

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057104.D
 Acq On : 20 Dec 2023 20:05
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 23:48:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 23:41:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	191853	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194003	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101001	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	63137	3.839	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.911	69	50622	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.563	65	28316	4.024	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.624	46	139486	42.950	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.900%
24) Chloroform-d	5.055	84	147892	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.695	65	70663	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.721	84	259305	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.685	67	78077	4.145	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.891	98	241936	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	32323	4.425	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	119886	43.519	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	62470	4.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	86185	4.341	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	93242	4.638	ug/L	98
3) Chloromethane	1.515	50	95744	4.844	ug/L	98
5) Vinyl chloride	1.602	62	95874	4.884	ug/L	98
6) Bromomethane	1.853	94	51438	4.444	ug/L	96
8) Chloroethane	1.930	64	54919	4.776	ug/L	95
9) Trichlorofluoromethane	2.133	101	156236	5.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82449	4.859	ug/L	98
12) 1,1-Dichloroethene	2.576	96	70628	4.534	ug/L	90
13) Acetone	2.631	43	98959	50.000	ug/L	95
14) Carbon disulfide	2.789	76	216222	4.001	ug/L	99
15) Methyl Acetate	2.952	43	25015	4.643	ug/L	100
16) Methylene chloride	3.039	84	82099	4.838	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	170922	4.949	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	73444	4.651	ug/L	99
19) 1,1-Dichloroethane	3.859	63	146989	4.839	ug/L	98
21) 2-Butanone	4.702	43	152415	45.665	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	80044	4.659	ug/L	97
23) Bromochloromethane	4.965	128	35638	4.955	ug/L	87
25) Chloroform	5.078	83	162959	5.121	ug/L	97

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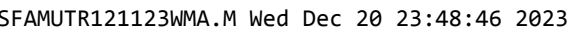
Instrument :
 MSVOA_U
 ClientSampleId :

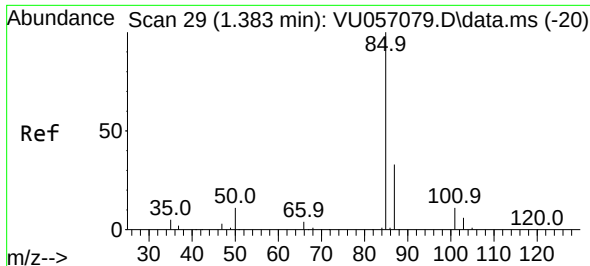
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	97805	5.197	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	148195	5.284	ug/L	99
30) Cyclohexane	5.380	56	103661	3.939	ug/L	94
31) Carbon tetrachloride	5.518	117	128023	5.252	ug/L	98
33) Benzene	5.769	78	319505	4.686	ug/L	100
34) Trichloroethene	6.538	95	89445	4.782	ug/L	99
35) Methylcyclohexane	6.756	83	115240	4.175	ug/L	100
37) 1,2-Dichloropropane	6.785	63	82493	4.730	ug/L	99
38) Bromodichloromethane	7.100	83	115838	5.208	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	119029	4.683	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	382287	46.160	ug/L	97
42) Toluene	7.962	91	348051	4.934	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	102005	4.896	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	57058	4.839	ug/L	94
47) Tetrachloroethene	8.547	164	68684	5.247	ug/L	95
48) 2-Hexanone	8.679	43	280277	47.517	ug/L	98
49) Dibromochloromethane	8.804	129	70113	5.173	ug/L	96
50) 1,2-Dibromoethane	8.917	107	55144	5.039	ug/L	97
51) Chlorobenzene	9.441	112	216147	4.807	ug/L	99
52) Ethylbenzene	9.563	91	378861	4.868	ug/L	99
53) m,p-Xylene	9.689	106	143819	4.960	ug/L	98
54) o-Xylene	10.094	106	134694	4.876	ug/L	100
55) Styrene	10.110	104	233824	5.155	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	71951	5.051	ug/L #	99
59) Bromoform	10.283	173	40457	4.906	ug/L	98
60) Isopropylbenzene	10.480	105	373674	4.683	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	49853	4.597	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	296994	4.554	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	300506	4.639	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	174649	4.627	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	171482	4.614	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	158747	4.616	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	11092	5.123	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	121515	4.260	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	89359	3.956	ug/L	97
71) Naphthalene	14.081	128	113612	3.437	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	73724	3.845	ug/L	99

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

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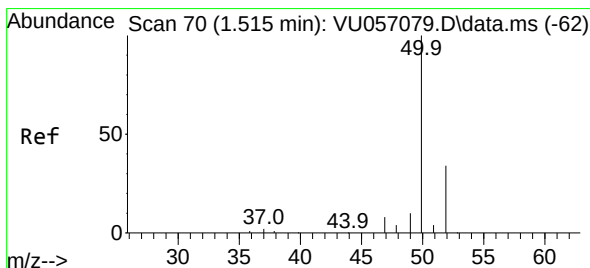
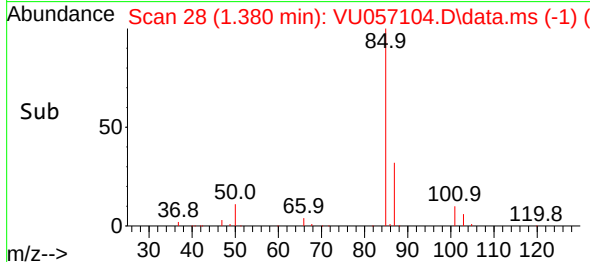
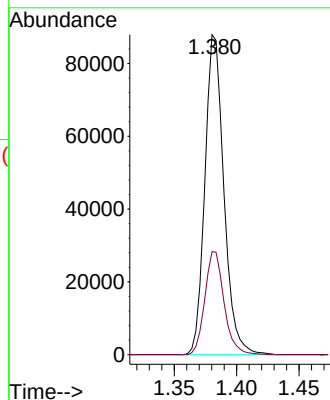
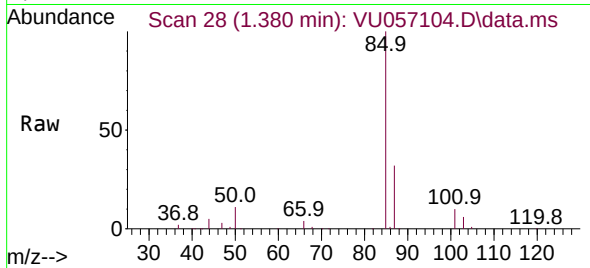




#2
 Dichlorodifluoromethane
 Concen: 4.638 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

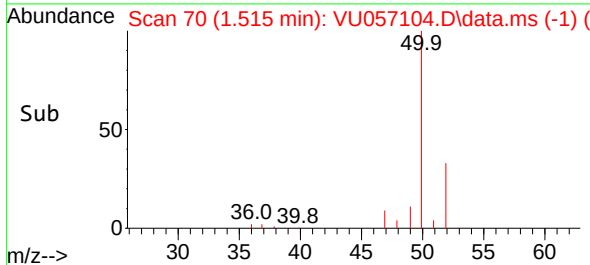
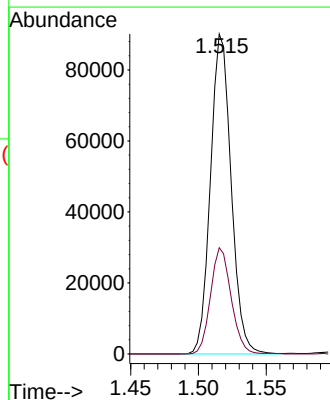
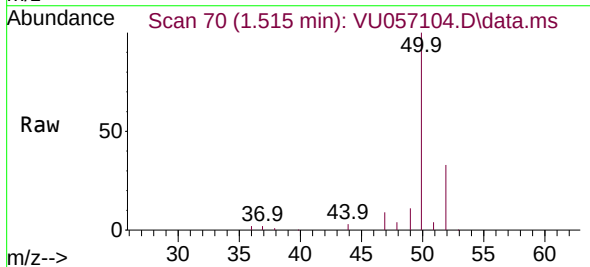
Instrument :
 MSVOA_U
 ClientSampleId :

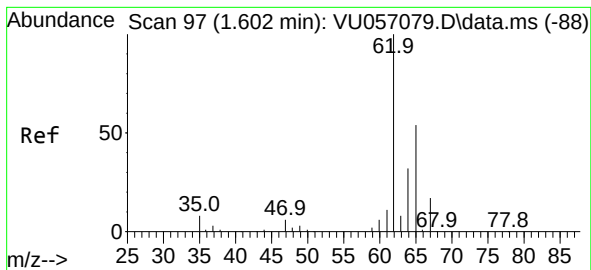
Tgt Ion: 85 Resp: 93242
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2



#3
 Chloromethane
 Concen: 4.844 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

Tgt Ion: 50 Resp: 95744
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.5 41.7





#5

Vinyl chloride

Concen: 4.884 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

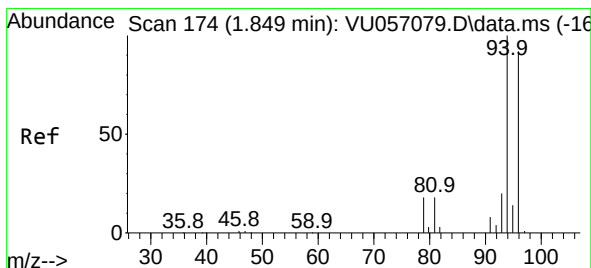
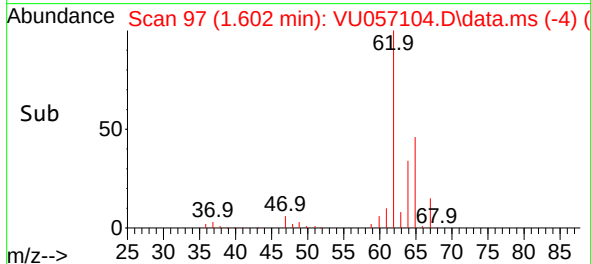
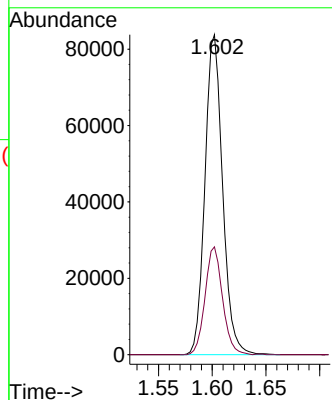
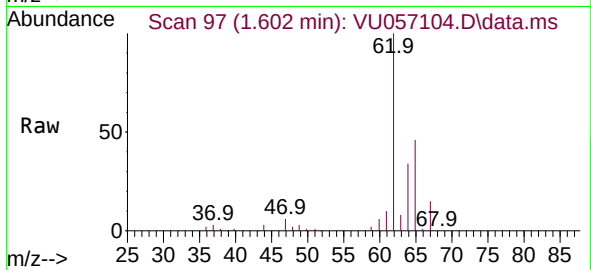
ClientSampleId :

Tgt Ion: 62 Resp: 95874

Ion Ratio Lower Upper

62 100

64 33.7 22.8 42.4



#6

Bromomethane

Concen: 4.444 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.003 min

Lab File: VU057104.D

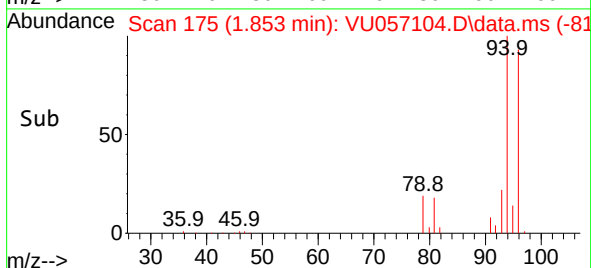
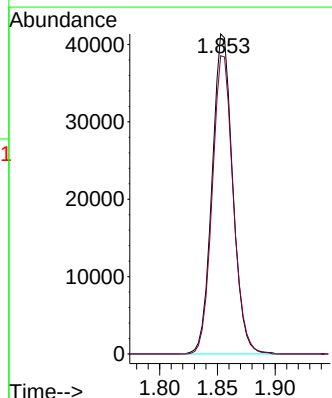
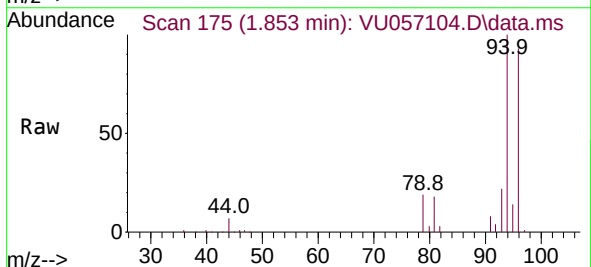
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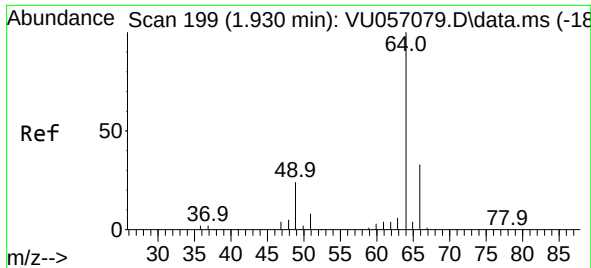
Tgt Ion: 94 Resp: 51438

Ion Ratio Lower Upper

94 100

96 93.2 67.8 125.8

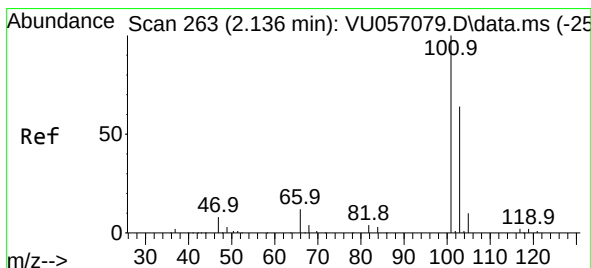
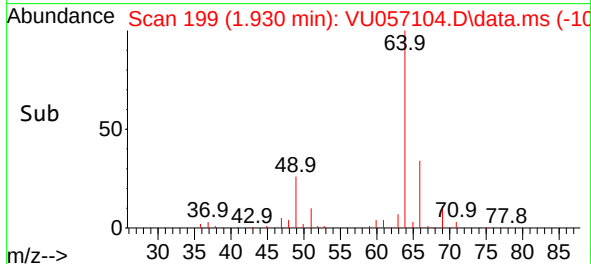
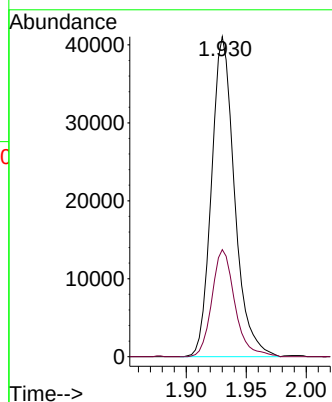
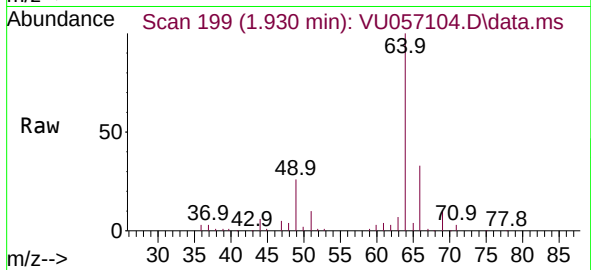




#8
Chloroethane
Concen: 4.776 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

