

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092922\
 Data File : VU050979.D
 Acq On : 29 Sep 2022 14:54
 Operator : JC/MD
 Sample : VSTD00537
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 01:21:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:20:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	346379	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	413856	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	165285	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	20003	5.647	ug/L	0.00
7) Chloroethane-d5	1.912	69	16325	6.291	ug/L	0.01
11) 1,1-Dichloroethene-d2	2.568	63	29194	5.342	ug/L	0.00
21) 2-Butanone-d5	4.639	46	22809	9.996	ug/L	0.02
24) Chloroform-d	5.067	84	30051	5.399	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	19266	5.613	ug/L	0.00
32) Benzene-d6	5.729	84	57219	4.321	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	19096	4.291	ug/L	0.00
41) Toluene-d8	7.899	98	51100	4.380	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	9439	4.813	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	13413	7.391	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	32112	4.611	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	18830	5.402	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	17559	5.123	ug/L	100
3) Chloromethane	1.520	50	20382	5.102	ug/L	99
5) Vinyl chloride	1.604	62	21495	5.422	ug/L	99
6) Bromomethane	1.861	94	15738	7.163	ug/L	95
8) Chloroethane	1.935	64	14045	6.245	ug/L	98
9) Trichlorofluoromethane	2.141	101	29464	6.604	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	15720	5.654	ug/L	98
12) 1,1-Dichloroethene	2.581	96	13957	5.362	ug/L	97
13) Acetone	2.645	43	26666	14.037	ug/L	97
14) Carbon disulfide	2.793	76	42598	5.230	ug/L	99
15) Methyl Acetate	2.957	43	18547	5.168	ug/L	96
16) Methylene chloride	3.047	84	24440	6.720	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	15326	5.729	ug/L	92
18) Methyl tert-butyl Ether	3.362	73	41831	5.110	ug/L #	91
19) 1,1-Dichloroethane	3.870	63	27607	5.135	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	15368	5.165	ug/L	97
22) 2-Butanone	4.716	43	27438	10.914	ug/L	98
23) Bromochloromethane	4.973	128	8781	5.559	ug/L	95
25) Chloroform	5.092	83	30585	5.621	ug/L	98
27) 1,2-Dichloroethane	5.796	62	23855	5.780	ug/L	99
29) Cyclohexane	5.388	56	18064	3.395	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	24775	4.636	ug/L	97
31) Carbon tetrachloride	5.526	117	20417	4.608	ug/L	97
33) Benzene	5.774	78	61092	4.178	ug/L	100
34) Trichloroethene	6.542	95	16629	4.805	ug/L	99
35) Methylcyclohexane	6.764	83	19960	3.691	ug/L	96
37) 1,2-Dichloropropane	6.793	63	17729	4.434	ug/L	98
38) Bromodichloromethane	7.105	83	24482	5.049	ug/L	94
39) cis-1,3-Dichloropropene	7.610	75	22777	4.238	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	46830	8.516	ug/L	95
42) Toluene	7.970	91	62475	4.272	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	24605	4.782	ug/L	97

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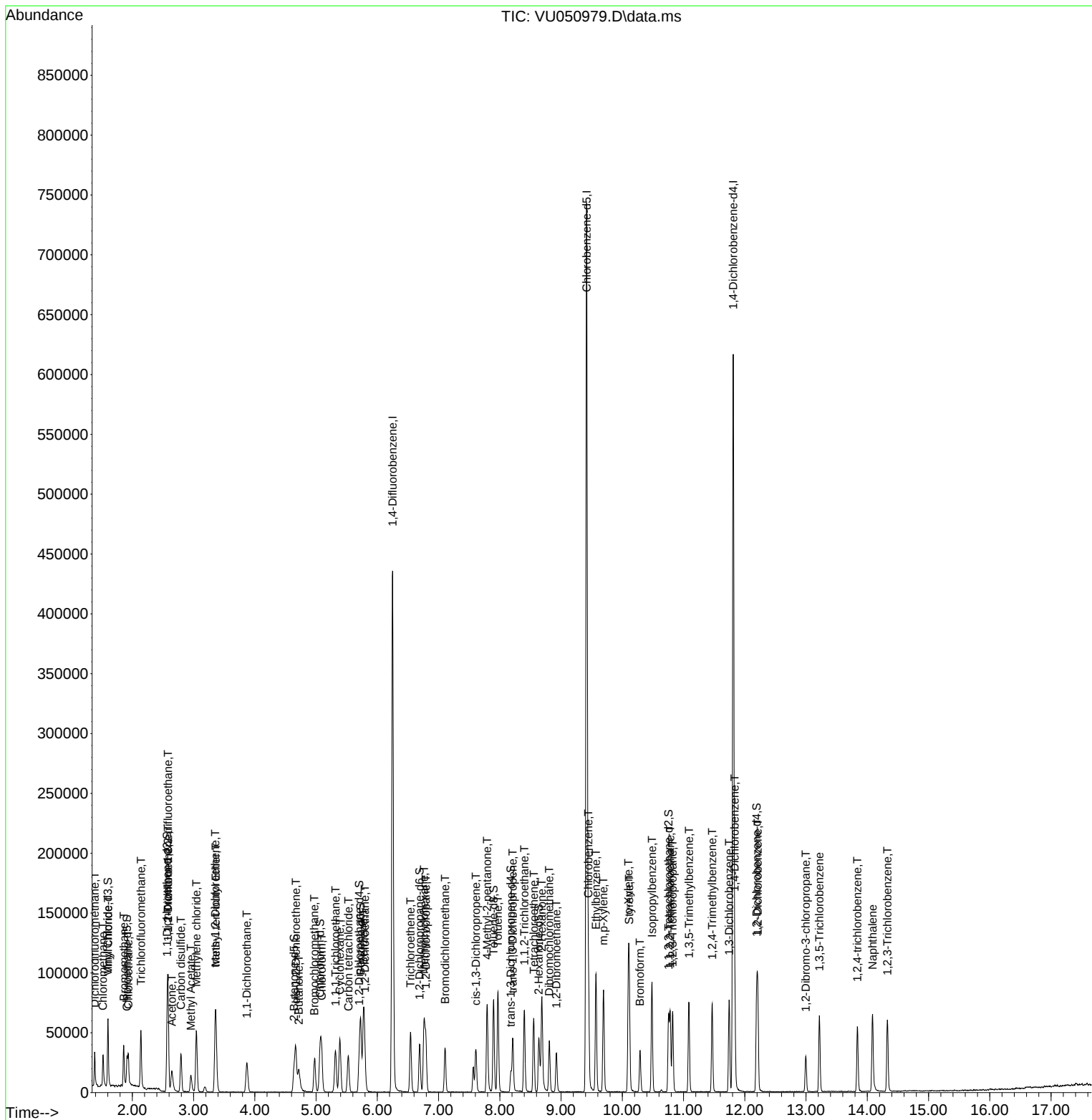
Quant Time: Sep 30 01:21:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:20:42 2022
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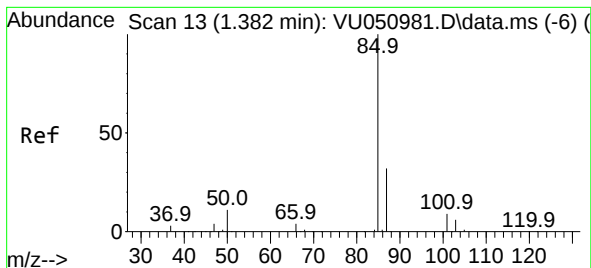
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.401	97	21241	5.634	ug/L	96
46) Tetrachloroethene	8.555	164	13777	5.510	ug/L	94
48) 2-Hexanone	8.687	43	47583	10.177	ug/L	97
49) Dibromochloromethane	8.809	129	21049	5.631	ug/L	99
50) 1,2-Dibromoethane	8.925	107	22460	5.724	ug/L	100
51) Chlorobenzene	9.446	112	49337	5.418	ug/L	97
52) Ethylbenzene	9.571	91	66293	4.452	ug/L	99
53) m,p-Xylene	9.693	106	23659	4.305	ug/L	97
54) o-Xylene	10.099	106	23070	4.198	ug/L	100
55) Styrene	10.115	104	37007	3.920	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	31260	4.475	ug/L	98
59) Bromoform	10.288	173	15739	6.680	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	27940	6.143	ug/L	97
61) Isopropylbenzene	10.484	105	54063	4.707	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	39848	4.179	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	38167	4.088	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	32298	6.088	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	31319	5.752	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	31496	5.481	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	7756	6.111	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	20316	5.385	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	17303	5.632	ug/L	100
71) Naphthalene	14.086	128	57044	4.906	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	19970	5.798	ug/L	95

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

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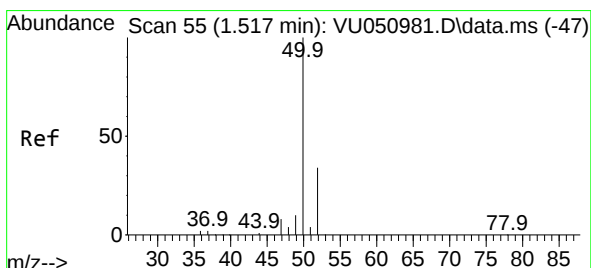
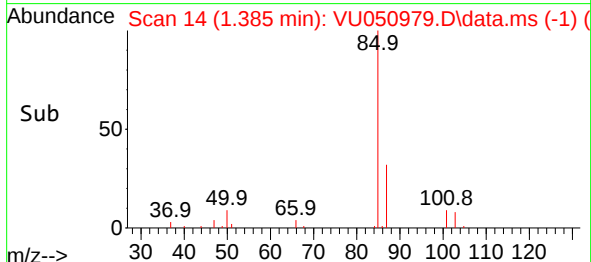
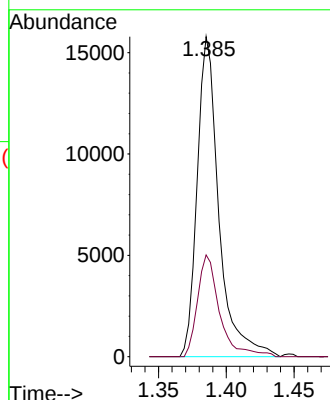
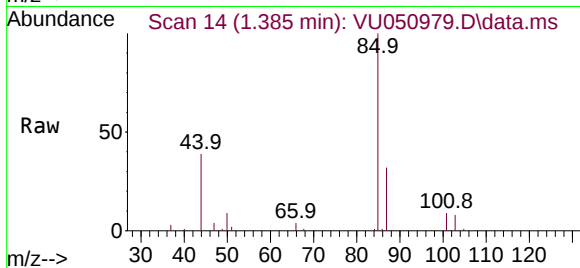




#2
Dichlorodifluoromethane
Concen: 5.123 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

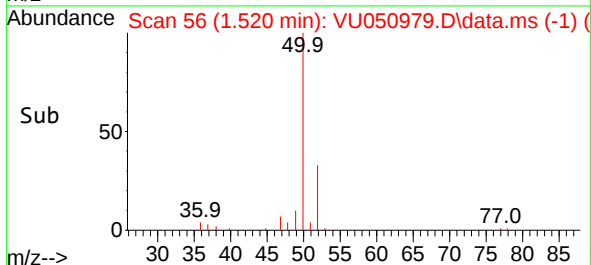
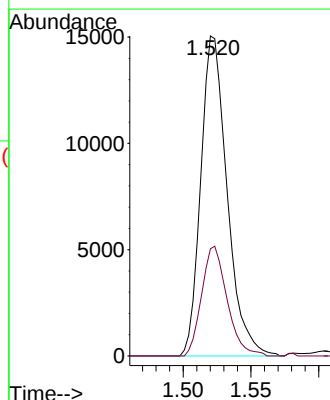
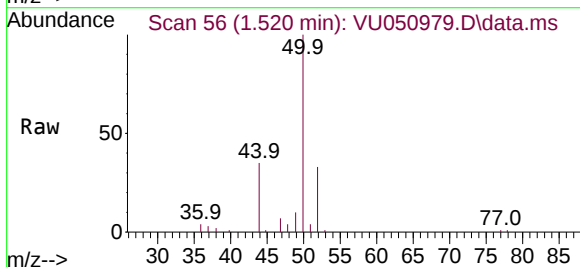
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MSVOA_U
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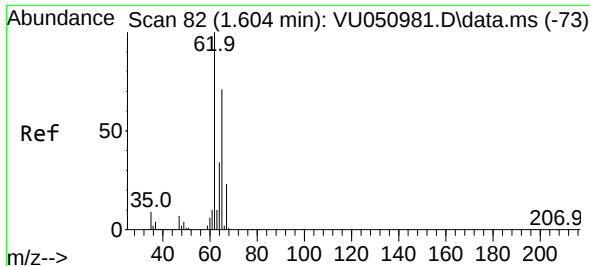
Tgt Ion: 85 Resp: 17559
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 5.102 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

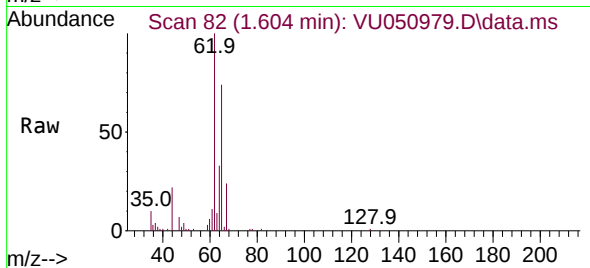
Tgt Ion: 50 Resp: 20382
Ion Ratio Lower Upper
50 100
52 33.5 23.7 44.1



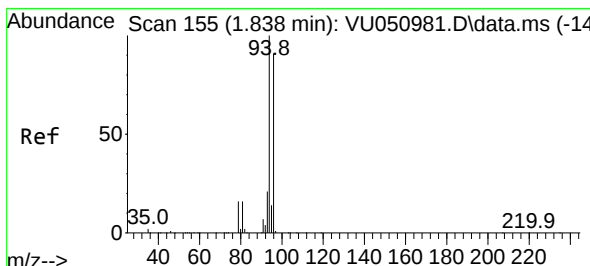
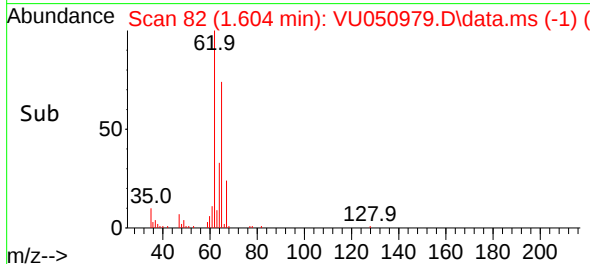
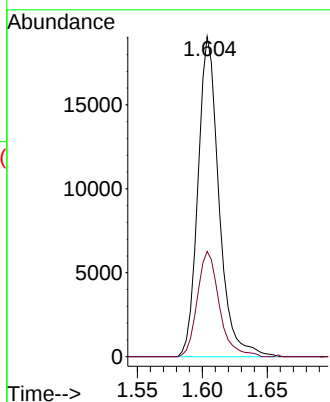


#5
 Vinyl chloride
 Concen: 5.422 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050979.D
 Acq: 29 Sep 2022 14:54

Instrument :
 MSVOA_U
 ClientSampleId :

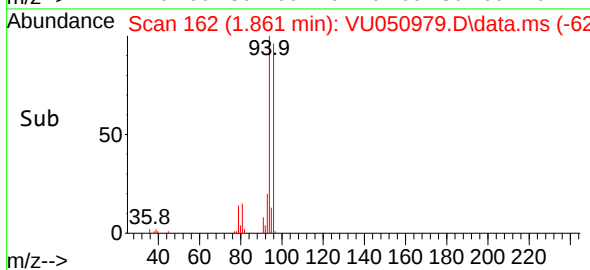
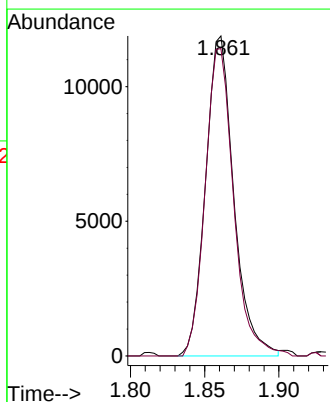
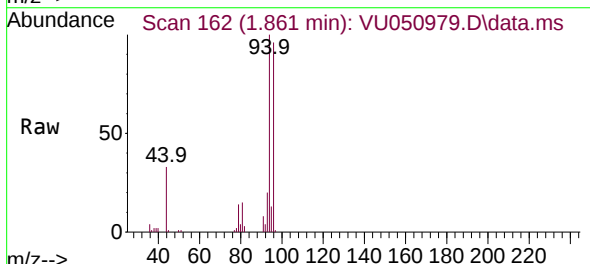


