

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042923\
 Data File : VU053978.D
 Acq On : 28 Apr 2023 18:44
 Operator : JC/MD
 Sample : 02499-24MSD
 Misc : 5.60g/5.0mL/100uL//5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 04:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	276321	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	267657	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	142734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71870	33.403	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.800%
7) Chloroethane-d5	1.906	69	63439	38.241	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.480%
11) 1,1-Dichloroethene-d2	2.549	63	124922	37.507	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.020%
21) 2-Butanone-d5	4.636	46	68578	70.398	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.400%
24) Chloroform-d	5.054	84	134643	37.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.680%
26) 1,2-Dichloroethane-d4	5.694	65	79413	37.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.540%
32) Benzene-d6	5.719	84	273430	37.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.700%
36) 1,2-Dichloropropane-d6	6.684	67	82937	37.557	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.120%
41) Toluene-d8	7.893	98	263466	36.690	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.380%#
43) trans-1,3-Dichloroprop...	8.176	79	43441	38.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.220%
47) 2-Hexanone-d5	8.658	63	58504	77.626	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.630%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	125594	40.352	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.700%
66) 1,2-Dichlorobenzene-d4	12.192	152	109272	36.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.360%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	87493	39.012	ug/L	98
3) Chloromethane	1.520	50	82016	44.504	ug/L	98
5) Vinyl chloride	1.604	62	96033	44.964	ug/L	99
6) Bromomethane	1.858	94	72851	46.879	ug/L	98
8) Chloroethane	1.928	64	56887	44.286	ug/L	97
9) Trichlorofluoromethane	2.112	101	205777	62.641	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	91053	47.860	ug/L	95
12) 1,1-Dichloroethene	2.562	96	79000	46.593	ug/L	88
13) Acetone	2.642	43	84683	96.728	ug/L	94
14) Carbon disulfide	2.777	76	150568	33.570	ug/L	98
15) Methyl Acetate	2.948	43	63522	47.371	ug/L	90
16) Methylene chloride	3.035	84	93198	48.904	ug/L	96
17) trans-1,2-Dichloroethene	3.340	96	80703	47.361	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	262104	52.771	ug/L	98
19) 1,1-Dichloroethane	3.858	63	150189	53.208	ug/L	98
20) cis-1,2-Dichloroethene	4.655	96	96489	49.024	ug/L	96
22) 2-Butanone	4.713	43	90275	85.115	ug/L	94
23) Bromochloromethane	4.967	128	52102	47.524	ug/L	95
25) Chloroform	5.079	83	174564	53.919	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042923\
 Data File : VU053978.D
 Acq On : 28 Apr 2023 18:44
 Operator : JC/MD
 Sample : 02499-24MSD
 Misc : 5.60g/5.0mL/100uL//5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

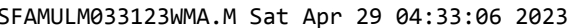
Instrument :
 MSVOA_U
 ClientSampleId :

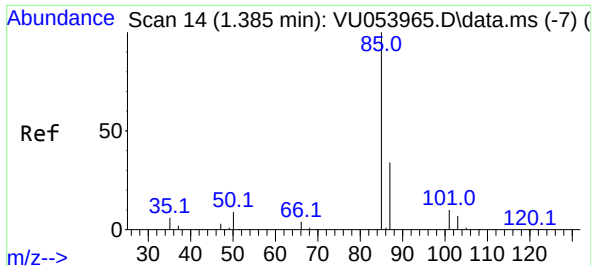
Quant Time: Apr 29 04:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	118143	49.829	ug/L	100
29) Cyclohexane	5.378	56	106019	41.145	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	144688	49.059	ug/L	99
31) Carbon tetrachloride	5.514	117	122517	46.366	ug/L	99
33) Benzene	5.764	78	343113	49.201	ug/L	100
34) Trichloroethene	6.533	95	97696	46.319	ug/L	95
35) Methylcyclohexane	6.755	83	132311	42.676	ug/L	96
37) 1,2-Dichloropropane	6.784	63	91827	51.859	ug/L	98
38) Bromodichloromethane	7.099	83	118647	50.227	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	149502	51.667	ug/L	98
40) 4-Methyl-2-pentanone	7.825	43	181592	94.371	ug/L	94
42) Toluene	7.964	91	387391	49.019	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	143113	52.318	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	104334	53.667	ug/L	96
46) Tetrachloroethene	8.549	164	82122	46.920	ug/L	94
48) 2-Hexanone	8.706	43	145350	93.380	ug/L	98
49) Dibromochloromethane	8.812	129	97180	48.073	ug/L	100
50) 1,2-Dibromoethane	8.922	107	111177	51.114	ug/L	100
51) Chlorobenzene	9.446	112	275653	50.624	ug/L	98
52) Ethylbenzene	9.568	91	440650	50.088	ug/L	99
53) m,p-Xylene	9.693	106	171527	49.853	ug/L	97
54) o-Xylene	10.099	106	170541	50.133	ug/L	92
55) Styrene	10.118	104	291001	52.519	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	158650	55.581	ug/L	95
59) Bromoform	10.298	173	71473	48.922	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	117759	56.899	ug/L	100
61) Isopropylbenzene	10.484	105	454581	53.868	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	373808	53.286	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	372414	53.600	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	224214	50.848	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	226459	50.390	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	220368	50.144	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	26974	48.890	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	157432	48.213	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	146048	48.242	ug/L	99
71) Naphthalene	14.082	128	462381	51.027	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	145791	48.214	ug/L	99

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

Quant Time: Apr 29 04:33:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 14 01:54:10 2023
Response via : Initial Calibration

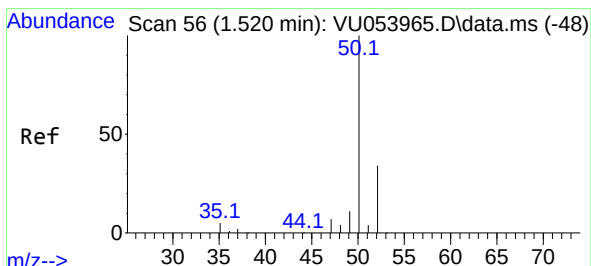
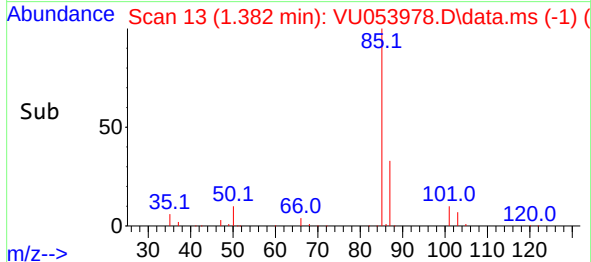
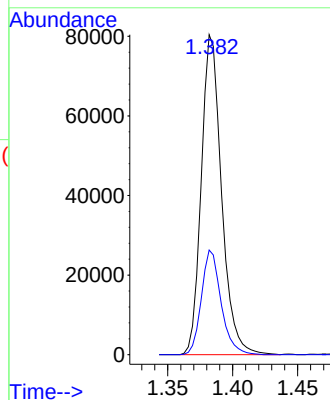
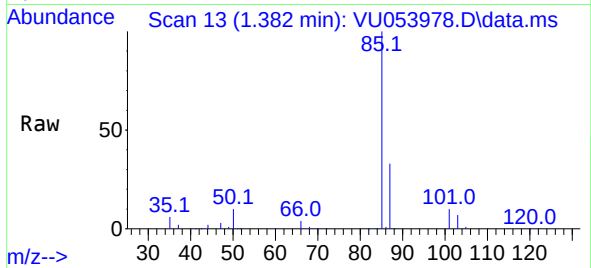




#2
Dichlorodifluoromethane
Concen: 39.012 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

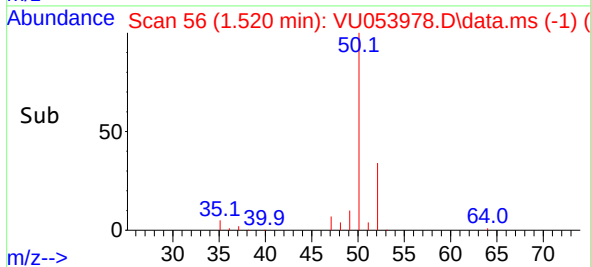
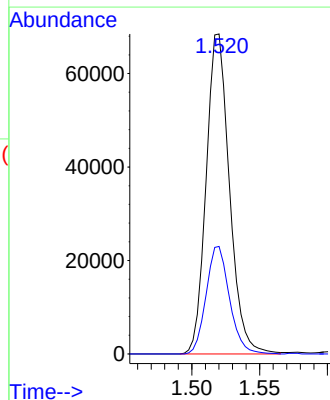
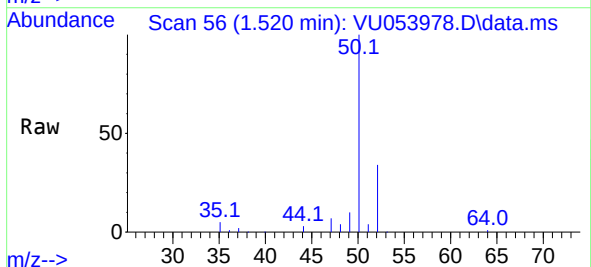
Instrument :
MSVOA_U
ClientSampleId :

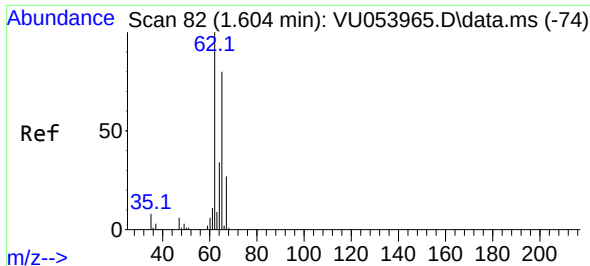
Tgt Ion: 85 Resp: 87493
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6



#3
Chloromethane
Concen: 44.504 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

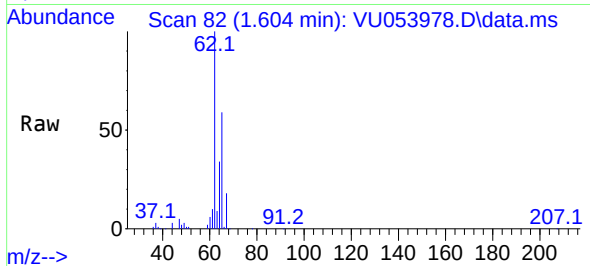
Tgt Ion: 50 Resp: 82016
Ion Ratio Lower Upper
50 100
52 33.6 22.7 42.1



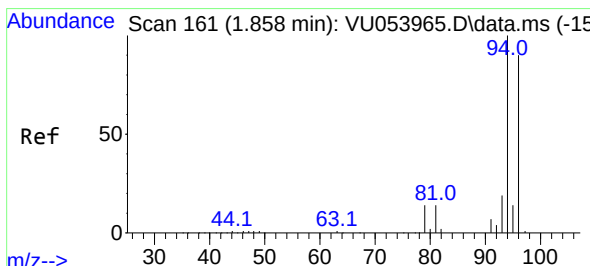
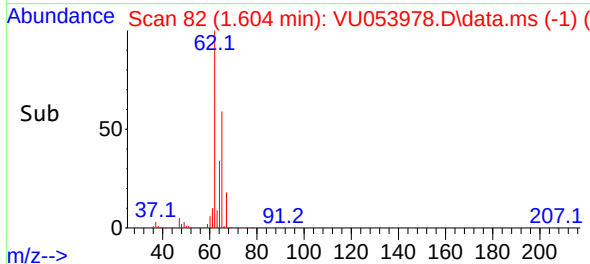
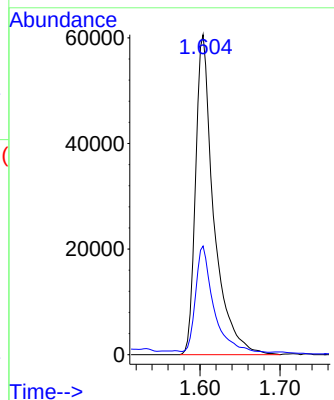


#5
 Vinyl chloride
 Concen: 44.964 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU053978.D
 Acq: 28 Apr 2023 18:44

Instrument :
 MSVOA_U
 ClientSampleId :

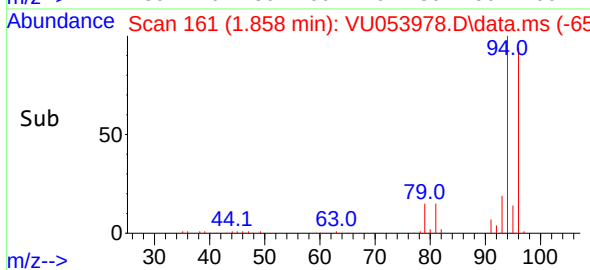
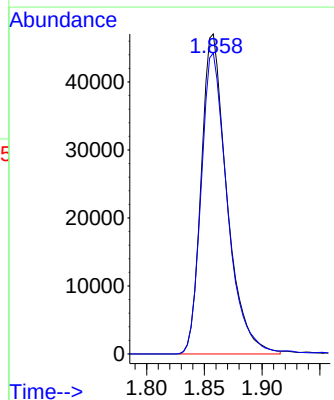
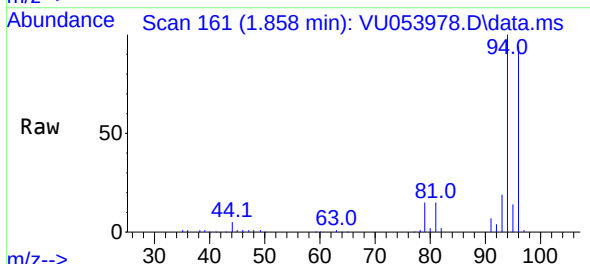


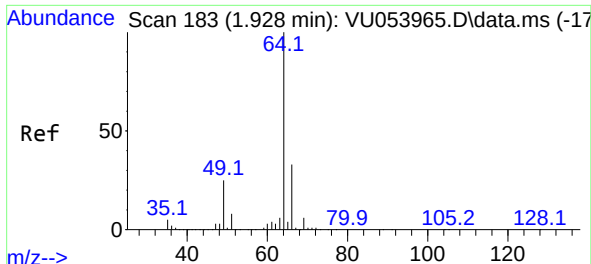
Tgt Ion: 62 Resp: 96033
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.2 43.0



#6
 Bromomethane
 Concen: 46.879 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.009 min
 Lab File: VU053978.D
 Acq: 28 Apr 2023 18:44

Tgt Ion: 94 Resp: 72851
 Ion Ratio Lower Upper
 94 100
 96 94.1 64.4 119.6

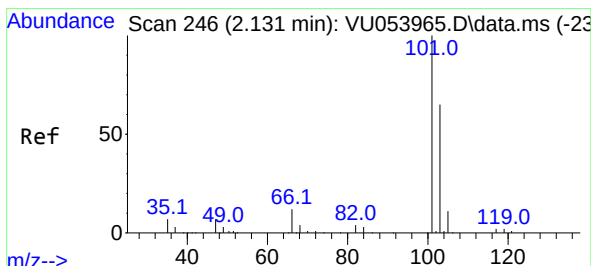
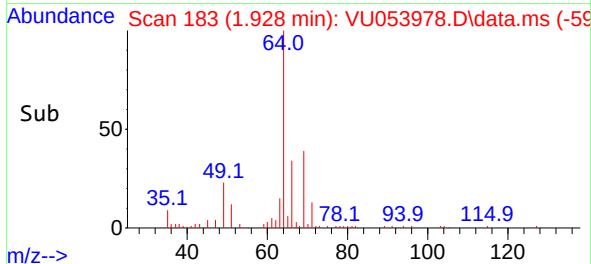
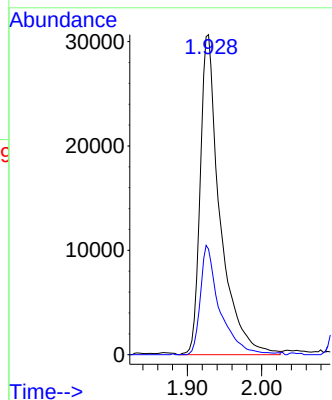
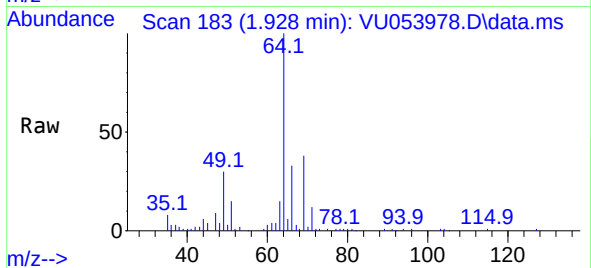




