

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051877.D
 Acq On : 16 Nov 2022 12:18
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Nov 17 01:39:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	516576	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	499823	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	198096	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	111679	44.037	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.080%
7) Chloroethane-d5	1.906	69	119240	46.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.860%
11) 1,1-Dichloroethene-d2	2.562	63	141513	31.117	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.240%
21) 2-Butanone-d5	4.617	46	275990	95.705	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.700%
24) Chloroform-d	5.060	84	286507	45.067	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.140%
26) 1,2-Dichloroethane-d4	5.700	65	180968	46.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
32) Benzene-d6	5.726	84	510975	49.031	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
36) 1,2-Dichloropropane-d6	6.687	67	193276	49.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.640%
41) Toluene-d8	7.896	98	392325	45.864	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	8.176	79	69617	45.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.120%
47) 2-Hexanone-d5	8.629	63	186749	94.724	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	340263	45.068	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.140%
66) 1,2-Dichlorobenzene-d4	12.192	152	181243	51.990	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6735	2.124	ug/L	99
3) Chloromethane	1.523	50	12092	2.871	ug/L	98
5) Vinyl chloride	1.604	62	10316	2.361	ug/L #	8
6) Bromomethane	1.842	94	4744	2.507	ug/L	83
8) Chloroethane	1.925	64	5548	1.953	ug/L	97
9) Trichlorofluoromethane	2.134	101	11276	2.156	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8597	2.608	ug/L	88
12) 1,1-Dichloroethene	2.575	96	8079	2.624	ug/L #	1
13) Acetone	2.626	43	12184	3.949	ug/L	95
14) Carbon disulfide	2.790	76	18737	2.197	ug/L	97
15) Methyl Acetate	2.951	43	8711	2.071	ug/L	100
16) Methylene chloride	3.044	84	12128	2.468	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	7144	2.153	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	21434	2.087	ug/L	97
19) 1,1-Dichloroethane	3.867	63	14363	2.127	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	8135	2.101	ug/L	96
22) 2-Butanone	4.713	43	9803	2.813	ug/L	82
23) Bromochloromethane	4.973	128	4292	2.009	ug/L	92
25) Chloroform	5.086	83	17240	2.447	ug/L	97

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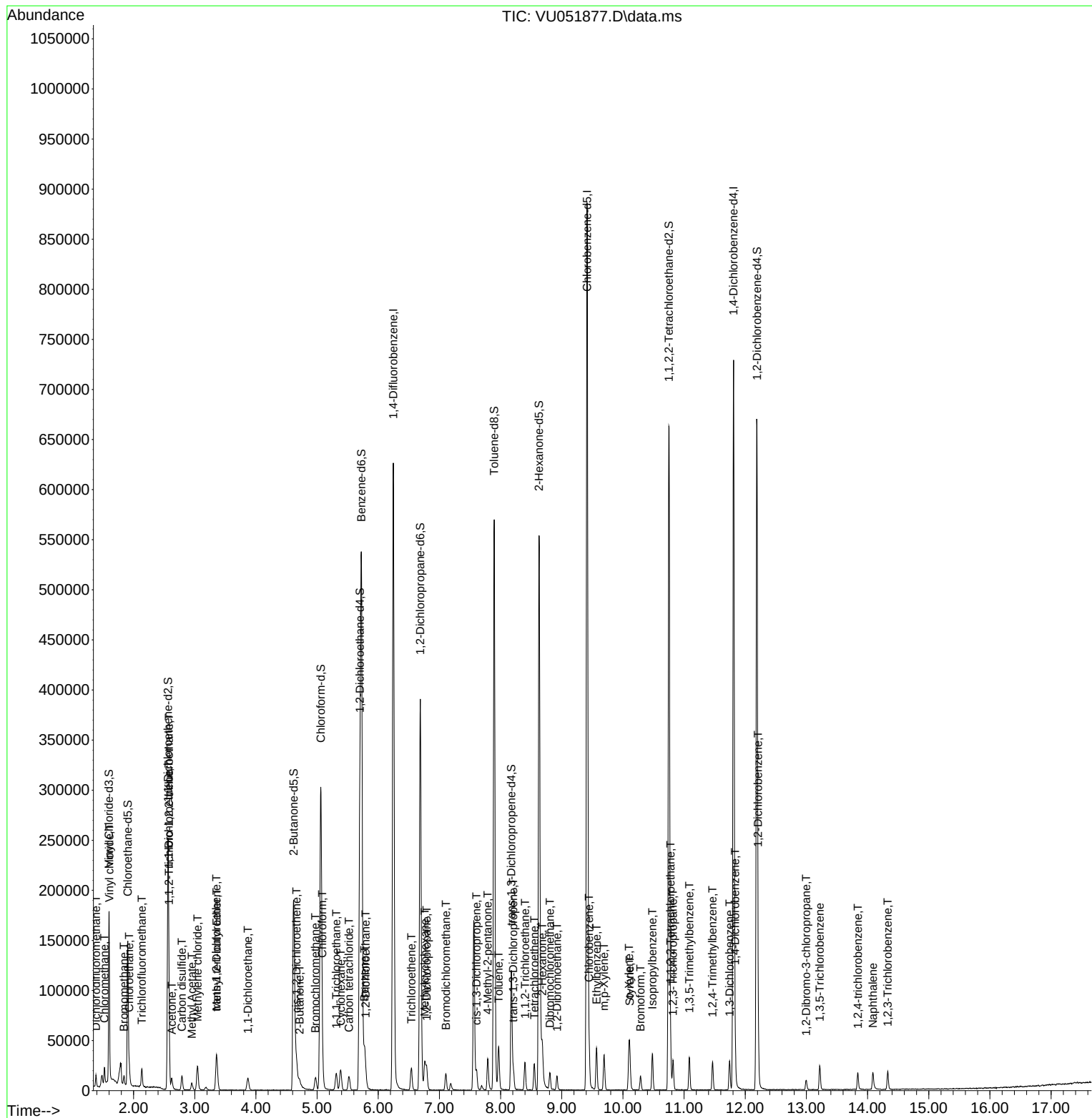
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	11626	2.233	ug/L	99
29) Cyclohexane	5.388	56	8770	2.057	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	11616	2.299	ug/L	98
31) Carbon tetrachloride	5.520	117	10205	2.416	ug/L	99
33) Benzene	5.774	78	33511	2.331	ug/L	100
34) Trichloroethene	6.543	95	7457	2.189	ug/L	93
35) Methylcyclohexane	6.761	83	9597	2.078	ug/L	98
37) 1,2-Dichloropropane	6.790	63	9641	2.368	ug/L #	97
38) Bromodichloromethane	7.108	83	11591	2.276	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	11237	2.110	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	19977	3.726	ug/L	98
42) Toluene	7.970	91	32341	2.187	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	11676	2.288	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	8805	2.128	ug/L	96
46) Tetrachloroethene	8.552	164	6269	2.305	ug/L	94
48) 2-Hexanone	8.681	43	22453	4.876	ug/L	93
49) Dibromochloromethane	8.806	129	8898	2.086	ug/L	98
50) 1,2-Dibromoethane	8.922	107	9727	2.336	ug/L	90
51) Chlorobenzene	9.446	112	21697	2.147	ug/L	97
52) Ethylbenzene	9.571	91	29179	1.928	ug/L	97
53) m,p-Xylene	9.690	106	10759	1.837	ug/L	78
54) o-Xylene	10.099	106	10944	1.836	ug/L	89
55) Styrene	10.115	104	15539	1.510	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	16863	2.157	ug/L #	98
59) Bromoform	10.288	173	6349	2.364	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	12360	2.608	ug/L	98
61) Isopropylbenzene	10.481	105	23030	1.989	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	17651	1.871	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	14868	1.613	ug/L	90
64) 1,3-Dichlorobenzene	11.745	146	12812	2.183	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	12755	2.146	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	16186	2.594	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.996	75	2933	2.417	ug/L	99
69) 1,3,5-Trichlorobenzene	13.218	180	8825	2.267	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	6004	1.946	ug/L	97
71) Naphthalene	14.089	128	16510	1.627	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.330	180	6324	1.872	ug/L	95

