

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022124\
 Data File : VU057913.D
 Acq On : 21 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 21 23:53:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 00:11:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	297854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	286288	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	138952	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90395	41.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.840%
7) Chloroethane-d5	1.908	69	71236	44.695	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.380%
11) 1,1-Dichloroethene-d2	2.564	63	179787	44.737	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.480%
21) 2-Butanone-d5	4.612	46	84606	103.263	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.260%
24) Chloroform-d	5.052	84	168121	45.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
26) 1,2-Dichloroethane-d4	5.692	65	104946	45.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
32) Benzene-d6	5.718	84	327721	45.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
36) 1,2-Dichloropropane-d6	6.682	67	106662	46.041	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.080%
41) Toluene-d8	7.891	98	300569	46.281	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.560%
43) trans-1,3-Dichloroprop...	8.174	79	49876	45.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
47) 2-Hexanone-d5	8.624	63	65147	73.149	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.150%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	128258	40.121	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.240%
66) 1,2-Dichlorobenzene-d4	12.187	152	99208	44.094	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	149036	45.642	ug/L	100
3) Chloromethane	1.515	50	142272	42.852	ug/L	99
5) Vinyl chloride	1.599	62	146049	44.547	ug/L	99
6) Bromomethane	1.853	94	79202	61.873	ug/L	99
8) Chloroethane	1.927	64	84627	44.137	ug/L	100
9) Trichlorofluoromethane	2.133	101	186150	46.401	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	112448	48.228	ug/L	99
12) 1,1-Dichloroethene	2.573	96	99368	46.076	ug/L	99
13) Acetone	2.609	43	139404	91.894	ug/L	100
14) Carbon disulfide	2.789	76	329348	46.665	ug/L	99
15) Methyl Acetate	2.937	43	100384	40.646	ug/L	100
16) Methylene chloride	3.036	84	113228	40.282	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	104419	46.670	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	344807	44.265	ug/L	99
19) 1,1-Dichloroethane	3.859	63	211431	45.580	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	117513	45.784	ug/L	99
22) 2-Butanone	4.686	43	154843	84.250	ug/L	98
23) Bromochloromethane	4.965	128	56306	45.151	ug/L	98
25) Chloroform	5.078	83	210803	46.026	ug/L	98

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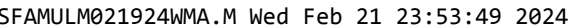
Instrument :
 MSVOA_U
 ClientSampleId :

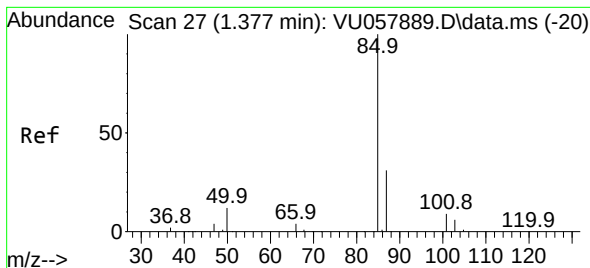
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	168159	44.125	ug/L	100
29) Cyclohexane	5.380	56	199592	47.370	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	179388	46.498	ug/L	99
31) Carbon tetrachloride	5.515	117	158075	47.714	ug/L	98
33) Benzene	5.766	78	455008	45.568	ug/L	100
34) Trichloroethene	6.535	95	120587	46.980	ug/L	99
35) Methylcyclohexane	6.756	83	202303	48.511	ug/L	100
37) 1,2-Dichloropropane	6.782	63	128440	45.586	ug/L	100
38) Bromodichloromethane	7.097	83	157947	46.683	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	203193	47.191	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	276775	78.038	ug/L	100
42) Toluene	7.962	91	484040	46.839	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	186731	46.732	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	110899	44.298	ug/L	99
46) Tetrachloroethene	8.547	164	85404	48.348	ug/L	97
48) 2-Hexanone	8.676	43	222234	76.768	ug/L	98
49) Dibromochloromethane	8.801	129	113592	45.561	ug/L	99
50) 1,2-Dibromoethane	8.917	107	118442	44.933	ug/L	99
51) Chlorobenzene	9.441	112	304212	46.293	ug/L	98
52) Ethylbenzene	9.563	91	544175	46.962	ug/L	99
53) m,p-Xylene	9.689	106	200809	47.652	ug/L	99
54) o-Xylene	10.094	106	195017	46.838	ug/L	95
55) Styrene	10.107	104	329177	46.103	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	169317	39.702	ug/L	99
59) Bromoform	10.284	173	78494	46.019	ug/L #	100
60) 1,2,3-Trichloropropane	10.814	75	132342	41.110	ug/L	99
61) Isopropylbenzene	10.476	105	529138	48.728	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	442691	47.318	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	438245	46.618	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	221726	46.180	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	223939	45.785	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	212764	45.043	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	29800	38.988	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	149684	46.351	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	121626	46.778	ug/L	100
71) Naphthalene	14.081	128	270425	39.166	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	103659	43.406	ug/L	98

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

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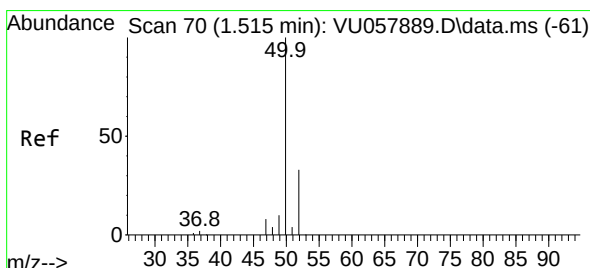
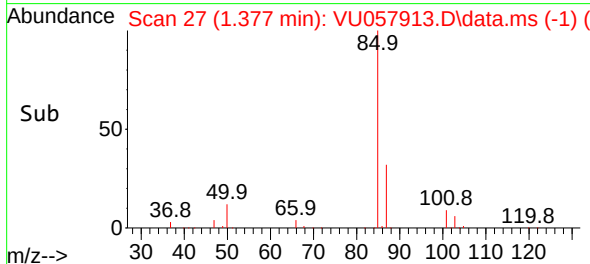
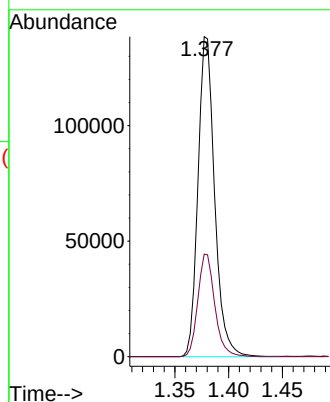
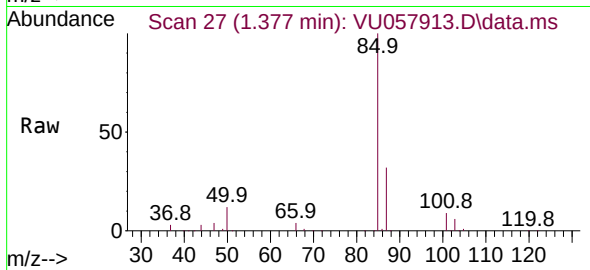




#2
 Dichlorodifluoromethane
 Concen: 45.642 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

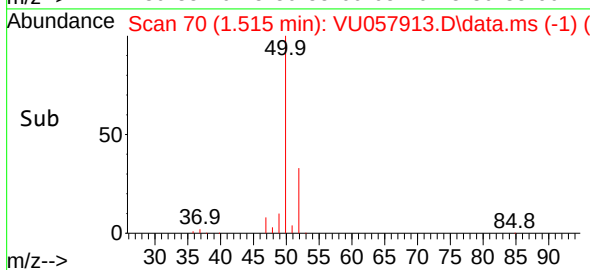
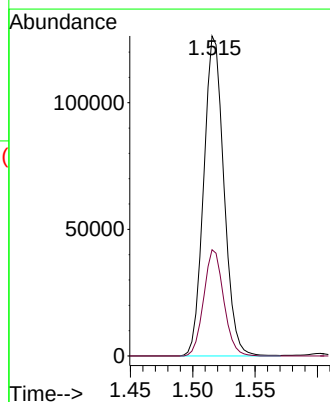
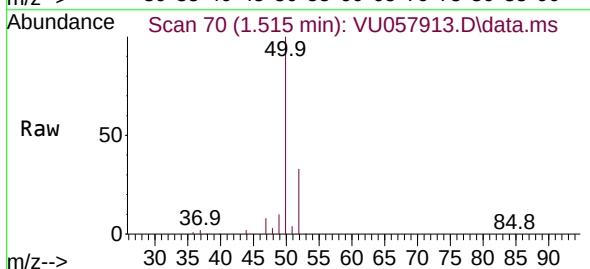
Instrument :
 MSVOA_U
 ClientSampleId :

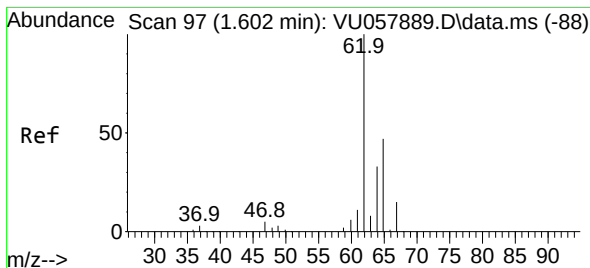
Tgt Ion: 85 Resp: 149036
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.2



#3
 Chloromethane
 Concen: 42.852 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

Tgt Ion: 50 Resp: 142272
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.8 44.2





#5

Vinyl chloride

Concen: 44.547 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

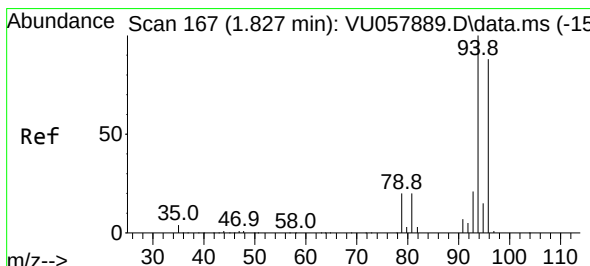
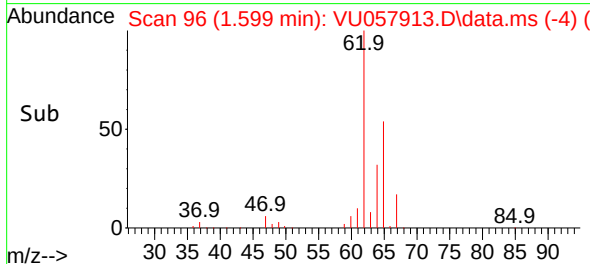
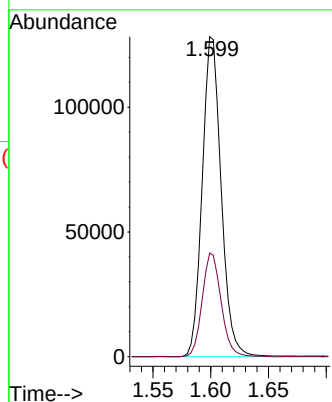
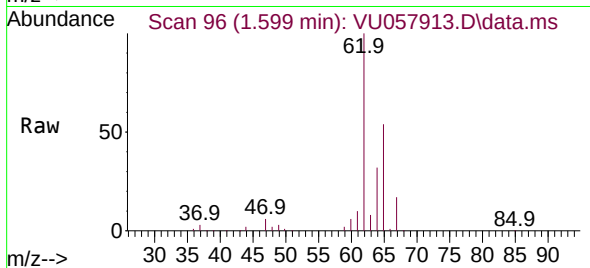
ClientSampleId :

Tgt Ion: 62 Resp: 146049

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



#6

Bromomethane

Concen: 61.873 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.026 min

Lab File: VU057913.D

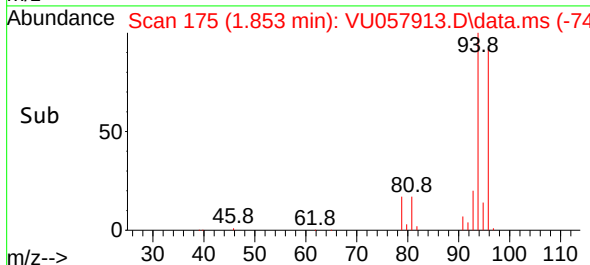
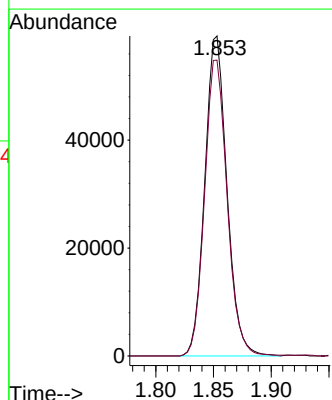
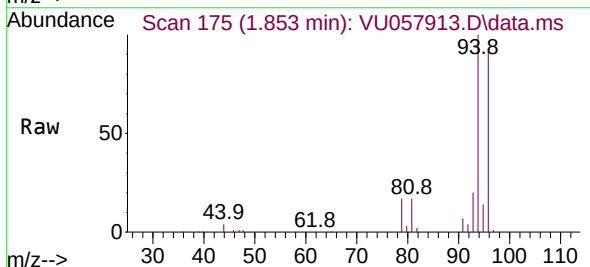
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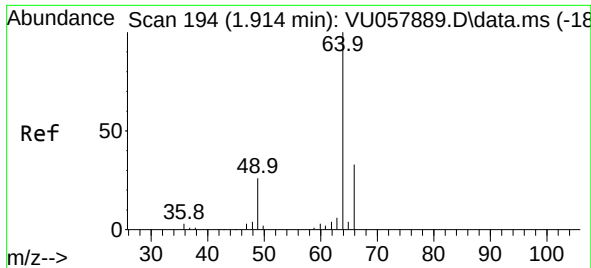
Tgt Ion: 94 Resp: 79202

Ion Ratio Lower Upper

94 100

96 92.5 65.5 121.7





#8

Chloroethane

Concen: 44.137 ug/L

RT: 1.927 min Scan# 19

Delta R.T. 0.013 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

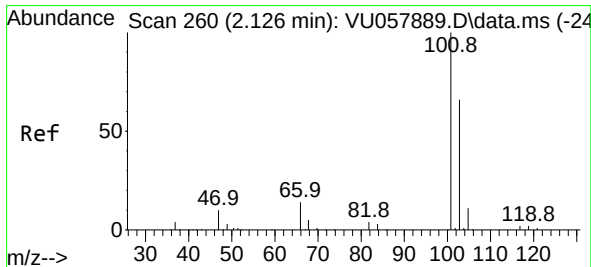
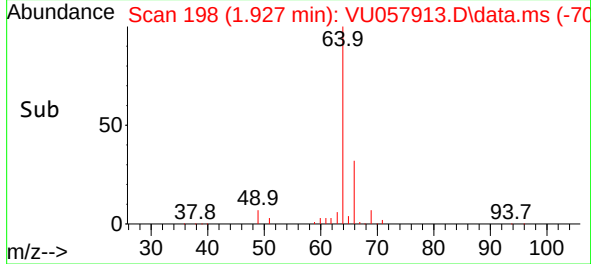
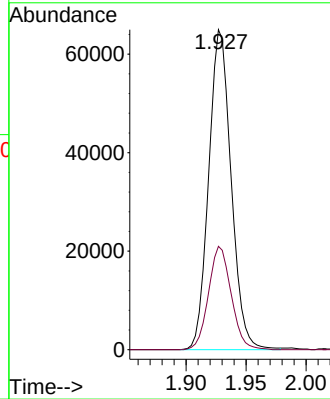
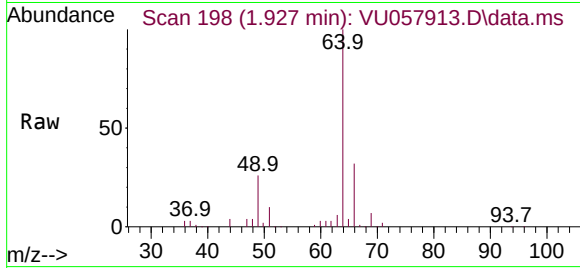
ClientSampleId :

