

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057159.D
 Acq On : 22 Dec 2023 01:16
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 01:31:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:30:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	172142	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	171437	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88265	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	83136	5.053	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.911	69	68634	5.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.563	65	35763	5.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.624	46	133889	51.828	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.660%
24) Chloroform-d	5.055	84	158694	4.994	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	76201	5.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.721	84	285266	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.685	67	80882	4.834	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.891	98	266777	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.174	79	34006	4.882	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.627	63	124267	52.398	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.800%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	61430	5.159	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	90547	4.767	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	76044	4.724	ug/L	99
3) Chloromethane	1.518	50	67980	4.819	ug/L	100
5) Vinyl chloride	1.602	62	79707	5.297	ug/L	99
6) Bromomethane	1.856	94	35795	5.439	ug/L	96
8) Chloroethane	1.933	64	47886	5.012	ug/L	95
9) Trichlorofluoromethane	2.136	101	135604	4.904	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	69324	4.842	ug/L	98
12) 1,1-Dichloroethene	2.576	96	61289	4.762	ug/L	93
13) Acetone	2.637	43	79002	50.864	ug/L	98
14) Carbon disulfide	2.789	76	179044	4.422	ug/L	98
15) Methyl Acetate	2.949	43	21076	5.754	ug/L	92
16) Methylene chloride	3.043	84	78671	5.258	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	137342	5.025	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	62060	4.945	ug/L	97
19) 1,1-Dichloroethane	3.859	63	123900	4.975	ug/L	98
21) 2-Butanone	4.705	43	119340	50.416	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	68455	4.953	ug/L	94
23) Bromochloromethane	4.968	128	29699	4.959	ug/L	92
25) Chloroform	5.081	83	138757	4.939	ug/L	99

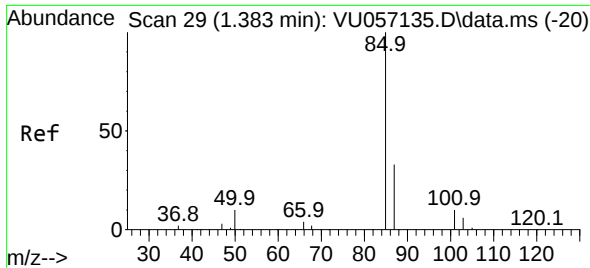
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
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Quant Time: Dec 22 01:31:22 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:30:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	80923	4.882	ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	127623	4.684	ug/L	98
30) Cyclohexane	5.383	56	87708	4.762	ug/L	97
31) Carbon tetrachloride	5.518	117	109215	4.557	ug/L	97
33) Benzene	5.766	78	266958	4.912	ug/L	100
34) Trichloroethene	6.538	95	73495	4.624	ug/L	96
35) Methylcyclohexane	6.759	83	97149	4.643	ug/L	98
37) 1,2-Dichloropropane	6.782	63	65045	4.811	ug/L	98
38) Bromodichloromethane	7.097	83	94837	4.849	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	97768	4.808	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	297313	50.590	ug/L	99
42) Toluene	7.965	91	289508	5.026	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	84034	4.842	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	47779	5.123	ug/L	96
47) Tetrachloroethene	8.547	164	53878	4.731	ug/L	97
48) 2-Hexanone	8.679	43	220779	51.060	ug/L	99
49) Dibromochloromethane	8.804	129	58632	4.849	ug/L	98
50) 1,2-Dibromoethane	8.917	107	43521	4.970	ug/L	97
51) Chlorobenzene	9.441	112	184226	4.914	ug/L	97
52) Ethylbenzene	9.566	91	315244	4.857	ug/L	99
53) m,p-Xylene	9.689	106	117969	4.969	ug/L	100
54) o-Xylene	10.094	106	111103	4.850	ug/L	99
55) Styrene	10.110	104	195774	5.182	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	56429	5.017	ug/L #	98
59) Bromoform	10.283	173	34620	5.111	ug/L	95
60) Isopropylbenzene	10.480	105	316818	4.868	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	39341	4.784	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	257183	4.823	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	256688	4.878	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	148779	4.837	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	145154	4.688	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	131514	4.781	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	8828	4.733	ug/L	92
69) 1,3,5-Trichlorobenzene	13.213	180	107569	4.701	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	79512	4.438	ug/L	98
71) Naphthalene	14.081	128	104238	4.599	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	65020	4.652	ug/L	98

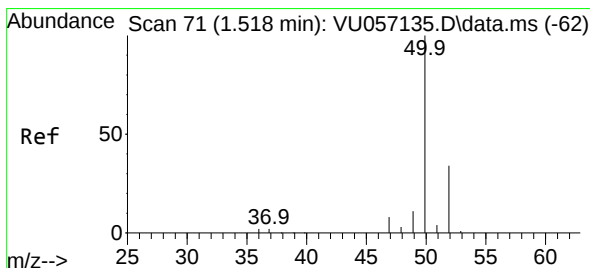
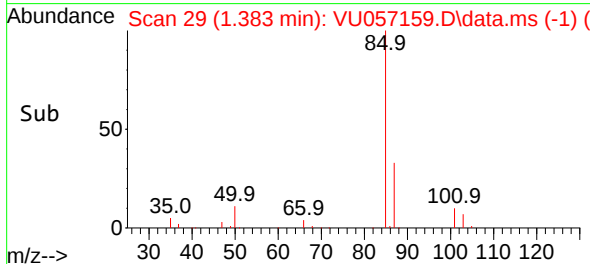
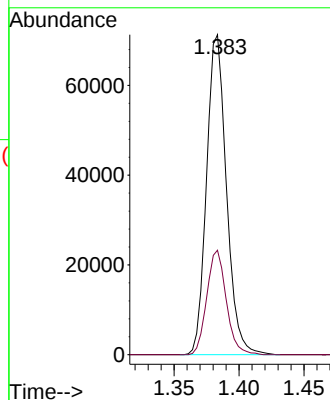
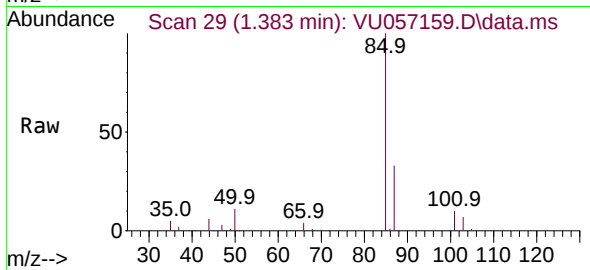
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#2
 Dichlorodifluoromethane
 Concen: 4.724 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

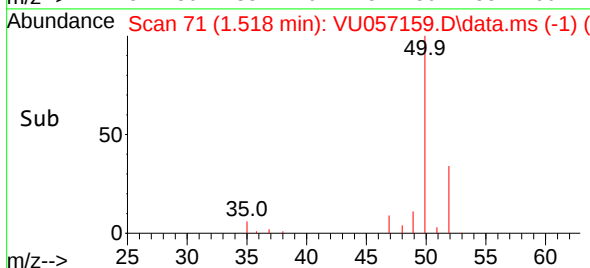
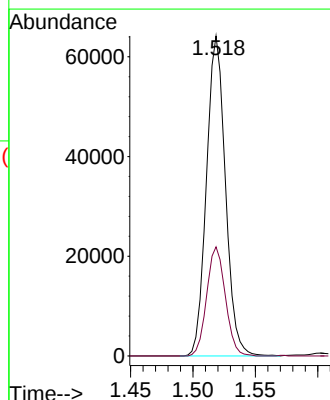
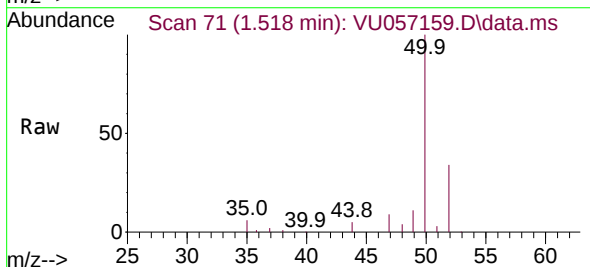
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 MSVOA_U
 ClientSampleId :

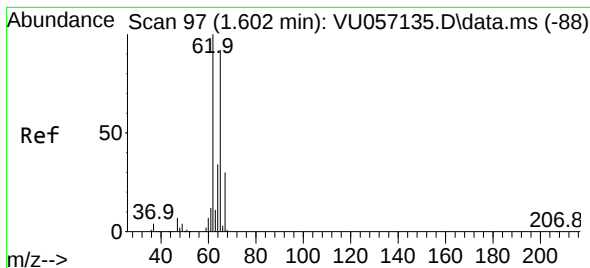
Tgt Ion: 85 Resp: 76044
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.9 38.9



#3
 Chloromethane
 Concen: 4.819 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

Tgt Ion: 50 Resp: 67980
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.7 44.1





#5

Vinyl chloride

Concen: 5.297 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

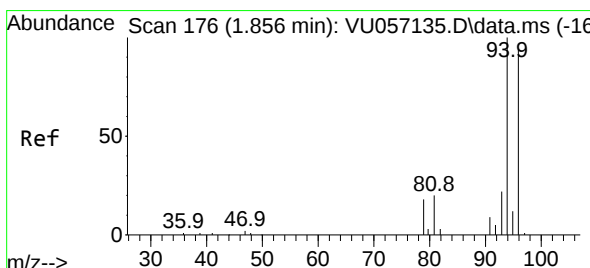
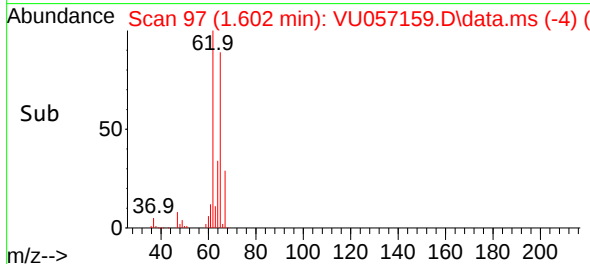
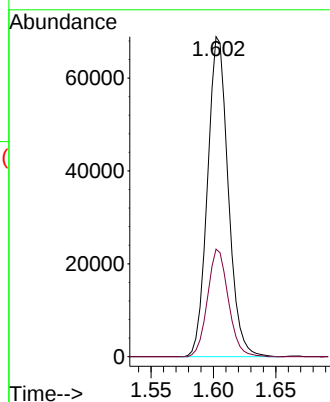
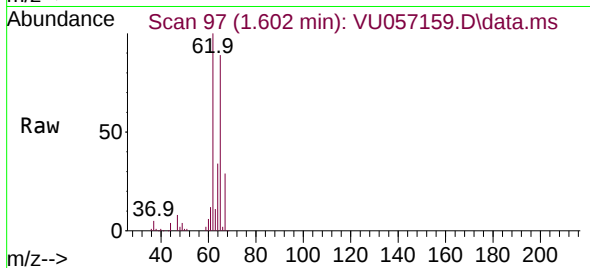
ClientSampleId :

Tgt Ion: 62 Resp: 79707

Ion Ratio Lower Upper

62 100

64 33.6 23.3 43.3



#6

Bromomethane

Concen: 5.439 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU057159.D

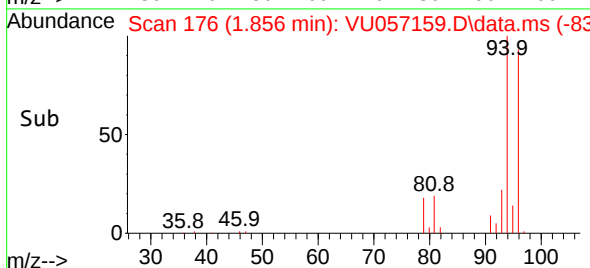
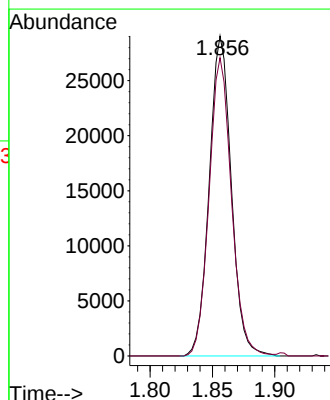
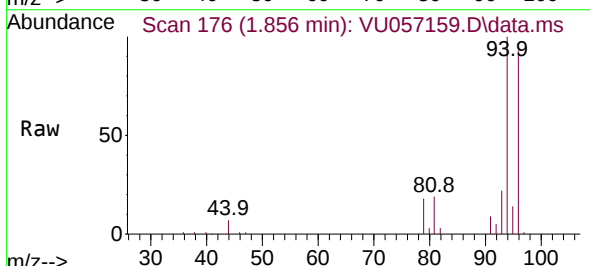
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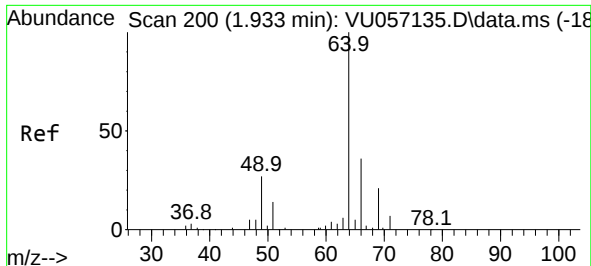
Tgt Ion: 94 Resp: 35795

Ion Ratio Lower Upper

94 100

96 93.2 68.2 126.6

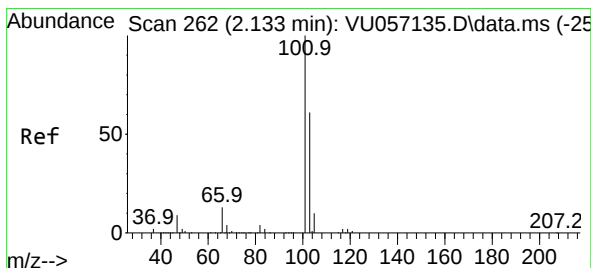
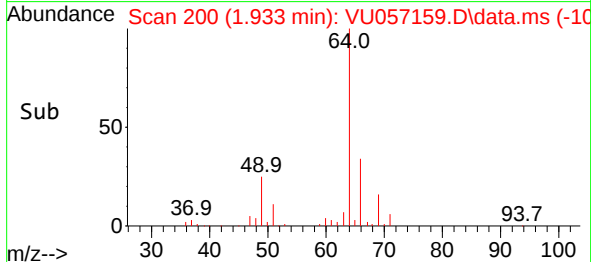
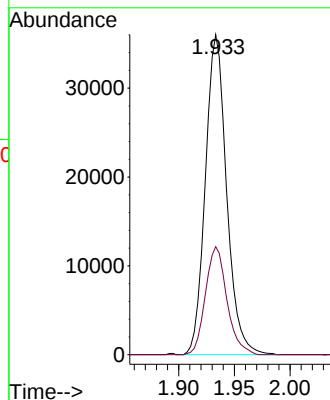
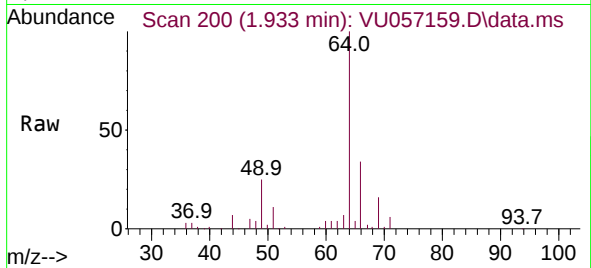




#8
Chloroethane
Concen: 5.012 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