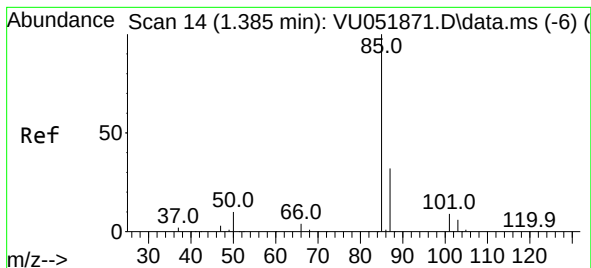
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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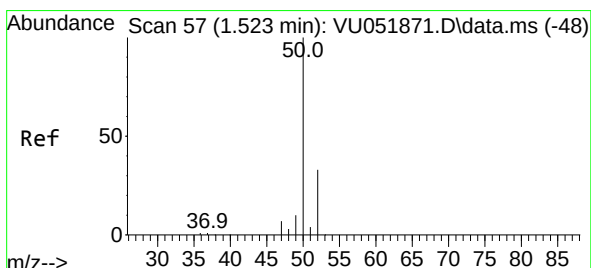
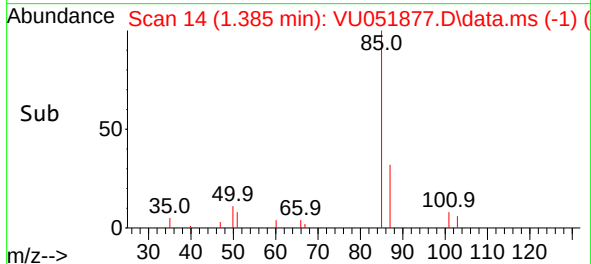
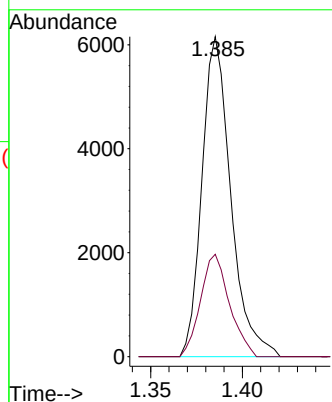
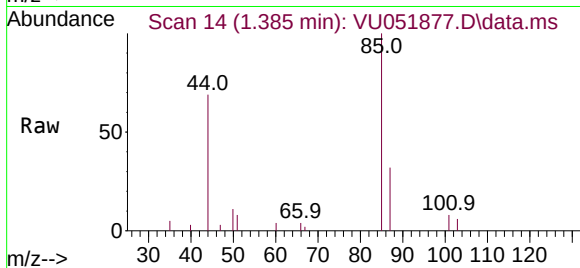




#2
Dichlorodifluoromethane
Concen: 2.124 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

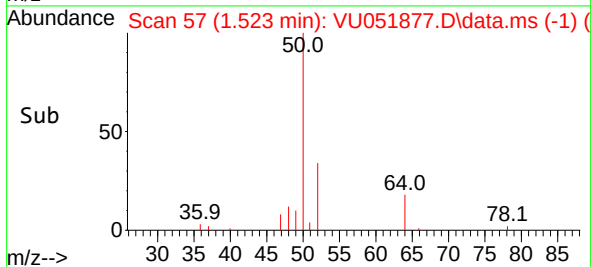
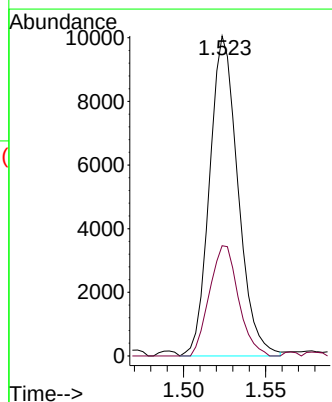
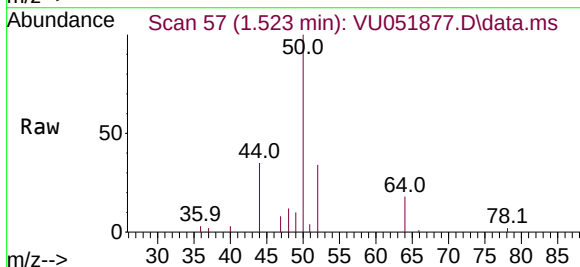
Instrument :
MSVOA_U
ClientSampleId :
MDL03

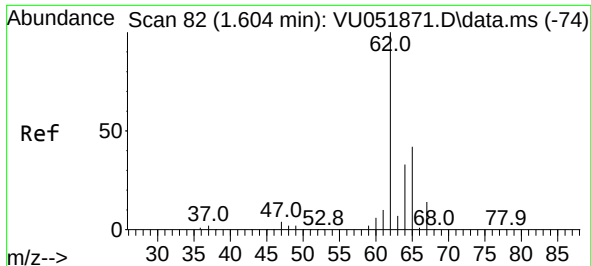
Tgt Ion: 85 Resp: 6735
Ion Ratio Lower Upper
85 100
87 32.1 26.0 39.0



#3
Chloromethane
Concen: 2.871 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 50 Resp: 12092
Ion Ratio Lower Upper
50 100
52 34.4 23.4 43.6

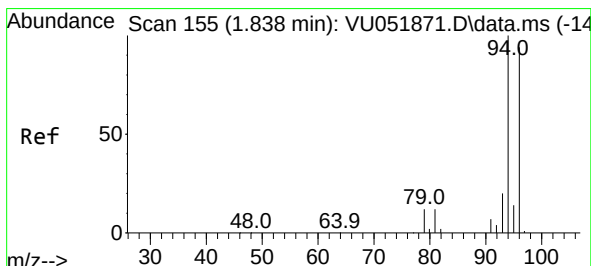
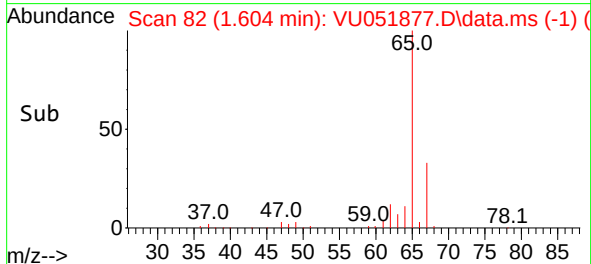
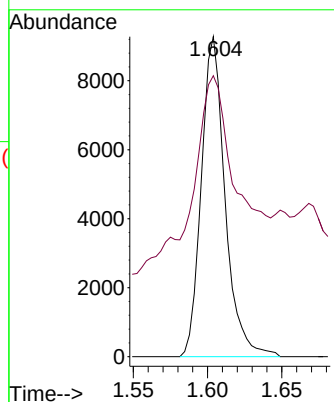
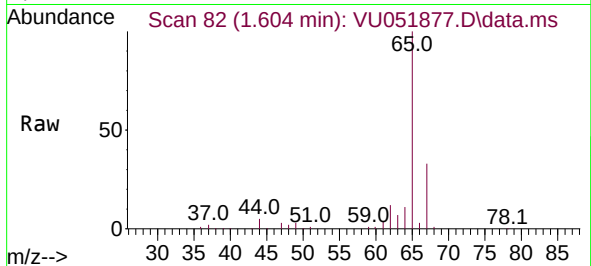




#5
 Vinyl chloride
 Concen: 2.361 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

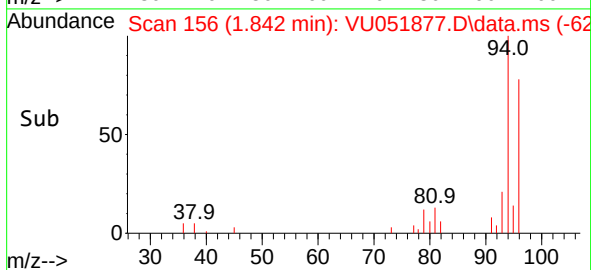
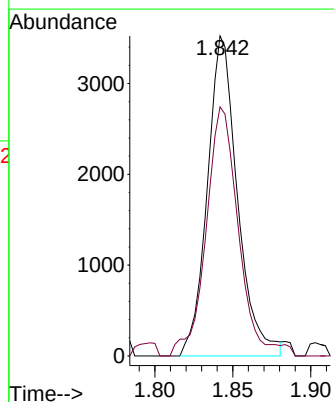
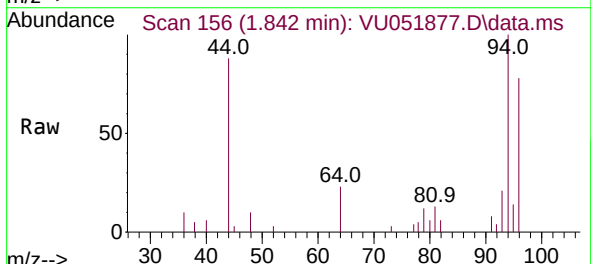
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

