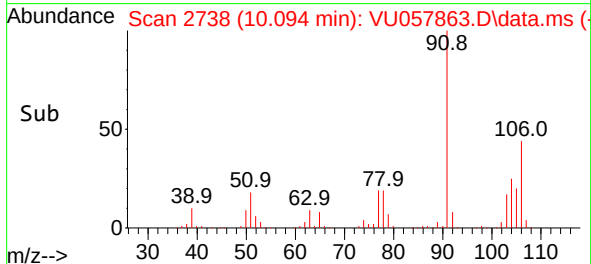
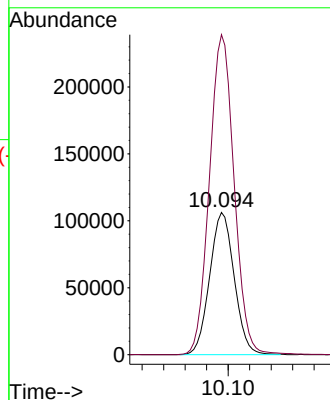
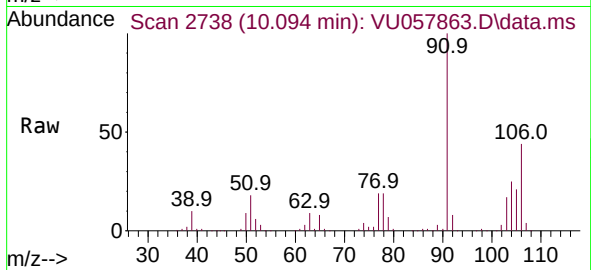
ClientSampleId :

Tgt Ion:106 Resp: 168336

Ion Ratio Lower Upper

106 100

91 224.9 155.3 288.3



#55

Styrene

Concen: 53.649 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057863.D

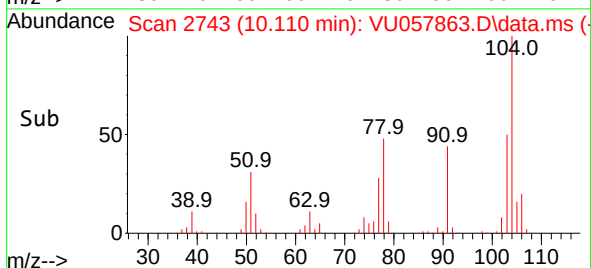
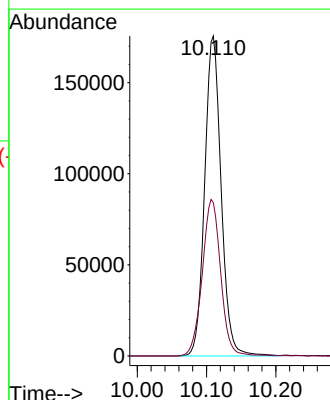
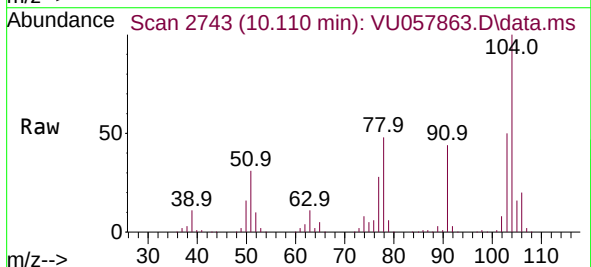
Acq: 15 Feb 2024 09:41