#8
Chloroethane
Concen: 44.286 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

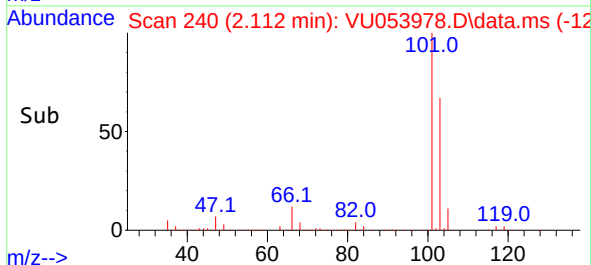
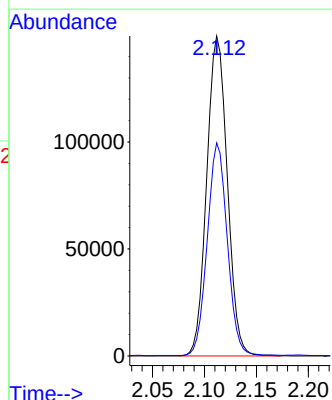
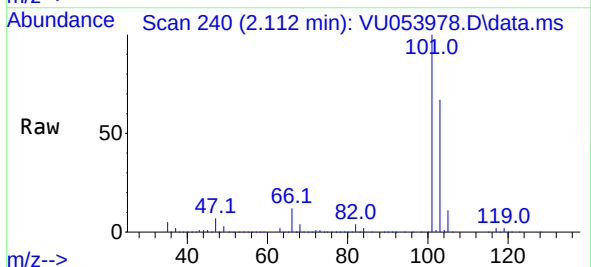
Instrument :
MSVOA_U
ClientSampleId :

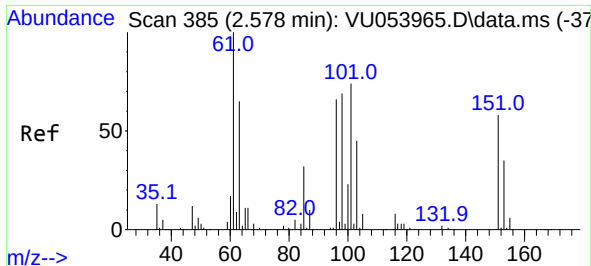
Tgt Ion: 64 Resp: 56887
Ion Ratio Lower Upper
64 100
66 33.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 62.641 ug/L
RT: 2.112 min Scan# 240
Delta R.T. -0.023 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 101 Resp: 205777
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

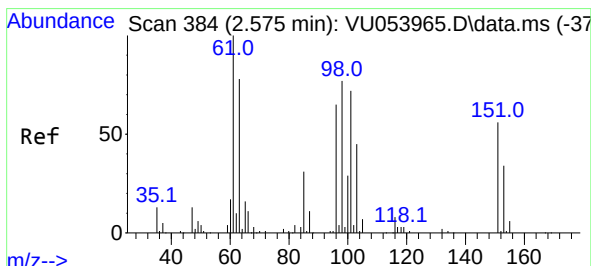
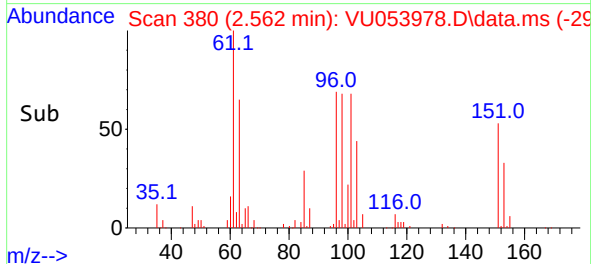
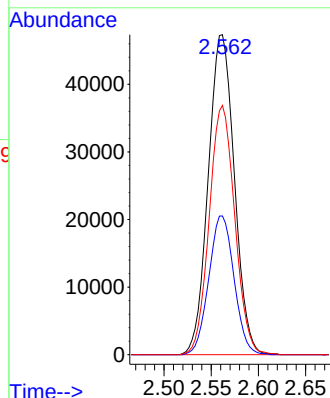
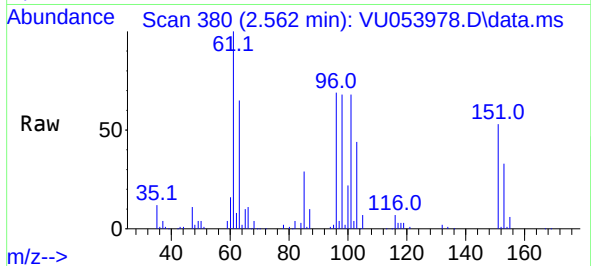




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.860 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.016 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

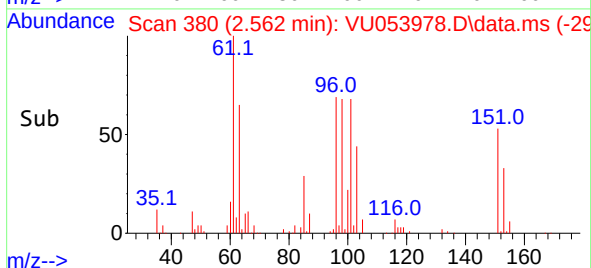
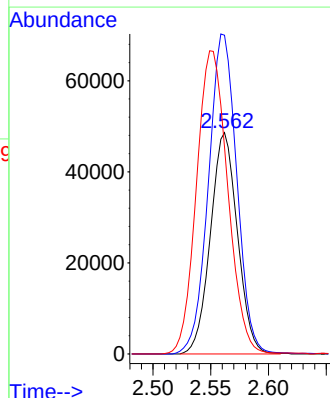
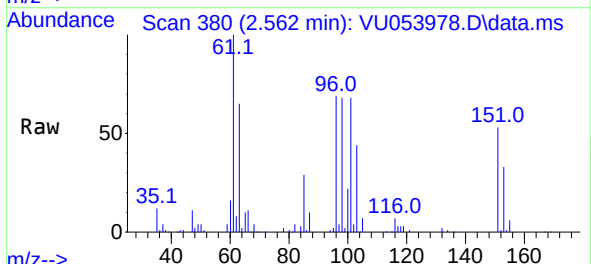
Instrument :
MSVOA_U
ClientSampleId :

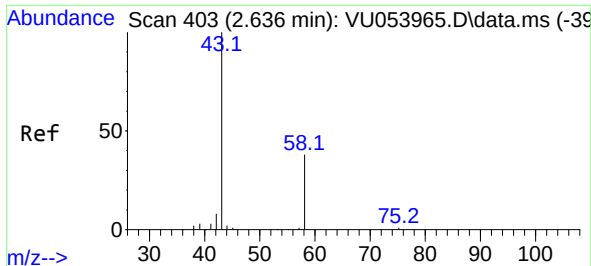
Tgt Ion:101 Resp: 91053
Ion Ratio Lower Upper
101 100
85 41.9 32.6 48.8
151 76.2 65.8 98.6



#12
1,1-Dichloroethene
Concen: 46.593 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 96 Resp: 79000
Ion Ratio Lower Upper
96 100
61 144.0 107.9 200.5
63 93.4 79.1 146.9





#13

Acetone

Concen: 96.728 ug/L

RT: 2.642 min Scan# 403

Delta R.T. 0.025 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

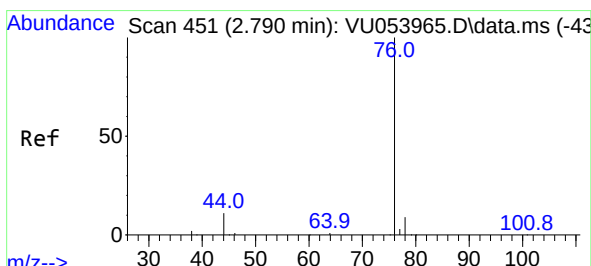
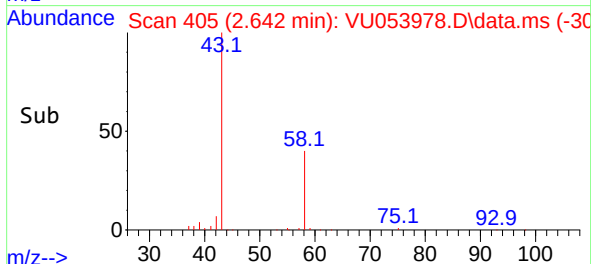
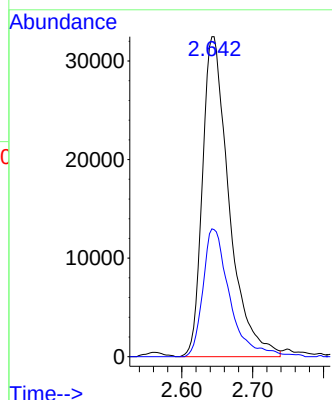
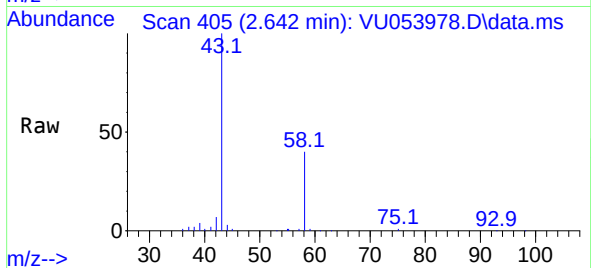
ClientSampleId :

Tgt Ion: 43 Resp: 84683

Ion Ratio Lower Upper

43 100

58 38.5 0.0 70.2



#14

Carbon disulfide

Concen: 33.570 ug/L

RT: 2.777 min Scan# 447

Delta R.T. -0.013 min

Lab File: VU053978.D

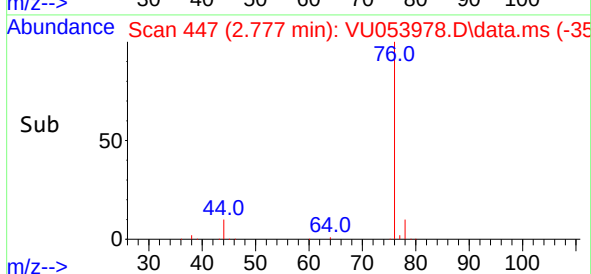
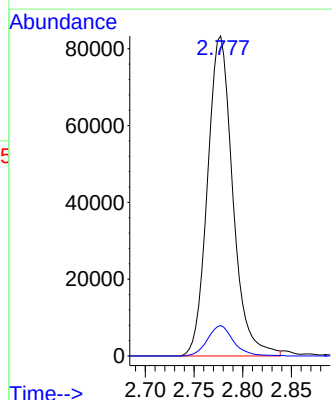
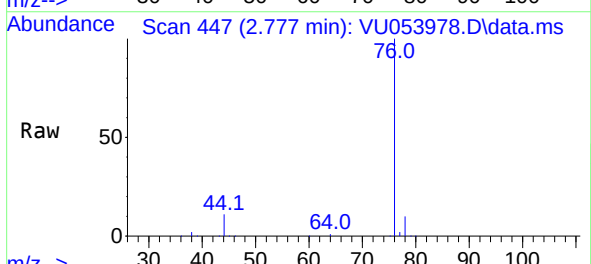
Acq: 28 Apr 2023 18:44

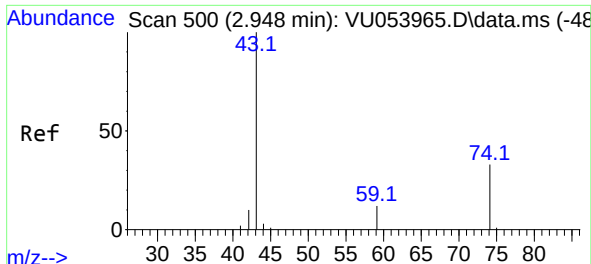
Tgt Ion: 76 Resp: 150568

Ion Ratio Lower Upper

76 100

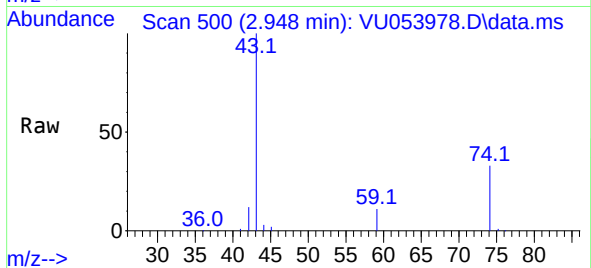
78 9.5 8.2 12.2



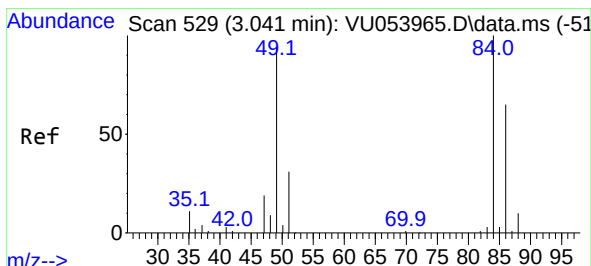
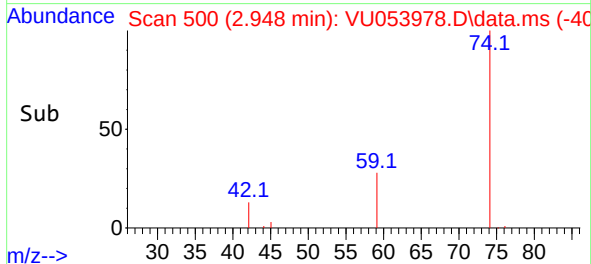
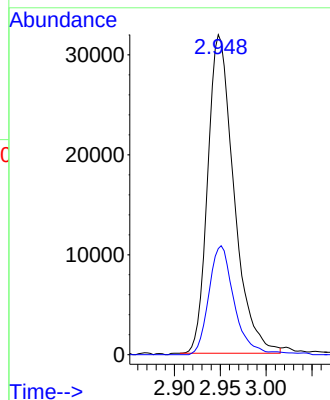


#15
Methyl Acetate
Concen: 47.371 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

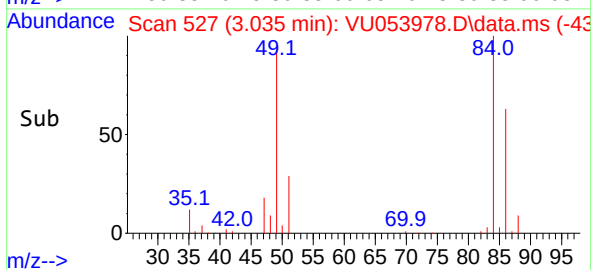
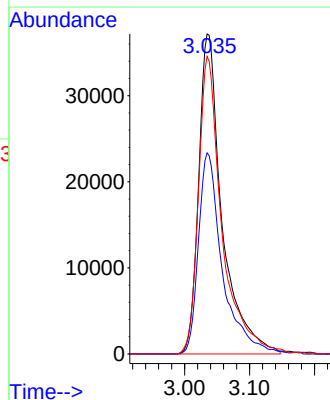
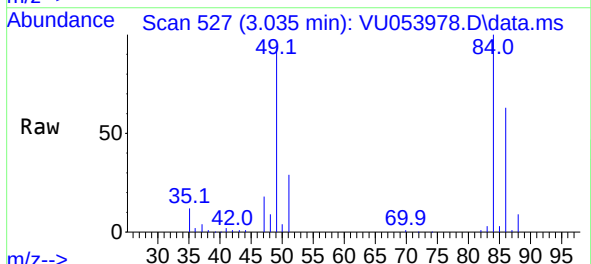


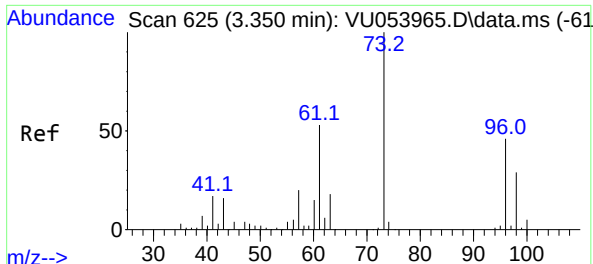
Tgt Ion: 43 Resp: 63522
Ion Ratio Lower Upper
43 100
74 32.6 22.0 33.0



