

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121723\
 Data File : VU056984.D
 Acq On : 17 Dec 2023 21:39
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:21:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 01:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	285027	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	256782	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134829	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	67187	2.750	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.000%
7) Chloroethane-d5	1.904	69	62419	3.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.200%
11) 1,1-Dichloroethene-d2	2.560	65	30766	2.943	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.800%#
20) 2-Butanone-d5	4.618	46	196068	40.637	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.280%
24) Chloroform-d	5.055	84	171412	3.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.200%
26) 1,2-Dichloroethane-d4	5.695	65	81405	3.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
32) Benzene-d6	5.721	84	303074	3.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
36) 1,2-Dichloropropane-d6	6.682	67	100094	4.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.891	98	259289	3.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.174	79	33844	3.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.627	63	160437	44.001	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.000%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	74187	4.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	95126	3.589	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	110864	3.712	ug/L	99
3) Chloromethane	1.515	50	123658	4.211	ug/L	98
5) Vinyl chloride	1.599	62	119398	4.094	ug/L	98
6) Bromomethane	1.850	94	54734	3.183	ug/L	95
8) Chloroethane	1.927	64	73086	4.278	ug/L	96
9) Trichlorofluoromethane	2.133	101	165655	4.031	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	98223	3.896	ug/L	97
12) 1,1-Dichloroethene	2.573	96	95586	4.131	ug/L	92
13) Acetone	2.621	43	123510	42.005	ug/L	97
14) Carbon disulfide	2.785	76	298279	3.715	ug/L	99
15) Methyl Acetate	2.946	43	33987	4.246	ug/L	98
16) Methylene chloride	3.039	84	110039	4.365	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	215629	4.202	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	95410	4.067	ug/L	98
19) 1,1-Dichloroethane	3.859	63	193922	4.297	ug/L	98
21) 2-Butanone	4.695	43	202351	40.808	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	108231	4.240	ug/L	99
23) Bromochloromethane	4.968	128	46962	4.395	ug/L	95
25) Chloroform	5.078	83	202820	4.290	ug/L	99

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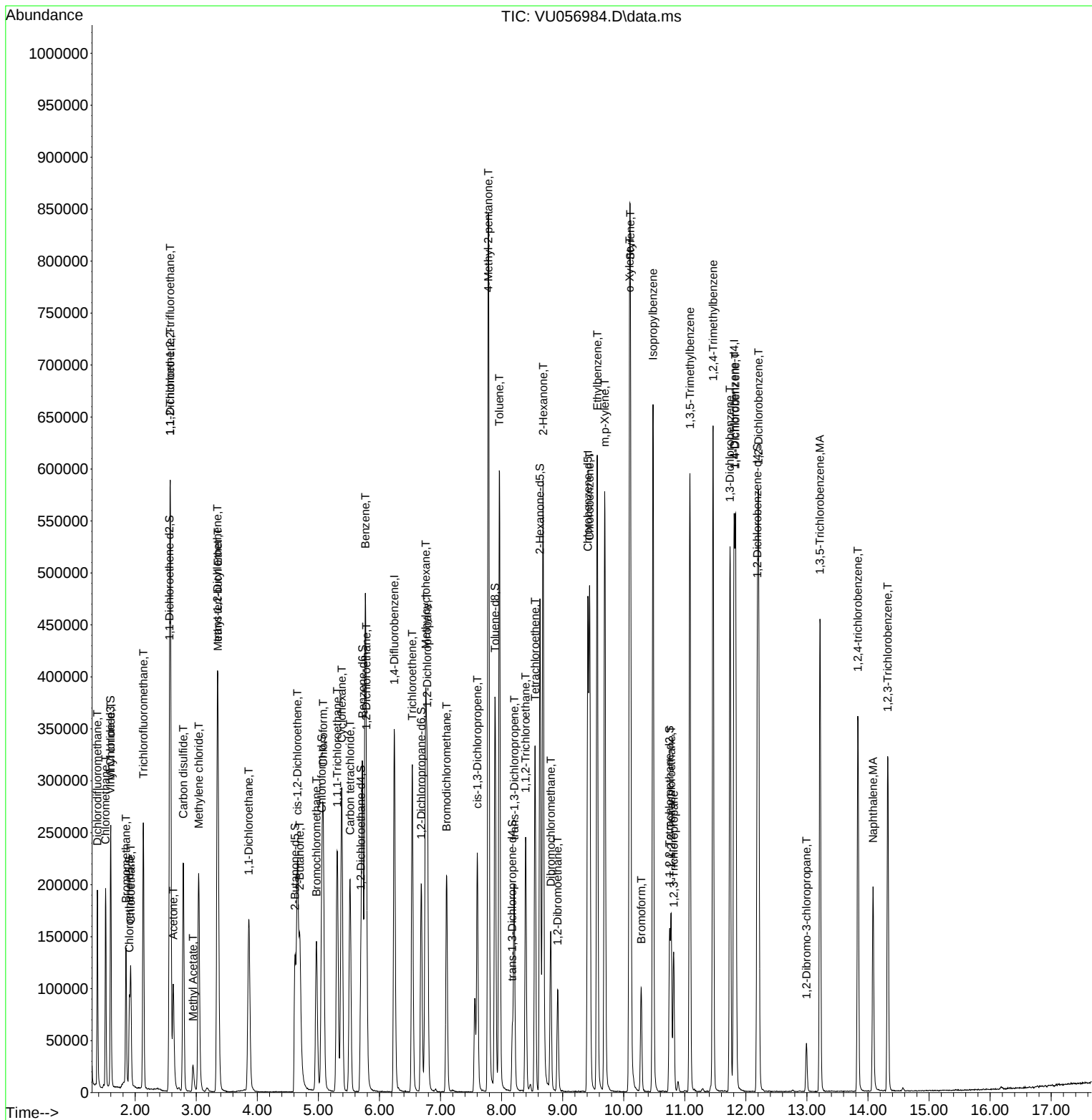
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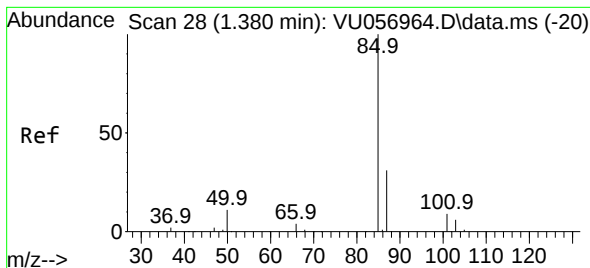
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	117598	4.206	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	174768	4.708	ug/L	99
30) Cyclohexane	5.380	56	141590	4.064	ug/L	98
31) Carbon tetrachloride	5.518	117	147188	4.562	ug/L	99
33) Benzene	5.769	78	421620	4.672	ug/L	100
34) Trichloroethene	6.538	95	110625	4.469	ug/L	98
35) Methylcyclohexane	6.756	83	136964	3.749	ug/L	100
37) 1,2-Dichloropropane	6.782	63	112939	4.892	ug/L	100
38) Bromodichloromethane	7.100	83	137518	4.671	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	140279	4.169	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	528098	48.177	ug/L	99
42) Toluene	7.962	91	444355	4.759	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	116222	4.215	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	74180	4.753	ug/L	94
47) Tetrachloroethene	8.547	164	72860	4.206	ug/L	90
48) 2-Hexanone	8.679	43	351365	45.005	ug/L	99
49) Dibromochloromethane	8.804	129	79786	4.448	ug/L	95
50) 1,2-Dibromoethane	8.917	107	65359	4.512	ug/L	100
51) Chlorobenzene	9.441	112	254769	4.281	ug/L	99
52) Ethylbenzene	9.566	91	433053	4.204	ug/L	99
53) m,p-Xylene	9.689	106	161541	4.210	ug/L	97
54) o-Xylene	10.097	106	156149	4.271	ug/L	99
55) Styrene	10.110	104	276069	4.598	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	84345	4.473	ug/L	100
59) Bromoform	10.287	173	46209	4.197	ug/L	98
60) Isopropylbenzene	10.479	105	424022	3.981	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57304	3.958	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	327776	3.765	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	347628	4.020	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	210286	4.173	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204497	4.121	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	196327	4.277	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	13415	4.641	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	140345	3.686	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	107918	3.579	ug/L	96
71) Naphthalene	14.084	128	161228	3.654	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	98116	3.833	ug/L	99

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

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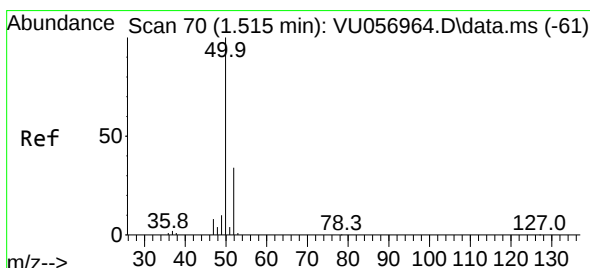
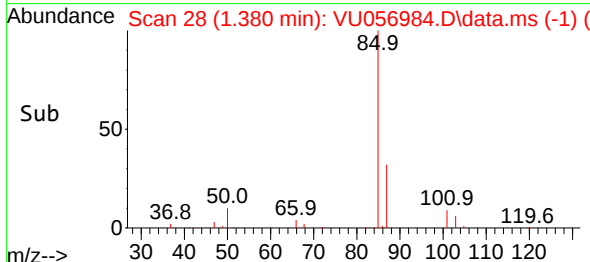
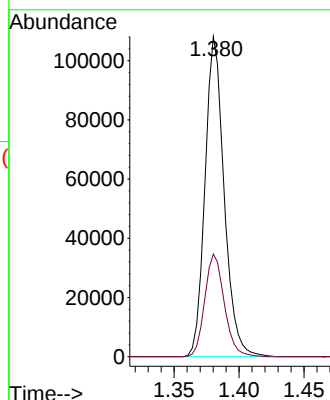
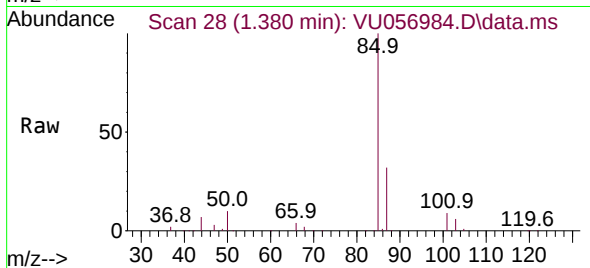




#2
 Dichlorodifluoromethane
 Concen: 3.712 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

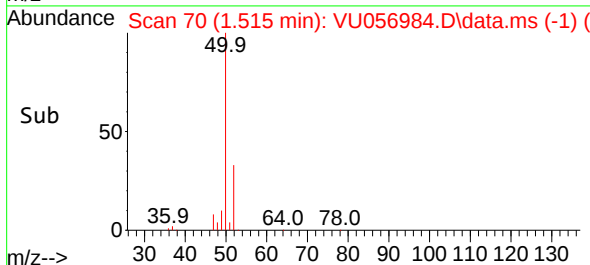
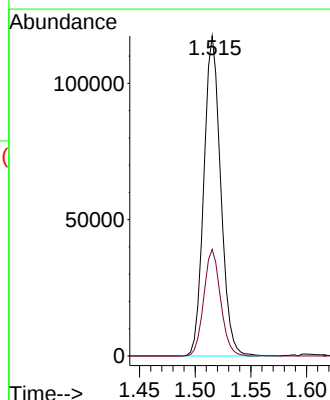
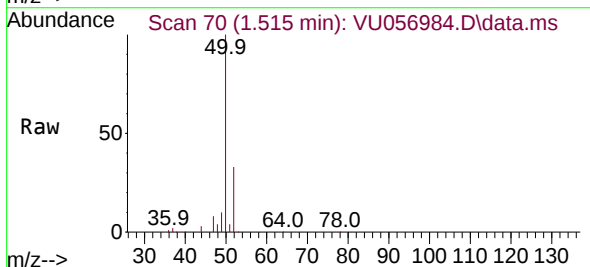
Instrument :
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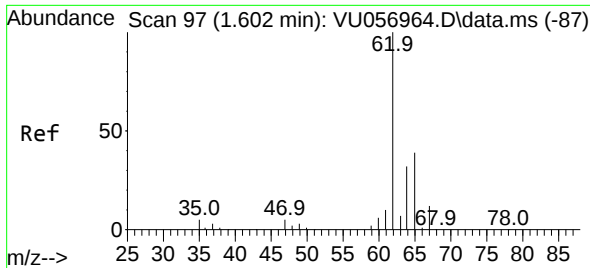
Tgt Ion: 85 Resp: 110864
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.8 40.2



#3
 Chloromethane
 Concen: 4.211 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

Tgt Ion: 50 Resp: 123658
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.5 41.7

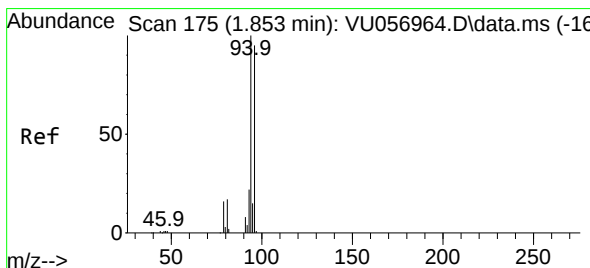
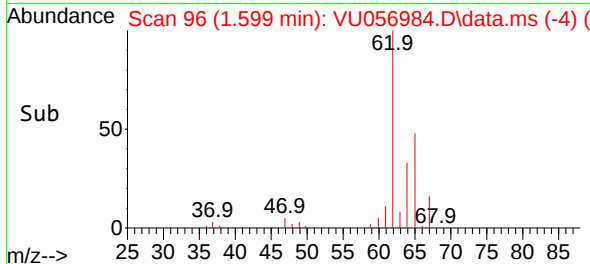
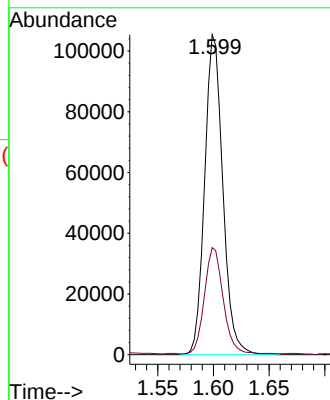
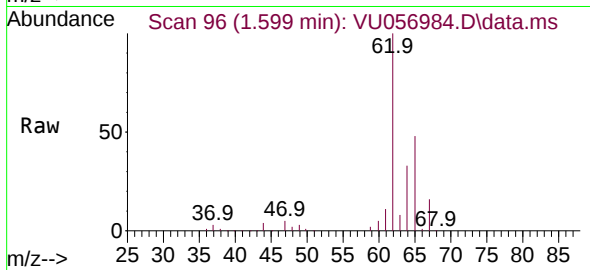




#5
 Vinyl chloride
 Concen: 4.094 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

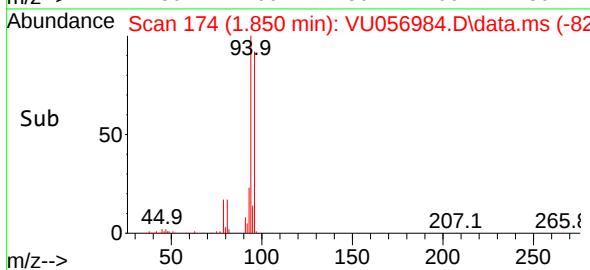
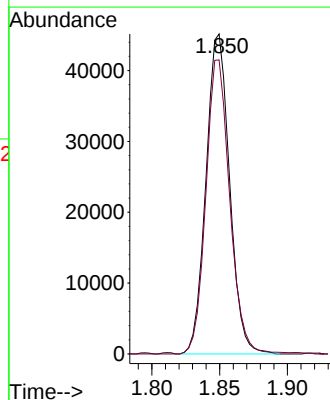
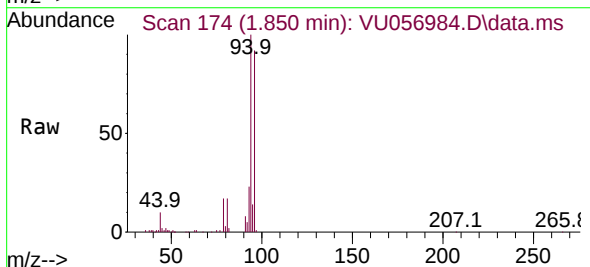
Instrument :
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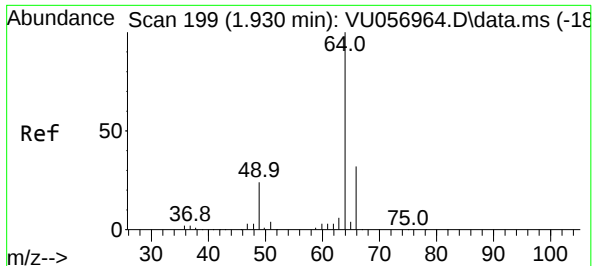
Tgt Ion: 62 Resp: 119398
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.8 42.4