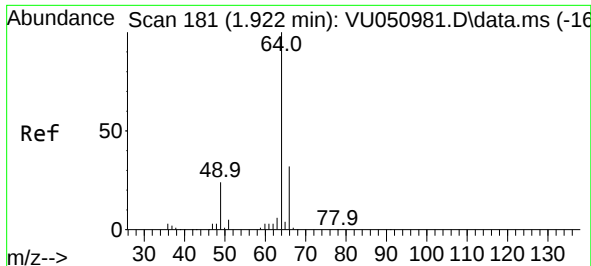
Tgt Ion: 62 Resp: 21495
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.5 43.7



#6
 Bromomethane
 Concen: 7.163 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.022 min
 Lab File: VU050979.D
 Acq: 29 Sep 2022 14:54

Tgt Ion: 94 Resp: 15738
 Ion Ratio Lower Upper
 94 100
 96 96.0 63.9 118.7

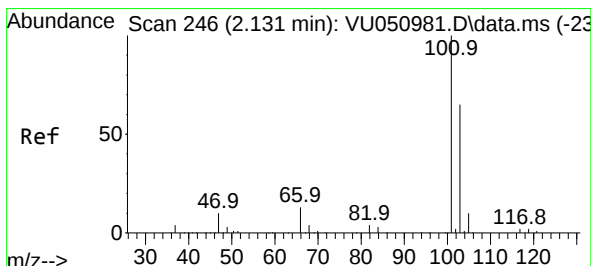
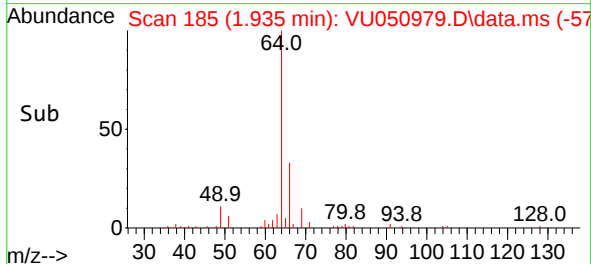
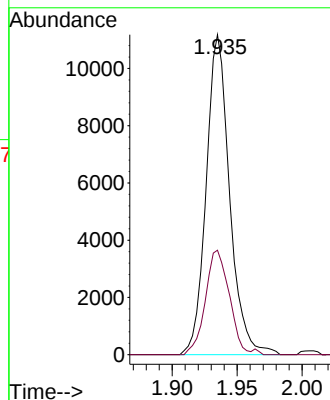
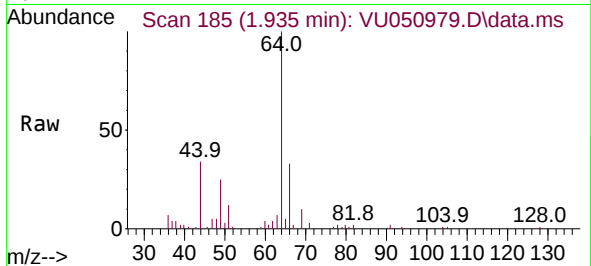




#8
Chloroethane
Concen: 6.245 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

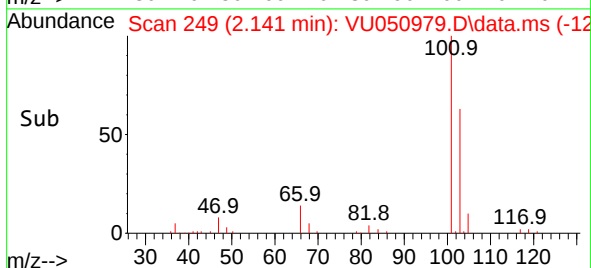
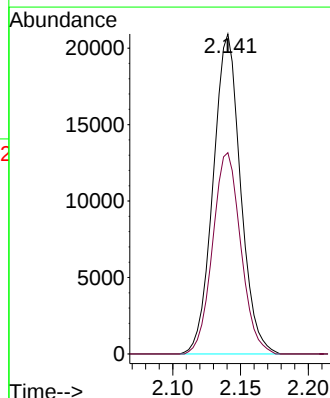
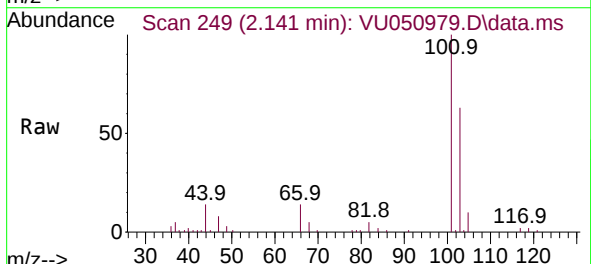
Instrument :
MSVOA_U
ClientSampleId :

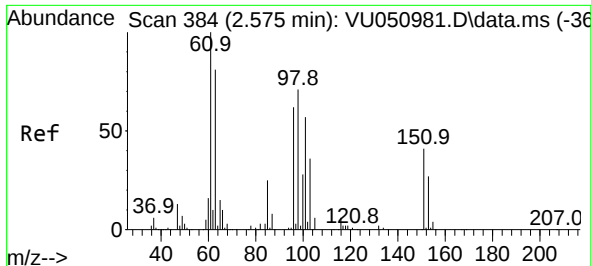
Tgt Ion: 64 Resp: 14045
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 6.604 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.010 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion:101 Resp: 29464
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

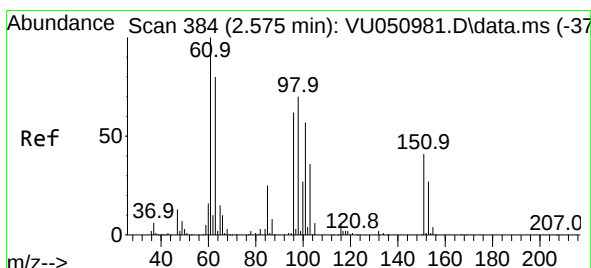
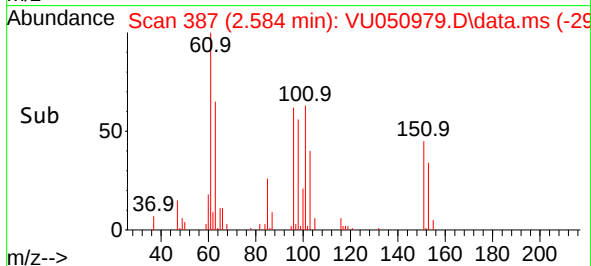
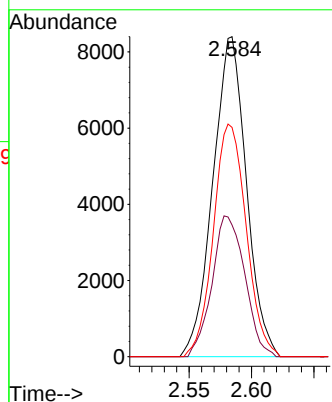
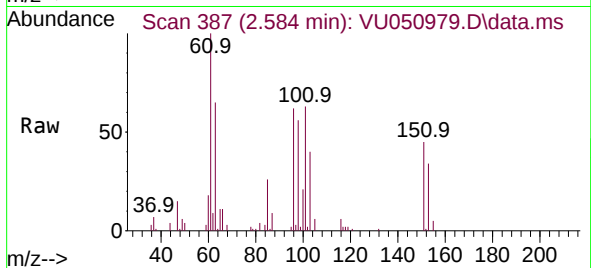




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.654 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.010 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

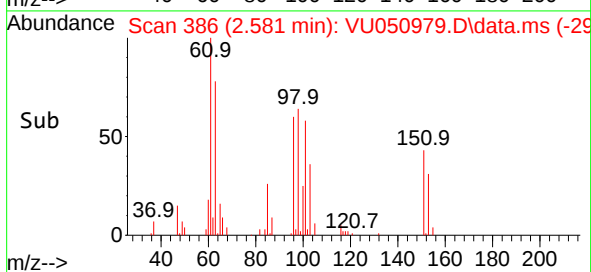
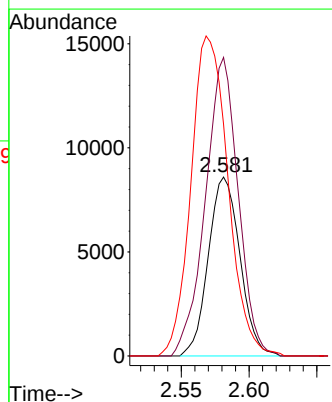
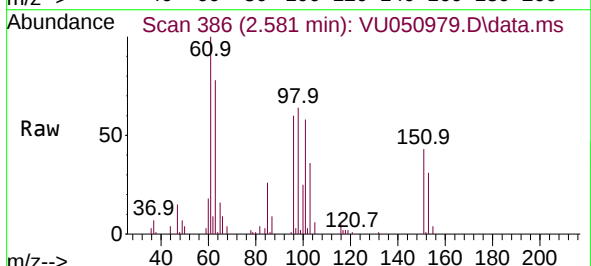
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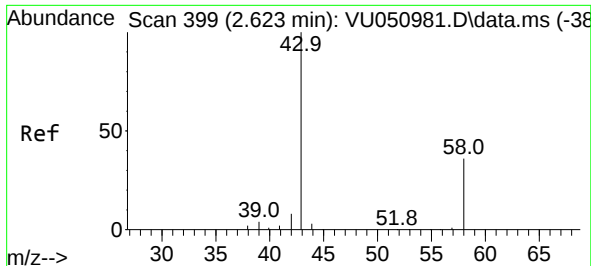
Tgt Ion:101 Resp: 15720
Ion Ratio Lower Upper
101 100
85 43.0 34.6 52.0
151 71.3 58.6 87.8



#12
1,1-Dichloroethene
Concen: 5.362 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.006 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 96 Resp: 13957
Ion Ratio Lower Upper
96 100
61 166.9 113.0 209.9
63 129.5 91.7 170.3





#13

Acetone

Concen: 14.037 ug/L

RT: 2.645 min Scan# 406

Delta R.T. 0.023 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

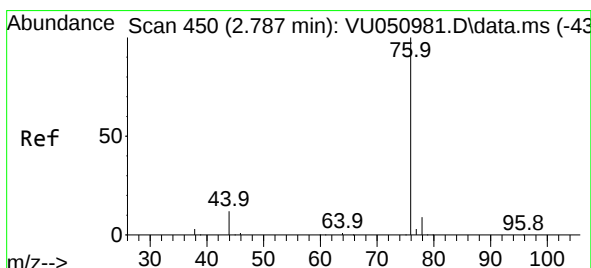
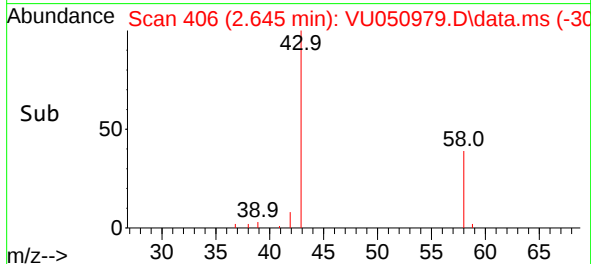
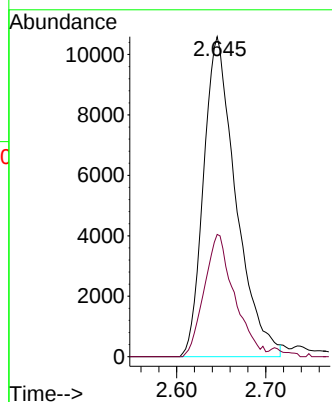
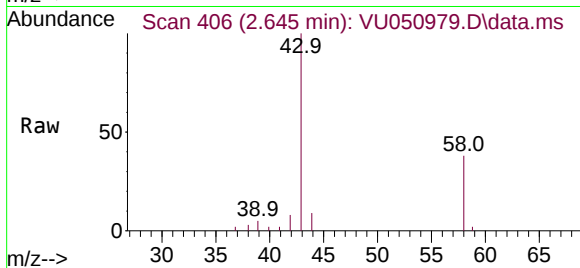
ClientSampleId :

Tgt Ion: 43 Resp: 26666

Ion Ratio Lower Upper

43 100

58 35.2 0.0 73.6



#14

Carbon disulfide

Concen: 5.230 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU050979.D

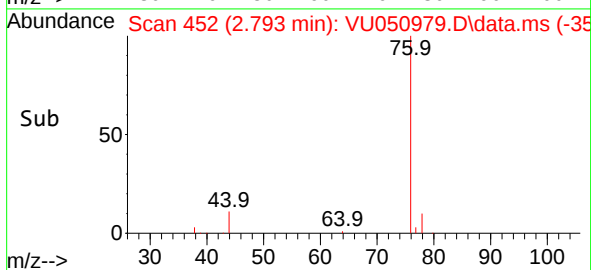
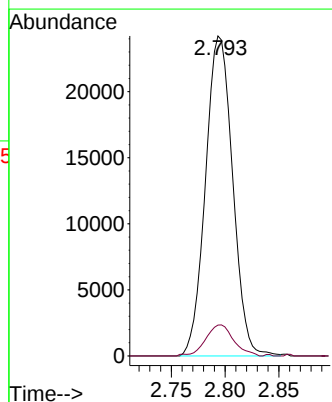
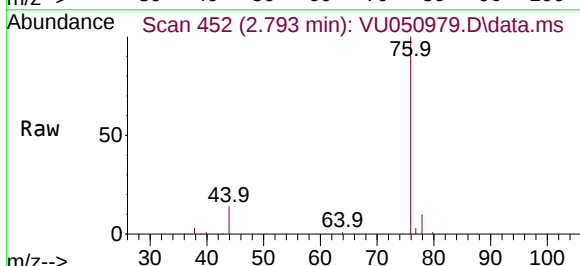
Acq: 29 Sep 2022 14:54

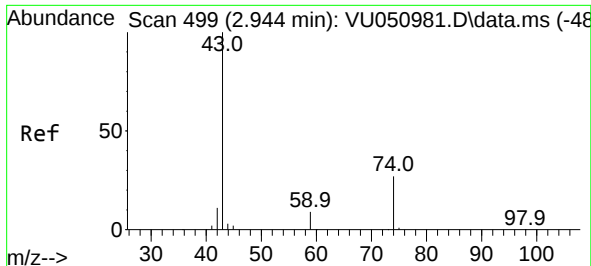
Tgt Ion: 76 Resp: 42598

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

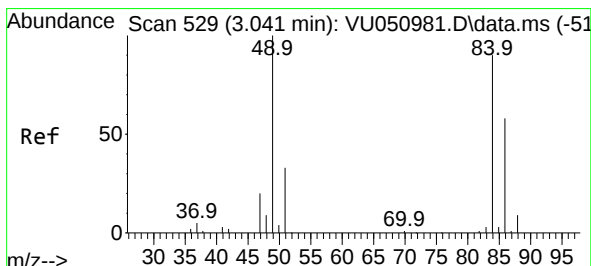
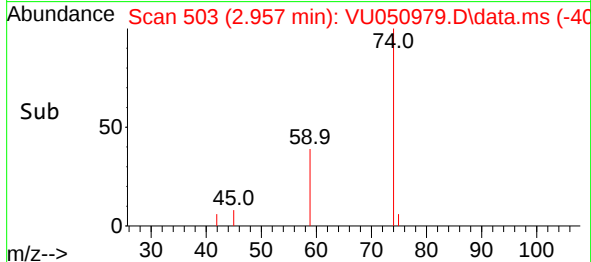
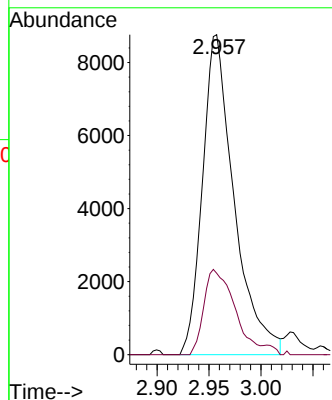
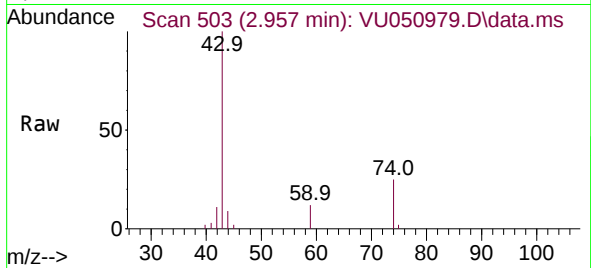




#15
Methyl Acetate
Concen: 5.168 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.013 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