#16
Methylene chloride
Concen: 48.904 ug/L
RT: 3.035 min Scan# 527
Delta R.T. -0.007 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

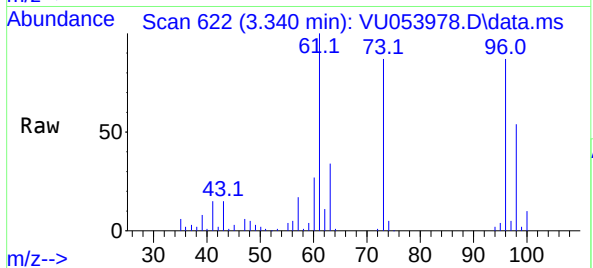
Tgt Ion: 84 Resp: 93198
Ion Ratio Lower Upper
84 100
86 62.8 43.5 80.9
49 93.0 69.7 129.5



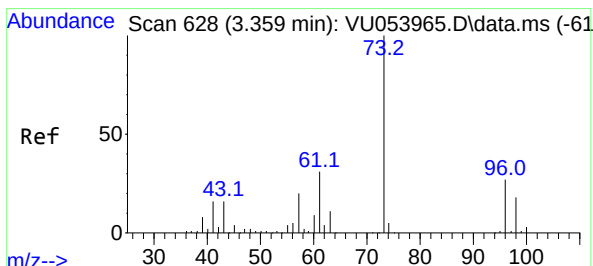
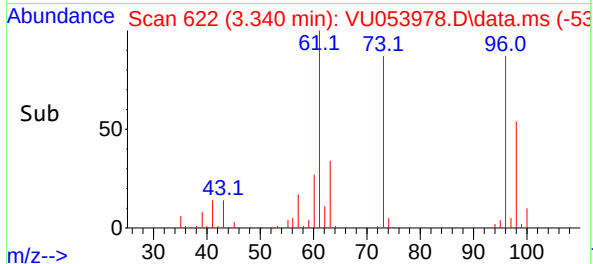
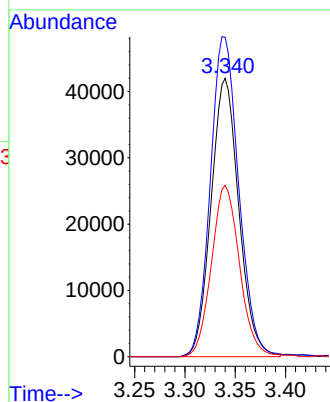


#17
trans-1,2-Dichloroethene
Concen: 47.361 ug/L
RT: 3.340 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

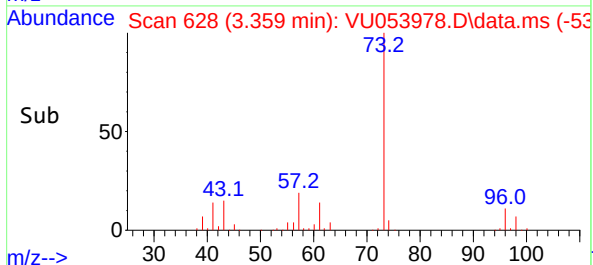
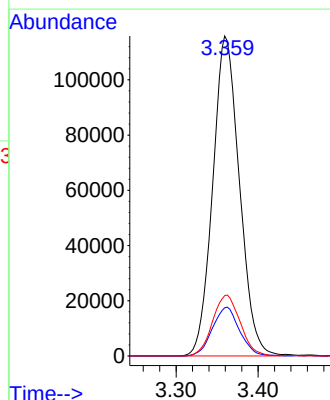
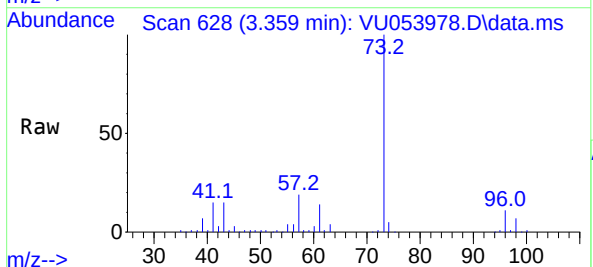


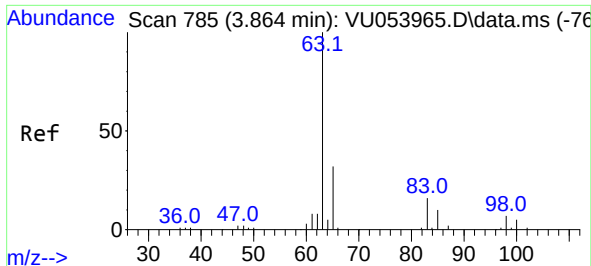
Tgt Ion: 96 Resp: 80703
Ion Ratio Lower Upper
96 100
61 114.8 84.4 156.8
98 61.5 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 52.771 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 73 Resp: 262104
Ion Ratio Lower Upper
73 100
43 15.5 13.8 20.8
57 19.7 15.9 23.9

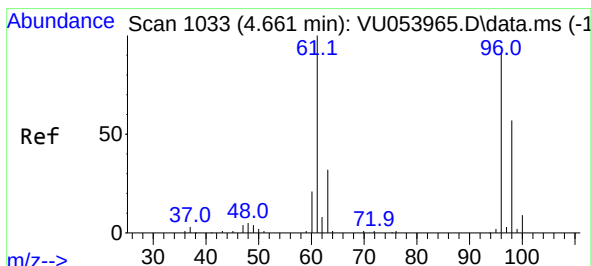
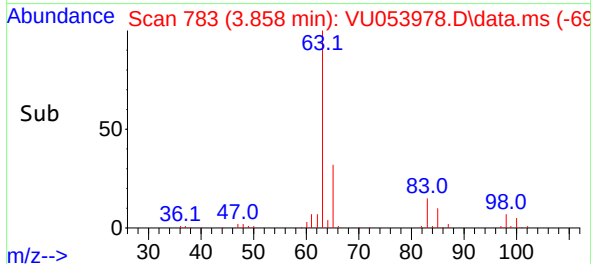
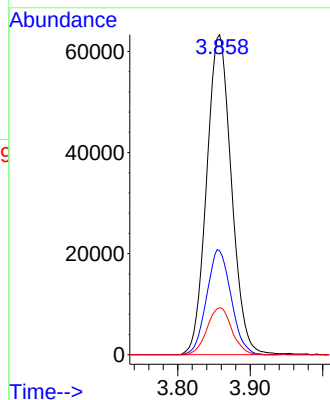
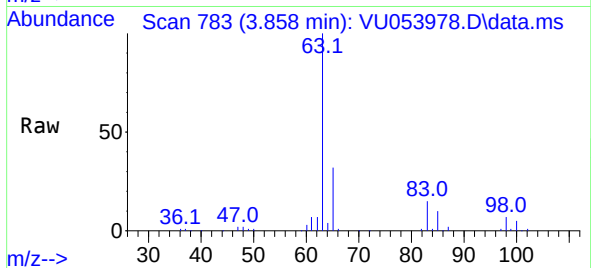




#19
1,1-Dichloroethane
Concen: 53.208 ug/L
RT: 3.858 min Scan# 783
Delta R.T. -0.007 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

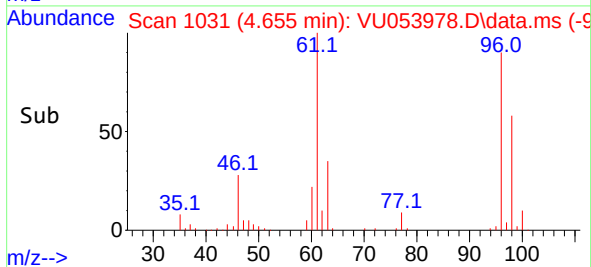
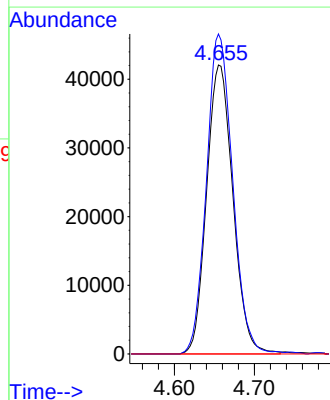
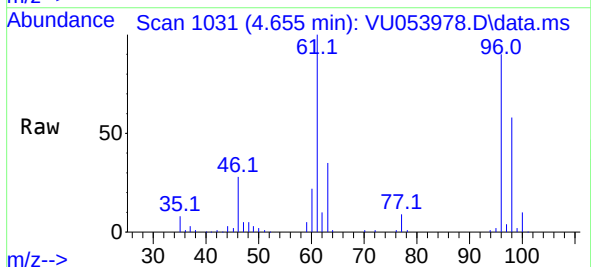
Instrument :
MSVOA_U
ClientSampleId :

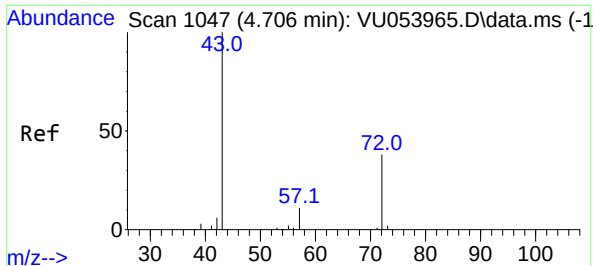
Tgt Ion: 63 Resp: 150189
Ion Ratio Lower Upper
63 100
65 32.4 22.0 41.0
83 14.7 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 49.024 ug/L
RT: 4.655 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 96 Resp: 96489
Ion Ratio Lower Upper
96 100
61 110.8 74.7 138.7
68 0.0 0.0 0.0

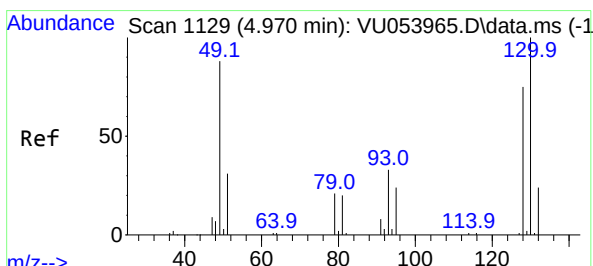
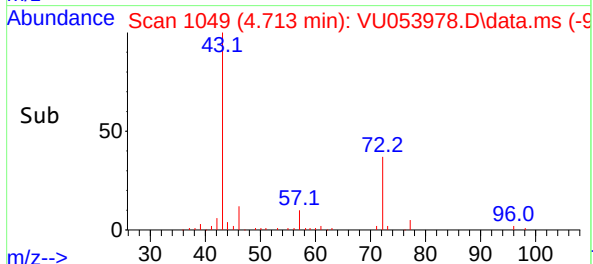
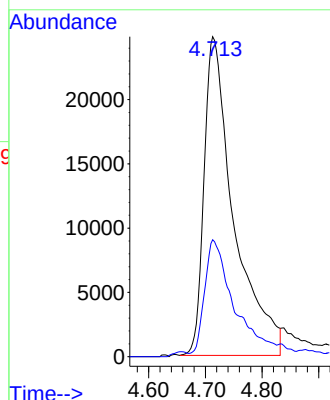
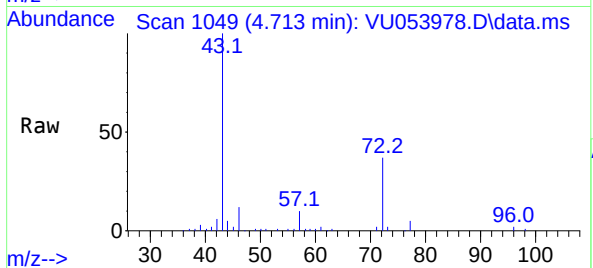




#22
2-Butanone
Concen: 85.115 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.022 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

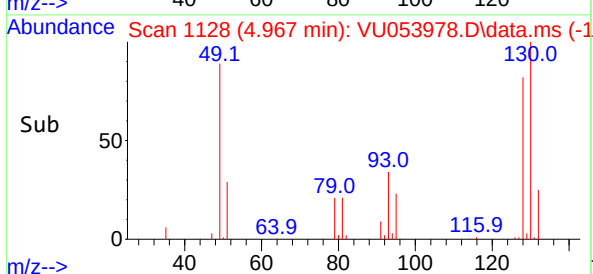
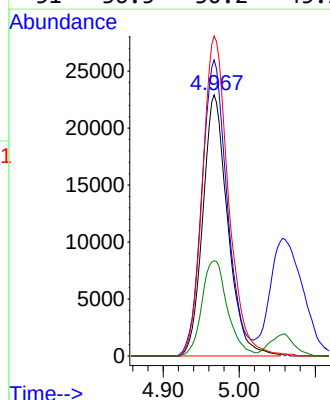
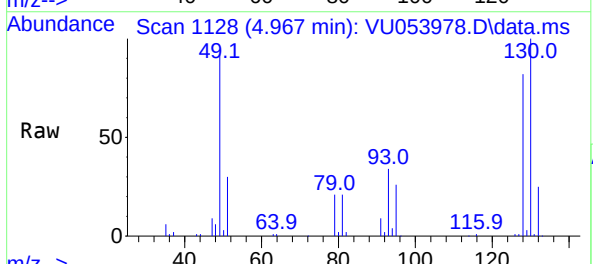
Instrument :
MSVOA_U
ClientSampleId :

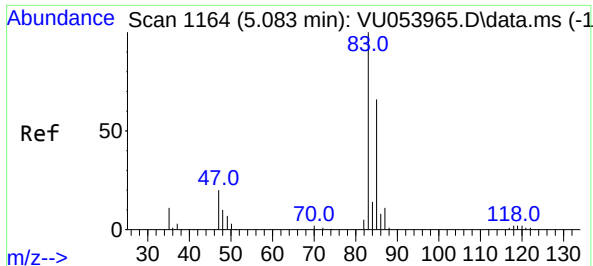
Tgt Ion: 43 Resp: 90275
Ion Ratio Lower Upper
43 100
72 34.7 15.8 47.3



#23
Bromochloromethane
Concen: 47.524 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:128 Resp: 52102
Ion Ratio Lower Upper
128 100
49 113.3 81.5 151.3
130 122.5 91.8 170.4
51 36.5 30.2 45.2





#25

Chloroform

Concen: 53.919 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

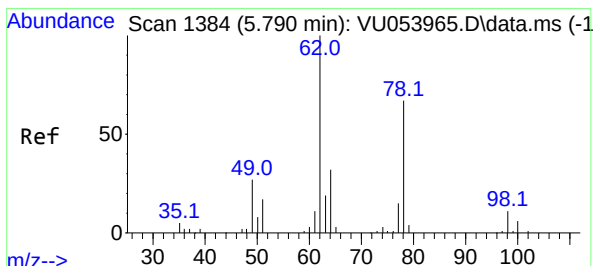
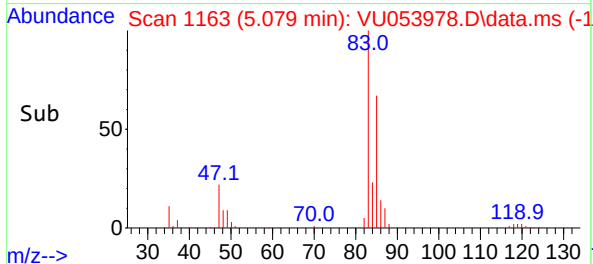
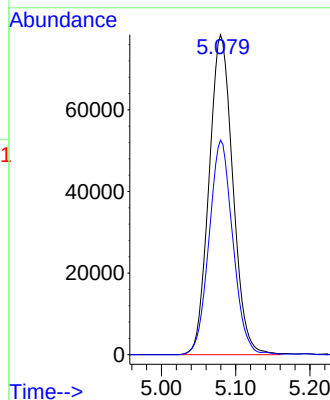
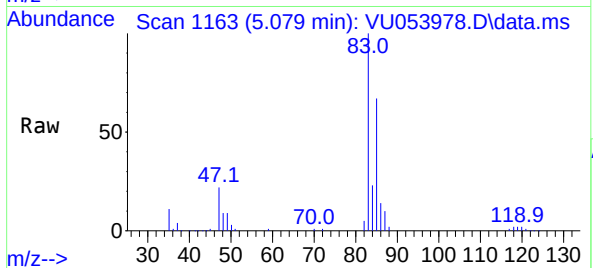
ClientSampleId :

Tgt Ion: 83 Resp: 174564

Ion Ratio Lower Upper

83 100

85 67.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 49.829 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053978.D