#6
 Bromomethane
 Concen: 3.183 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

Tgt Ion: 94 Resp: 54734
 Ion Ratio Lower Upper
 94 100
 96 91.9 67.8 125.8

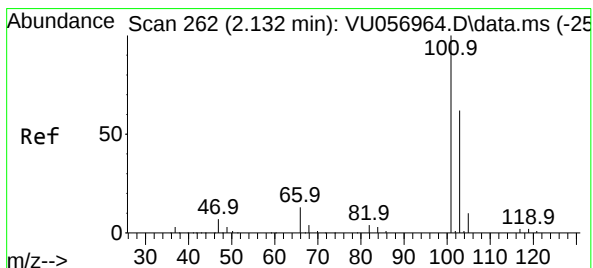
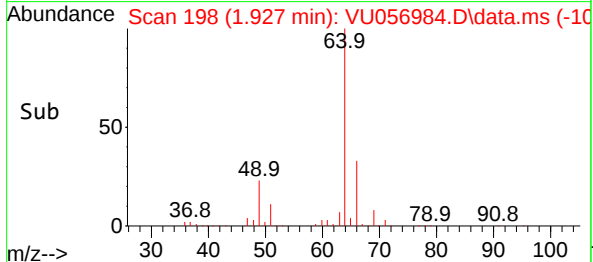
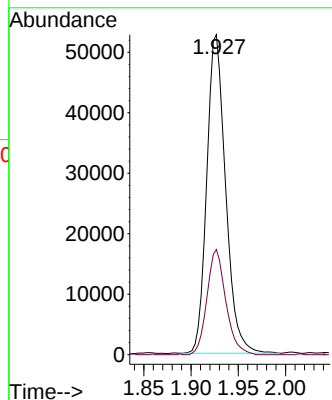
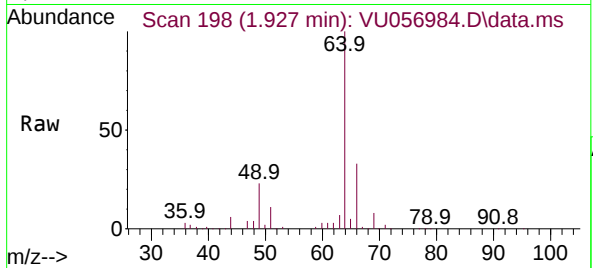




#8
Chloroethane
Concen: 4.278 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

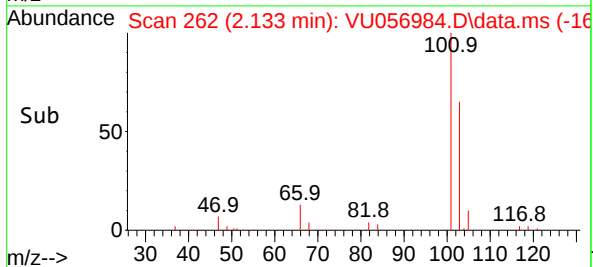
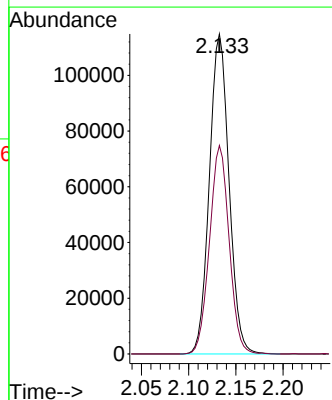
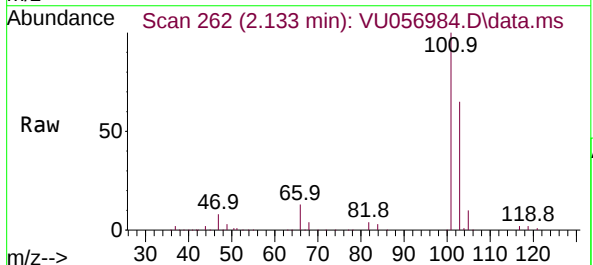
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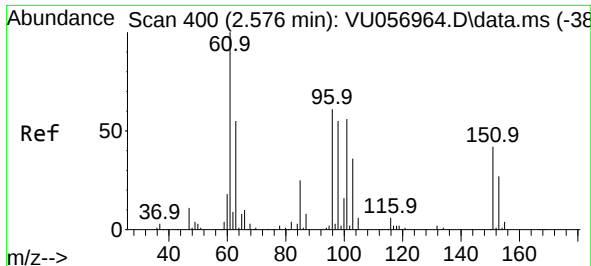
Tgt Ion: 64 Resp: 73086
Ion Ratio Lower Upper
64 100
66 32.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.031 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:101 Resp: 165655
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

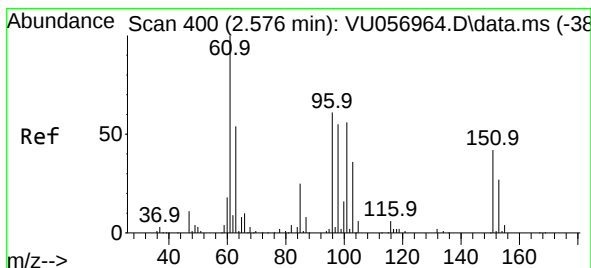
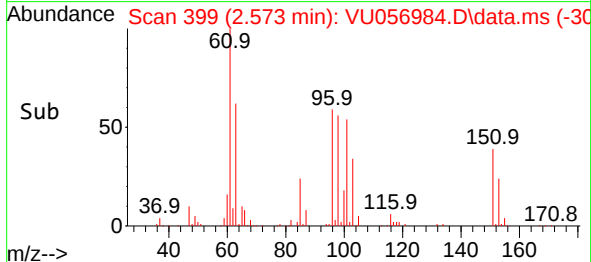
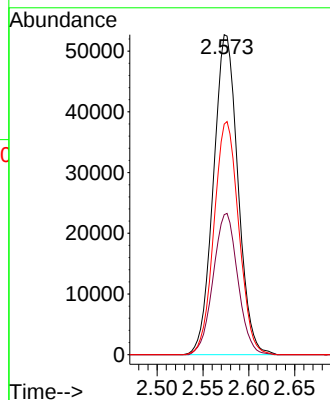
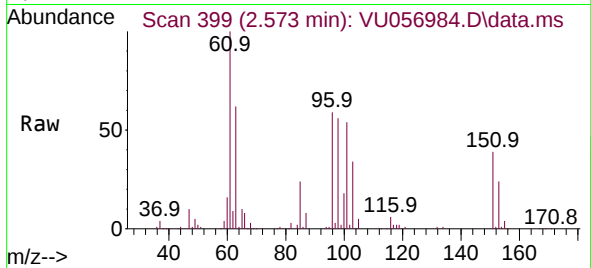




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.896 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

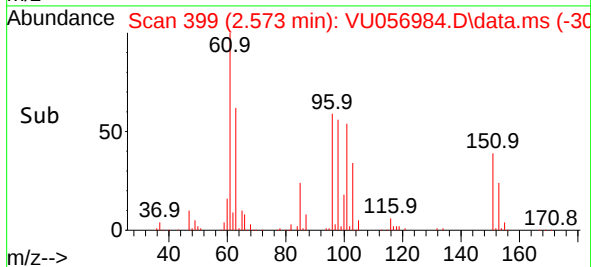
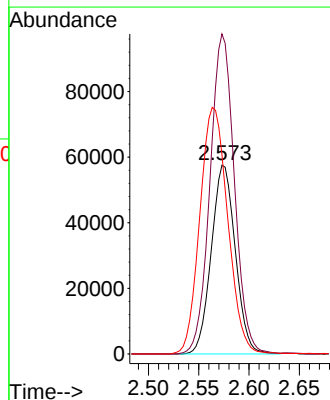
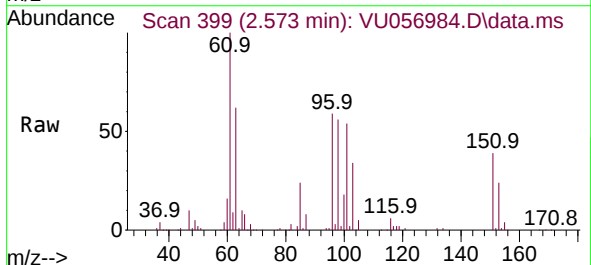
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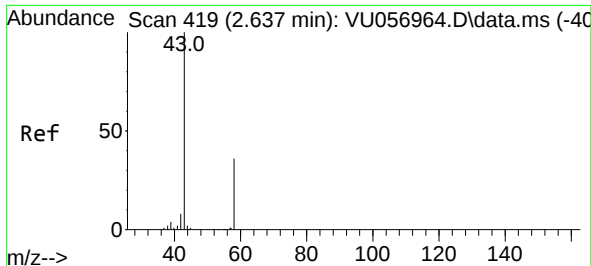
Tgt Ion:101 Resp: 98223
Ion Ratio Lower Upper
101 100
85 44.3 35.2 52.8
151 73.5 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.131 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 96 Resp: 95586
Ion Ratio Lower Upper
96 100
61 169.5 119.0 221.0
63 105.5 88.7 164.7





#13

Acetone

Concen: 42.005 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

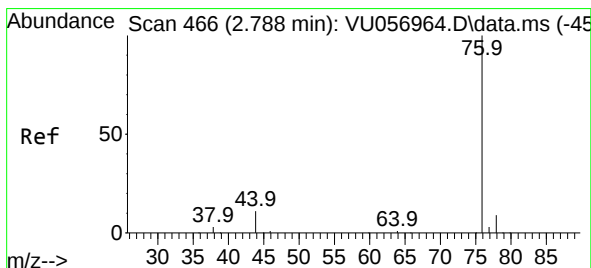
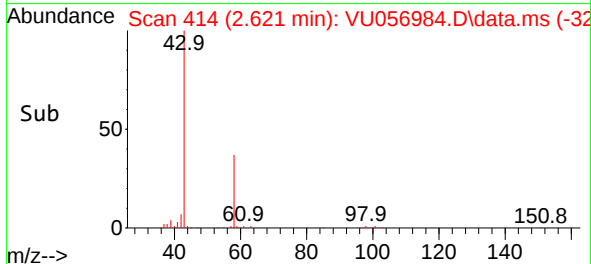
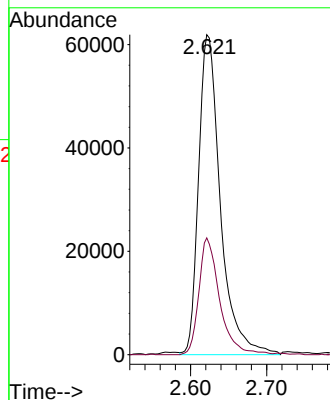
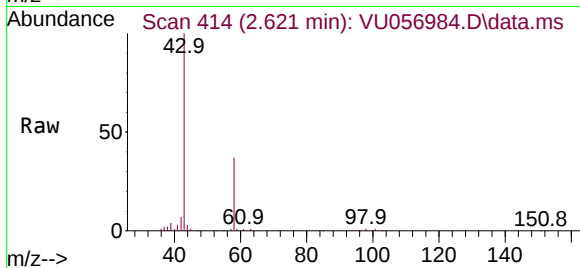
ClientSampleId :

Tgt Ion: 43 Resp: 123510

Ion Ratio Lower Upper

43 100

58 34.8 0.0 72.6



#14

Carbon disulfide

Concen: 3.715 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU056984.D

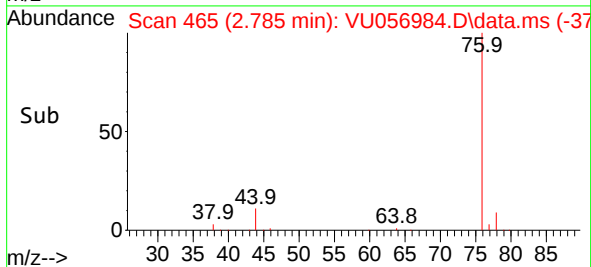
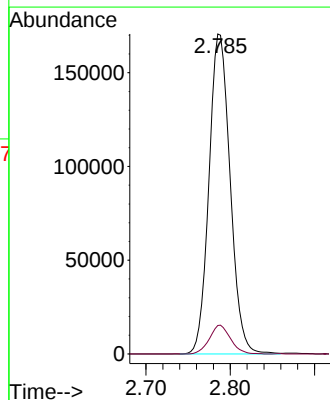
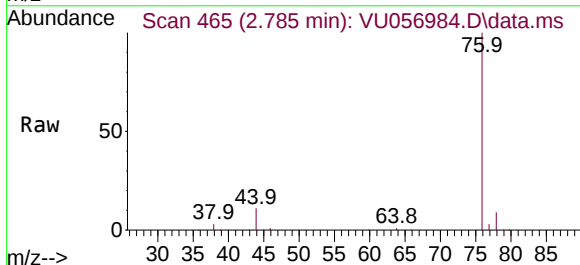
Acq: 17 Dec 2023 21:39

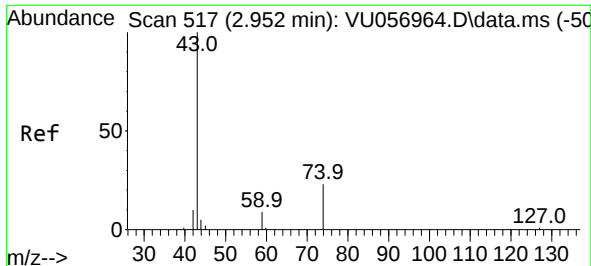
Tgt Ion: 76 Resp: 298279

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

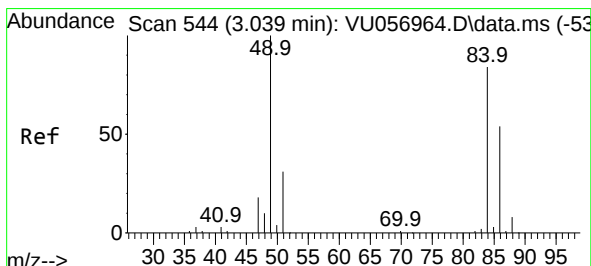
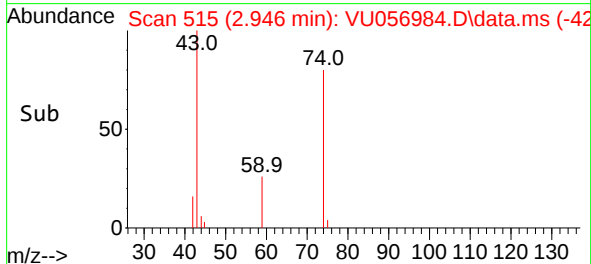
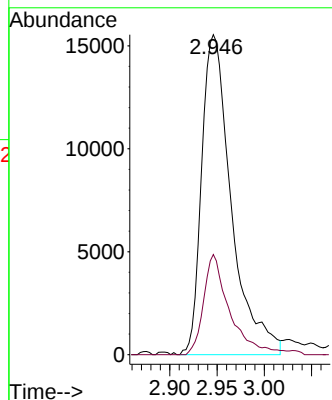
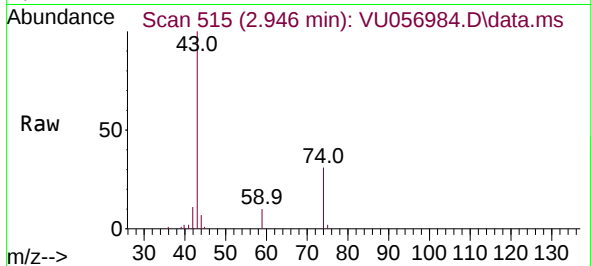




#15
Methyl Acetate
Concen: 4.246 ug/L
RT: 2.946 min Scan# 517
Delta R.T. -0.006 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