Tgt Ion: 64 Resp: 84627

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 46.401 ug/L

RT: 2.133 min Scan# 262

Delta R.T. 0.007 min

Lab File: VU057913.D

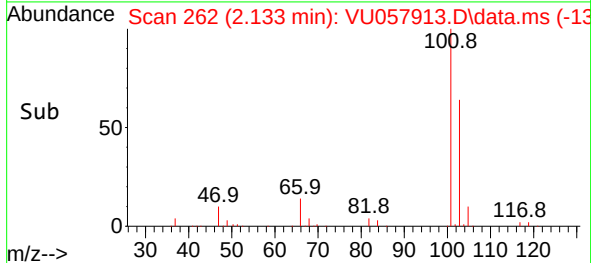
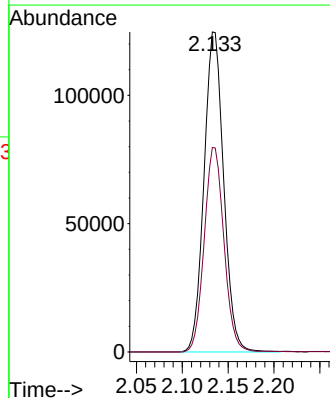
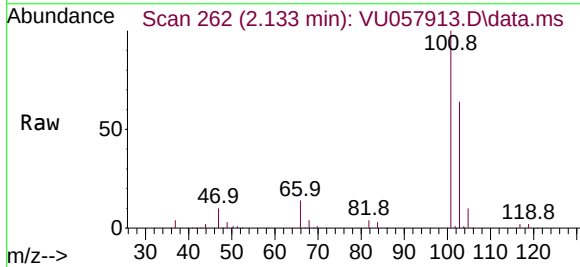
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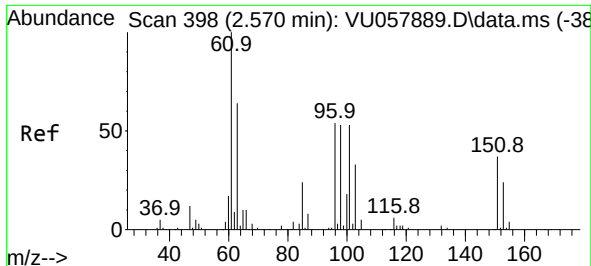
Tgt Ion:101 Resp: 186150

Ion Ratio Lower Upper

101 100

103 64.0 51.7 77.5

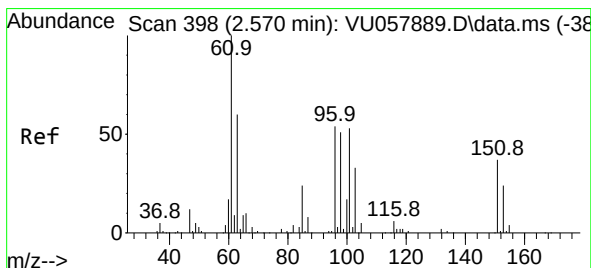
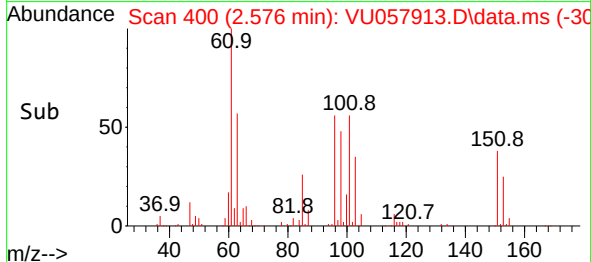
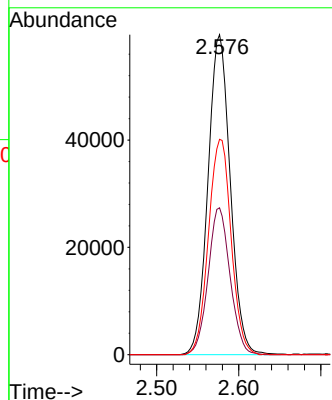
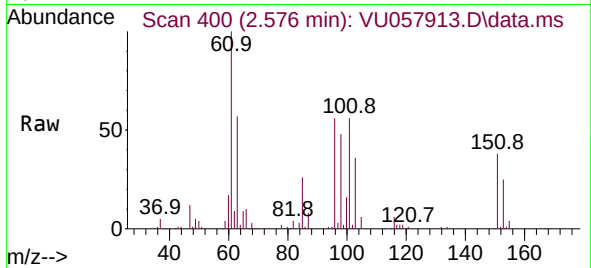




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.228 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.007 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

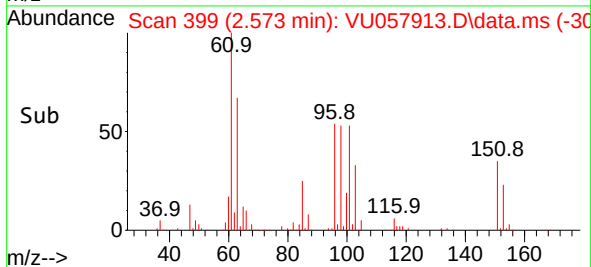
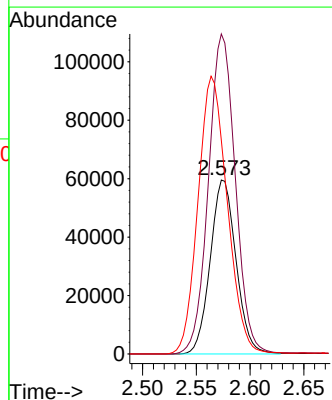
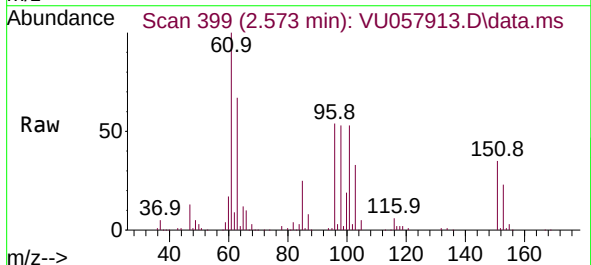
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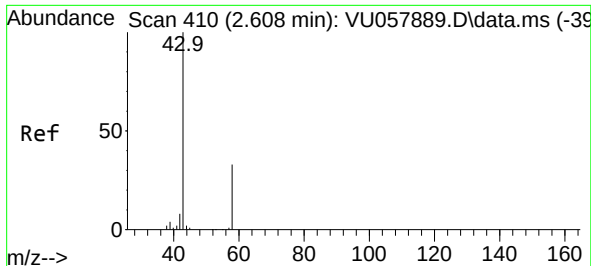
Tgt Ion:101 Resp: 112448
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.7 53.5
 151 68.4 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 46.076 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

Tgt Ion: 96 Resp: 99368
 Ion Ratio Lower Upper
 96 100
 61 184.0 126.8 235.6
 63 122.9 86.5 160.7





#13

Acetone

Concen: 91.894 ug/L

RT: 2.609 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

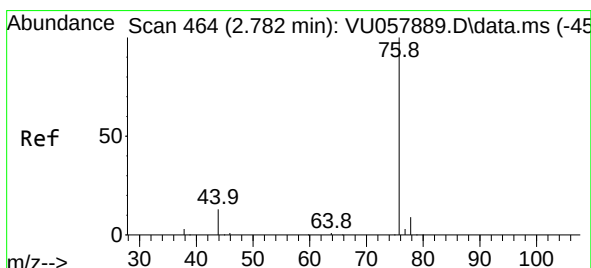
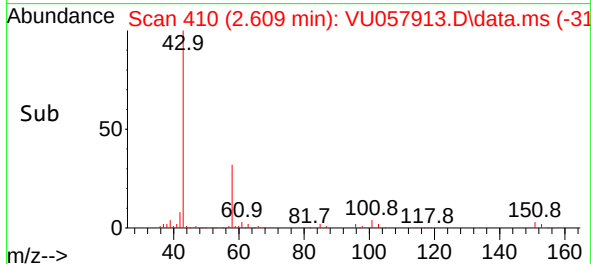
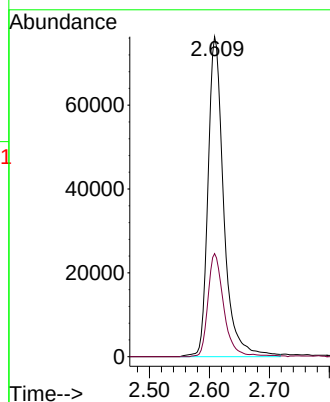
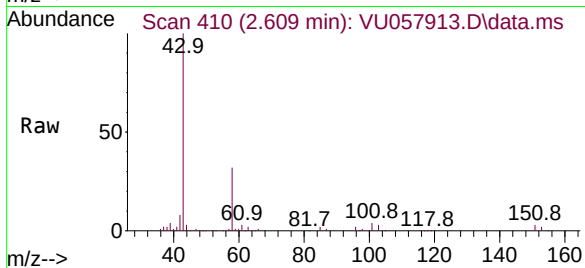
ClientSampleId :

Tgt Ion: 43 Resp: 139404

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.2



#14

Carbon disulfide

Concen: 46.665 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.007 min

Lab File: VU057913.D

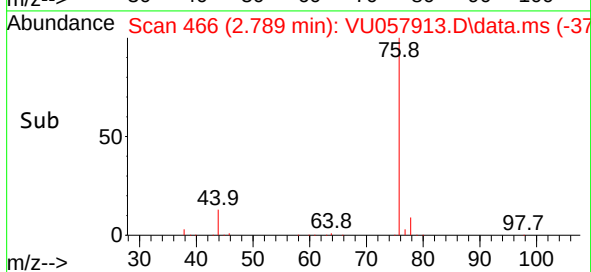
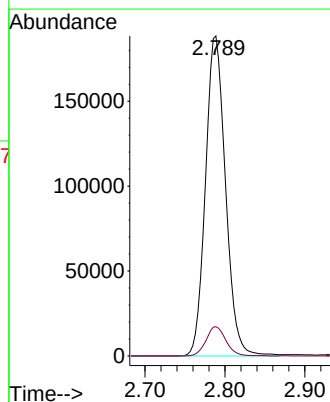
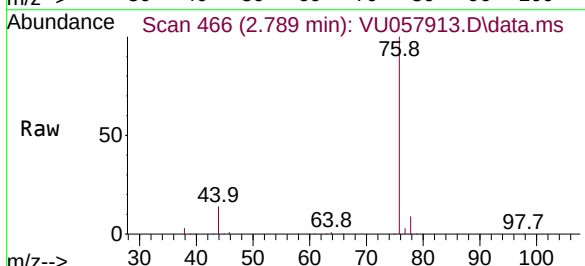
Acq: 21 Feb 2024 09:41

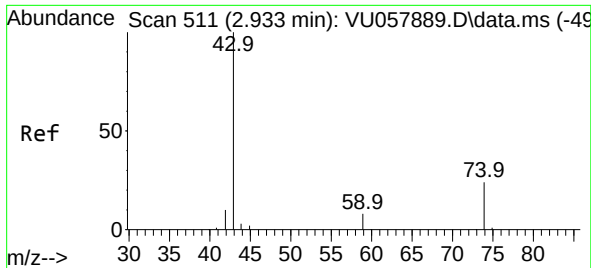
Tgt Ion: 76 Resp: 329348

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

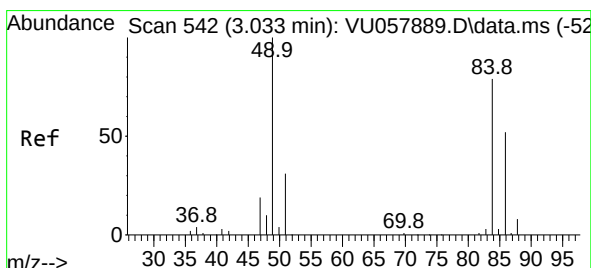
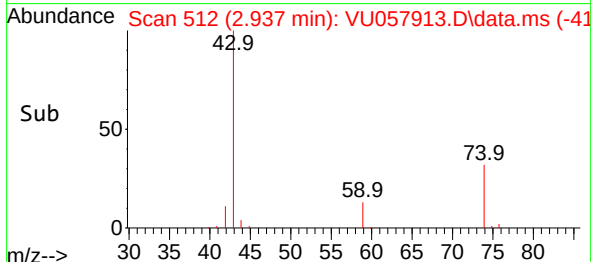
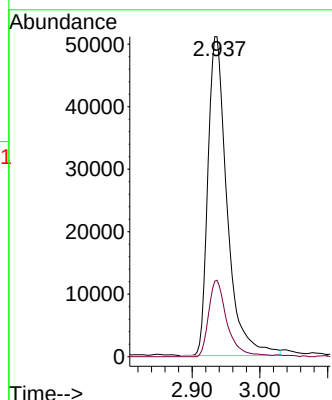
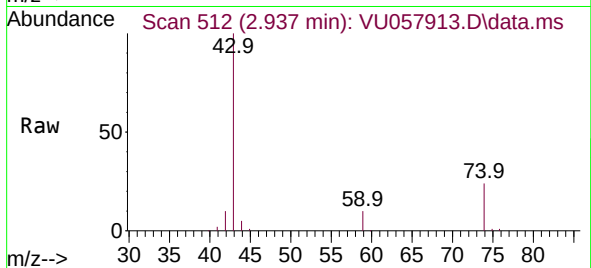




#15
Methyl Acetate
Concen: 40.646 ug/L
RT: 2.937 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

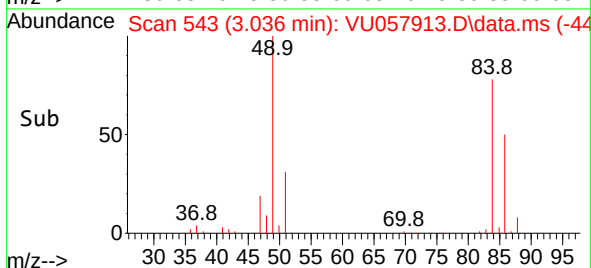
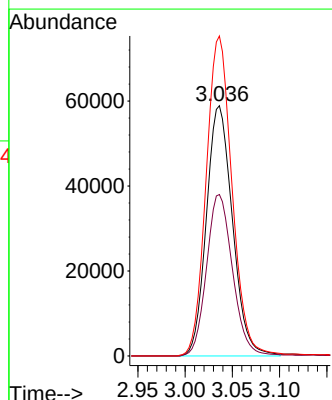
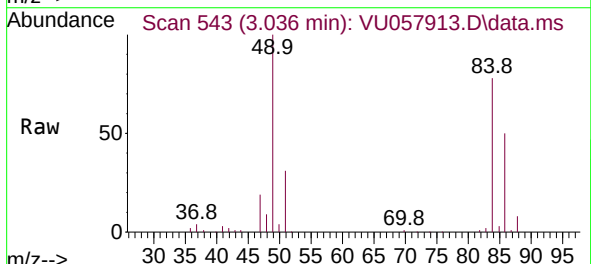
Instrument :
MSVOA_U
ClientSampleId :

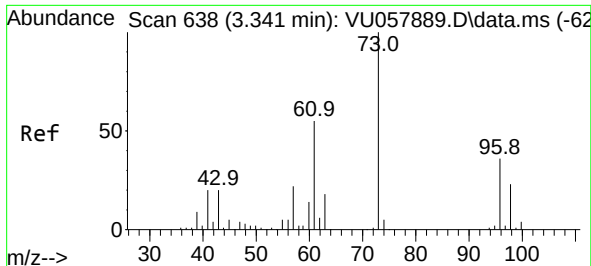
Tgt Ion: 43 Resp: 100384
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 40.282 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 84 Resp: 113228
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 127.9 89.7 166.5