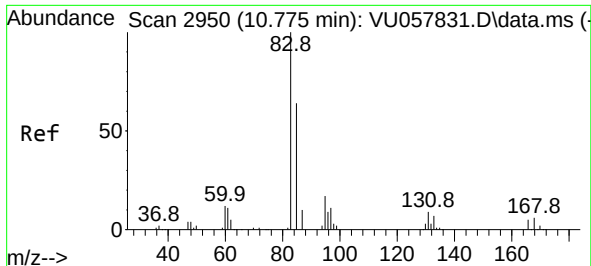
Tgt Ion:104 Resp: 290039

Ion Ratio Lower Upper

104 100

78 47.9 34.3 63.7

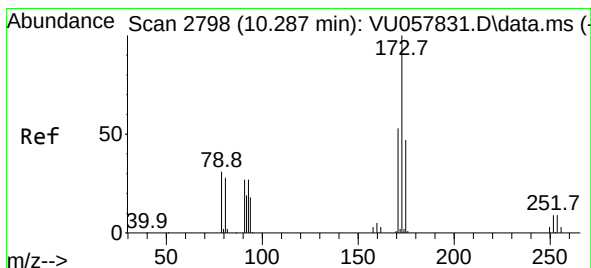
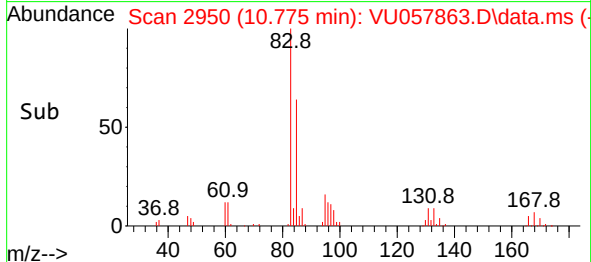
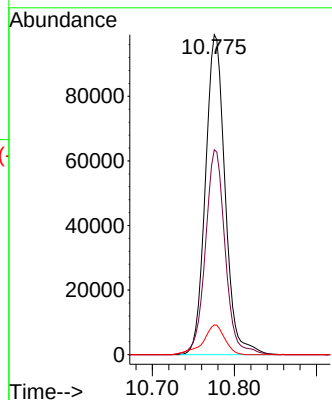
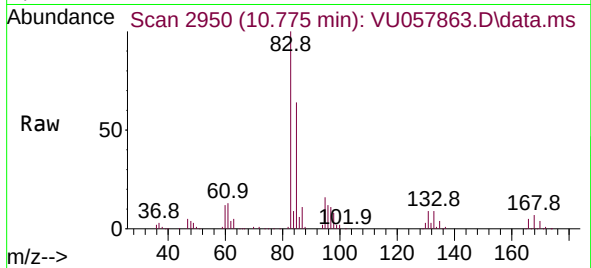




#57
1,1,2,2-Tetrachloroethane
Concen: 52.993 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

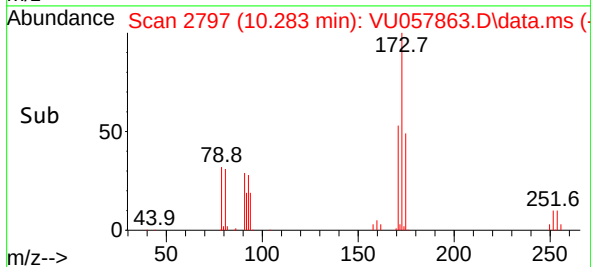
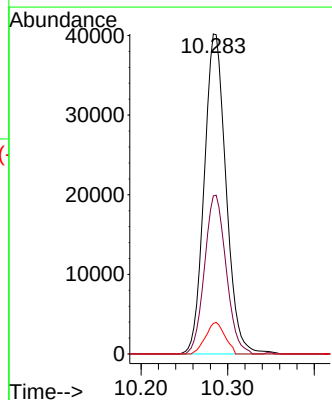
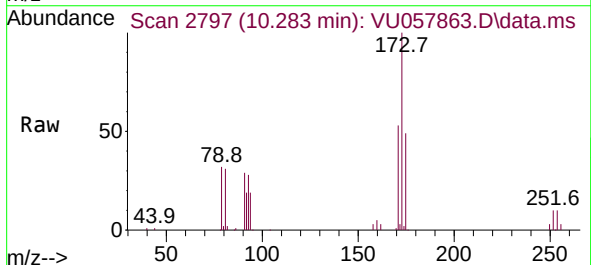
Instrument :
MSVOA_U
ClientSampleId :

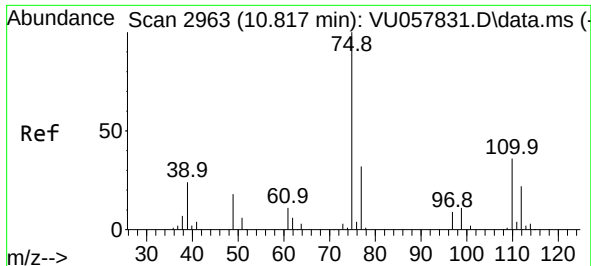
Tgt Ion: 83 Resp: 164688
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.7
131 9.3 7.5 11.3