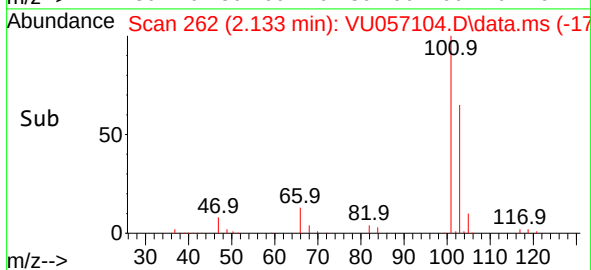
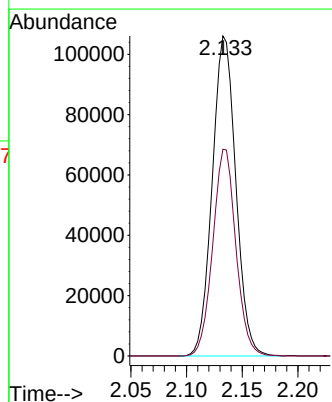
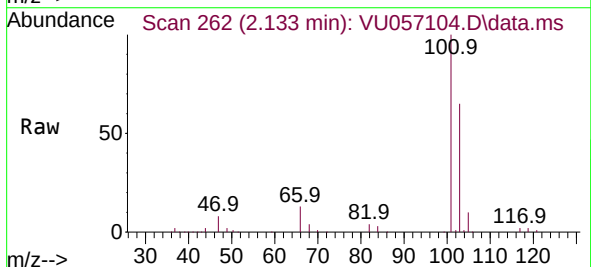
Instrument :
MSVOA_U
ClientSampleId :

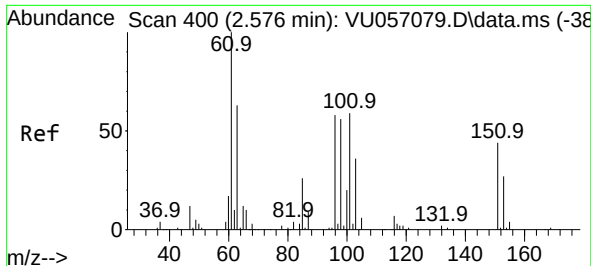
Tgt Ion: 64 Resp: 54919
Ion Ratio Lower Upper
64 100
66 33.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.647 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion:101 Resp: 156236
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.2

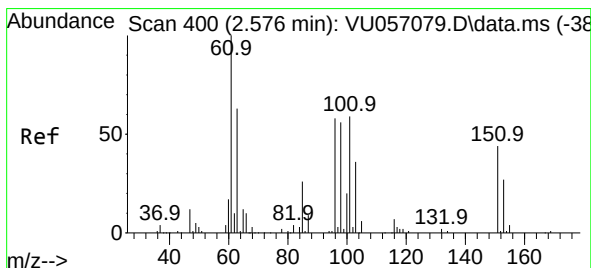
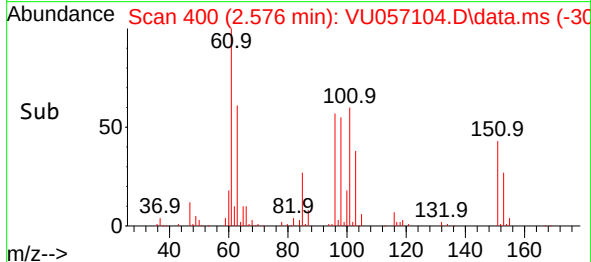
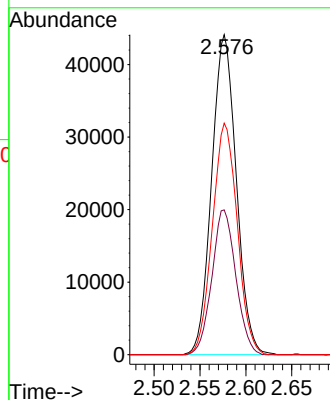
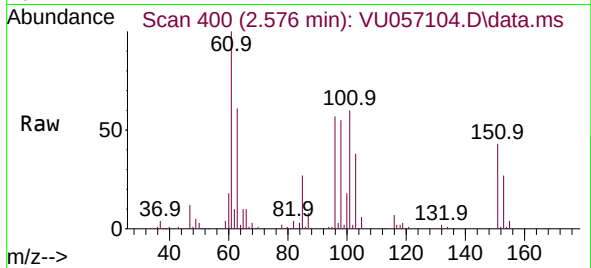




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.859 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

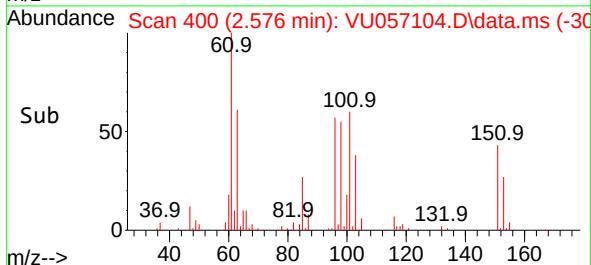
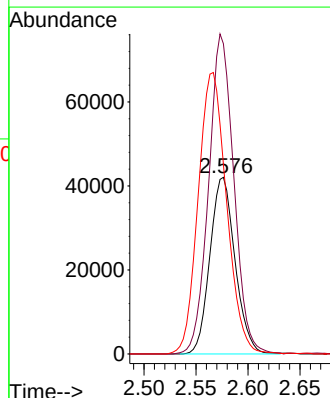
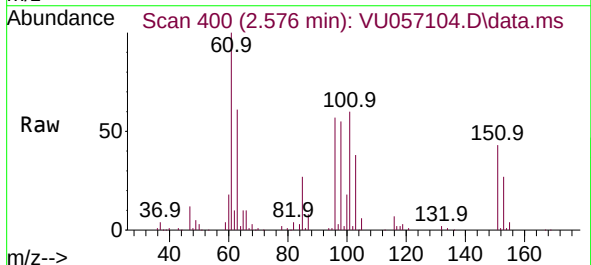
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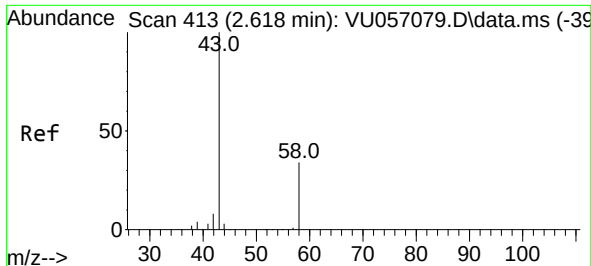
Tgt Ion:101 Resp: 82449
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.2 52.8
 151 73.0 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.534 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

Tgt Ion: 96 Resp: 70628
 Ion Ratio Lower Upper
 96 100
 61 175.6 119.0 221.0
 63 107.5 88.7 164.7





#13

Acetone

Concen: 50.000 ug/L

RT: 2.631 min Scan# 413

Delta R.T. 0.013 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

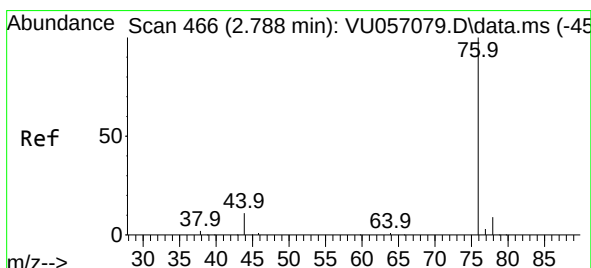
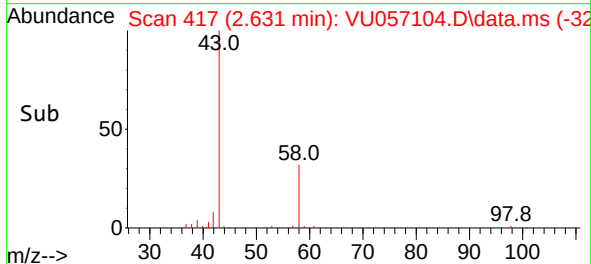
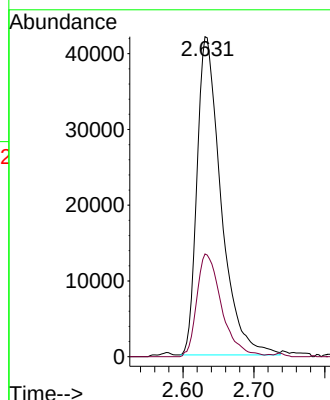
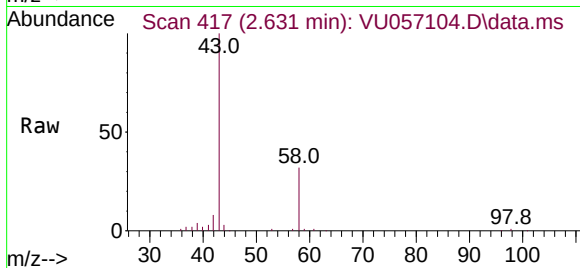
ClientSampleId :

Tgt Ion: 43 Resp: 98959

Ion Ratio Lower Upper

43 100

58 33.2 0.0 72.6



#14

Carbon disulfide

Concen: 4.001 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057104.D

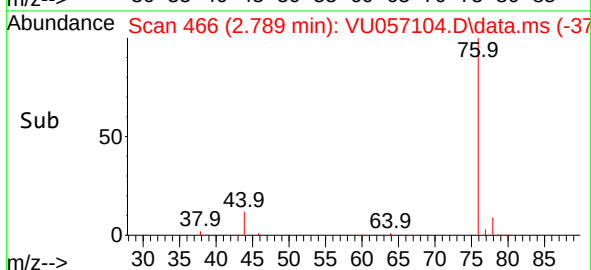
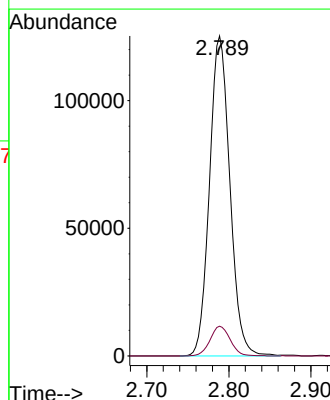
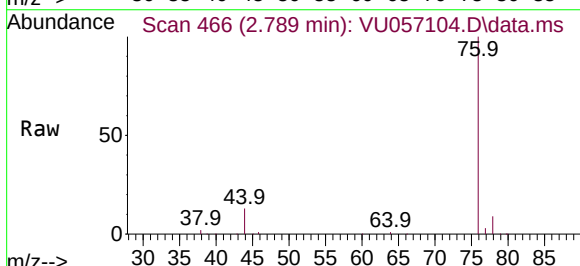
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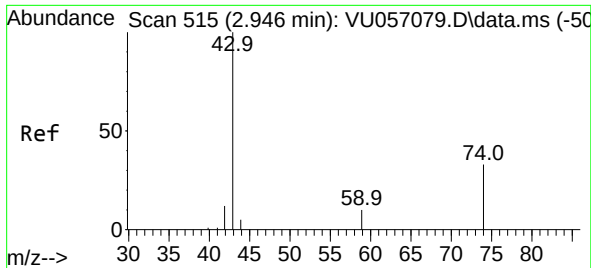
Tgt Ion: 76 Resp: 216222

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

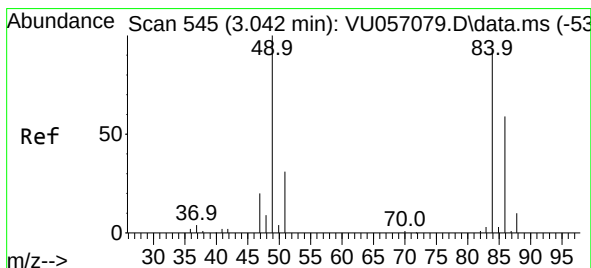
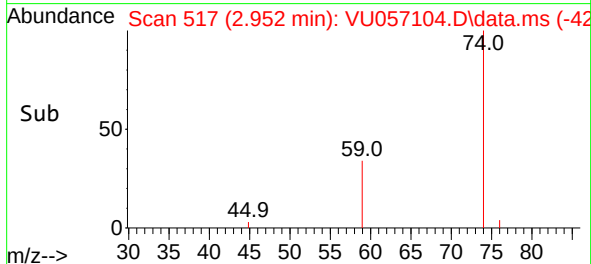
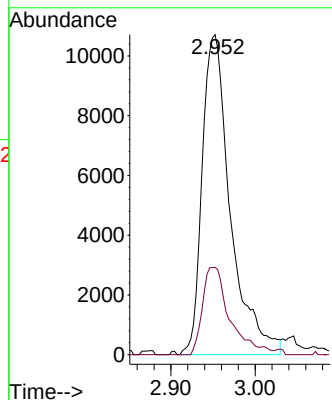
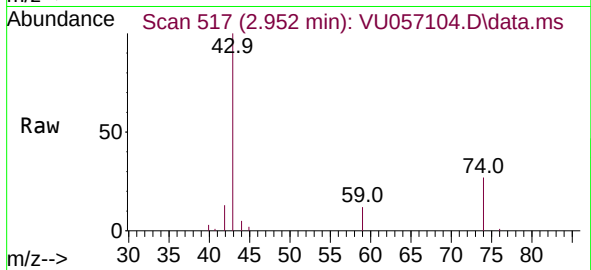




#15
Methyl Acetate
Concen: 4.643 ug/L
RT: 2.952 min Scan# 515
Delta R.T. 0.007 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

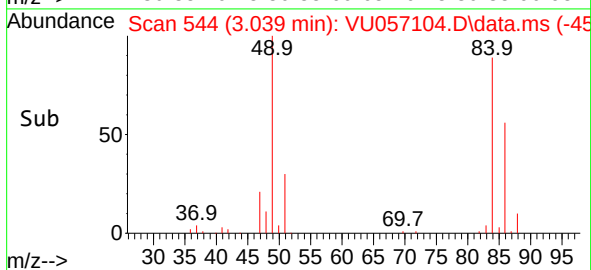
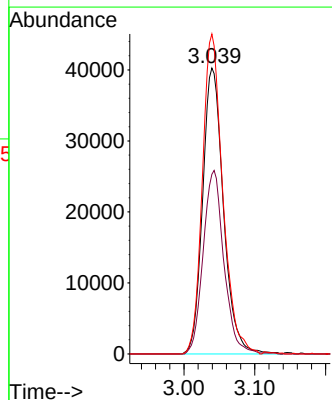
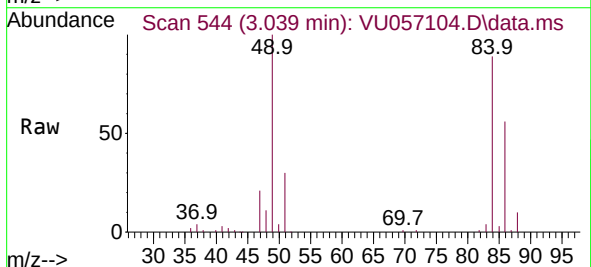
Instrument :
MSVOA_U
ClientSampleId :

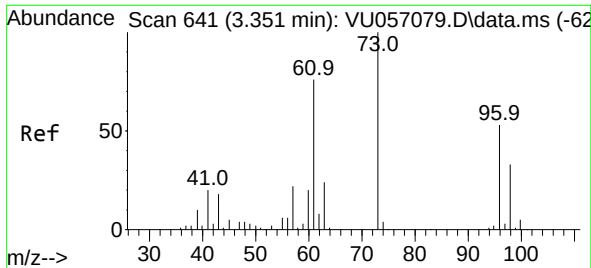
Tgt Ion: 43 Resp: 25015
Ion Ratio Lower Upper
43 100
74 26.3 21.0 31.6



#16
Methylene chloride
Concen: 4.838 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion: 84 Resp: 82099
Ion Ratio Lower Upper
84 100
86 62.9 43.6 81.0
49 111.9 80.6 149.6