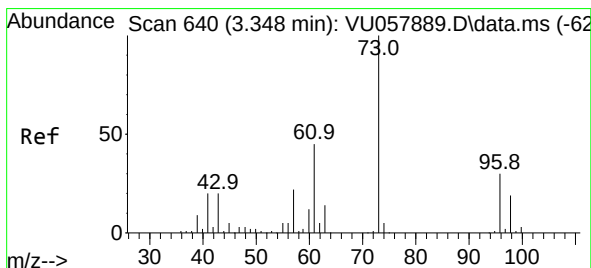
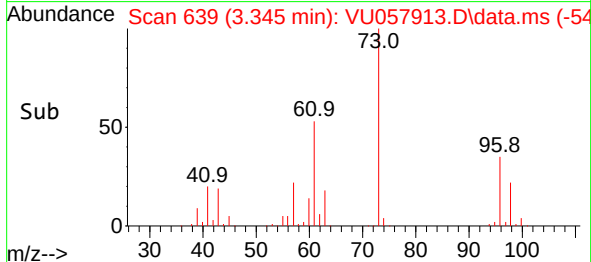
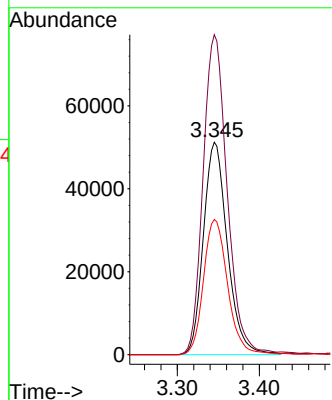
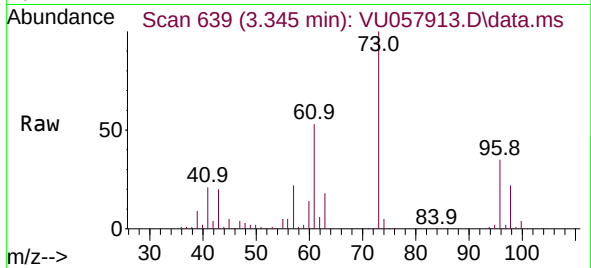




#17
trans-1,2-Dichloroethene
Concen: 46.670 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

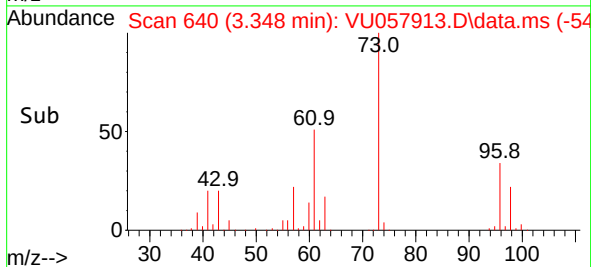
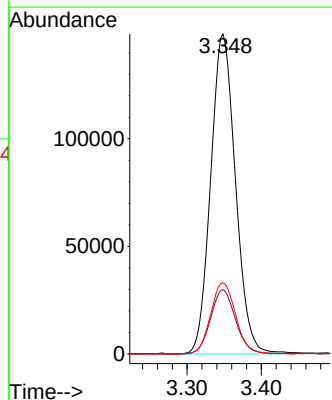
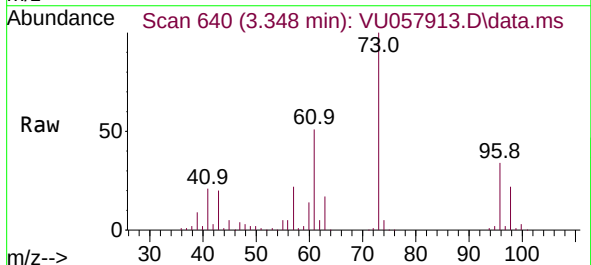
Instrument :
MSVOA_U
ClientSampleId :

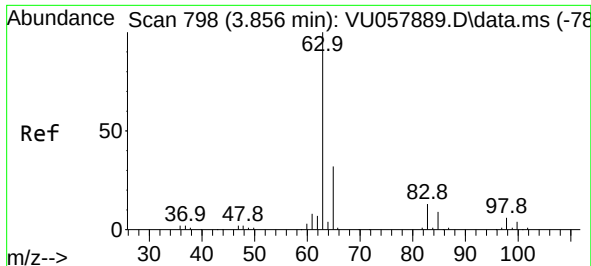
Tgt Ion: 96 Resp: 104419
Ion Ratio Lower Upper
96 100
61 150.6 106.3 197.3
98 63.6 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 44.265 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 73 Resp: 344807
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 22.5 17.8 26.6





#19

1,1-Dichloroethane

Concen: 45.580 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

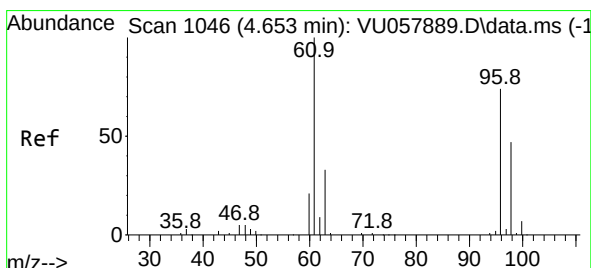
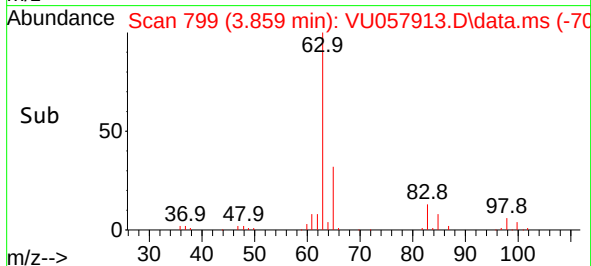
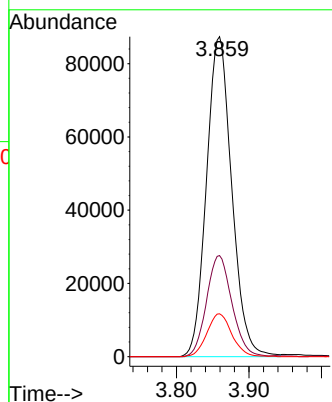
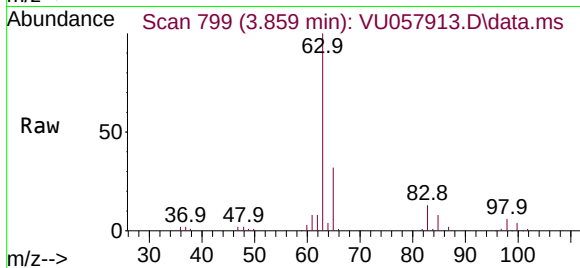
Tgt Ion: 63 Resp: 211431

Ion Ratio Lower Upper

63 100

65 31.6 21.7 40.3

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 45.784 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

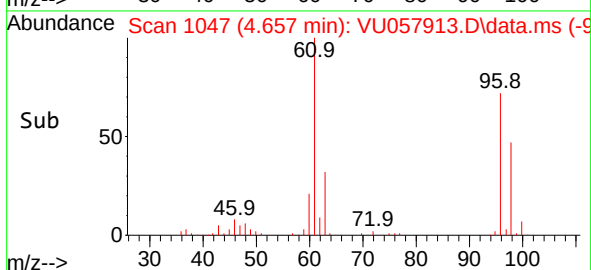
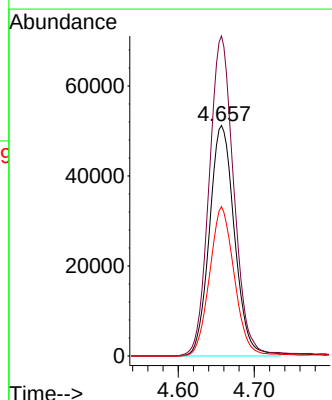
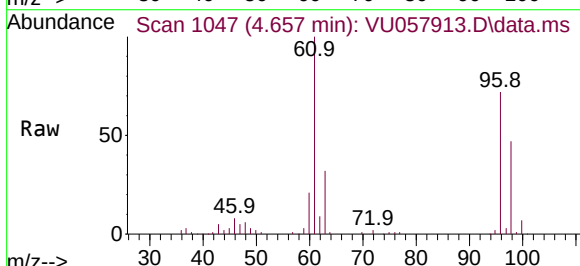
Tgt Ion: 96 Resp: 117513

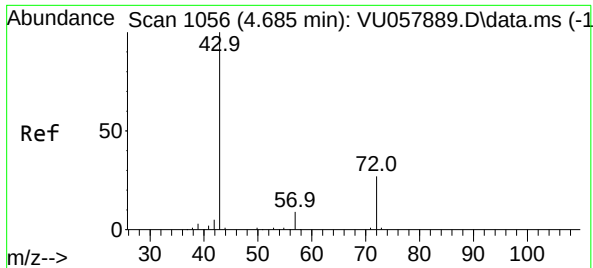
Ion Ratio Lower Upper

96 100

61 138.9 96.7 179.7

98 64.8 44.3 82.3

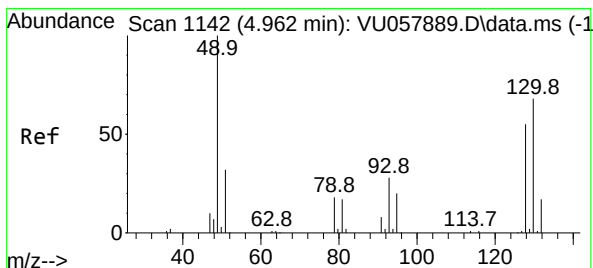
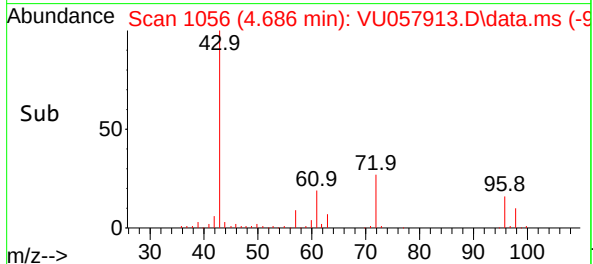
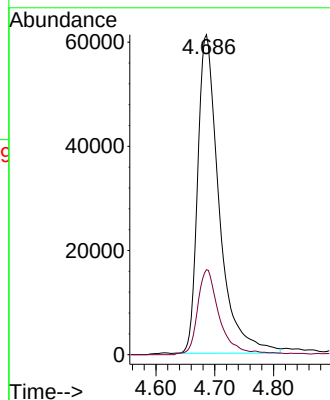
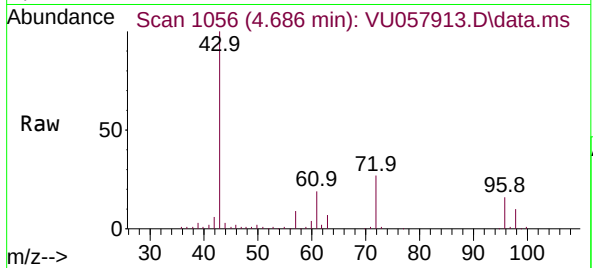




#22
2-Butanone
Concen: 84.250 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

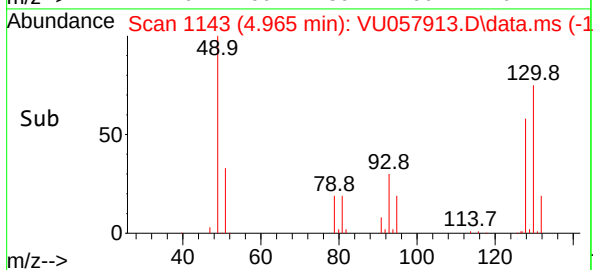
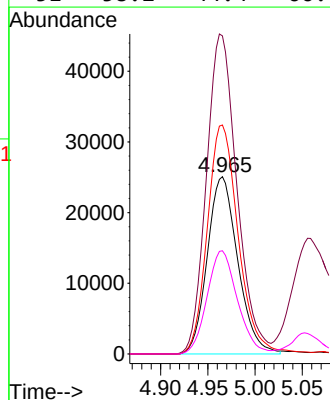
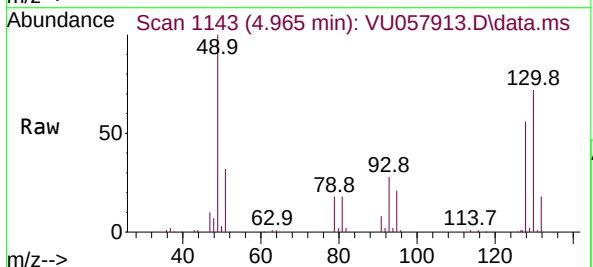
Instrument :
MSVOA_U
ClientSampleId :

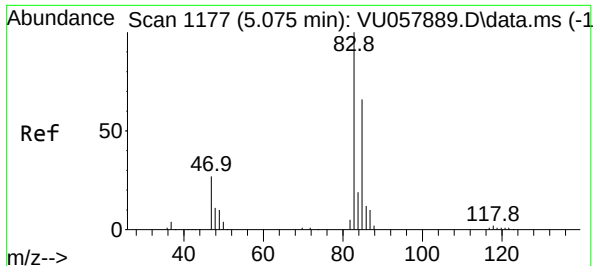
Tgt Ion: 43 Resp: 154843
Ion Ratio Lower Upper
43 100
72 26.4 13.8 41.3



#23
Bromochloromethane
Concen: 45.151 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion:128 Resp: 56306
Ion Ratio Lower Upper
128 100
49 179.4 124.0 230.4
130 129.2 87.8 163.0
51 58.2 44.4 66.6





#25

Chloroform

Concen: 46.026 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

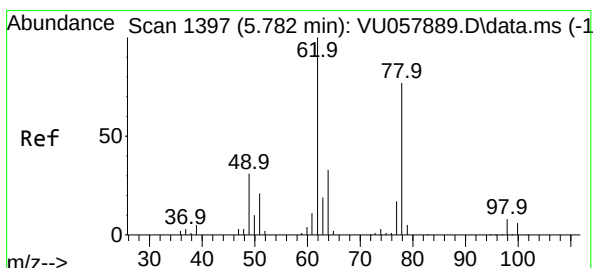
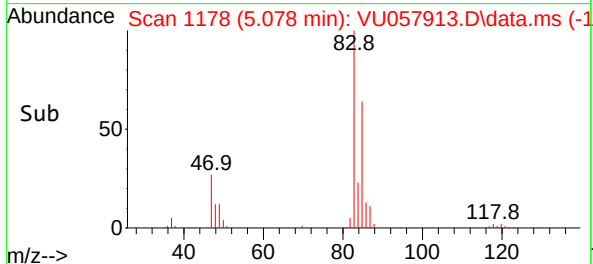
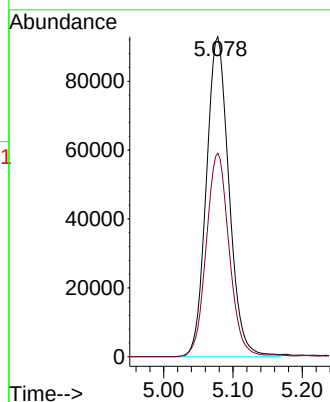
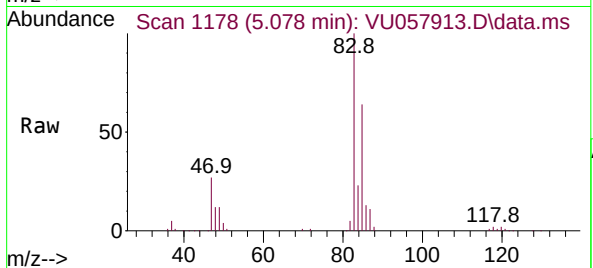
ClientSampleId :

Tgt Ion: 83 Resp: 210803

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 44.125 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU057913.D