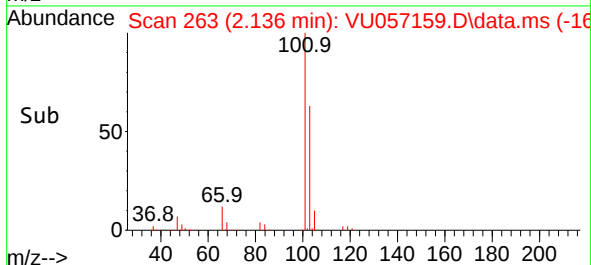
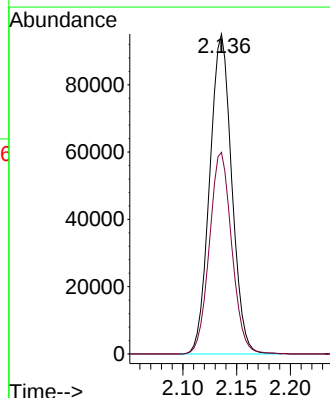
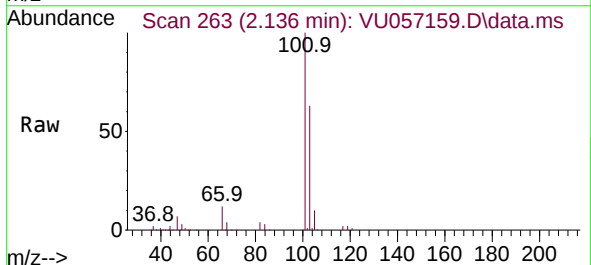
Instrument :
MSVOA_U
ClientSampleId :

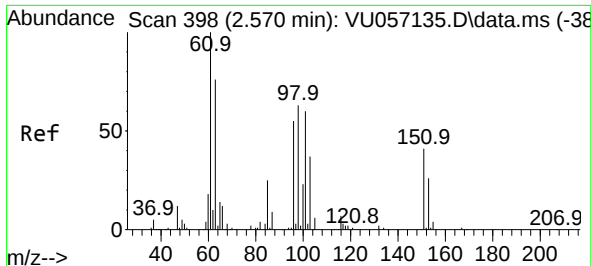
Tgt Ion: 64 Resp: 47886
Ion Ratio Lower Upper
64 100
66 33.8 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.904 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:101 Resp: 135604
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1

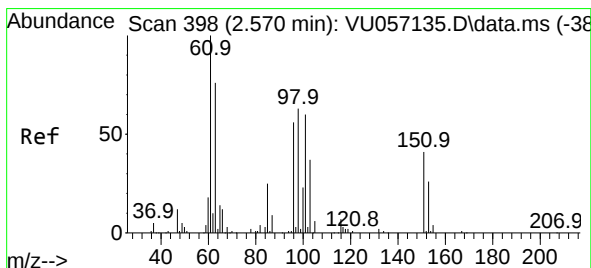
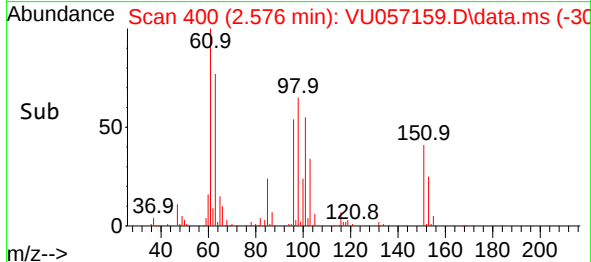
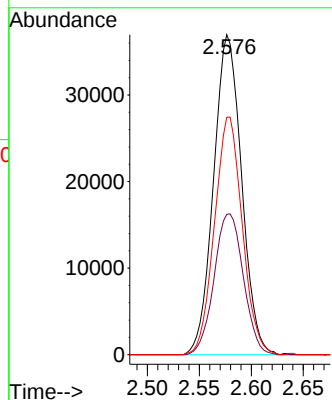
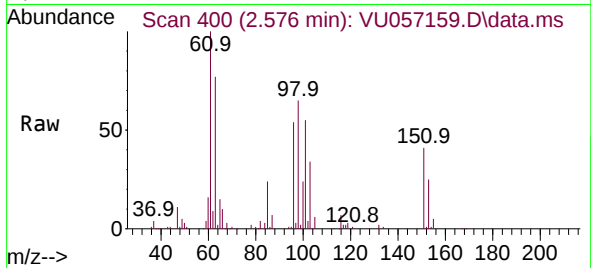




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.842 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.006 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

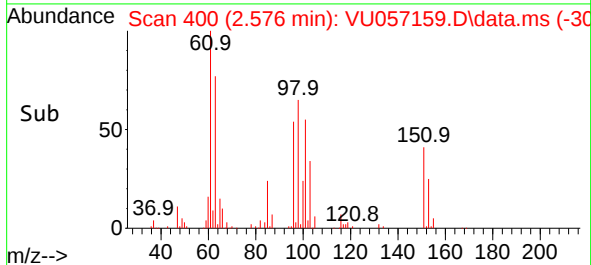
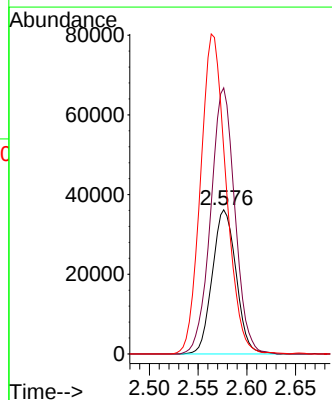
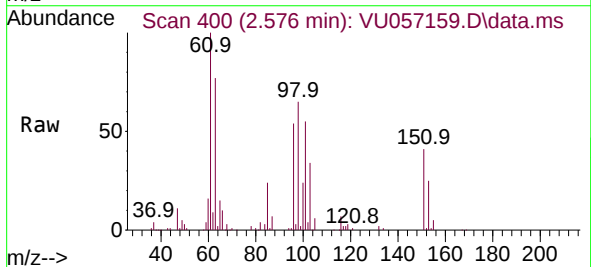
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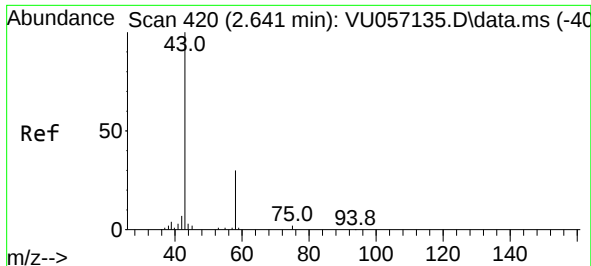
Tgt Ion:101 Resp: 69324
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.6 53.4
 151 73.8 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 4.762 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.006 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

Tgt Ion: 96 Resp: 61289
 Ion Ratio Lower Upper
 96 100
 61 184.6 119.6 222.0
 63 142.3 96.2 178.8





#13

Acetone

Concen: 50.864 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

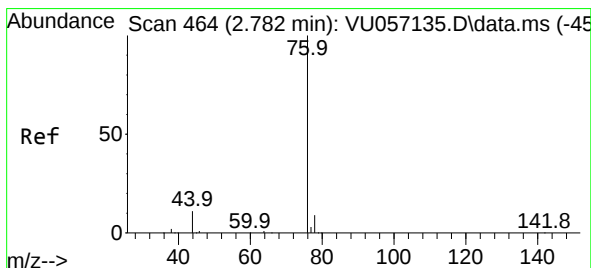
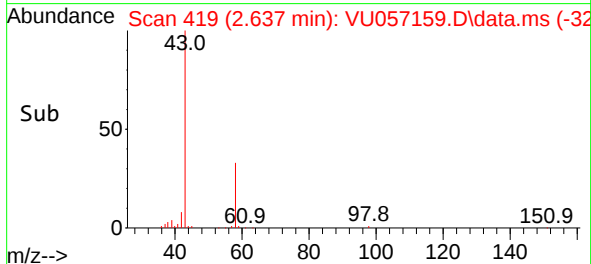
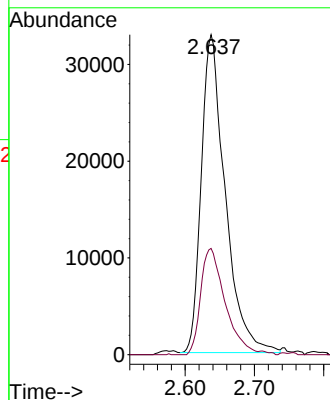
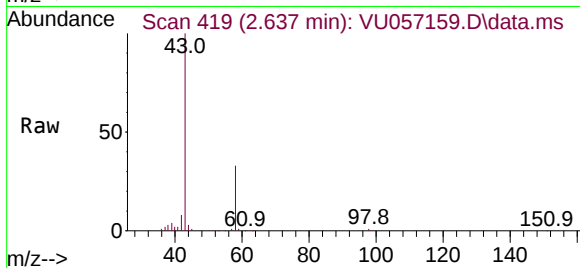
ClientSampleId :

Tgt Ion: 43 Resp: 79002

Ion Ratio Lower Upper

43 100

58 34.0 0.0 70.8



#14

Carbon disulfide

Concen: 4.422 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.006 min

Lab File: VU057159.D

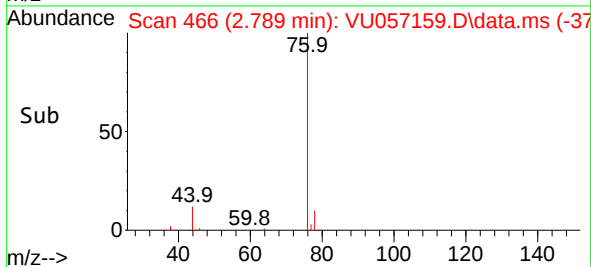
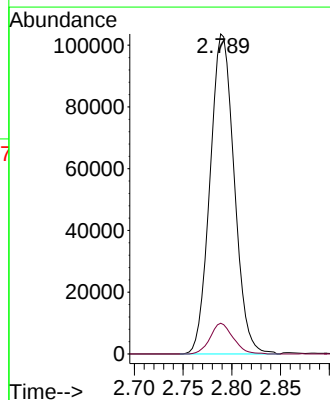
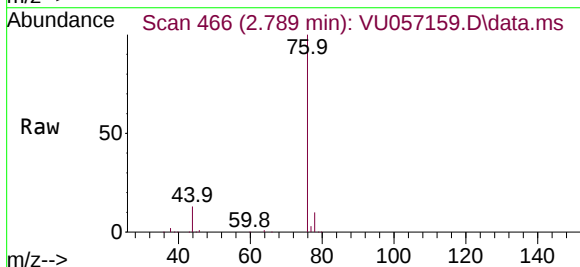
Acq: 22 Dec 2023 01:16

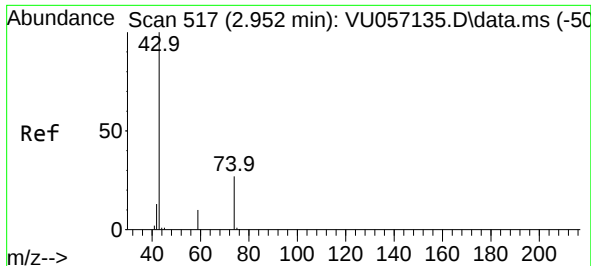
Tgt Ion: 76 Resp: 179044

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

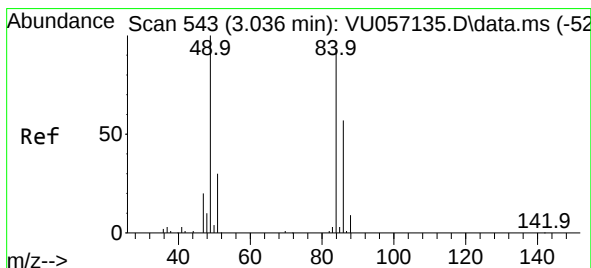
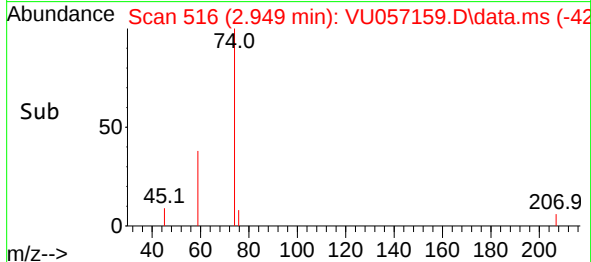
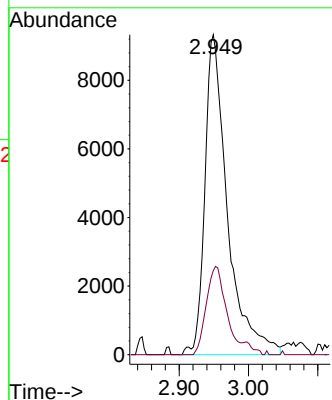
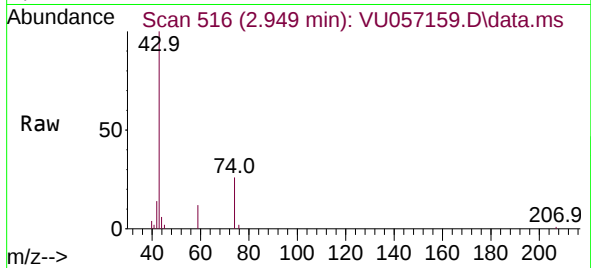




#15
Methyl Acetate
Concen: 5.754 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

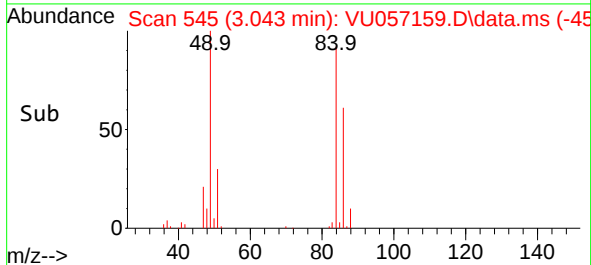
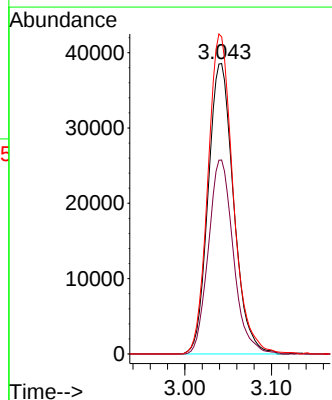
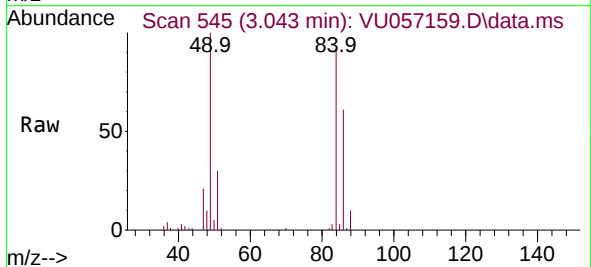
Instrument :
MSVOA_U
ClientSampleId :

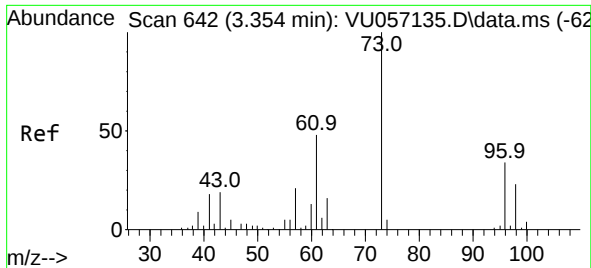
Tgt Ion: 43 Resp: 21076
Ion Ratio Lower Upper
43 100
74 24.4 22.8 34.2



#16
Methylene chloride
Concen: 5.258 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.006 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion: 84 Resp: 78671
Ion Ratio Lower Upper
84 100
86 66.8 44.7 82.9
49 109.2 76.0 141.2