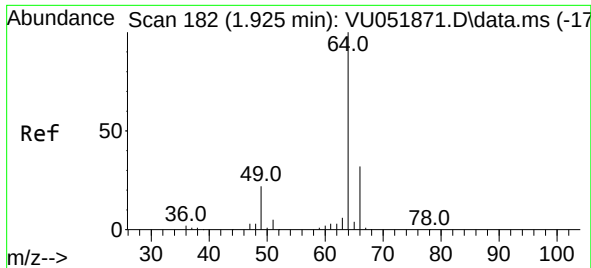
Tgt Ion: 62 Resp: 10316
 Ion Ratio Lower Upper
 62 100
 64 87.8 24.3 45.1#



#6
 Bromomethane
 Concen: 2.507 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.004 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

Tgt Ion: 94 Resp: 4744
 Ion Ratio Lower Upper
 94 100
 96 77.9 66.1 122.7

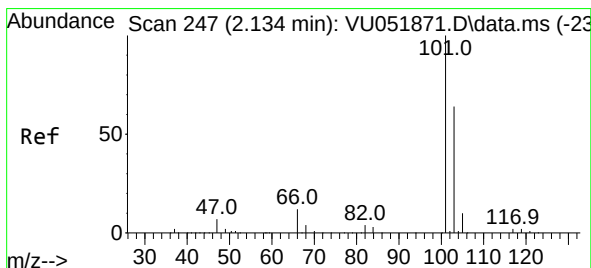
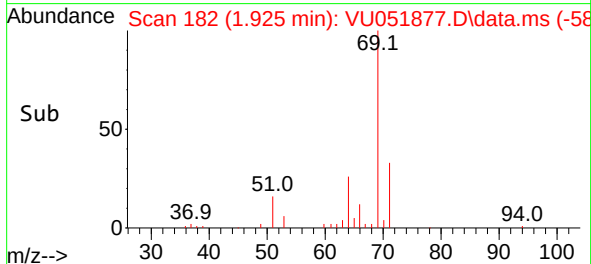
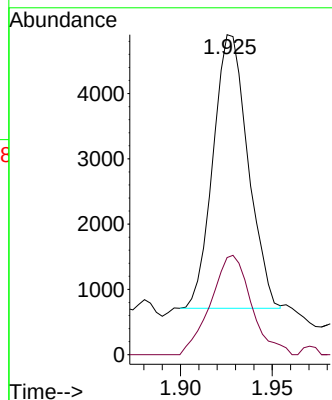
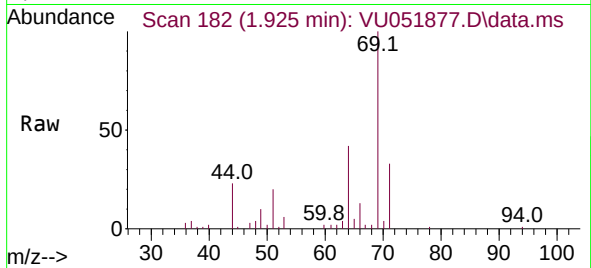




#8
Chloroethane
Concen: 1.953 ug/L
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

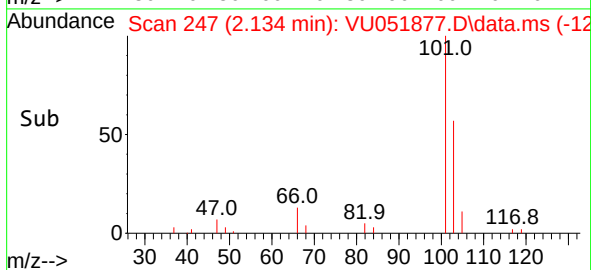
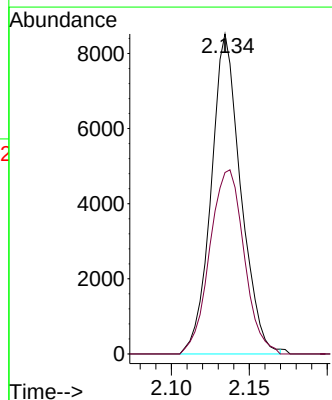
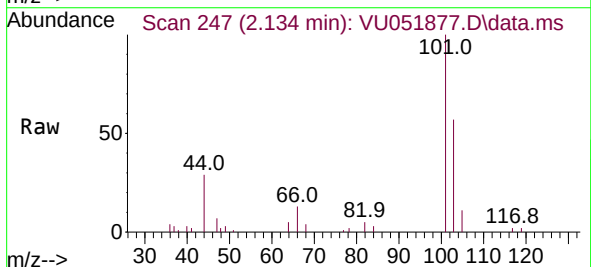
Instrument :
MSVOA_U
ClientSampleId :
MDL03

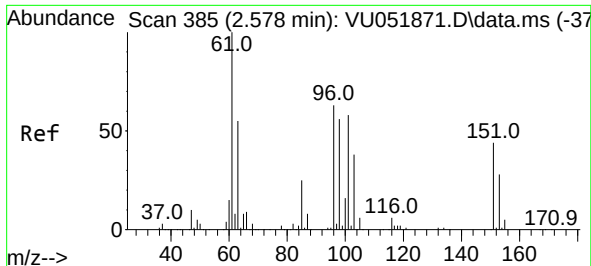
Tgt Ion: 64 Resp: 5548
Ion Ratio Lower Upper
64 100
66 30.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.156 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:101 Resp: 11276
Ion Ratio Lower Upper
101 100
103 66.7 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.608 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL03

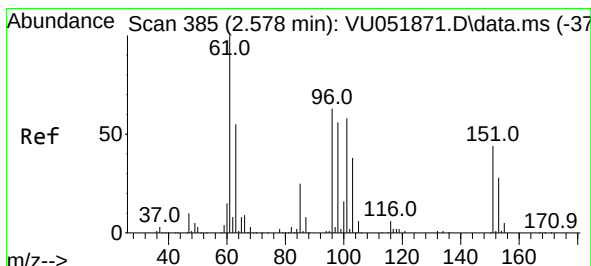
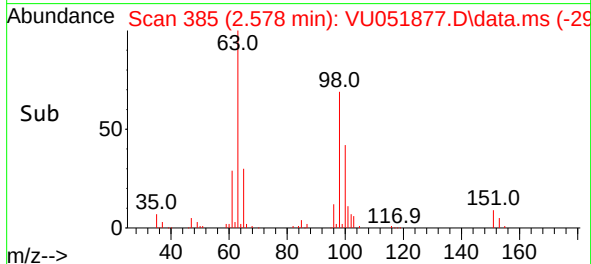
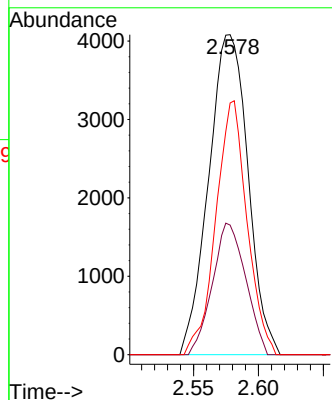
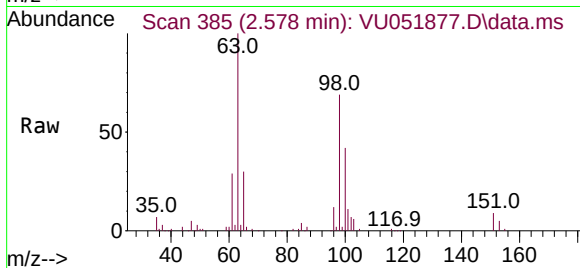
Tgt Ion:101 Resp: 8597

Ion Ratio Lower Upper

101 100

85 34.7 34.2 51.2

151 62.9 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.624 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