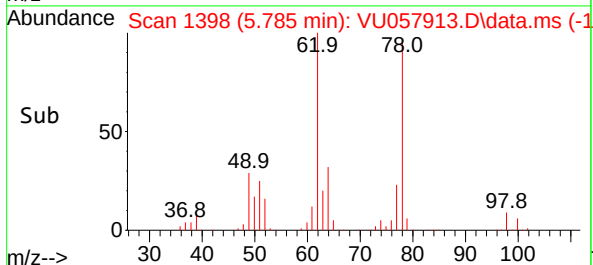
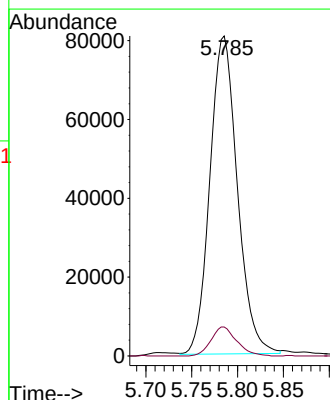
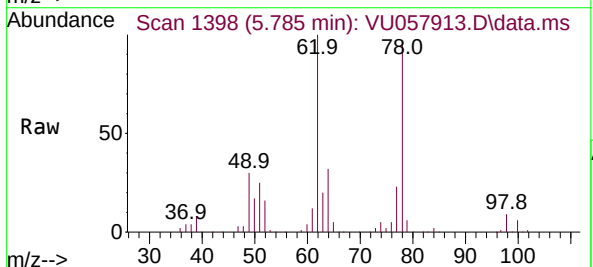
Acq: 21 Feb 2024 09:41

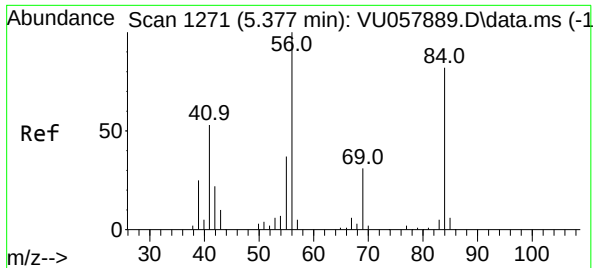
Tgt Ion: 62 Resp: 168159

Ion Ratio Lower Upper

62 100

98 9.1 7.1 10.7





#29

Cyclohexane

Concen: 47.370 ug/L

RT: 5.380 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

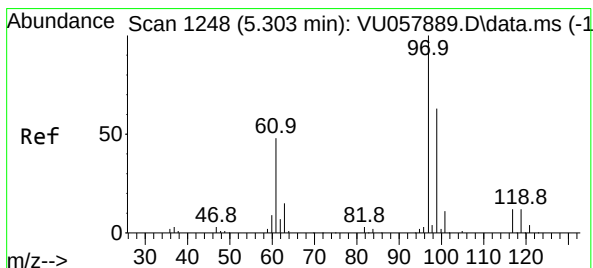
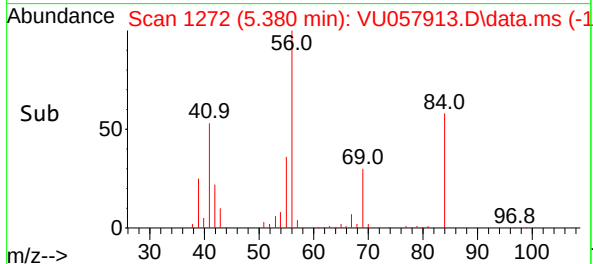
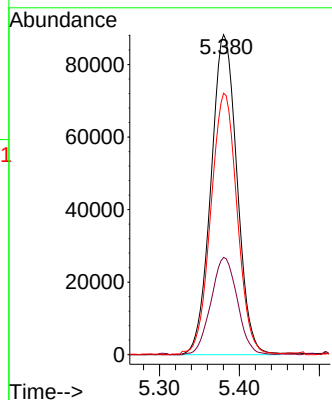
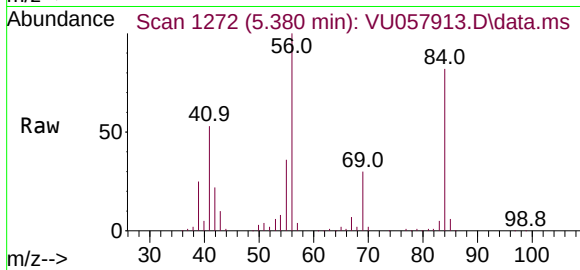
Tgt Ion: 56 Resp: 199592

Ion Ratio Lower Upper

56 100

69 30.8 24.6 36.8

84 82.4 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 46.498 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

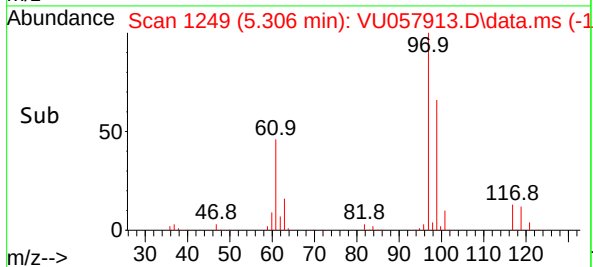
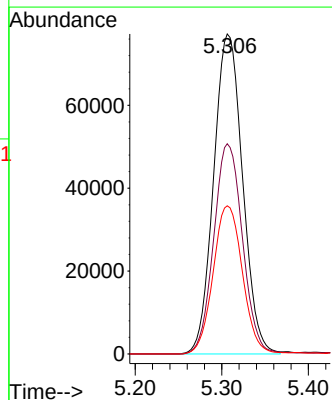
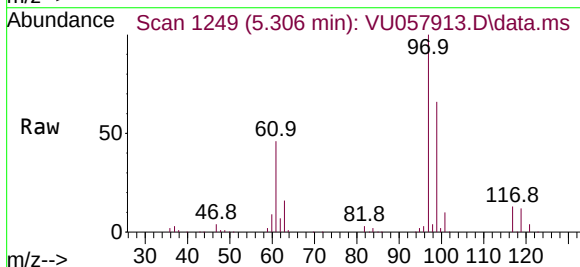
Tgt Ion: 97 Resp: 179388

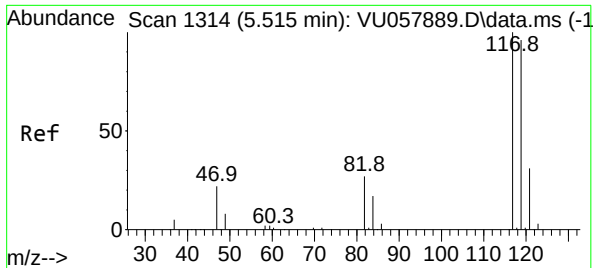
Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 47.0 36.8 55.2

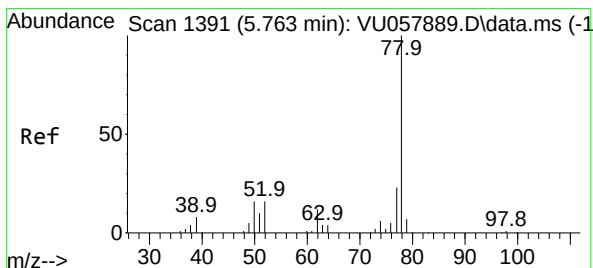
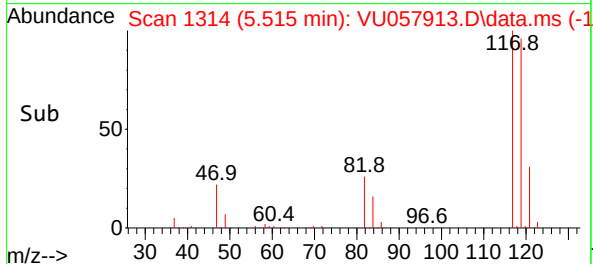
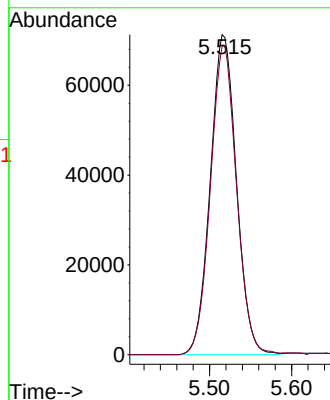
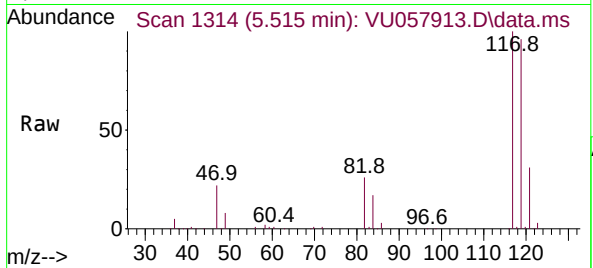




#31
Carbon tetrachloride
Concen: 47.714 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

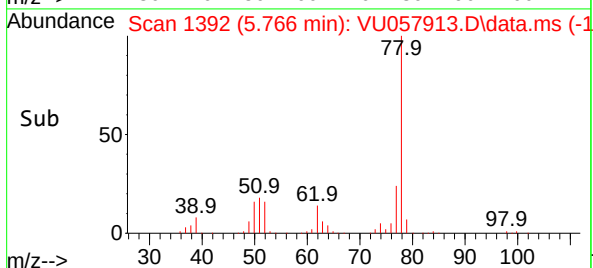
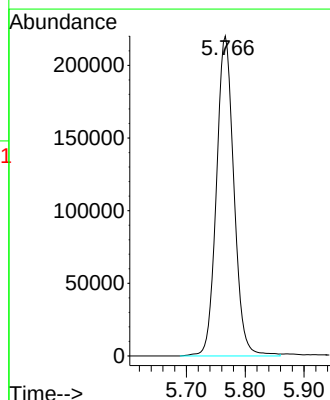
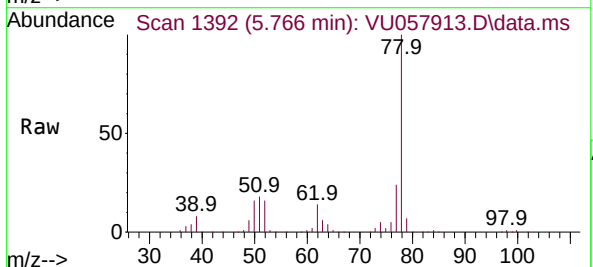
Instrument :
MSVOA_U
ClientSampleId :

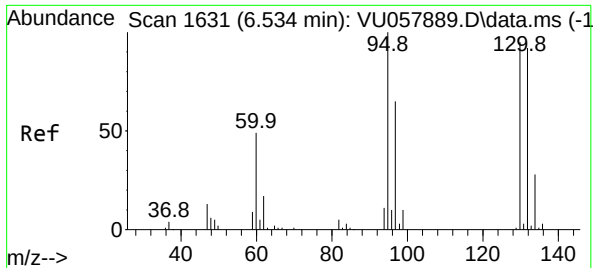
Tgt Ion:117 Resp: 158075
Ion Ratio Lower Upper
117 100
119 96.4 75.9 113.9



#33
Benzene
Concen: 45.568 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 78 Resp: 455008

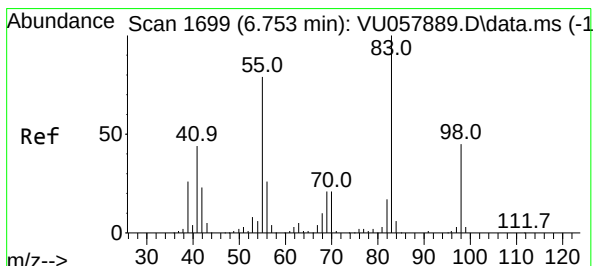
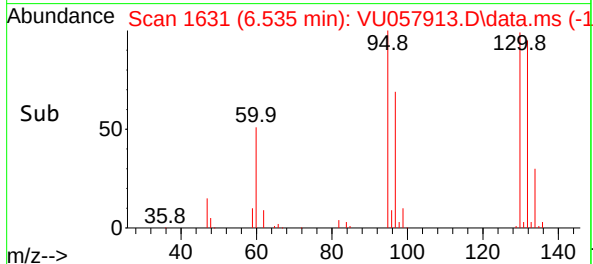
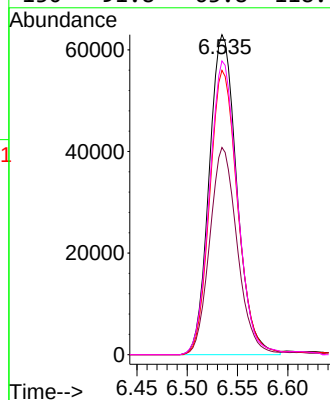
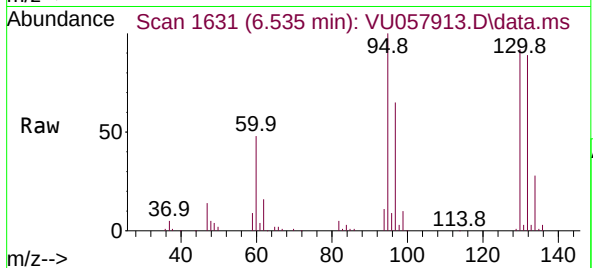




#34
Trichloroethene
Concen: 46.980 ug/L
RT: 6.535 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

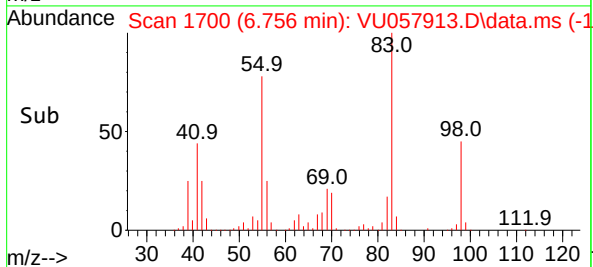
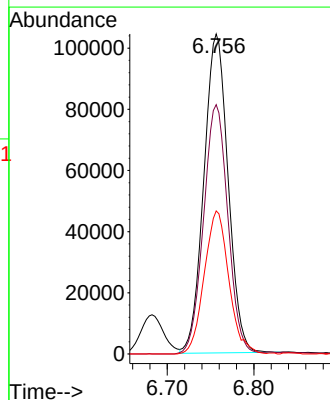
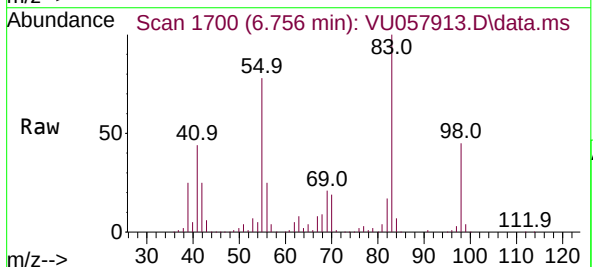
Instrument :
MSVOA_U
ClientSampleId :

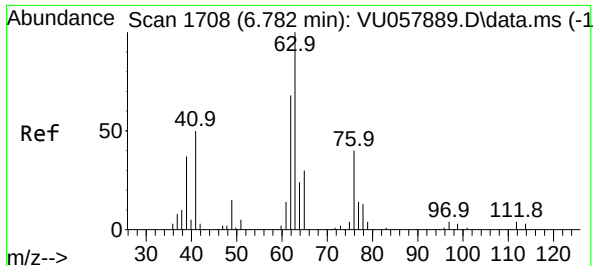
Tgt Ion: 95 Resp: 120587
Ion Ratio Lower Upper
95 100
97 64.8 44.2 82.2
132 88.9 61.4 114.0
130 91.8 63.8 118.4



#35
Methylcyclohexane
Concen: 48.511 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 83 Resp: 202303
Ion Ratio Lower Upper
83 100
55 78.6 62.7 94.1
98 45.6 36.3 54.5