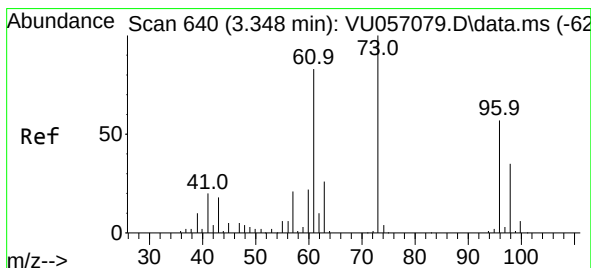
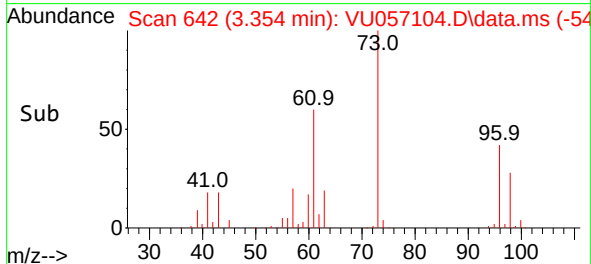
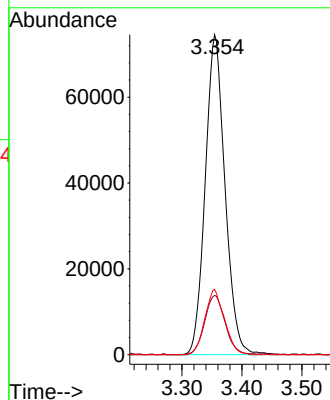
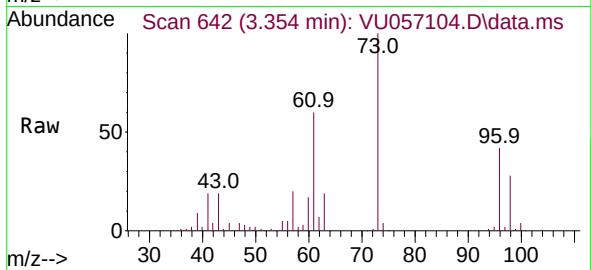




#17
Methyl tert-butyl Ether
Concen: 4.949 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

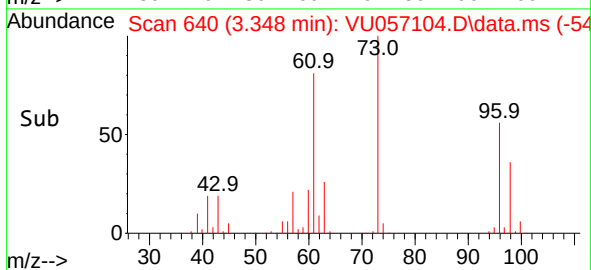
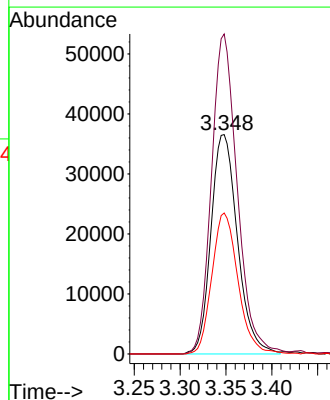
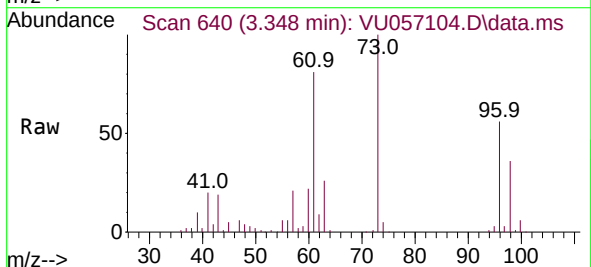
Instrument :
MSVOA_U
ClientSampleId :

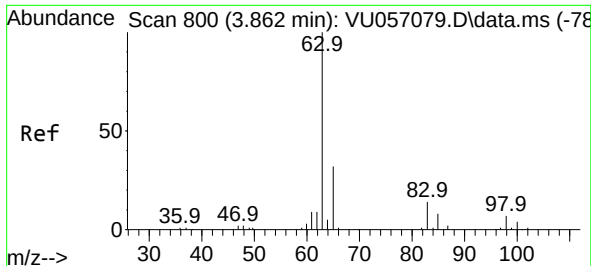
Tgt Ion: 73 Resp: 170922
Ion Ratio Lower Upper
73 100
43 19.3 14.4 21.6
57 20.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.651 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion: 96 Resp: 73444
Ion Ratio Lower Upper
96 100
61 145.9 101.8 189.0
98 64.3 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.839 ug/L

RT: 3.859 min Scan# 79

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :

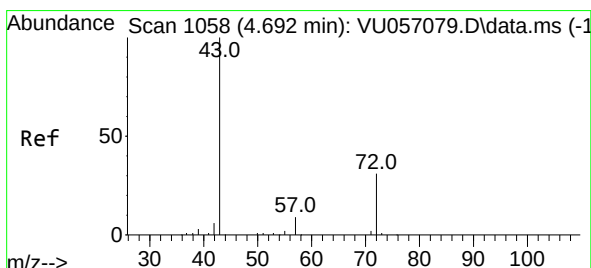
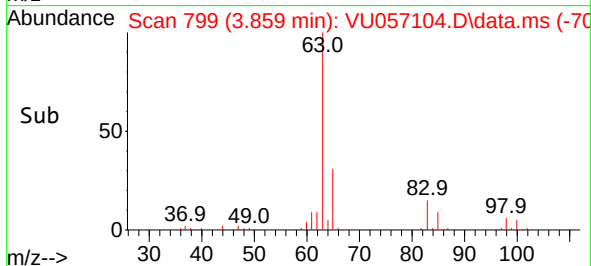
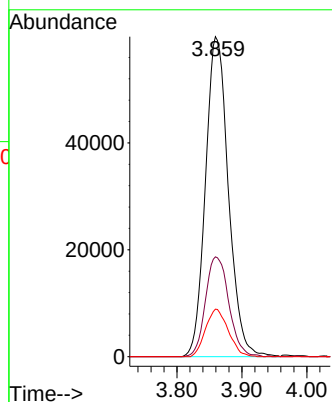
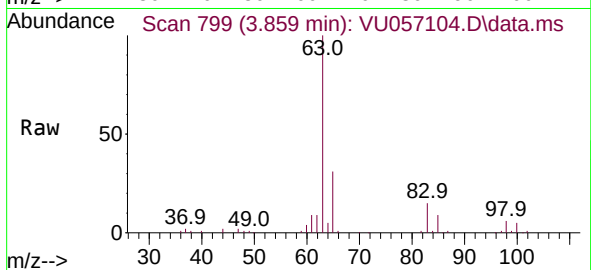
Tgt Ion: 63 Resp: 146989

Ion Ratio Lower Upper

63 100

65 31.2 22.9 42.5

83 14.9 10.1 18.9



#21

2-Butanone

Concen: 45.665 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. 0.010 min

Lab File: VU057104.D

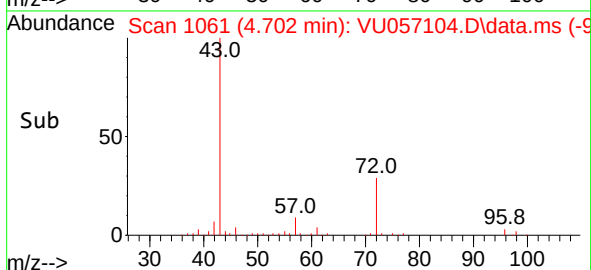
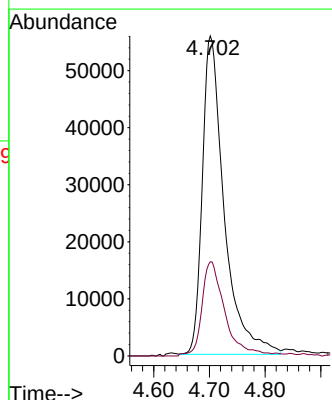
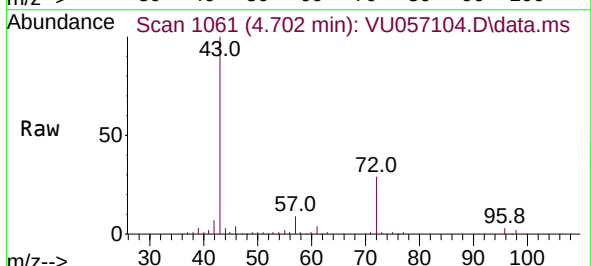
Acq: 20 Dec 2023 20:05

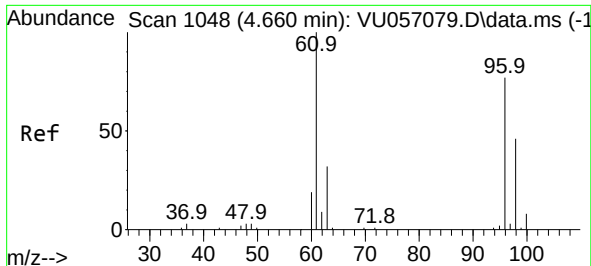
Tgt Ion: 43 Resp: 152415

Ion Ratio Lower Upper

43 100

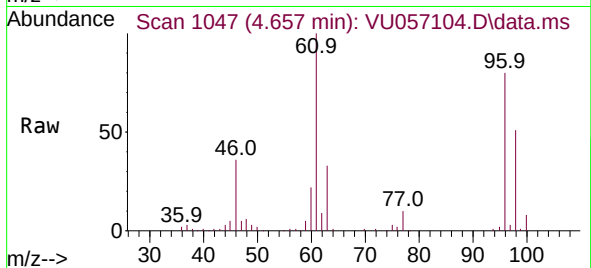
72 30.8 14.6 43.8



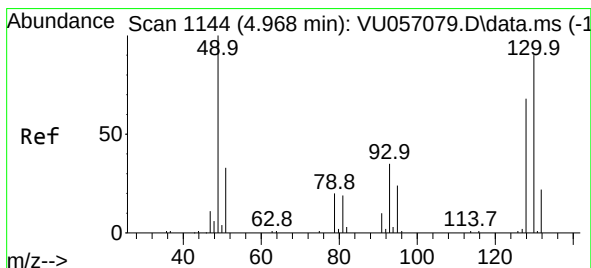
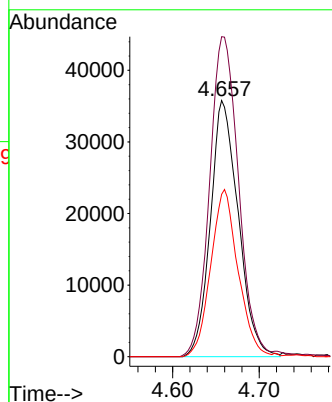
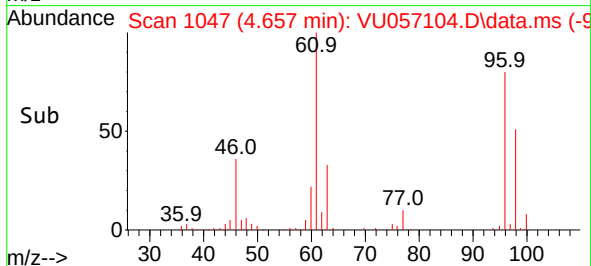


#22
 cis-1,2-Dichloroethene
 Concen: 4.659 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

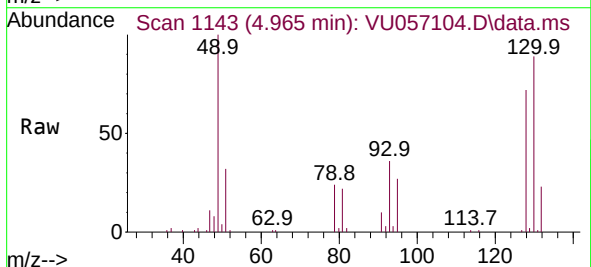
Instrument :
 MSVOA_U
 ClientSampleId :



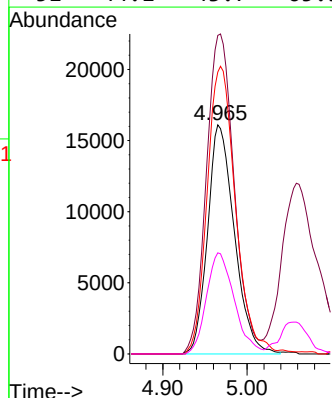
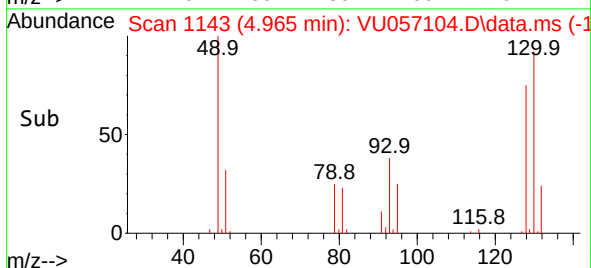
Tgt Ion: 96 Resp: 80044
 Ion Ratio Lower Upper
 96 100
 61 124.9 91.3 169.6
 98 63.4 44.2 82.0

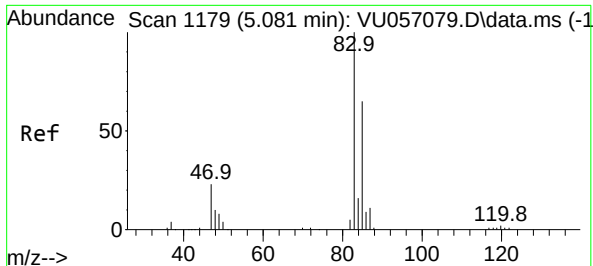


#23
 Bromochloromethane
 Concen: 4.955 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05



Tgt Ion: 128 Resp: 35638
 Ion Ratio Lower Upper
 128 100
 49 139.0 113.8 211.3
 130 123.0 90.6 168.3
 51 44.1 43.7 65.5





#25

Chloroform

Concen: 5.121 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

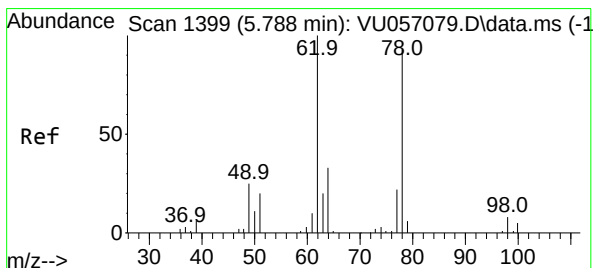
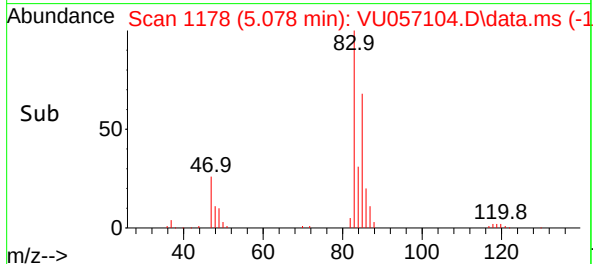
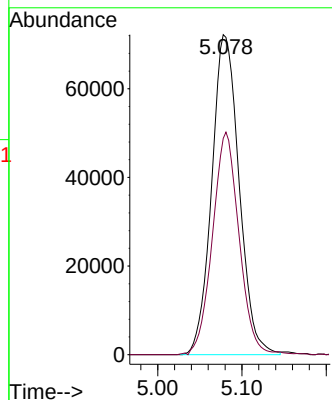
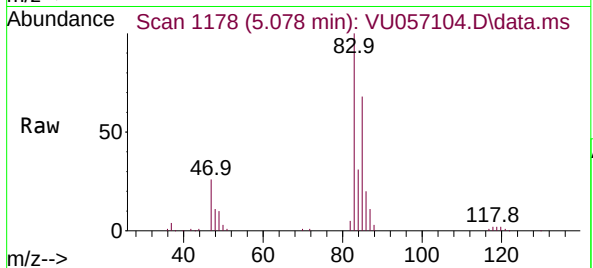
ClientSampleId :

Tgt Ion: 83 Resp: 162959

Ion Ratio Lower Upper

83 100

85 67.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.197 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU057104.D