#59
Bromoform
Concen: 48.892 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 173 Resp: 70281
Ion Ratio Lower Upper
173 100
175 49.1 37.7 56.5
254 8.7 6.2 9.2

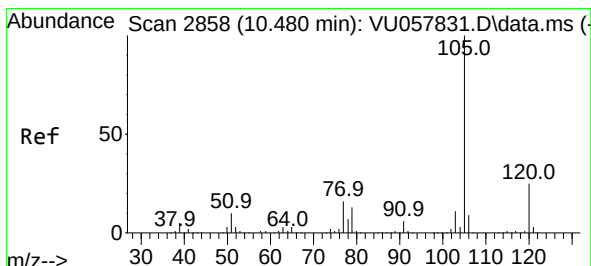
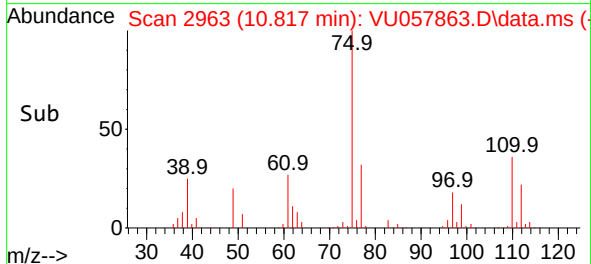
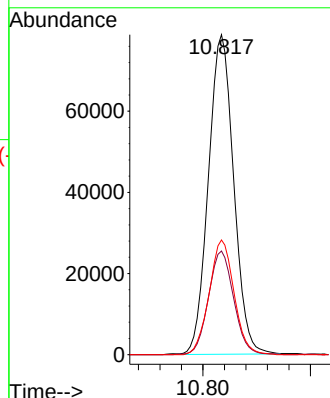
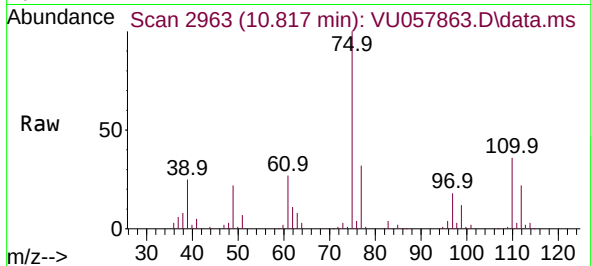




#60
1,2,3-Trichloropropane
Concen: 49.655 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

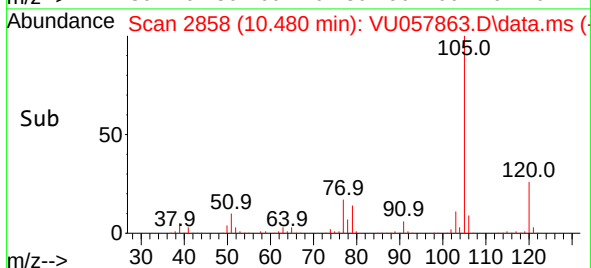
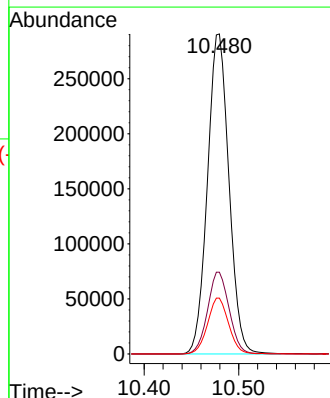
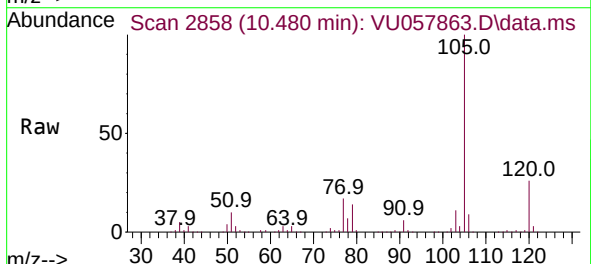
Instrument :
MSVOA_U
ClientSampleId :