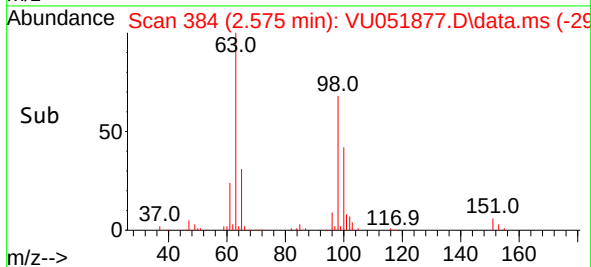
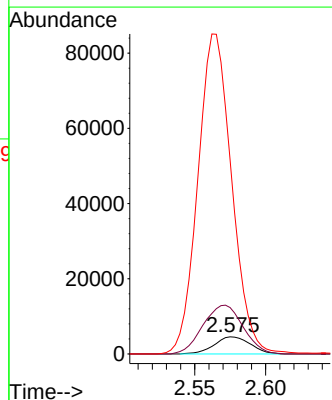
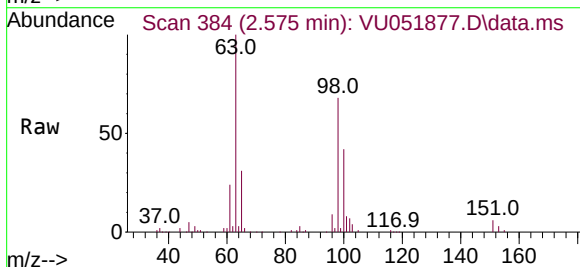
Tgt Ion: 96 Resp: 8079

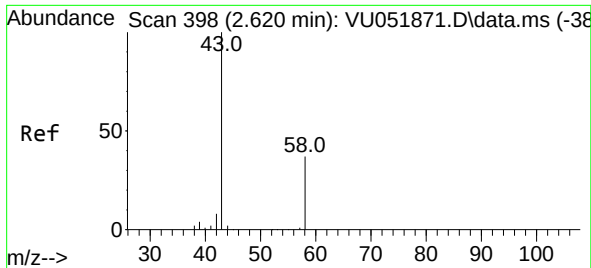
Ion Ratio Lower Upper

96 100

61 271.6 110.7 205.5#

63 1134.4 68.6 127.4#





#13

Acetone

Concen: 3.949 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.007 min

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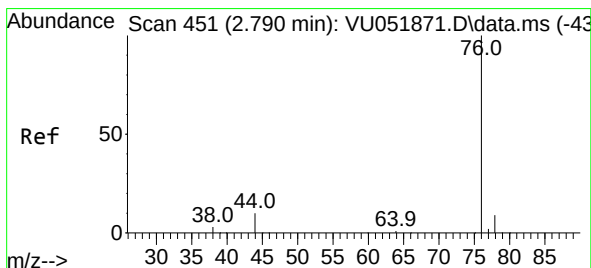
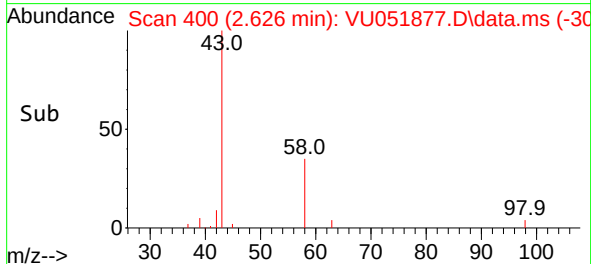
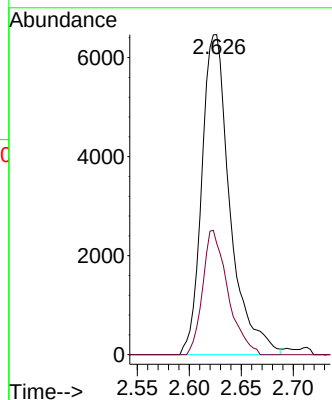
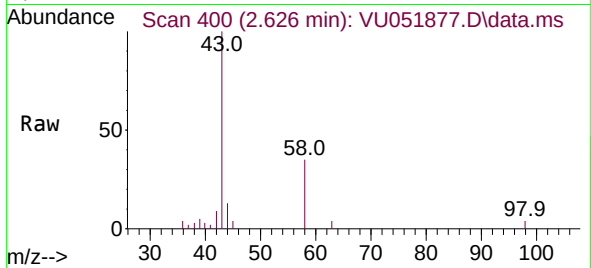
MDL03

Tgt Ion: 43 Resp: 12184

Ion Ratio Lower Upper

43 100

58 34.7 0.0 75.4



#14

Carbon disulfide

Concen: 2.197 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

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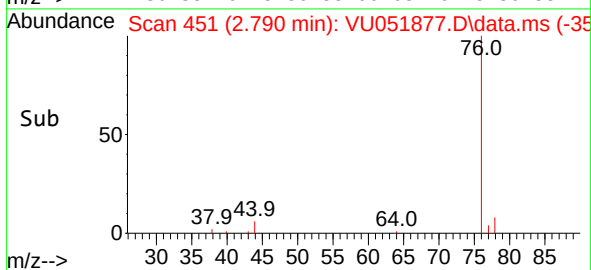
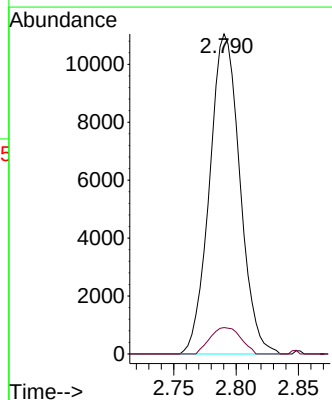
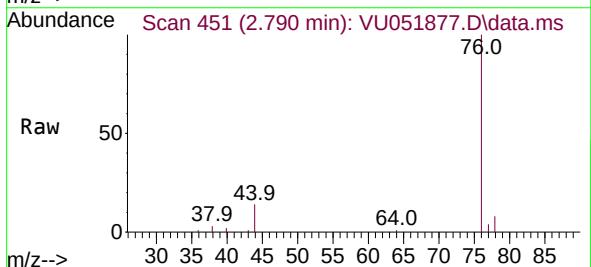
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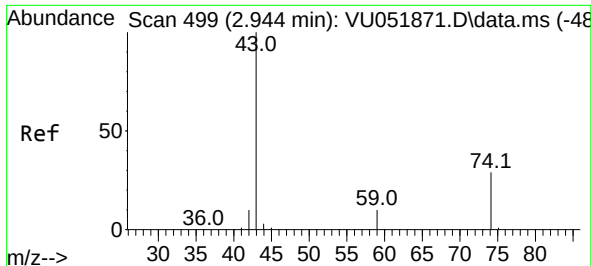
Tgt Ion: 76 Resp: 18737

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.0

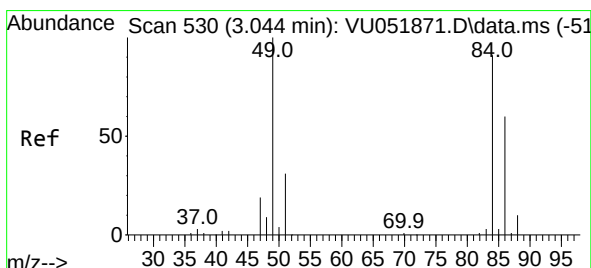
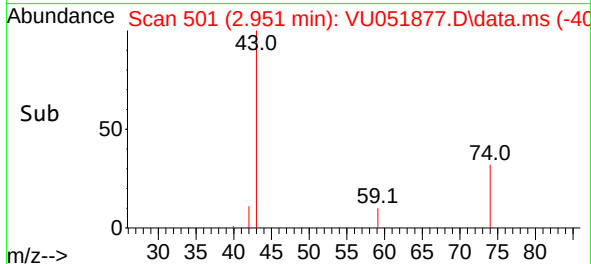
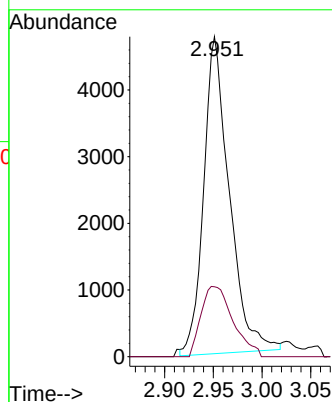
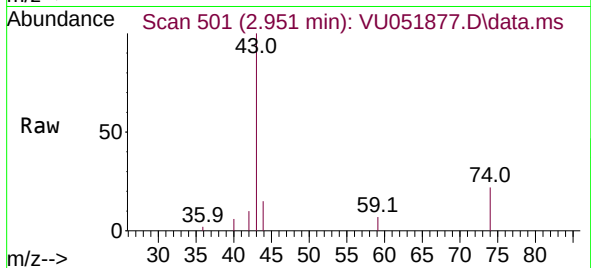




#15
Methyl Acetate
Concen: 2.071 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