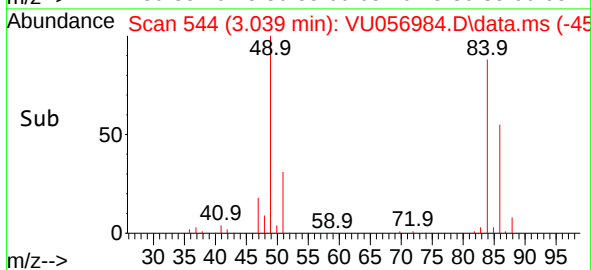
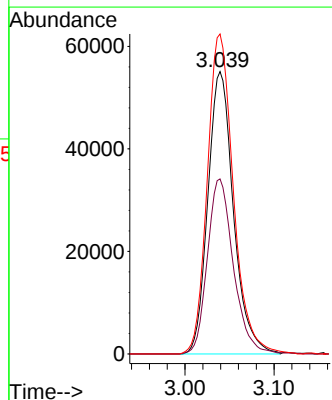
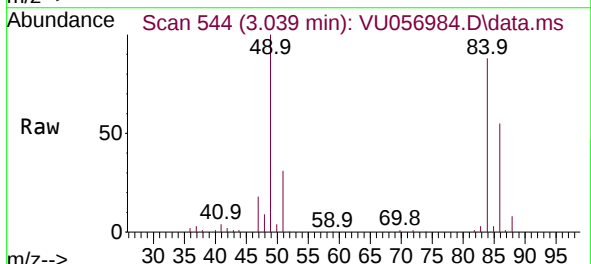
Instrument :
MSVOA_U
ClientSampleId :

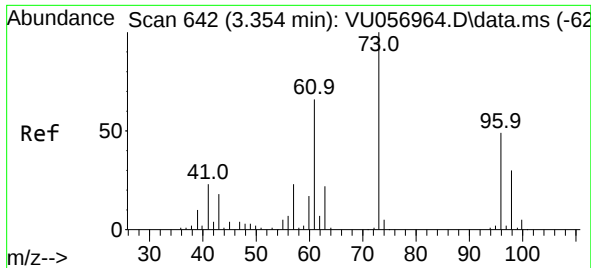
Tgt Ion: 43 Resp: 33987
Ion Ratio Lower Upper
43 100
74 27.4 21.0 31.6



#16
Methylene chloride
Concen: 4.365 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 84 Resp: 110039
Ion Ratio Lower Upper
84 100
86 62.0 43.6 81.0
49 113.3 80.6 149.6

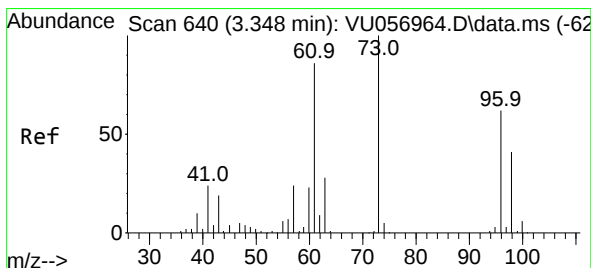
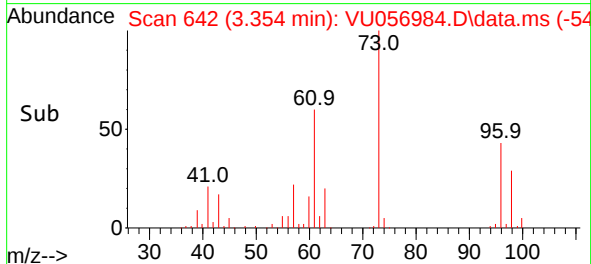
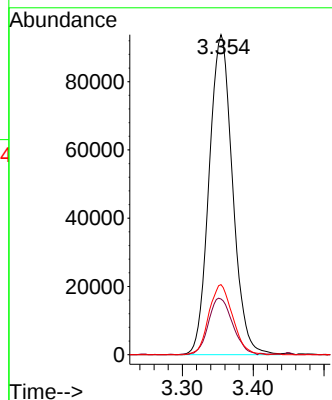
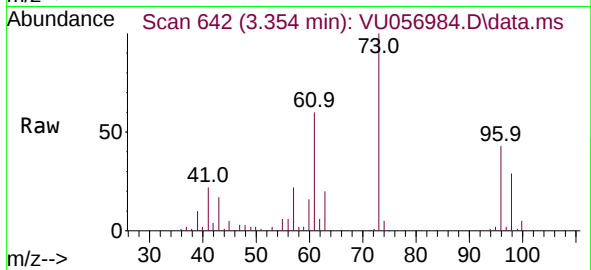




#17
Methyl tert-butyl Ether
Concen: 4.202 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

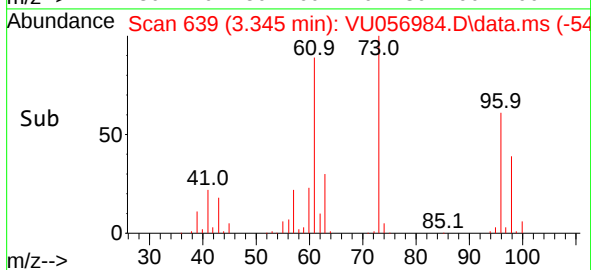
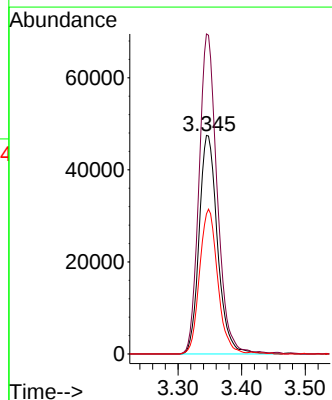
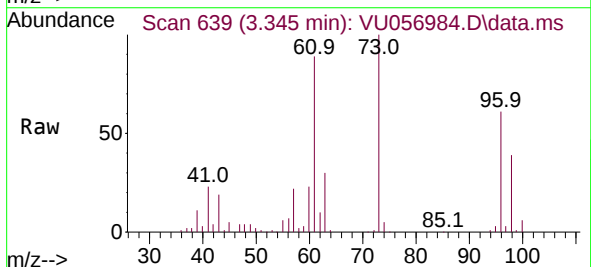
Instrument :
MSVOA_U
ClientSampleId :

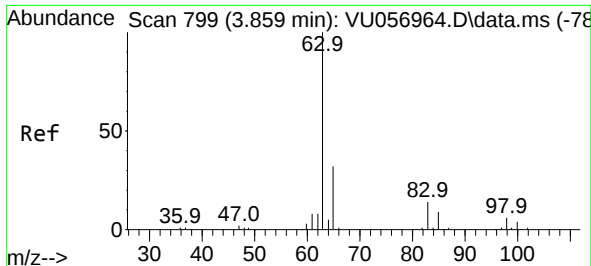
Tgt Ion: 73 Resp: 215629
Ion Ratio Lower Upper
73 100
43 18.3 14.4 21.6
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.067 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 96 Resp: 95410
Ion Ratio Lower Upper
96 100
61 146.4 101.8 189.0
98 64.1 43.0 79.8

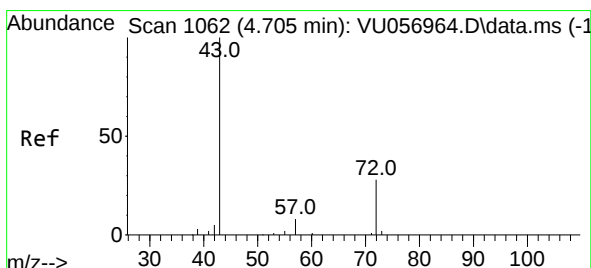
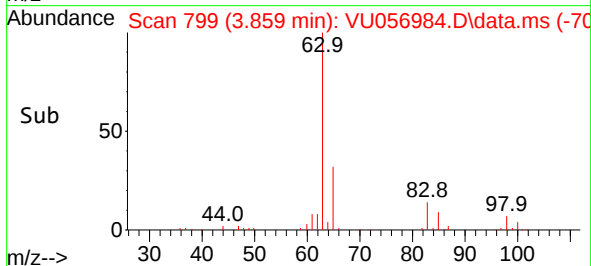
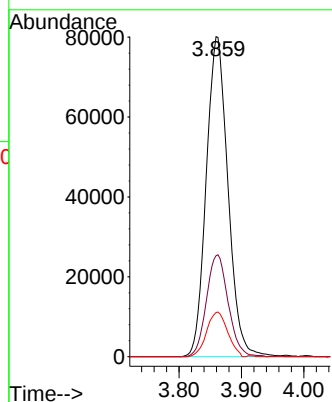
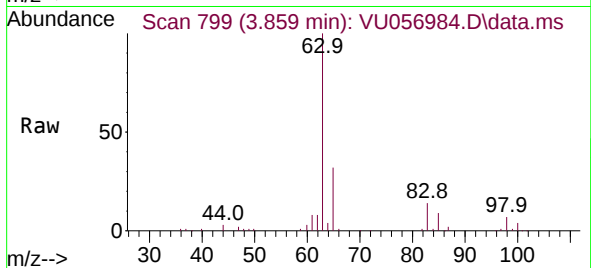




#19
1,1-Dichloroethane
Concen: 4.297 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

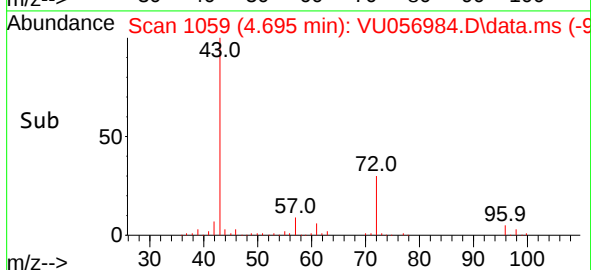
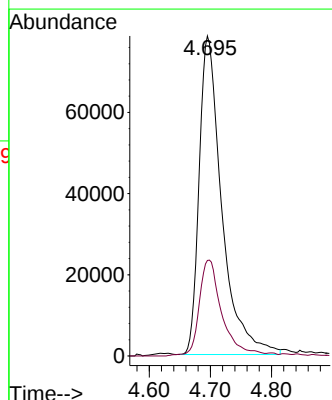
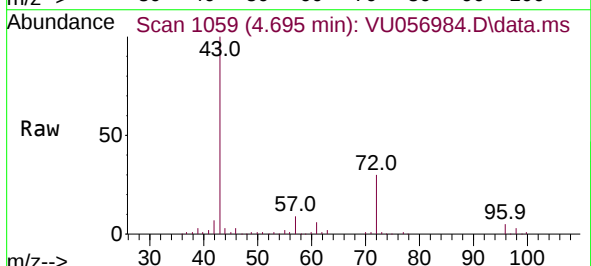
Instrument :
MSVOA_U
ClientSampleId :

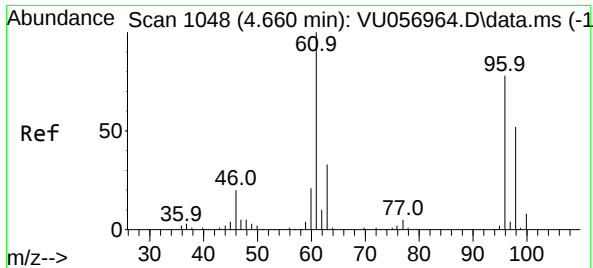
Tgt Ion: 63 Resp: 193922
Ion Ratio Lower Upper
63 100
65 31.6 22.9 42.5
83 13.8 10.1 18.9



#21
2-Butanone
Concen: 40.808 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.010 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 43 Resp: 202351
Ion Ratio Lower Upper
43 100
72 30.1 14.6 43.8

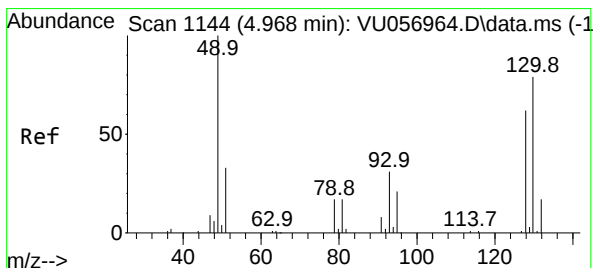
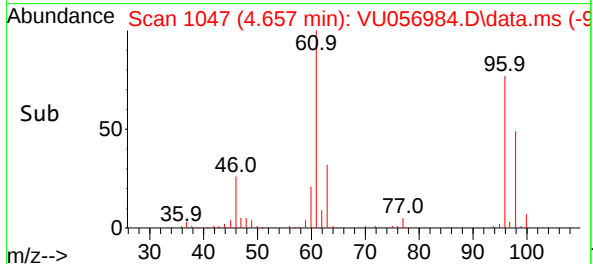
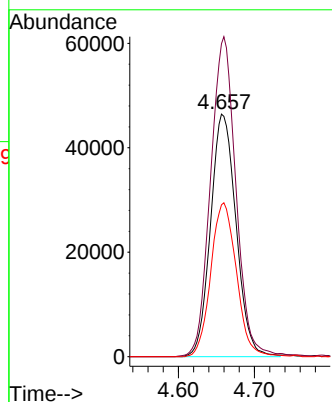
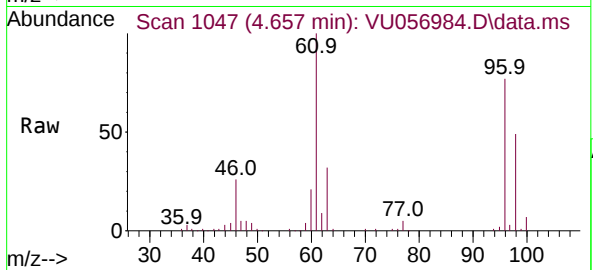




#22
 cis-1,2-Dichloroethene
 Concen: 4.240 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

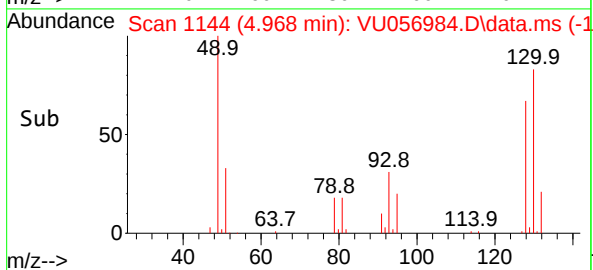
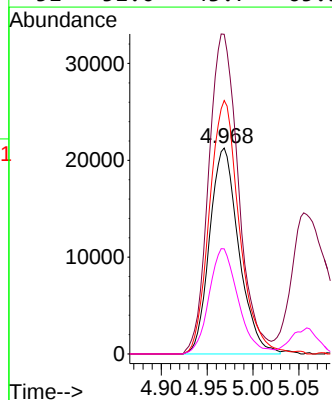
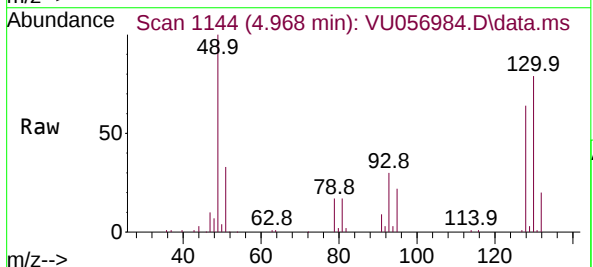
Instrument :
 MSVOA_U
 ClientSampleId :

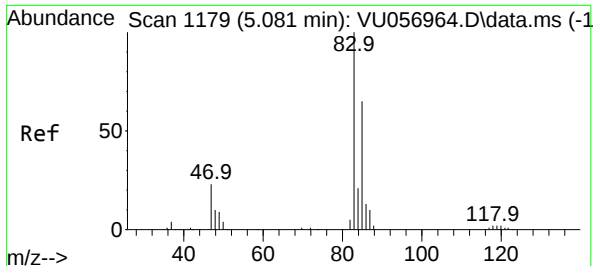
Tgt Ion: 96 Resp: 108231
 Ion Ratio Lower Upper
 96 100
 61 129.0 91.3 169.6
 98 62.6 44.2 82.0



#23
 Bromochloromethane
 Concen: 4.395 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056984.D
 Acq: 17 Dec 2023 21:39

Tgt Ion:128 Resp: 46962
 Ion Ratio Lower Upper
 128 100
 49 155.2 113.8 211.3
 130 123.1 90.6 168.3
 51 51.0 43.7 65.5