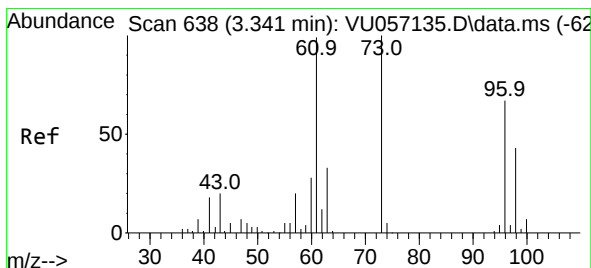
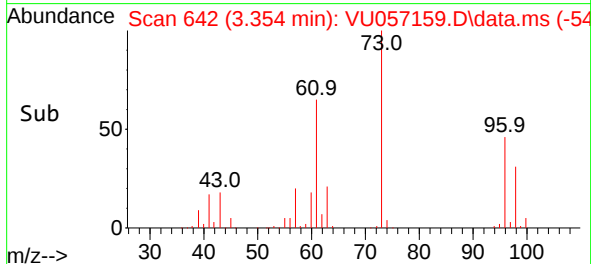
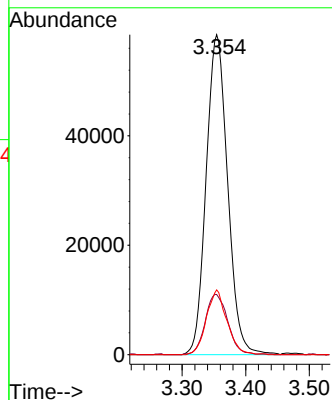
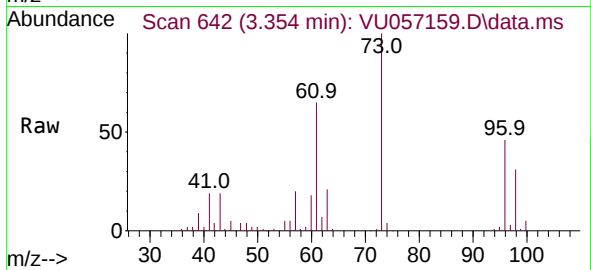




#17
Methyl tert-butyl Ether
Concen: 5.025 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

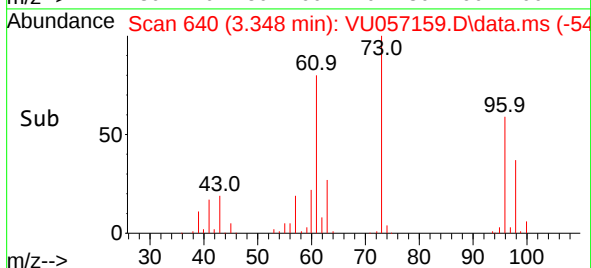
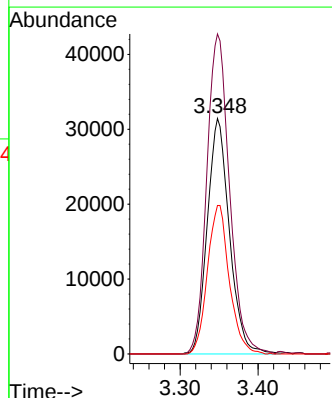
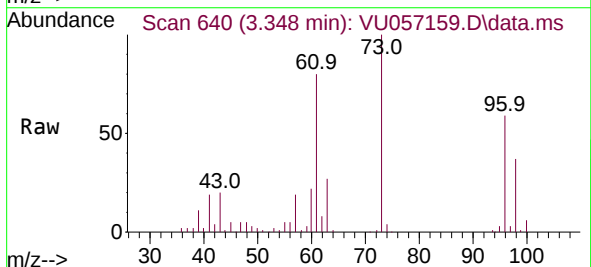
Instrument :
MSVOA_U
ClientSampleId :

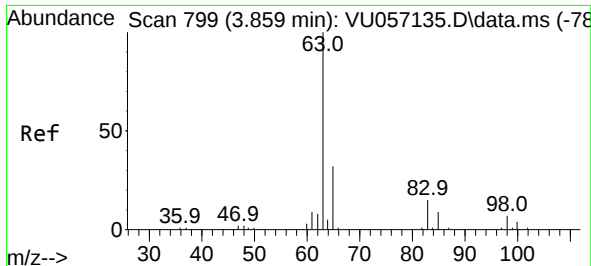
Tgt Ion: 73 Resp: 137342
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.0
57 19.4 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 4.945 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion: 96 Resp: 62060
Ion Ratio Lower Upper
96 100
61 135.8 98.4 182.8
98 63.0 43.6 81.0





#19

1,1-Dichloroethane

Concen: 4.975 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

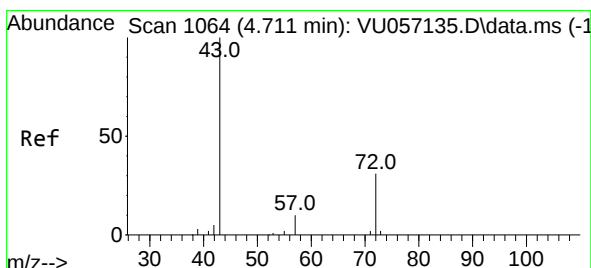
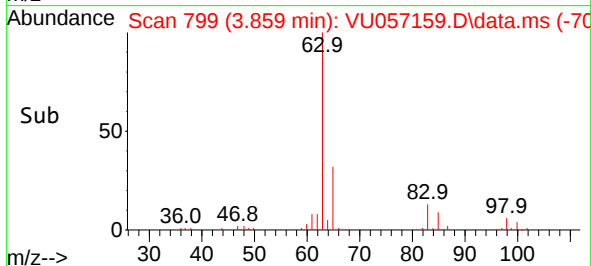
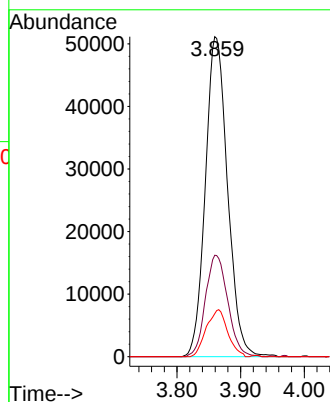
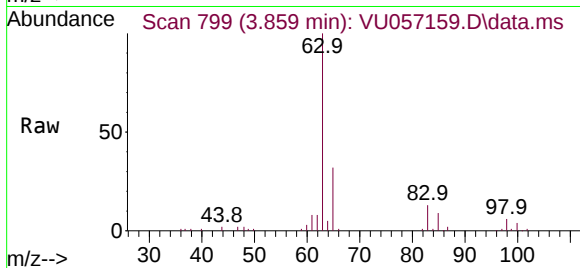
Tgt Ion: 63 Resp: 123900

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.2

83 13.5 10.2 19.0



#21

2-Butanone

Concen: 50.416 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VU057159.D

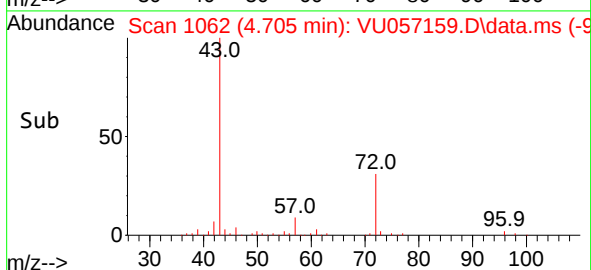
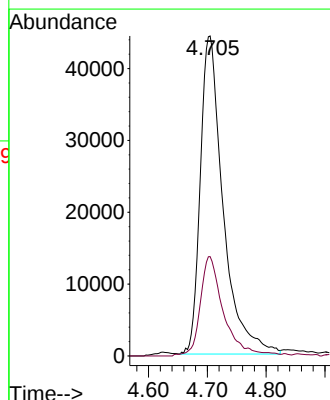
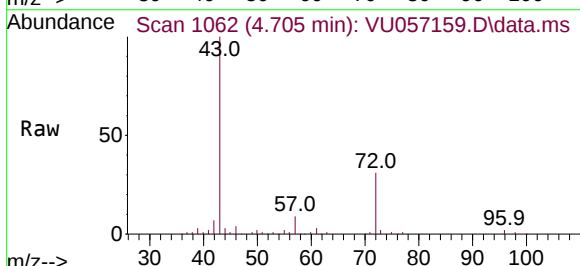
Acq: 22 Dec 2023 01:16

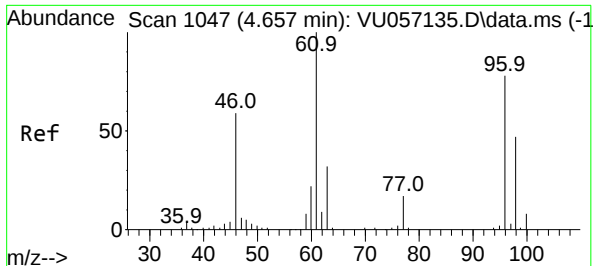
Tgt Ion: 43 Resp: 119340

Ion Ratio Lower Upper

43 100

72 31.8 16.3 48.8

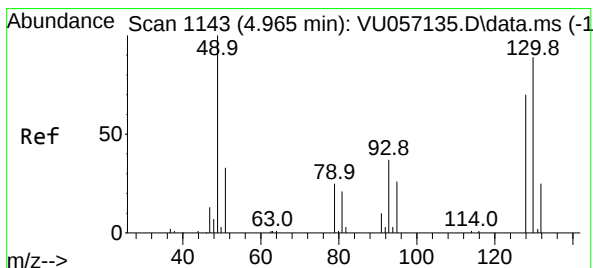
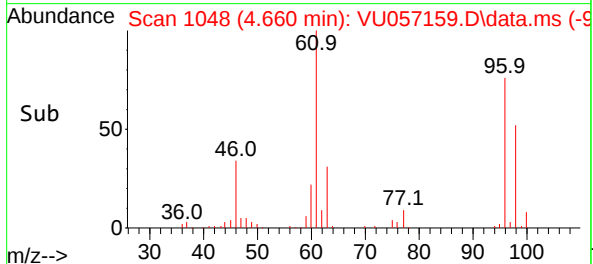
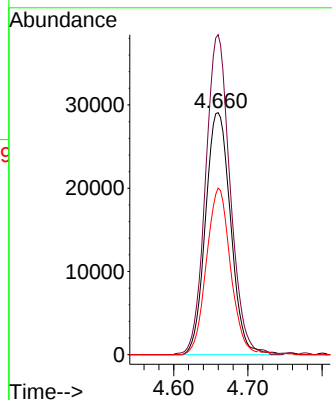
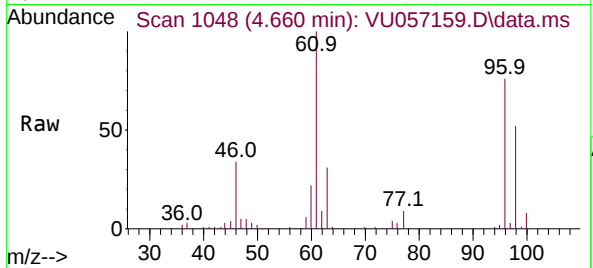




#22
 cis-1,2-Dichloroethene
 Concen: 4.953 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

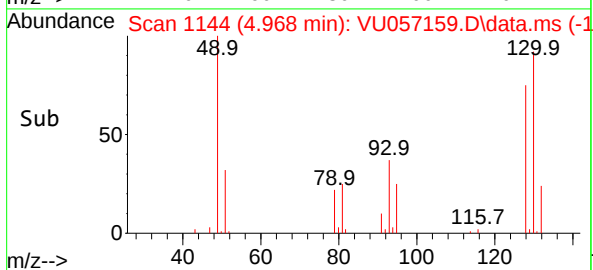
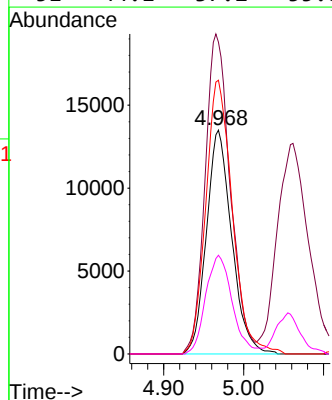
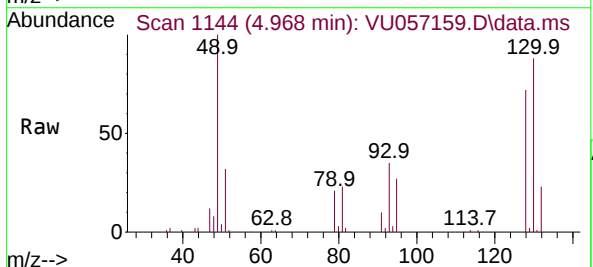
Instrument :
 MSVOA_U
 ClientSampleId :

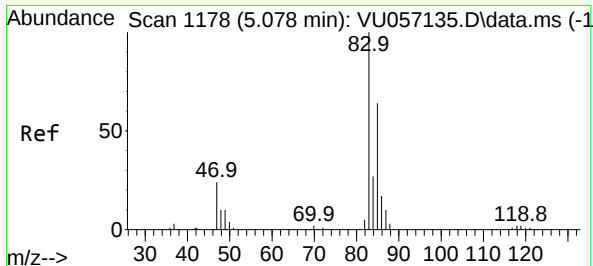
Tgt Ion: 96 Resp: 68455
 Ion Ratio Lower Upper
 96 100
 61 132.2 86.8 161.2
 98 68.8 45.5 84.5



#23
 Bromochloromethane
 Concen: 4.959 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU057159.D
 Acq: 22 Dec 2023 01:16

Tgt Ion: 128 Resp: 29699
 Ion Ratio Lower Upper
 128 100
 49 139.3 102.7 190.7
 130 122.3 94.7 175.9
 51 44.1 37.2 55.8





#25

Chloroform

Concen: 4.939 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

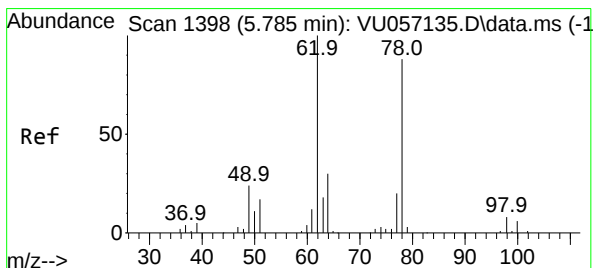
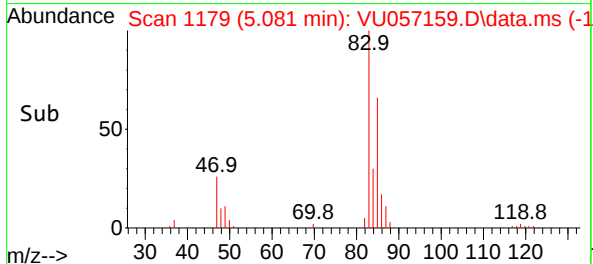
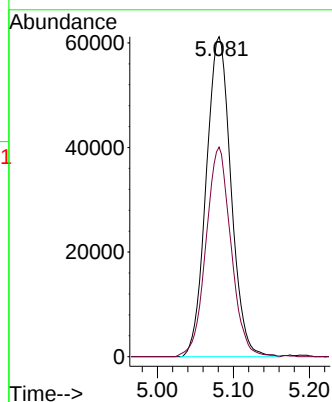
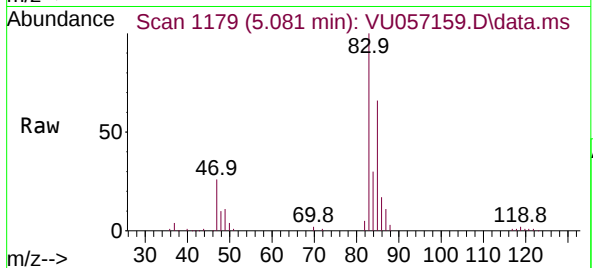
ClientSampleId :

Tgt Ion: 83 Resp: 138757

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.882 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057159.D