#37

1,2-Dichloropropane

Concen: 45.586 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

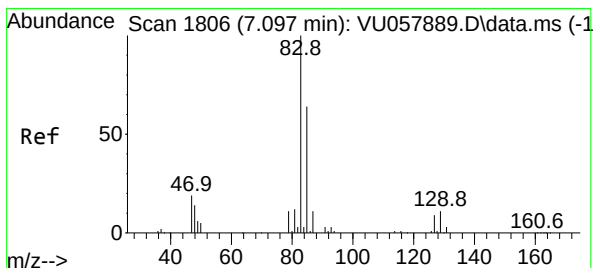
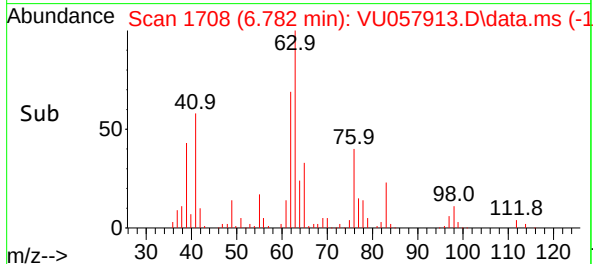
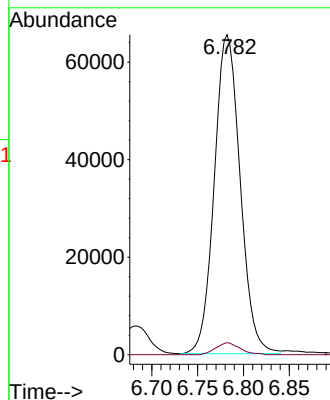
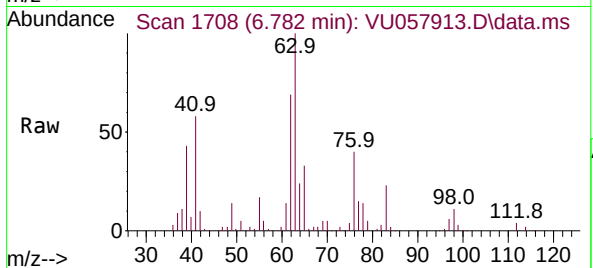
ClientSampleId :

Tgt Ion: 63 Resp: 128440

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#38

Bromodichloromethane

Concen: 46.683 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

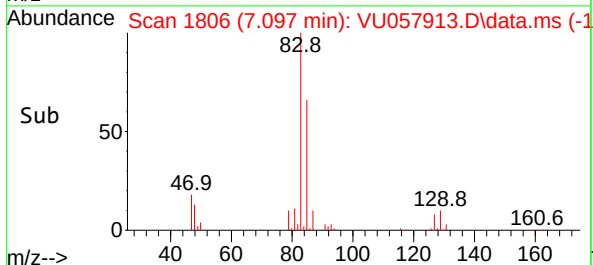
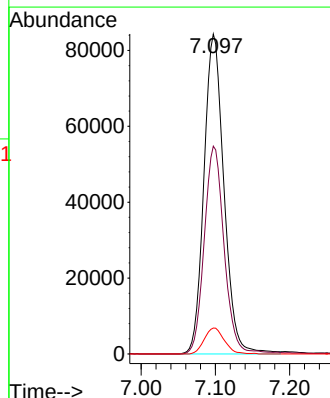
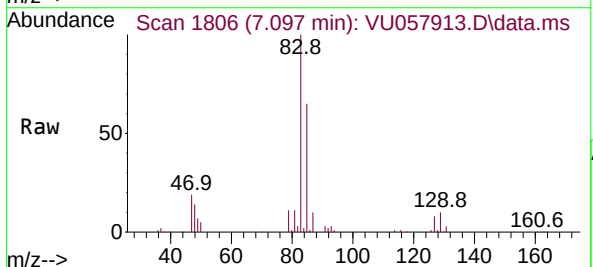
Tgt Ion: 83 Resp: 157947

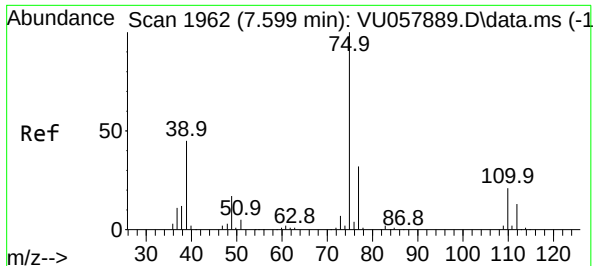
Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.4

127 8.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 47.191 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

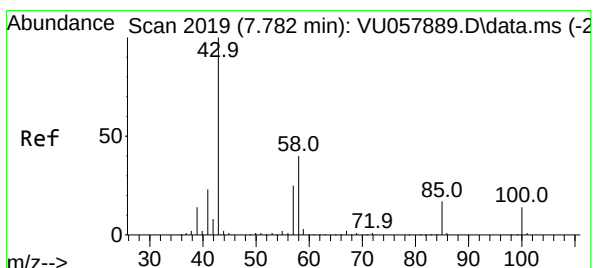
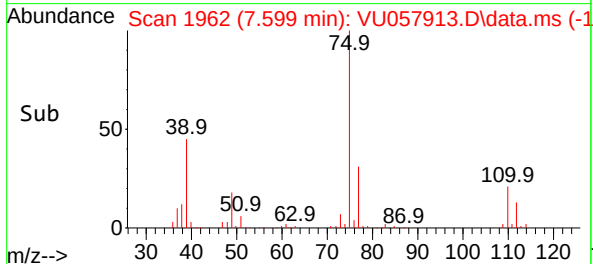
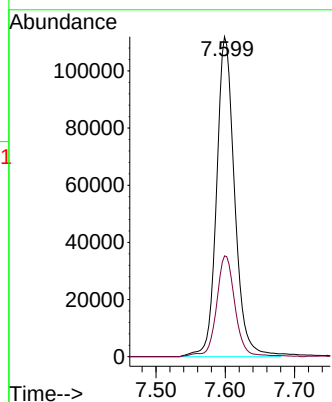
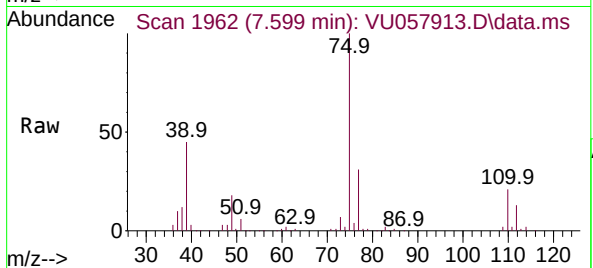
ClientSampleId :

Tgt Ion: 75 Resp: 203193

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 78.038 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

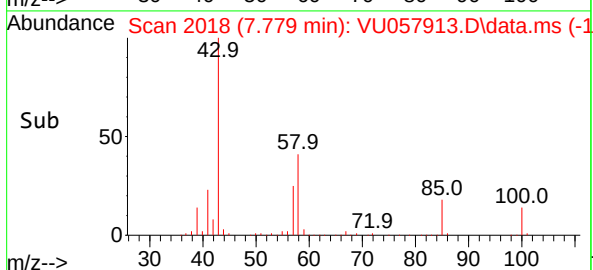
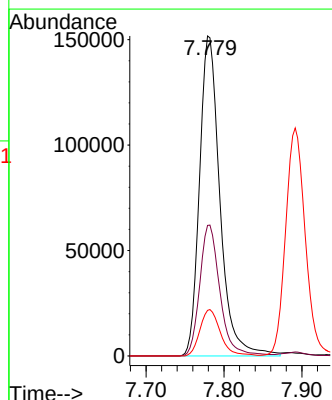
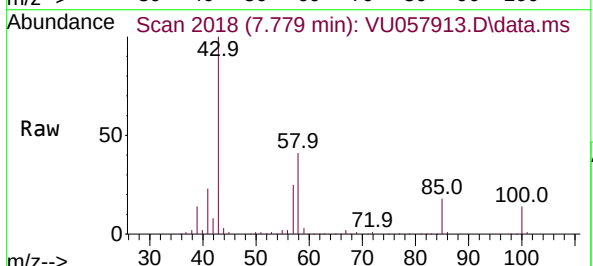
Tgt Ion: 43 Resp: 276775

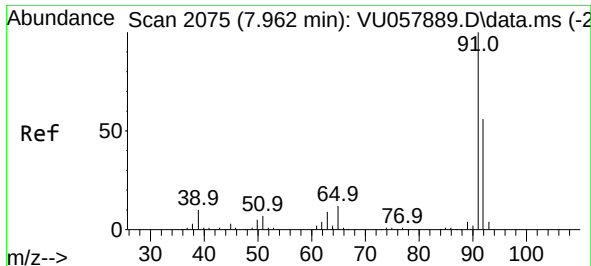
Ion Ratio Lower Upper

43 100

58 40.5 32.3 48.5

100 14.6 11.4 17.0





#42

Toluene

Concen: 46.839 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

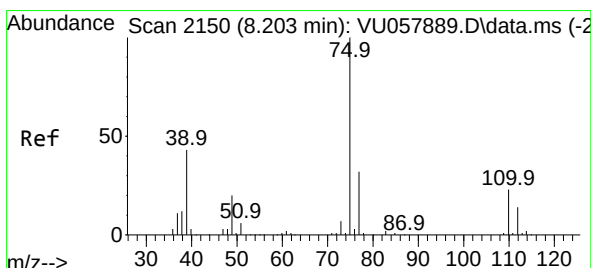
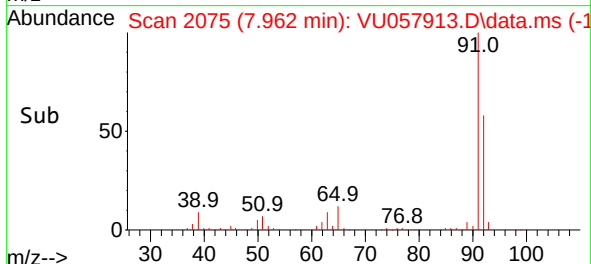
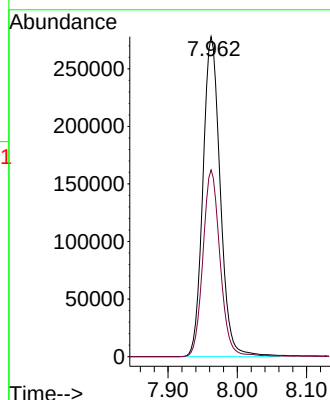
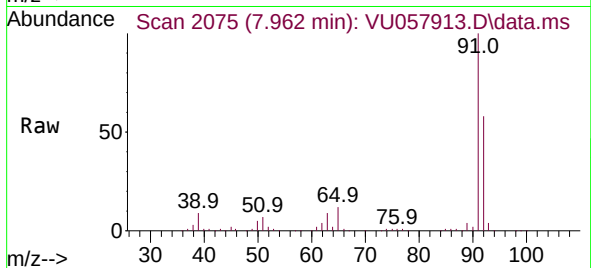
ClientSampleId :

Tgt Ion: 91 Resp: 484040

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 46.732 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057913.D

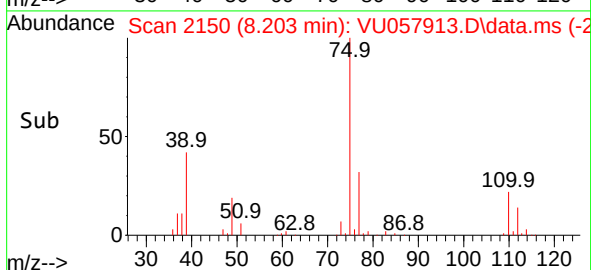
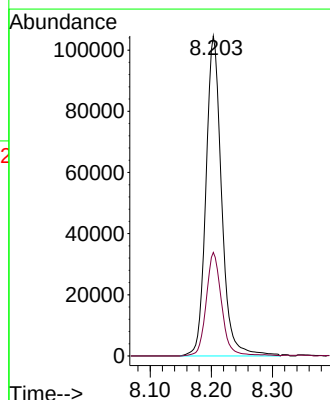
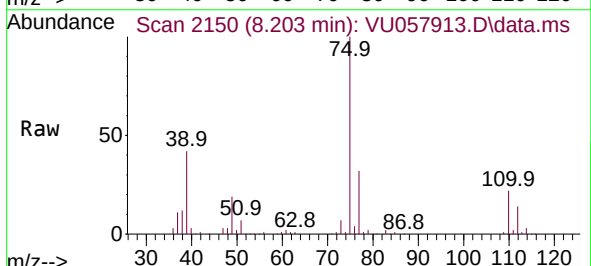
Acq: 21 Feb 2024 09:41

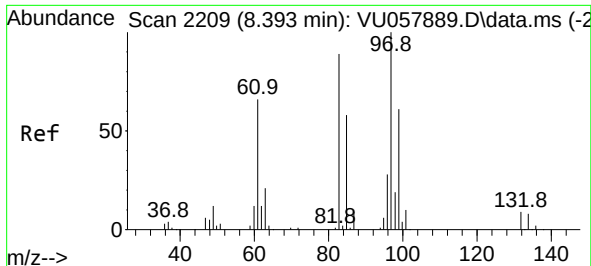
Tgt Ion: 75 Resp: 186731

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4



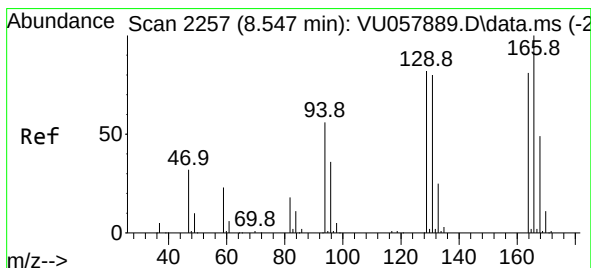
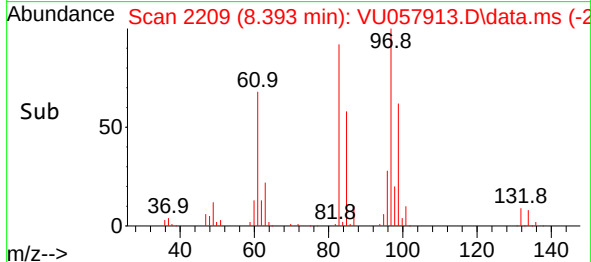
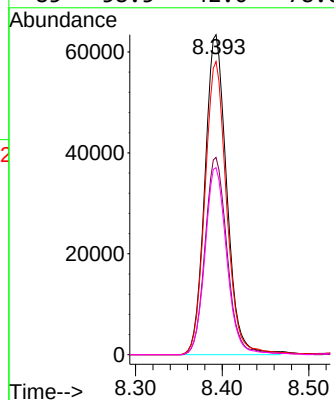
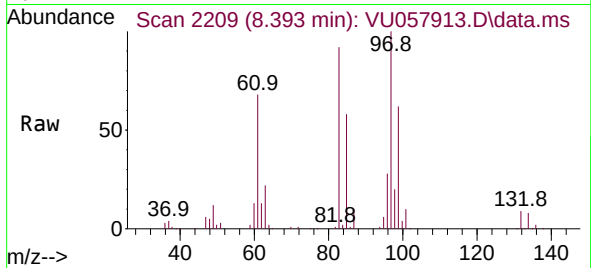


#45
1,1,2-Trichloroethane
Concen: 44.298 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 110899

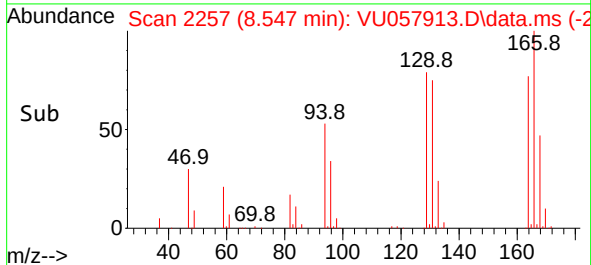
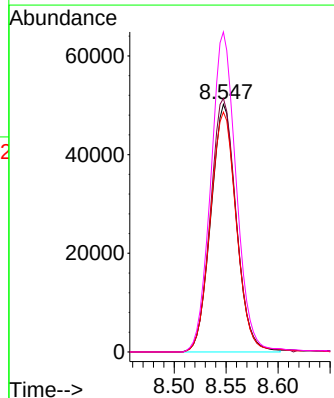
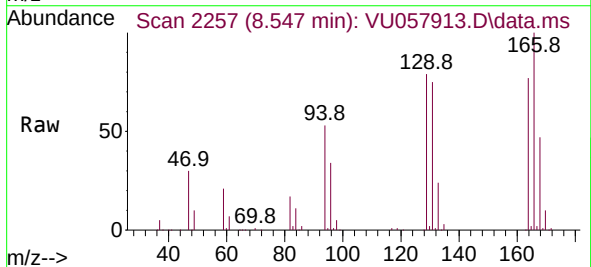
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.0	80.0
83	91.6	65.0	120.6
85	58.5	42.0	78.0