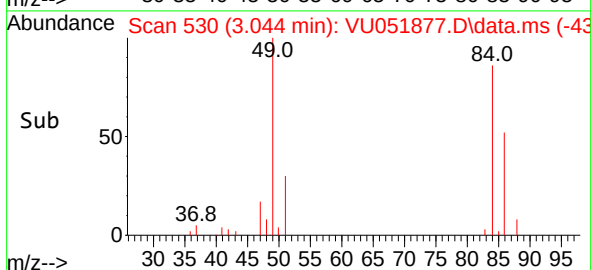
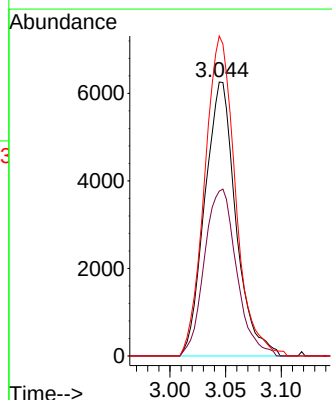
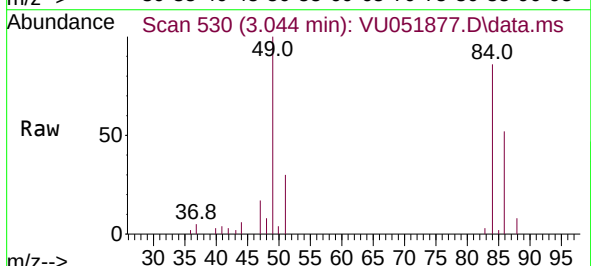
Instrument :
MSVOA_U
ClientSampleId :
MDL03

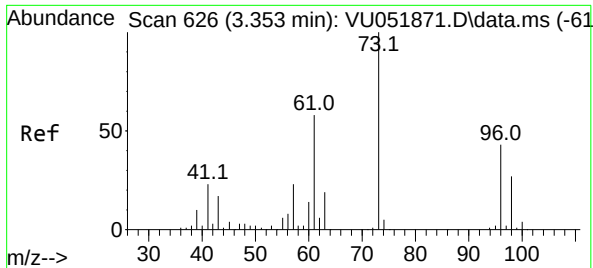
Tgt Ion: 43 Resp: 8711
Ion Ratio Lower Upper
43 100
74 27.5 21.8 32.8



#16
Methylene chloride
Concen: 2.468 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 84 Resp: 12128
Ion Ratio Lower Upper
84 100
86 60.2 44.7 82.9
49 116.8 76.5 142.1

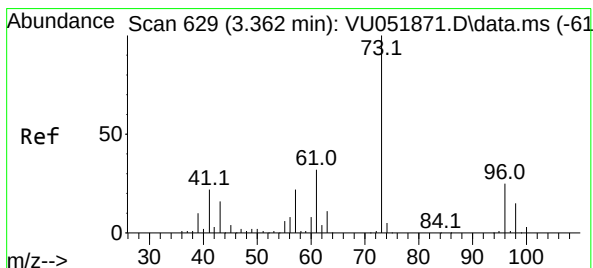
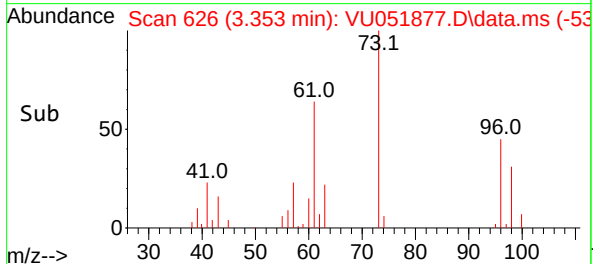
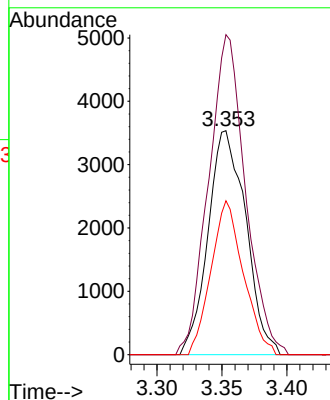
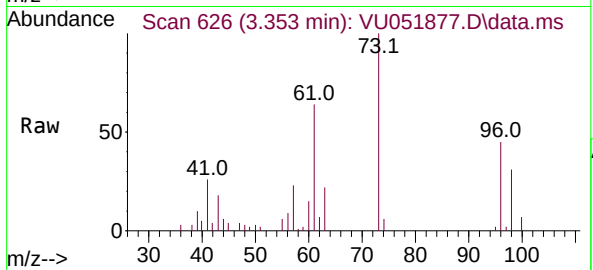




#17
trans-1,2-Dichloroethene
Concen: 2.153 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

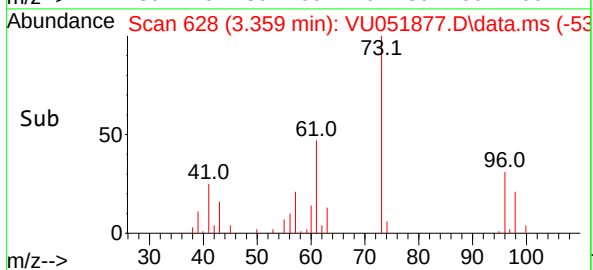
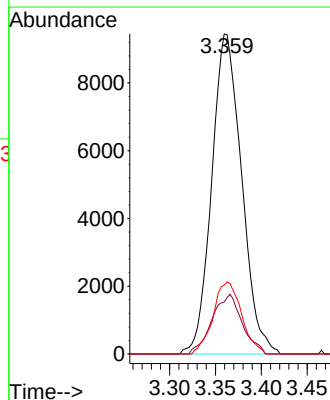
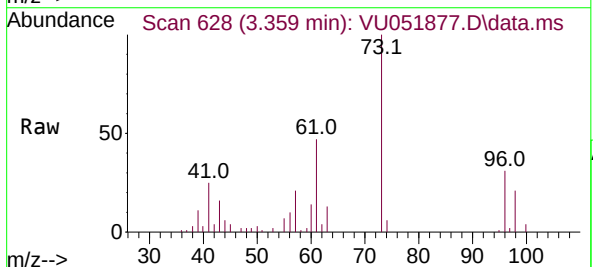
Instrument :
MSVOA_U
ClientSampleId :
MDL03

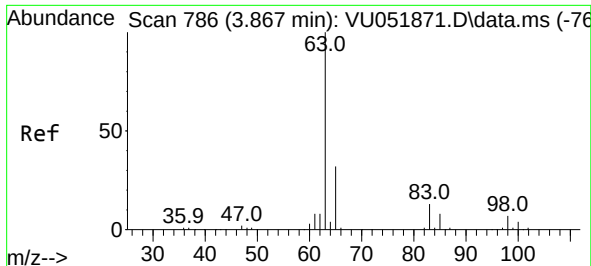
Tgt Ion: 96	Resp:	7144	
Ion	Ratio	Lower	Upper
96	100		
61	142.8	98.3	182.7
98	68.7	45.5	84.5



#18
Methyl tert-butyl Ether
Concen: 2.087 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 73	Resp: 21434
Ion Ratio	Lower Upper
73 100	
43 18.8	13.4 20.0
57 21.4	17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.127 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL03

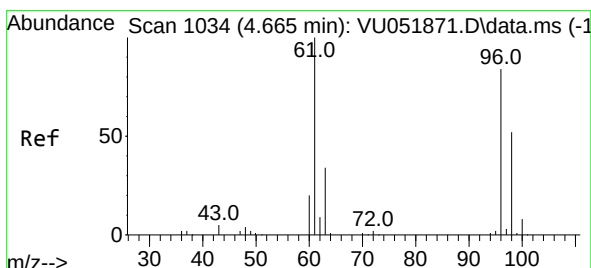
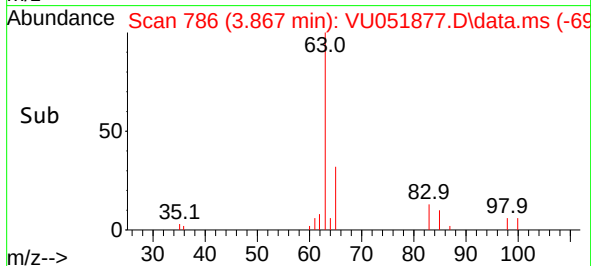
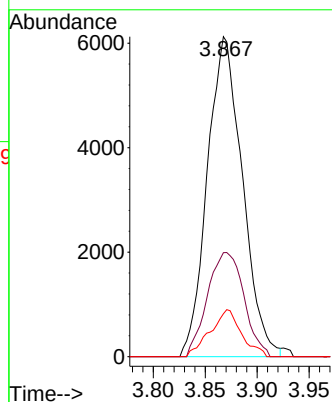
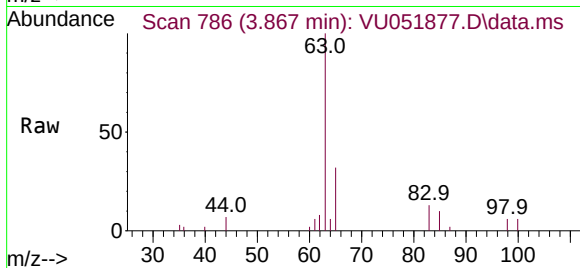
Tgt Ion: 63 Resp: 14363