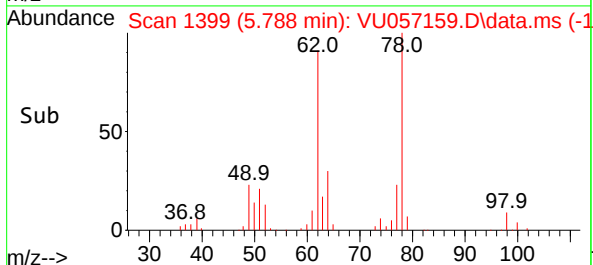
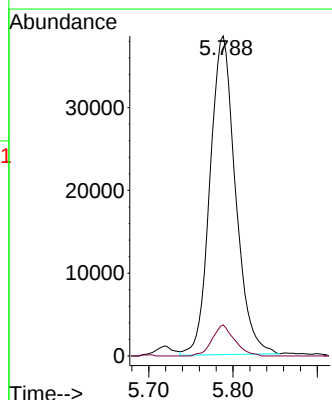
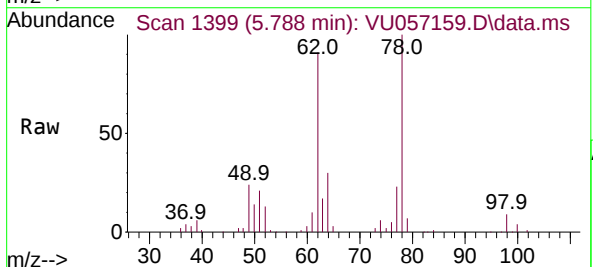
Acq: 22 Dec 2023 01:16

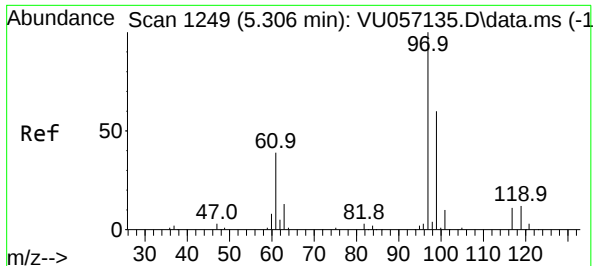
Tgt Ion: 62 Resp: 80923

Ion Ratio Lower Upper

62 100

98 9.7 6.3 9.5#

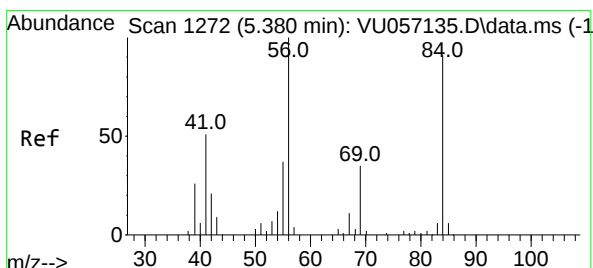
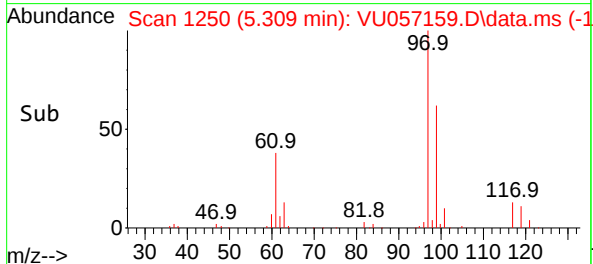
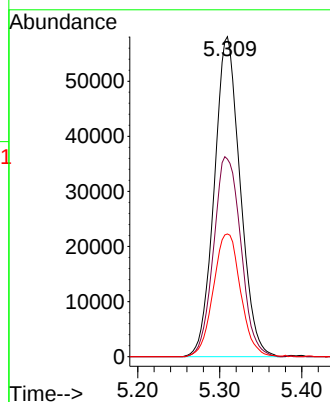
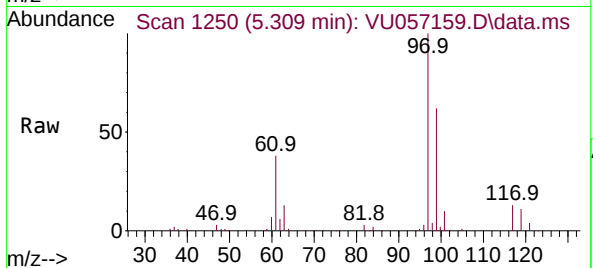




#29
1,1,1-Trichloroethane
Concen: 4.684 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

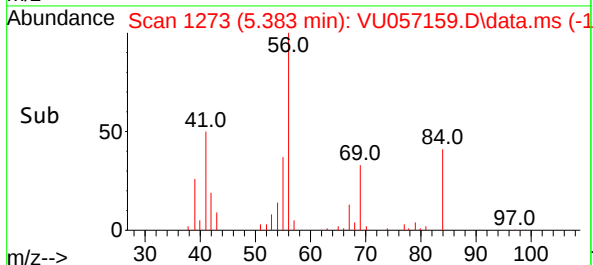
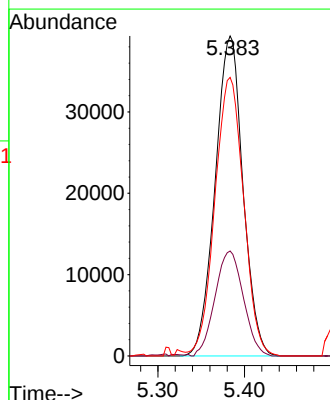
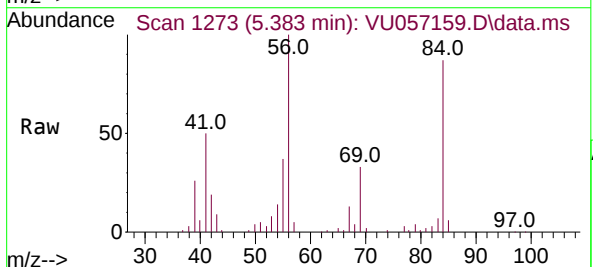
Instrument :
MSVOA_U
ClientSampleId :

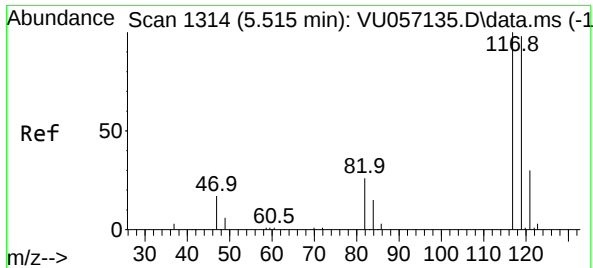
Tgt Ion: 97 Resp: 127623
Ion Ratio Lower Upper
97 100
99 65.8 51.2 76.8
61 40.4 32.5 48.7



#30
Cyclohexane
Concen: 4.762 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion: 56 Resp: 87708
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 90.0 74.9 112.3

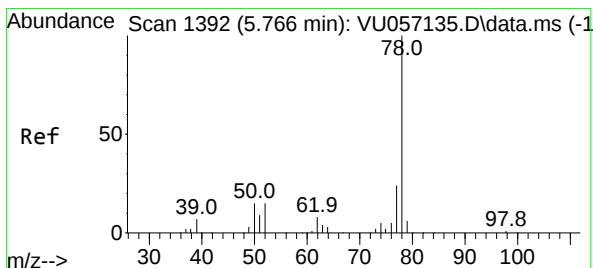
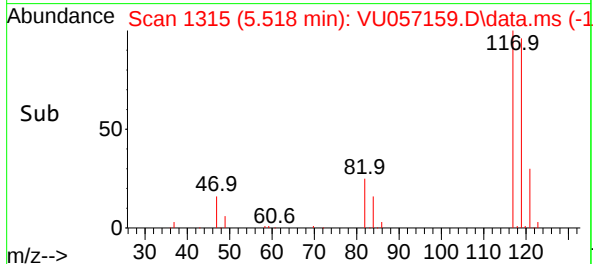
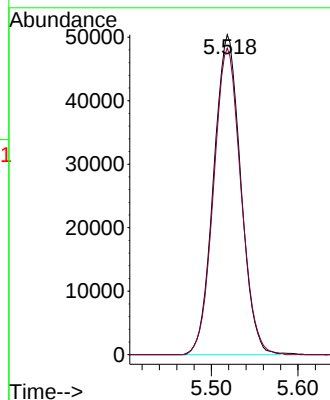
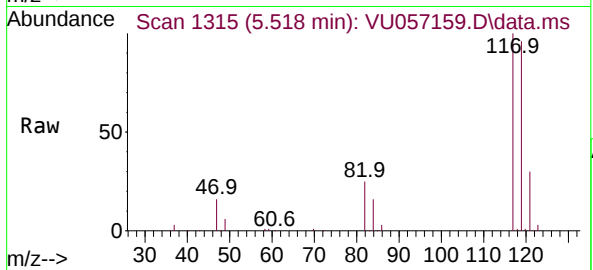




#31
Carbon tetrachloride
Concen: 4.557 ug/L
RT: 5.518 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

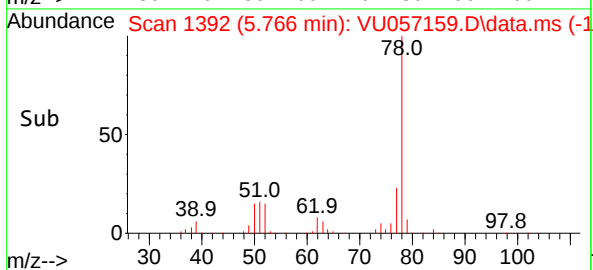
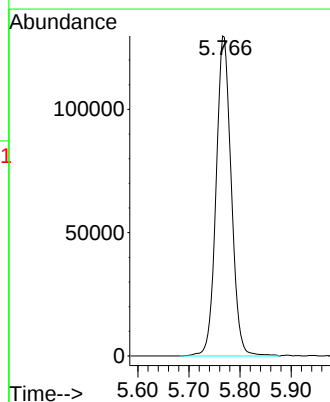
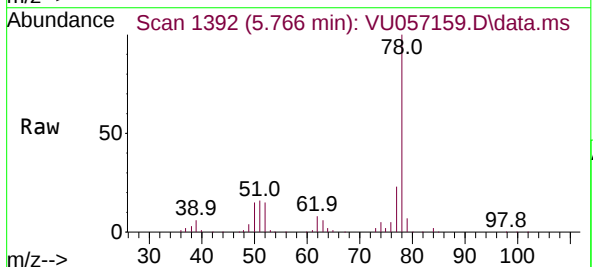
Instrument :
MSVOA_U
ClientSampleId :

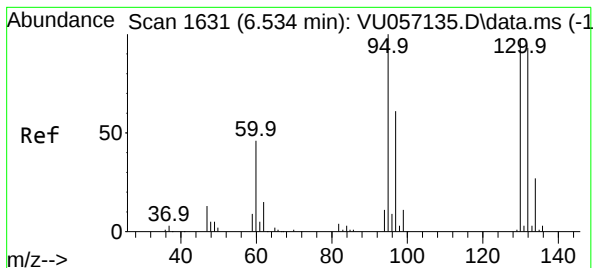
Tgt Ion:117 Resp: 109215
Ion Ratio Lower Upper
117 100
119 96.9 75.1 112.7



#33
Benzene
Concen: 4.912 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion: 78 Resp: 266958





#34

Trichloroethene

Concen: 4.624 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 73495

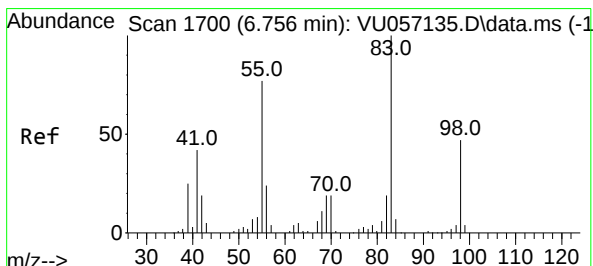
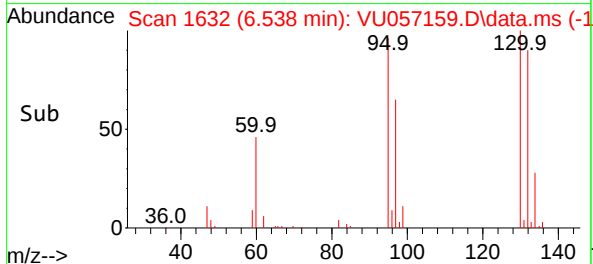
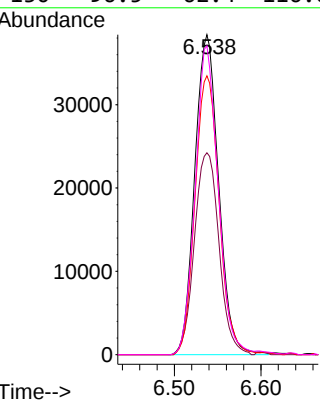
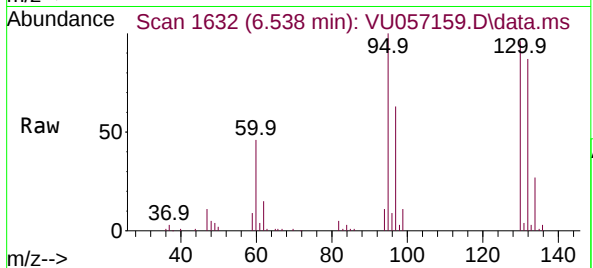
Ion Ratio Lower Upper

95 100

97 63.1 44.3 82.3

132 87.2 62.6 116.2

130 96.5 62.4 116.0



#35

Methylcyclohexane

Concen: 4.643 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

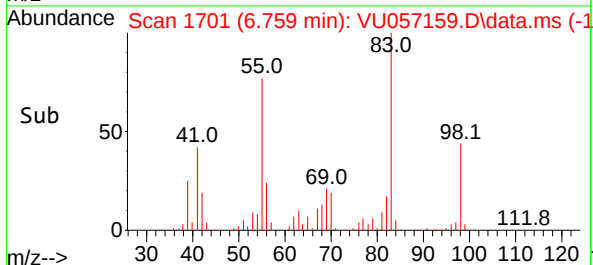
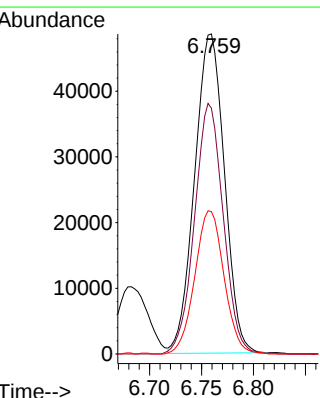
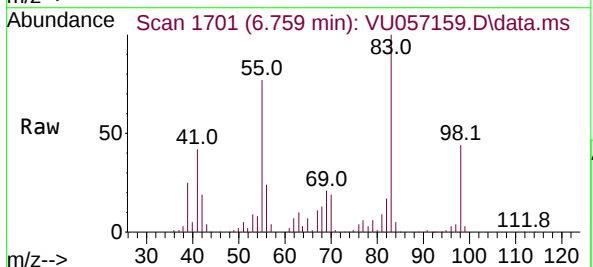
Tgt Ion: 83 Resp: 97149

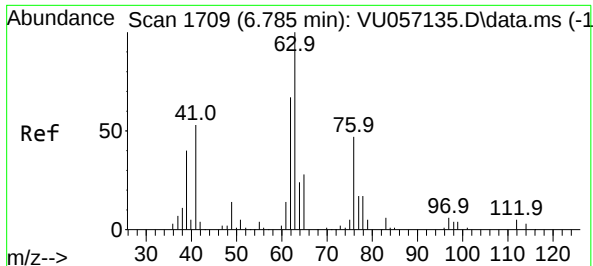
Ion Ratio Lower Upper

83 100

55 75.6 61.3 91.9

98 43.9 36.6 55.0





#37

1,2-Dichloropropane

Concen: 4.811 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

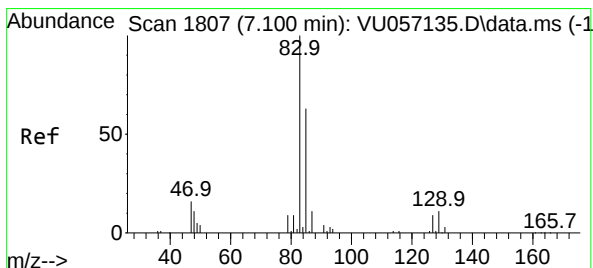
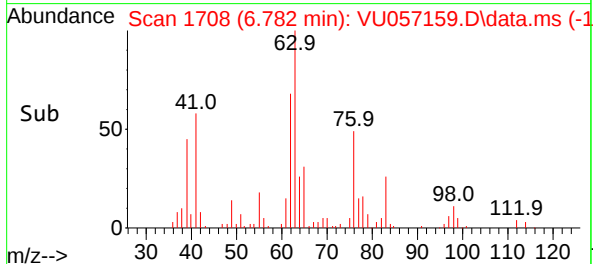
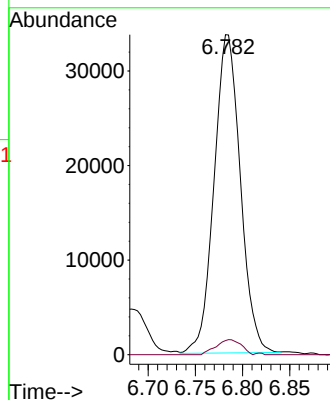
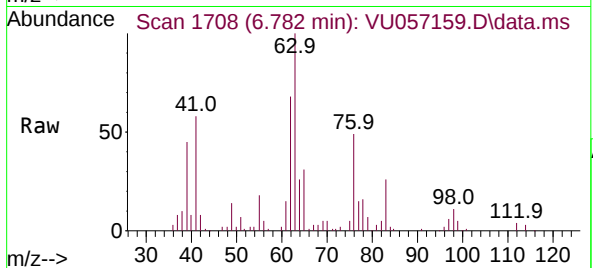
ClientSampleId :