#25

Chloroform

Concen: 4.290 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

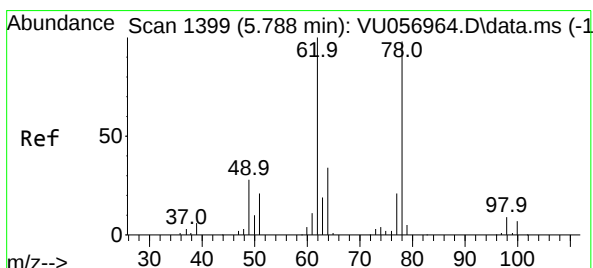
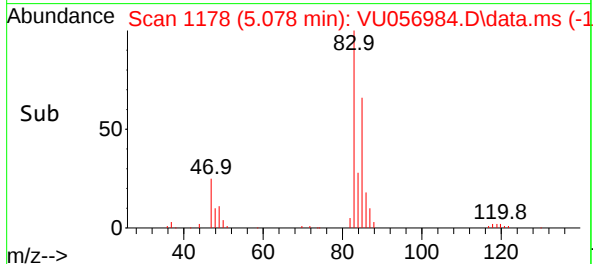
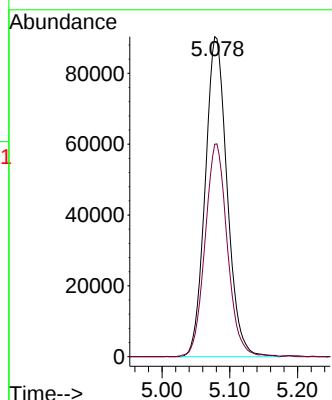
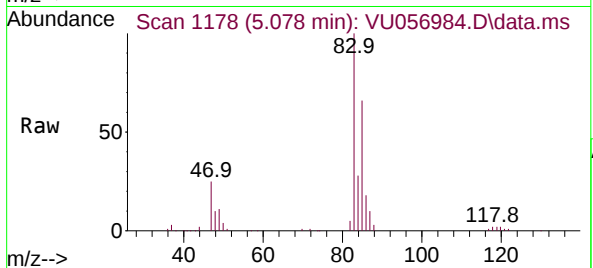
ClientSampleId :

Tgt Ion: 83 Resp: 202820

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.206 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU056984.D

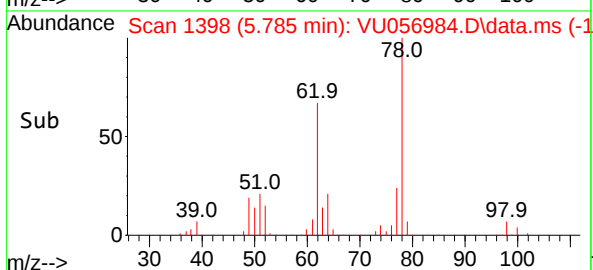
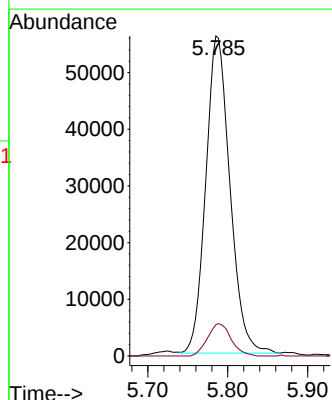
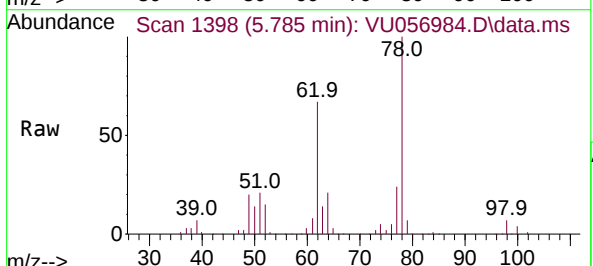
Acq: 17 Dec 2023 21:39

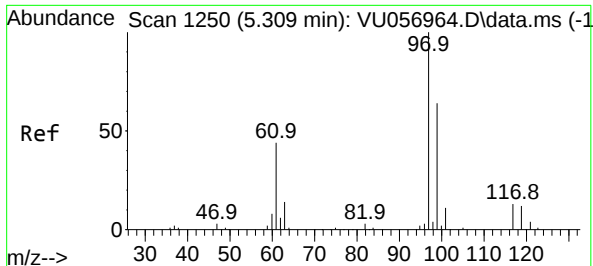
Tgt Ion: 62 Resp: 117598

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.708 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

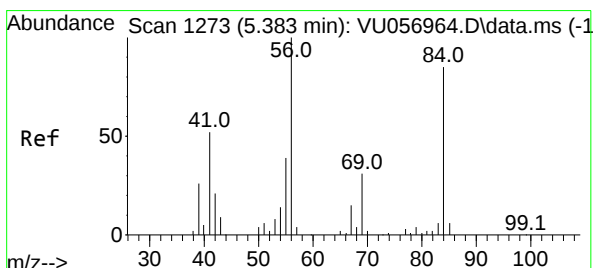
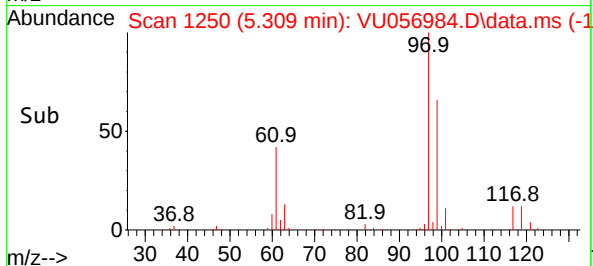
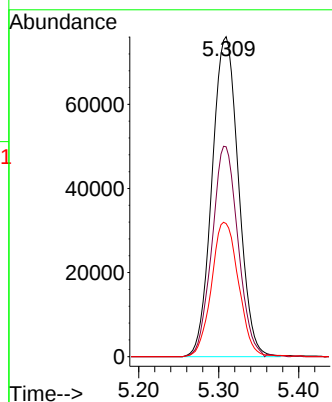
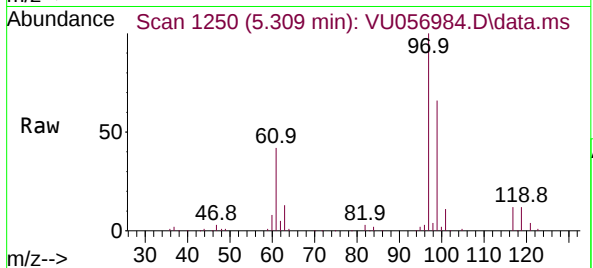
Tgt Ion: 97 Resp: 174768

Ion Ratio Lower Upper

97 100

99 64.7 52.5 78.7

61 43.0 34.2 51.2



#30

Cyclohexane

Concen: 4.064 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

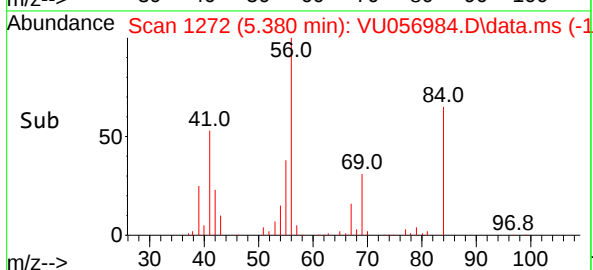
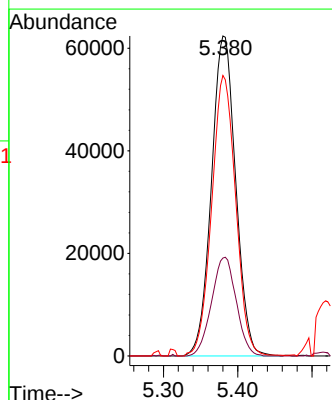
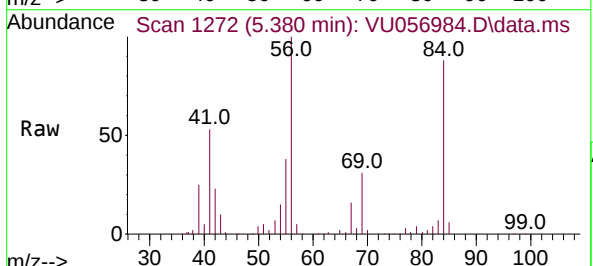
Tgt Ion: 56 Resp: 141590

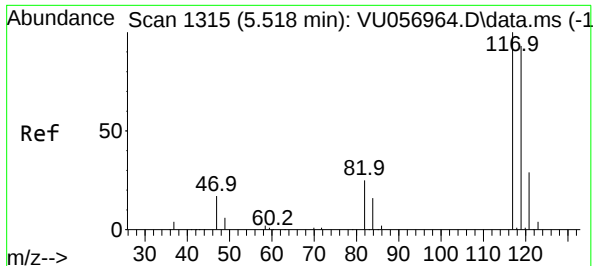
Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 86.6 67.6 101.4

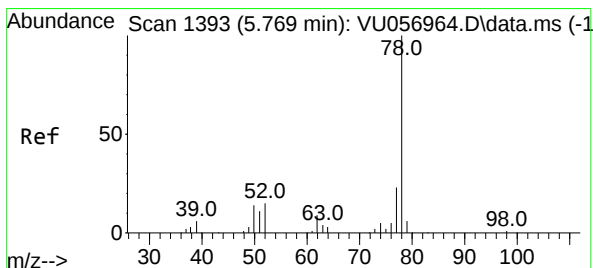
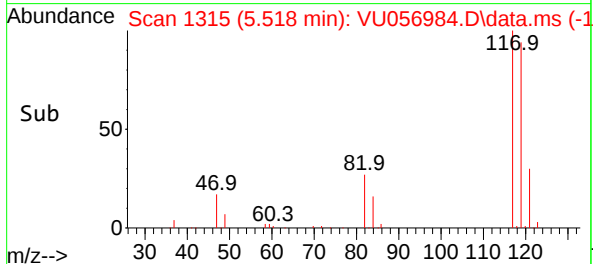
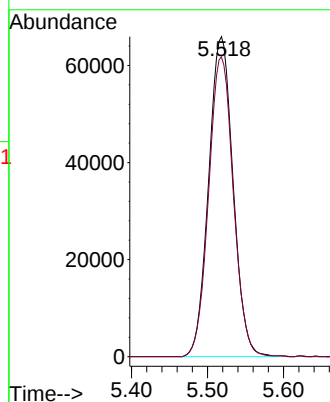
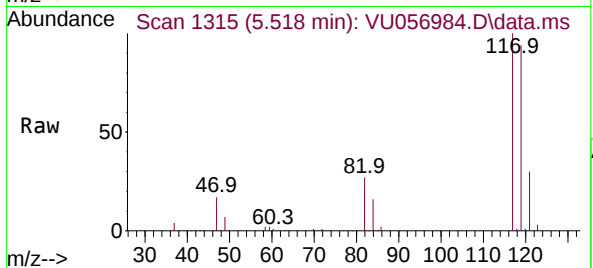




#31
Carbon tetrachloride
Concen: 4.562 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

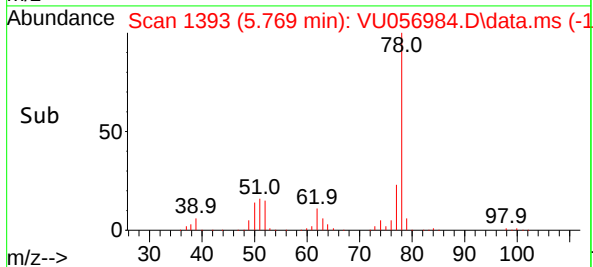
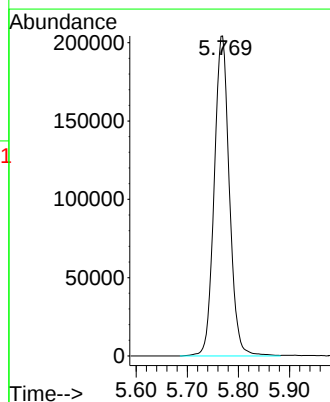
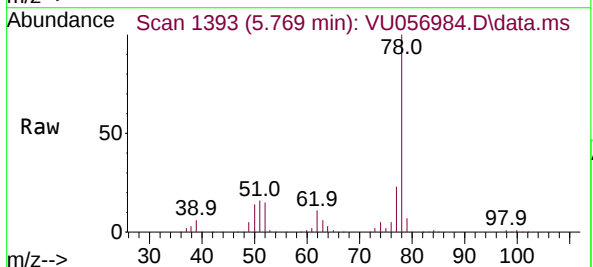
Instrument :
MSVOA_U
ClientSampleId :

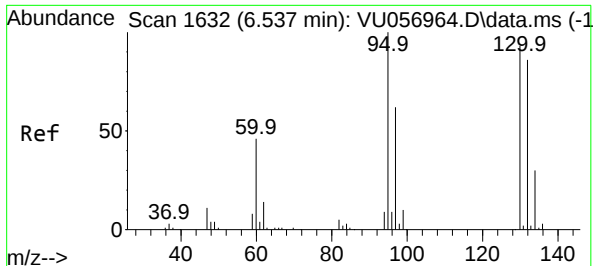
Tgt Ion:117 Resp: 147188
Ion Ratio Lower Upper
117 100
119 94.4 76.2 114.4



#33
Benzene
Concen: 4.672 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 78 Resp: 421620

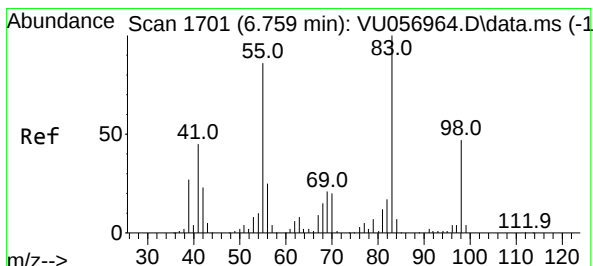
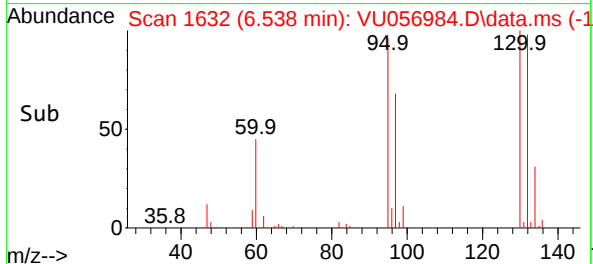
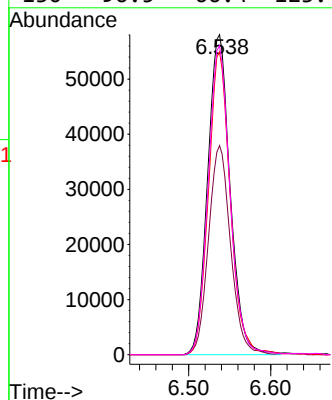
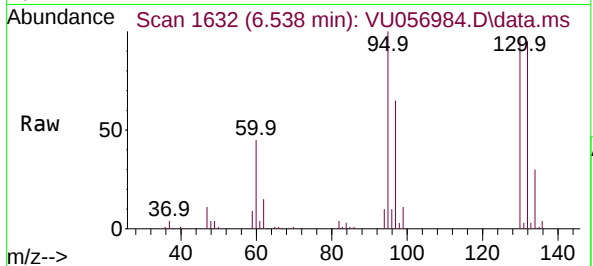




#34
Trichloroethene
Concen: 4.469 ug/L
RT: 6.538 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

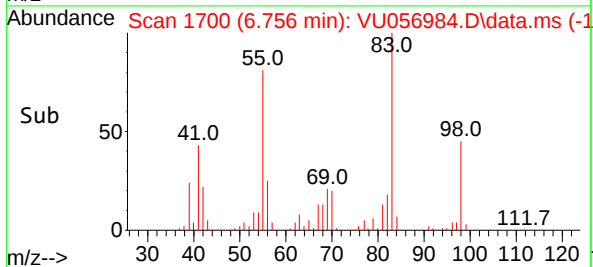
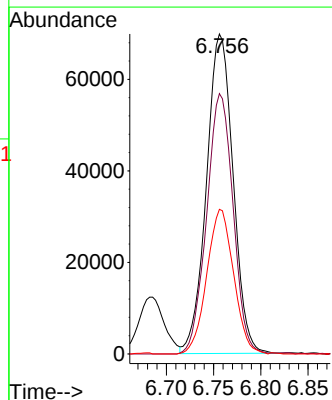
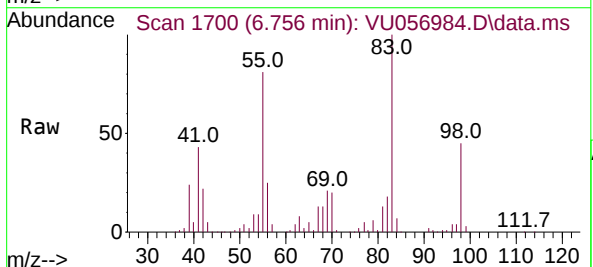
Instrument :
MSVOA_U
ClientSampleId :