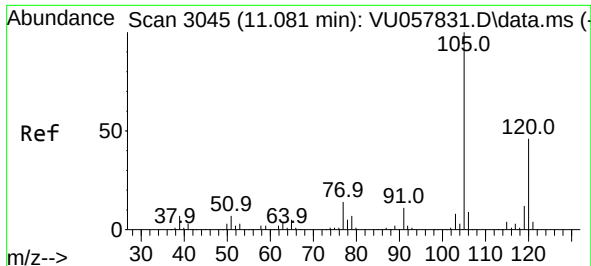
Tgt Ion: 75 Resp: 128625
Ion Ratio Lower Upper
75 100
77 32.4 26.1 39.1
110 35.3 29.1 43.7



#61
Isopropylbenzene
Concen: 50.692 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057863.D
Acq: 15 Feb 2024 09:41

Tgt Ion: 105 Resp: 458258
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 17.1 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 52.140 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

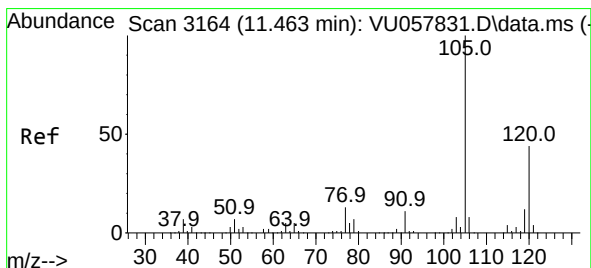
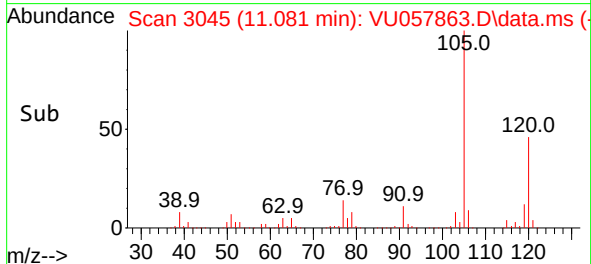
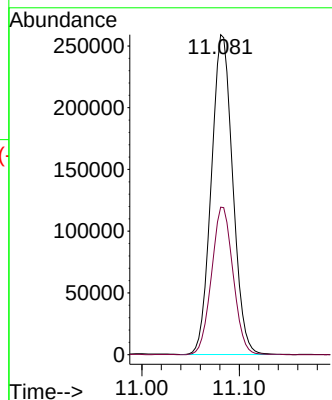
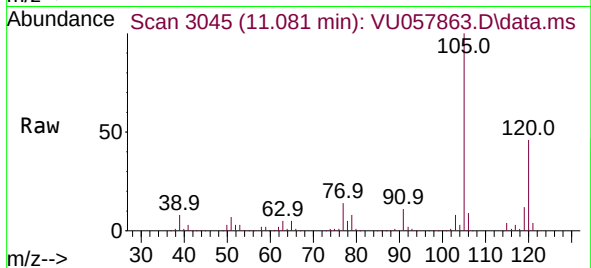
ClientSampleId :

Tgt Ion:105 Resp: 395542

Ion Ratio Lower Upper

105 100

120 46.4 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 53.207 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057863.D

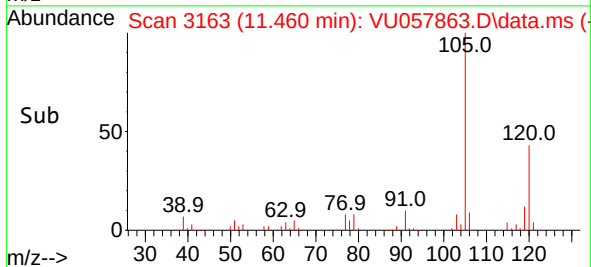
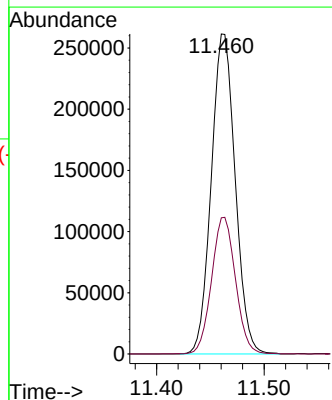
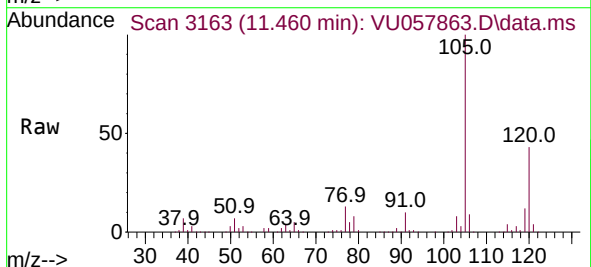
Acq: 15 Feb 2024 09:41