Tgt Ion: 63 Resp: 65045

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 4.849 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

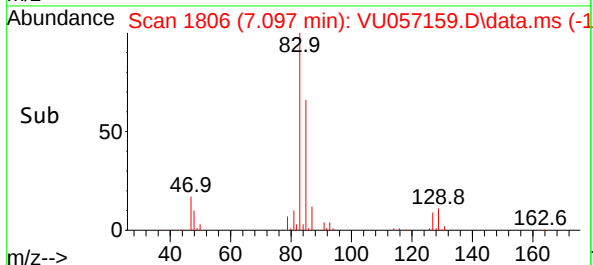
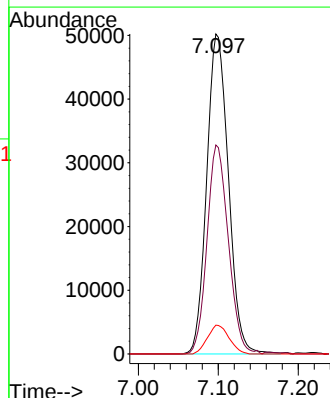
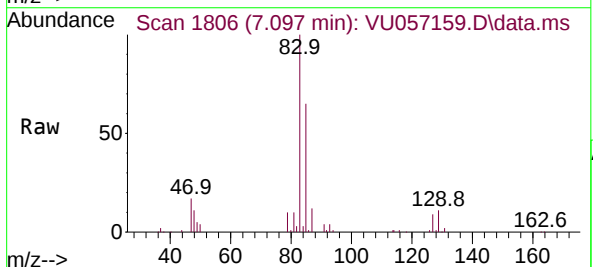
Tgt Ion: 83 Resp: 94837

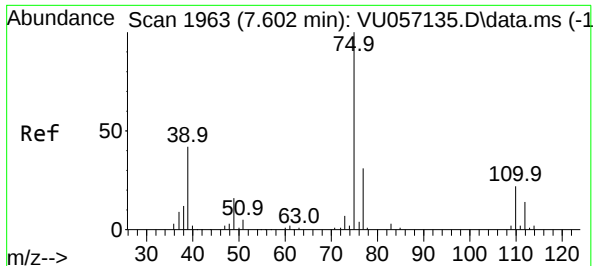
Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0

127 9.0 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.808 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

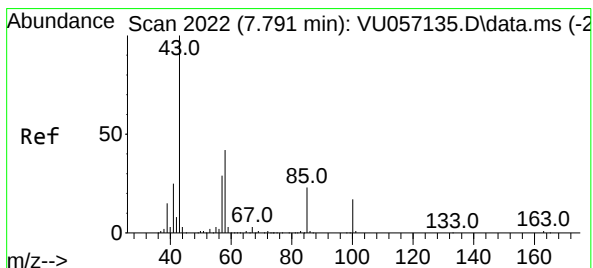
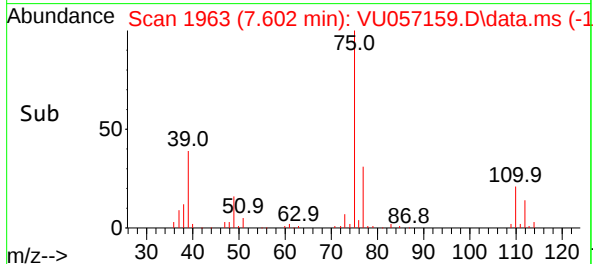
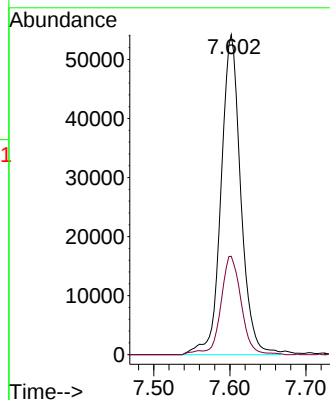
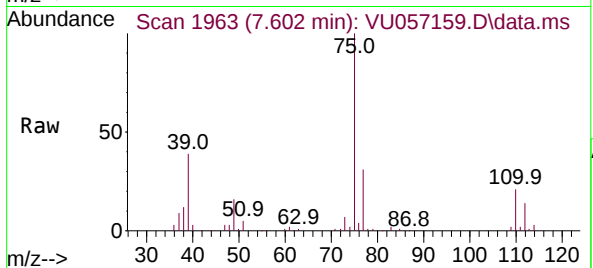
ClientSampleId :

Tgt Ion: 75 Resp: 97768

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 50.590 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.010 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

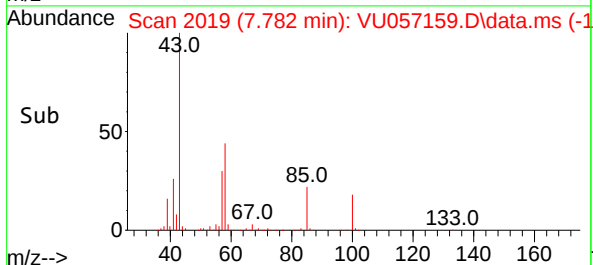
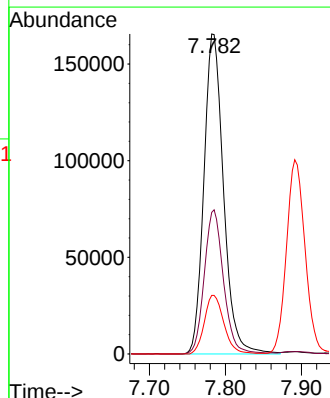
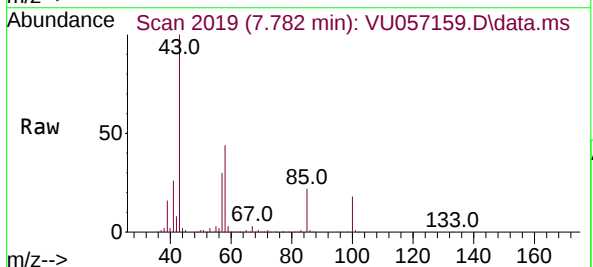
Tgt Ion: 43 Resp: 297313

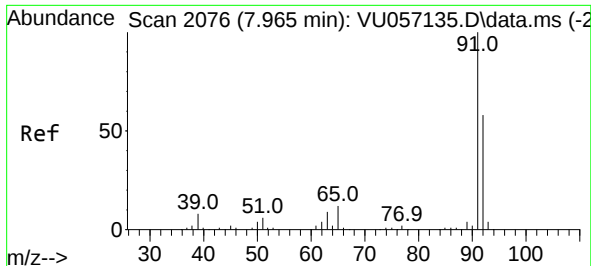
Ion Ratio Lower Upper

43 100

58 44.1 34.8 52.2

100 18.3 14.6 21.8





#42

Toluene

Concen: 5.026 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

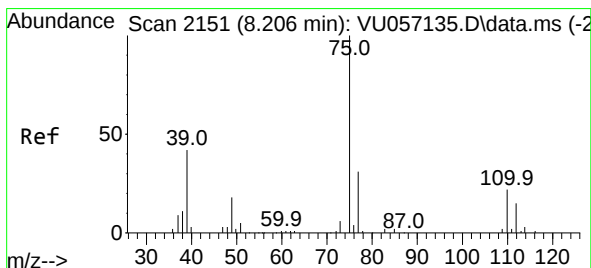
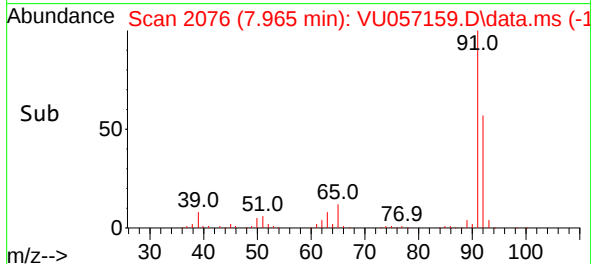
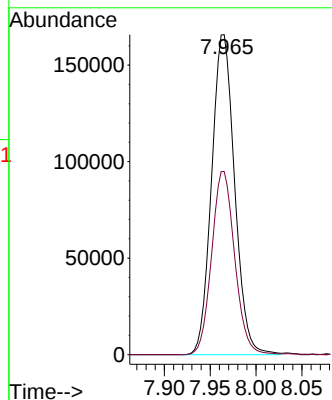
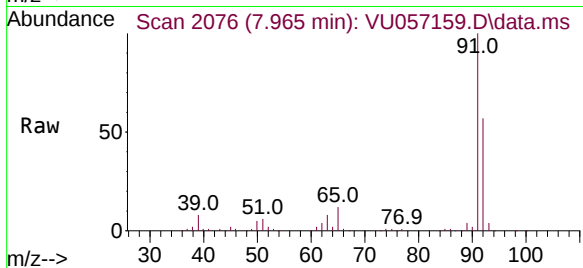
ClientSampleId :

Tgt Ion: 91 Resp: 289508

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.842 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU057159.D

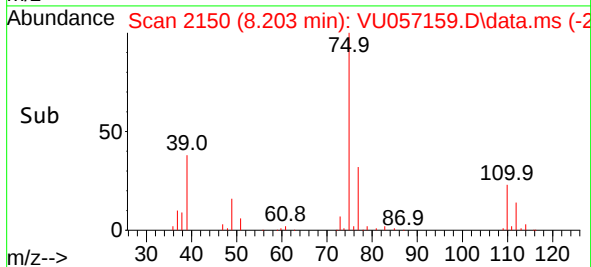
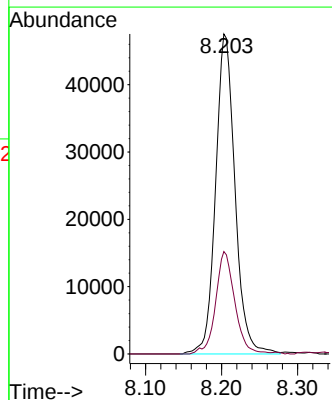
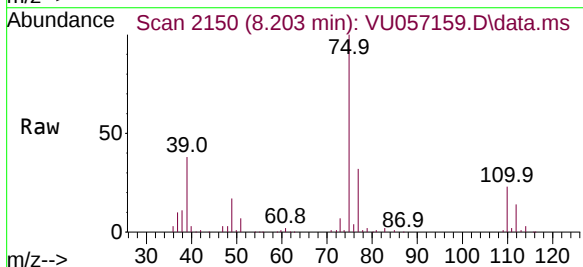
Acq: 22 Dec 2023 01:16

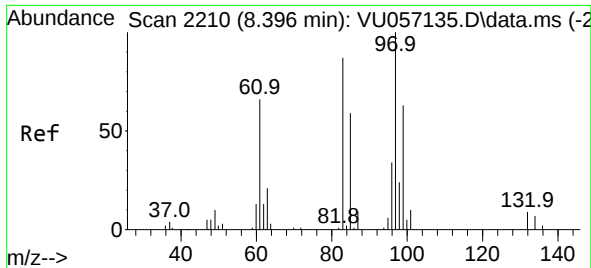
Tgt Ion: 75 Resp: 84034

Ion Ratio Lower Upper

75 100

77 32.0 21.4 39.8



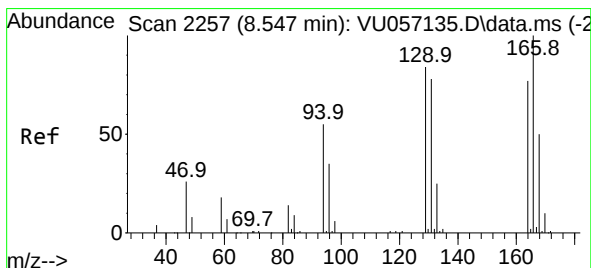
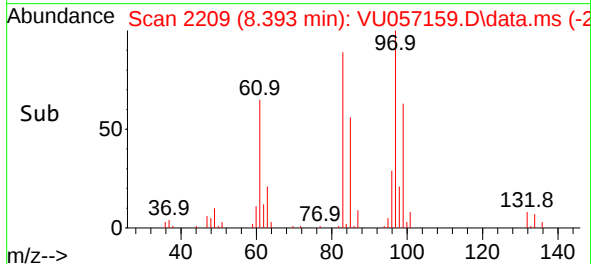
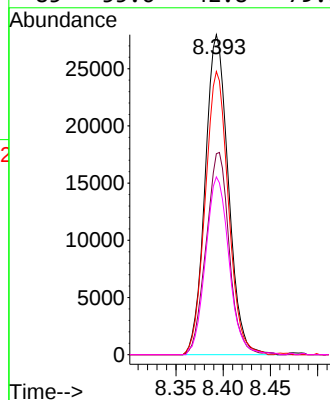
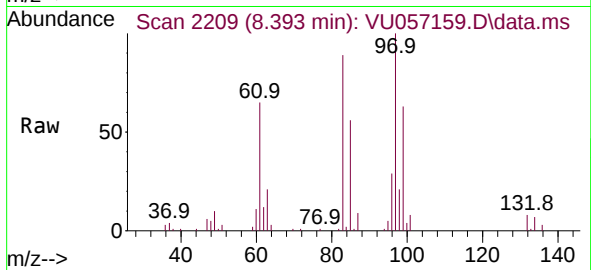


#45
1,1,2-Trichloroethane
Concen: 5.123 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 47779

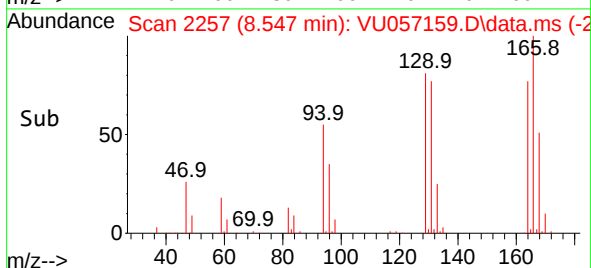
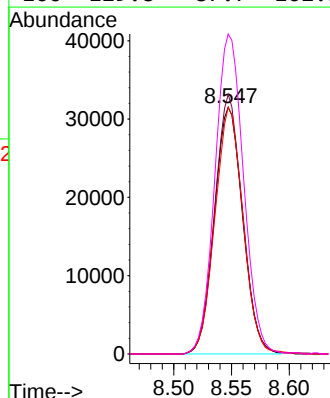
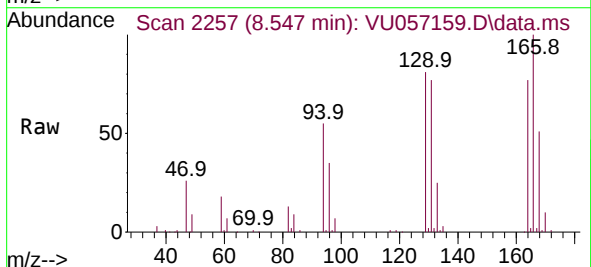
Ion	Ratio	Lower	Upper
97	100		
99	62.8	47.0	87.2
83	88.5	62.1	115.3
85	55.6	42.8	79.6