Ion Ratio Lower Upper

63 100

65 32.5 22.2 41.2

83 13.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.101 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

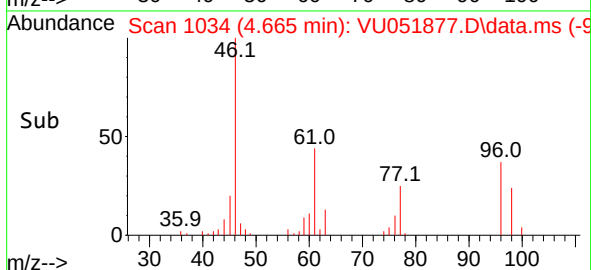
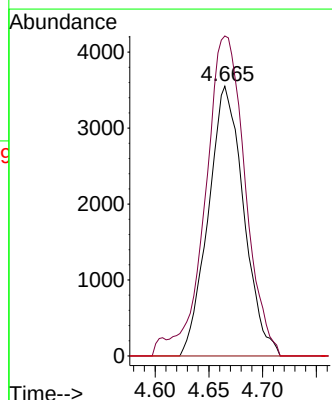
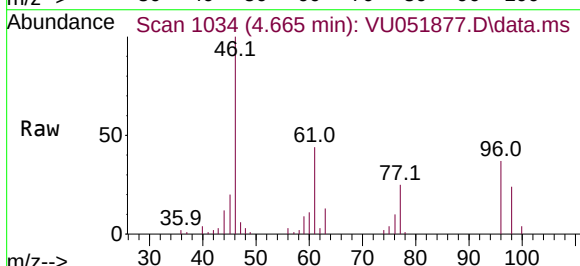
Tgt Ion: 96 Resp: 8135

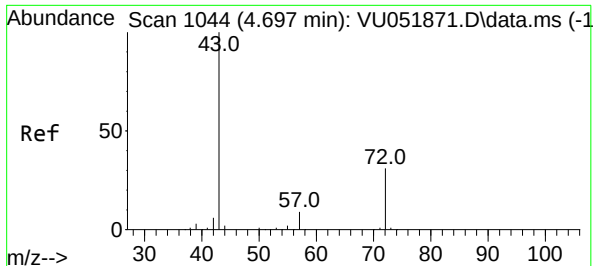
Ion Ratio Lower Upper

96 100

61 118.6 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.813 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.016 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

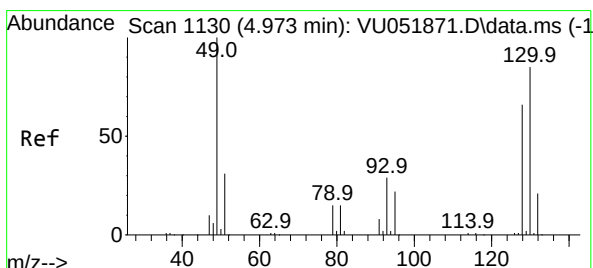
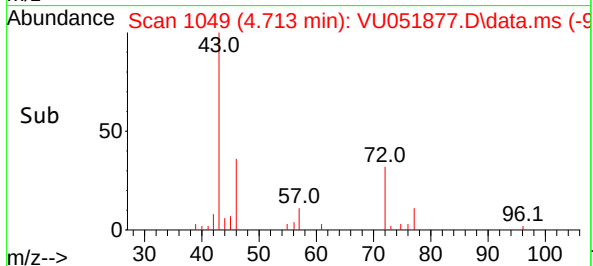
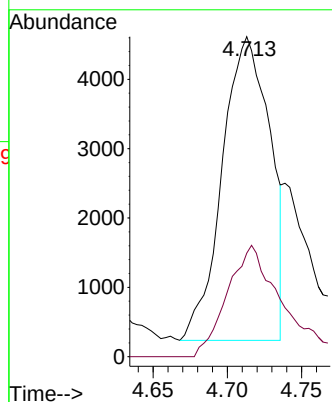
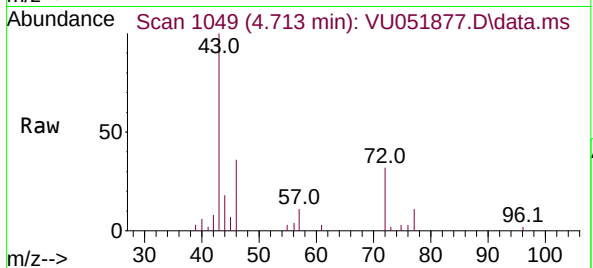
MDL03

Tgt Ion: 43 Resp: 9803

Ion Ratio Lower Upper

43 100

72 41.2 15.7 47.1



#23

Bromochloromethane

Concen: 2.009 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Tgt Ion:128 Resp: 4292

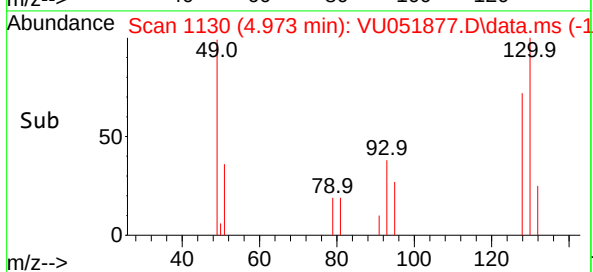
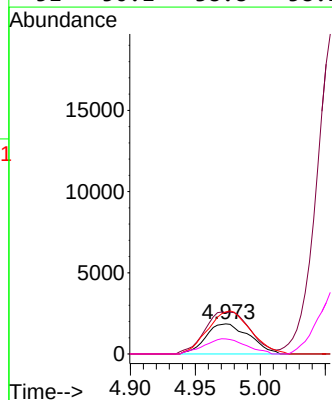
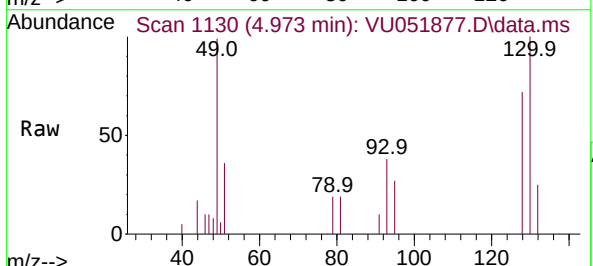
Ion Ratio Lower Upper