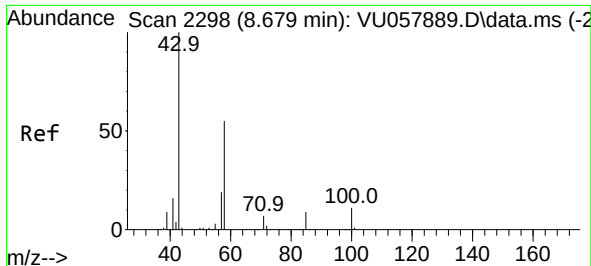


#46
Tetrachloroethene
Concen: 48.348 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 164 Resp: 85404

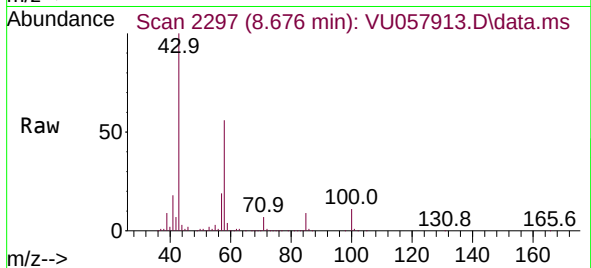
Ion	Ratio	Lower	Upper
164	100		
129	102.4	74.1	137.7
131	96.8	72.0	133.6
166	129.2	91.6	170.0



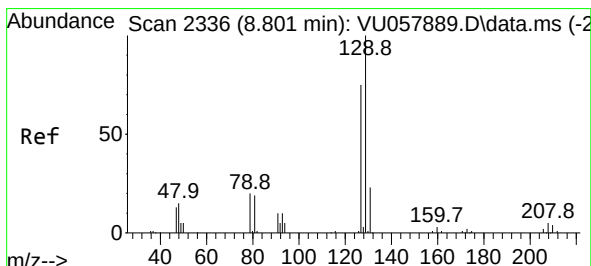
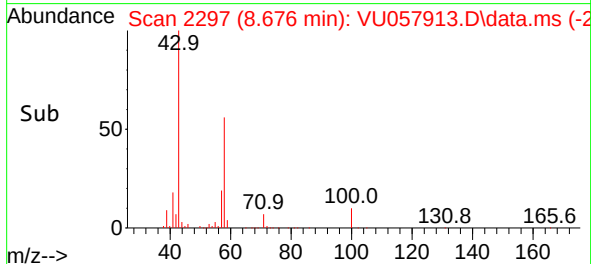
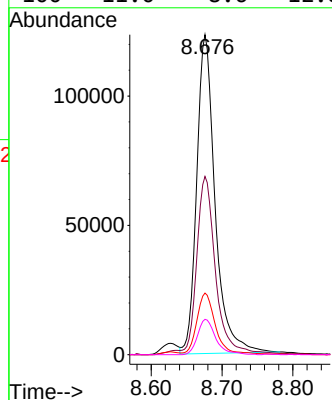


#48
2-Hexanone
Concen: 76.768 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Instrument :
MSVOA_U
ClientSampleId :

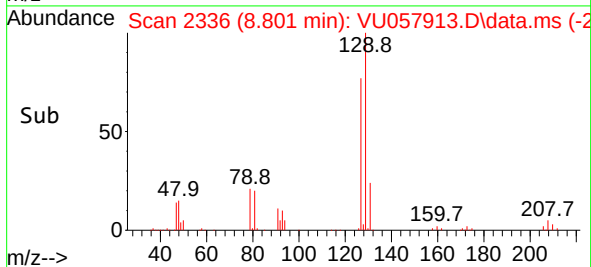
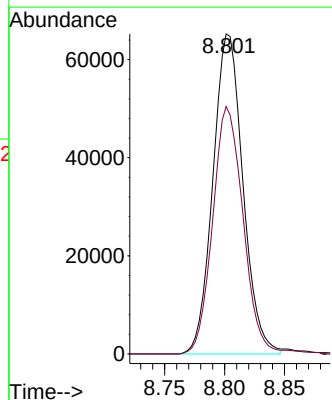
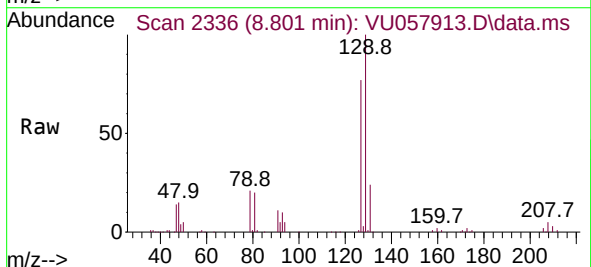


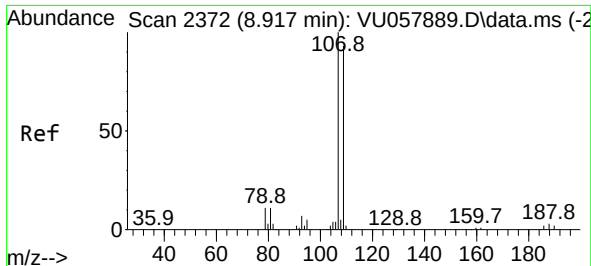
Tgt Ion: 43 Resp: 222234
Ion Ratio Lower Upper
43 100
58 56.5 43.8 65.8
57 19.8 15.5 23.3
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 45.561 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion: 129 Resp: 113592
Ion Ratio Lower Upper
129 100
127 77.3 53.3 99.1

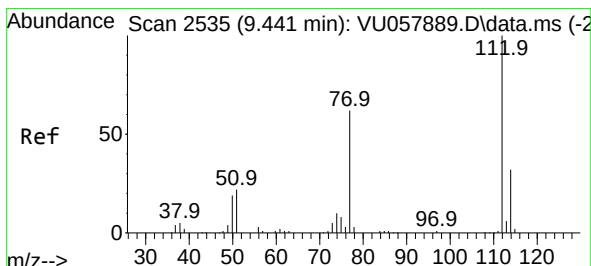
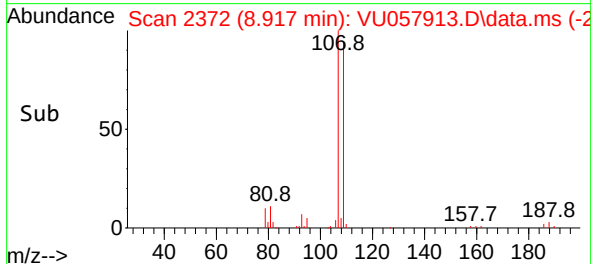
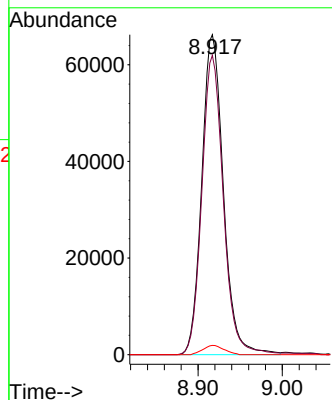
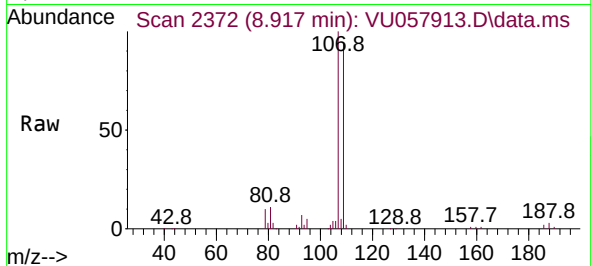




#50
1,2-Dibromoethane
Concen: 44.933 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

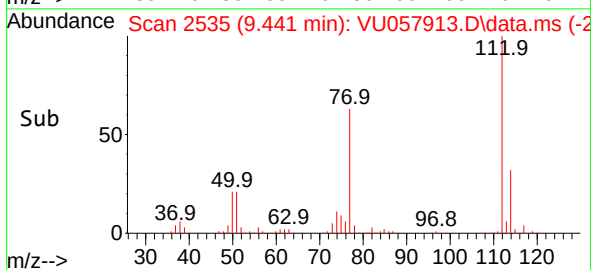
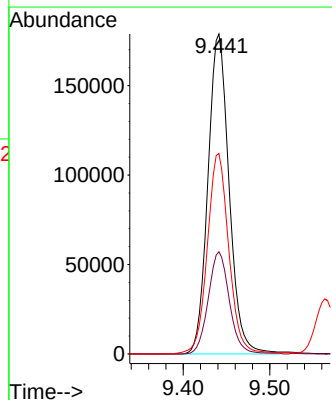
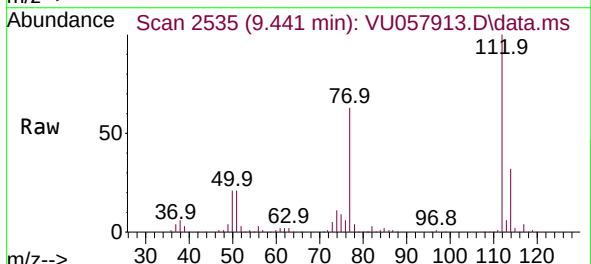
Instrument :
MSVOA_U
ClientSampleId :

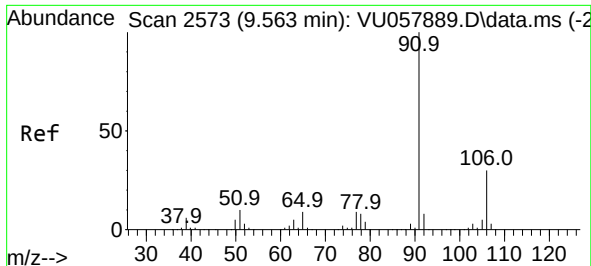
Tgt Ion:107 Resp: 118442
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.8
188 2.9 2.6 3.8



#51
Chlorobenzene
Concen: 46.293 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion:112 Resp: 304212
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 62.7 51.8 77.8

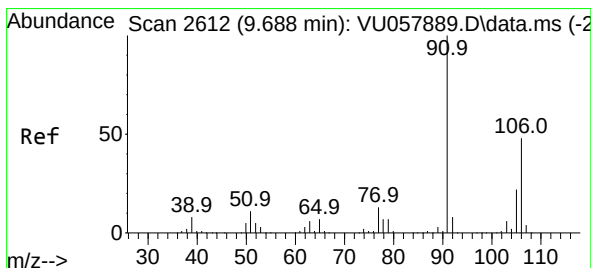
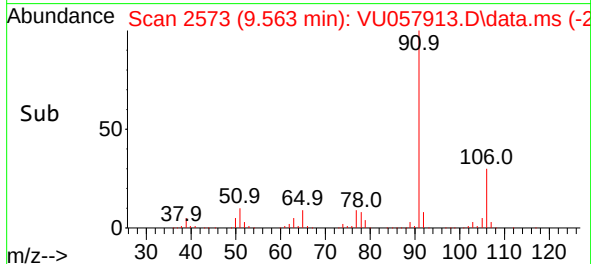
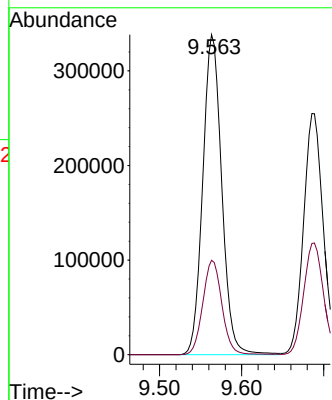
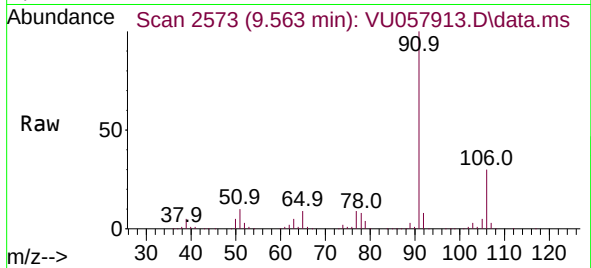




#52
Ethylbenzene
Concen: 46.962 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

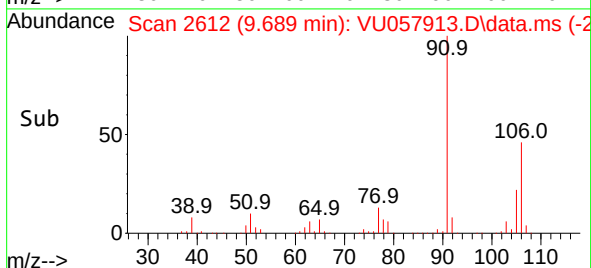
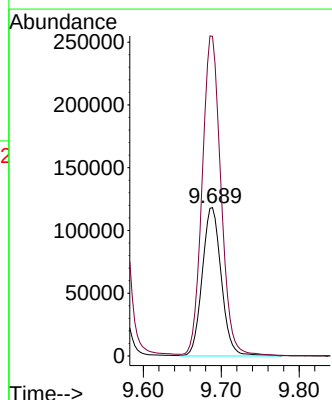
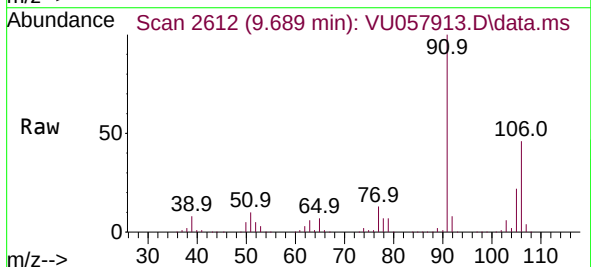
Instrument :
MSVOA_U
ClientSampleId :

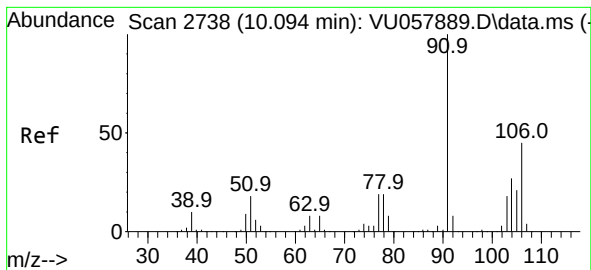
Tgt Ion: 91 Resp: 544175
Ion Ratio Lower Upper
91 100
106 29.5 21.1 39.1



#53
m,p-Xylene
Concen: 47.652 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion:106 Resp: 200809
Ion Ratio Lower Upper
106 100
91 215.6 150.2 279.0





#54

o-Xylene

Concen: 46.838 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

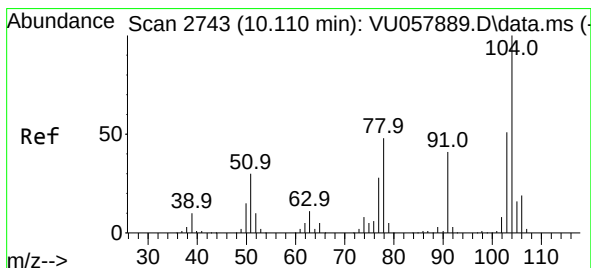
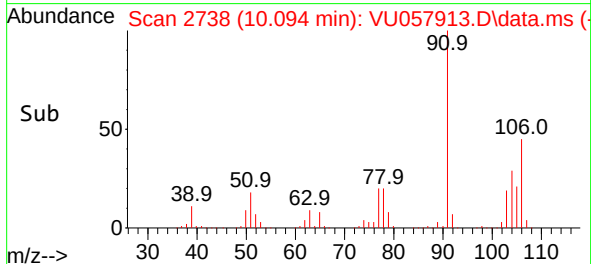
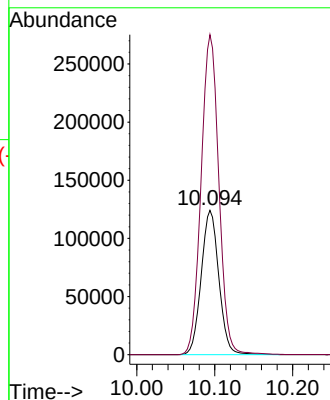
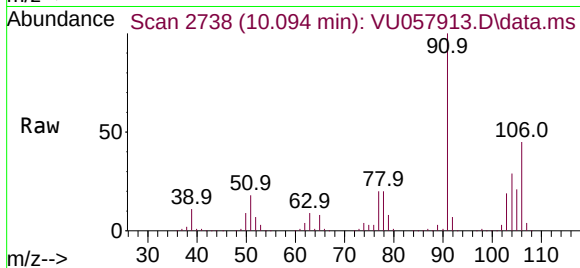
ClientSampleId :