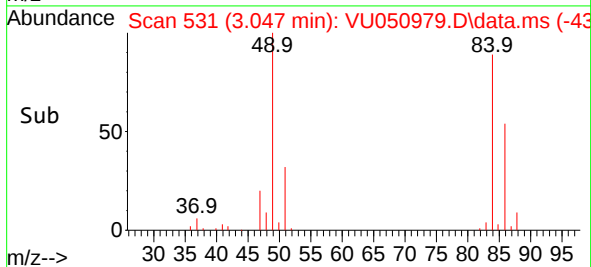
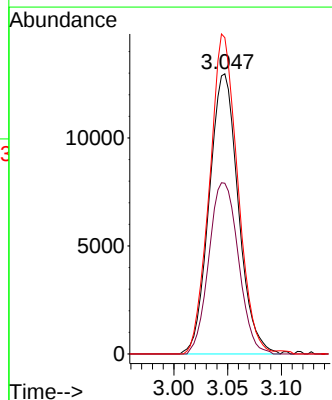
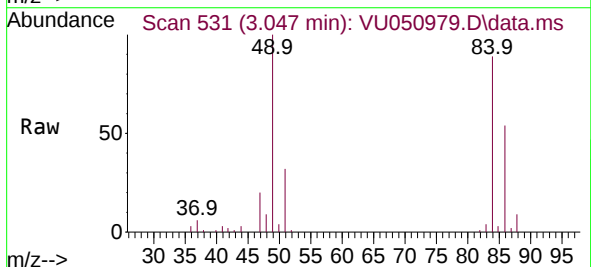
Instrument :
MSVOA_U
ClientSampleId :

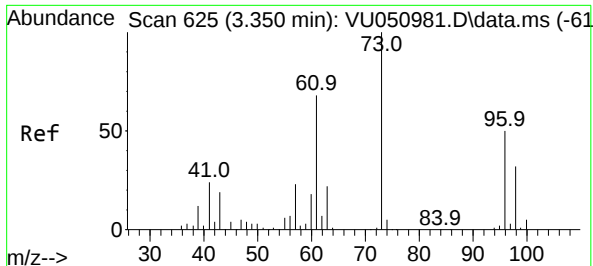
Tgt Ion: 43 Resp: 18547
Ion Ratio Lower Upper
43 100
74 25.7 22.4 33.6



#16
Methylene chloride
Concen: 6.720 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 84 Resp: 24440
Ion Ratio Lower Upper
84 100
86 61.0 45.4 84.4
49 112.9 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 5.729 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.006 min

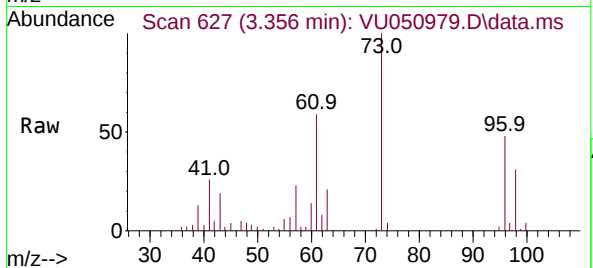
Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :



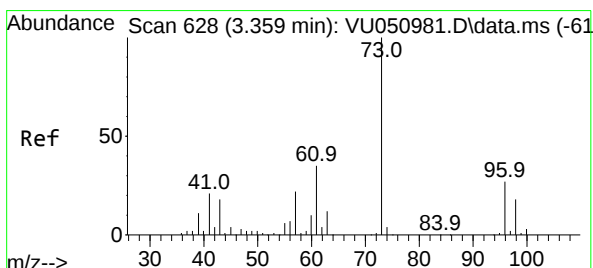
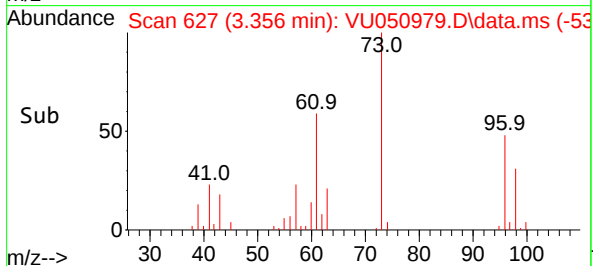
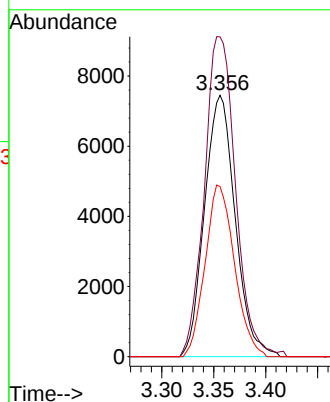
Tgt Ion: 96 Resp: 15326

Ion Ratio Lower Upper

96 100

61 122.4 95.1 176.5

98 65.1 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 5.110 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

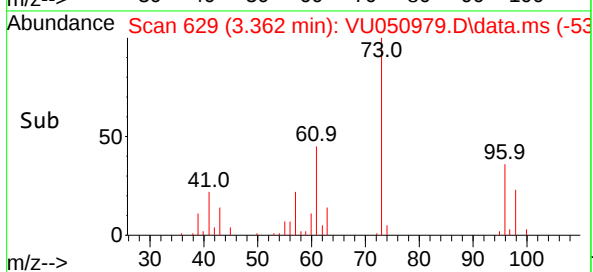
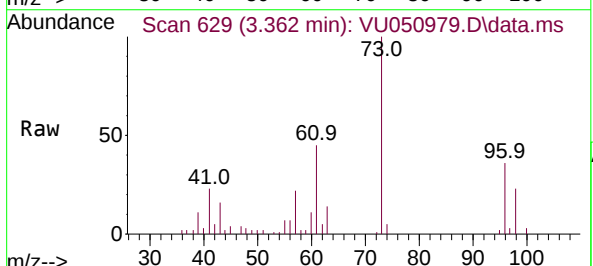
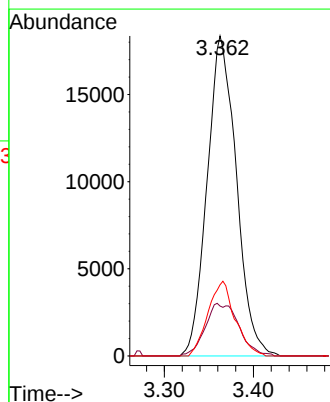
Tgt Ion: 73 Resp: 41831

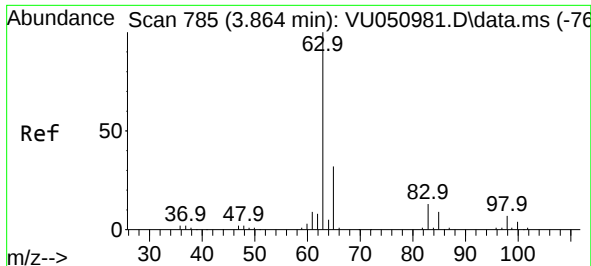
Ion Ratio Lower Upper

73 100

43 10.2 14.7 22.1#

57 21.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 5.135 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU050979.D

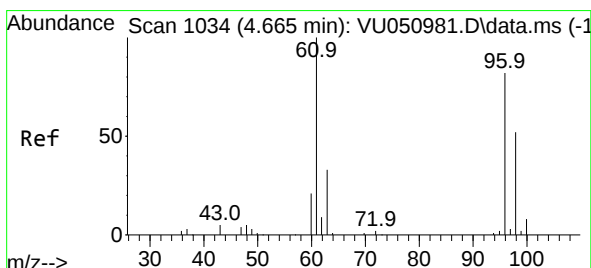
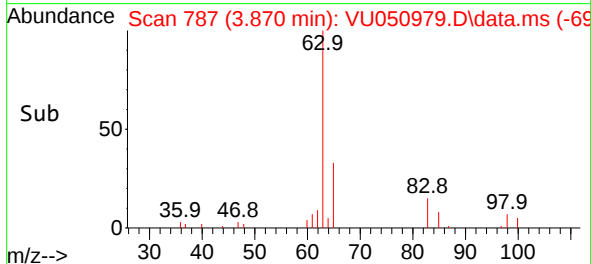
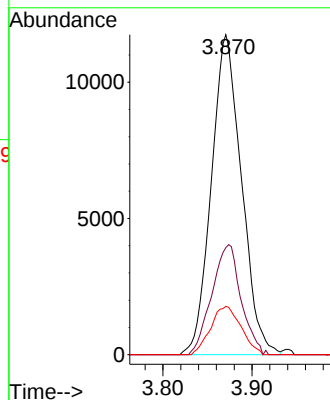
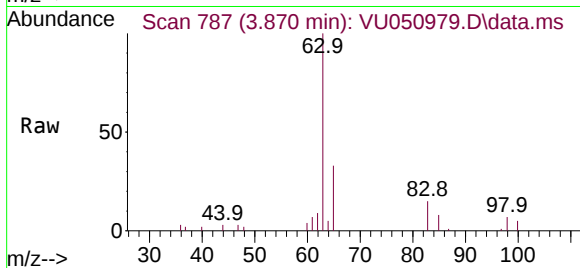
Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 27607
Ion Ratio	Lower Upper
63 100	
65 33.5	22.6 42.0
83 15.1	9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 5.165 ug/L

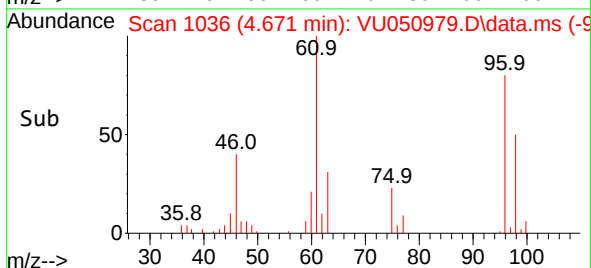
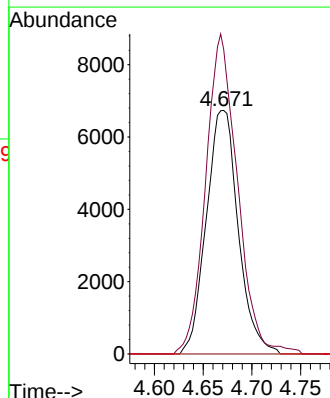
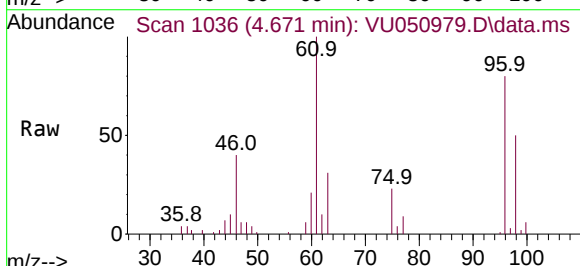
RT: 4.671 min Scan# 1036

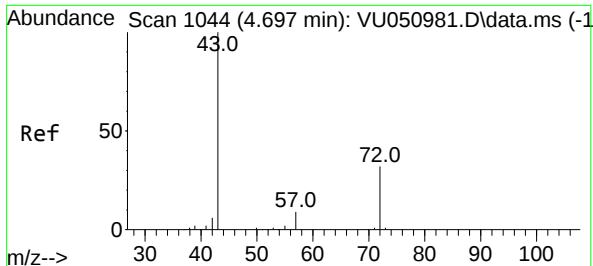
Delta R.T. 0.006 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Tgt Ion: 96	Resp: 15368
Ion Ratio	Lower Upper
96 100	
61 125.0	85.4 158.6
68 0.0	0.0 0.0





#22

2-Butanone

Concen: 10.914 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.019 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

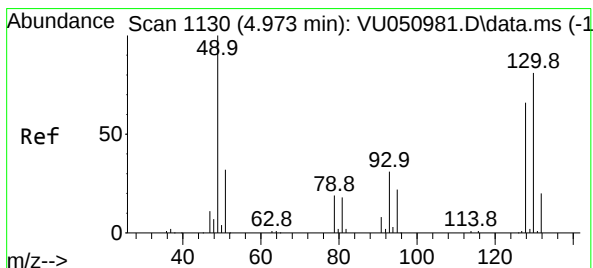
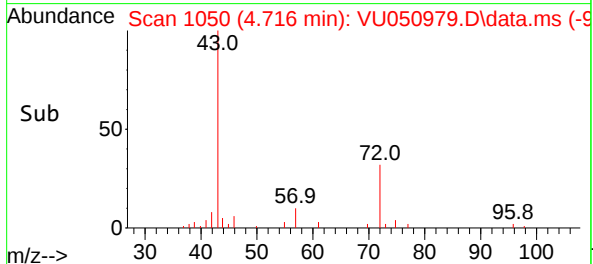
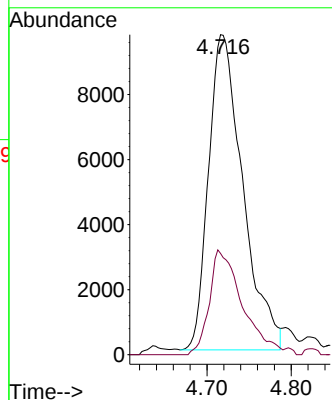
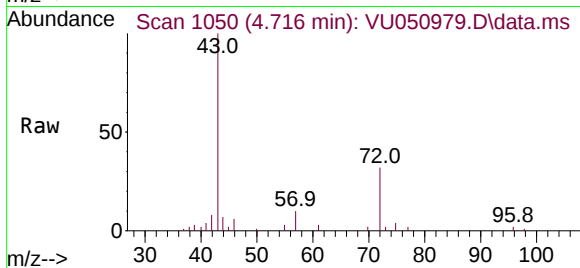
ClientSampleId :

Tgt Ion: 43 Resp: 27438

Ion Ratio Lower Upper

43 100

72 30.5 15.8 47.4



#23

Bromochloromethane

Concen: 5.559 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Tgt Ion: 128 Resp: 8781

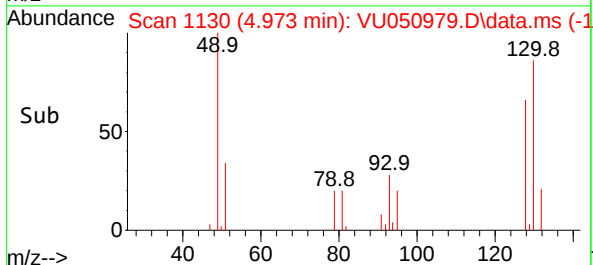
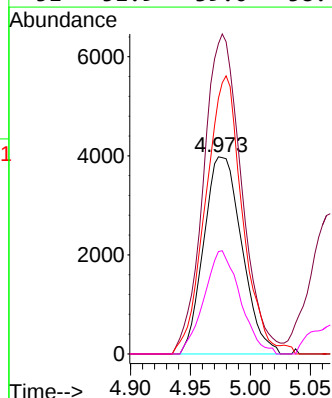
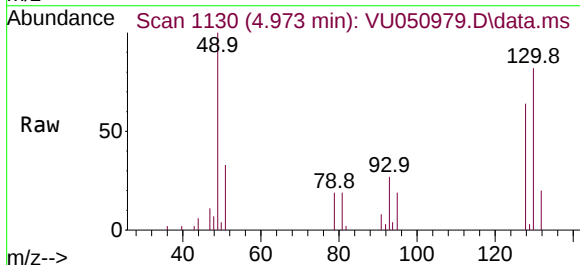
Ion Ratio Lower Upper

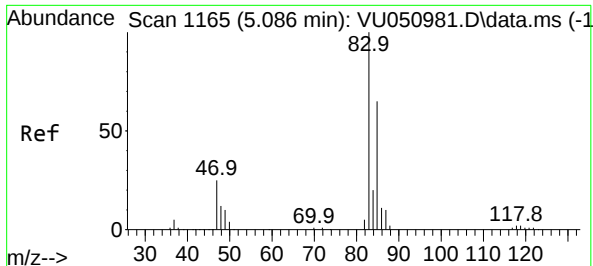
128 100

49 157.3 106.9 198.5

130 129.6 86.2 160.0

51 51.9 39.0 58.4





#25

Chloroform

Concen: 5.621 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

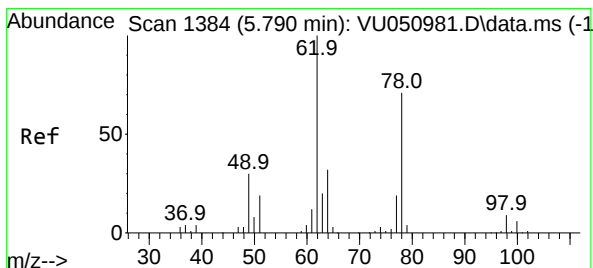
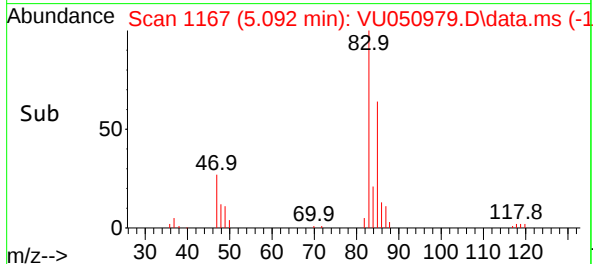
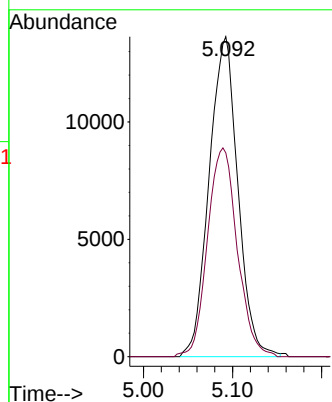
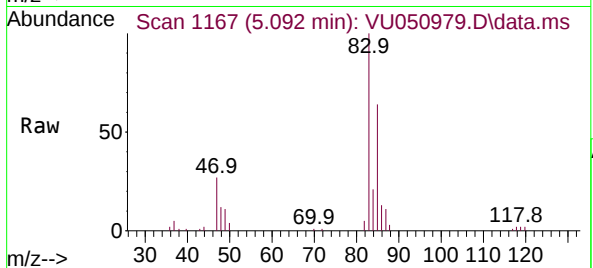
ClientSampleId :