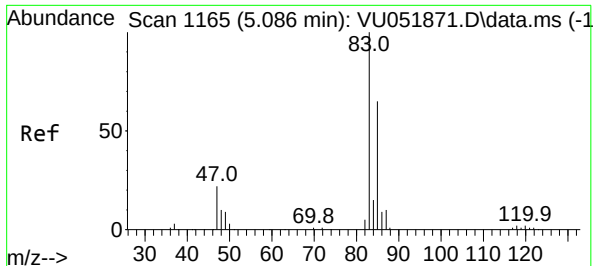
128 100

49 137.7 107.2 199.0

130 139.5 92.5 171.7

51 50.1 38.8 58.2





#25

Chloroform

Concen: 2.447 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

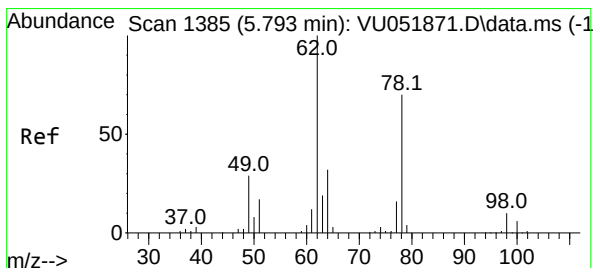
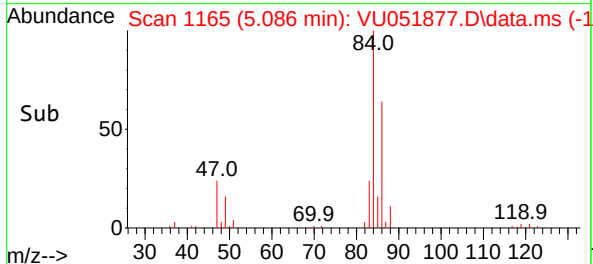
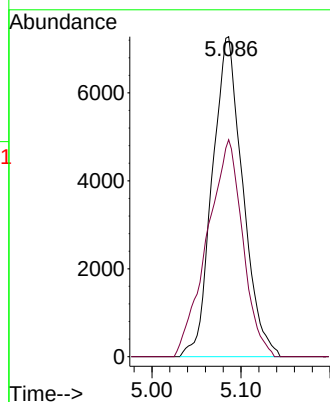
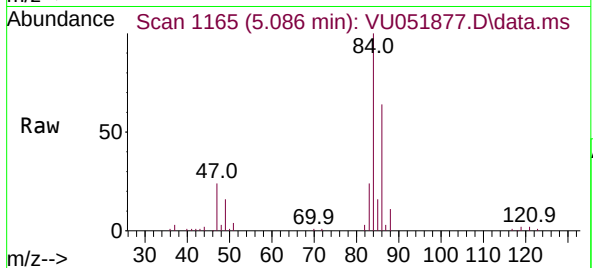
MDL03

Tgt Ion: 83 Resp: 17240

Ion Ratio Lower Upper

83 100

85 67.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.233 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051877.D

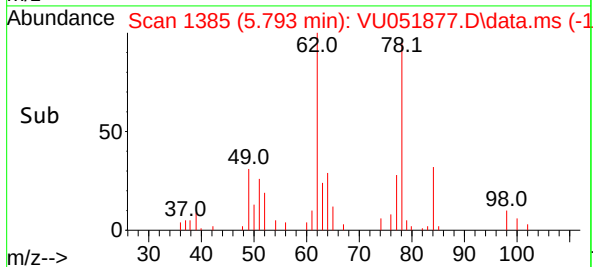
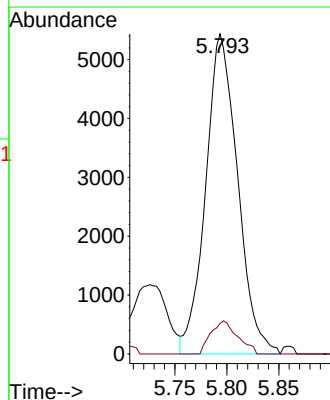
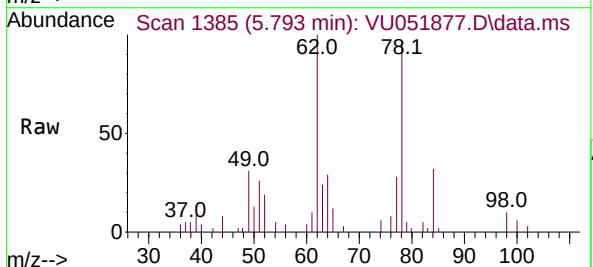
Acq: 16 Nov 2022 12:18

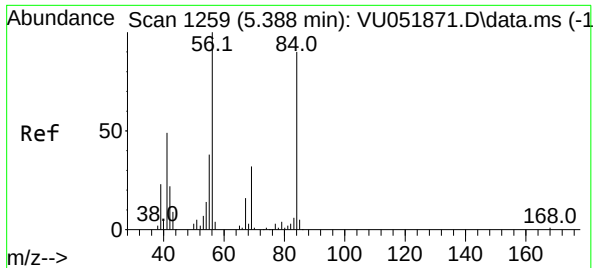
Tgt Ion: 62 Resp: 11626

Ion Ratio Lower Upper

62 100

98 9.5 8.1 12.1





#29

Cyclohexane

Concen: 2.057 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL03

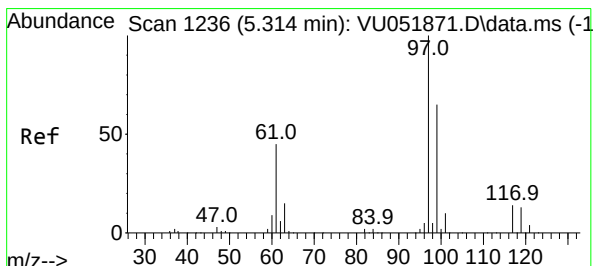
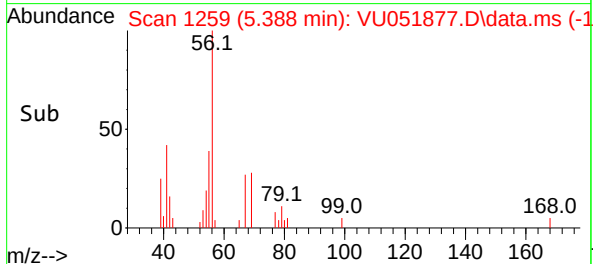
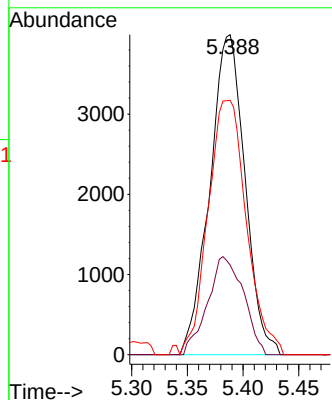
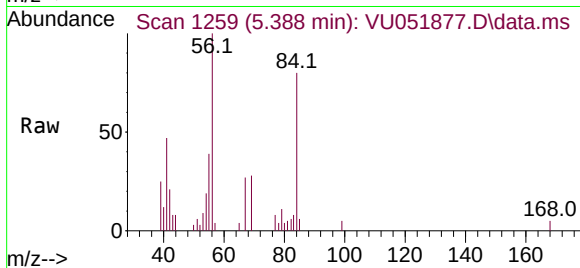
Tgt Ion: 56 Resp: 8770

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 86.3 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.299 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

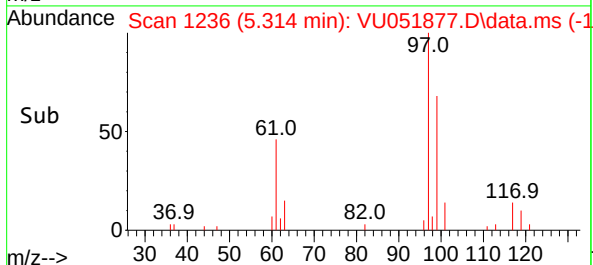
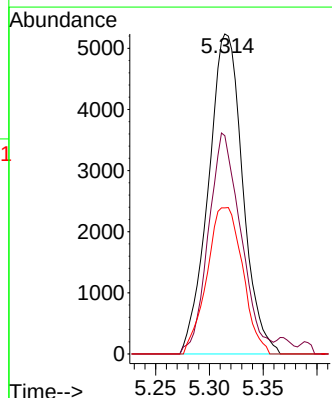
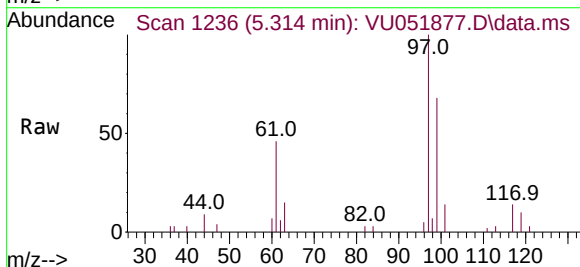
Tgt Ion: 97 Resp: 11616