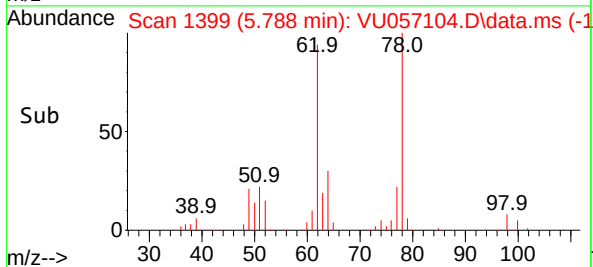
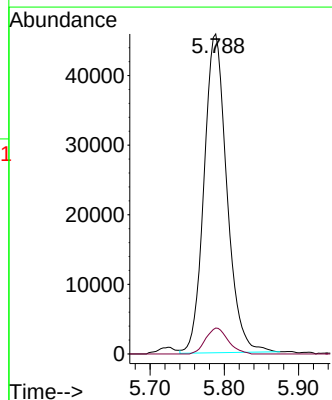
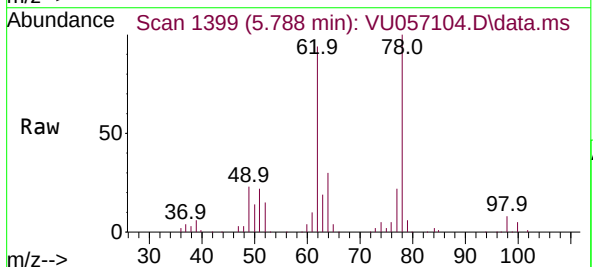
Acq: 20 Dec 2023 20:05

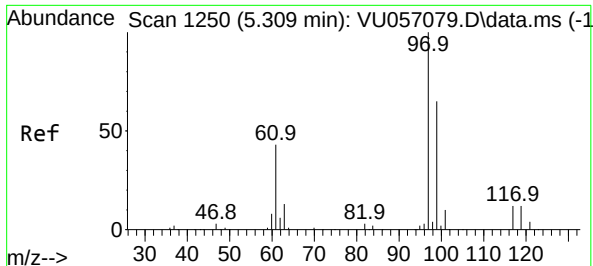
Tgt Ion: 62 Resp: 97805

Ion Ratio Lower Upper

62 100

98 8.1 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.284 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :

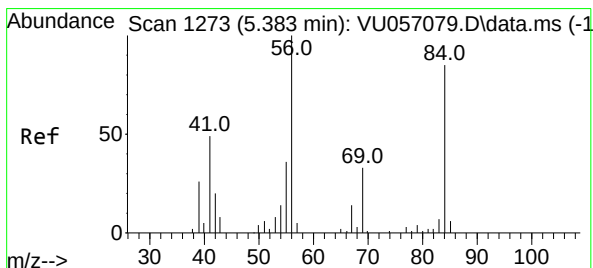
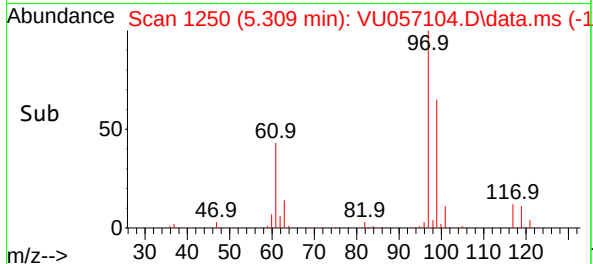
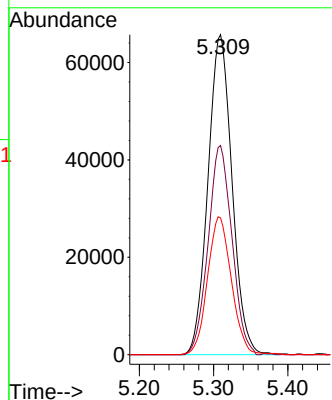
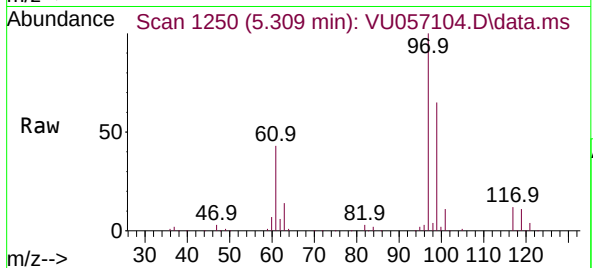
Tgt Ion: 97 Resp: 148195

Ion Ratio Lower Upper

97 100

99 64.7 52.5 78.7

61 42.6 34.2 51.2



#30

Cyclohexane

Concen: 3.939 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

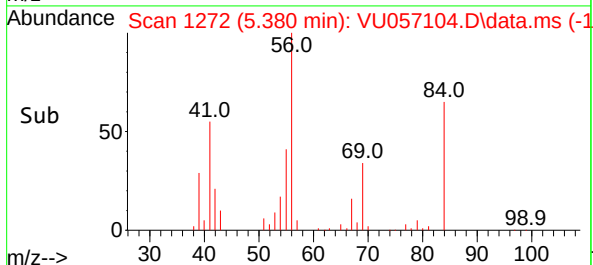
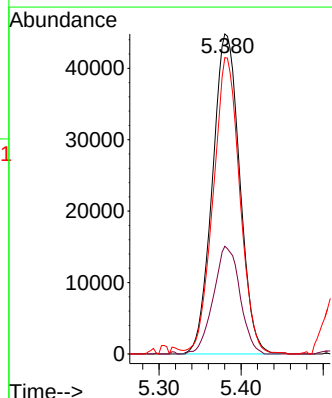
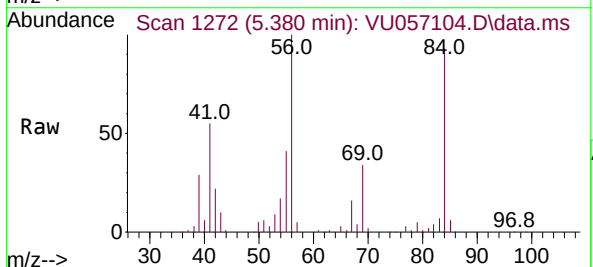
Tgt Ion: 56 Resp: 103661

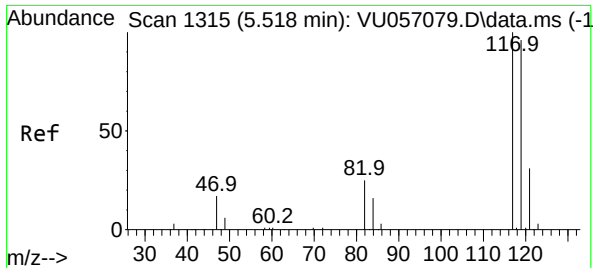
Ion Ratio Lower Upper

56 100

69 32.7 24.9 37.3

84 90.6 67.6 101.4

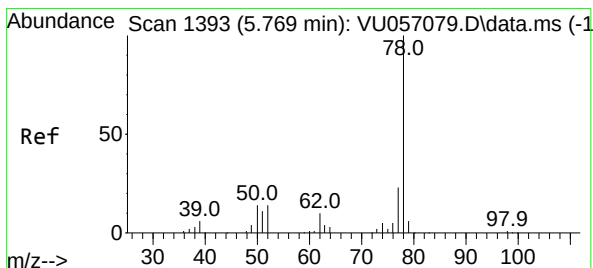
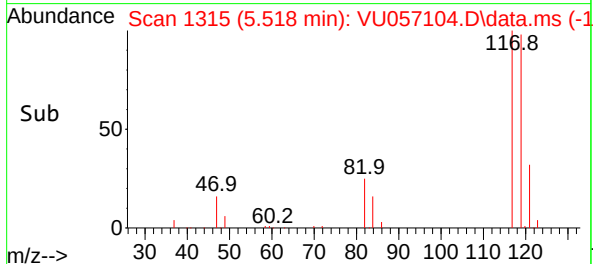
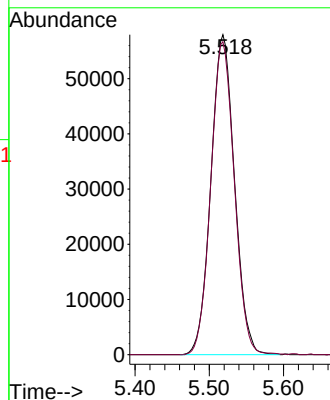
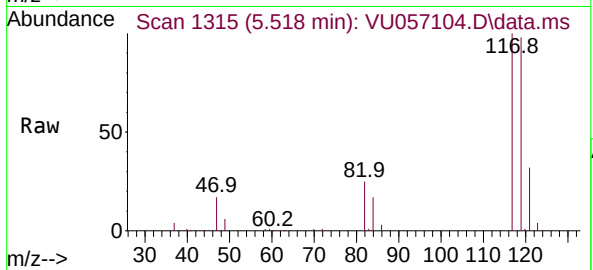




#31
Carbon tetrachloride
Concen: 5.252 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

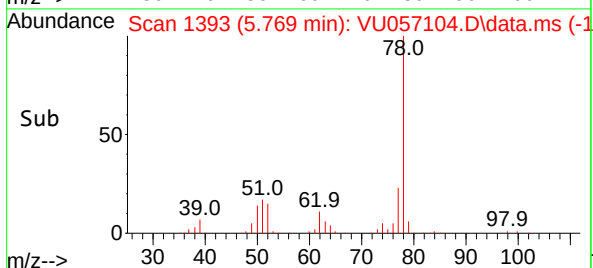
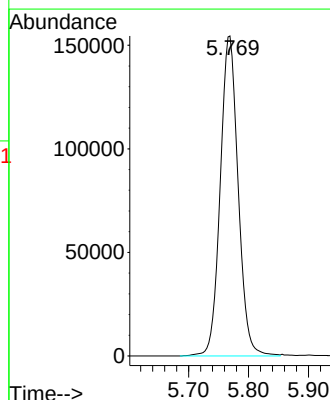
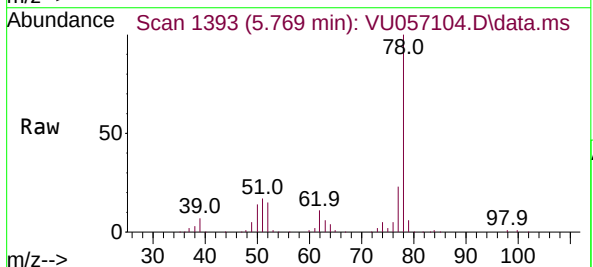
Instrument :
MSVOA_U
ClientSampleId :

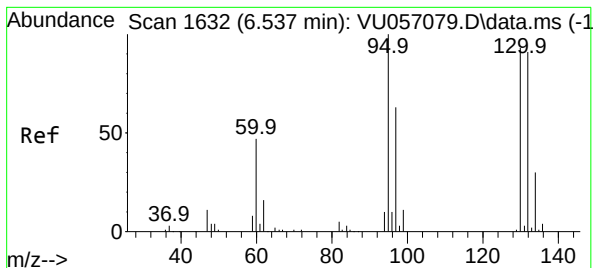
Tgt Ion:117 Resp: 128023
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.4



#33
Benzene
Concen: 4.686 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion: 78 Resp: 319505





#34

Trichloroethene

Concen: 4.782 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

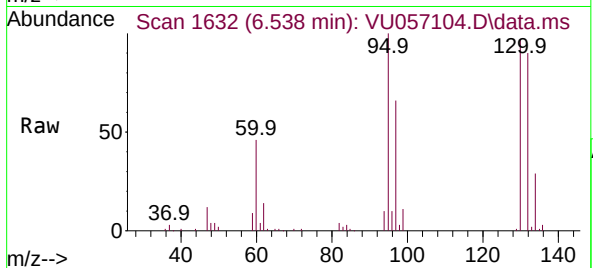
Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 89445

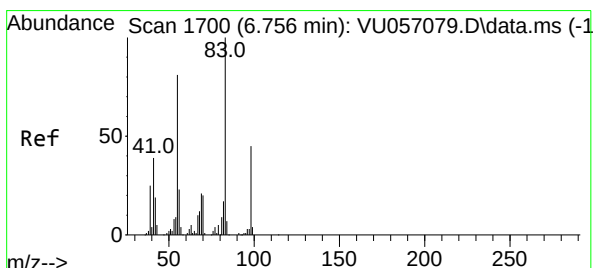
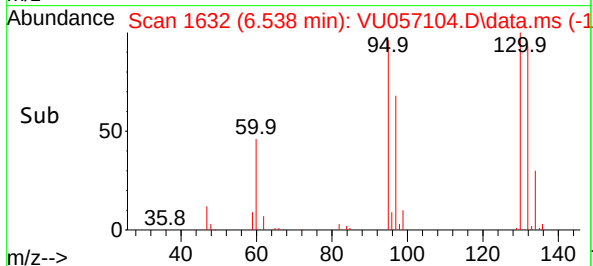
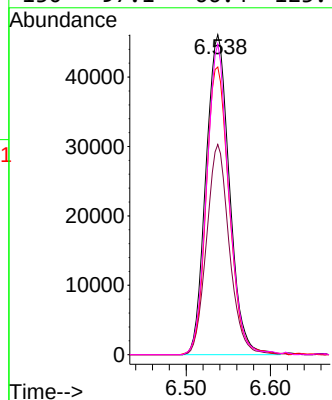
Ion Ratio Lower Upper

95 100

97 65.7 46.1 85.5

132 89.9 63.6 118.0

130 97.1 66.4 123.4



#35

Methylcyclohexane

Concen: 4.175 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

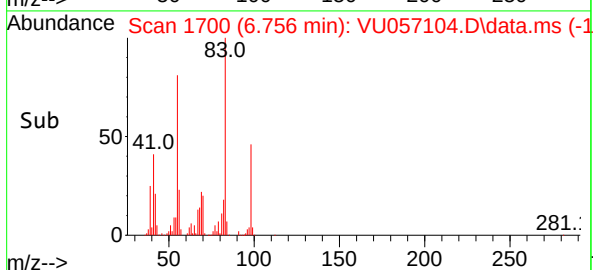
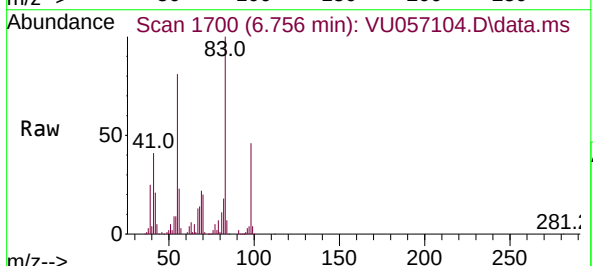
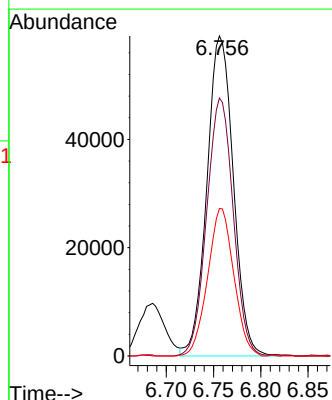
Tgt Ion: 83 Resp: 115240

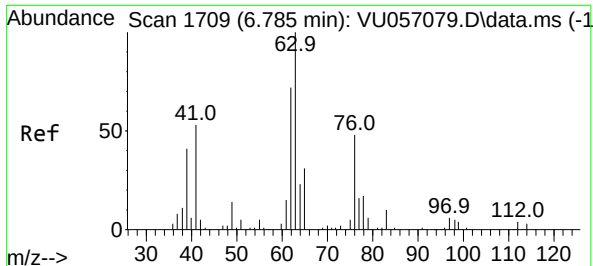
Ion Ratio Lower Upper

83 100

55 80.6 64.6 97.0

98 45.5 36.1 54.1





#37

1,2-Dichloropropane

Concen: 4.730 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

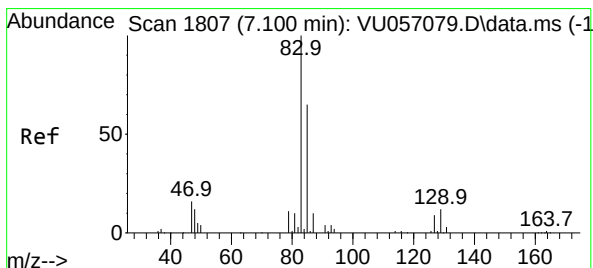
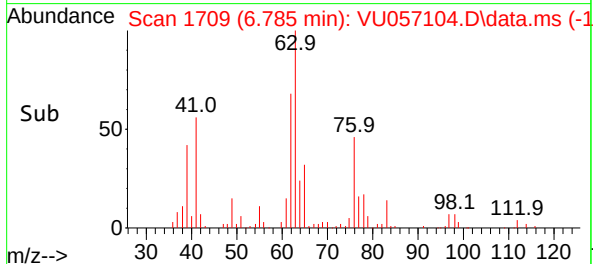
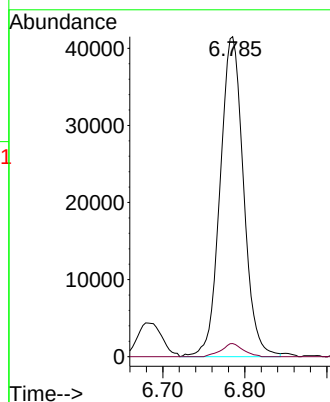
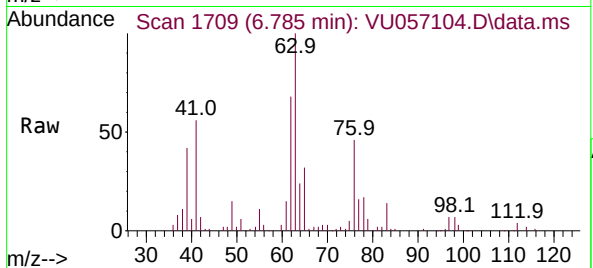
ClientSampleId :