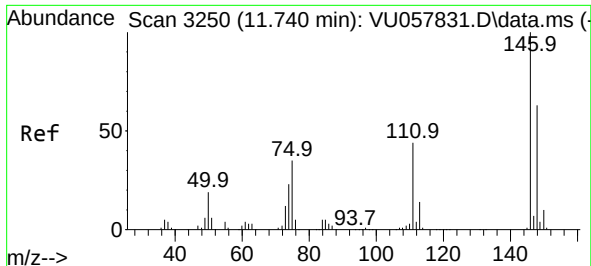
Tgt Ion:105 Resp: 403992

Ion Ratio Lower Upper

105 100

120 42.5 35.4 53.0

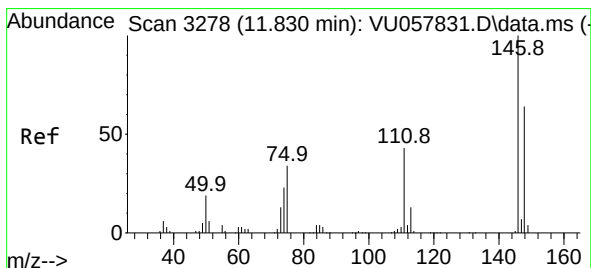
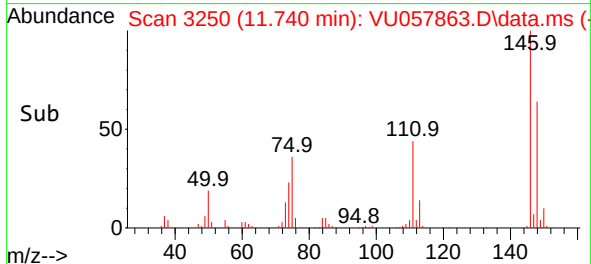
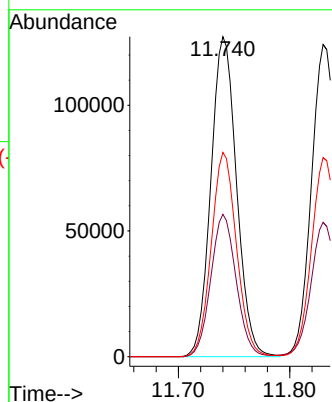
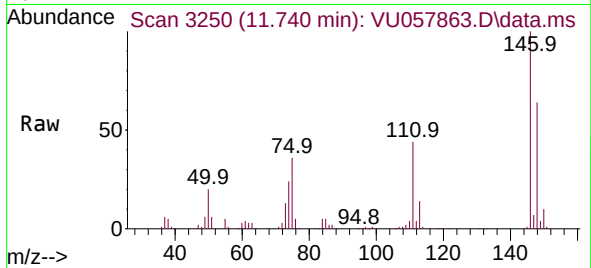




#64
 1,3-Dichlorobenzene
 Concen: 52.058 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057863.D
 Acq: 15 Feb 2024 09:41

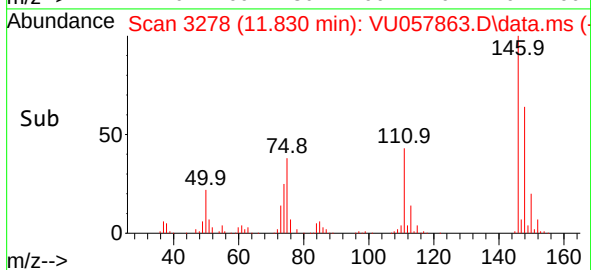
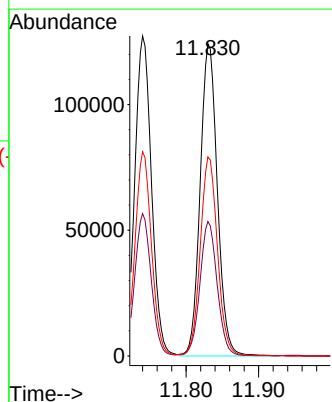
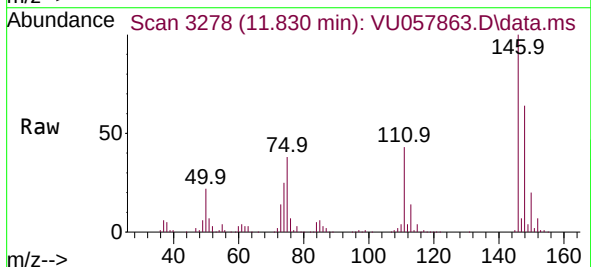
Instrument :
 MSVOA_U
 ClientSampleId :