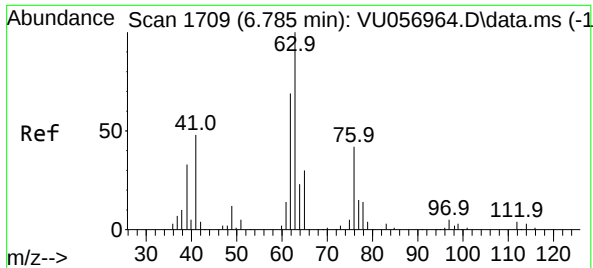
Tgt Ion: 95 Resp: 110625
Ion Ratio Lower Upper
95 100
97 65.3 46.1 85.5
132 94.6 63.6 118.0
130 96.5 66.4 123.4



#35
Methylcyclohexane
Concen: 3.749 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 83 Resp: 136964
Ion Ratio Lower Upper
83 100
55 80.8 64.6 97.0
98 45.5 36.1 54.1

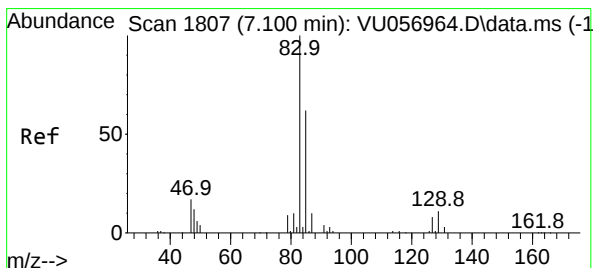
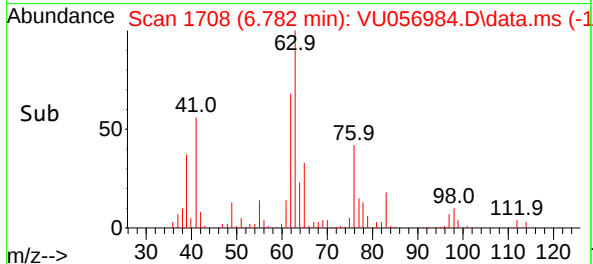
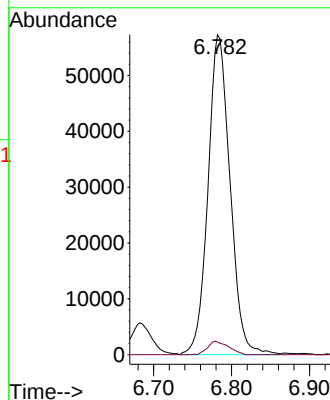
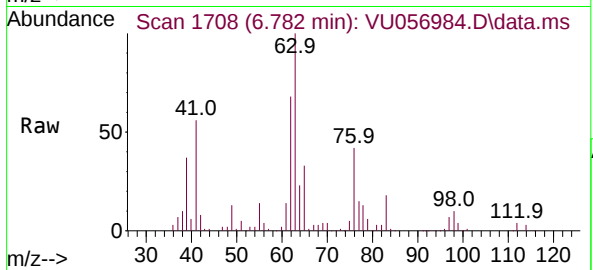




#37
1,2-Dichloropropane
Concen: 4.892 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

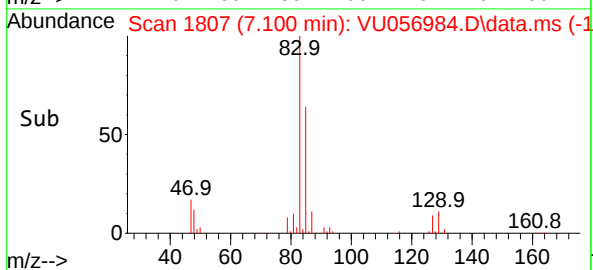
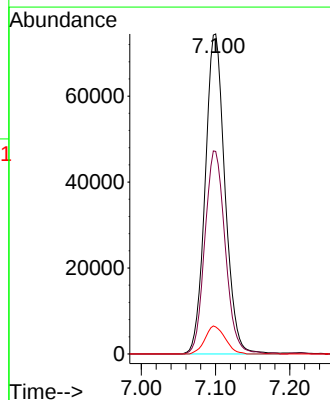
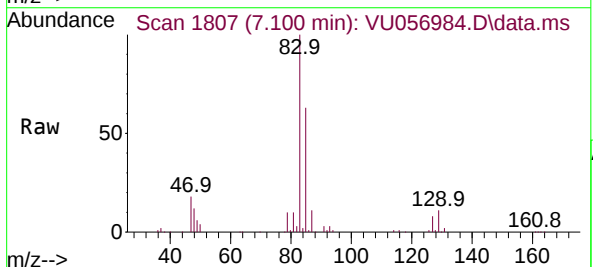
Instrument :
MSVOA_U
ClientSampleId :

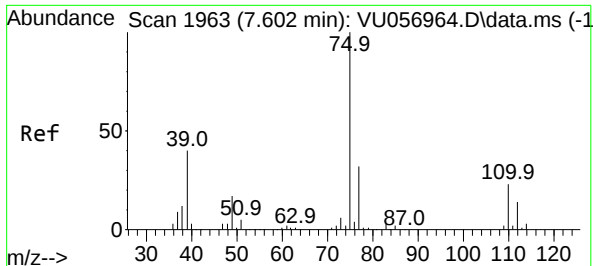
Tgt Ion: 63 Resp: 112939
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9



#38
Bromodichloromethane
Concen: 4.671 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion: 83 Resp: 137518
Ion Ratio Lower Upper
83 100
85 63.3 45.0 83.6
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.169 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

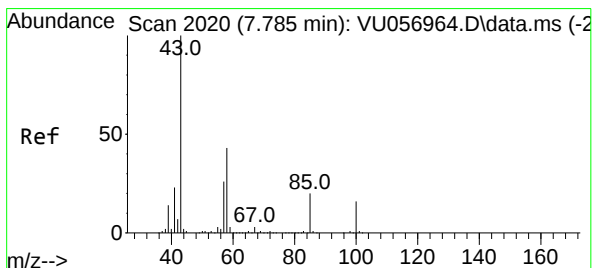
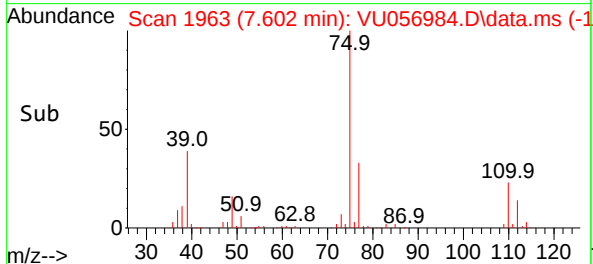
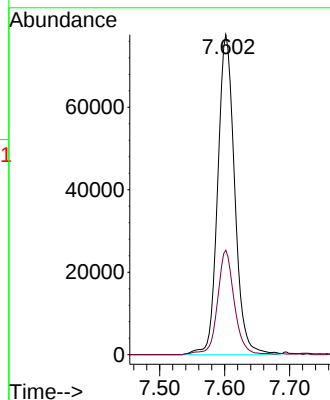
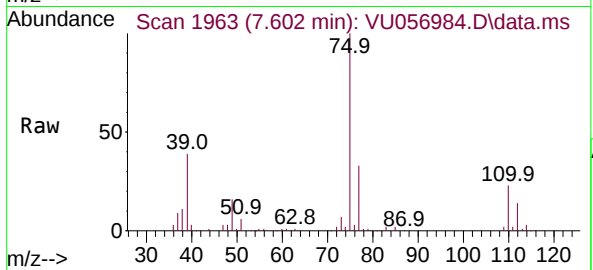
ClientSampleId :

Tgt Ion: 75 Resp: 140279

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 48.177 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

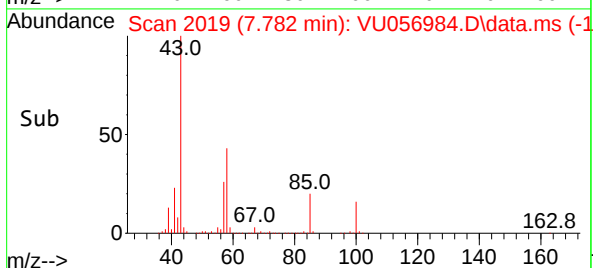
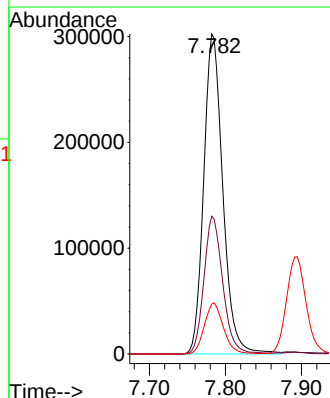
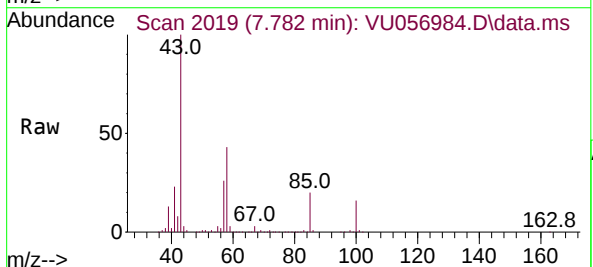
Tgt Ion: 43 Resp: 528098

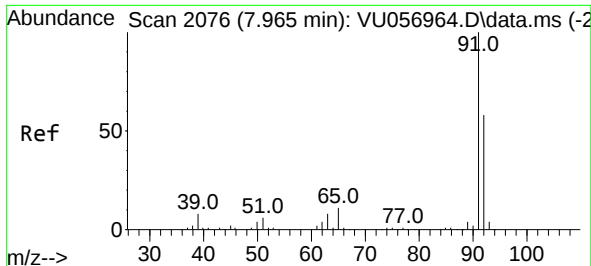
Ion Ratio Lower Upper

43 100

58 42.4 33.7 50.5

100 15.9 13.0 19.4





#42

Toluene

Concen: 4.759 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

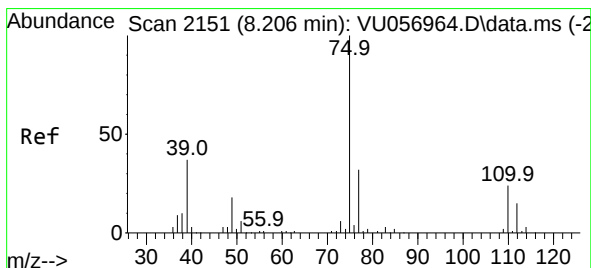
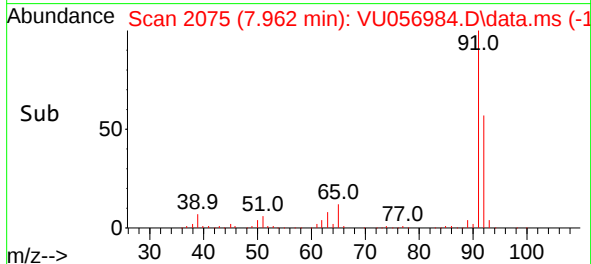
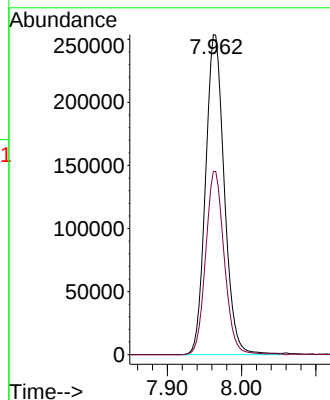
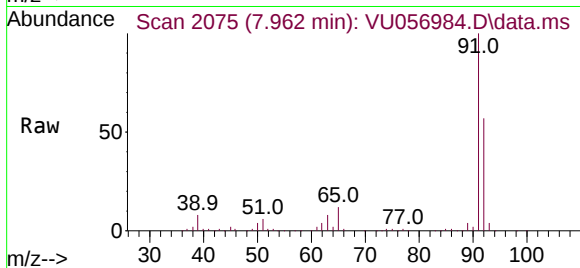
ClientSampleId :

Tgt Ion: 91 Resp: 444355

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.215 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056984.D

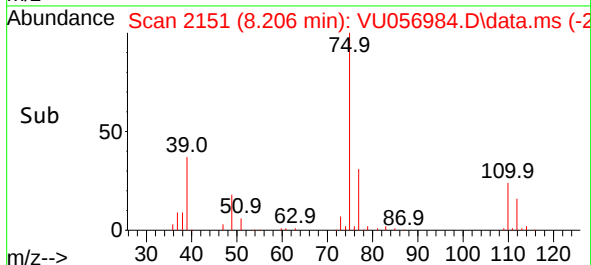
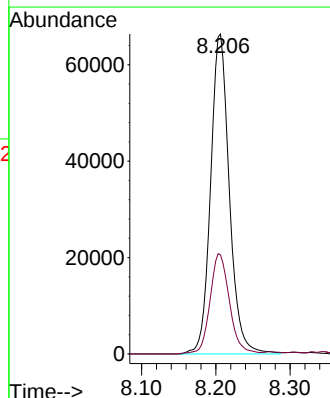
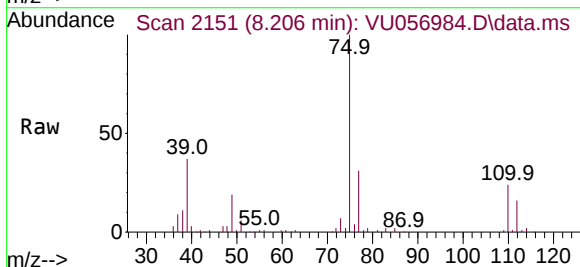
Acq: 17 Dec 2023 21:39

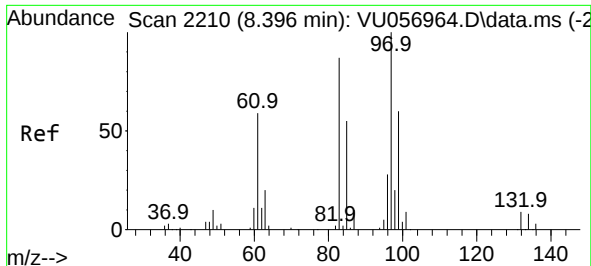
Tgt Ion: 75 Resp: 116222

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

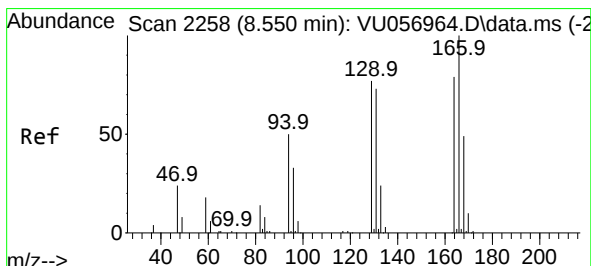
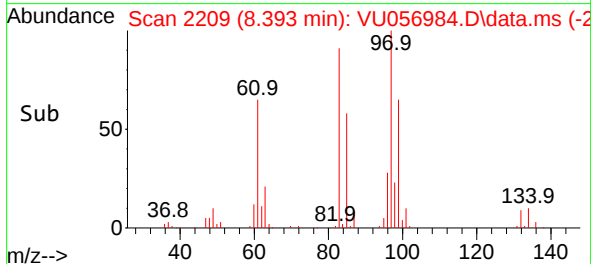
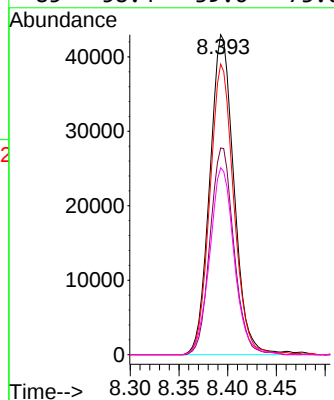
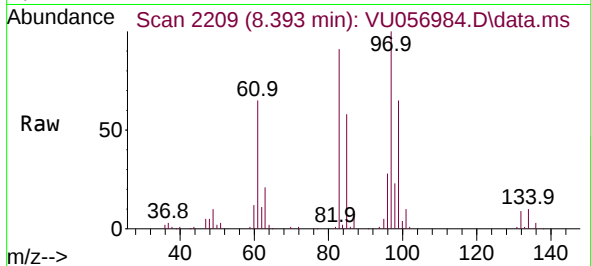




#45
1,1,2-Trichloroethane
Concen: 4.753 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