Tgt Ion: 63 Resp: 82493

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.208 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

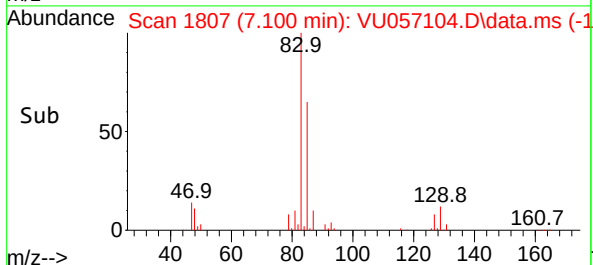
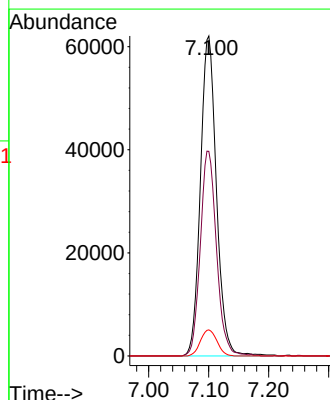
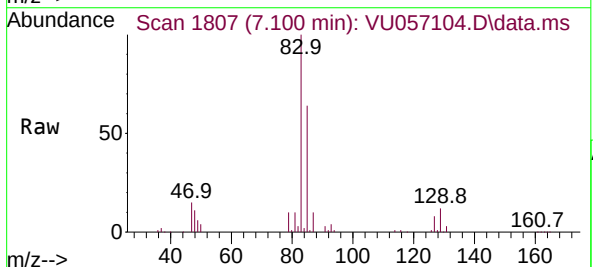
Tgt Ion: 83 Resp: 115838

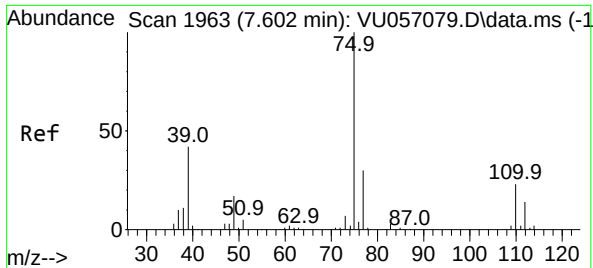
Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 8.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.683 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

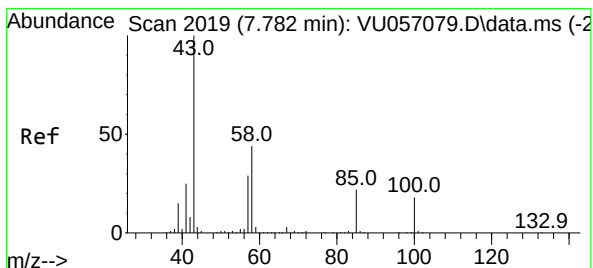
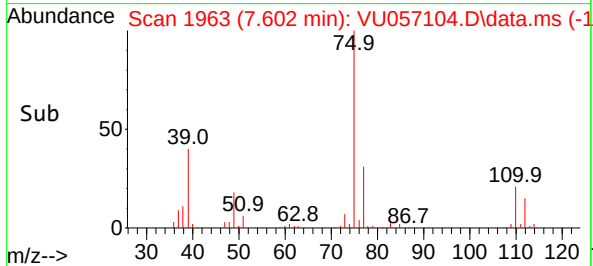
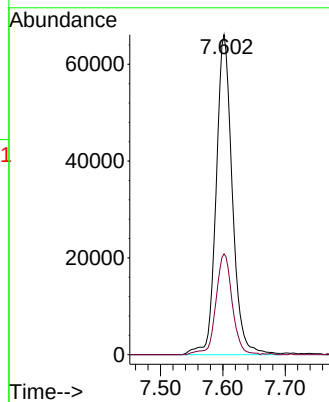
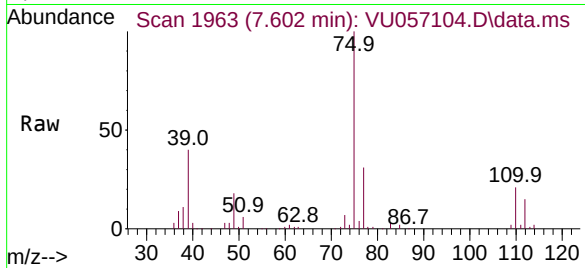
ClientSampleId :

Tgt Ion: 75 Resp: 119029

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 46.160 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

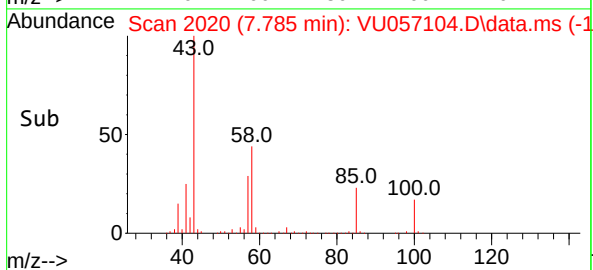
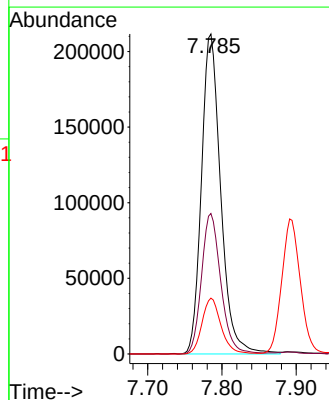
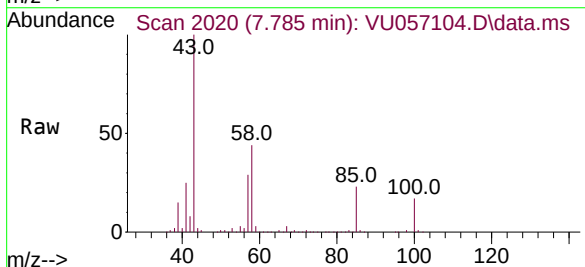
Tgt Ion: 43 Resp: 382287

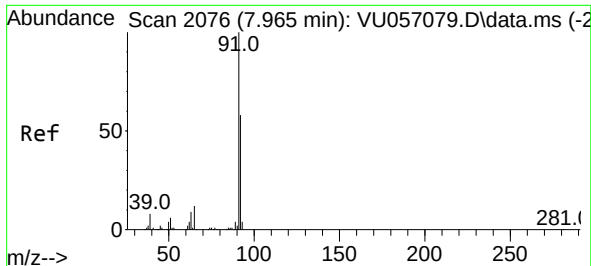
Ion Ratio Lower Upper

43 100

58 43.9 33.7 50.5

100 17.2 13.0 19.4





#42

Toluene

Concen: 4.934 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

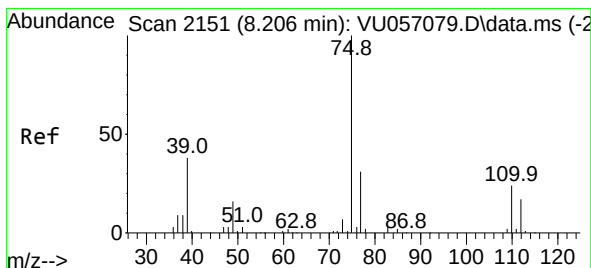
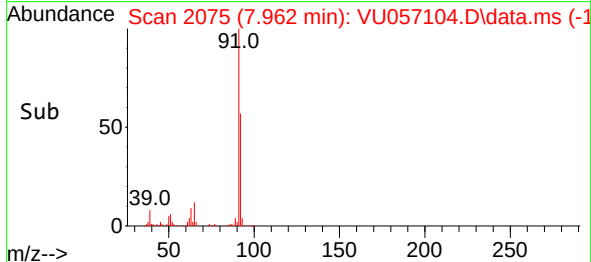
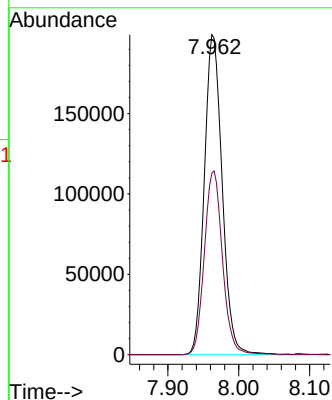
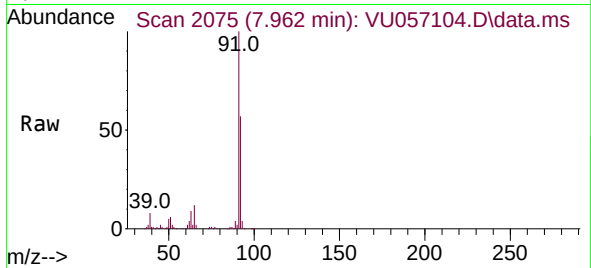
ClientSampleId :

Tgt Ion: 91 Resp: 348051

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.896 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057104.D

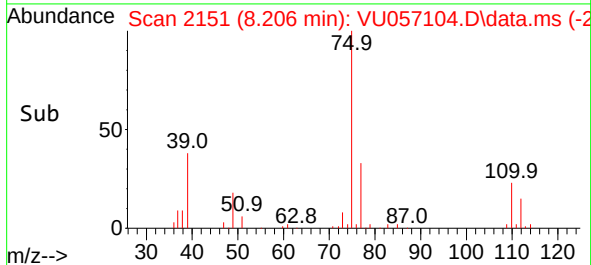
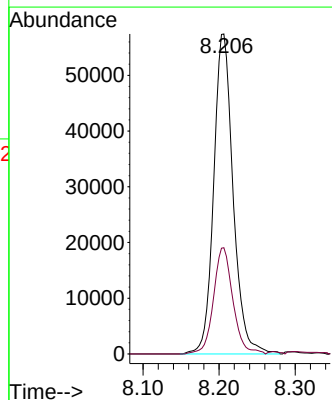
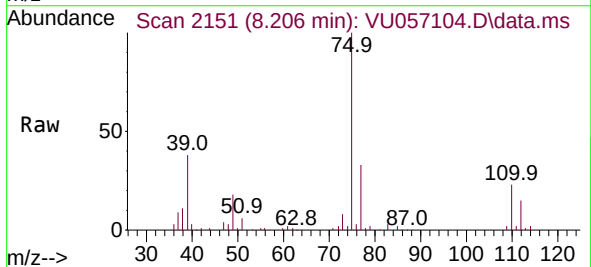
Acq: 20 Dec 2023 20:05

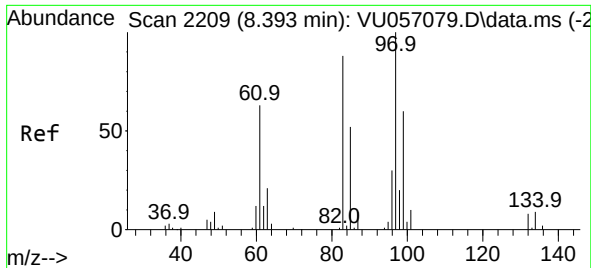
Tgt Ion: 75 Resp: 102005

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4

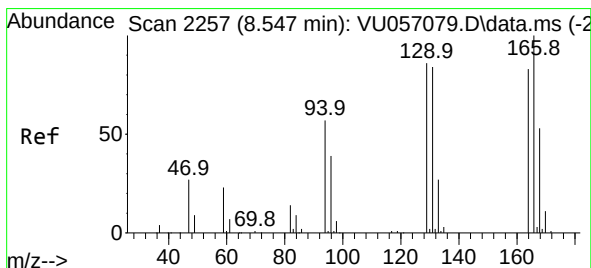
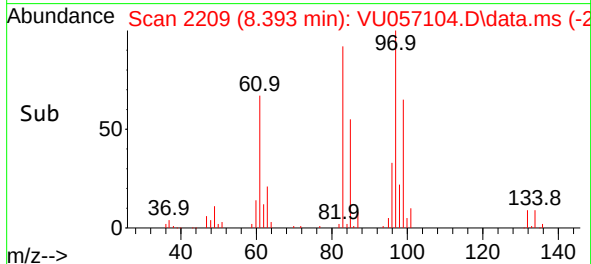
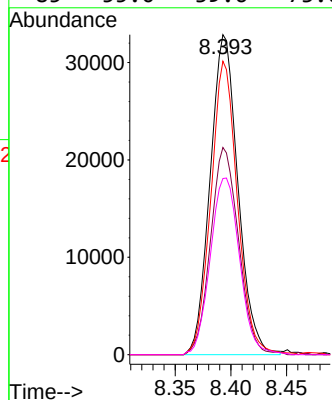
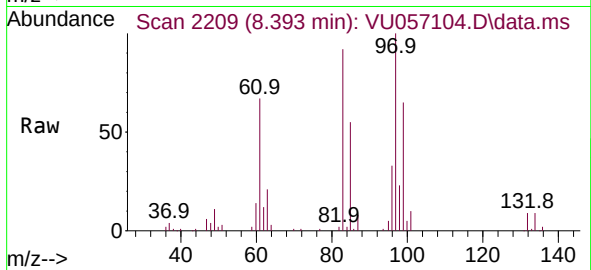




#45
1,1,2-Trichloroethane
Concen: 4.839 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

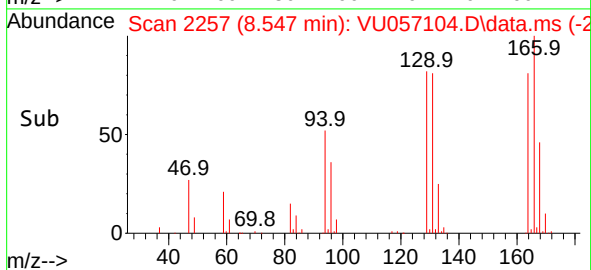
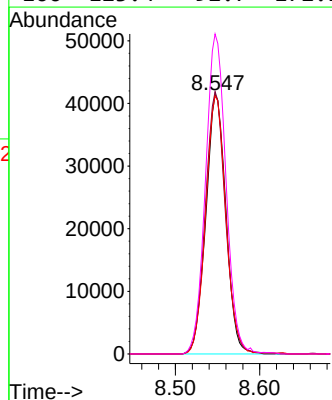
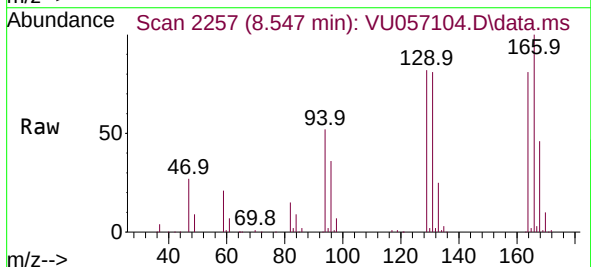
Instrument :
MSVOA_U
ClientSampleId :