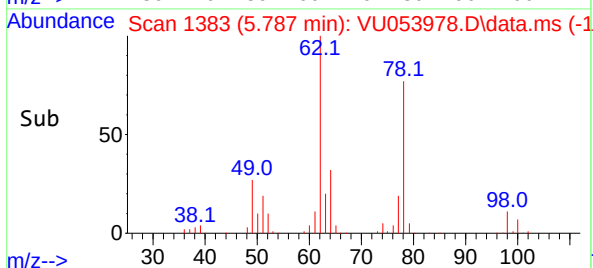
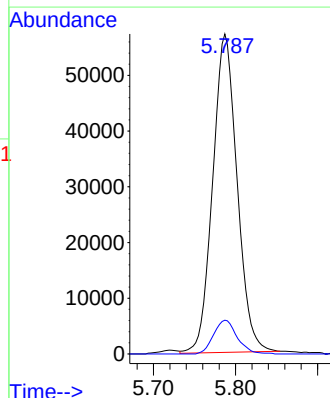
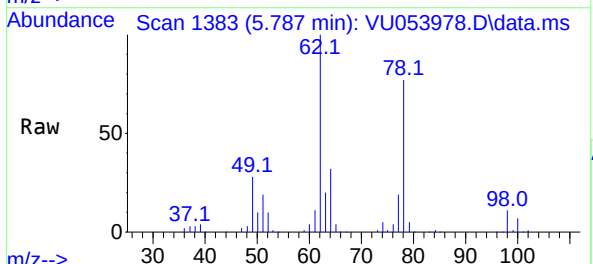
Acq: 28 Apr 2023 18:44

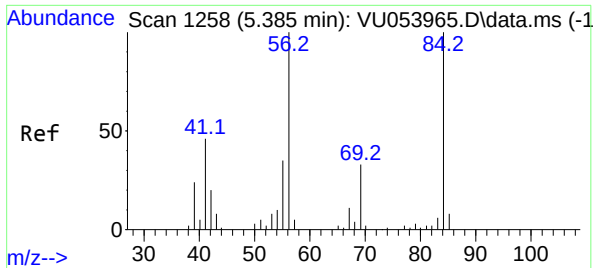
Tgt Ion: 62 Resp: 118143

Ion Ratio Lower Upper

62 100

98 10.5 8.3 12.5





#29

Cyclohexane

Concen: 41.145 ug/L

RT: 5.378 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

ClientSampleId :

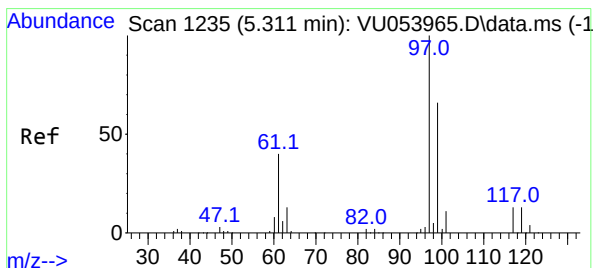
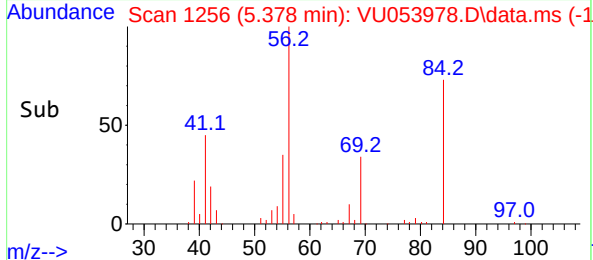
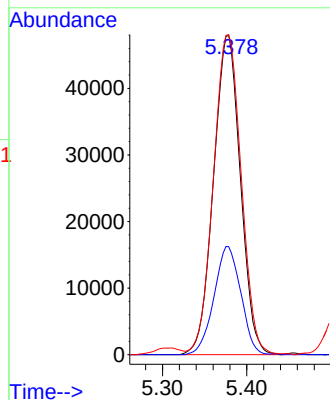
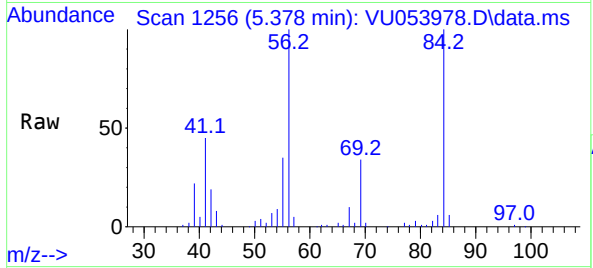
Tgt Ion: 56 Resp: 106019

Ion Ratio Lower Upper

56 100

69 33.7 27.3 40.9

84 103.1 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 49.059 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

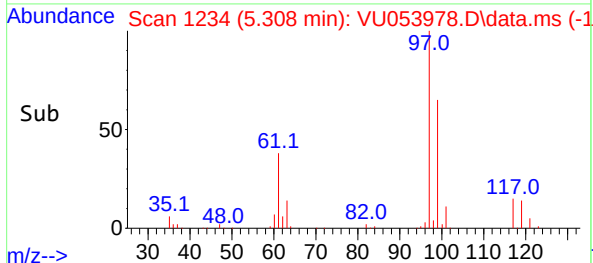
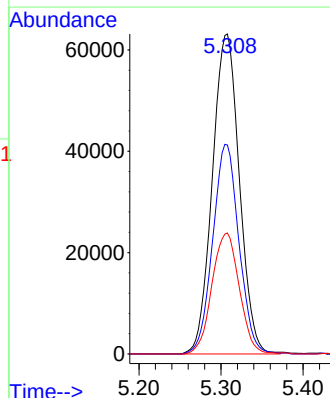
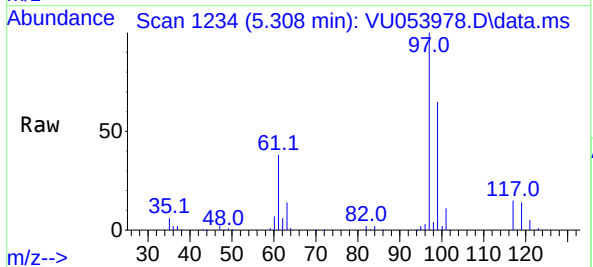
Tgt Ion: 97 Resp: 144688

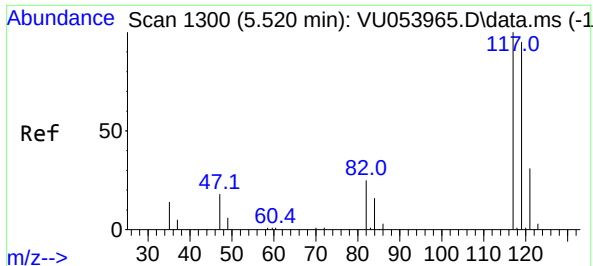
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 38.2 31.0 46.4

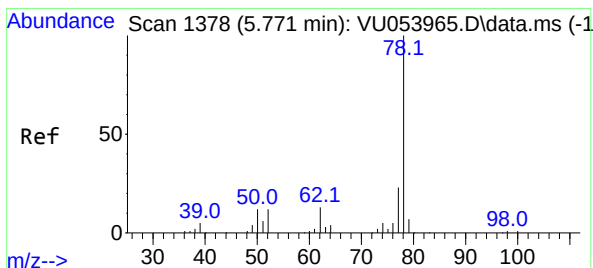
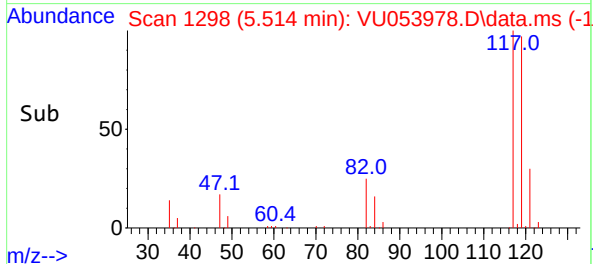
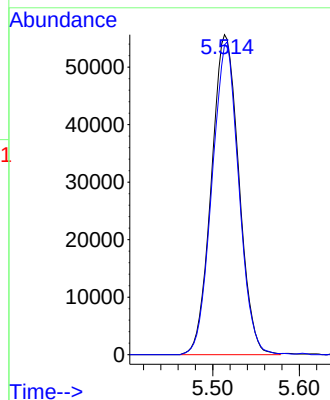
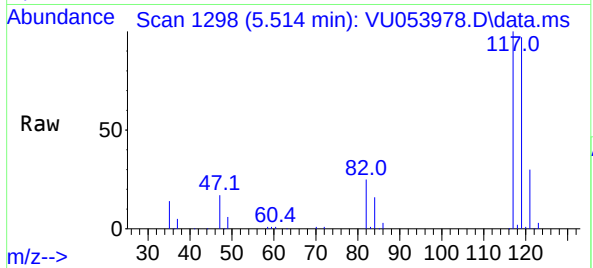




#31
Carbon tetrachloride
Concen: 46.366 ug/L
RT: 5.514 min Scan# 117
Delta R.T. -0.007 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

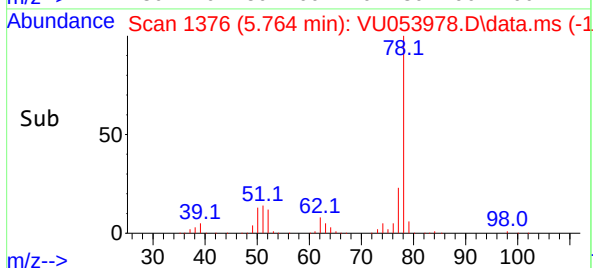
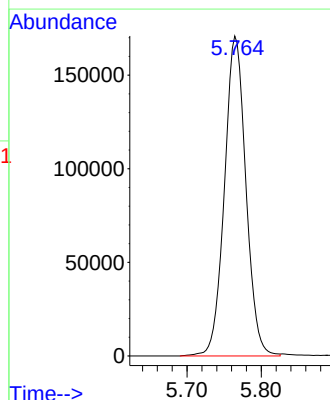
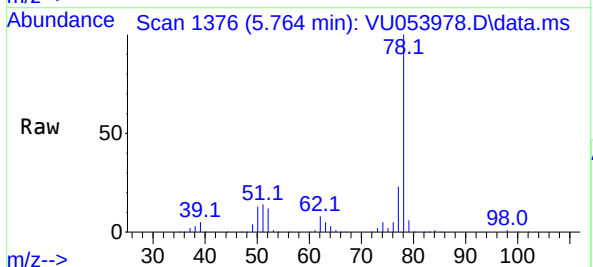
Instrument :
MSVOA_U
ClientSampleId :

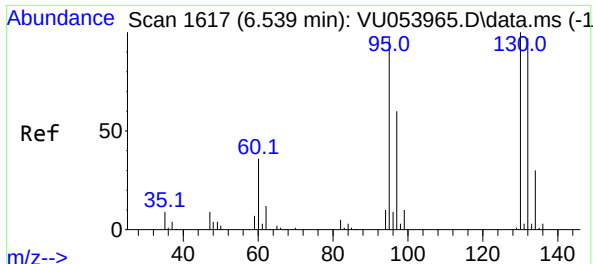
Tgt Ion:117 Resp: 122517
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3



#33
Benzene
Concen: 49.201 ug/L
RT: 5.764 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

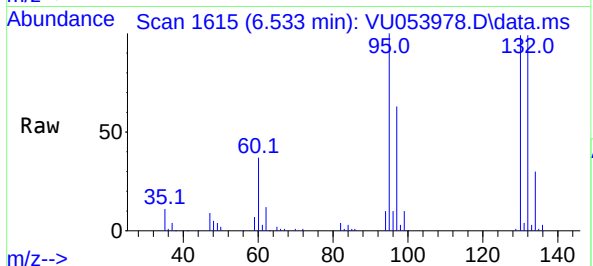
Tgt Ion: 78 Resp: 343113





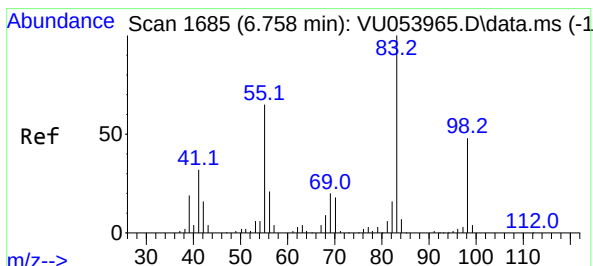
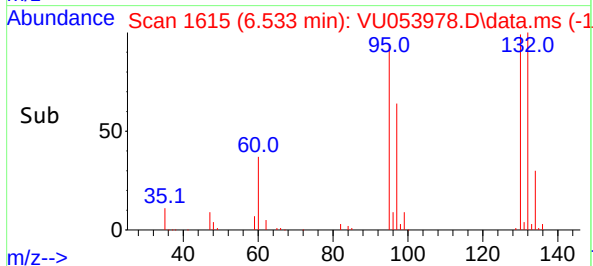
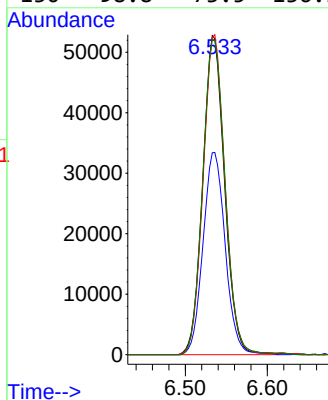
#34
Trichloroethene
Concen: 46.319 ug/L
RT: 6.533 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 97696

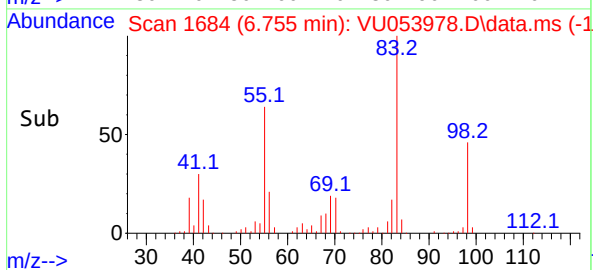
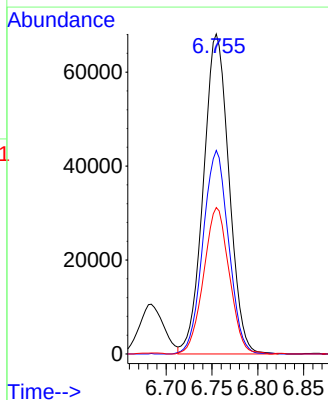
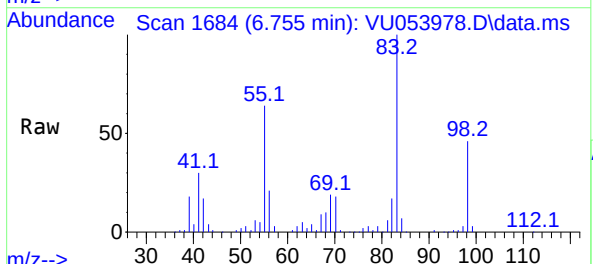
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.1	83.7
132	99.4	74.1	137.5
130	98.8	73.5	136.5

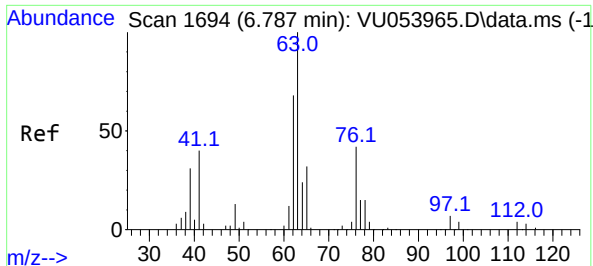


#35
Methylcyclohexane
Concen: 42.676 ug/L
RT: 6.755 min Scan# 1684
Delta R.T. -0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 83 Resp: 132311