Tgt Ion:106 Resp: 195017

Ion Ratio Lower Upper

106 100

91 221.7 161.3 299.5



#55

Styrene

Concen: 46.103 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU057913.D

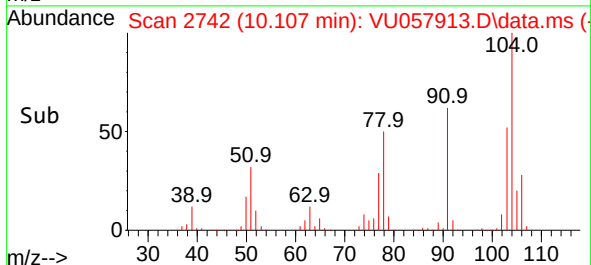
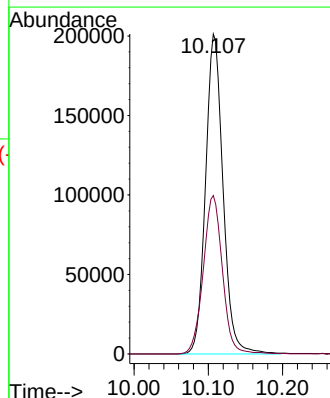
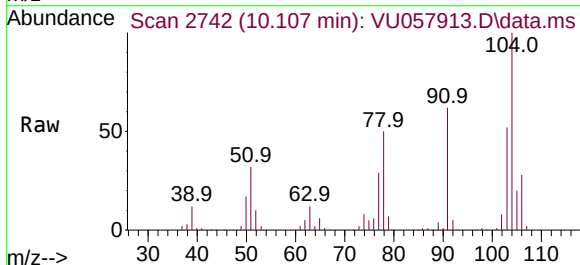
Acq: 21 Feb 2024 09:41

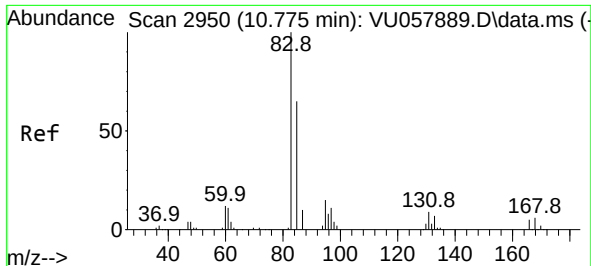
Tgt Ion:104 Resp: 329177

Ion Ratio Lower Upper

104 100

78 49.5 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 39.702 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

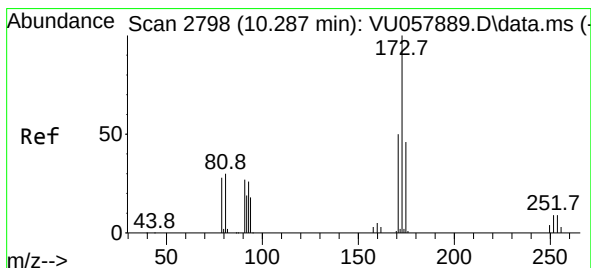
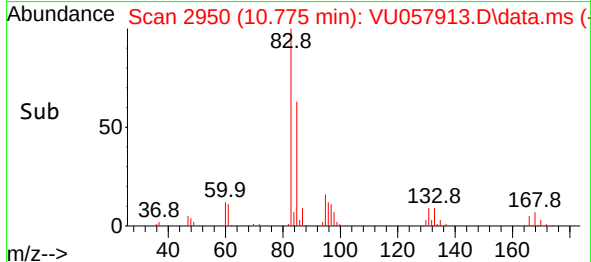
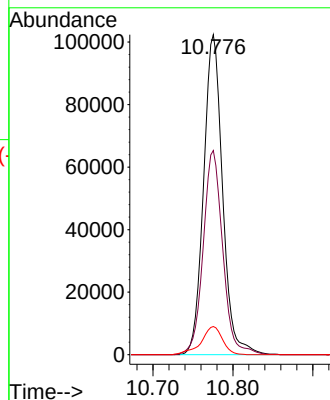
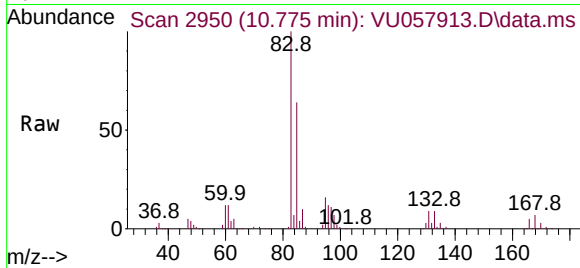
Tgt Ion: 83 Resp: 169317

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

131 8.8 7.8 11.6



#59

Bromoform

Concen: 46.019 ug/L

RT: 10.284 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

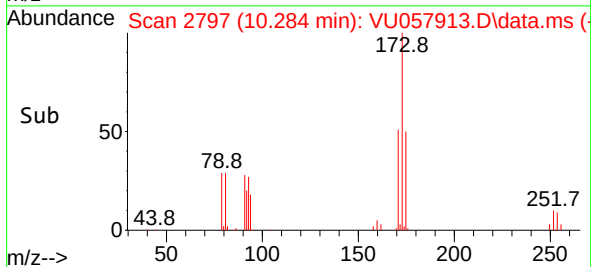
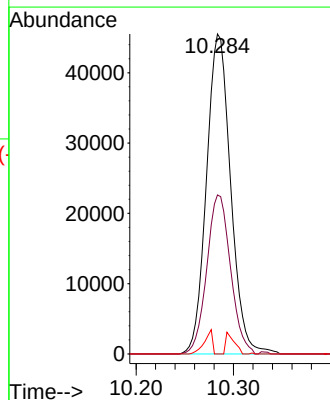
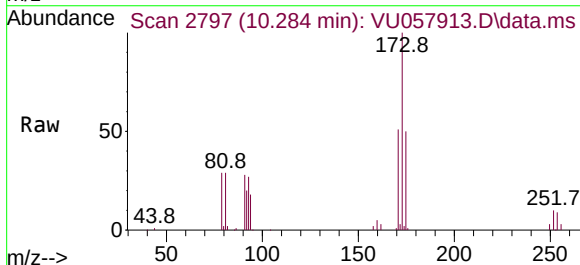
Tgt Ion:173 Resp: 78494

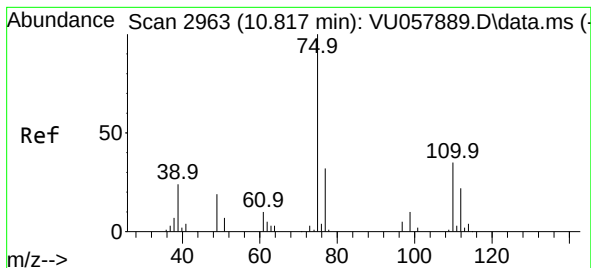
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 2.5 1.0 1.6#





#60

1,2,3-Trichloropropane

Concen: 41.110 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

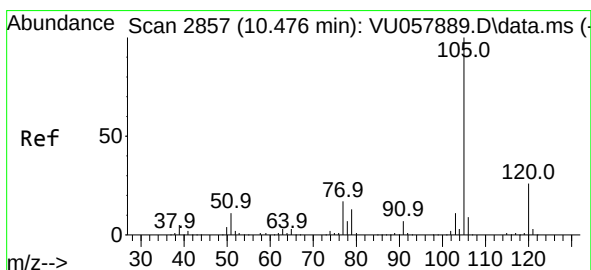
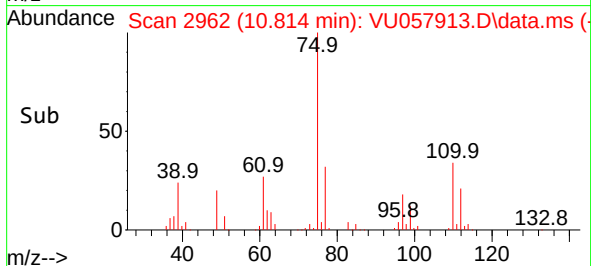
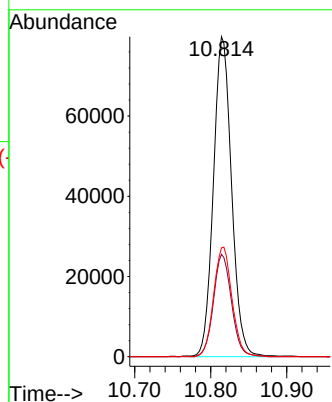
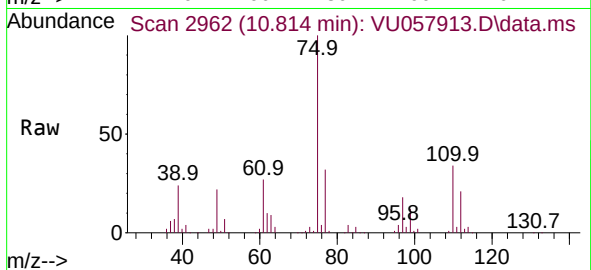
Tgt Ion: 75 Resp: 132342

Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9

110 34.7 28.3 42.5



#61

Isopropylbenzene

Concen: 48.728 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

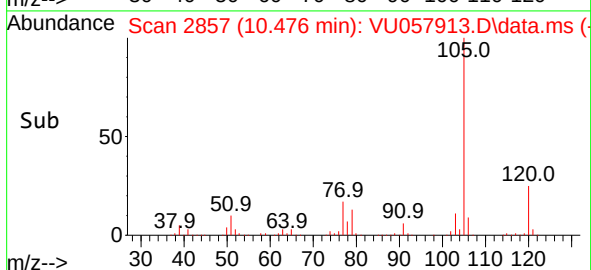
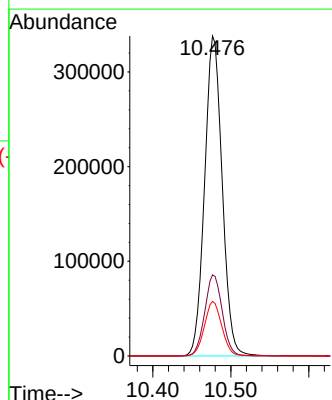
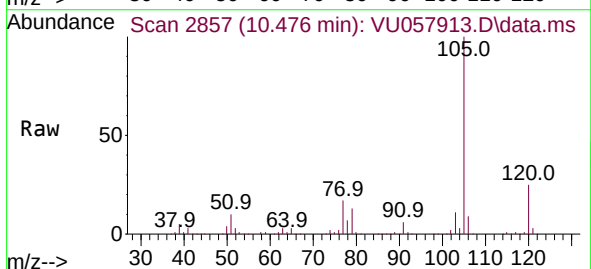
Tgt Ion: 105 Resp: 529138

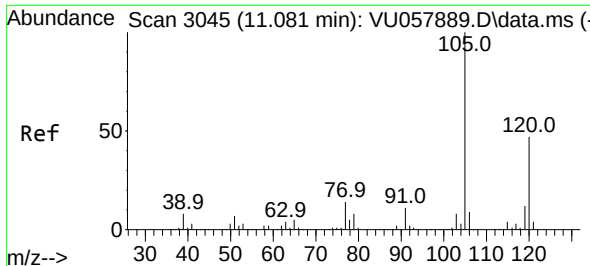
Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

77 16.9 13.5 20.3

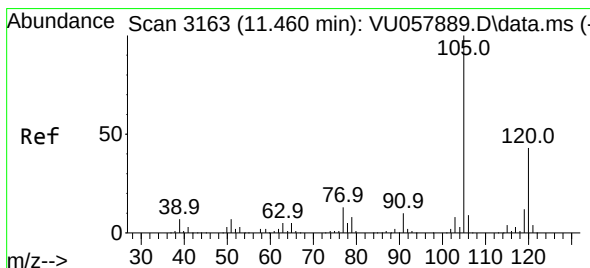
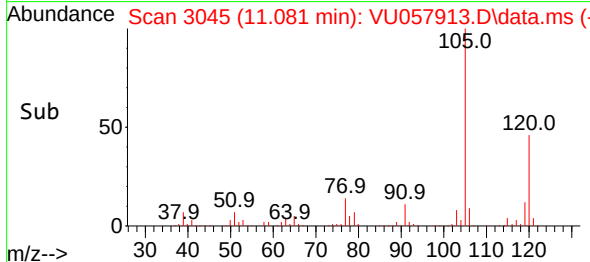
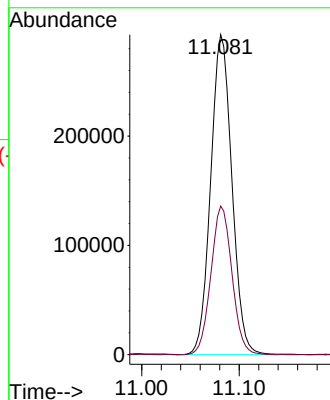
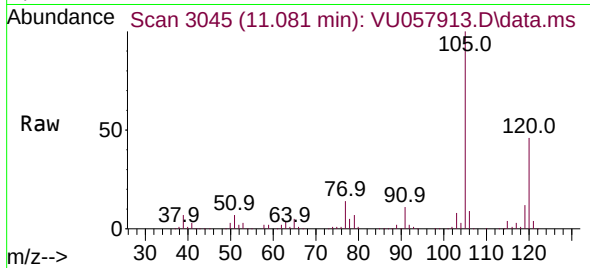




#62
 1,3,5-Trimethylbenzene
 Concen: 47.318 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

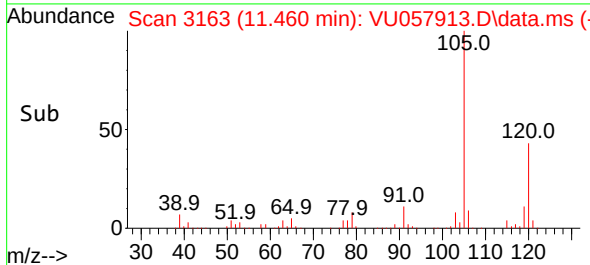
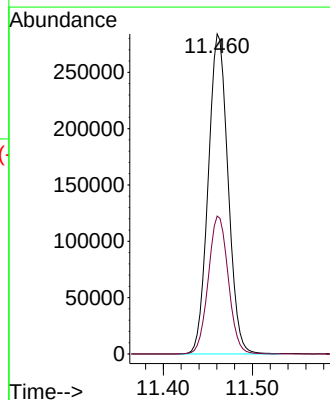
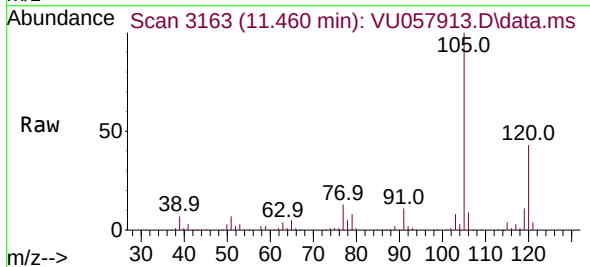
Instrument :
 MSVOA_U
 ClientSampleId :

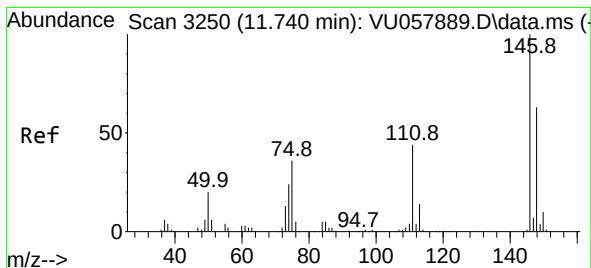
Tgt Ion:105 Resp: 442691
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.0 55.6