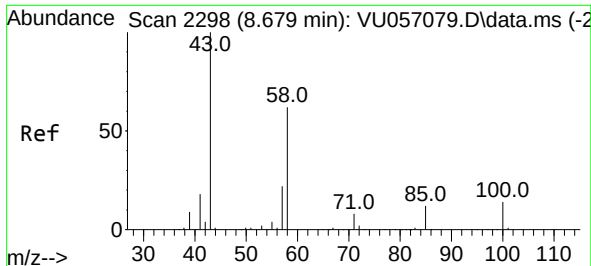
Tgt Ion: 97	Resp: 57058
Ion Ratio	Lower Upper
97 100	
99 64.8	41.9 77.9
83 91.7	59.1 109.7
85 55.0	39.6 73.6



#47
Tetrachloroethene
Concen: 5.247 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt	Ion:164	Resp:	68684
Ion	Ratio	Lower	Upper
164	100		
129	101.2	73.4	136.4
131	99.6	71.5	132.9
166	123.4	92.7	172.1

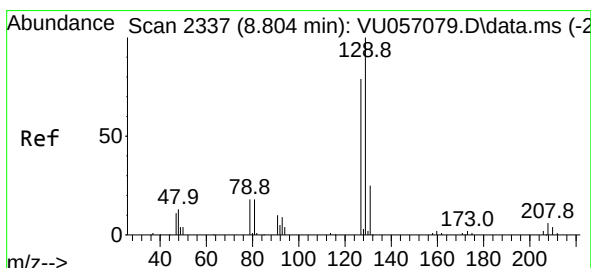
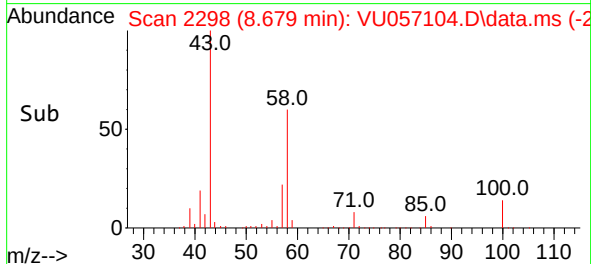
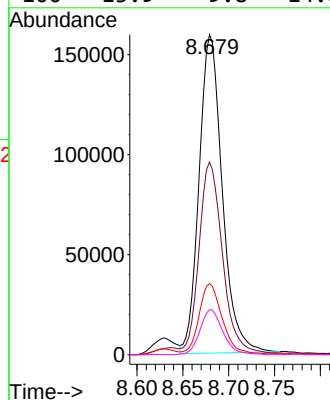
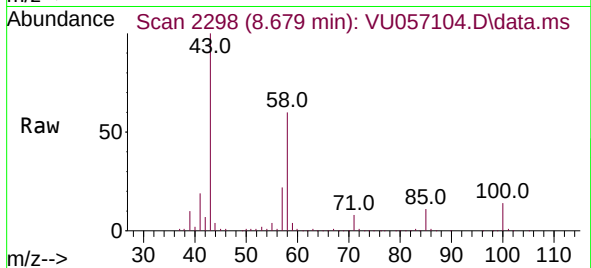




#48
2-Hexanone
Concen: 47.517 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

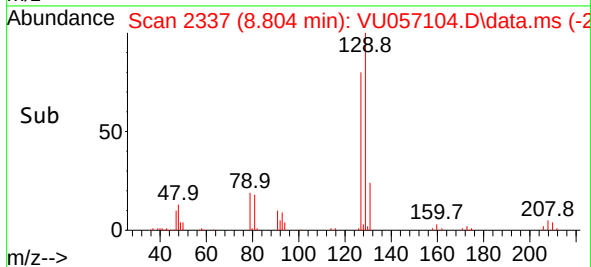
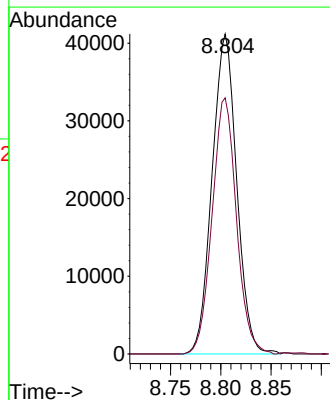
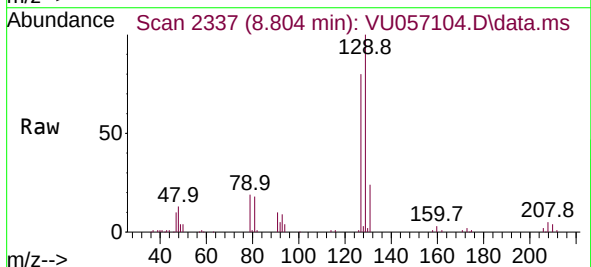
Instrument :
MSVOA_U
ClientSampleId :

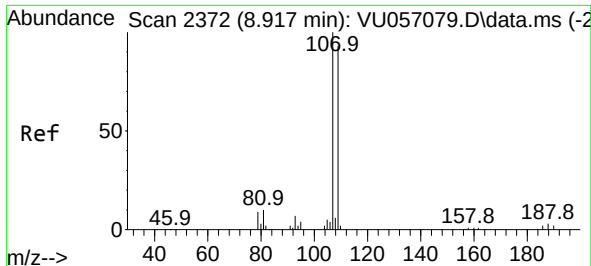
Tgt Ion: 43 Resp: 280277
Ion Ratio Lower Upper
43 100
58 60.9 47.5 71.3
57 21.9 17.0 25.4
100 13.9 9.8 14.8



#49
Dibromochloromethane
Concen: 5.173 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion:129 Resp: 70113
Ion Ratio Lower Upper
129 100
127 80.1 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.039 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :

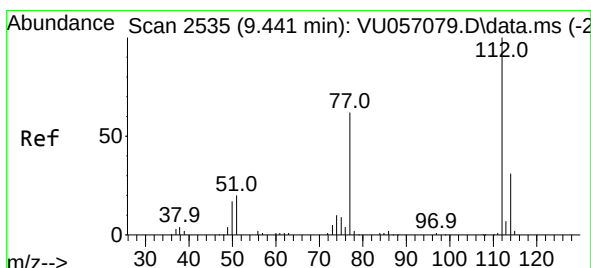
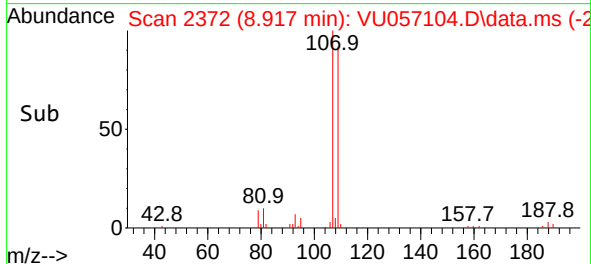
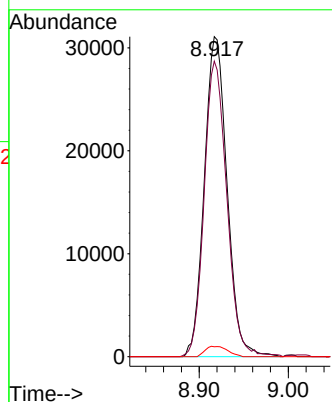
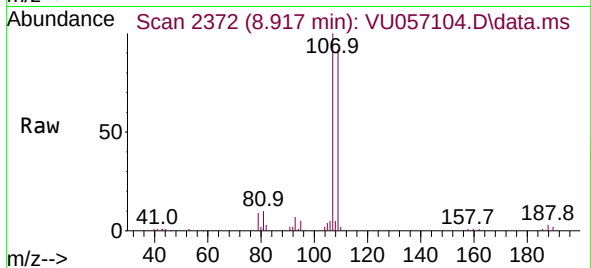
Tgt Ion:107 Resp: 55144

Ion Ratio Lower Upper

107 100

109 92.4 66.5 123.5

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 4.807 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

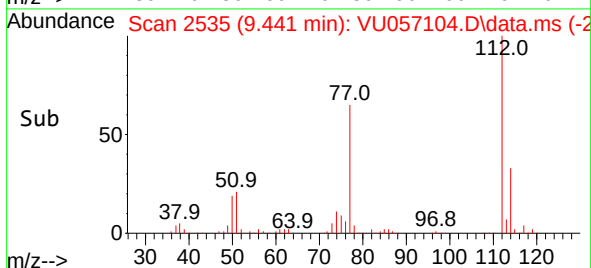
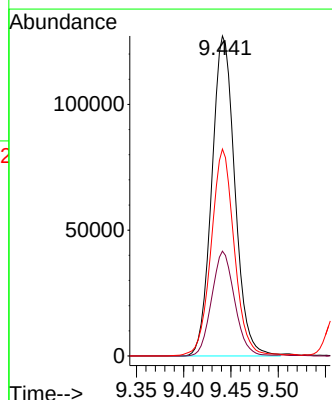
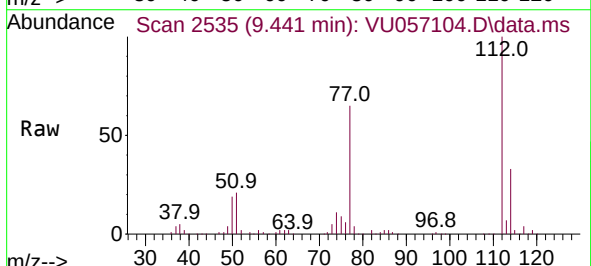
Tgt Ion:112 Resp: 216147

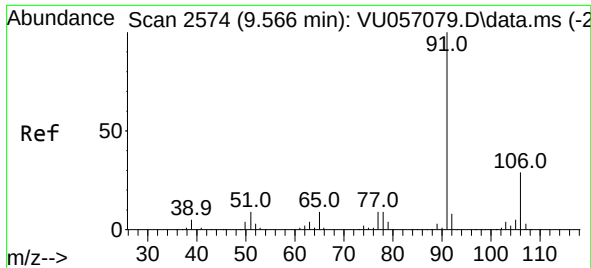
Ion Ratio Lower Upper

112 100

114 32.8 21.9 40.7

77 64.6 51.6 77.4

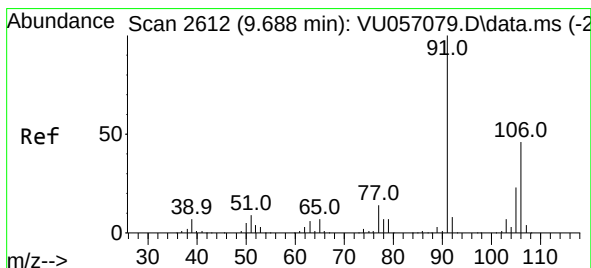
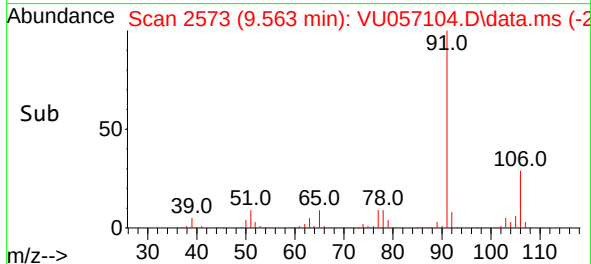
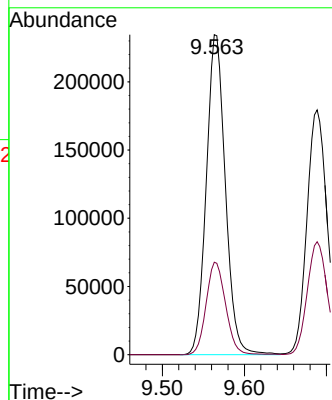
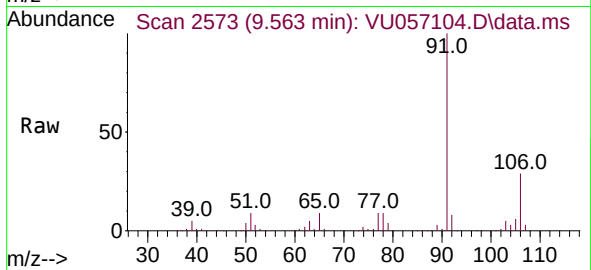




#52
Ethylbenzene
Concen: 4.868 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

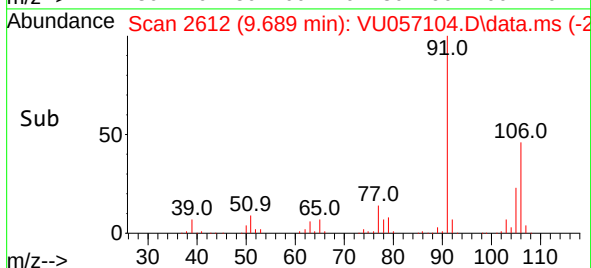
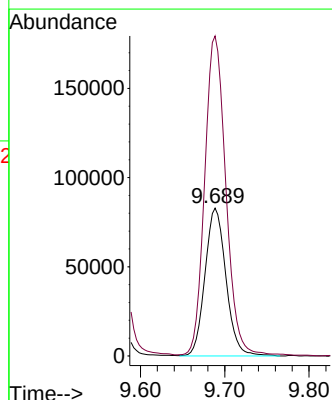
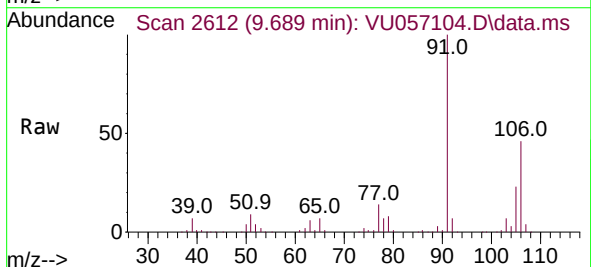
Instrument :
MSVOA_U
ClientSampleId :

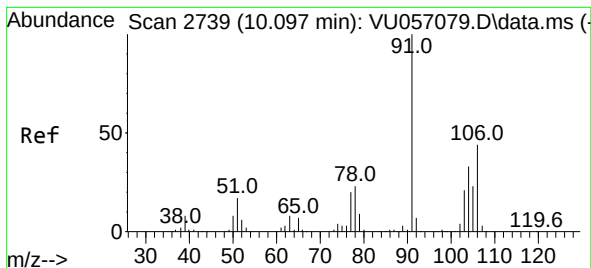
Tgt Ion: 91 Resp: 378861
Ion Ratio Lower Upper
91 100
106 28.9 20.6 38.4



#53
m,p-Xylene
Concen: 4.960 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion:106 Resp: 143819
Ion Ratio Lower Upper
106 100
91 216.5 154.0 286.0





#54

o-Xylene

Concen: 4.876 ug/L

RT: 10.094 min Scan# 2739

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

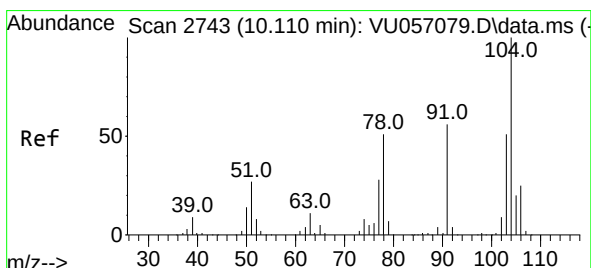
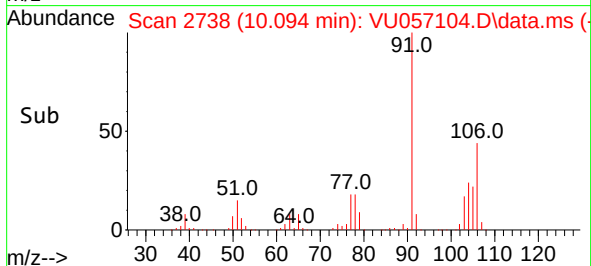
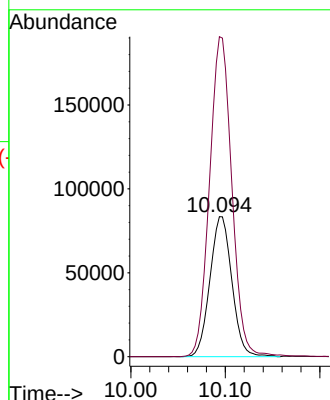
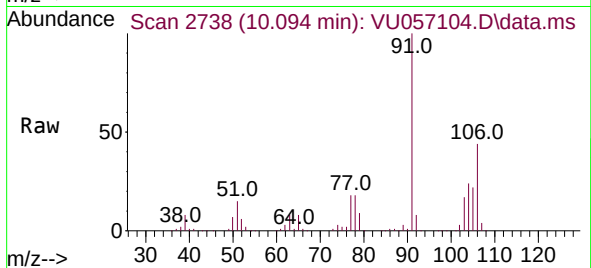
ClientSampleId :