Ion	Ratio	Lower	Upper
83	100		
55	63.5	53.0	79.6
98	45.9	39.0	58.6





#37

1,2-Dichloropropane

Concen: 51.859 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

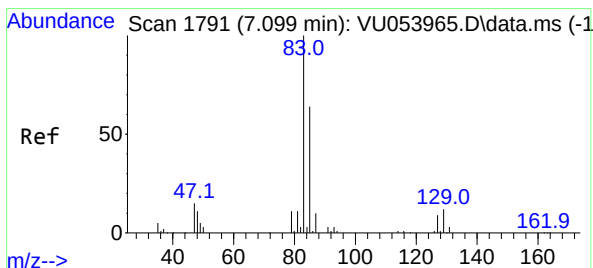
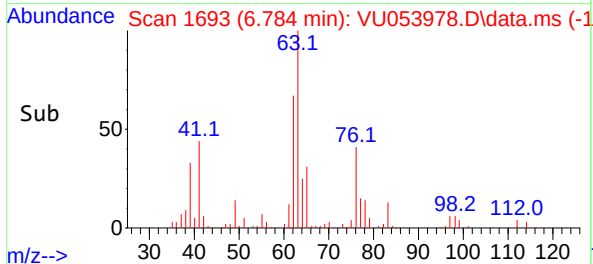
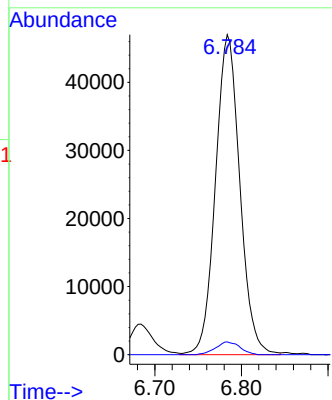
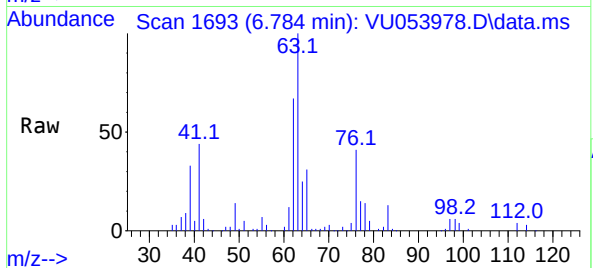
ClientSampleId :

Tgt Ion: 63 Resp: 91827

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 50.227 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

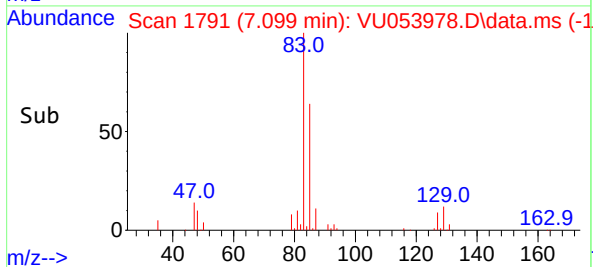
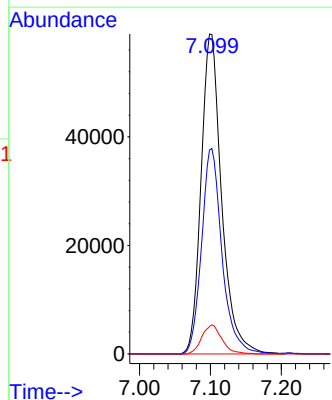
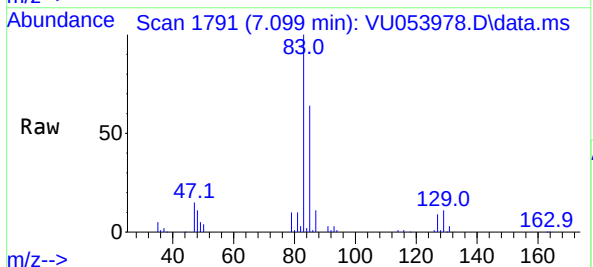
Tgt Ion: 83 Resp: 118647

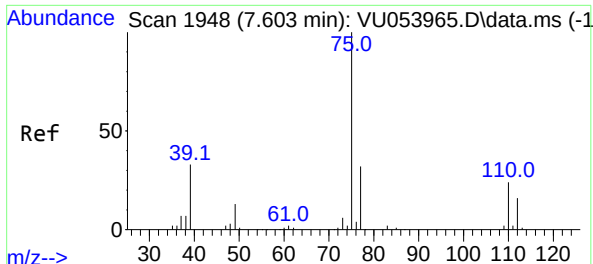
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 8.5 8.0 12.0

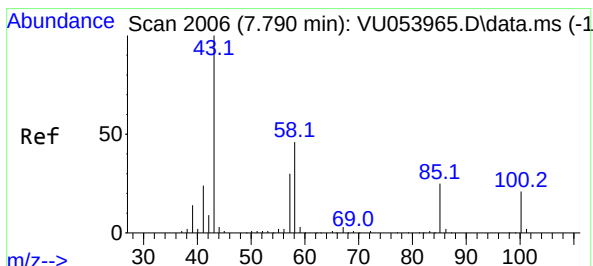
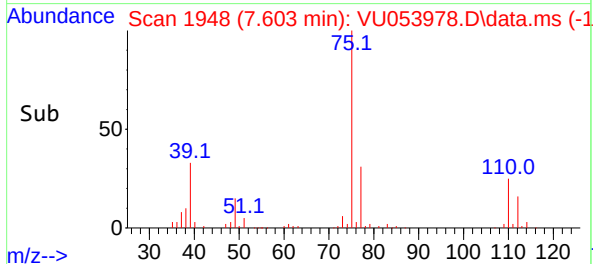
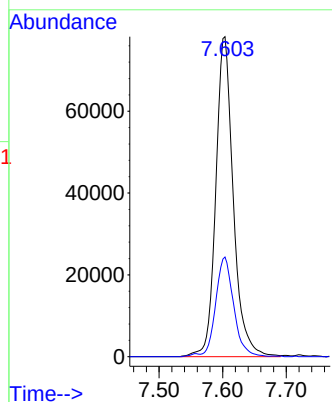
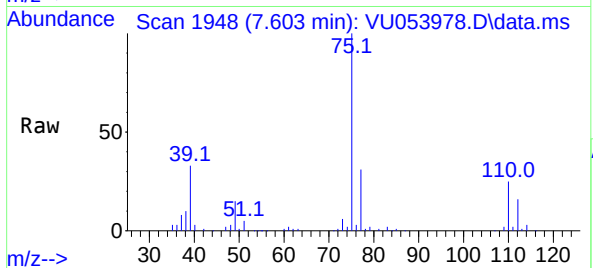




#39
 cis-1,3-Dichloropropene
 Concen: 51.667 ug/L
 RT: 7.603 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053978.D
 Acq: 28 Apr 2023 18:44

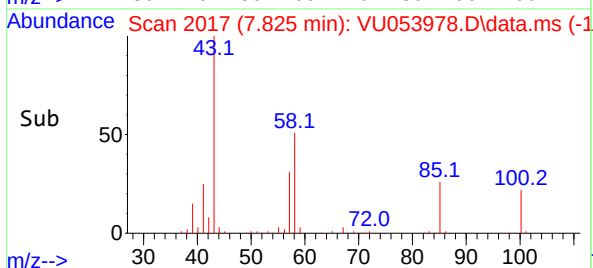
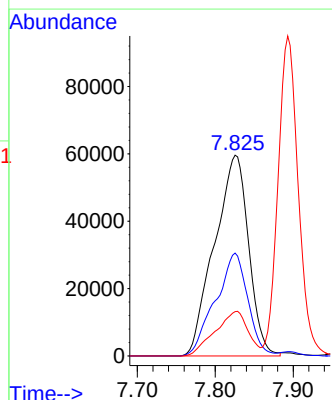
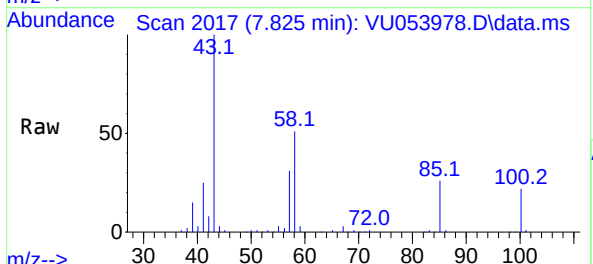
Instrument :
 MSVOA_U
 ClientSampleId :

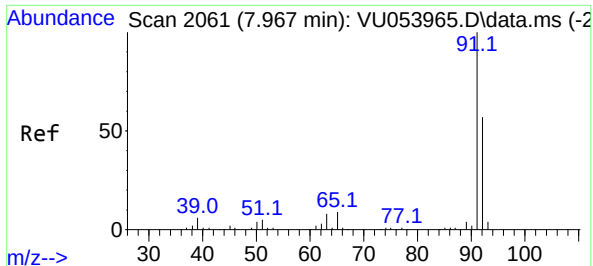
Tgt Ion: 75 Resp: 149502
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 94.371 ug/L
 RT: 7.825 min Scan# 2017
 Delta R.T. 0.042 min
 Lab File: VU053978.D
 Acq: 28 Apr 2023 18:44

Tgt Ion: 43 Resp: 181592
 Ion Ratio Lower Upper
 43 100
 58 48.7 35.5 53.3
 100 21.5 15.8 23.8





#42

Toluene

Concen: 49.019 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

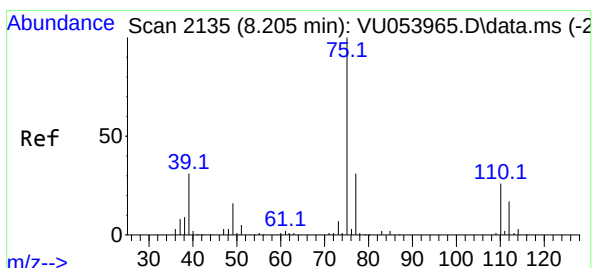
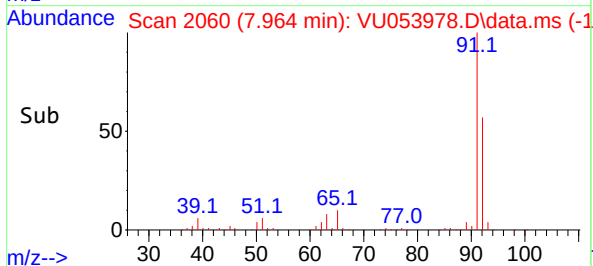
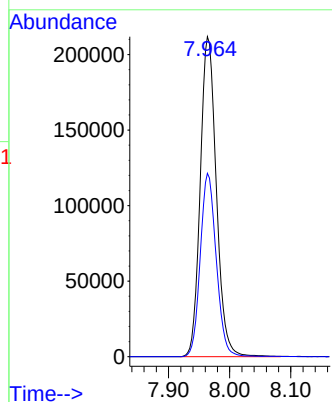
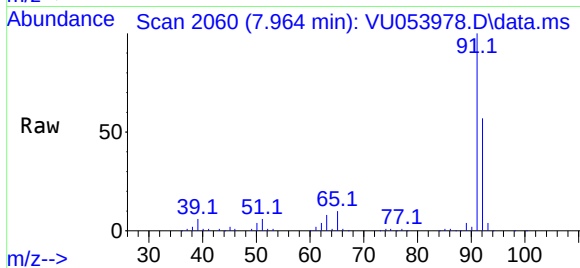
ClientSampleId :

Tgt Ion: 91 Resp: 387391

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.318 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053978.D

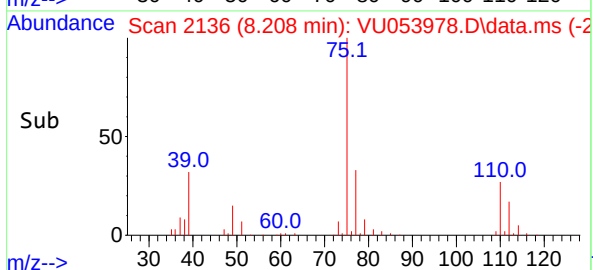
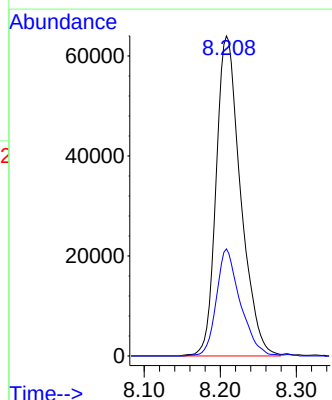
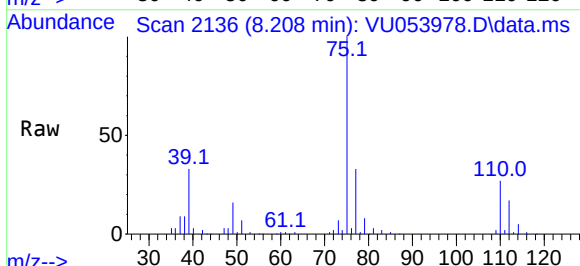
Acq: 28 Apr 2023 18:44

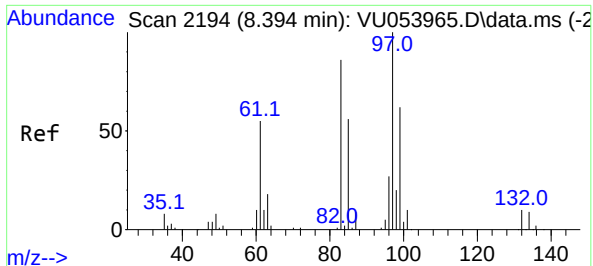
Tgt Ion: 75 Resp: 143113

Ion Ratio Lower Upper

75 100

77 33.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 53.667 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.003 min

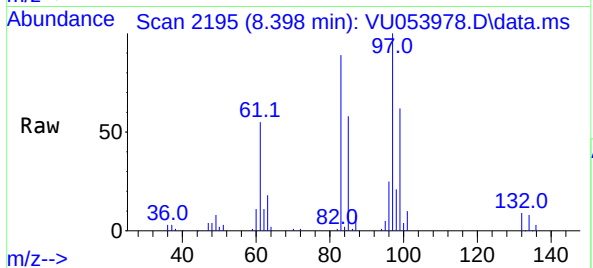
Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 104334

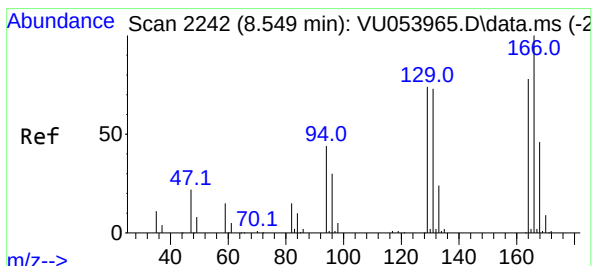
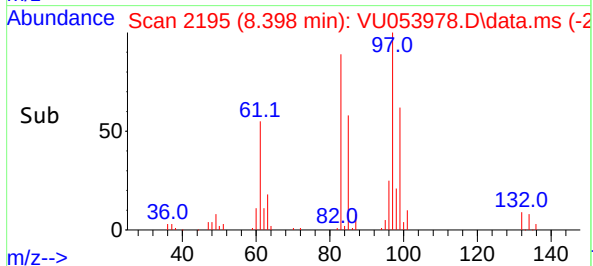
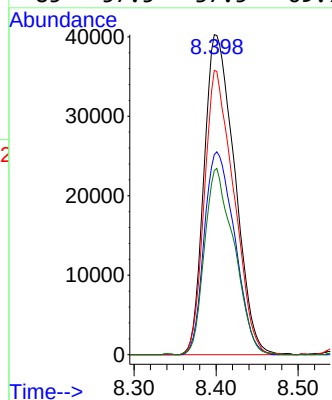
Ion Ratio Lower Upper

97 100

99 62.5 43.8 81.3

83 88.9 59.0 109.6

85 57.5 37.5 69.7



#46

Tetrachloroethene

Concen: 46.920 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Tgt Ion:164 Resp: 82122

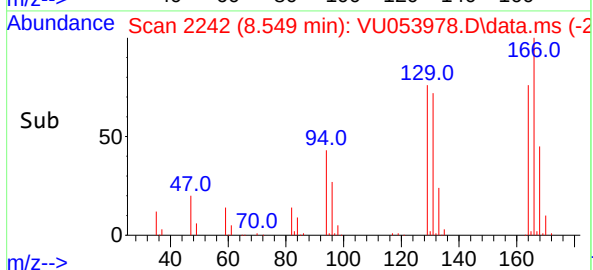
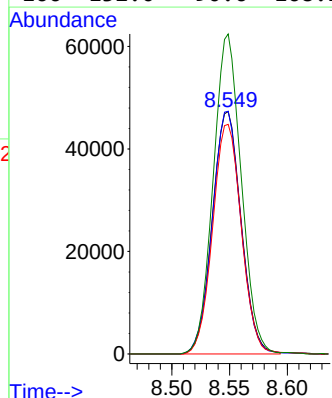
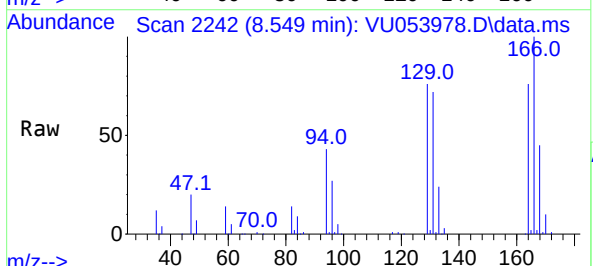
Ion Ratio Lower Upper