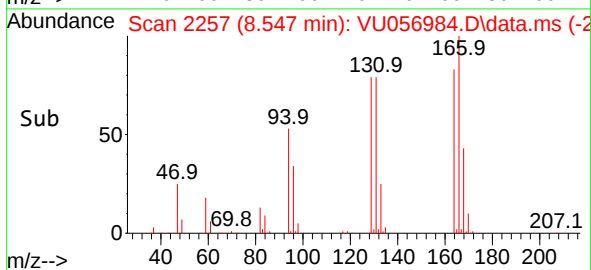
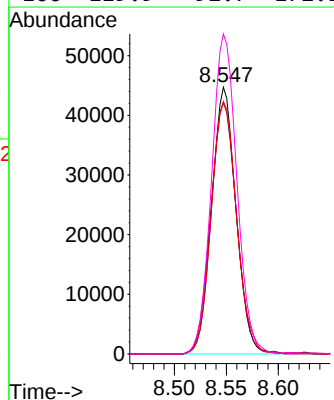
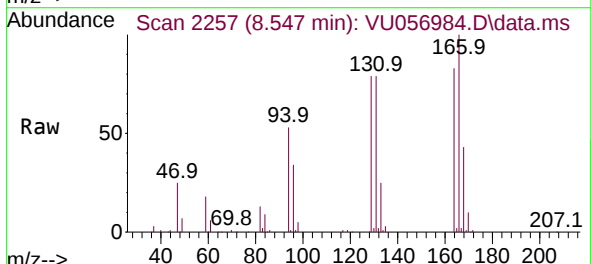
Instrument :
MSVOA_U
ClientSampleId :

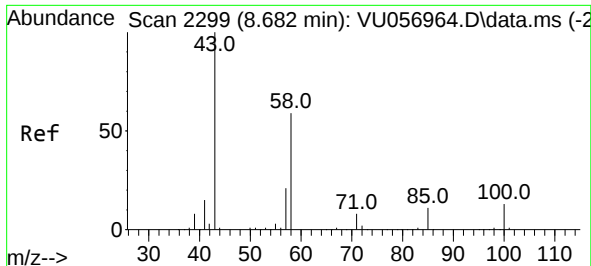
Tgt Ion:	97	Resp:	74180
Ion	Ratio	Lower	Upper
97	100		
99	64.6	41.9	77.9
83	90.8	59.1	109.7
85	58.4	39.6	73.6



#47
Tetrachloroethene
Concen: 4.206 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:	164	Resp:	72860
Ion	Ratio	Lower	Upper
164	100		
129	94.2	73.4	136.4
131	94.7	71.5	132.9
166	119.9	92.7	172.1

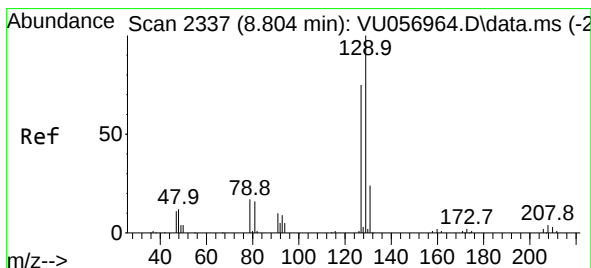
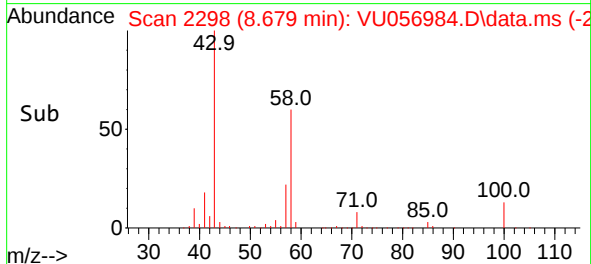
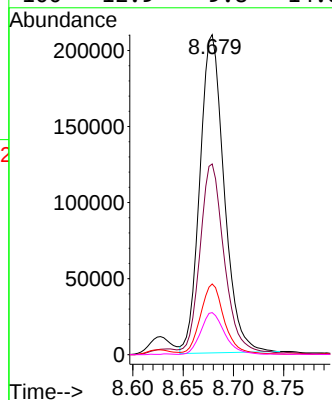
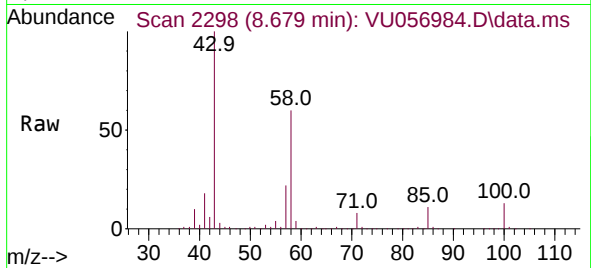




#48
2-Hexanone
Concen: 45.005 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

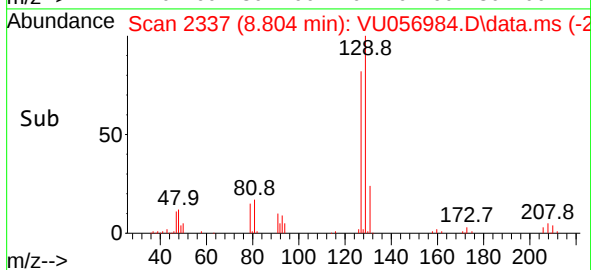
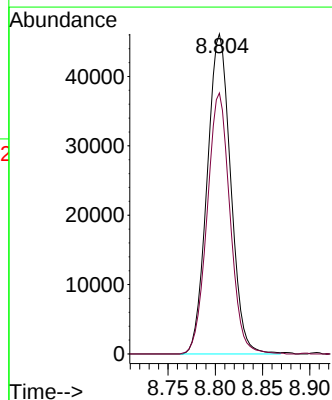
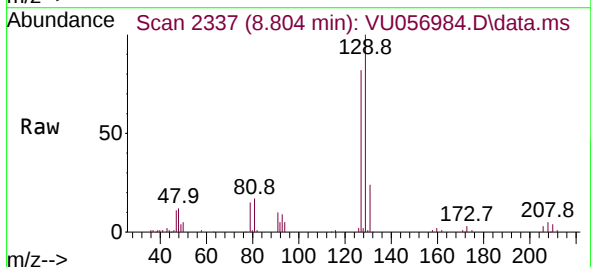
Instrument :
MSVOA_U
ClientSampleId :

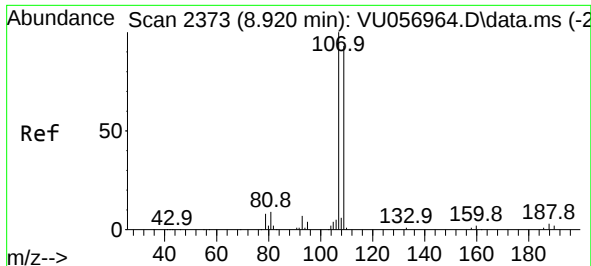
Tgt Ion: 43	Resp: 351365
Ion Ratio	Lower Upper
43 100	
58 59.6	47.5 71.3
57 21.7	17.0 25.4
100 12.9	9.8 14.8



#49
Dibromochloromethane
Concen: 4.448 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:129	Resp:	79786	
Ion	Ratio	Lower	Upper
129	100		
127	81.6	53.9	100.1





#50

1,2-Dibromoethane

Concen: 4.512 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

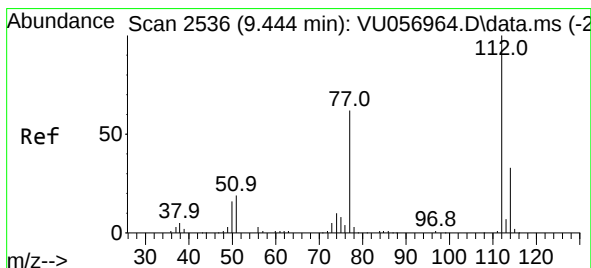
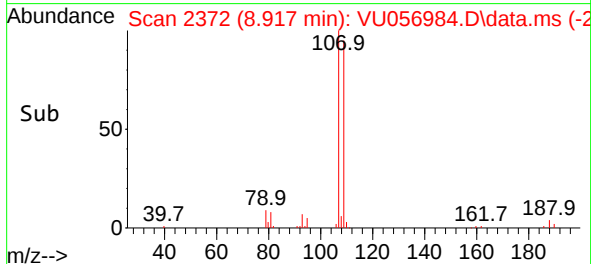
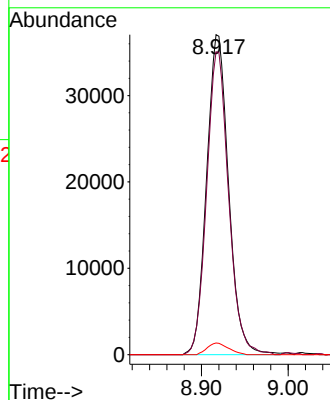
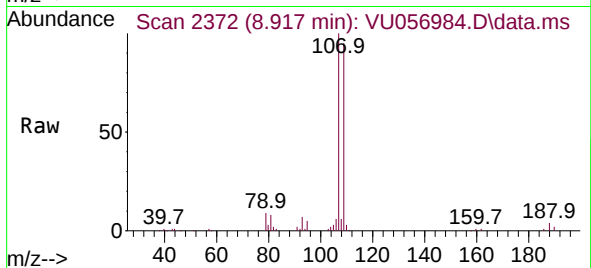
Tgt Ion:107 Resp: 65359

Ion Ratio Lower Upper

107 100

109 94.6 66.5 123.5

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 4.281 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

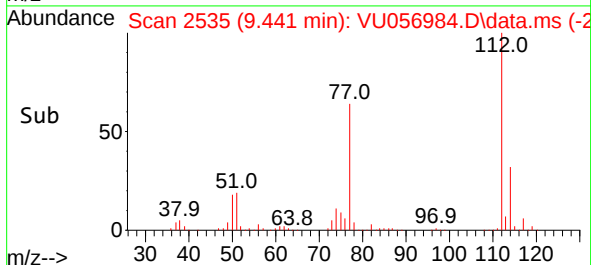
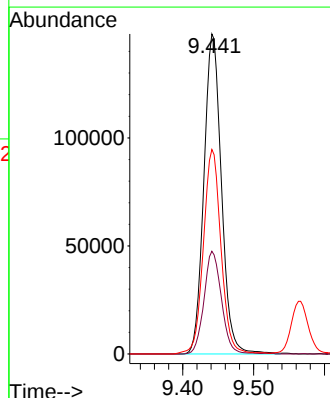
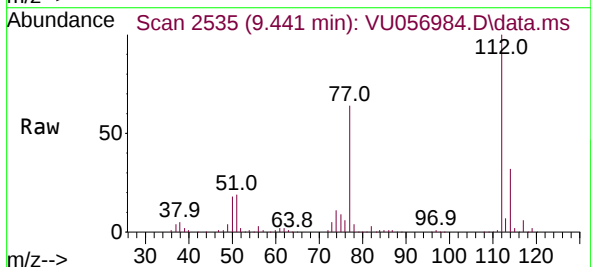
Tgt Ion:112 Resp: 254769

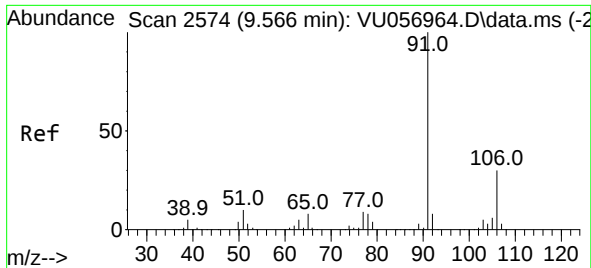
Ion Ratio Lower Upper

112 100

114 32.1 21.9 40.7

77 63.9 51.6 77.4

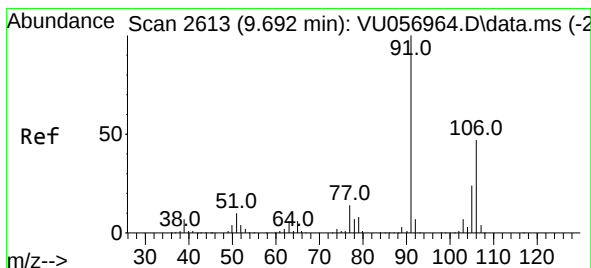
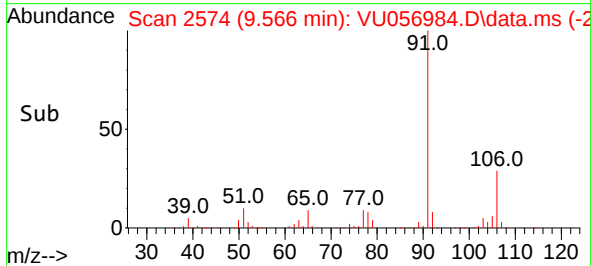
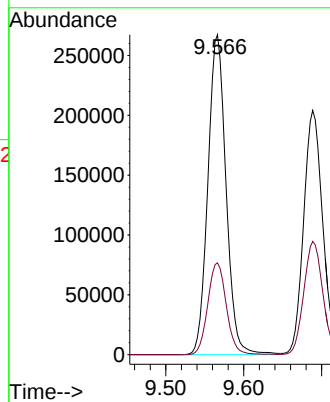
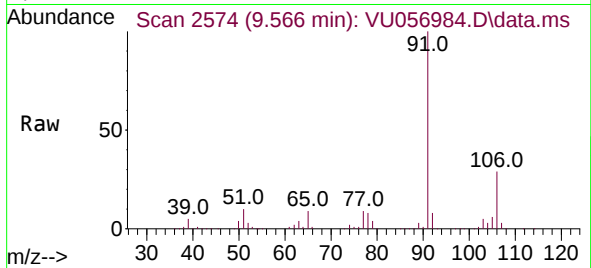




#52
Ethylbenzene
Concen: 4.204 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

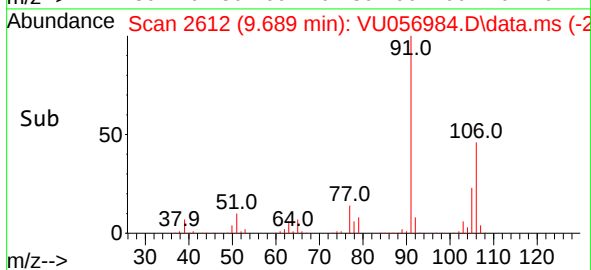
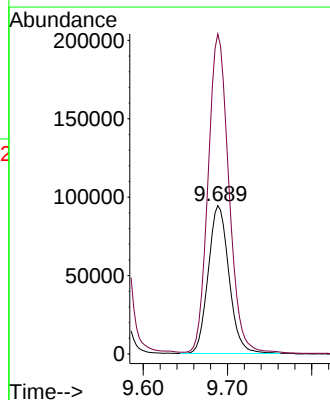
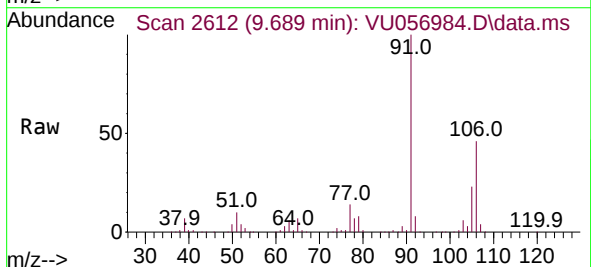
Instrument :
MSVOA_U
ClientSampleId :

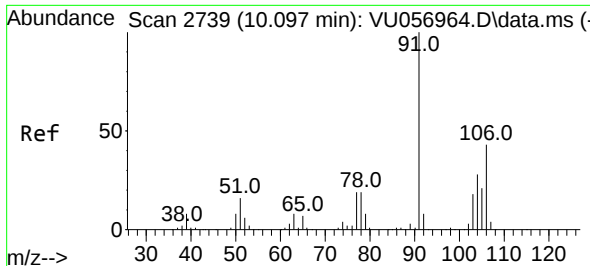
Tgt Ion: 91 Resp: 433053
Ion Ratio Lower Upper
91 100
106 28.7 20.6 38.4



#53
m,p-Xylene
Concen: 4.210 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:106 Resp: 161541
Ion Ratio Lower Upper
106 100
91 215.7 154.0 286.0