Tgt Ion:106 Resp: 134694

Ion Ratio Lower Upper

106 100

91 228.6 160.2 297.6



#55

Styrene

Concen: 5.155 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057104.D

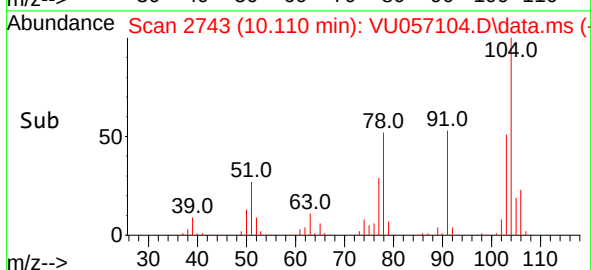
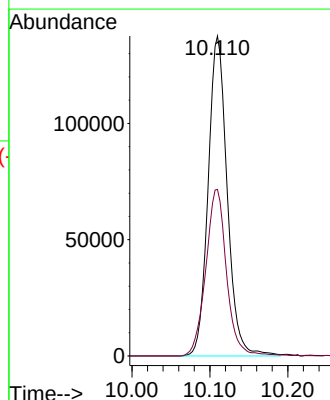
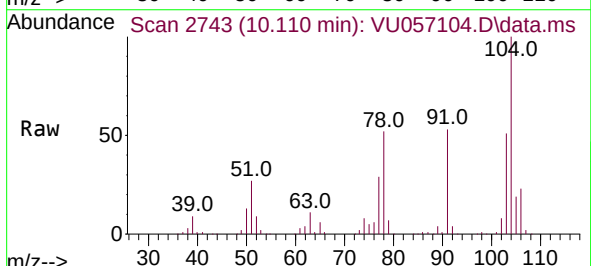
Acq: 20 Dec 2023 20:05

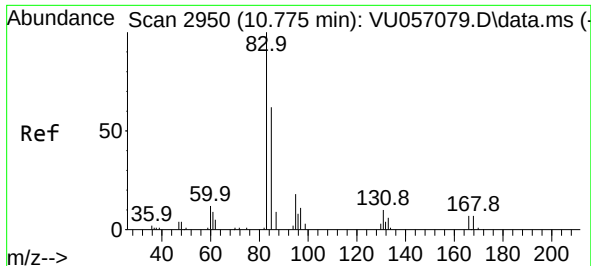
Tgt Ion:104 Resp: 233824

Ion Ratio Lower Upper

104 100

78 52.1 35.6 66.2

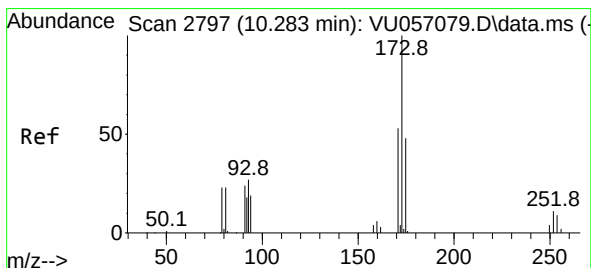
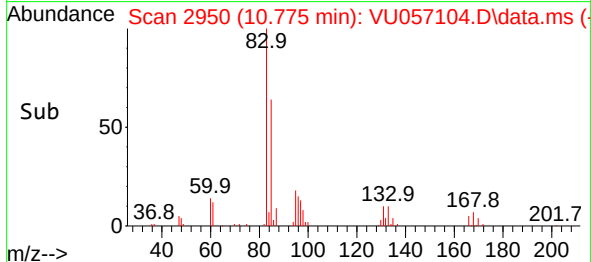
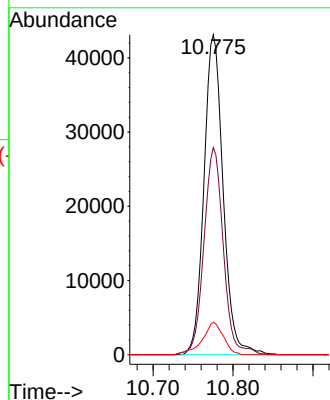
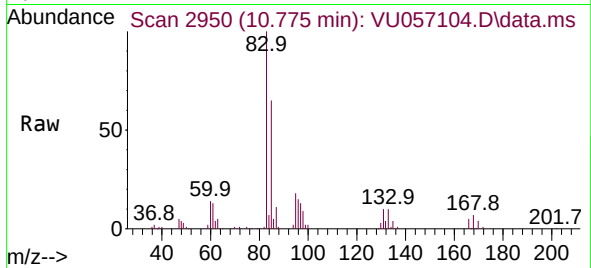




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.051 ug/L
 RT: 10.775 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

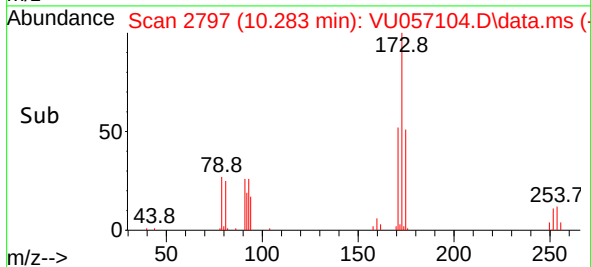
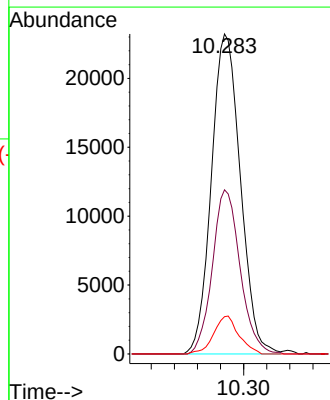
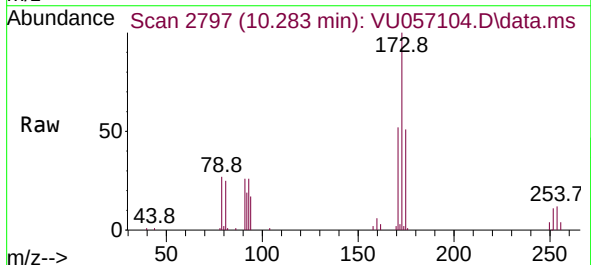
Instrument :
 MSVOA_U
 ClientSampleId :

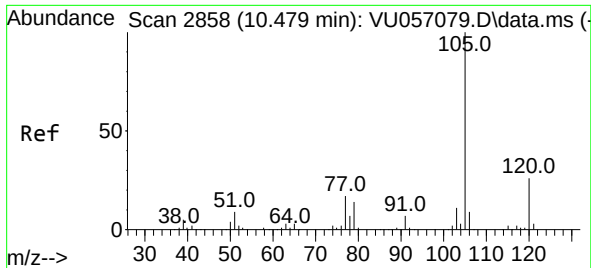
Tgt Ion: 83 Resp: 71951
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.4 84.4
 131 10.2 6.6 9.8#



#59
 Bromoform
 Concen: 4.906 ug/L
 RT: 10.283 min Scan# 2797
 Delta R.T. 0.000 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

Tgt Ion:173 Resp: 40457
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.2 57.2
 254 10.3 7.0 10.4

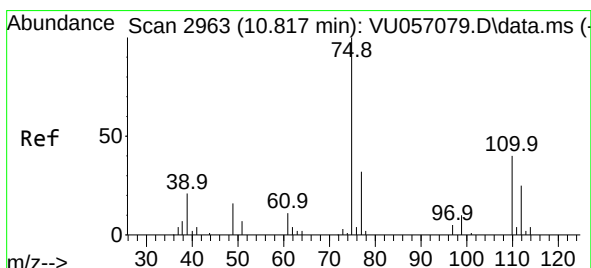
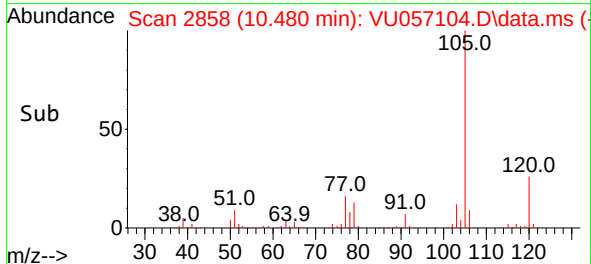
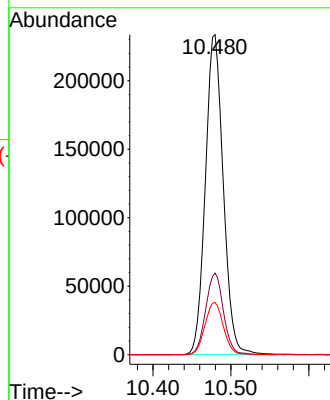
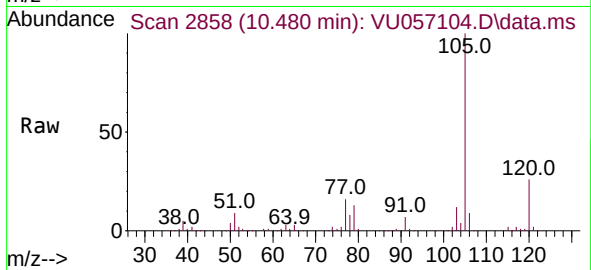




#60
Isopropylbenzene
Concen: 4.683 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

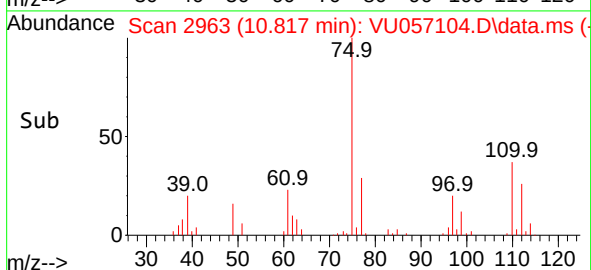
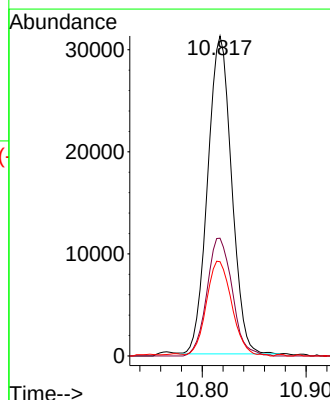
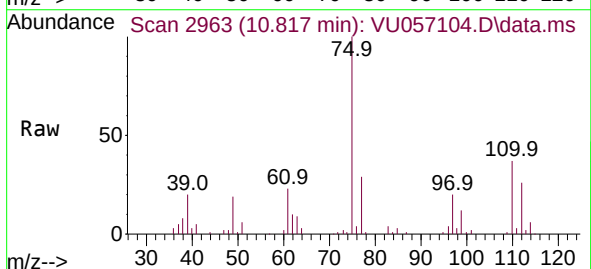
Instrument :
MSVOA_U
ClientSampleId :

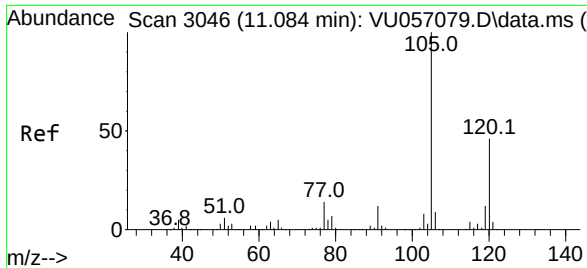
Tgt Ion:105 Resp: 373674
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.597 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion: 75 Resp: 49853
Ion Ratio Lower Upper
75 100
110 39.2 28.4 42.6
77 31.7 26.3 39.5

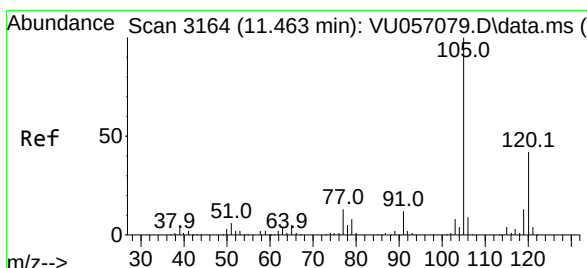
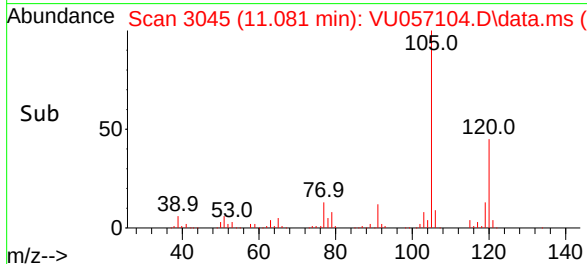
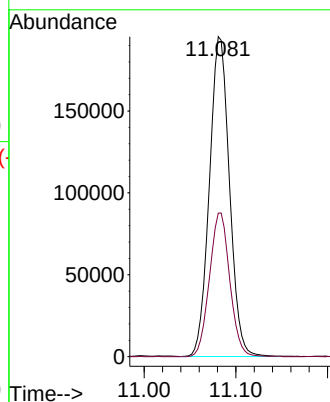
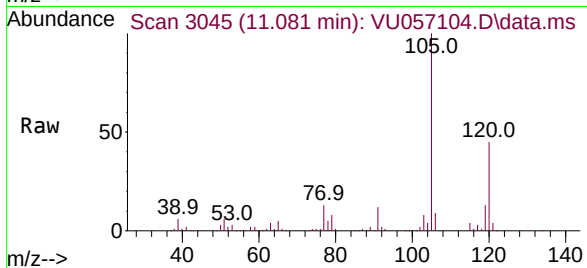




#62
 1,3,5-Trimethylbenzene
 Concen: 4.554 ug/L
 RT: 11.081 min Scan# 3046
 Delta R.T. -0.003 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

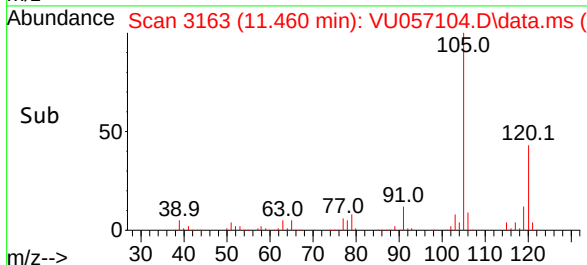
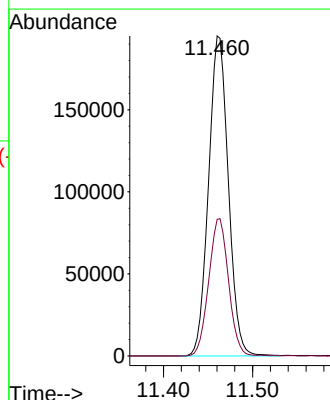
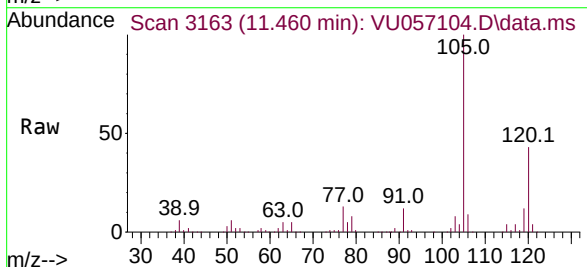
Instrument :
 MSVOA_U
 ClientSampleId :

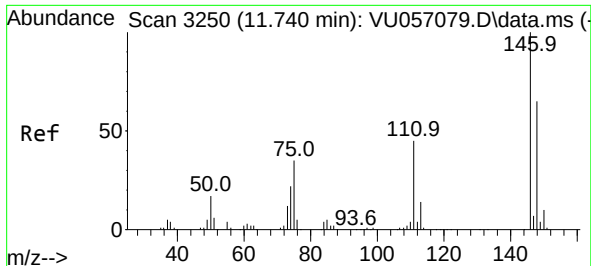
Tgt Ion:105 Resp: 296994
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.639 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. -0.003 min
 Lab File: VU057104.D
 Acq: 20 Dec 2023 20:05