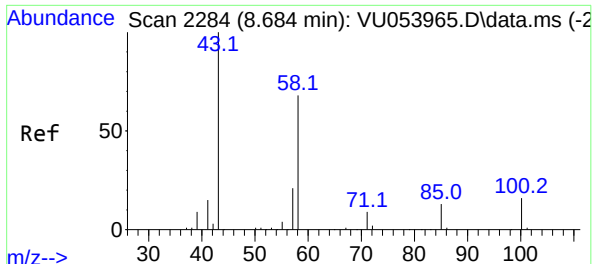
164 100

129 100.1 64.0 119.0

131 94.7 61.9 115.1

166 132.0 90.6 168.2



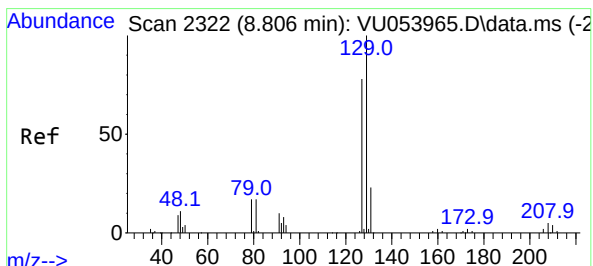
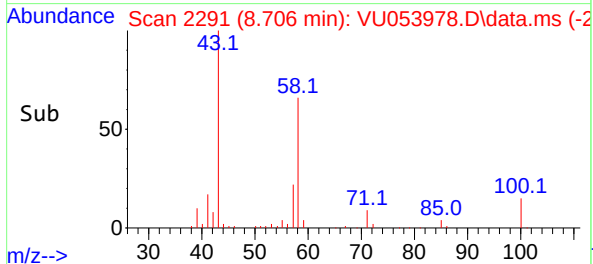
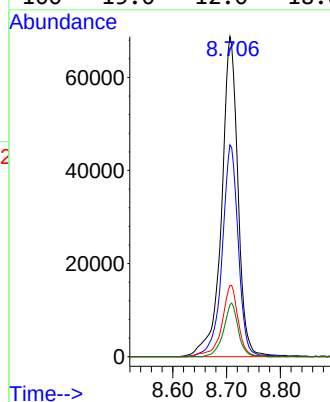
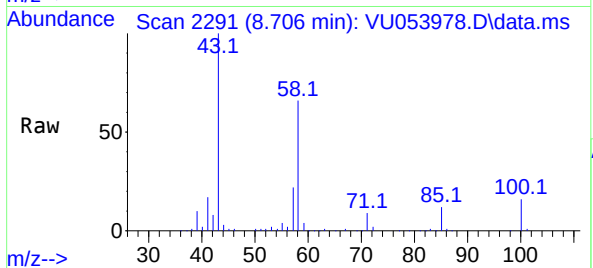


#48
2-Hexanone
Concen: 93.380 ug/L
RT: 8.706 min Scan# 21
Delta R.T. 0.029 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 145350

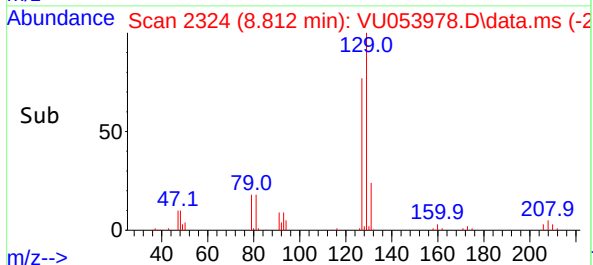
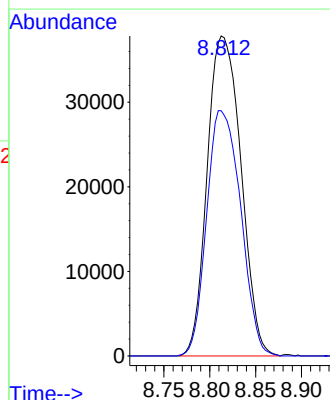
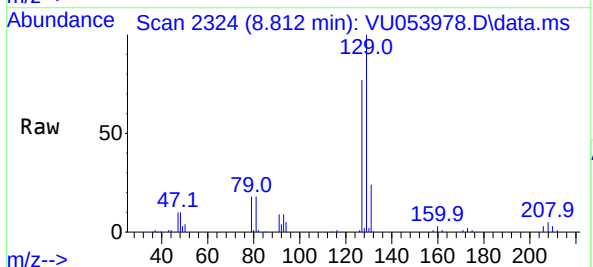
Ion	Ratio	Lower	Upper
43	100		
58	65.1	49.8	74.6
57	22.1	17.8	26.6
100	15.0	12.0	18.0

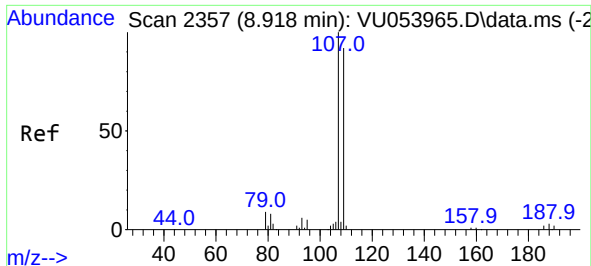


#49
Dibromochloromethane
Concen: 48.073 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.006 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 129 Resp: 97180

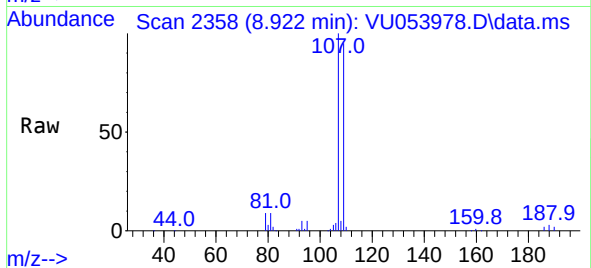
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.5	99.3



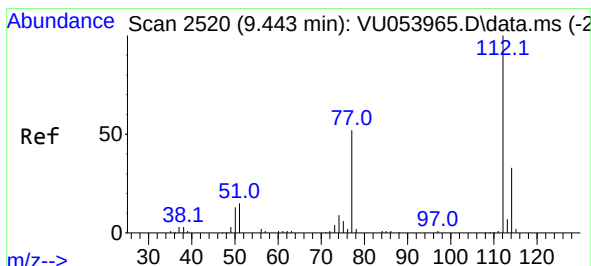
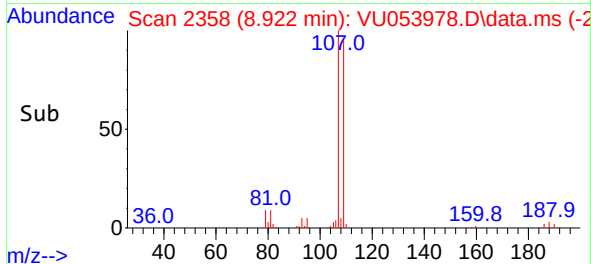
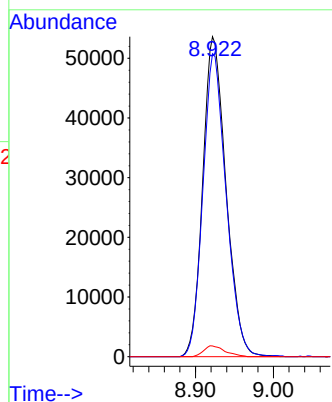


#50
1,2-Dibromoethane
Concen: 51.114 ug/L
RT: 8.922 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

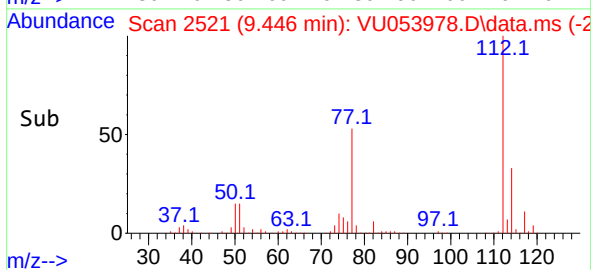
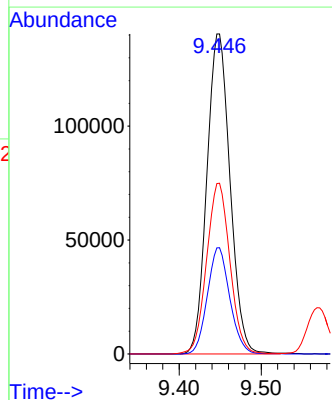
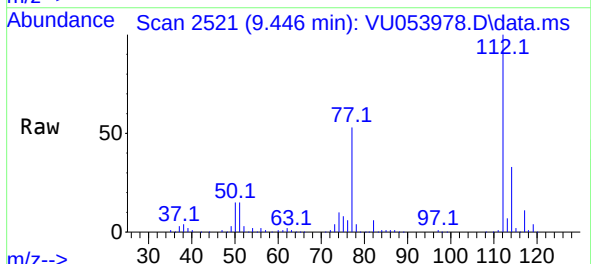


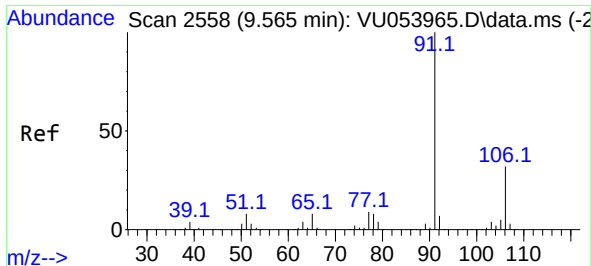
Tgt Ion:107 Resp: 111177
Ion Ratio Lower Upper
107 100
109 94.7 66.3 123.1
188 3.4 3.0 4.4



#51
Chlorobenzene
Concen: 50.624 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:112 Resp: 275653
Ion Ratio Lower Upper
112 100
114 33.2 22.2 41.2
77 53.2 41.3 61.9

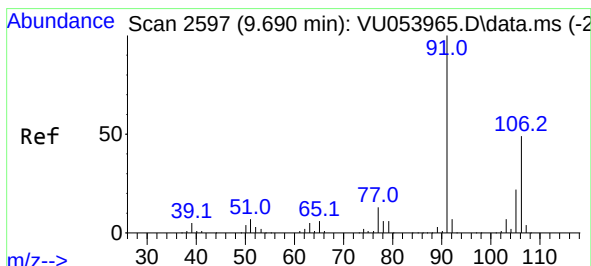
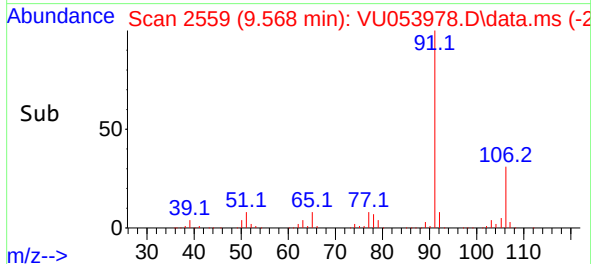
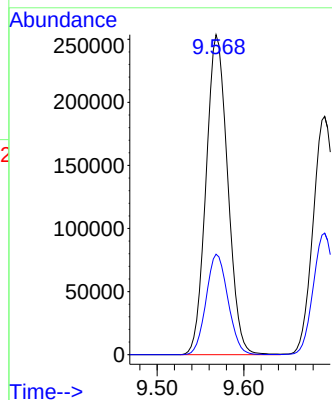
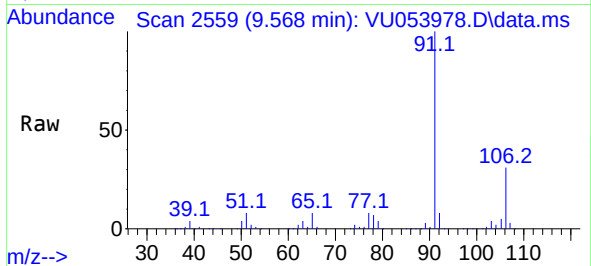




#52
Ethylbenzene
Concen: 50.088 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

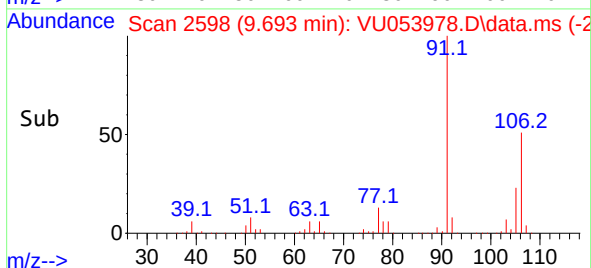
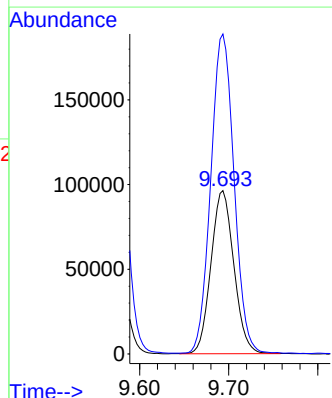
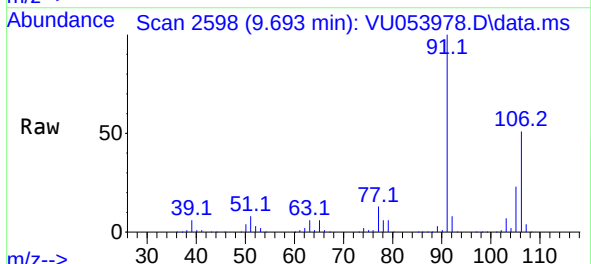
Instrument :
MSVOA_U
ClientSampleId :

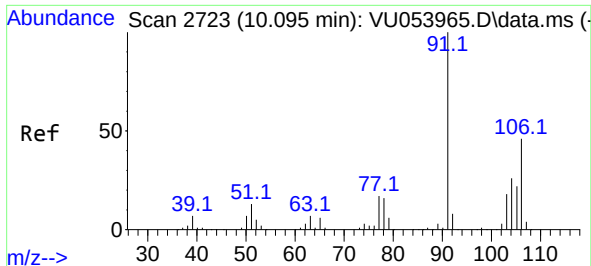
Tgt Ion: 91 Resp: 440650
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6



#53
m,p-Xylene
Concen: 49.853 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:106 Resp: 171527
Ion Ratio Lower Upper
106 100
91 195.9 140.0 260.0

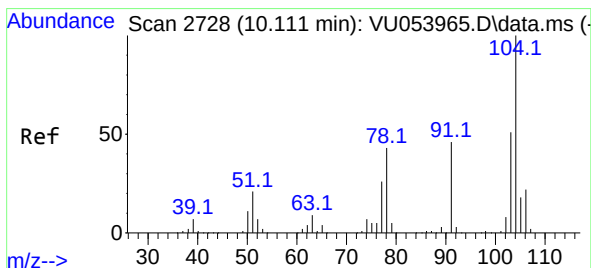
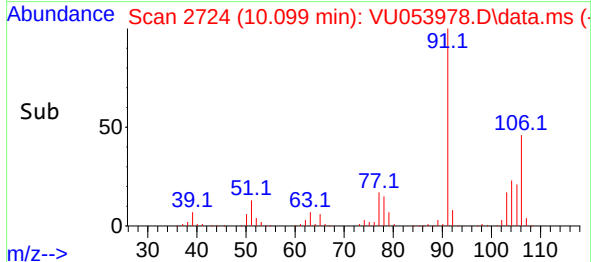
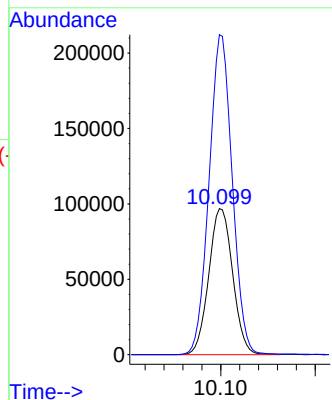
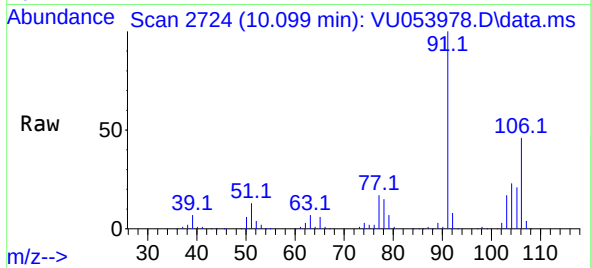