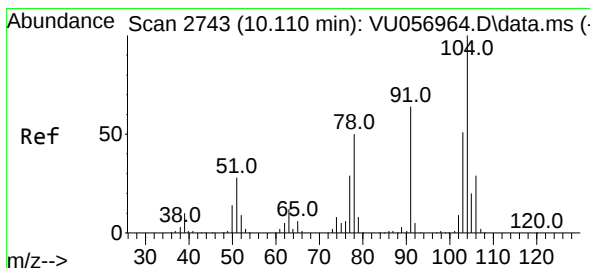
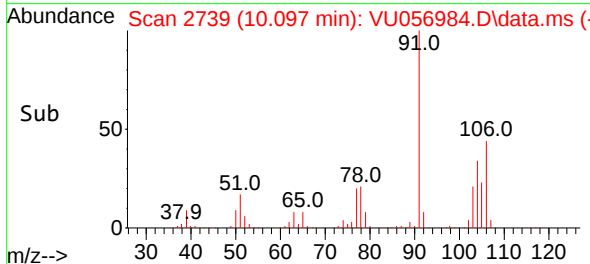
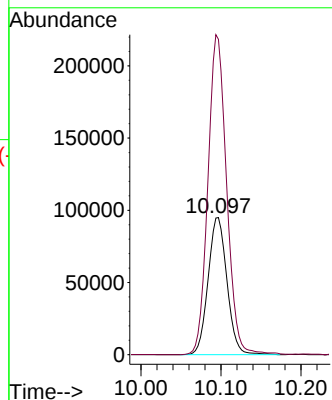
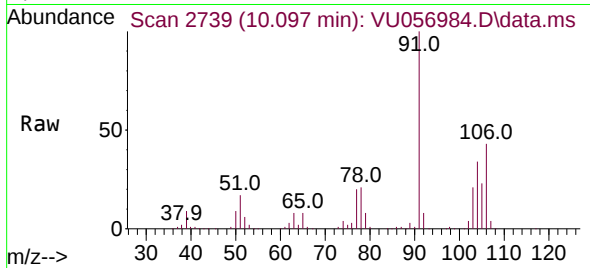




#54
o-Xylene
Concen: 4.271 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

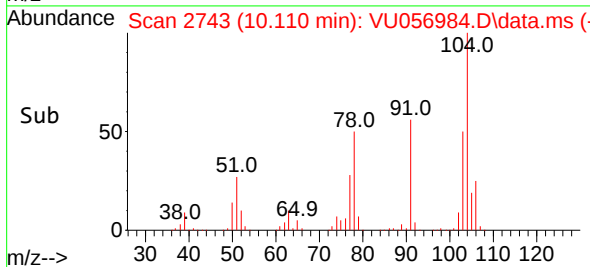
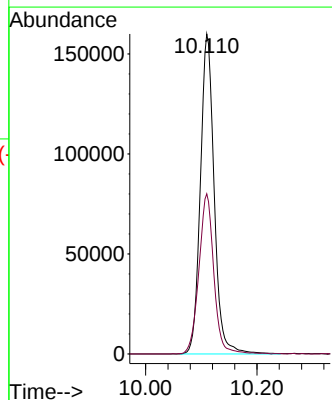
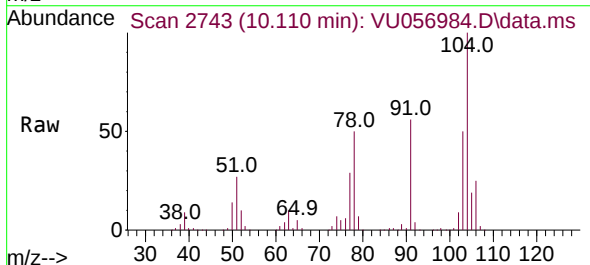
Instrument :
MSVOA_U
ClientSampleId :

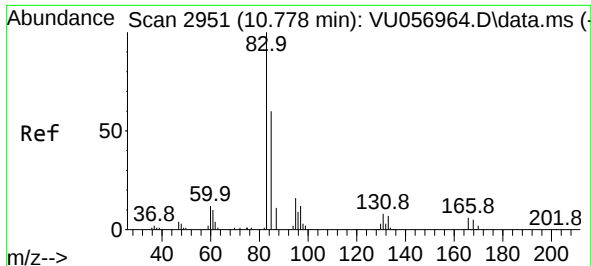
Tgt Ion:106 Resp: 156149
Ion Ratio Lower Upper
106 100
91 230.0 160.2 297.6



#55
Styrene
Concen: 4.598 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:104 Resp: 276069
Ion Ratio Lower Upper
104 100
78 50.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.473 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056984.D

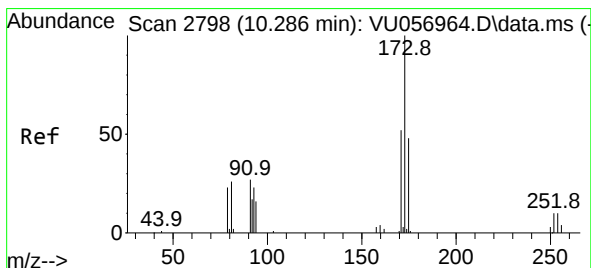
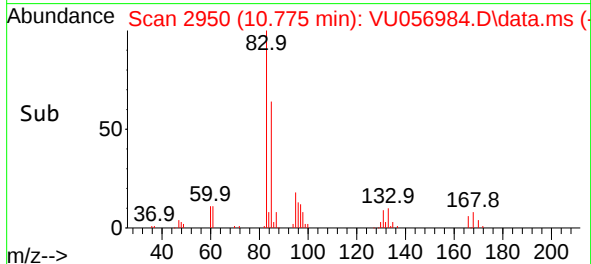
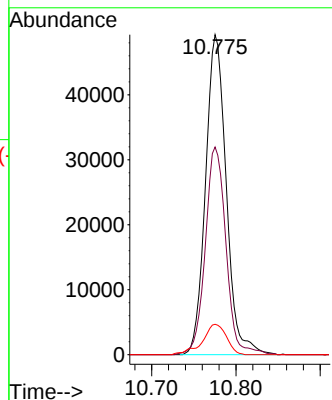
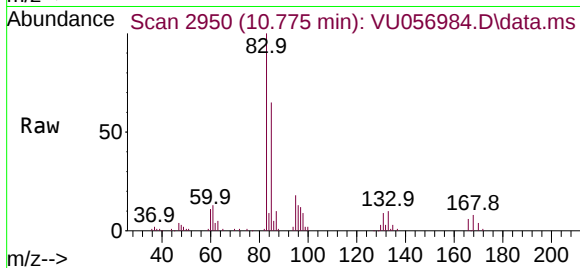
Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	84345
Ion Ratio	Lower	Upper	
83	100		
85	64.9	45.4	84.4
131	9.5	6.6	9.8



#59

Bromoform

Concen: 4.197 ug/L

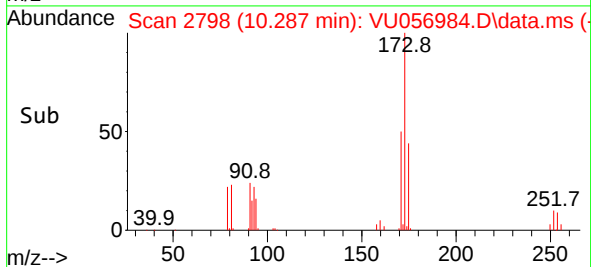
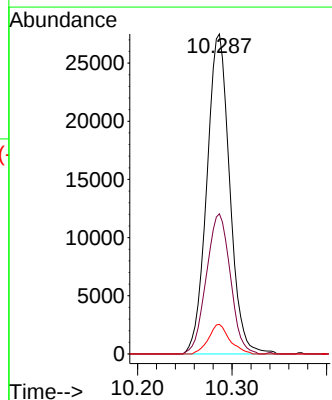
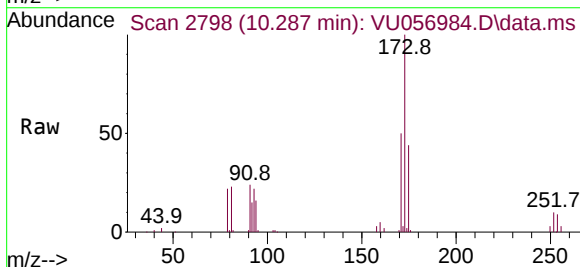
RT: 10.287 min Scan# 2798

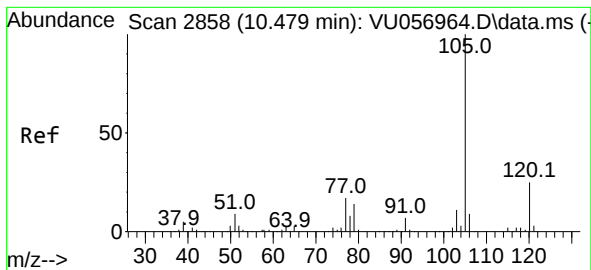
Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Tgt Ion:	173	Resp:	46209
Ion Ratio	Lower	Upper	
173	100		
175	45.9	38.2	57.2
254	8.6	7.0	10.4





#60

Isopropylbenzene

Concen: 3.981 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

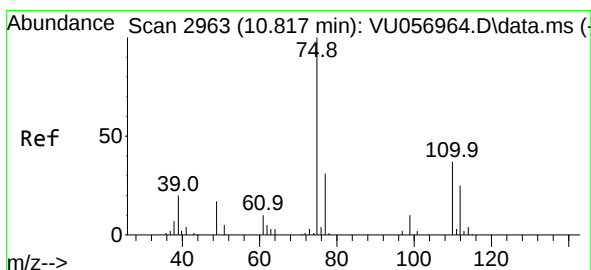
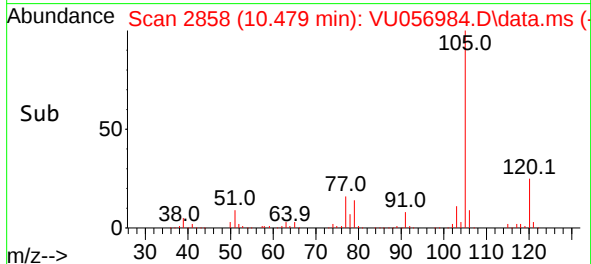
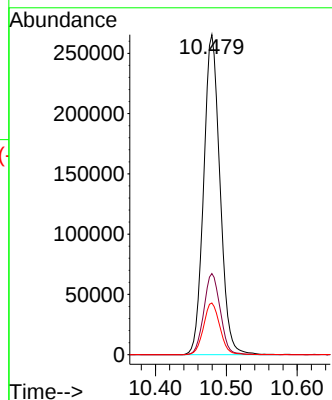
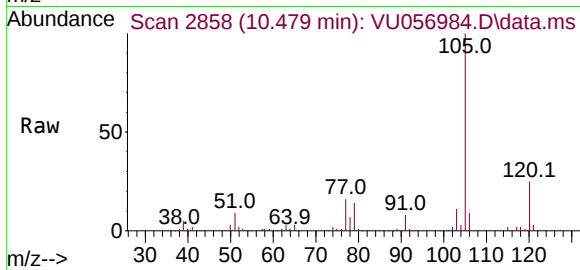
Tgt Ion:105 Resp: 424022

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

77 16.3 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 3.958 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

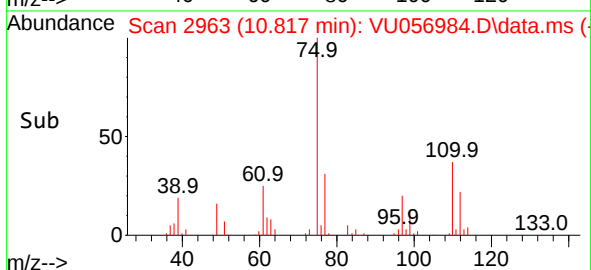
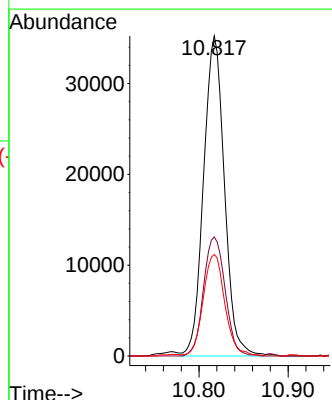
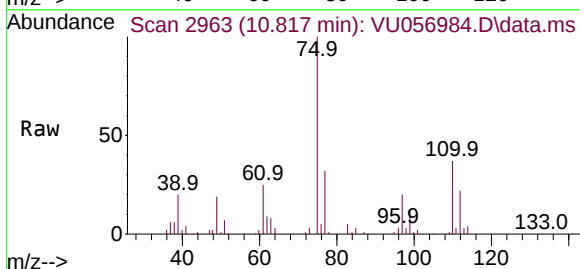
Tgt Ion: 75 Resp: 57304

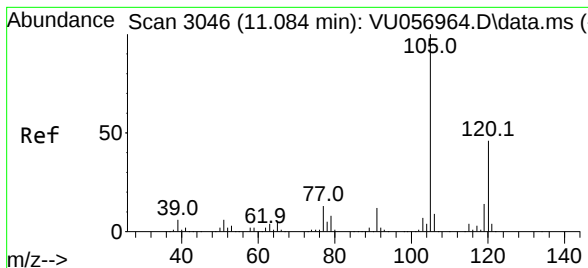
Ion Ratio Lower Upper

75 100

110 38.4 28.4 42.6

77 32.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 3.765 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

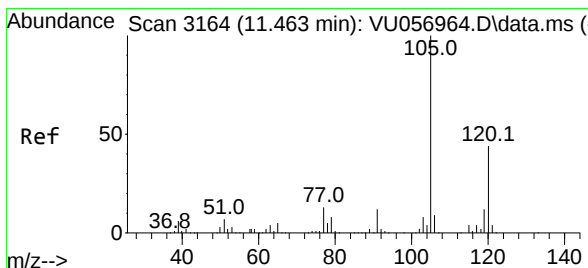
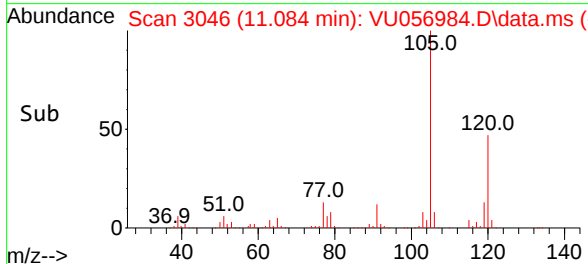
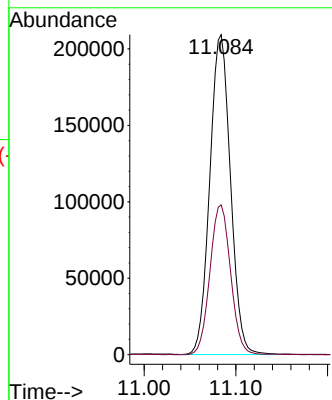
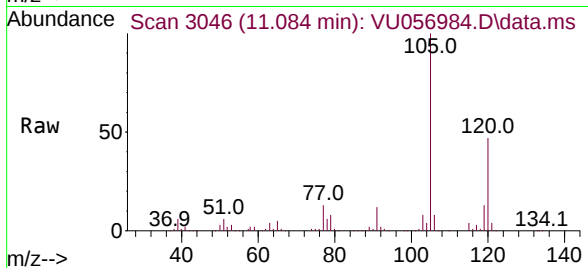
ClientSampleId :

Tgt Ion:105 Resp: 327776

Ion Ratio Lower Upper

105 100

120 46.9 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.020 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056984.D

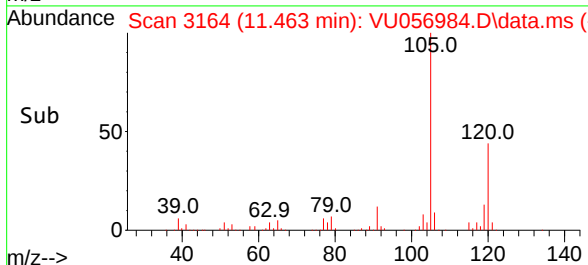
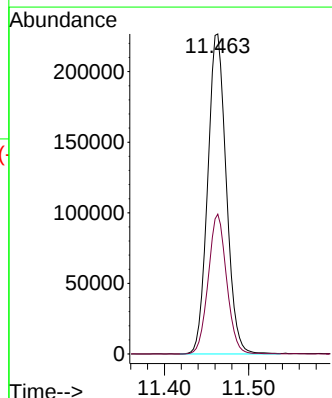
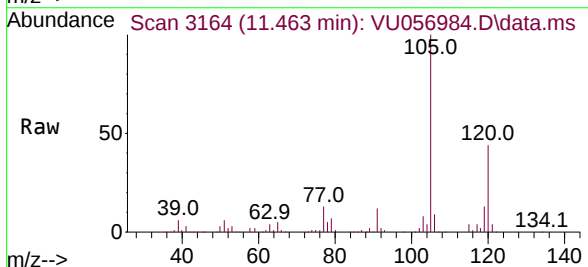
Acq: 17 Dec 2023 21:39