Tgt Ion: 83 Resp: 30585

Ion Ratio Lower Upper

83 100

85 63.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.780 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VU050979.D

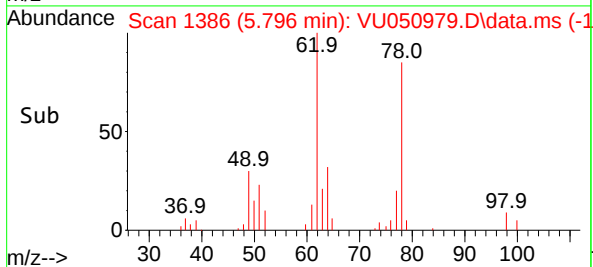
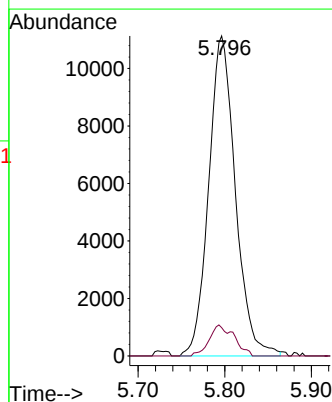
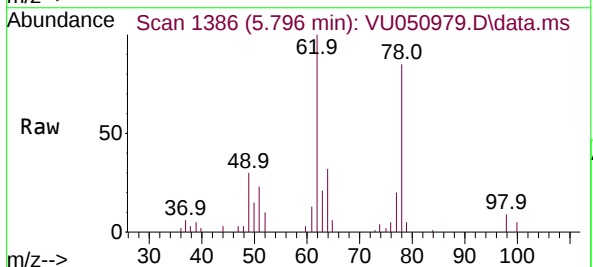
Acq: 29 Sep 2022 14:54

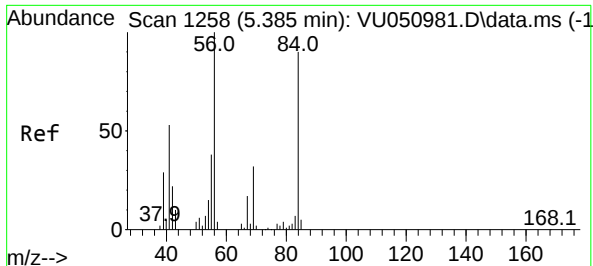
Tgt Ion: 62 Resp: 23855

Ion Ratio Lower Upper

62 100

98 8.9 7.3 10.9





#29

Cyclohexane

Concen: 3.395 ug/L

RT: 5.388 min Scan# 11

Delta R.T. 0.003 min

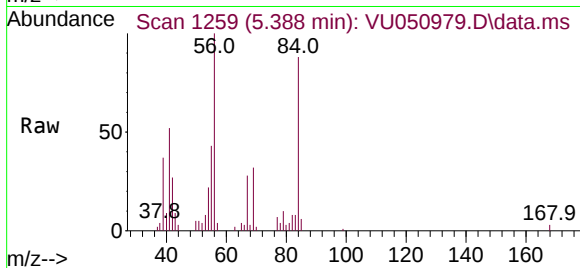
Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :



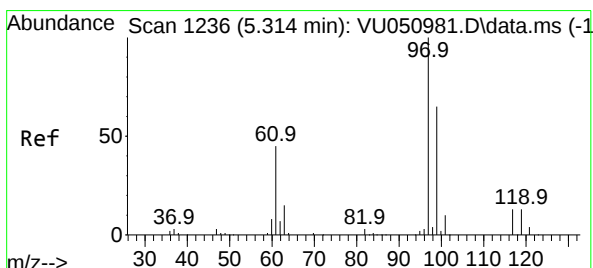
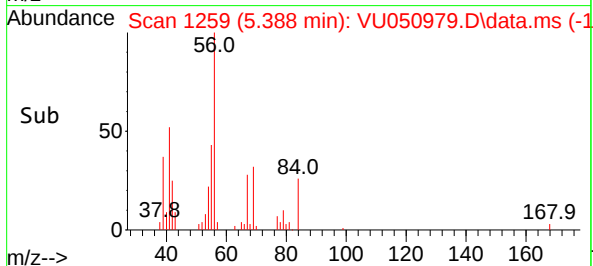
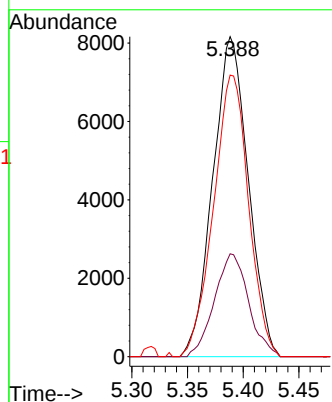
Tgt Ion: 56 Resp: 18064

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 87.0 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 4.636 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

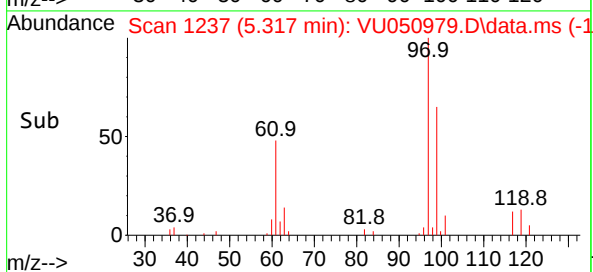
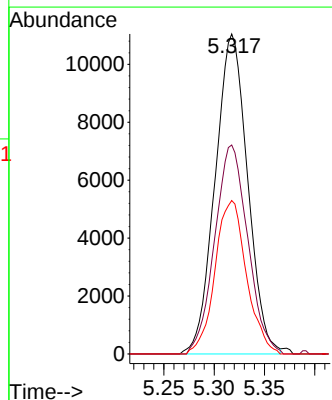
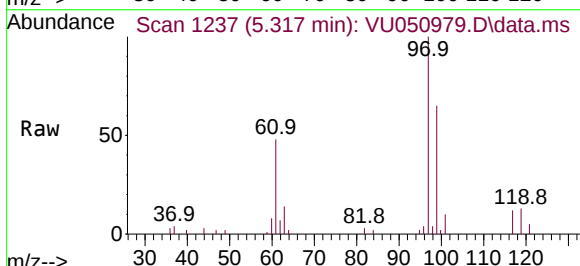
Tgt Ion: 97 Resp: 24775

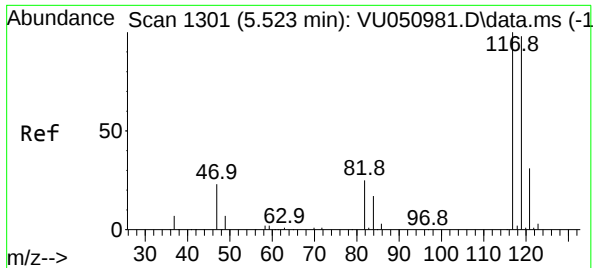
Ion Ratio Lower Upper

97 100

99 66.5 51.4 77.2

61 46.6 36.0 54.0

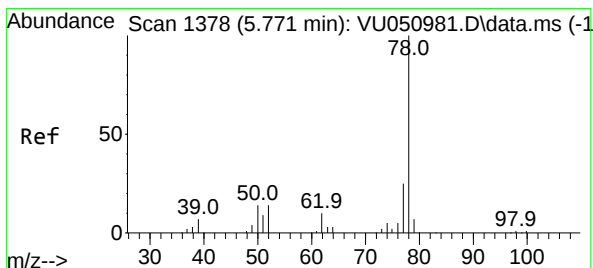
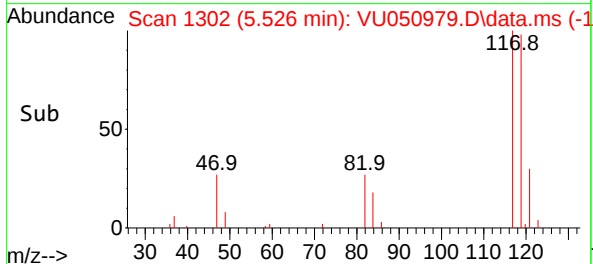
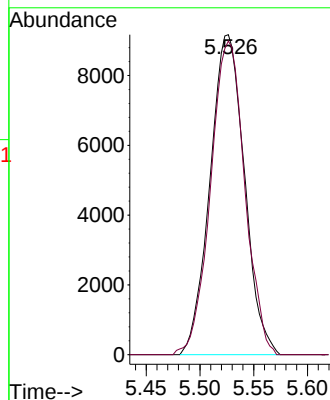
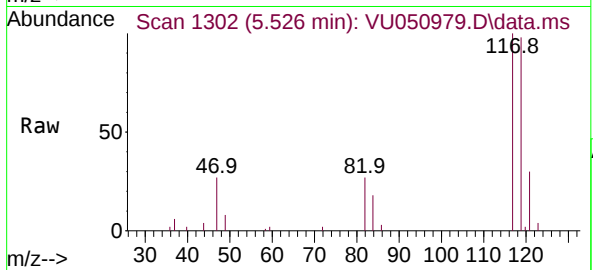




#31
Carbon tetrachloride
Concen: 4.608 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

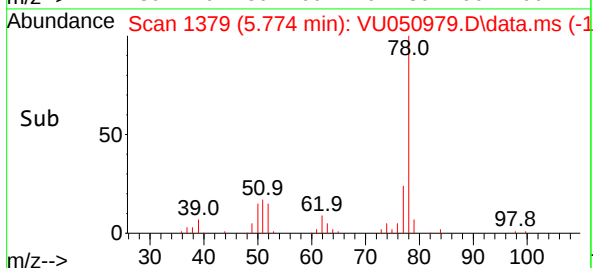
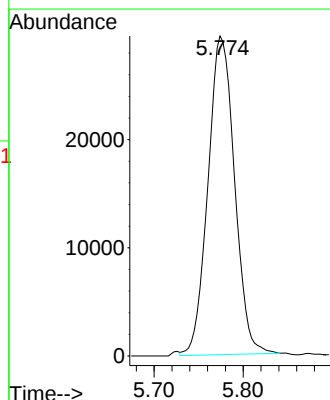
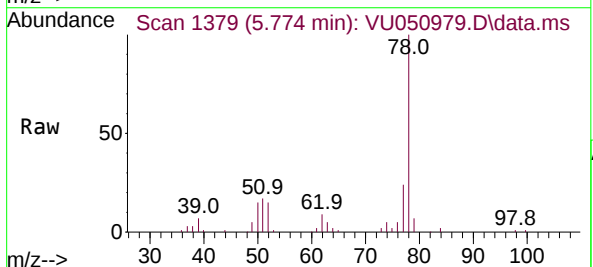
Instrument :
MSVOA_U
ClientSampleId :

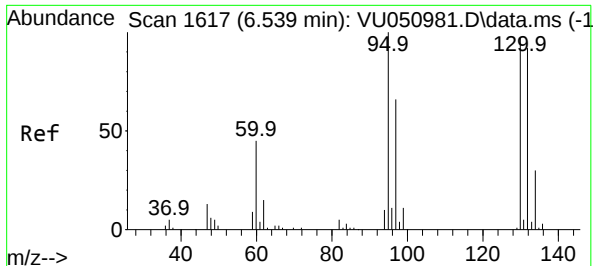
Tgt Ion:117 Resp: 20417
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5



#33
Benzene
Concen: 4.178 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 78 Resp: 61092





#34

Trichloroethene

Concen: 4.805 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

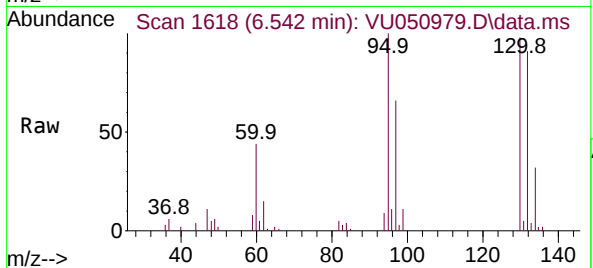
Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 16629

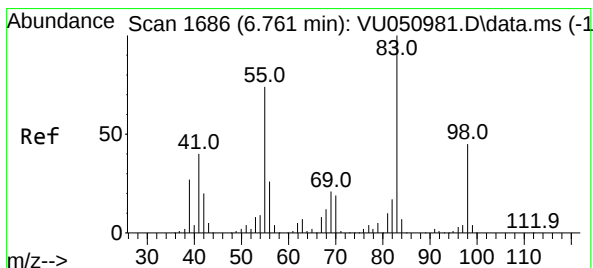
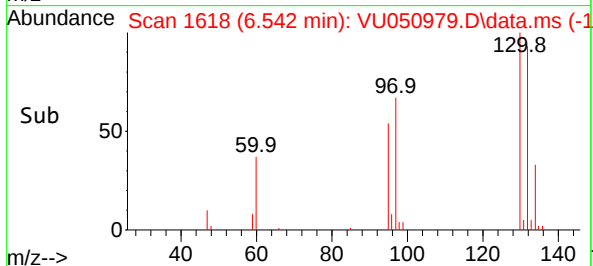
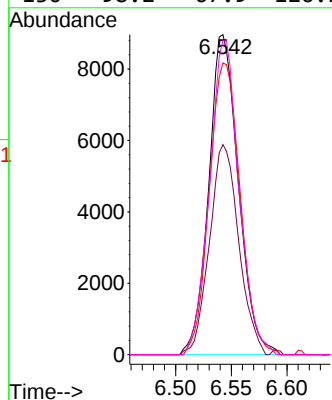
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 91.2 64.0 119.0

130 98.2 67.9 126.1



#35

Methylcyclohexane

Concen: 3.691 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

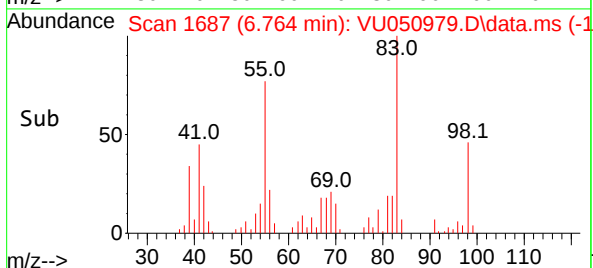
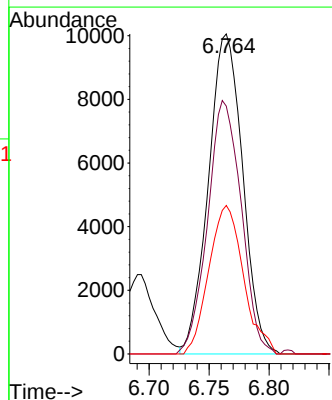
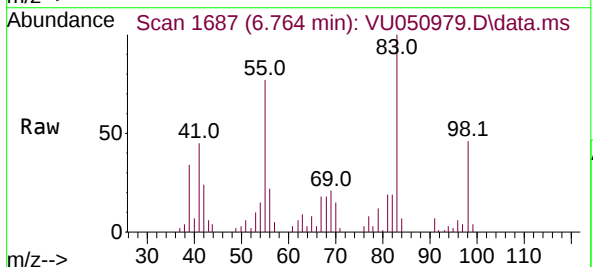
Tgt Ion: 83 Resp: 19960