#54
o-Xylene
Concen: 50.133 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

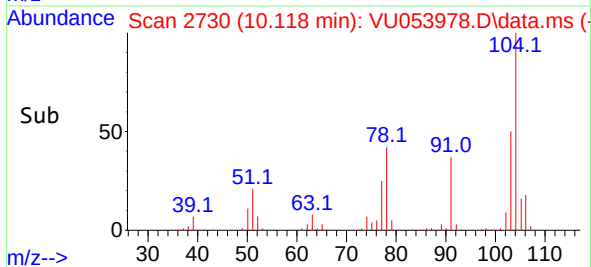
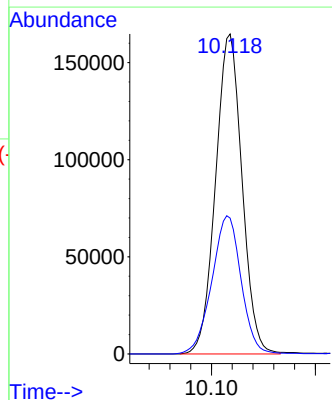
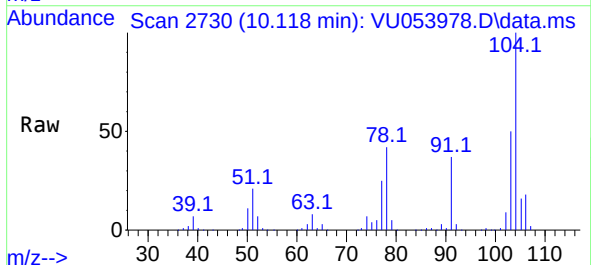
Instrument :
MSVOA_U
ClientSampleId :

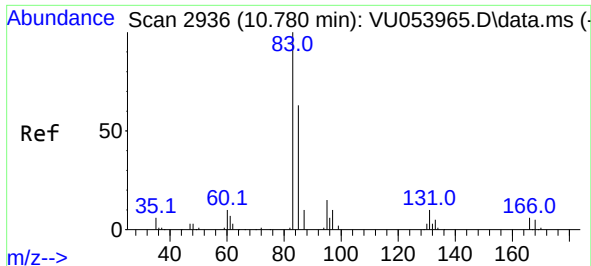
Tgt Ion:106 Resp: 170541
Ion Ratio Lower Upper
106 100
91 219.0 144.9 269.1



#55
Styrene
Concen: 52.519 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:104 Resp: 291001
Ion Ratio Lower Upper
104 100
78 42.4 31.3 58.1

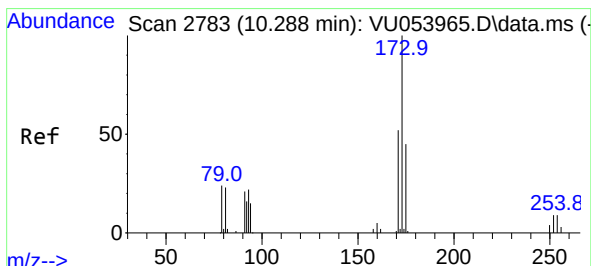
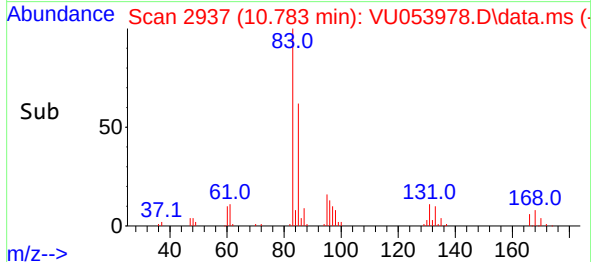
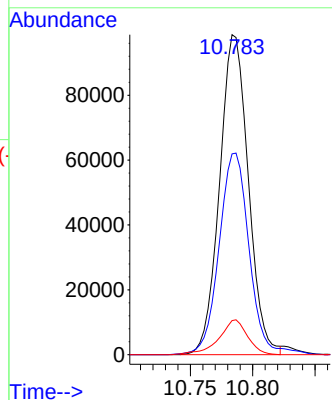
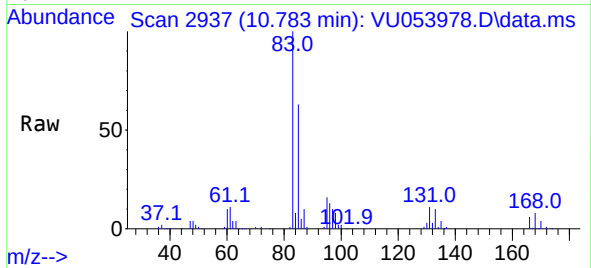




#57
1,1,2,2-Tetrachloroethane
Concen: 55.581 ug/L
RT: 10.783 min Scan# 2936
Delta R.T. 0.006 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

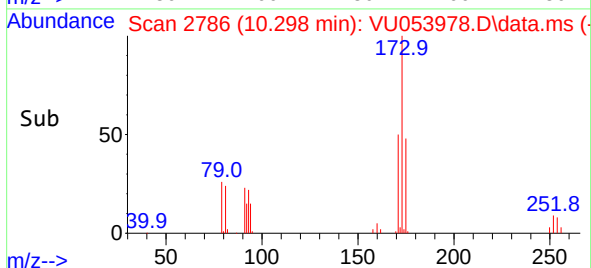
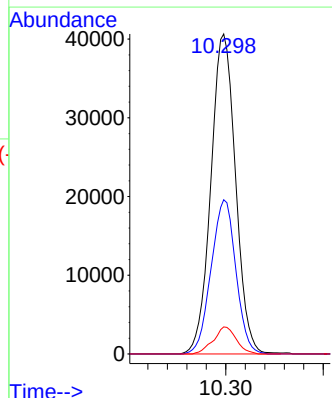
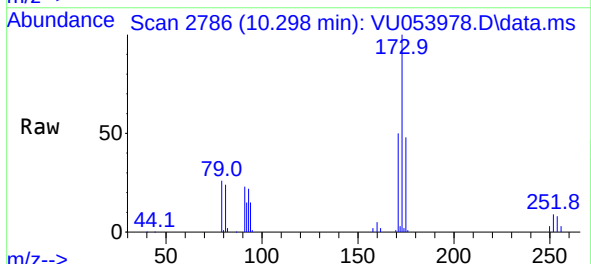
Instrument :
MSVOA_U
ClientSampleId :

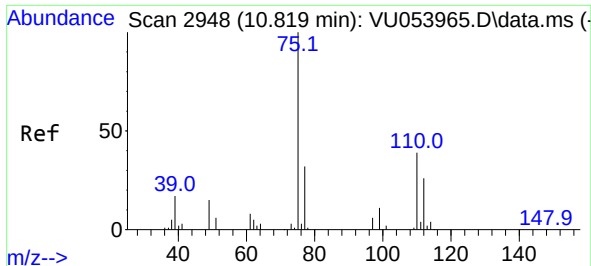
Tgt Ion: 83 Resp: 158650
Ion Ratio Lower Upper
83 100
85 62.7 47.0 87.4
131 10.6 8.7 13.1



#59
Bromoform
Concen: 48.922 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.013 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:173 Resp: 71473
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.6
254 7.8 7.0 10.4

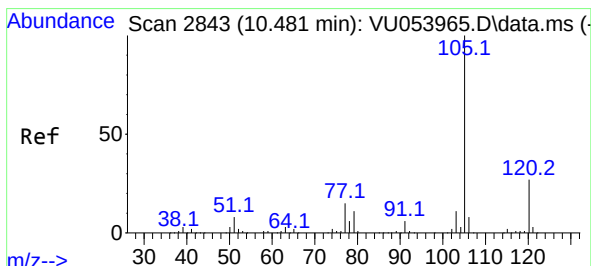
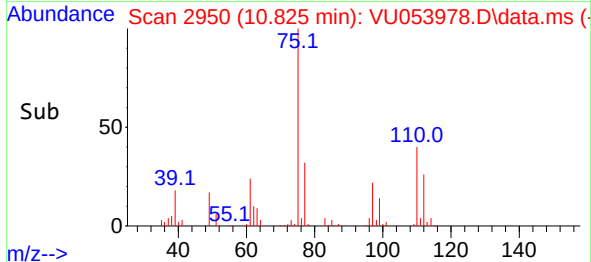
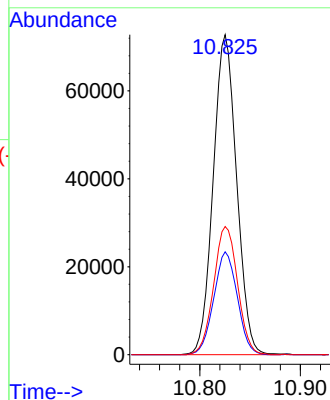
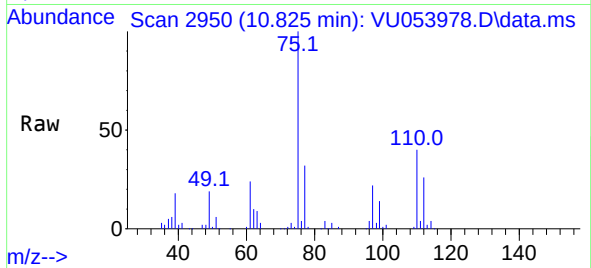




#60
1,2,3-Trichloropropane
Concen: 56.899 ug/L
RT: 10.825 min Scan# 2948
Delta R.T. 0.006 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

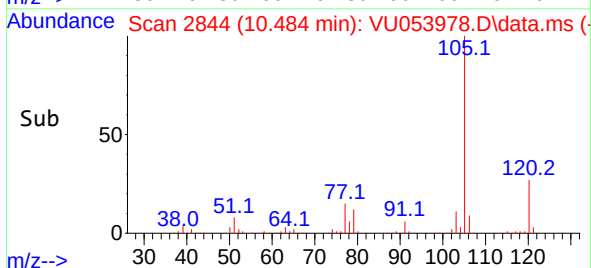
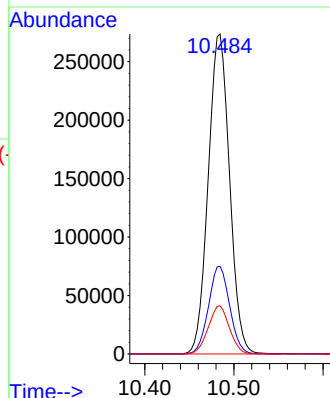
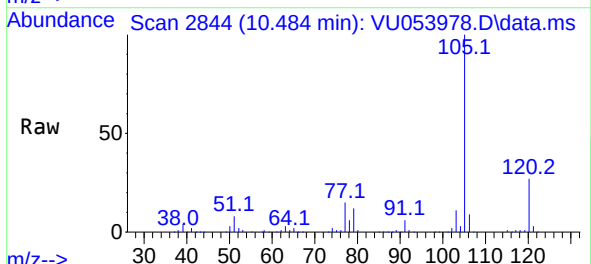
Instrument :
MSVOA_U
ClientSampleId :

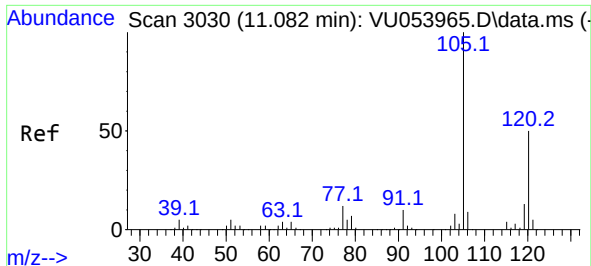
Tgt Ion: 75 Resp: 117759
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 40.9 32.6 48.8



#61
Isopropylbenzene
Concen: 53.868 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion: 105 Resp: 454581
Ion Ratio Lower Upper
105 100
120 27.2 22.4 33.6
77 14.9 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 53.286 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

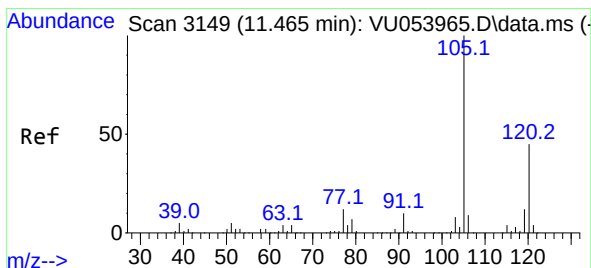
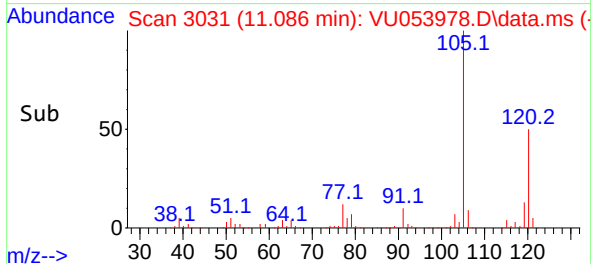
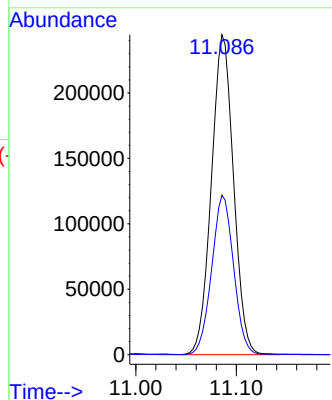
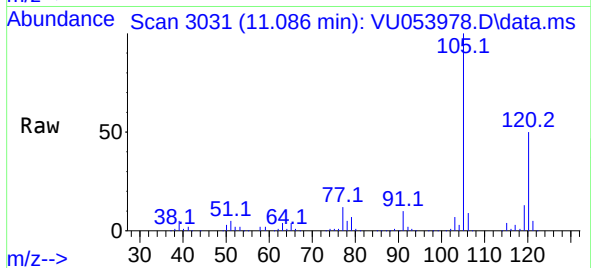
ClientSampleId :

Tgt Ion:105 Resp: 373808

Ion Ratio Lower Upper

105 100

120 49.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 53.600 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053978.D

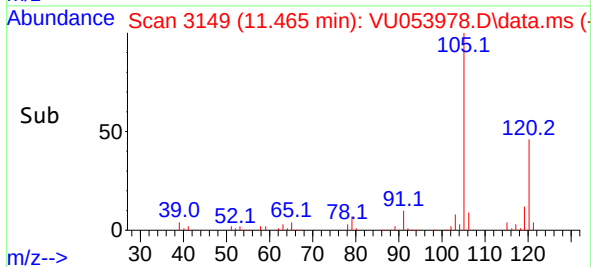
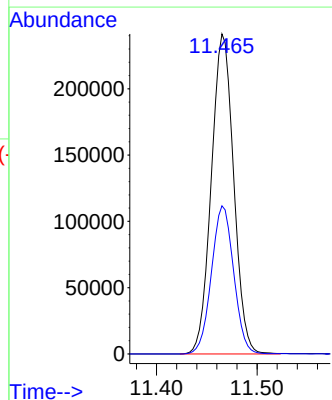
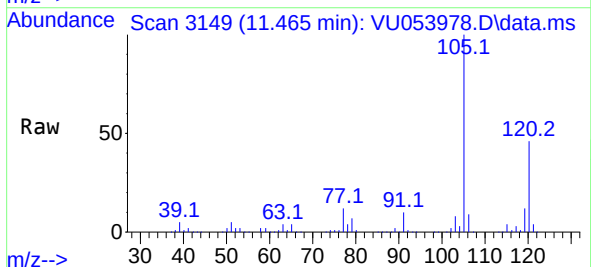
Acq: 28 Apr 2023 18:44