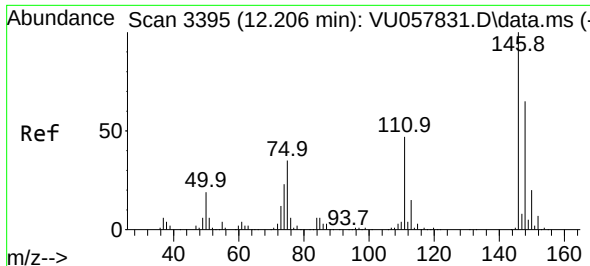
Tgt Ion:146 Resp: 203906
 Ion Ratio Lower Upper
 146 100
 111 44.5 31.1 57.7
 148 63.9 46.8 86.8



#65
 1,4-Dichlorobenzene
 Concen: 50.976 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. -0.003 min
 Lab File: VU057863.D
 Acq: 15 Feb 2024 09:41

Tgt Ion:146 Resp: 204801
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.5 56.7
 148 63.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 49.946 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

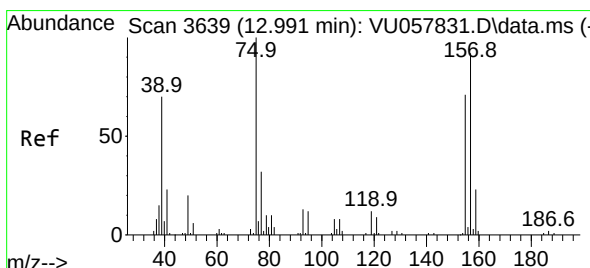
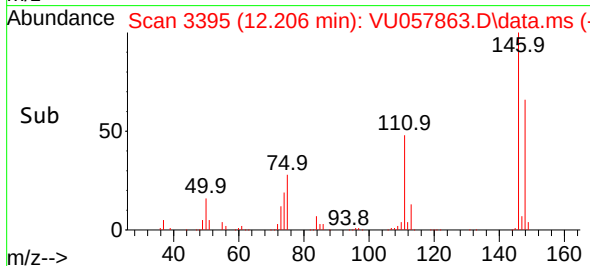
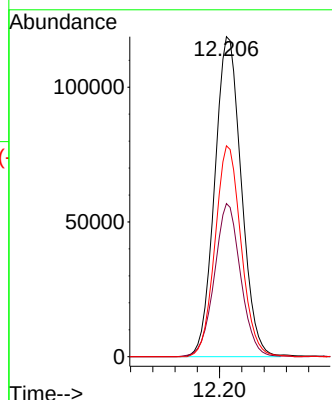
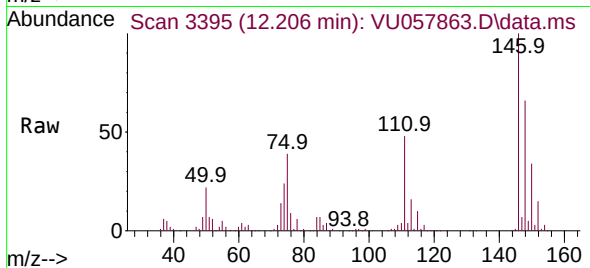
Tgt Ion:146 Resp: 197218

Ion Ratio Lower Upper

146 100

111 47.9 37.8 56.8

148 65.9 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 46.842 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