Tgt Ion:105 Resp: 300506
 Ion Ratio Lower Upper
 105 100
 120 43.0 34.2 51.4

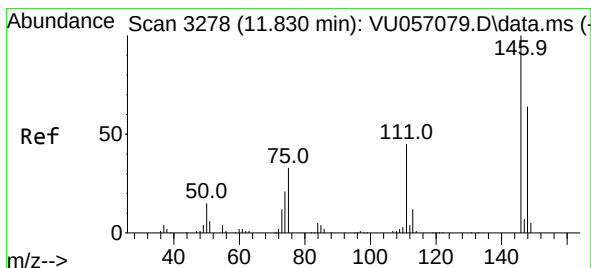
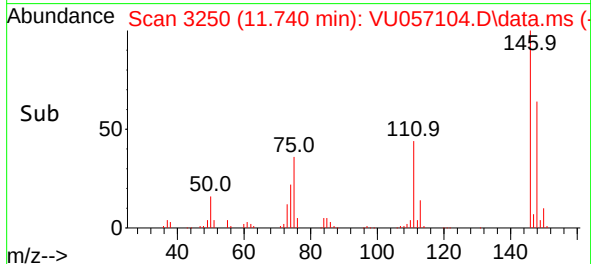
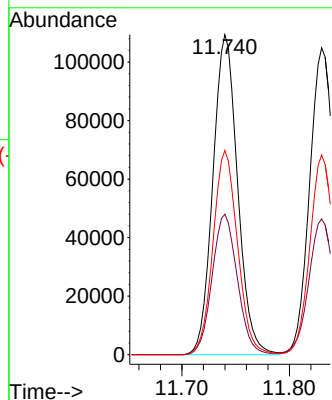
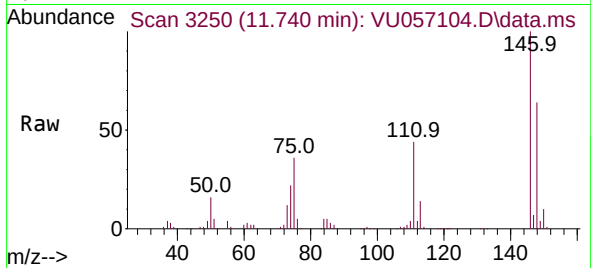




#64
1,3-Dichlorobenzene
Concen: 4.627 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

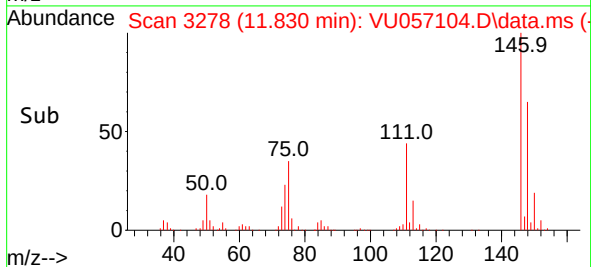
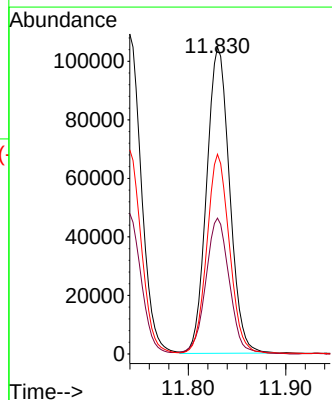
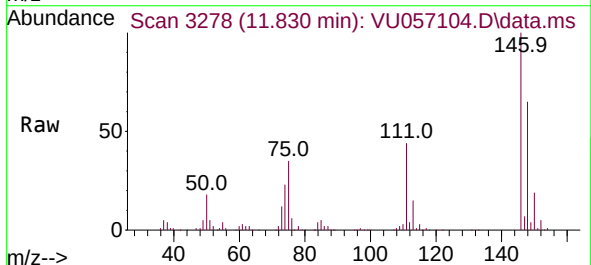
Instrument :
MSVOA_U
ClientSampleId :

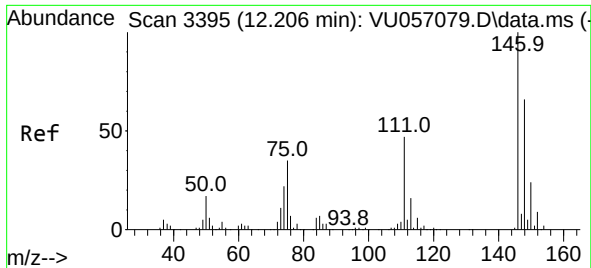
Tgt Ion:146 Resp: 174649
Ion Ratio Lower Upper
146 100
111 43.9 31.7 58.9
148 63.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.614 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion:146 Resp: 171482
Ion Ratio Lower Upper
146 100
111 44.3 31.2 58.0
148 65.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.616 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :

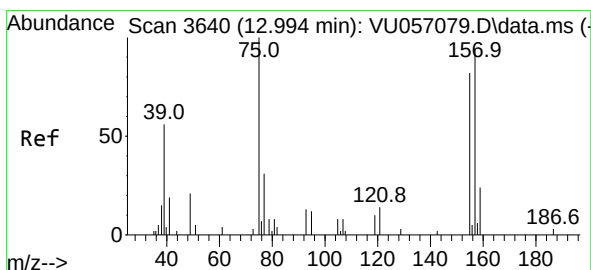
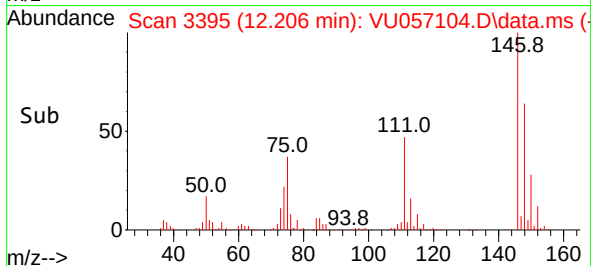
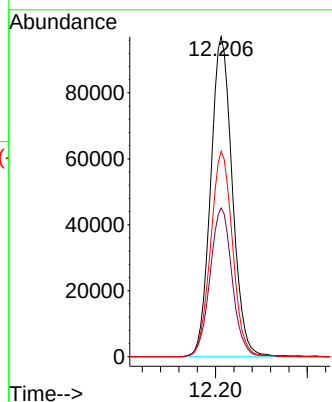
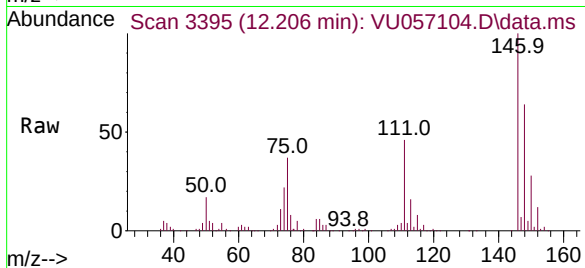
Tgt Ion:146 Resp: 158747

Ion Ratio Lower Upper

146 100

111 46.5 36.9 55.3

148 64.2 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.123 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

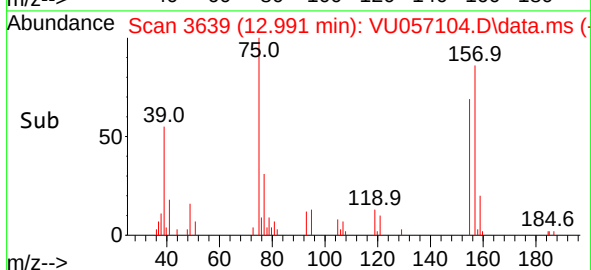
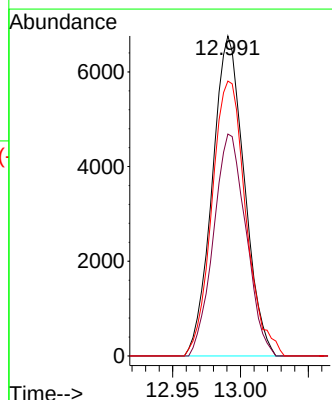
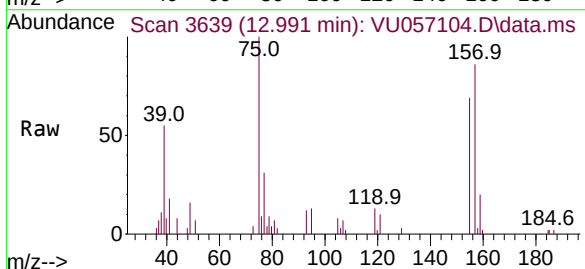
Tgt Ion: 75 Resp: 11092

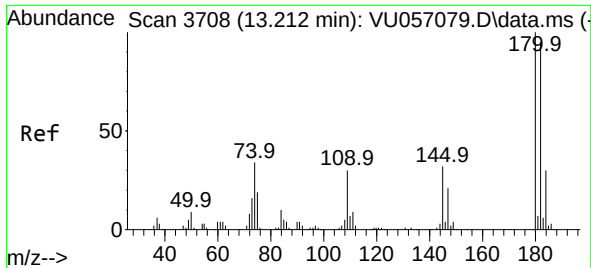
Ion Ratio Lower Upper

75 100

155 69.3 55.4 83.2

157 85.9 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.260 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

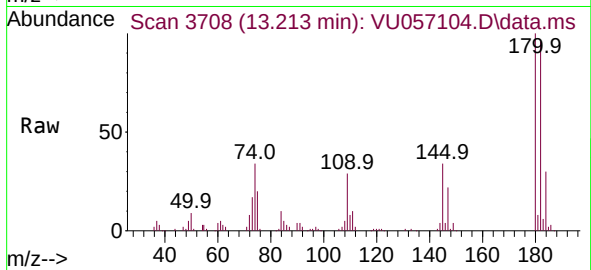
Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 121515

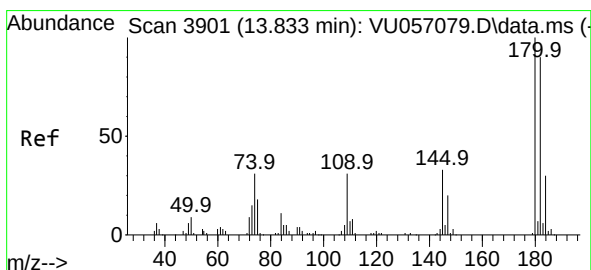
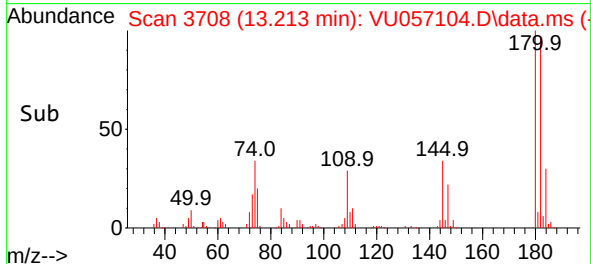
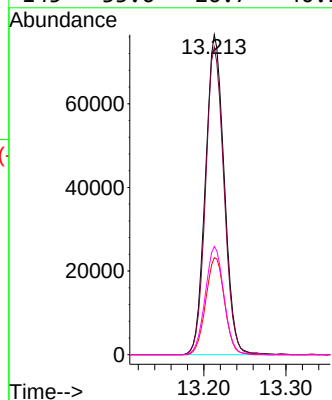
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

184 30.3 24.6 37.0

145 33.6 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 3.956 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU057104.D

Acq: 20 Dec 2023 20:05

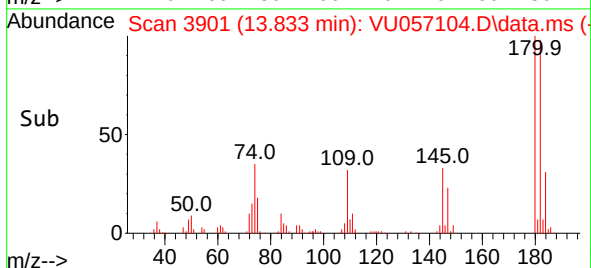
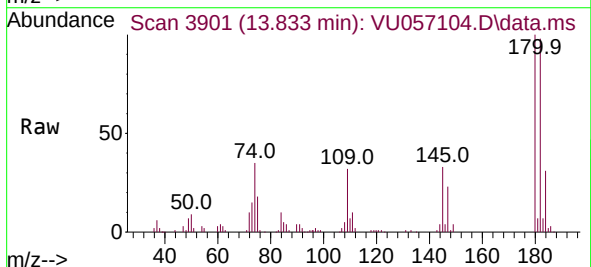
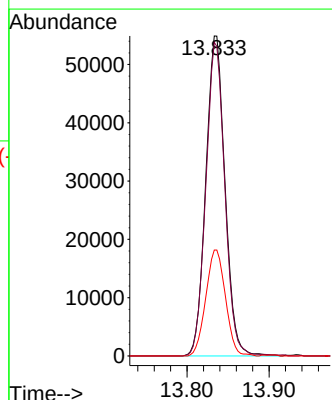
Tgt Ion:180 Resp: 89359

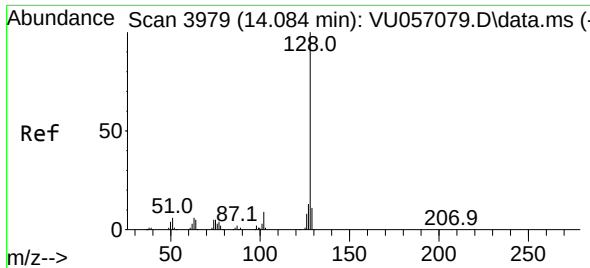
Ion Ratio Lower Upper

180 100

182 96.5 74.3 111.5

145 33.8 26.7 40.1

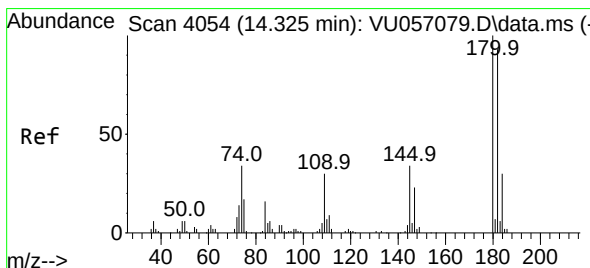
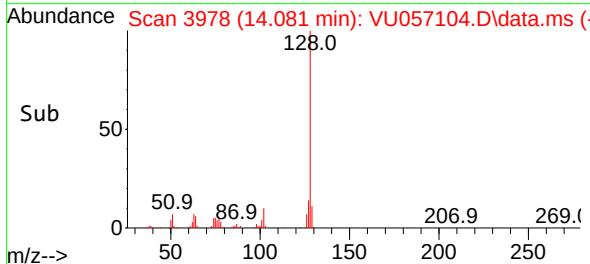
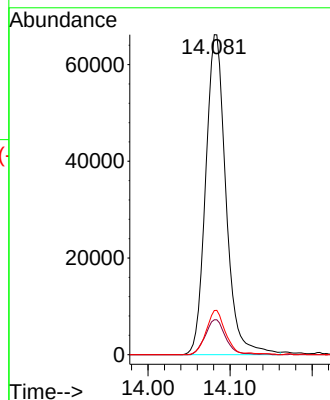
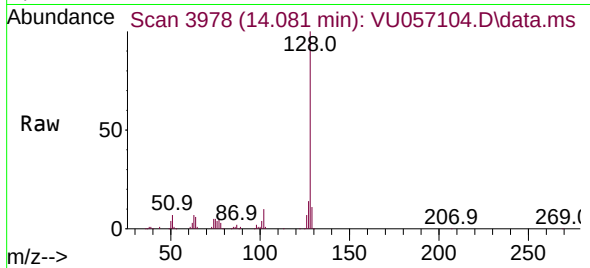




#71
Naphthalene
Concen: 3.437 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 113612
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.0 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 3.845 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057104.D
Acq: 20 Dec 2023 20:05

Tgt Ion:180 Resp: 73724
Ion Ratio Lower Upper
180 100
182 94.1 75.0 112.6
145 37.0 28.6 42.8