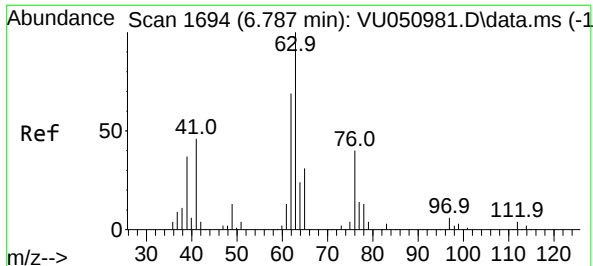
Ion Ratio Lower Upper

83 100

55 77.7 59.3 88.9

98 46.9 36.0 54.0

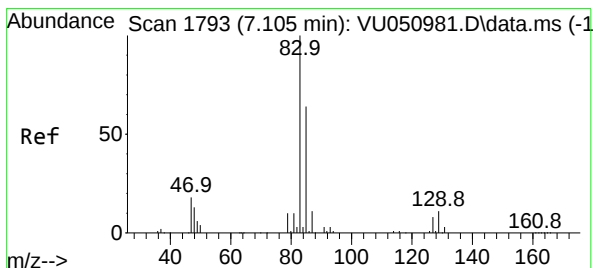
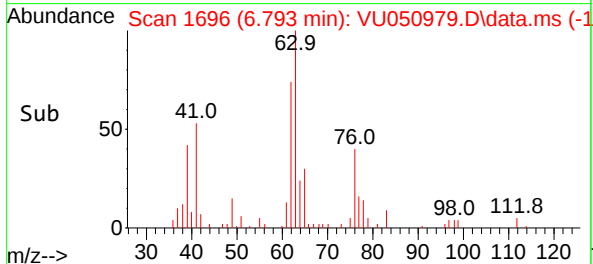
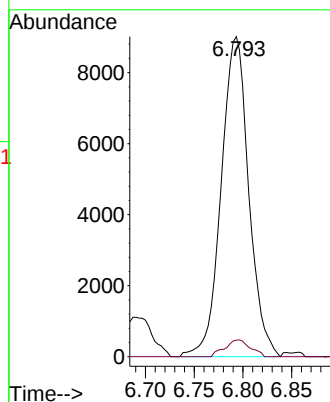
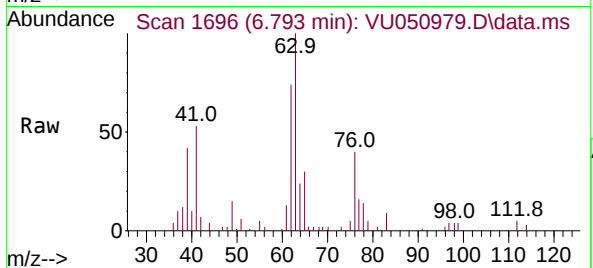




#37
1,2-Dichloropropane
Concen: 4.434 ug/L
RT: 6.793 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

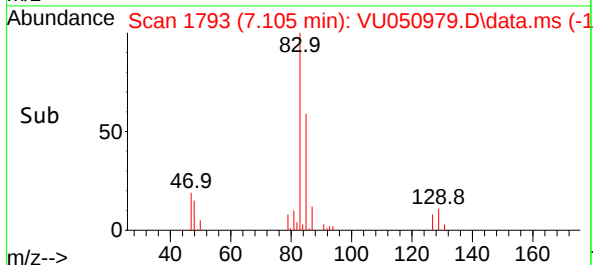
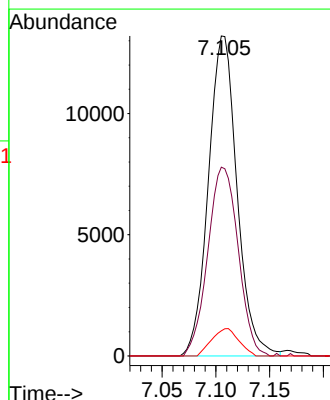
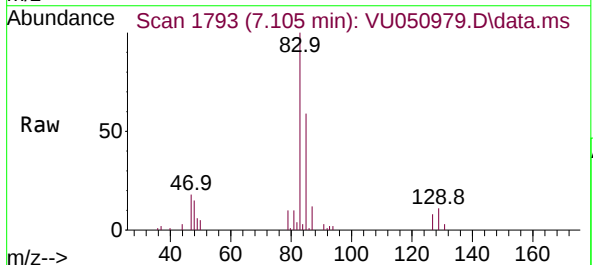
Instrument :
MSVOA_U
ClientSampleId :

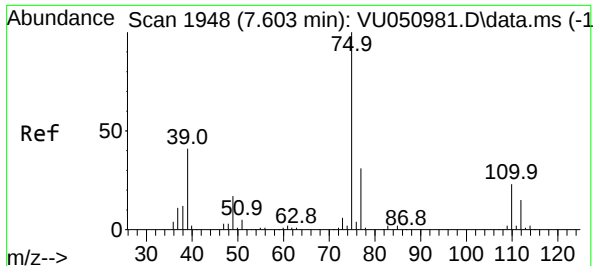
Tgt Ion: 63 Resp: 17729
Ion Ratio Lower Upper
63 100
112 4.8 3.3 4.9



#38
Bromodichloromethane
Concen: 5.049 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 83 Resp: 24482
Ion Ratio Lower Upper
83 100
85 59.0 45.1 83.7
127 7.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.238 ug/L

RT: 7.610 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

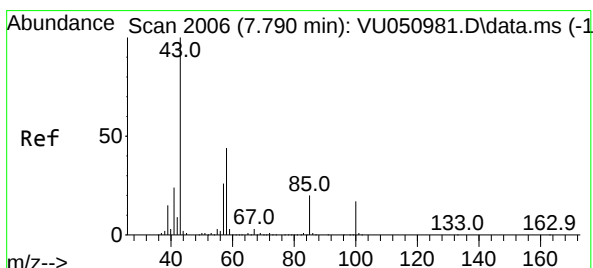
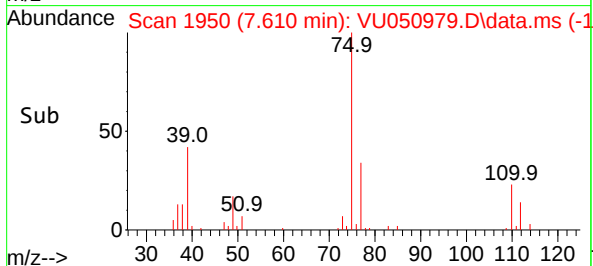
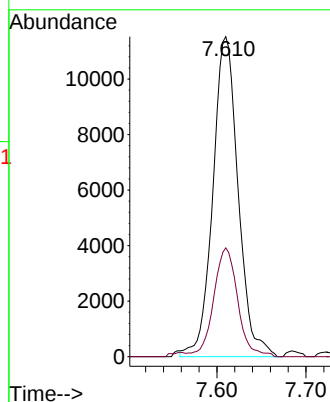
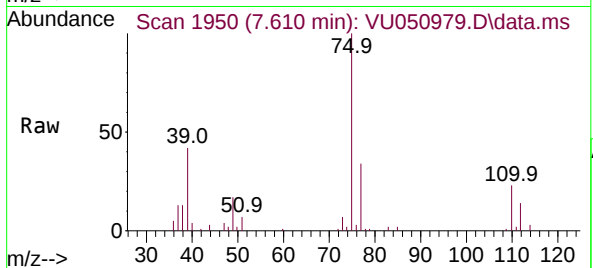
ClientSampleId :

Tgt Ion: 75 Resp: 22777

Ion Ratio Lower Upper

75 100

77 34.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 8.516 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

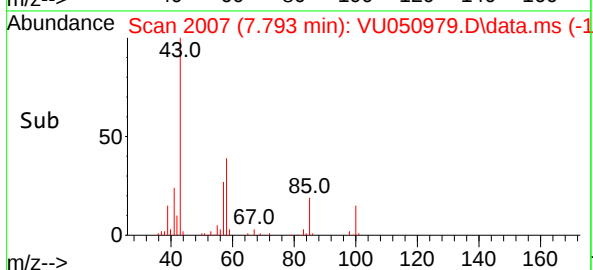
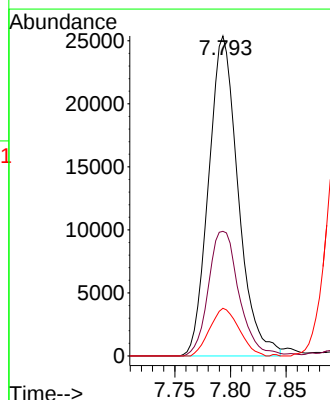
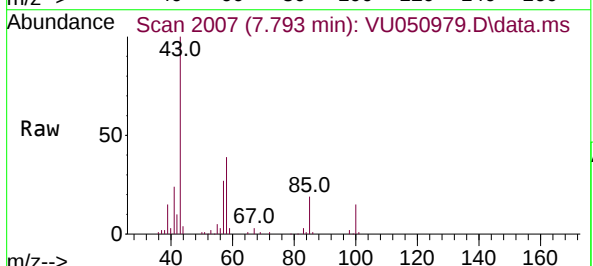
Tgt Ion: 43 Resp: 46830

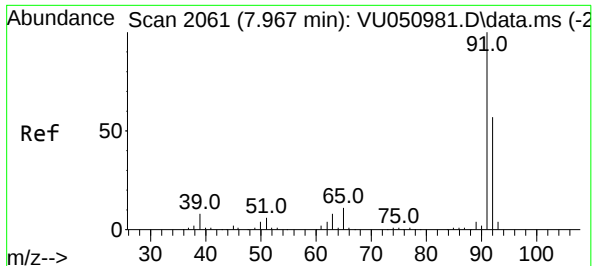
Ion Ratio Lower Upper

43 100

58 40.3 35.0 52.4

100 14.8 13.3 19.9

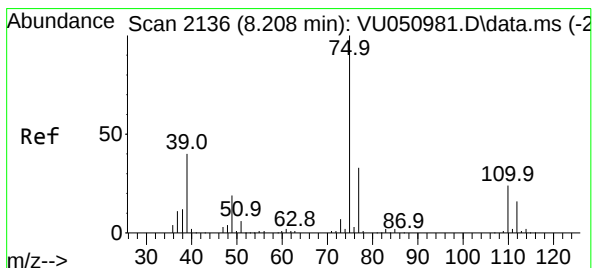
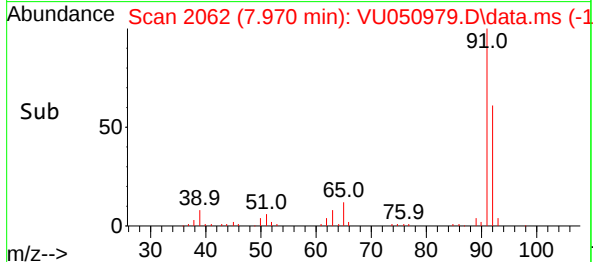
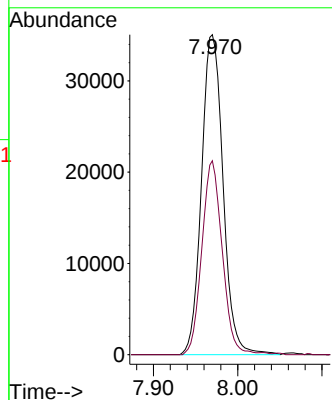
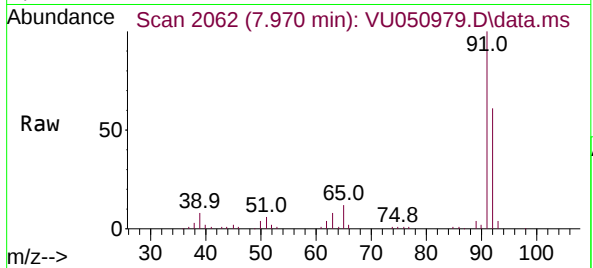




#42
Toluene
Concen: 4.272 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

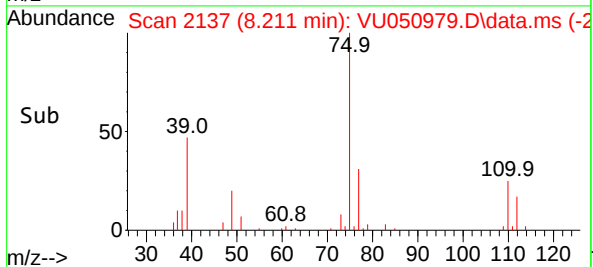
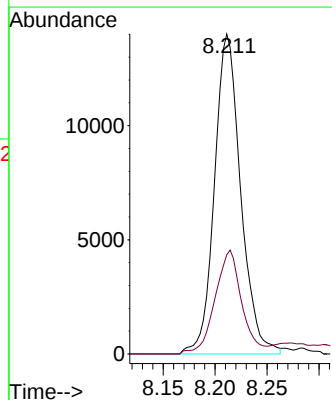
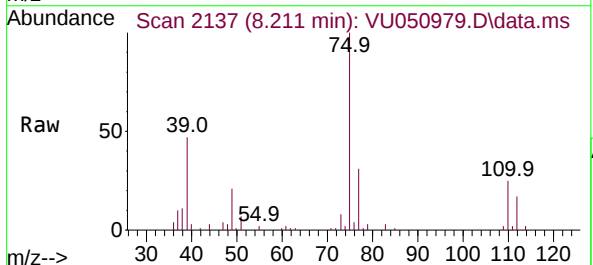
Instrument :
MSVOA_U
ClientSampleId :

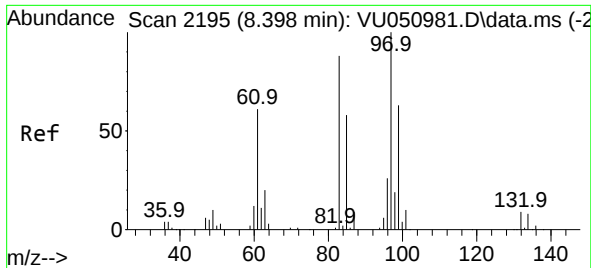
Tgt Ion: 91 Resp: 62475
Ion Ratio Lower Upper
91 100
92 60.6 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 4.782 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 75 Resp: 24605
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.3

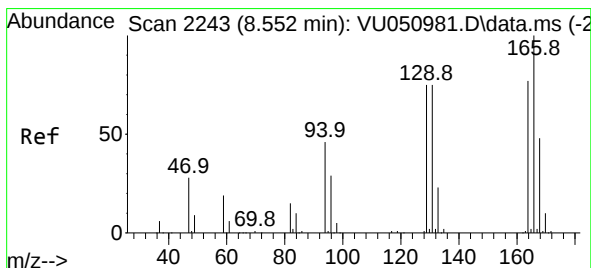
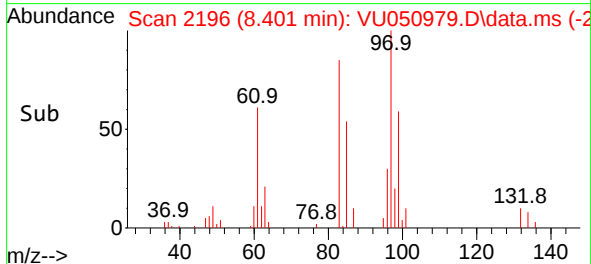
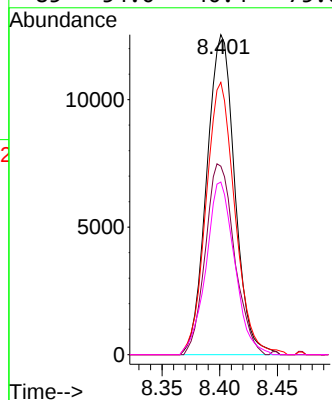
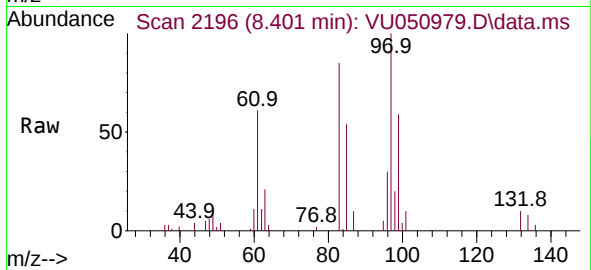




#45
1,1,2-Trichloroethane
Concen: 5.634 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