#63
 1,2,4-Trimethylbenzene
 Concen: 46.618 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

Tgt Ion:105 Resp: 438245
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 46.180 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

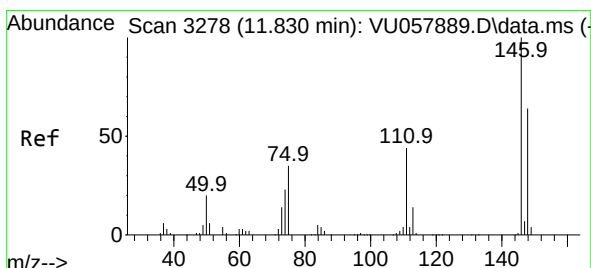
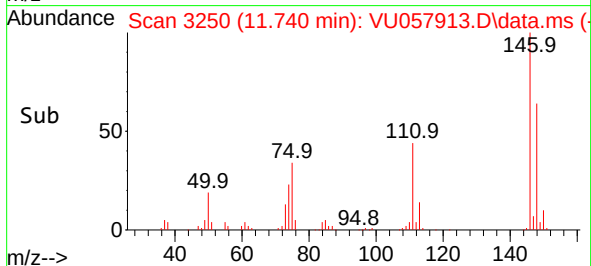
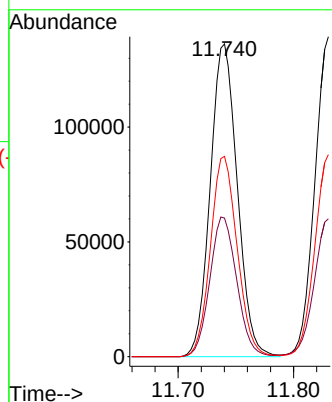
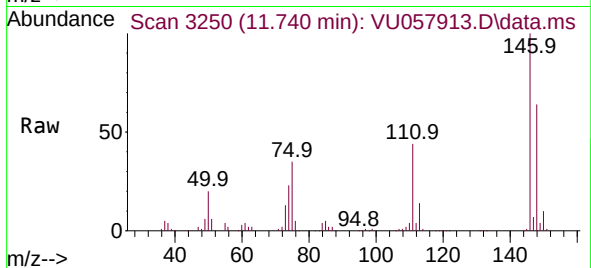
Tgt Ion:146 Resp: 221726

Ion Ratio Lower Upper

146 100

111 44.3 31.6 58.6

148 64.0 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 45.785 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

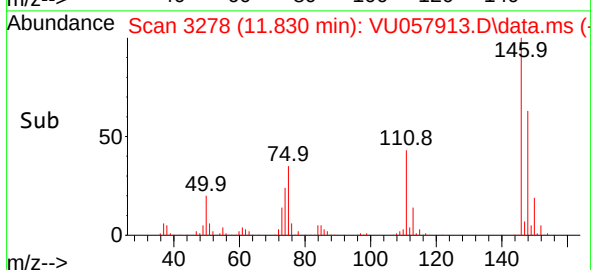
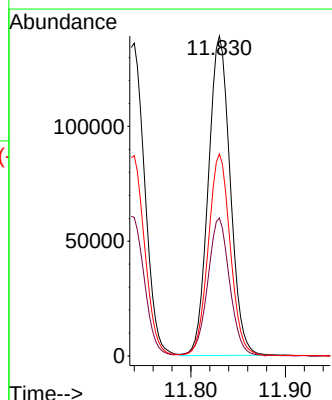
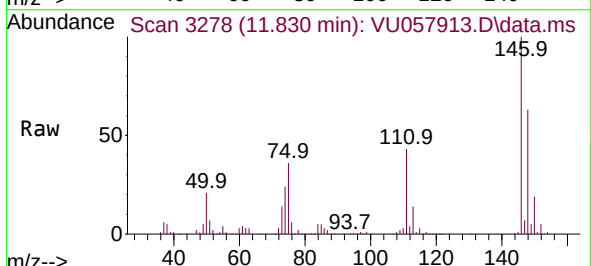
Tgt Ion:146 Resp: 223939

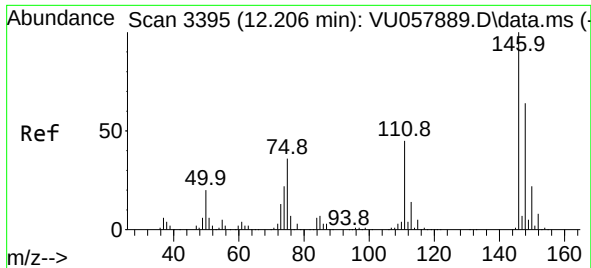
Ion Ratio Lower Upper

146 100

111 43.1 29.9 55.5

148 63.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.043 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

Instrument :

MSVOA_U

ClientSampleId :

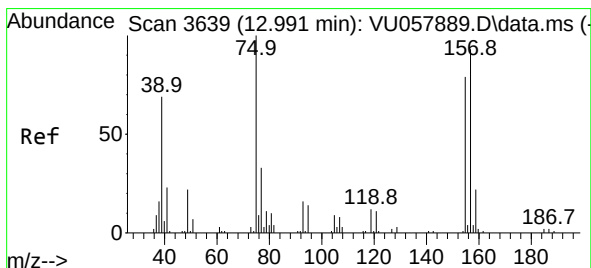
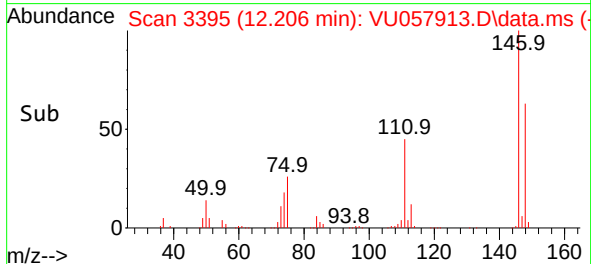
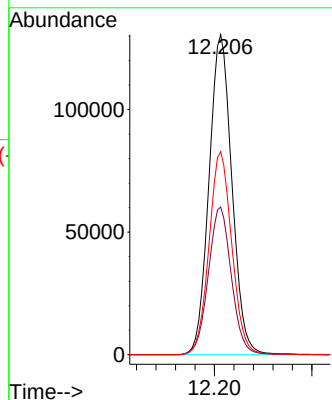
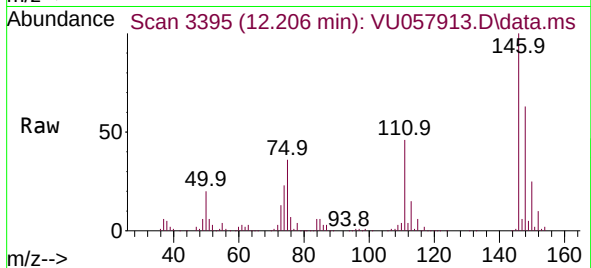
Tgt Ion:146 Resp: 212764

Ion Ratio Lower Upper

146 100

111 46.2 37.3 55.9

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 38.988 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057913.D

Acq: 21 Feb 2024 09:41

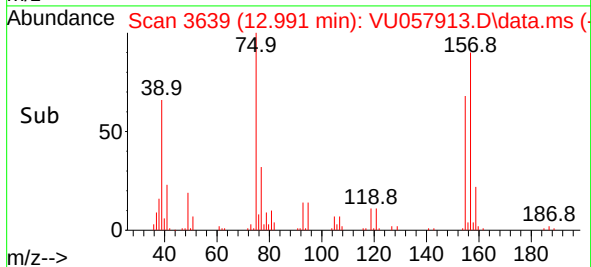
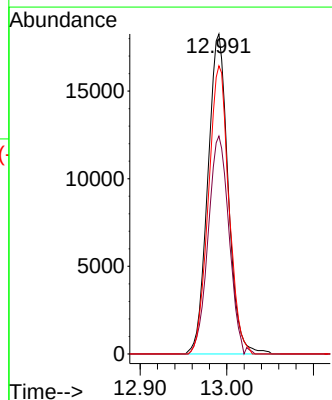
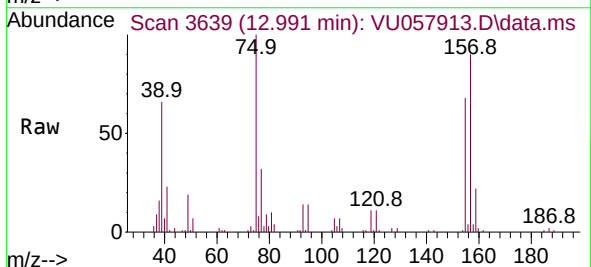
Tgt Ion: 75 Resp: 29800

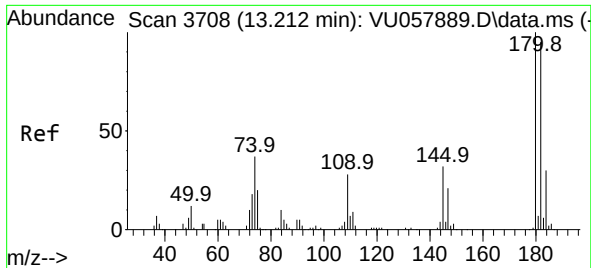
Ion Ratio Lower Upper

75 100

155 72.3 63.2 94.8

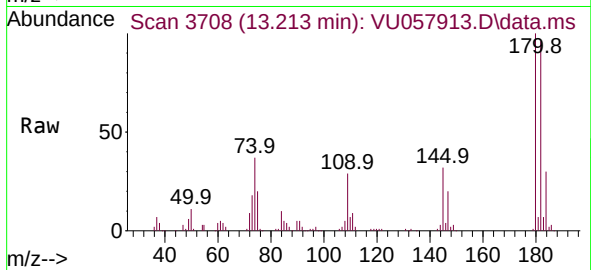
157 94.2 74.6 112.0



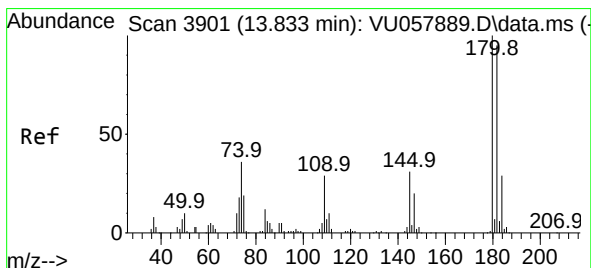
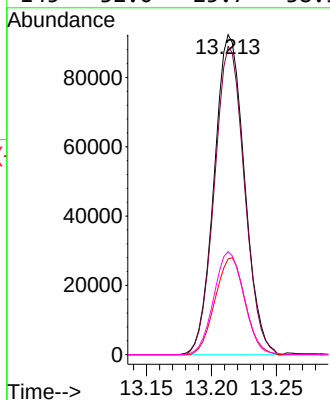
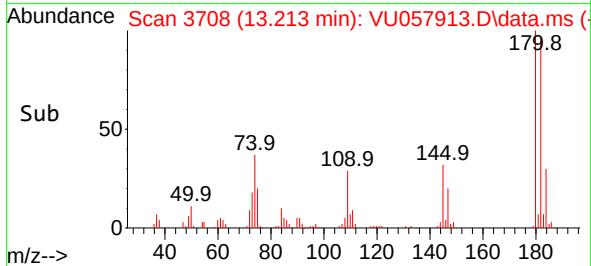


#69
 1,3,5-Trichlorobenzene
 Concen: 46.351 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41

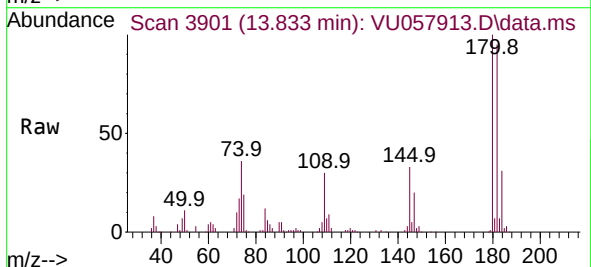
Instrument :
 MSVOA_U
 ClientSampleId :



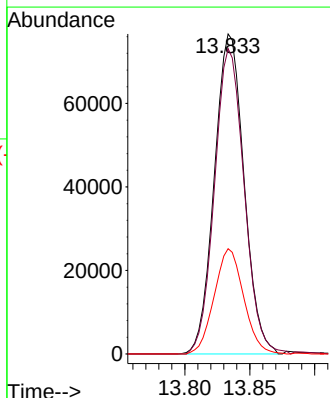
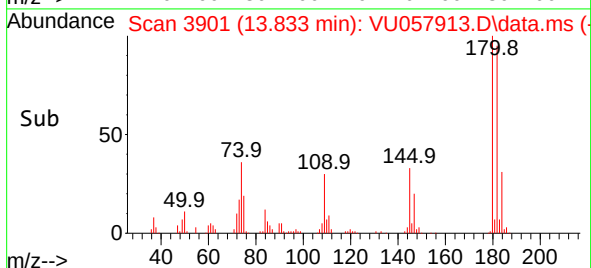
Tgt Ion:180 Resp: 149684
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.6 116.4
 184 30.0 24.1 36.1
 145 32.0 25.7 38.5

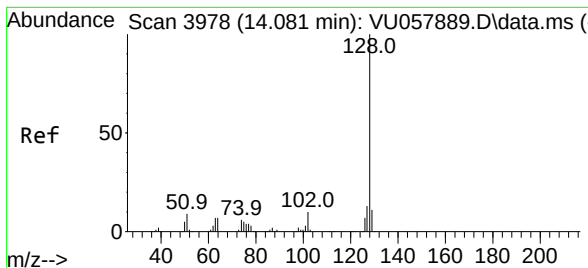


#70
 1,2,4-trichlorobenzene
 Concen: 46.778 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU057913.D
 Acq: 21 Feb 2024 09:41



Tgt Ion:180 Resp: 121626
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.6
 145 32.7 25.9 38.9

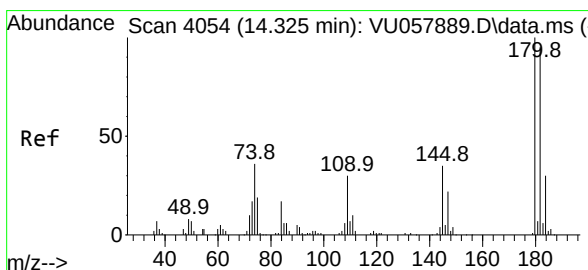
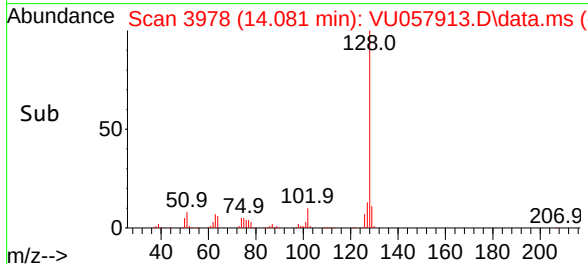
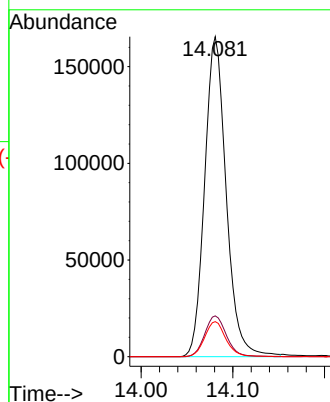
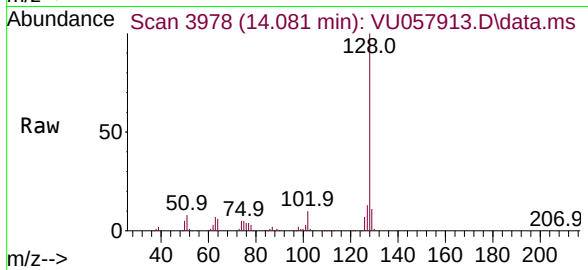




#71
Naphthalene
Concen: 39.166 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 270425
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 43.406 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU057913.D
Acq: 21 Feb 2024 09:41

Tgt Ion:180 Resp: 103659
Ion Ratio Lower Upper
180 100
182 97.5 75.4 113.2
145 34.7 27.8 41.8