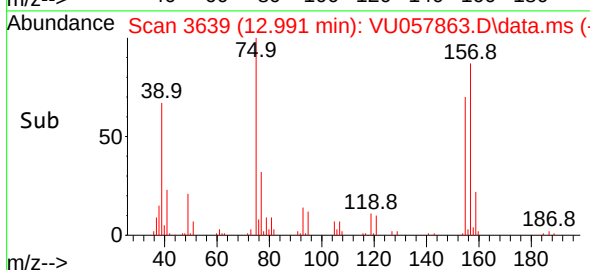
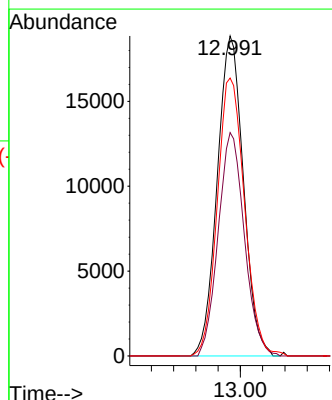
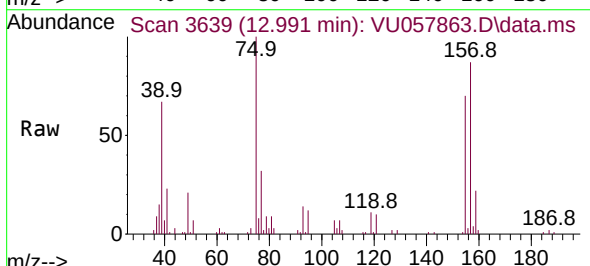
Tgt Ion: 75 Resp: 30776

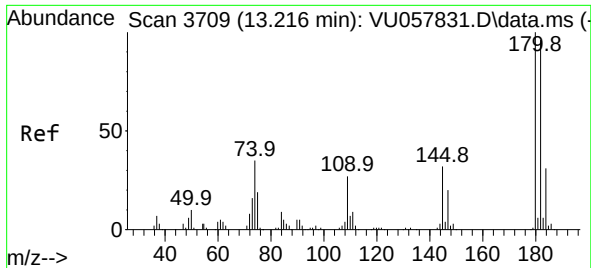
Ion Ratio Lower Upper

75 100

155 72.9 55.9 83.9

157 90.9 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 49.831 ug/L

RT: 13.213 min Scan# 3709

Delta R.T. -0.003 min

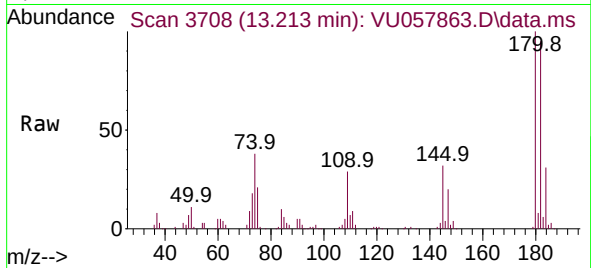
Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 137472

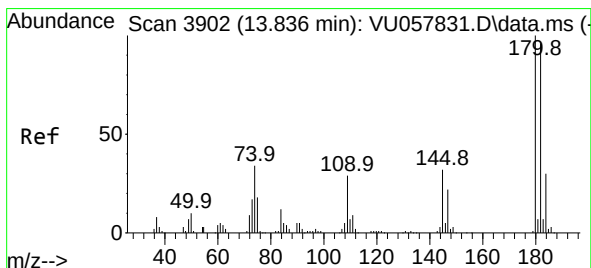
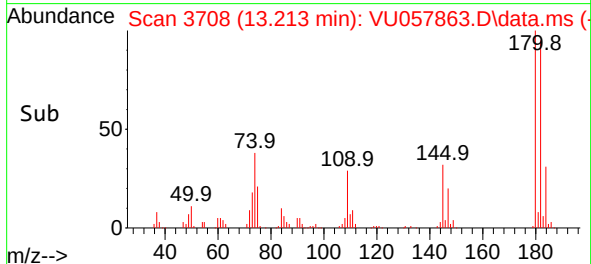
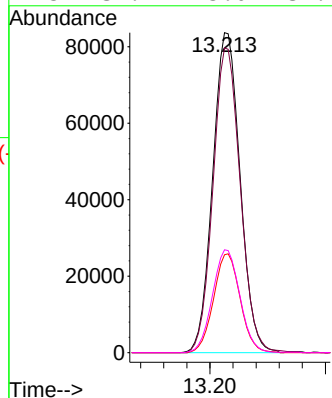
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.0 24.3 36.5

145 32.2 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 46.669 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