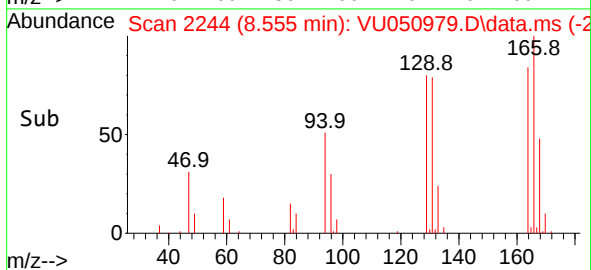
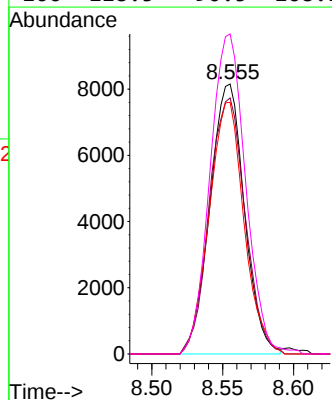
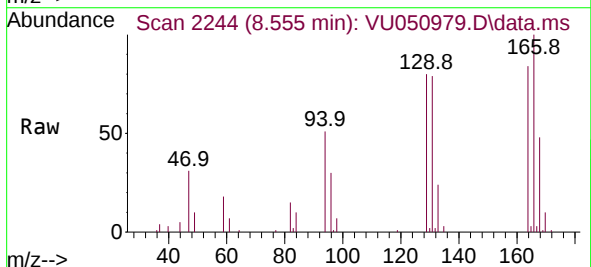
Instrument :
MSVOA_U
ClientSampleId :

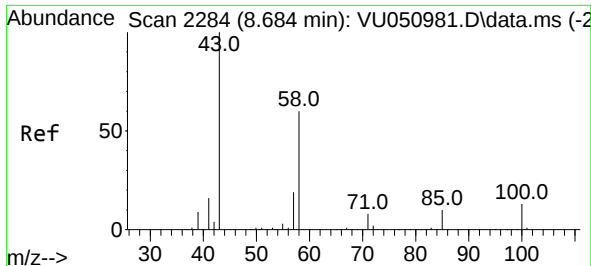
Tgt Ion: 97	Resp: 21241
Ion Ratio	Lower Upper
97 100	
99 58.9	44.4 82.4
83 85.1	61.7 114.5
85 54.0	40.4 75.0



#46
Tetrachloroethene
Concen: 5.510 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

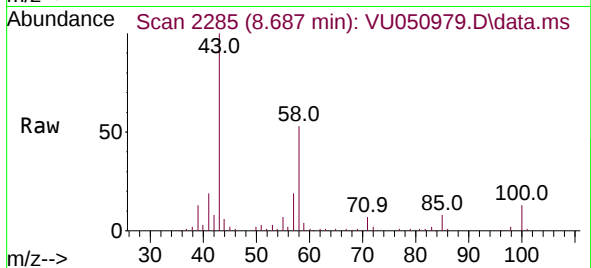
Tgt	Ion:164	Resp:	13777
Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.1	126.5
131	93.2	67.8	126.0
166	118.5	90.5	168.1





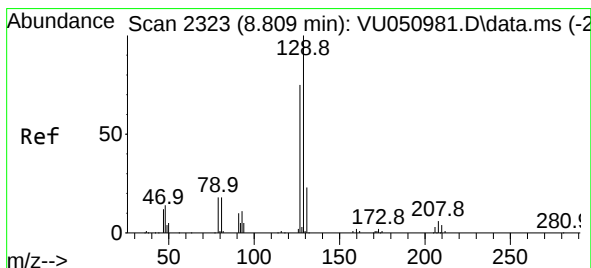
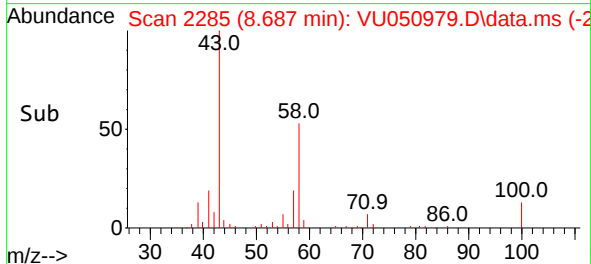
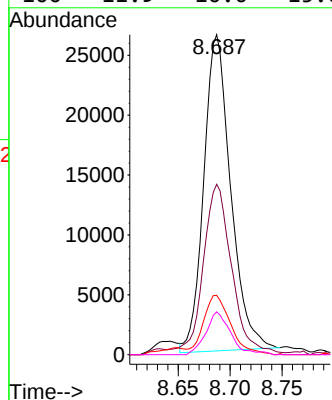
#48
2-Hexanone
Concen: 10.177 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 47583

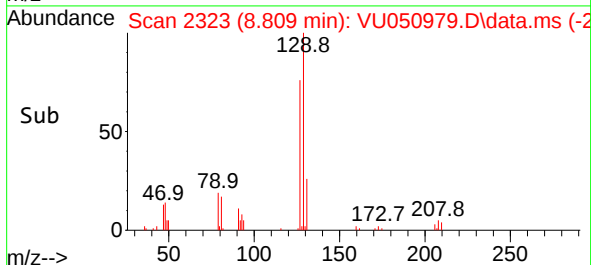
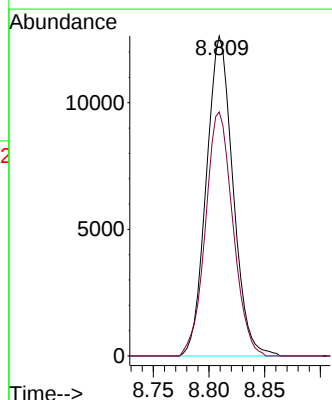
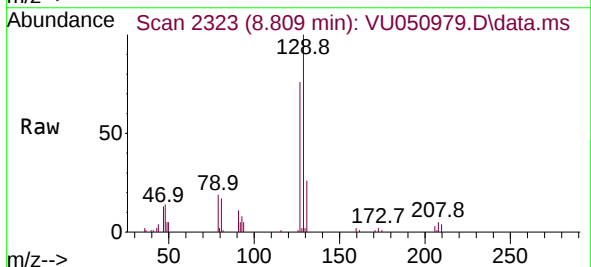
Ion	Ratio	Lower	Upper
43	100		
58	57.4	48.3	72.5
57	19.0	15.9	23.9
100	11.9	10.0	15.0

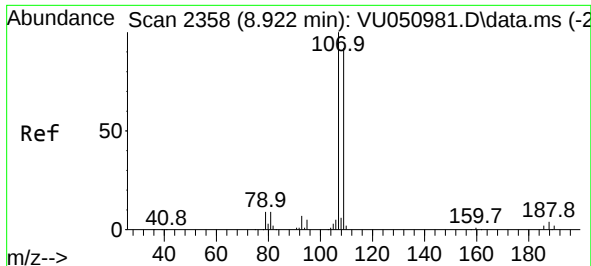


#49
Dibromochloromethane
Concen: 5.631 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 129 Resp: 21049

Ion	Ratio	Lower	Upper
129	100		
127	76.3	52.8	98.0





#50

1,2-Dibromoethane

Concen: 5.724 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

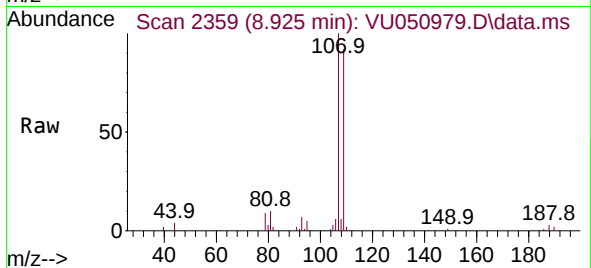
Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :



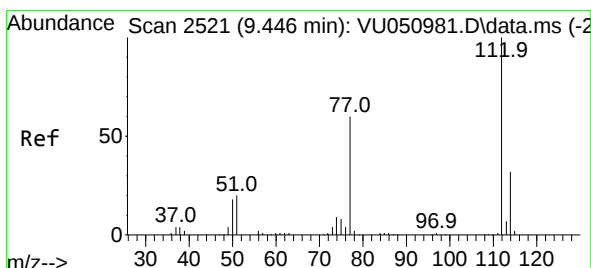
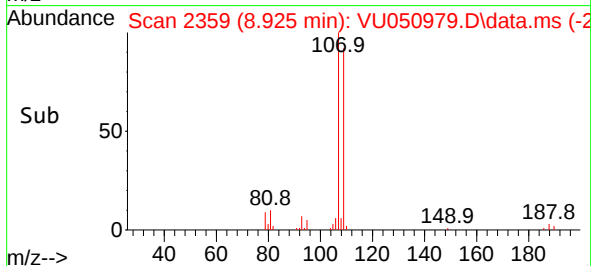
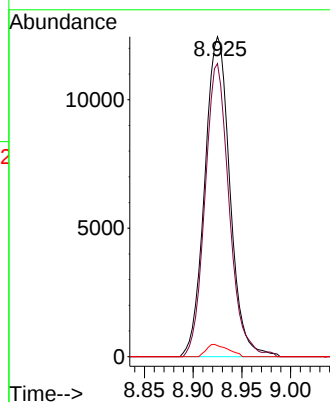
Tgt Ion:107 Resp: 22460

Ion Ratio Lower Upper

107 100

109 91.6 64.1 119.1

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 5.418 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

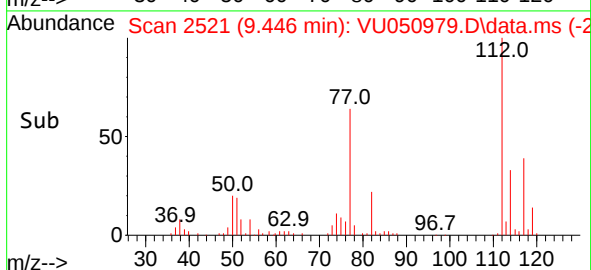
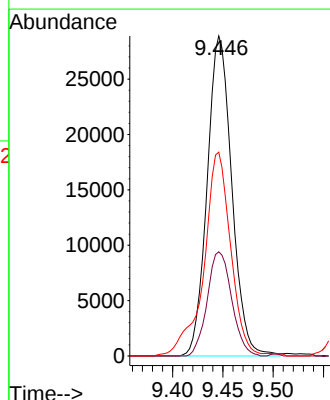
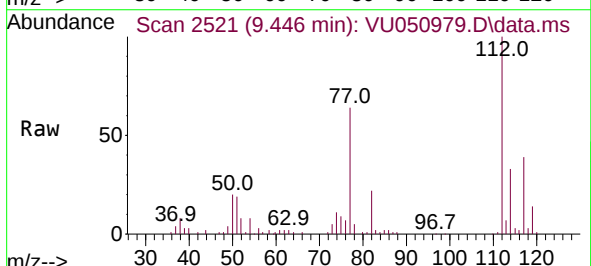
Tgt Ion:112 Resp: 49337

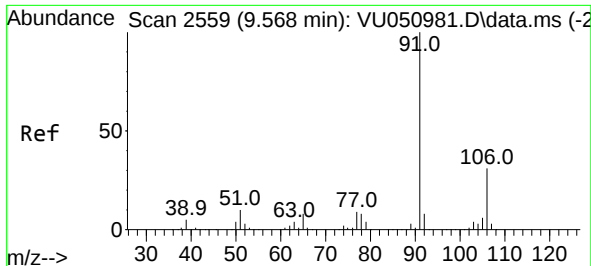
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

77 63.7 48.2 72.2

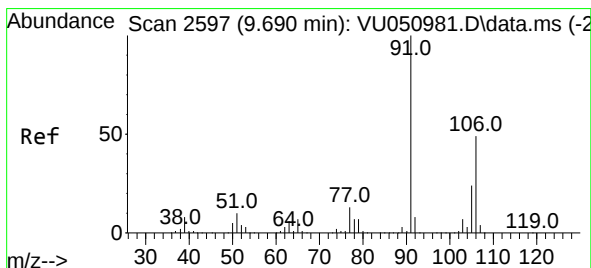
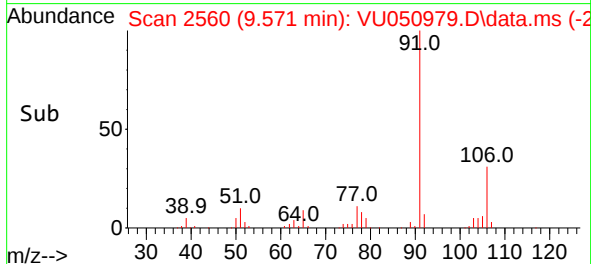
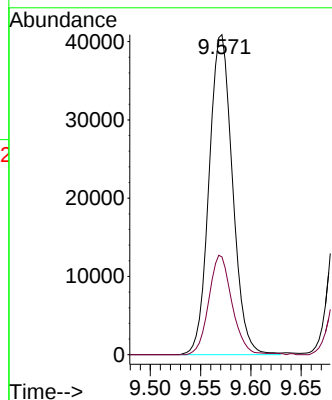
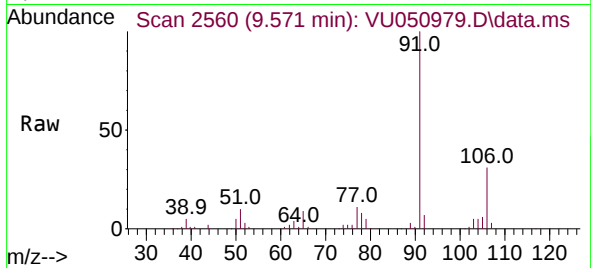




#52
Ethylbenzene
Concen: 4.452 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

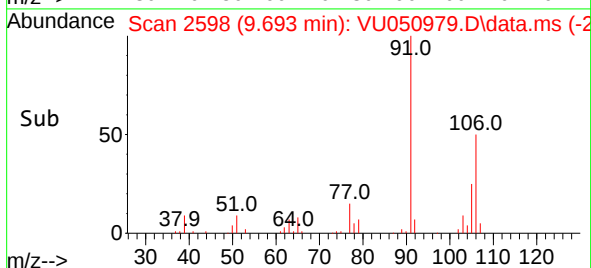
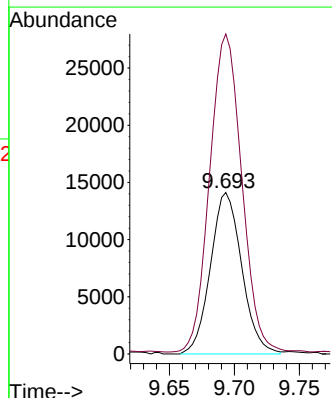
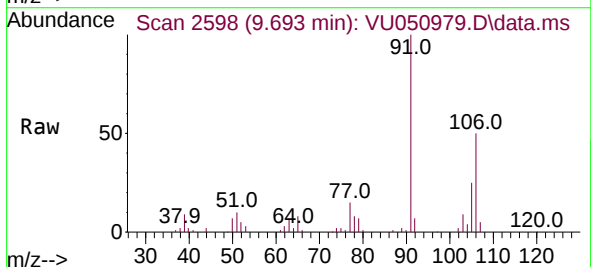
Instrument :
MSVOA_U
ClientSampleId :

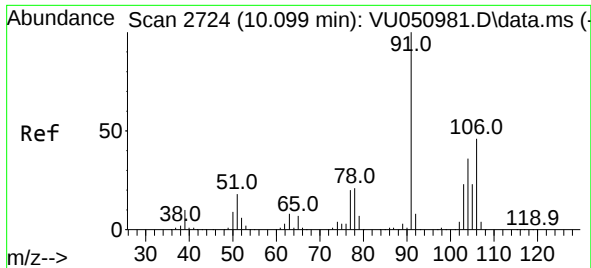
Tgt Ion: 91 Resp: 66293
Ion Ratio Lower Upper
91 100
106 30.5 21.7 40.3



#53
m,p-Xylene
Concen: 4.305 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 106 Resp: 23659
Ion Ratio Lower Upper
106 100
91 198.3 141.9 263.5

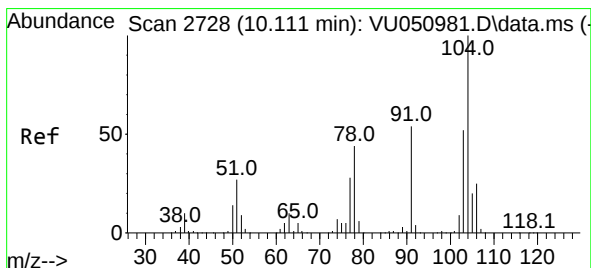
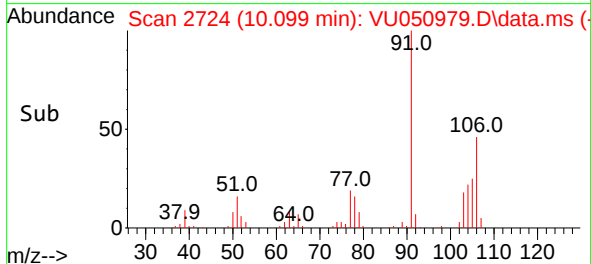
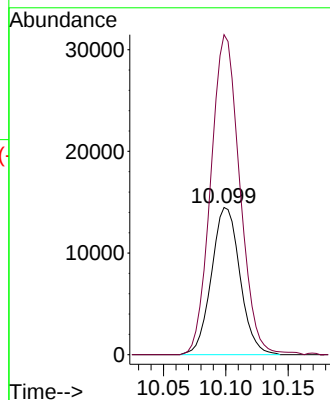
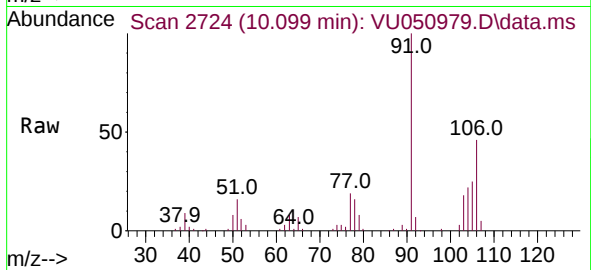