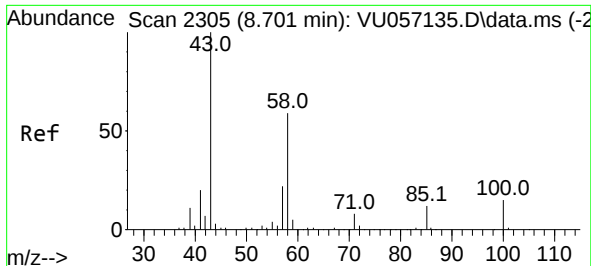


#47
Tetrachloroethene
Concen: 4.731 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion: 164 Resp: 53878

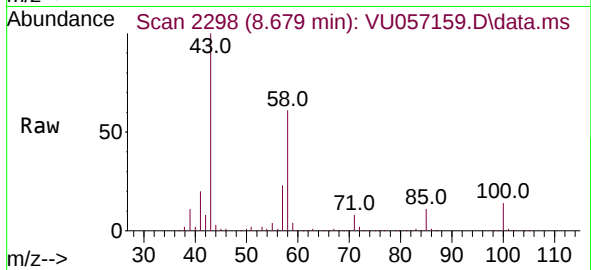
Ion	Ratio	Lower	Upper
164	100		
129	105.3	72.9	135.3
131	100.1	71.7	133.3
166	129.8	87.7	162.9



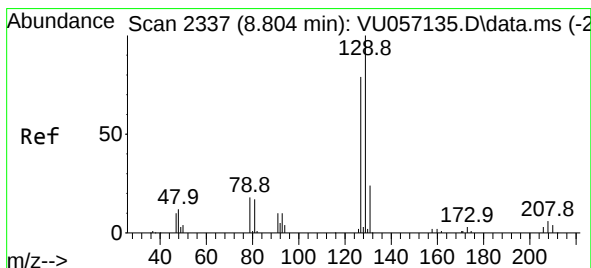
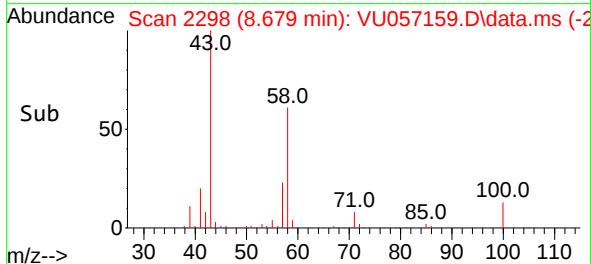
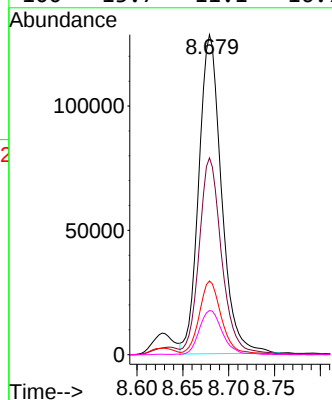


#48
2-Hexanone
Concen: 51.060 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.022 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Instrument :
MSVOA_U
ClientSampleId :

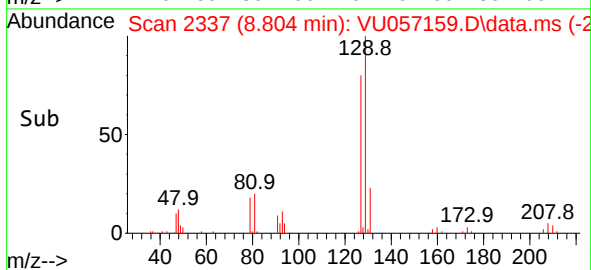
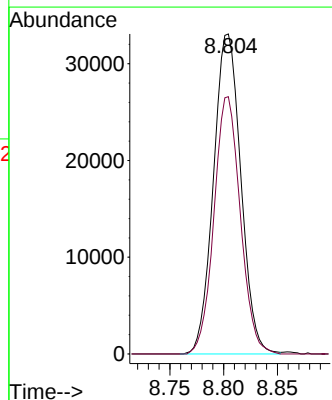
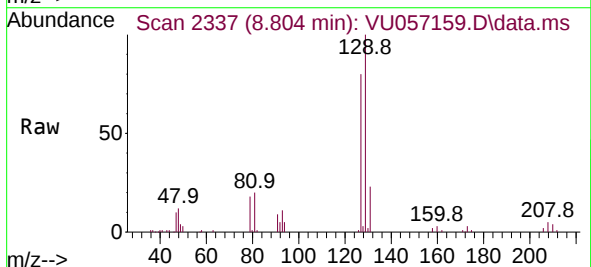


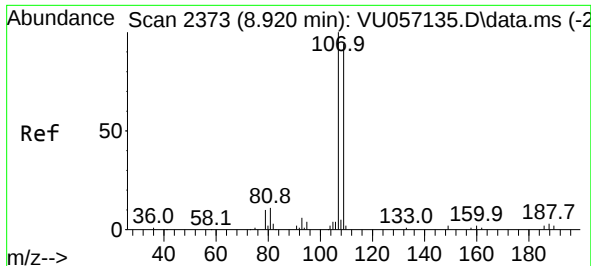
Tgt Ion:	43	Resp:	220779
Ion	Ratio	Lower	Upper
43	100		
58	61.0	49.8	74.8
57	22.6	18.5	27.7
100	13.7	11.1	16.7



#49
Dibromochloromethane
Concen: 4.849 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:	129	Resp:	58632
Ion	Ratio	Lower	Upper
129	100		
127	80.4	55.2	102.6





#50

1,2-Dibromoethane

Concen: 4.970 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

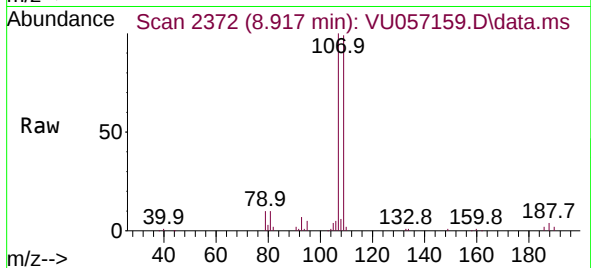
Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :



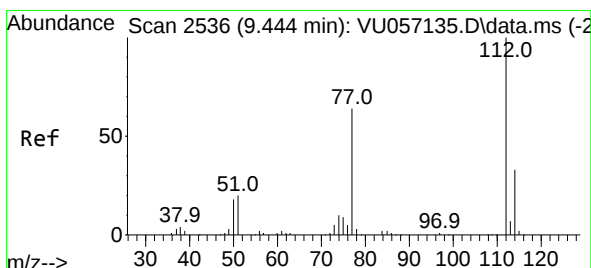
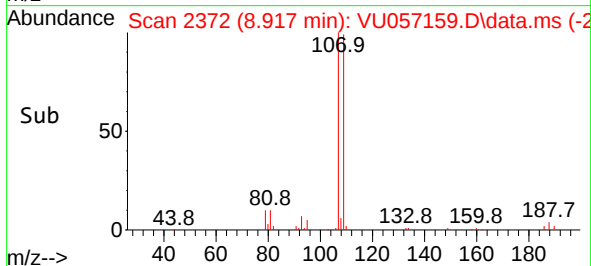
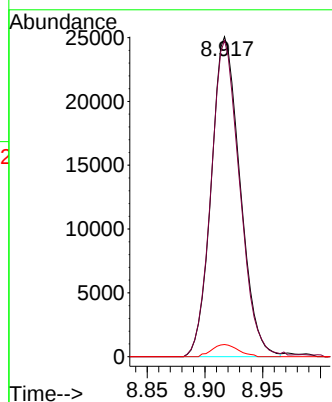
Tgt Ion:107 Resp: 43521

Ion Ratio Lower Upper

107 100

109 98.8 66.8 124.2

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 4.914 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

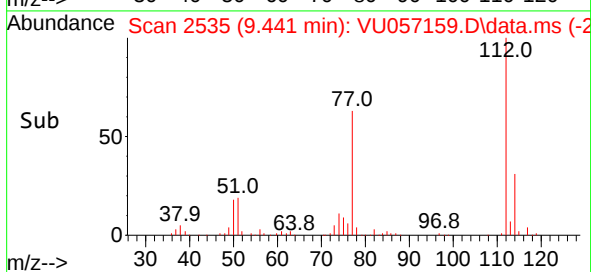
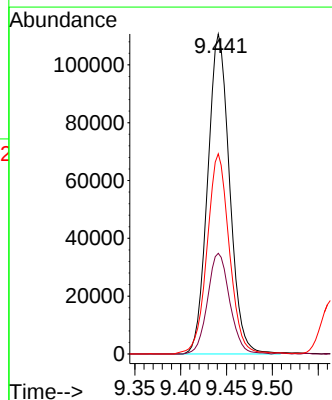
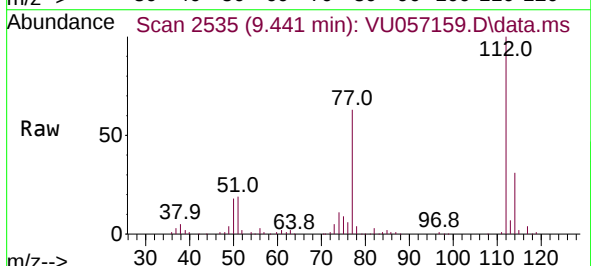
Tgt Ion:112 Resp: 184226

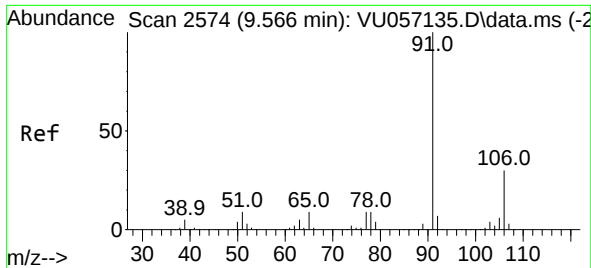
Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.1

77 62.5 52.2 78.2

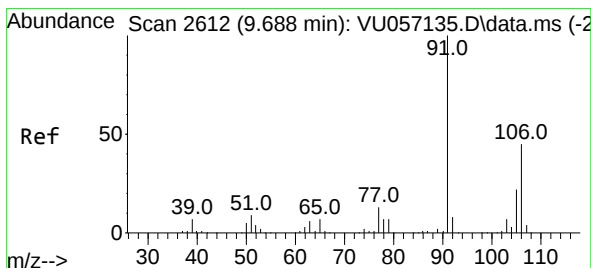
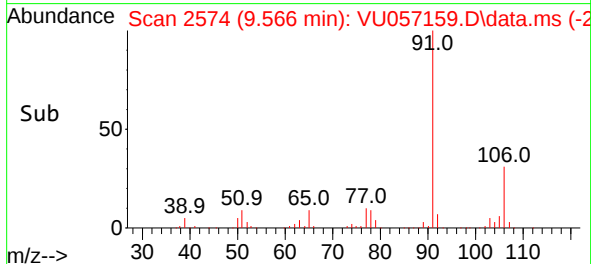
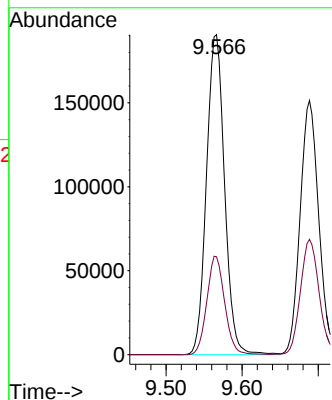
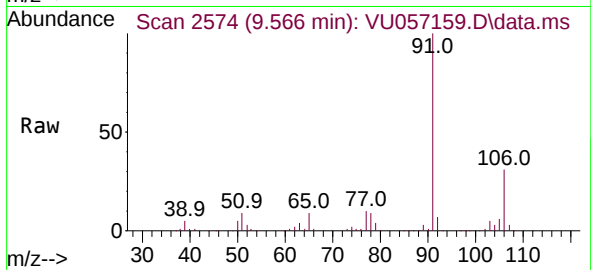




#52
Ethylbenzene
Concen: 4.857 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

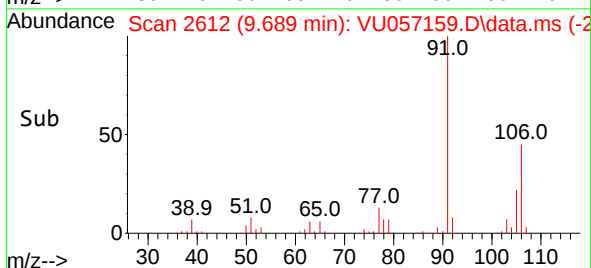
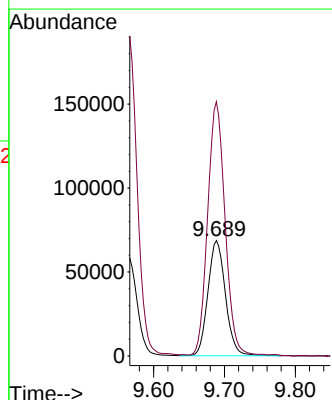
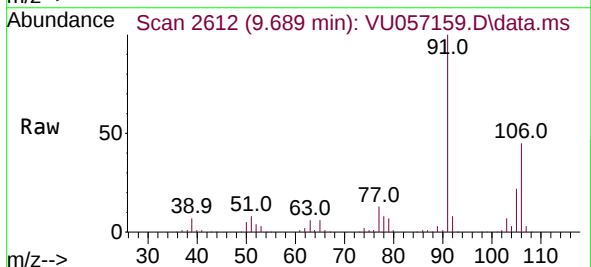
Instrument :
MSVOA_U
ClientSampleId :

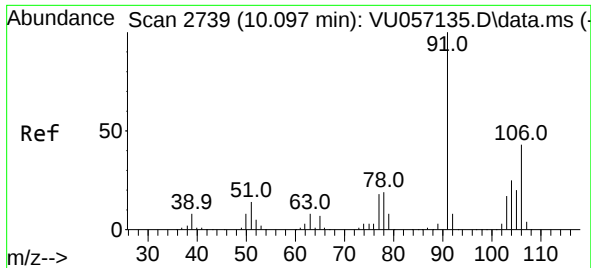
Tgt Ion: 91 Resp: 315244
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.2



#53
m,p-Xylene
Concen: 4.969 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:106 Resp: 117969
Ion Ratio Lower Upper
106 100
91 220.3 154.5 286.9

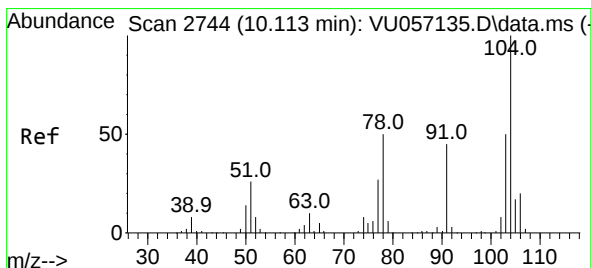
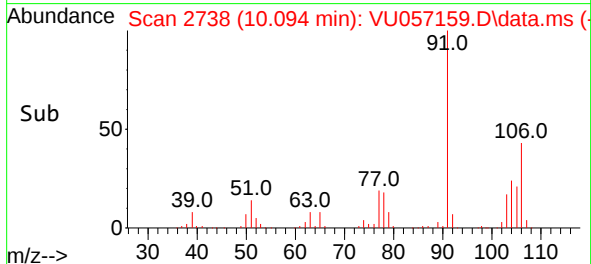
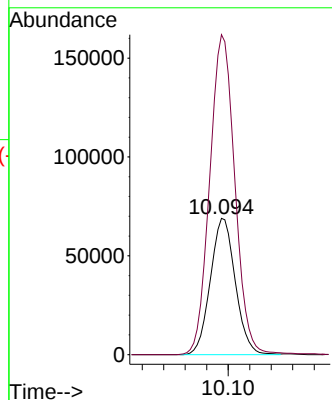
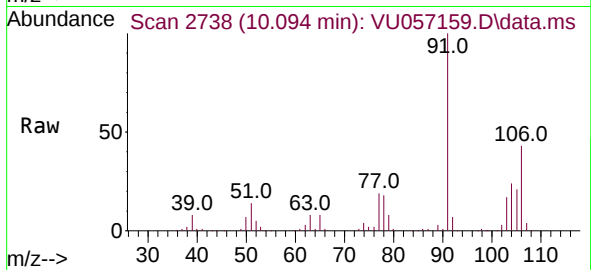