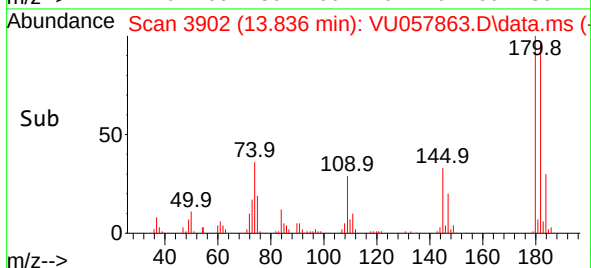
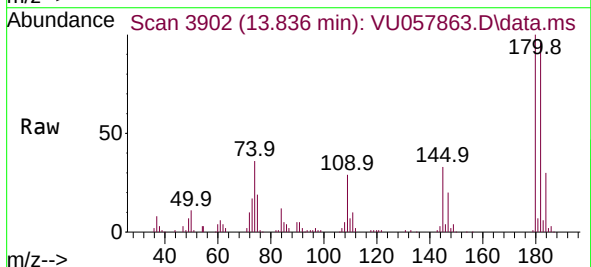
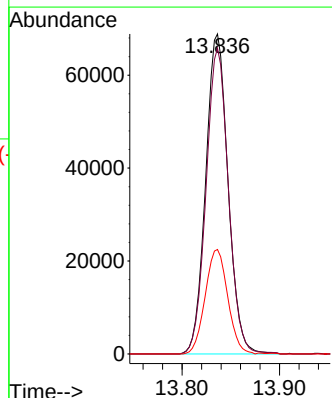
Tgt Ion:180 Resp: 109980

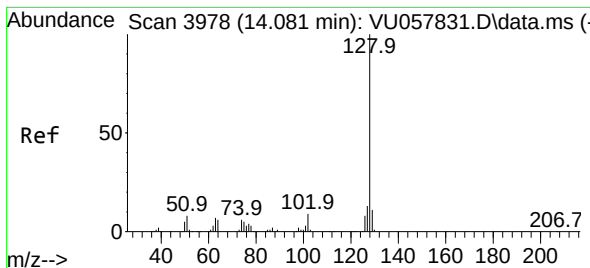
Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 32.9 25.5 38.3





#71

Naphthalene

Concen: 40.844 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

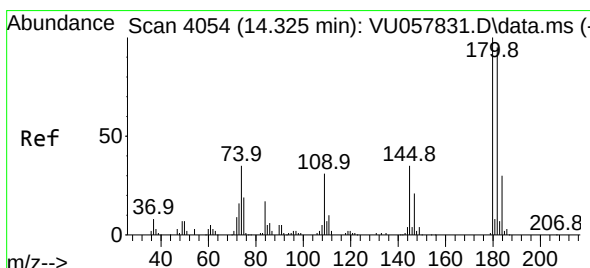
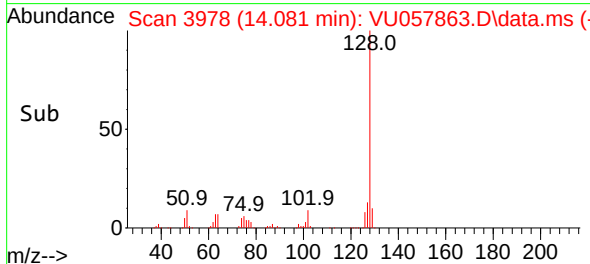
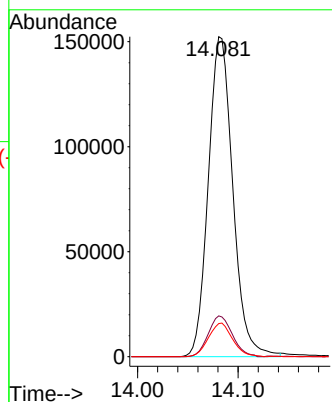
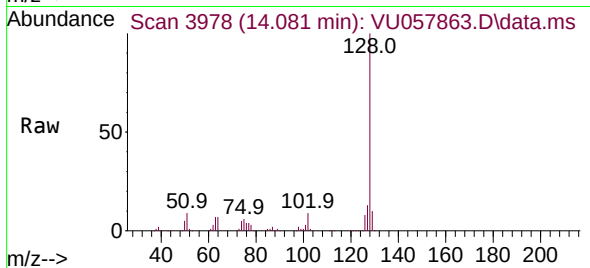
Tgt Ion:128 Resp: 258028

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.3 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 43.666 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057863.D

Acq: 15 Feb 2024 09:41

Tgt Ion:180 Resp: 96286

Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 33.9 27.7 41.5