#54
o-Xylene
Concen: 4.198 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

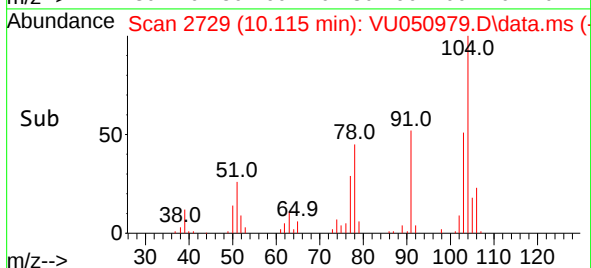
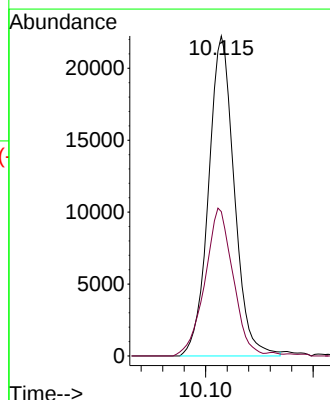
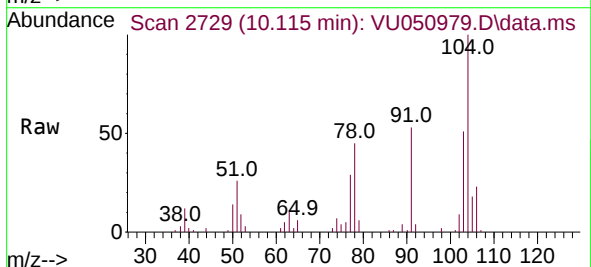
Instrument :
MSVOA_U
ClientSampleId :

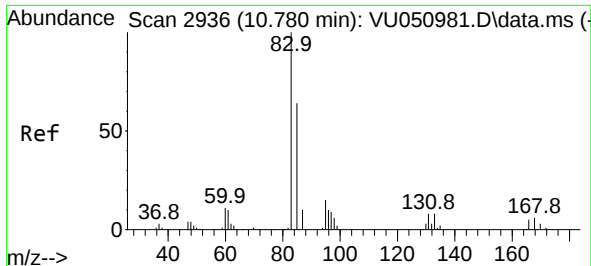
Tgt Ion:106 Resp: 23070
Ion Ratio Lower Upper
106 100
91 217.4 152.4 283.0



#55
Styrene
Concen: 3.920 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion:104 Resp: 37007
Ion Ratio Lower Upper
104 100
78 45.1 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.475 ug/L

RT: 10.783 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU050979.D

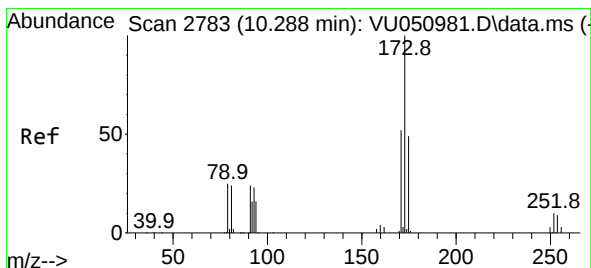
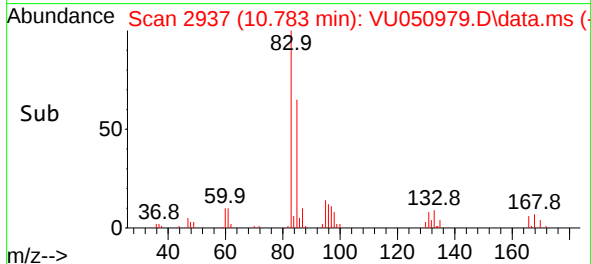
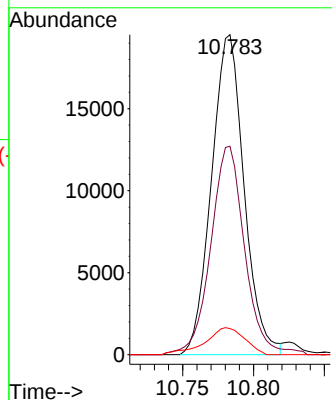
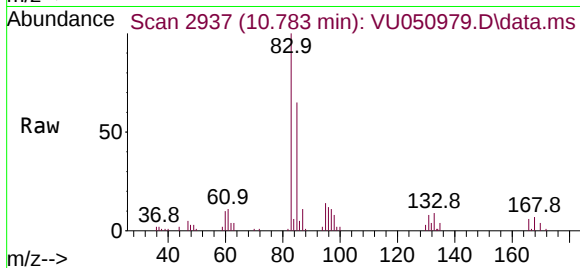
Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	31260
Ion Ratio	Lower	Upper	
83	100		
85	65.2	44.7	83.1
131	8.2	7.0	10.4



#59

Bromoform

Concen: 6.680 ug/L

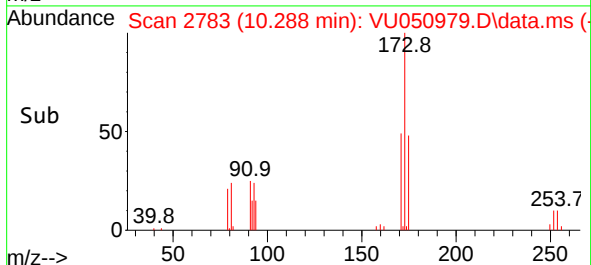
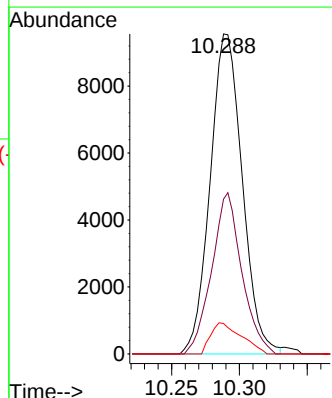
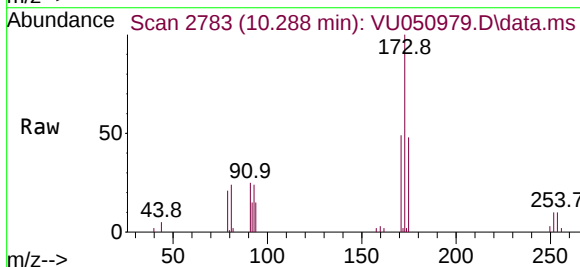
RT: 10.288 min Scan# 2783

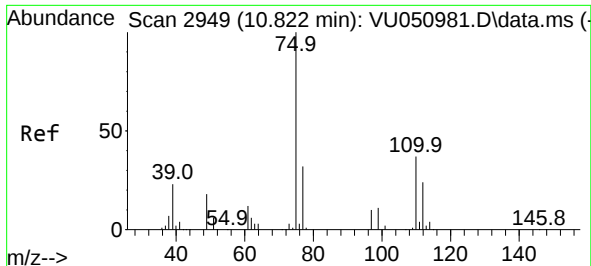
Delta R.T. 0.000 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Tgt Ion:	173	Resp:	15739
Ion Ratio	Lower	Upper	
173	100		
175	47.3	39.4	59.0
254	9.3	7.4	11.0

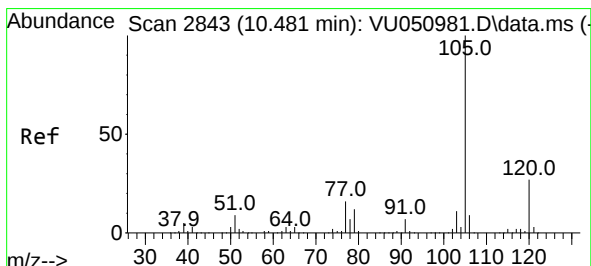
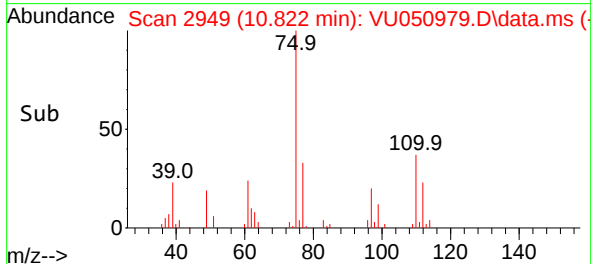
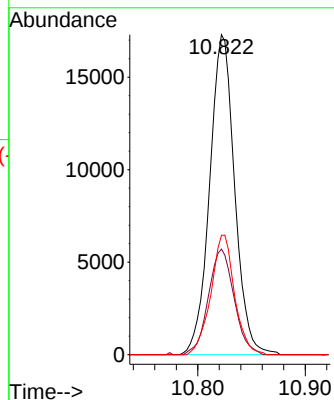
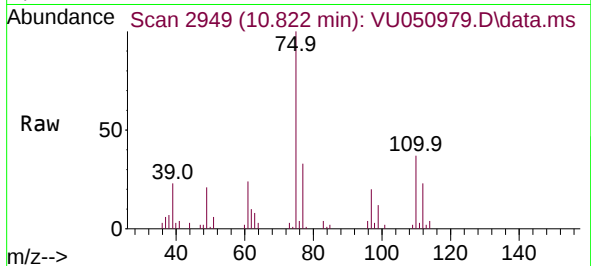




#60
1,2,3-Trichloropropane
Concen: 6.143 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

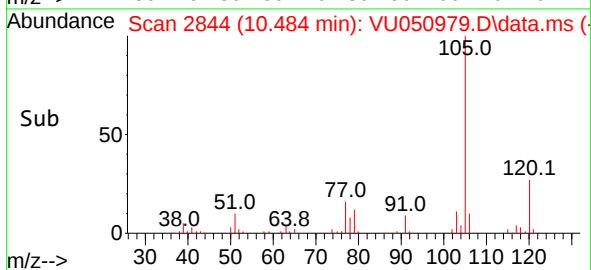
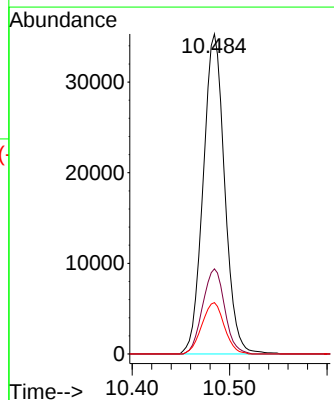
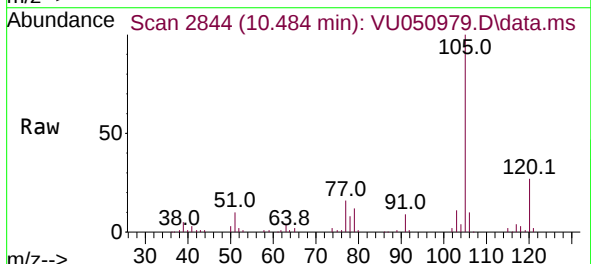
Instrument :
MSVOA_U
ClientSampleId :

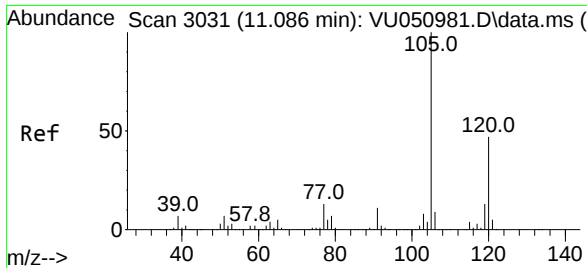
Tgt Ion: 75 Resp: 27940
Ion Ratio Lower Upper
75 100
77 33.8 26.1 39.1
110 35.5 30.0 45.0



#61
Isopropylbenzene
Concen: 4.707 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion: 105 Resp: 54063
Ion Ratio Lower Upper
105 100
120 27.2 21.1 31.7
77 16.8 12.8 19.2

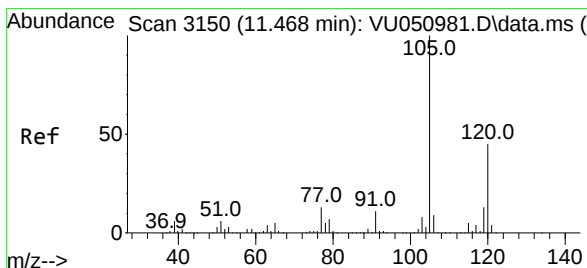
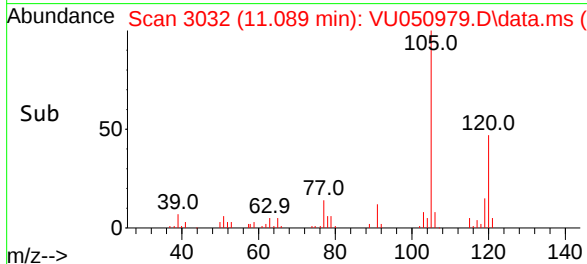
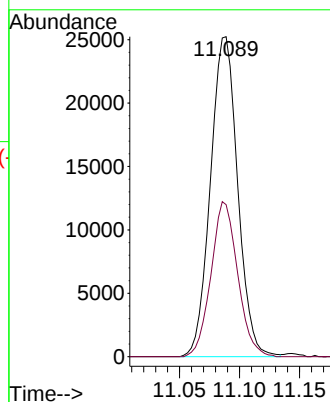
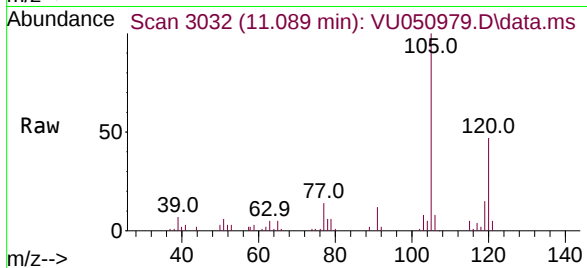




#62
 1,3,5-Trimethylbenzene
 Concen: 4.179 ug/L
 RT: 11.089 min Scan# 3031
 Delta R.T. 0.003 min
 Lab File: VU050979.D
 Acq: 29 Sep 2022 14:54

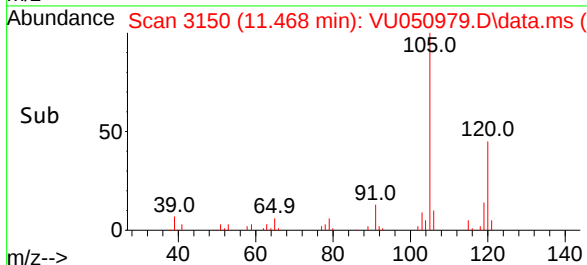
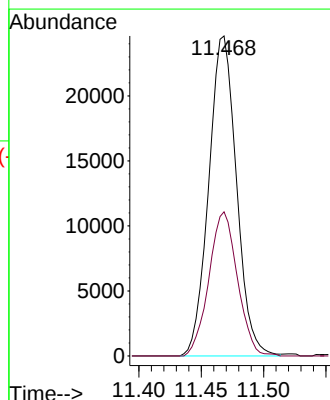
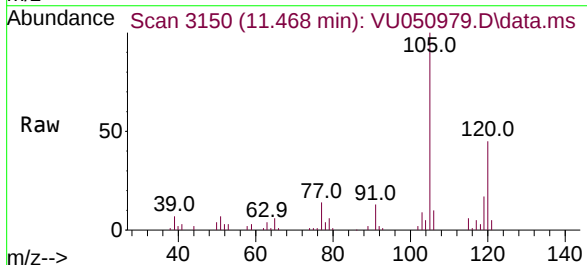
Instrument :
 MSVOA_U
 ClientSampleId :

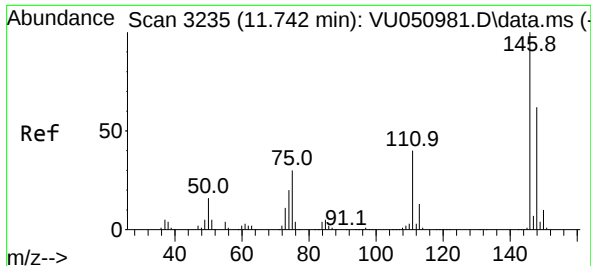
Tgt Ion:105 Resp: 39848
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.088 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050979.D
 Acq: 29 Sep 2022 14:54