#54
o-Xylene
Concen: 4.850 ug/L
RT: 10.094 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

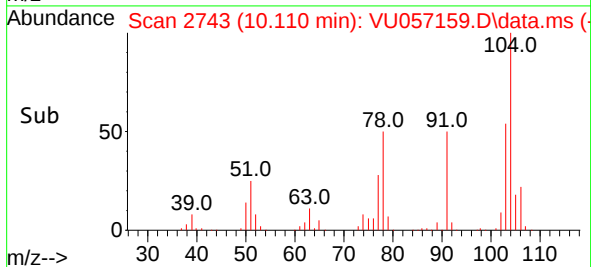
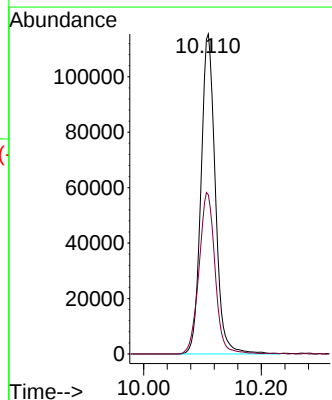
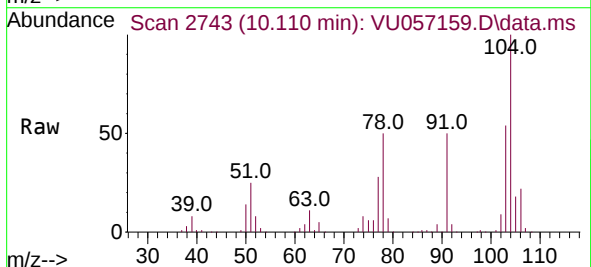
Instrument :
MSVOA_U
ClientSampleId :

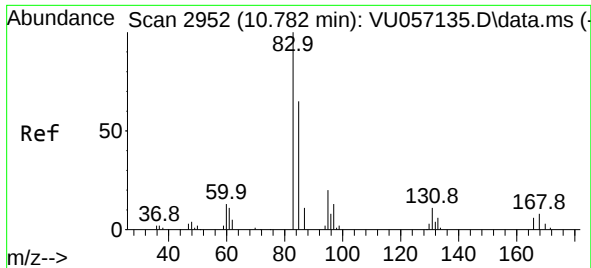
Tgt Ion:106 Resp: 111103
Ion Ratio Lower Upper
106 100
91 234.8 165.4 307.2



#55
Styrene
Concen: 5.182 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:104 Resp: 195774
Ion Ratio Lower Upper
104 100
78 49.7 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.017 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.006 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

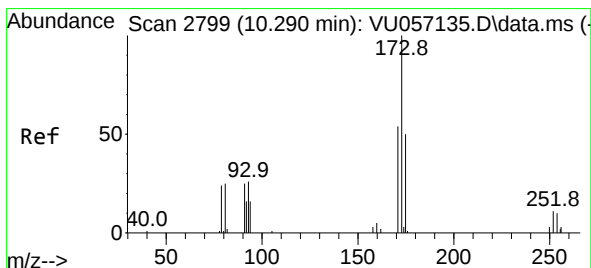
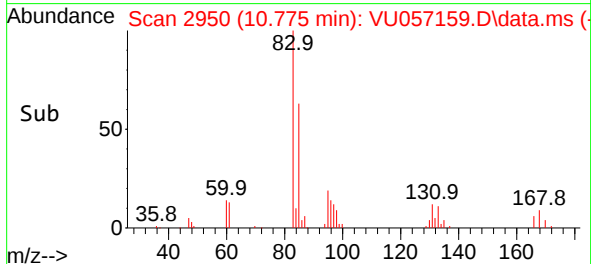
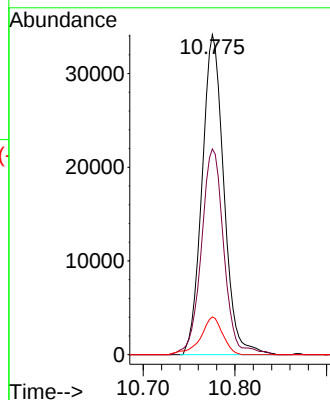
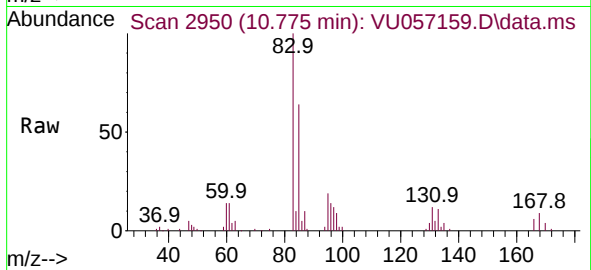
Tgt Ion: 83 Resp: 56429

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

131 11.8 7.0 10.6#



#59

Bromoform

Concen: 5.111 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.006 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

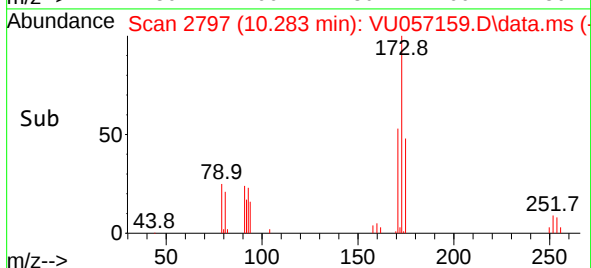
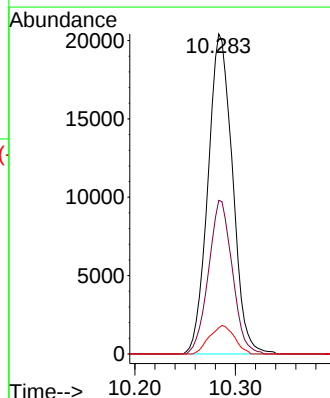
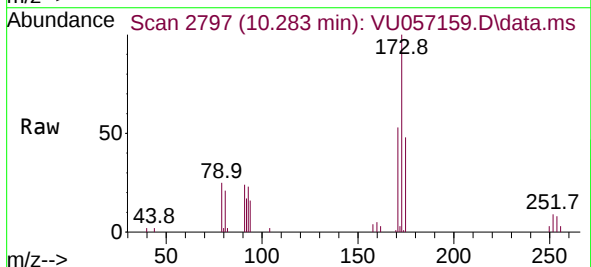
Tgt Ion:173 Resp: 34620

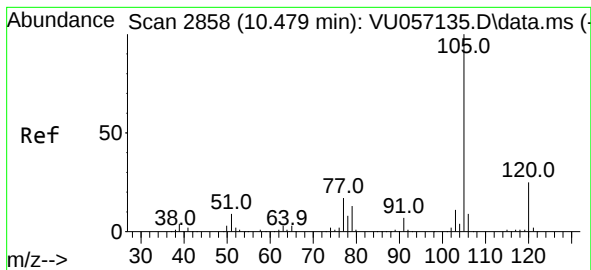
Ion Ratio Lower Upper

173 100

175 46.4 40.5 60.7

254 9.1 8.1 12.1





#60

Isopropylbenzene

Concen: 4.868 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

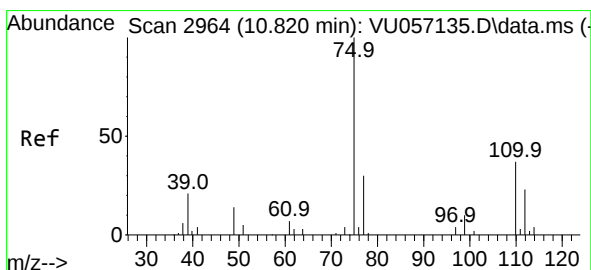
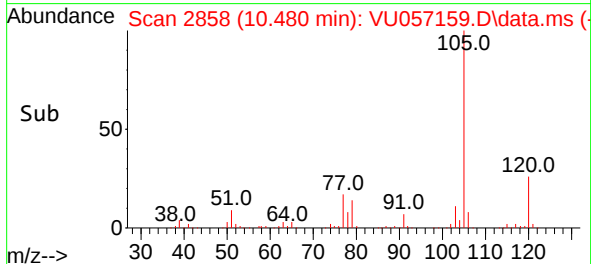
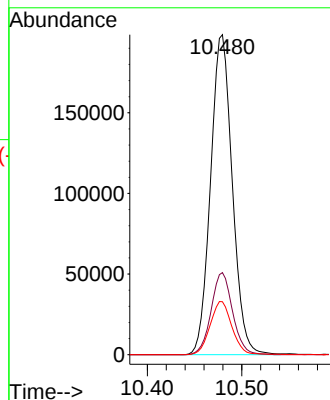
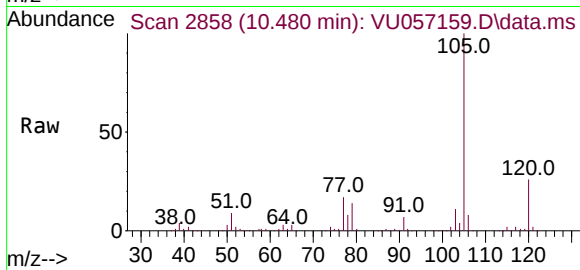
Tgt Ion:105 Resp: 316818

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8

77 16.7 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.784 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

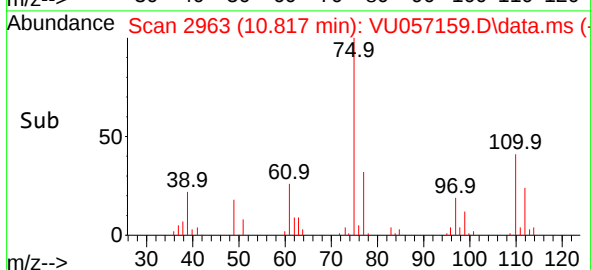
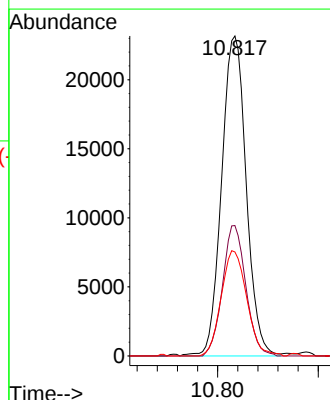
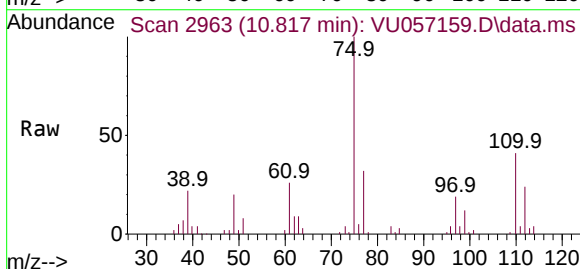
Tgt Ion: 75 Resp: 39341

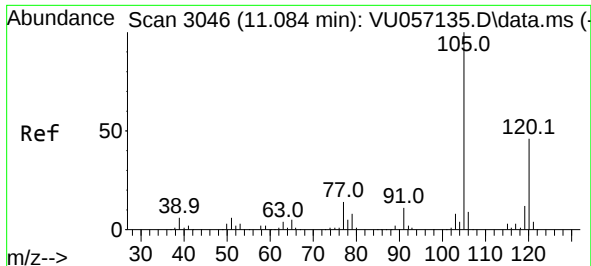
Ion Ratio Lower Upper

75 100

110 38.6 31.2 46.8

77 34.2 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.823 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

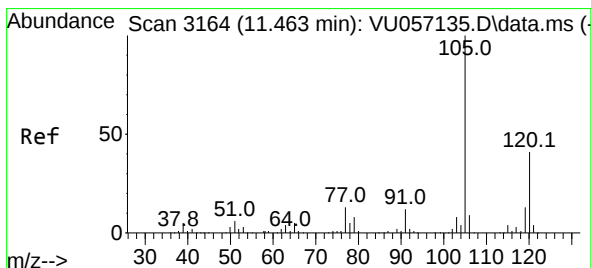
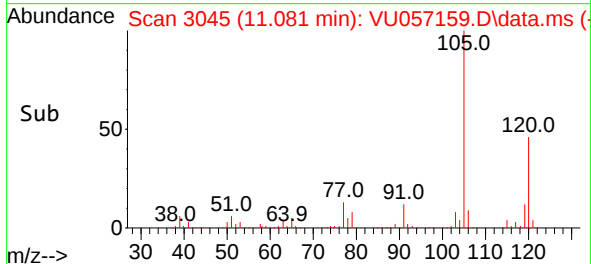
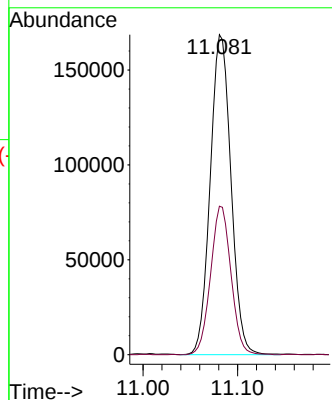
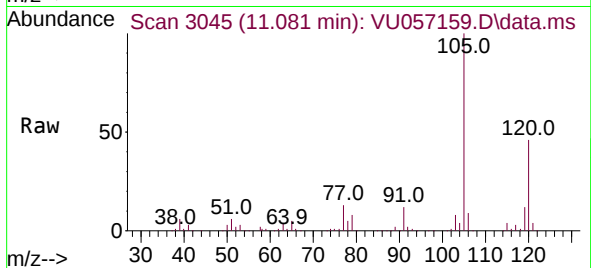
ClientSampleId :

Tgt Ion:105 Resp: 257183

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 4.878 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057159.D

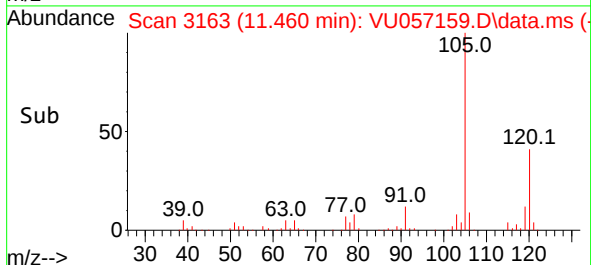
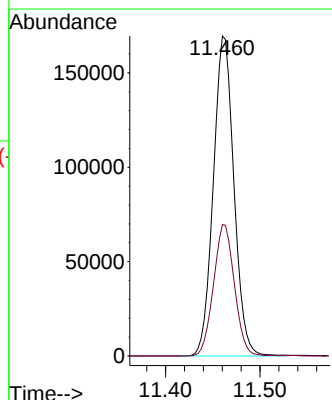
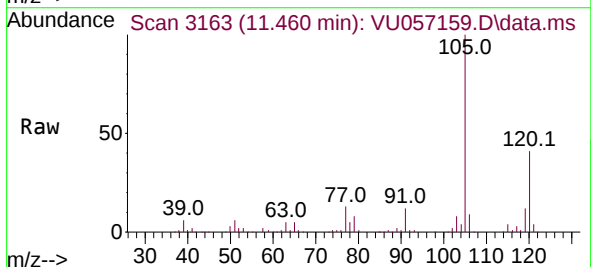
Acq: 22 Dec 2023 01:16