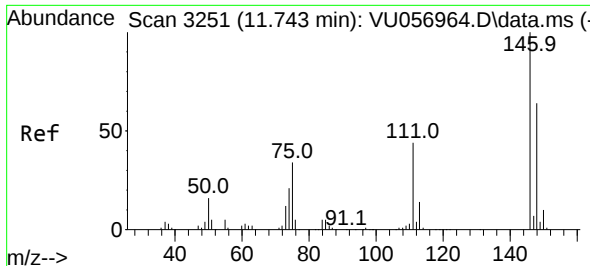
Tgt Ion:105 Resp: 347628

Ion Ratio Lower Upper

105 100

120 43.2 34.2 51.4

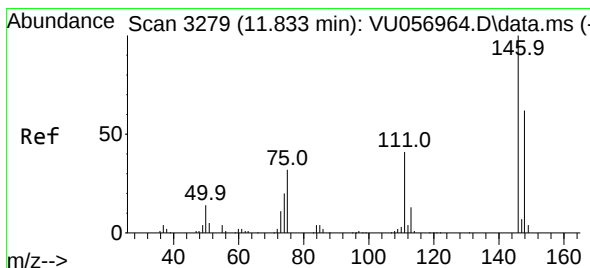
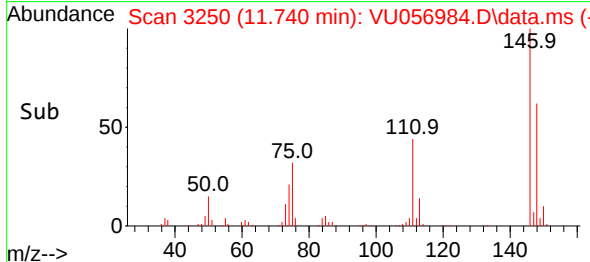
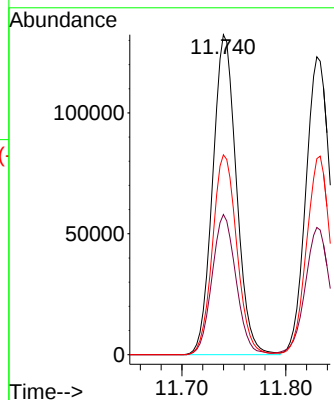
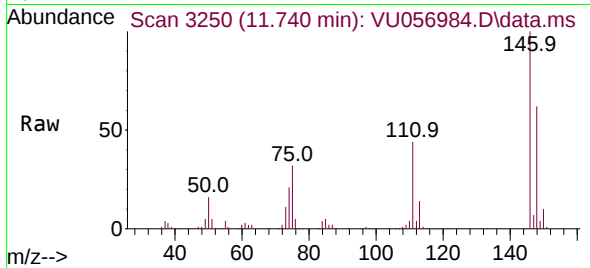




#64
1,3-Dichlorobenzene
Concen: 4.173 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

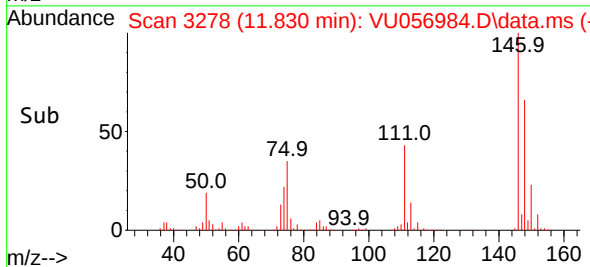
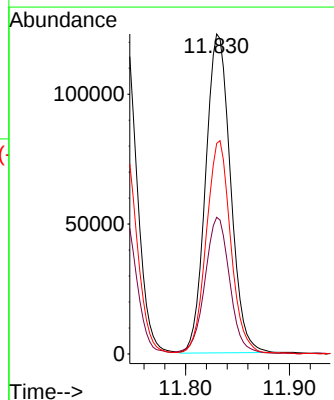
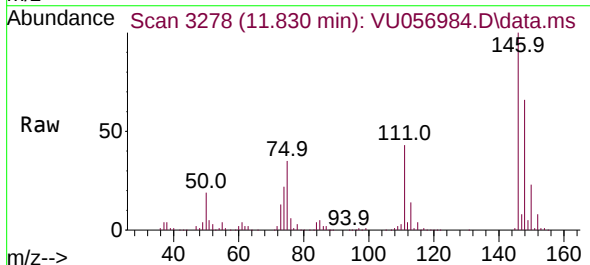
Instrument :
MSVOA_U
ClientSampleId :

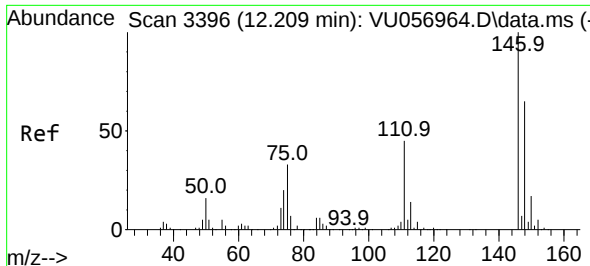
Tgt Ion:146 Resp: 210286
Ion Ratio Lower Upper
146 100
111 43.8 31.7 58.9
148 62.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.121 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056984.D
Acq: 17 Dec 2023 21:39

Tgt Ion:146 Resp: 204497
Ion Ratio Lower Upper
146 100
111 42.7 31.2 58.0
148 65.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.277 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

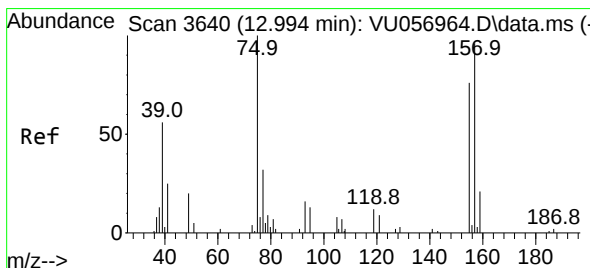
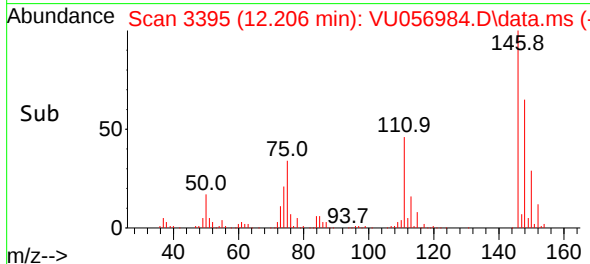
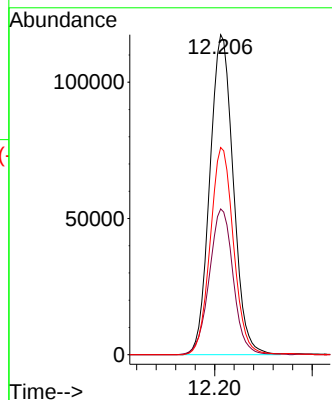
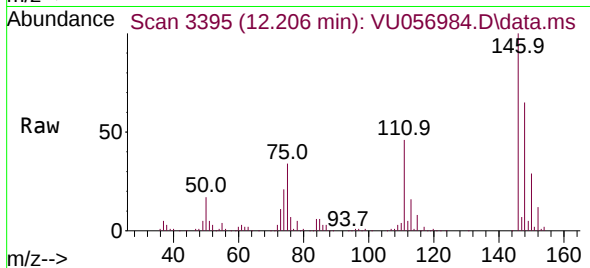
Tgt Ion:146 Resp: 196327

Ion Ratio Lower Upper

146 100

111 45.6 36.9 55.3

148 64.7 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.641 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

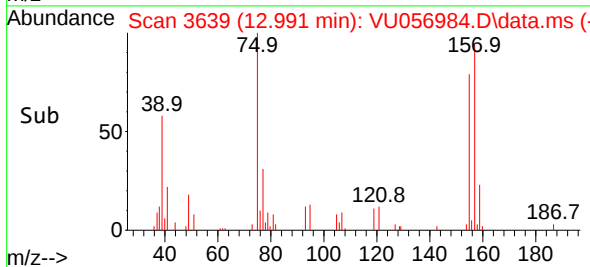
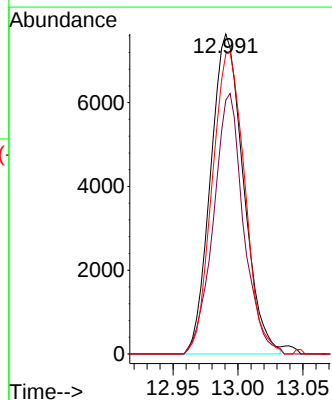
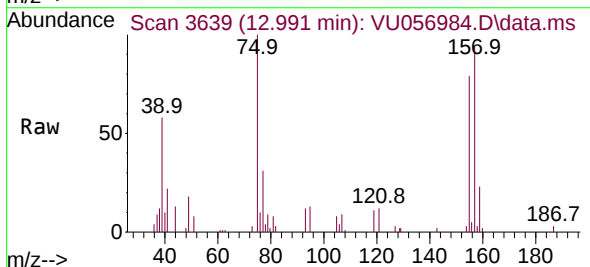
Tgt Ion: 75 Resp: 13415

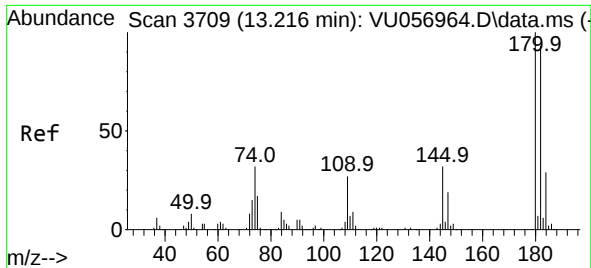
Ion Ratio Lower Upper

75 100

155 79.3 55.4 83.2

157 93.7 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 3.686 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

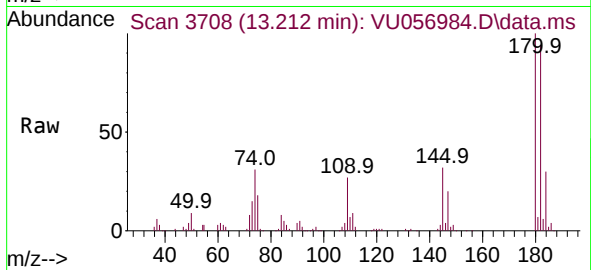
Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 140345

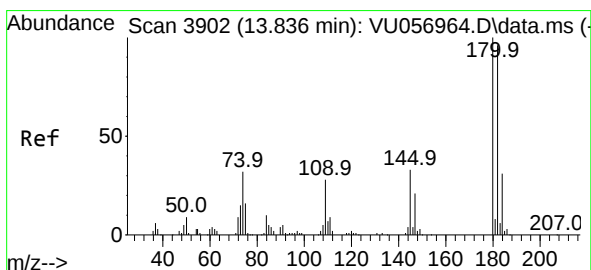
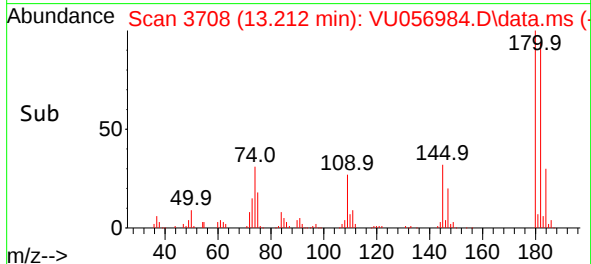
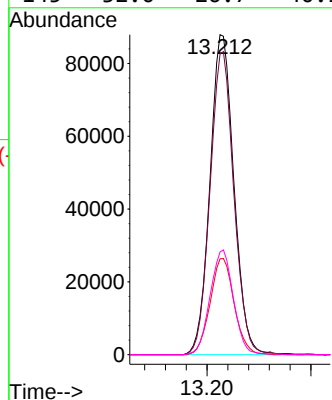
Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

184 30.2 24.6 37.0

145 32.0 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 3.579 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

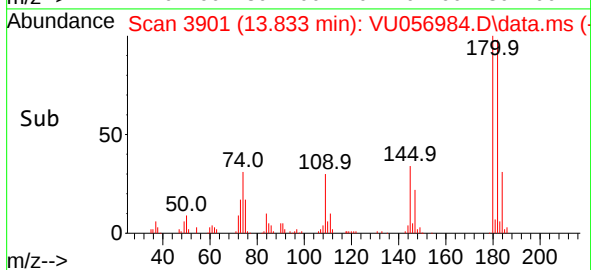
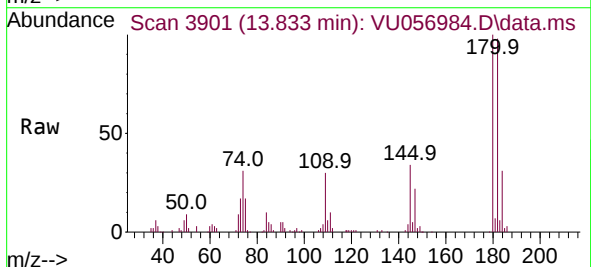
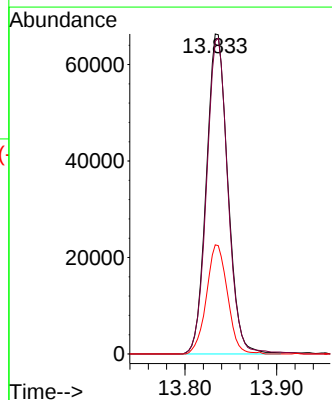
Tgt Ion:180 Resp: 107918

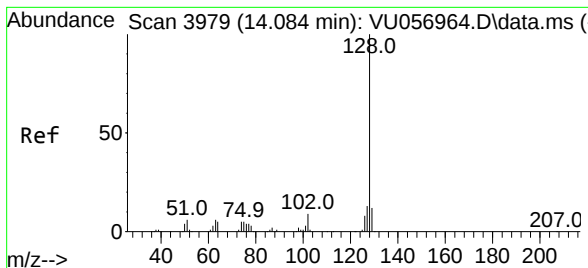
Ion Ratio Lower Upper

180 100

182 98.0 74.3 111.5

145 33.4 26.7 40.1





#71

Naphthalene

Concen: 3.654 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Instrument :

MSVOA_U

ClientSampleId :

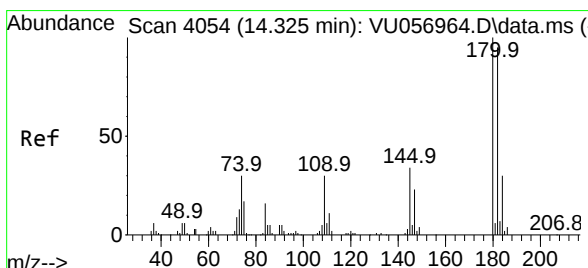
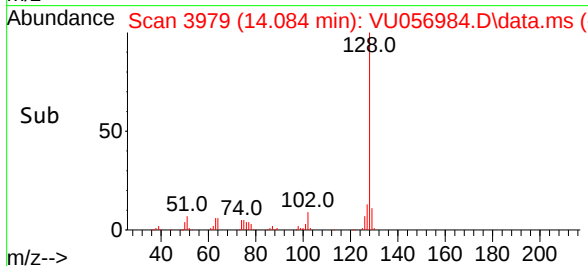
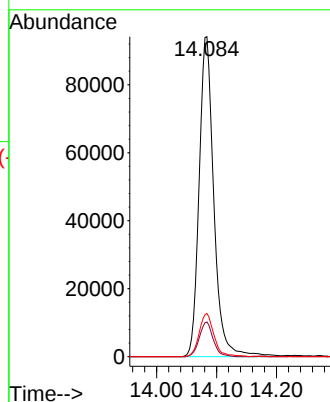
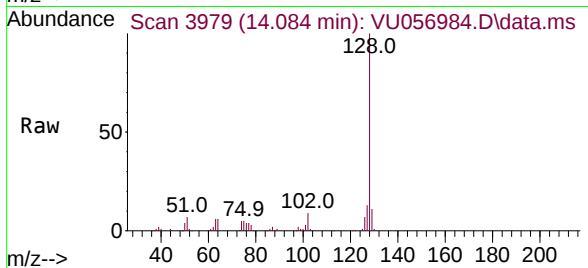
Tgt Ion:128 Resp: 161228

Ion Ratio Lower Upper

128 100

129 10.2 8.6 12.8

127 13.6 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 3.833 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU056984.D

Acq: 17 Dec 2023 21:39

Tgt Ion:180 Resp: 98116

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 35.5 28.6 42.8