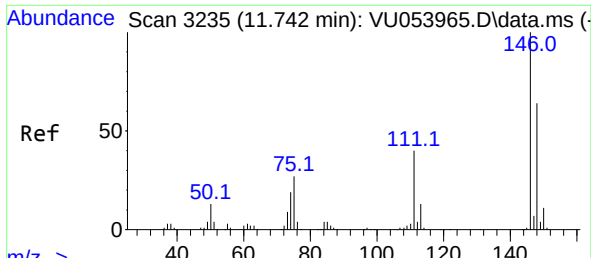
Tgt Ion:105 Resp: 372414

Ion Ratio Lower Upper

105 100

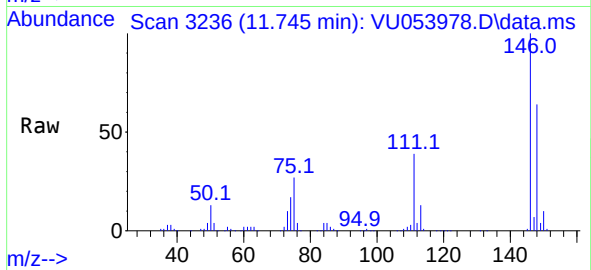
120 46.1 37.5 56.3



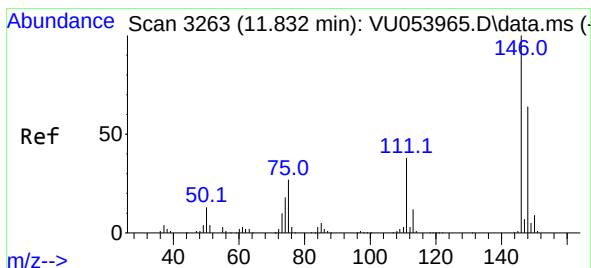
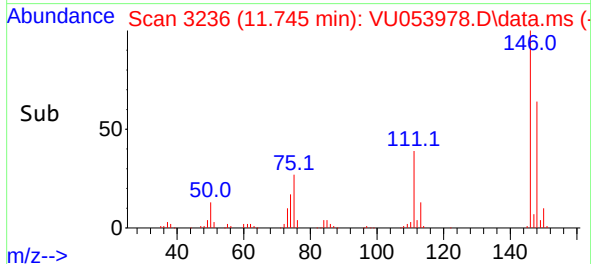
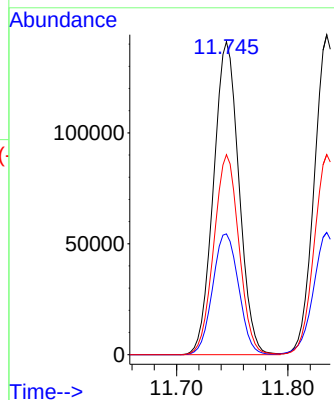


#64
1,3-Dichlorobenzene
Concen: 50.848 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

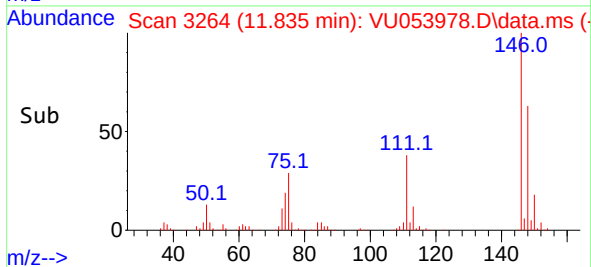
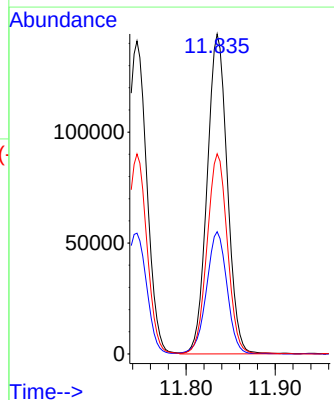
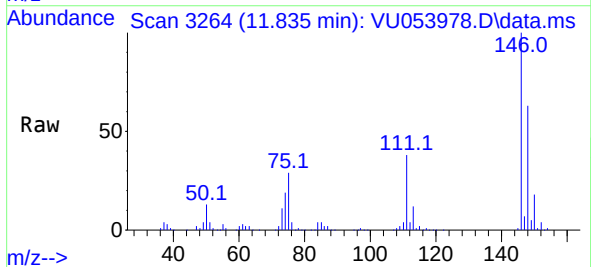


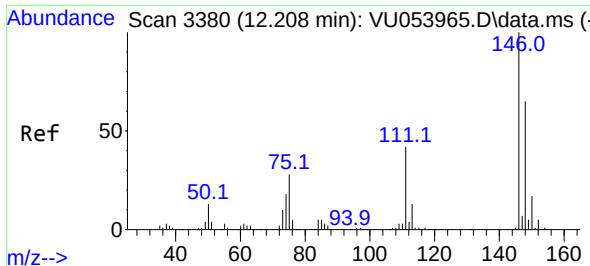
Tgt Ion:146 Resp: 224214
Ion Ratio Lower Upper
146 100
111 38.6 25.7 47.7
148 63.9 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 50.390 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:146 Resp: 226459
Ion Ratio Lower Upper
146 100
111 38.2 25.1 46.5
148 62.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 50.144 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

Instrument :

MSVOA_U

ClientSampleId :

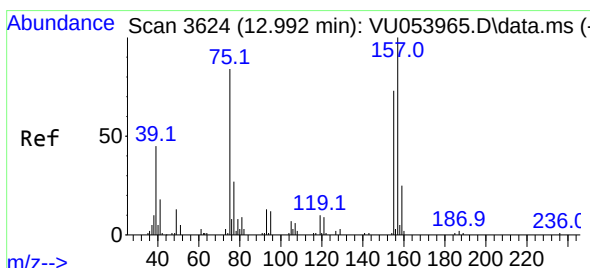
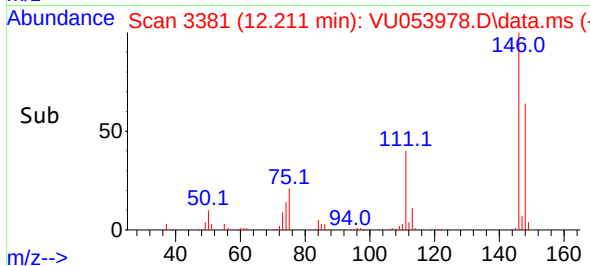
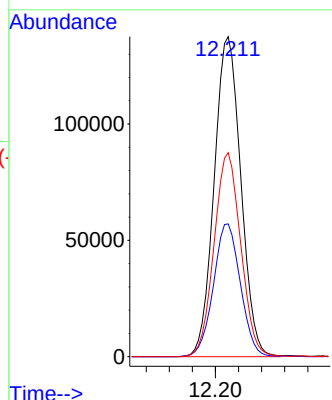
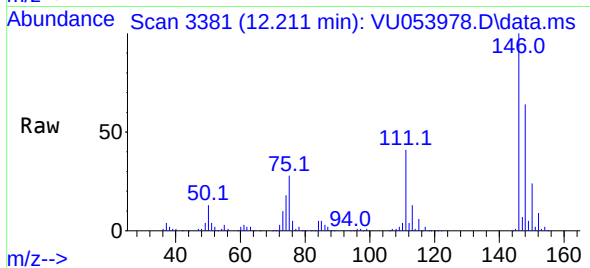
Tgt Ion:146 Resp: 220368

Ion Ratio Lower Upper

146 100

111 41.5 31.5 47.3

148 63.7 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.890 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053978.D

Acq: 28 Apr 2023 18:44

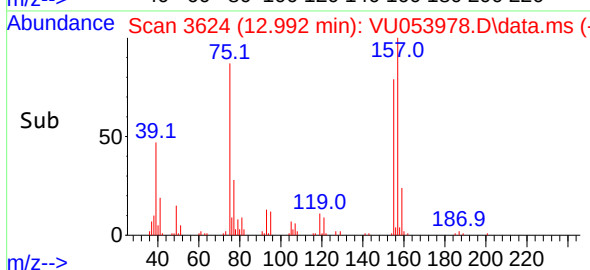
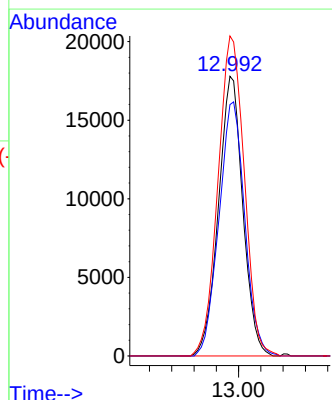
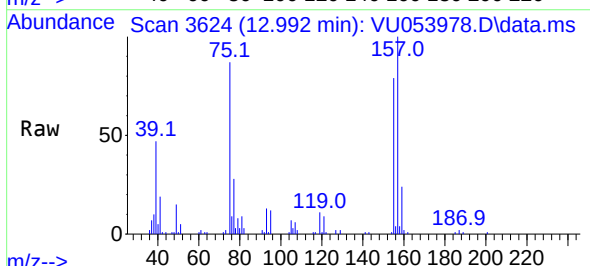
Tgt Ion: 75 Resp: 26974

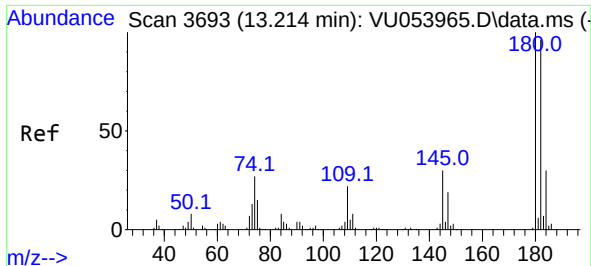
Ion Ratio Lower Upper

75 100

155 89.9 79.9 119.9

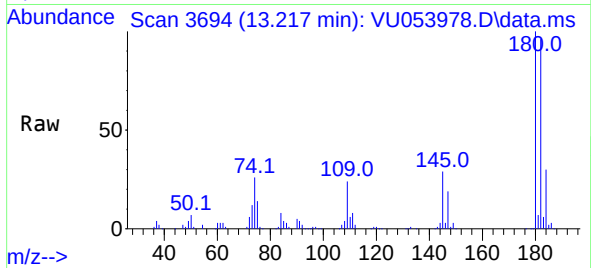
157 114.4 100.8 151.2



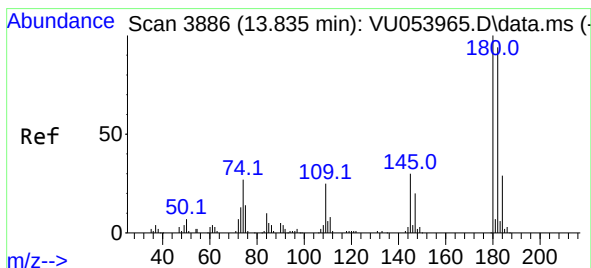
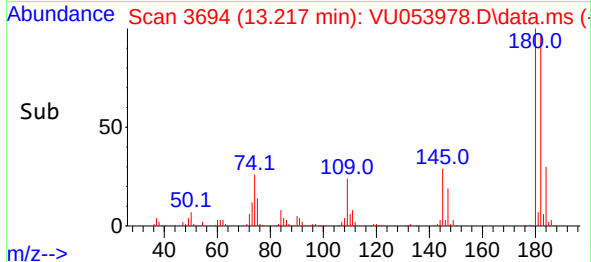
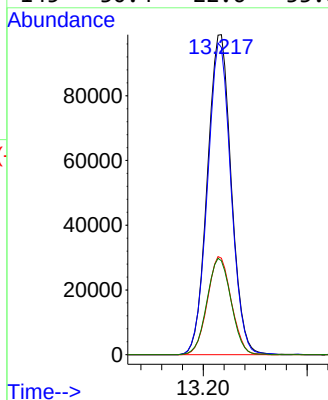


#69
1,3,5-Trichlorobenzene
Concen: 48.213 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :

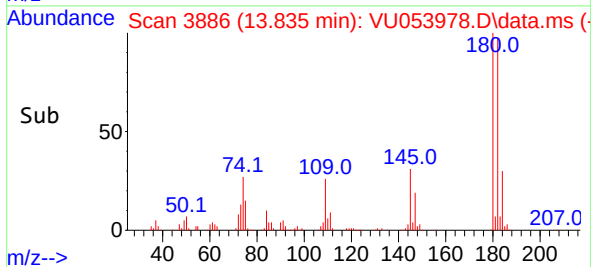
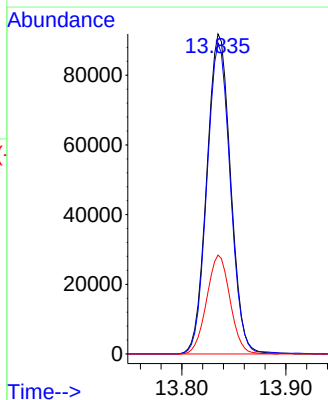
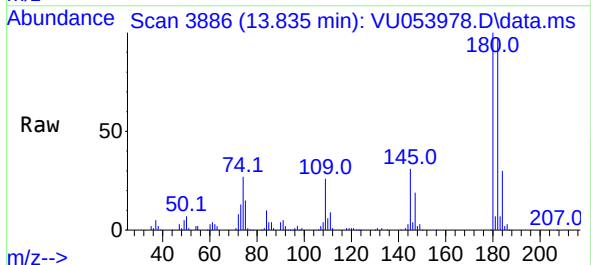


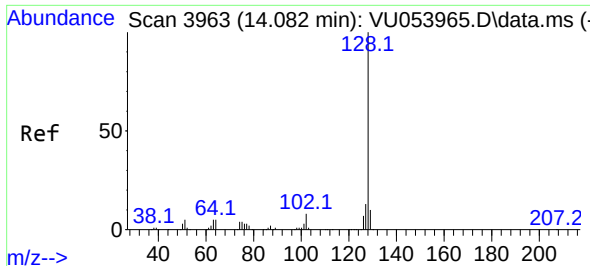
Tgt Ion:180 Resp: 157432
Ion Ratio Lower Upper
180 100
182 95.8 75.6 113.4
184 30.6 24.2 36.2
145 30.4 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 48.242 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

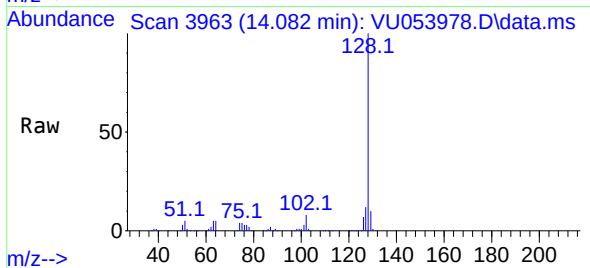
Tgt Ion:180 Resp: 146048
Ion Ratio Lower Upper
180 100
182 95.3 75.8 113.8
145 30.3 23.4 35.2





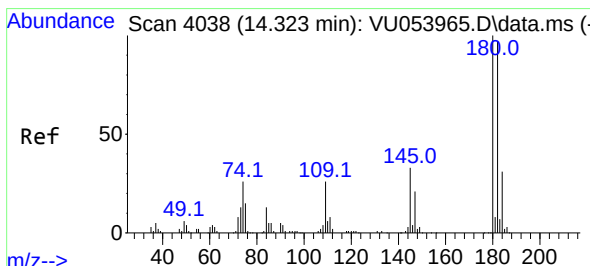
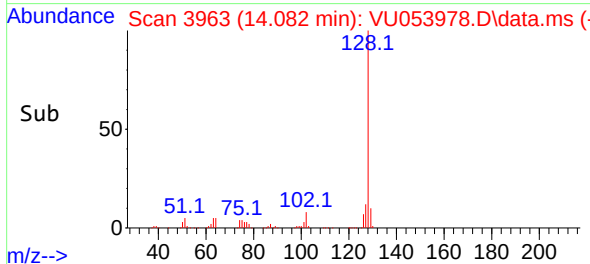
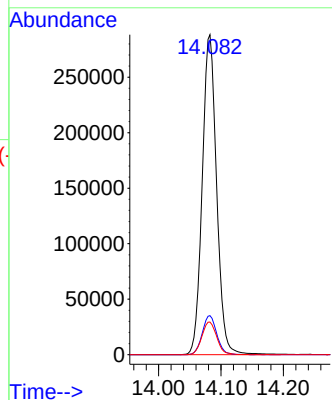
#71
Naphthalene
Concen: 51.027 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 462381

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.6	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.214 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053978.D
Acq: 28 Apr 2023 18:44

Tgt Ion:180 Resp: 145791

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
145	32.4	25.4	38.0