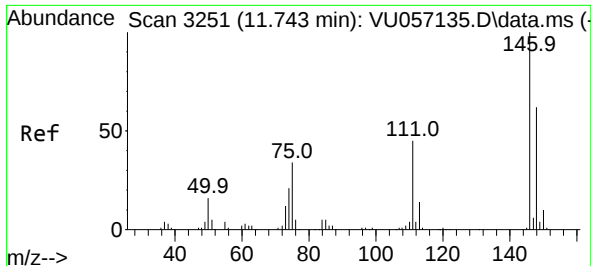
Tgt Ion:105 Resp: 256688

Ion Ratio Lower Upper

105 100

120 41.6 33.9 50.9

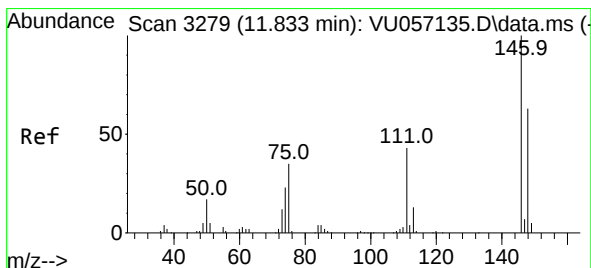
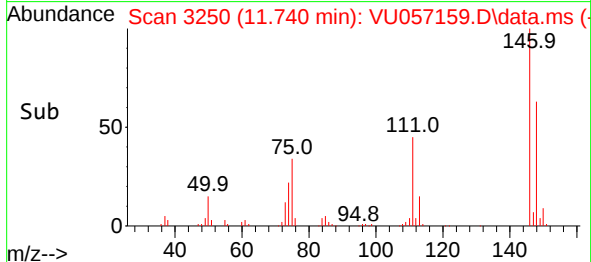
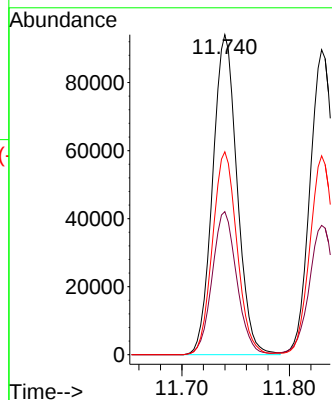
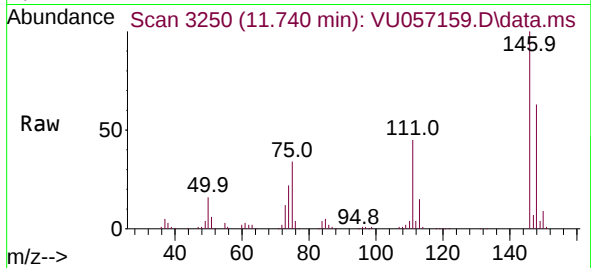




#64
1,3-Dichlorobenzene
Concen: 4.837 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

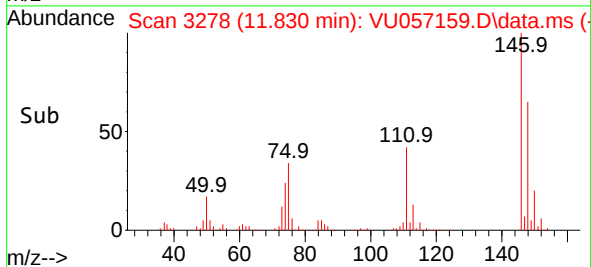
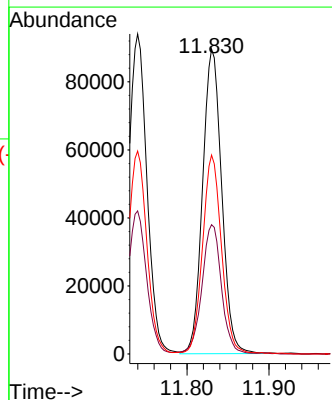
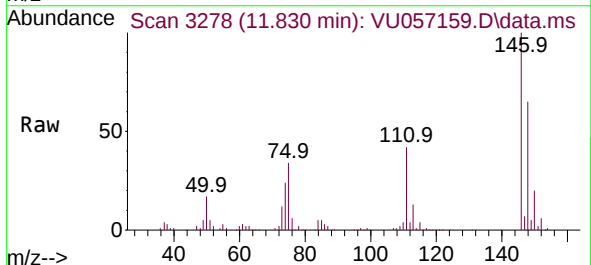
Instrument :
MSVOA_U
ClientSampleId :

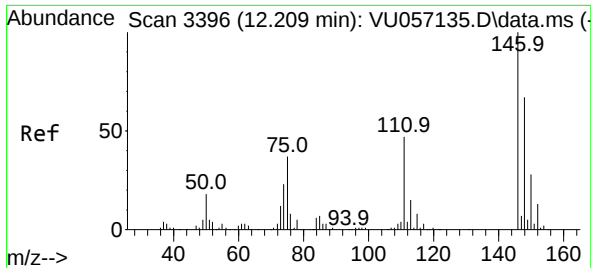
Tgt Ion:146 Resp: 148779
Ion Ratio Lower Upper
146 100
111 44.7 30.4 56.4
148 63.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.688 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:146 Resp: 145154
Ion Ratio Lower Upper
146 100
111 42.4 28.1 52.3
148 65.2 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 4.781 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :

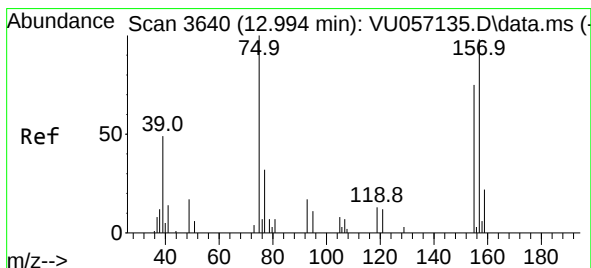
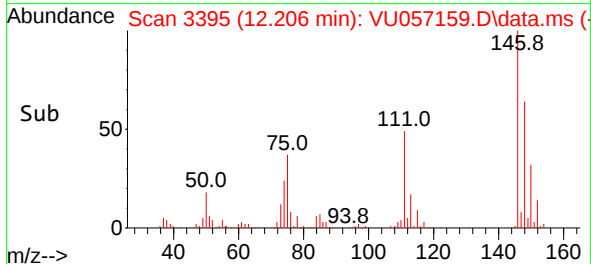
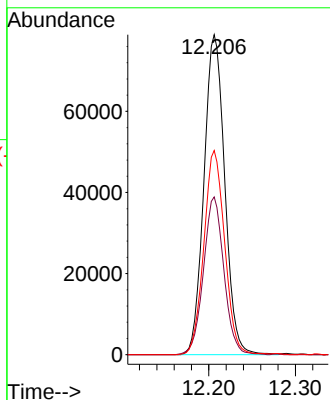
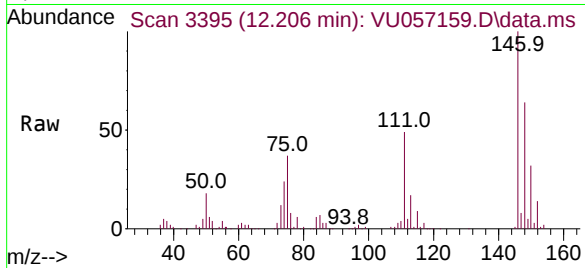
Tgt Ion:146 Resp: 131514

Ion Ratio Lower Upper

146 100

111 49.3 37.9 56.9

148 63.8 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.733 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

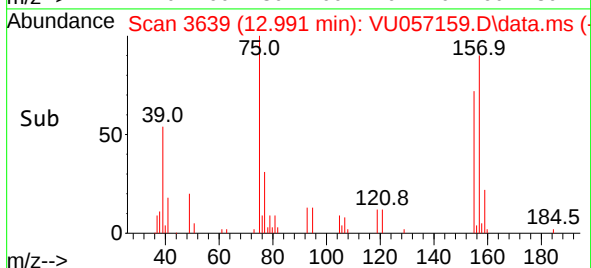
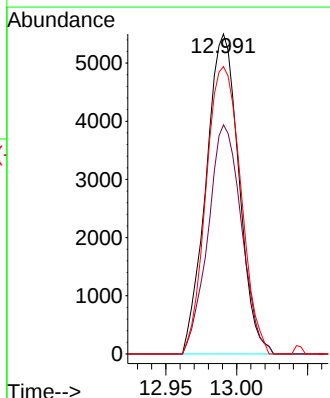
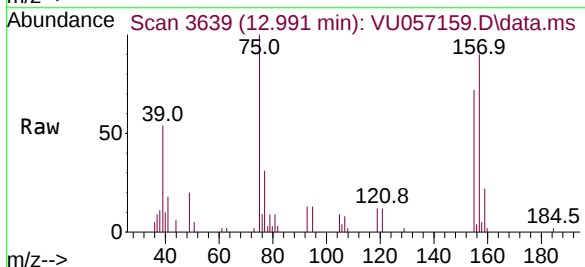
Tgt Ion: 75 Resp: 8828

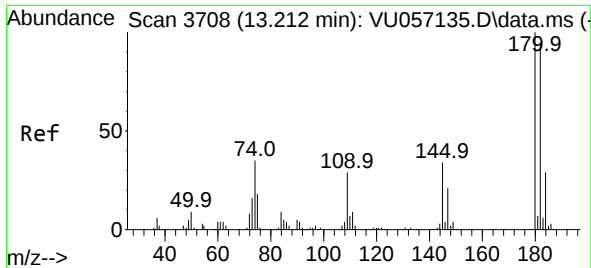
Ion Ratio Lower Upper

75 100

155 71.6 61.4 92.0

157 89.8 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 4.701 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

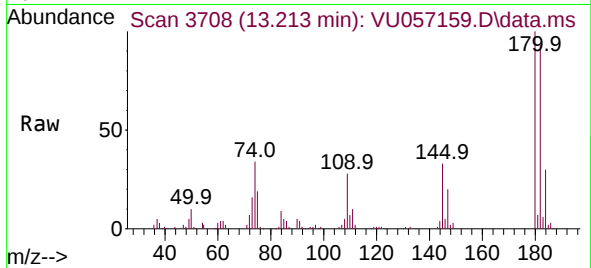
Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 107569

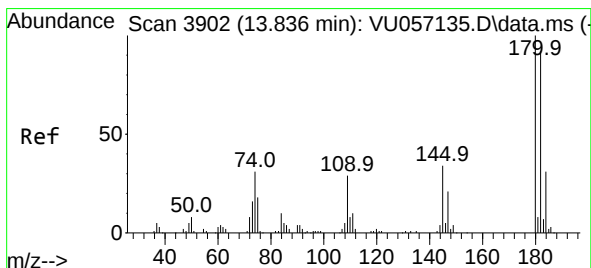
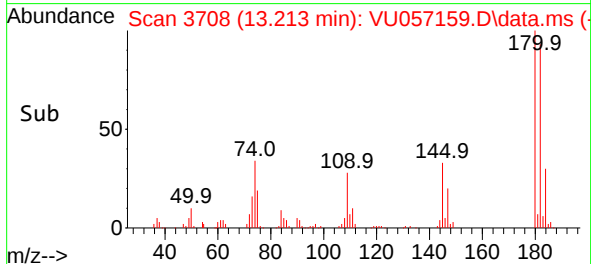
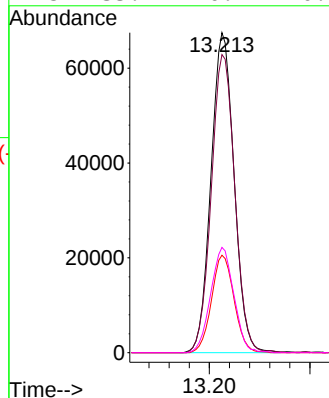
Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

184 29.7 24.2 36.2

145 33.1 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 4.438 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057159.D

Acq: 22 Dec 2023 01:16

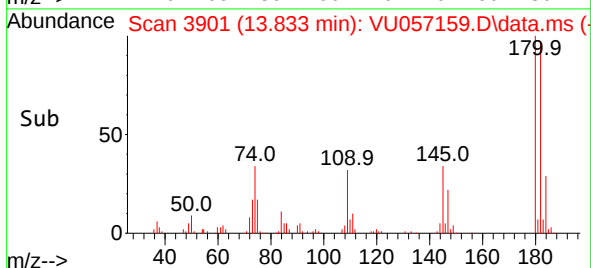
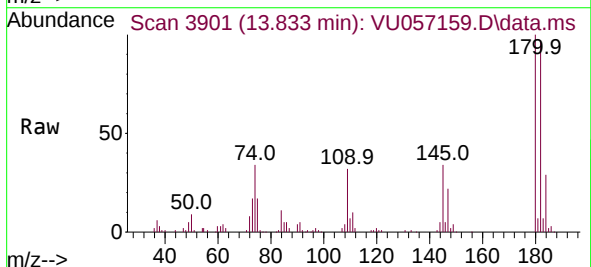
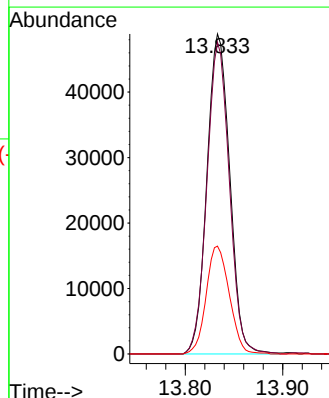
Tgt Ion:180 Resp: 79512

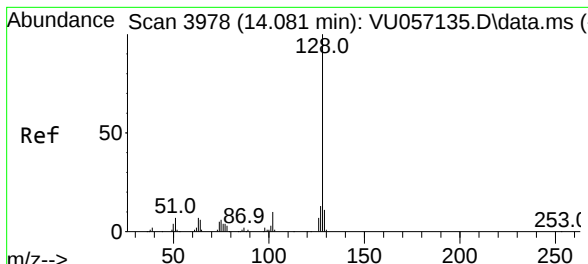
Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.0

145 34.1 27.7 41.5

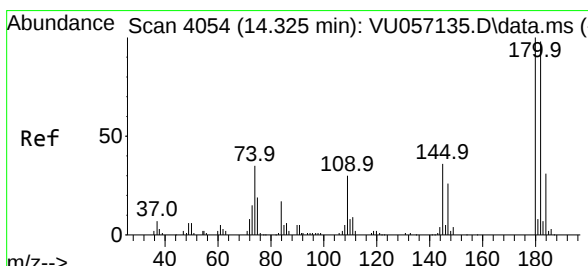
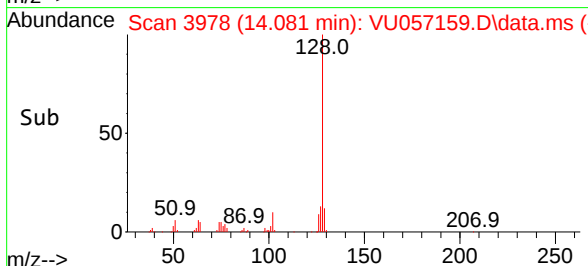
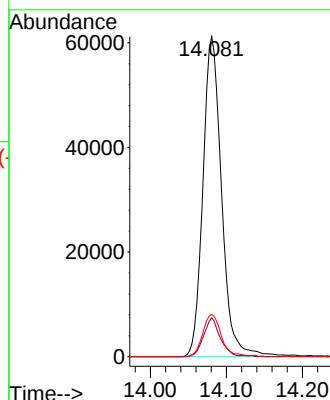
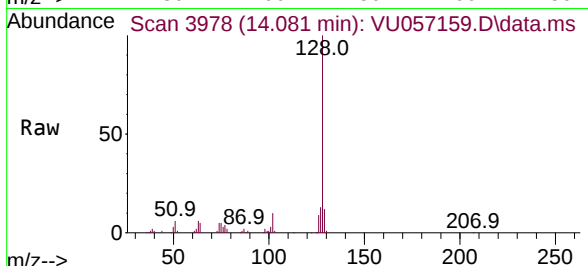




#71
Naphthalene
Concen: 4.599 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	104238
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.2	12.4
127	13.1	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.652 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU057159.D
Acq: 22 Dec 2023 01:16

Tgt Ion:	180	Resp:	65020
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.2	114.4
145	36.8	28.9	43.3