Tgt Ion:105 Resp: 38167
 Ion Ratio Lower Upper
 105 100
 120 46.2 35.5 53.3

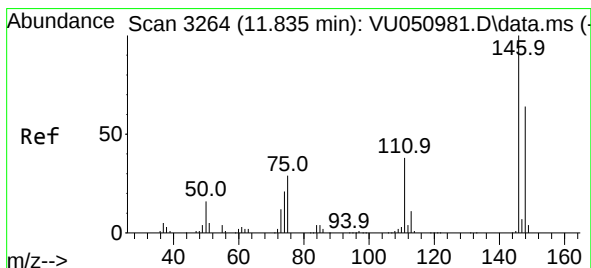
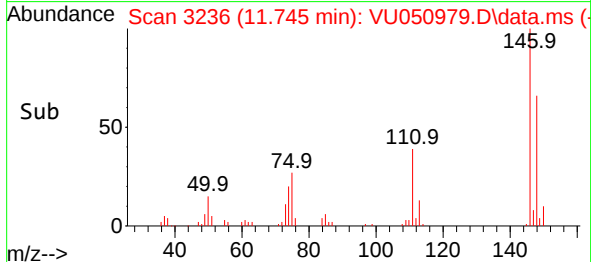
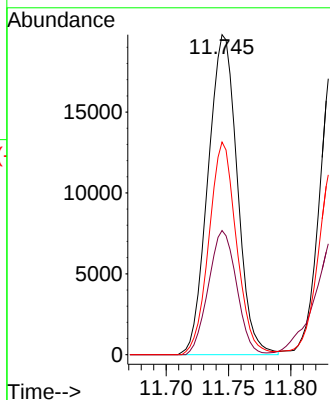
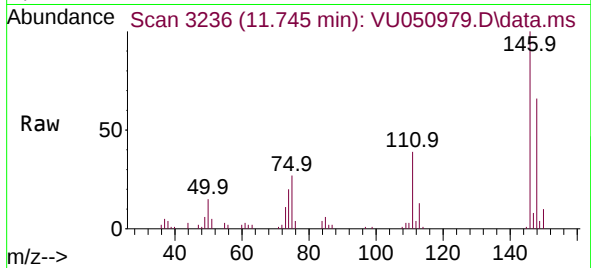




#64
1,3-Dichlorobenzene
Concen: 6.088 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

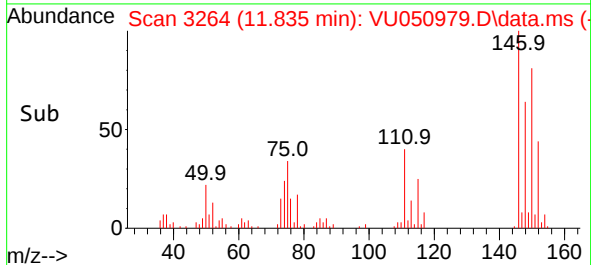
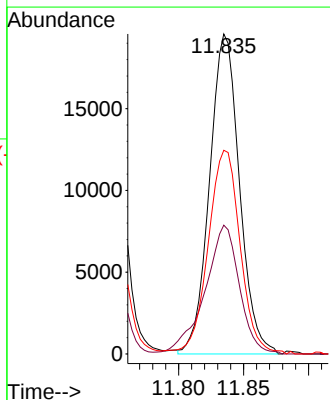
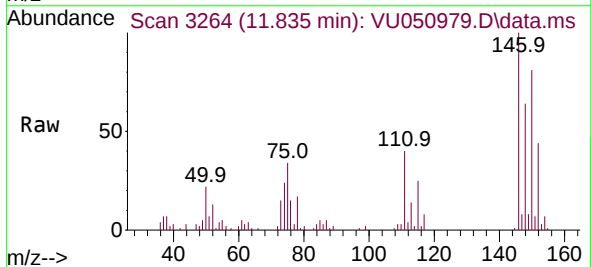
Instrument :
MSVOA_U
ClientSampleId :

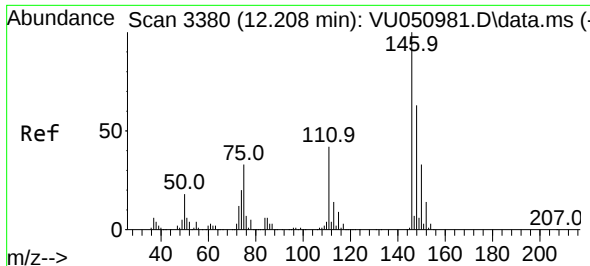
Tgt Ion:146 Resp: 32298
Ion Ratio Lower Upper
146 100
111 38.8 28.2 52.4
148 70.4 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 5.752 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion:146 Resp: 31319
Ion Ratio Lower Upper
146 100
111 40.3 27.0 50.2
148 63.7 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 5.481 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050979.D

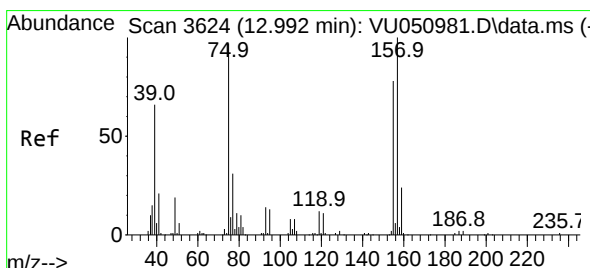
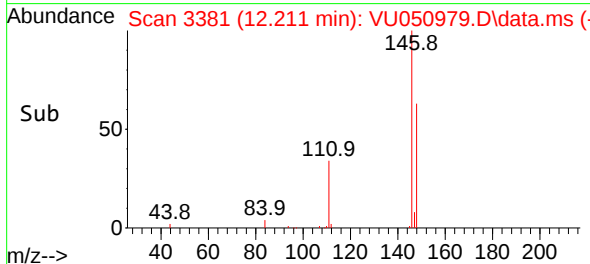
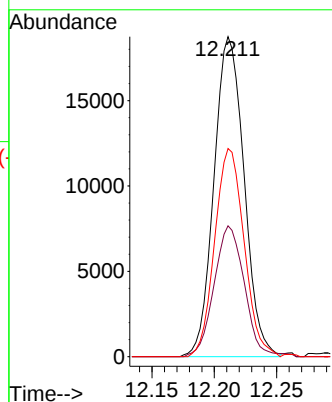
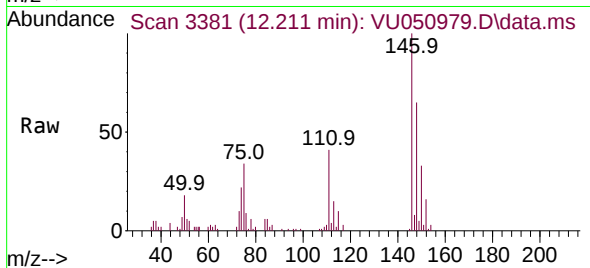
Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	31496
Ion Ratio	Lower	Upper
146	100	
111	40.9	33.7 50.5
148	65.1	50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 6.111 ug/L

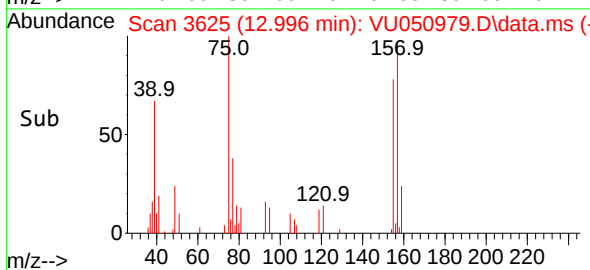
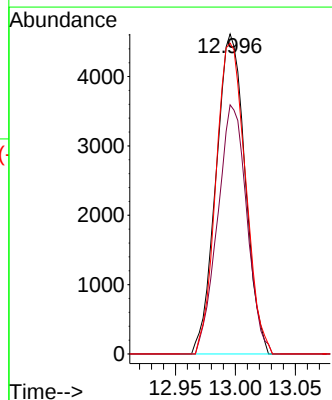
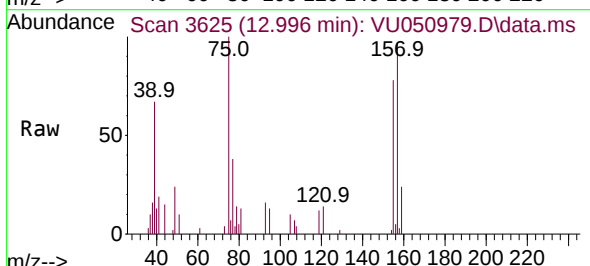
RT: 12.996 min Scan# 3625

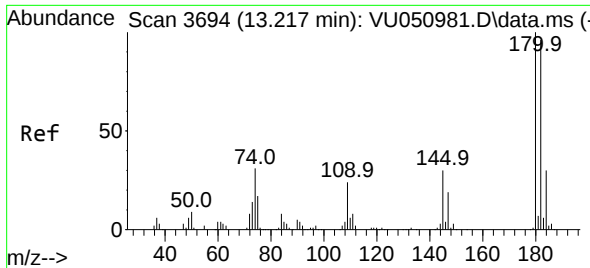
Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

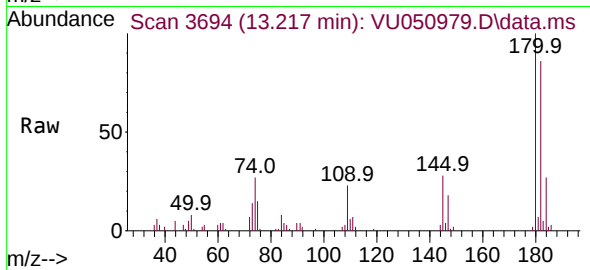
Tgt Ion: 75	Resp:	7756
Ion Ratio	Lower	Upper
75	100	
155	77.9	64.4 96.6
157	100.4	82.2 123.2



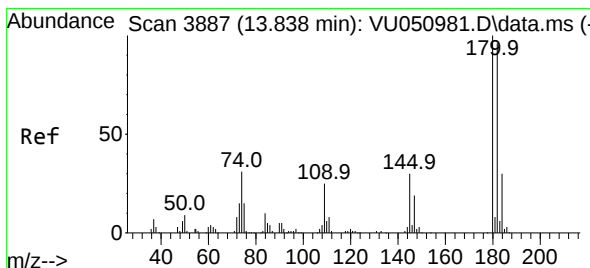
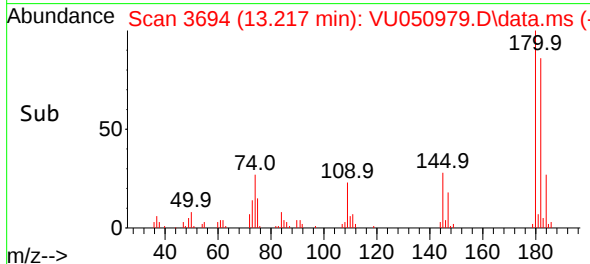
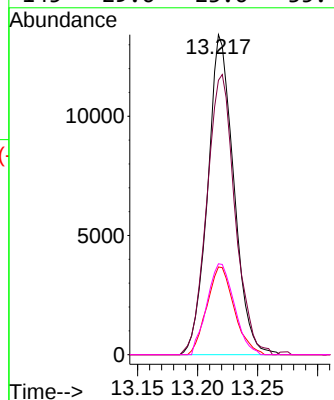


#69
1,3,5-Trichlorobenzene
Concen: 5.385 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Instrument :
MSVOA_U
ClientSampleId :

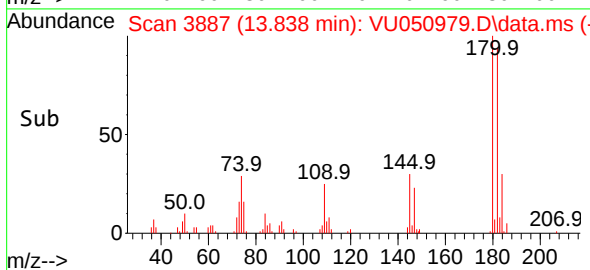
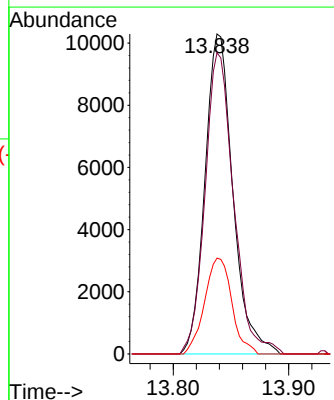
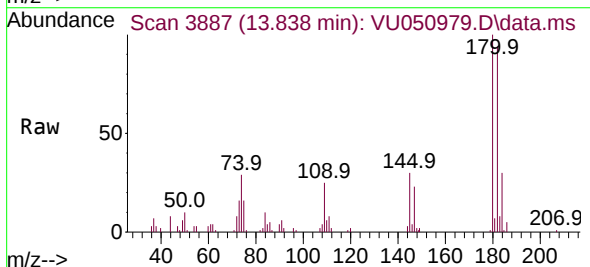


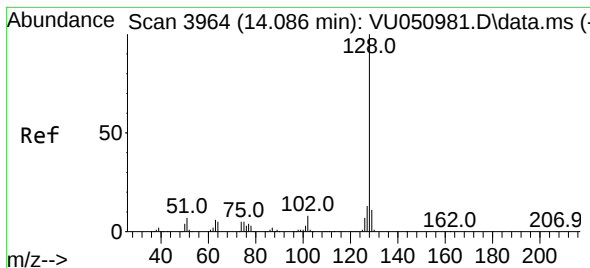
Tgt Ion:180 Resp: 20316
Ion Ratio Lower Upper
180 100
182 94.3 77.0 115.4
184 28.6 24.4 36.6
145 29.6 23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 5.632 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU050979.D
Acq: 29 Sep 2022 14:54

Tgt Ion:180 Resp: 17303
Ion Ratio Lower Upper
180 100
182 94.9 75.9 113.9
145 29.1 24.0 36.0





#71

Naphthalene

Concen: 4.906 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU050979.D

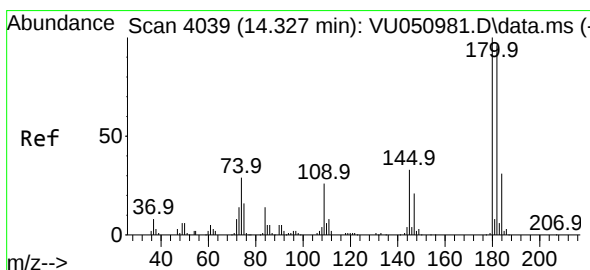
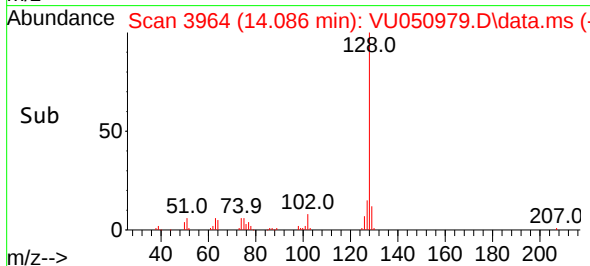
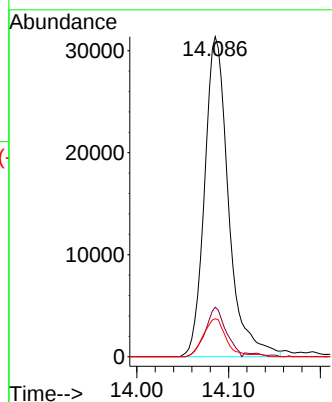
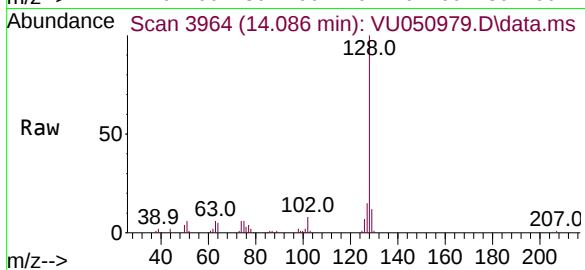
Acq: 29 Sep 2022 14:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	57044
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.7 16.1
129	11.2	8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 5.798 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU050979.D

Acq: 29 Sep 2022 14:54

Tgt Ion:180	Resp:	19970
Ion Ratio	Lower	Upper
180	100	
182	90.7	76.0 114.0
145	29.1	26.1 39.1