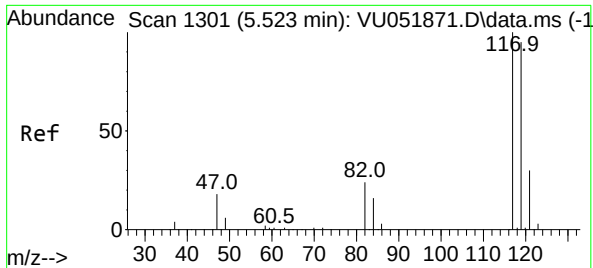
Ion Ratio Lower Upper

97 100

99 65.4 51.2 76.8

61 47.6 37.4 56.2

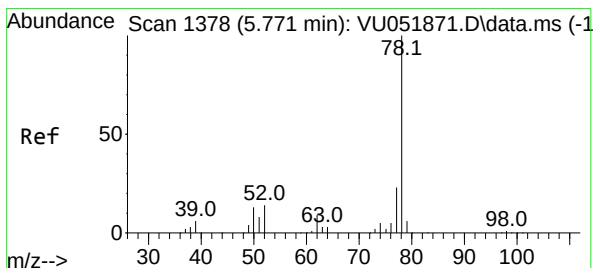
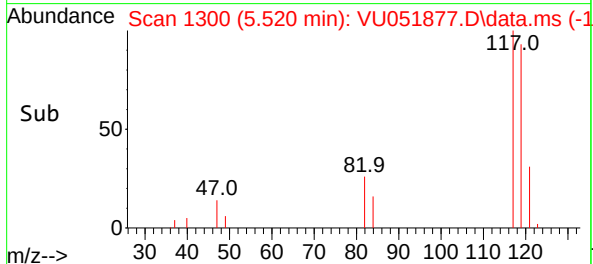
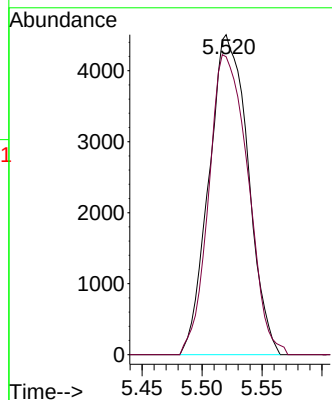
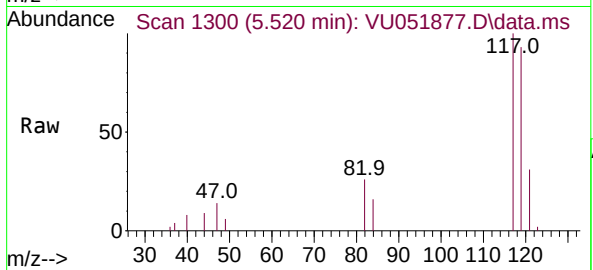




#31
Carbon tetrachloride
Concen: 2.416 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

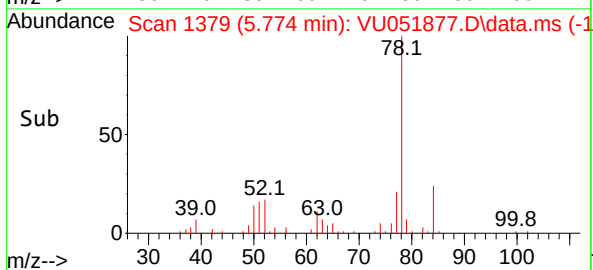
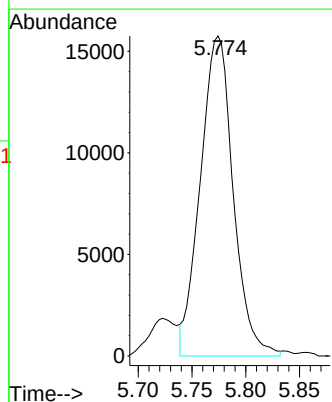
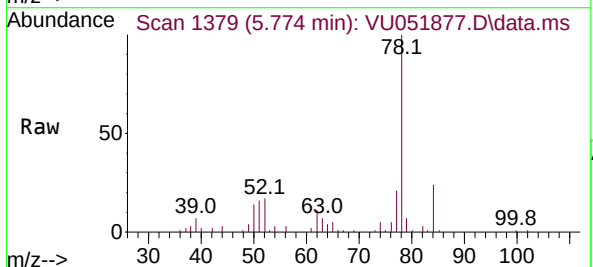
Instrument :
MSVOA_U
ClientSampleId :
MDL03

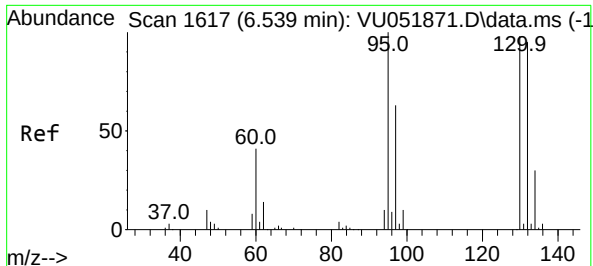
Tgt Ion:117 Resp: 10205
Ion Ratio Lower Upper
117 100
119 93.8 75.6 113.4



#33
Benzene
Concen: 2.331 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 78 Resp: 33511





#34

Trichloroethene

Concen: 2.189 ug/L

RT: 6.543 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 95 Resp: 7457

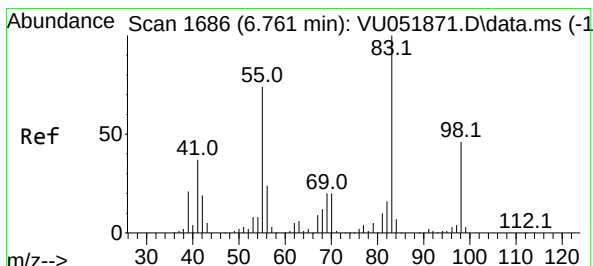
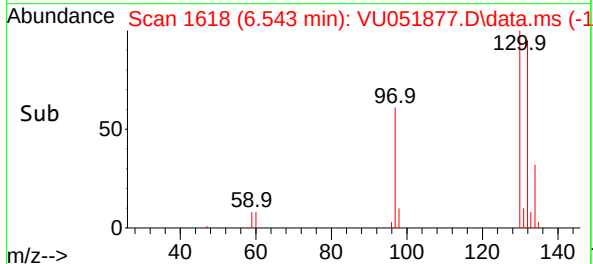
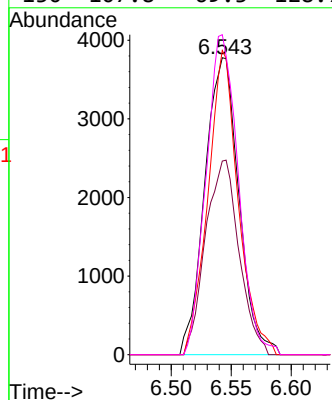
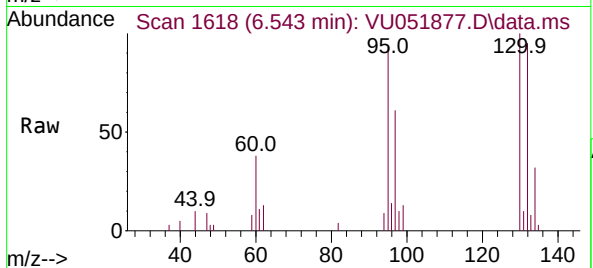
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.0

132 102.4 65.3 121.3

130 107.8 69.3 128.7



#35

Methylcyclohexane

Concen: 2.078 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

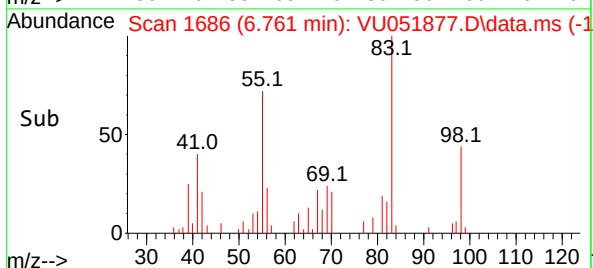
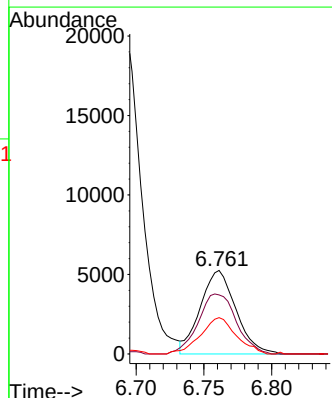
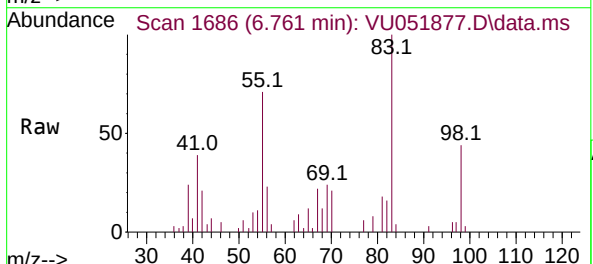
Tgt Ion: 83 Resp: 9597

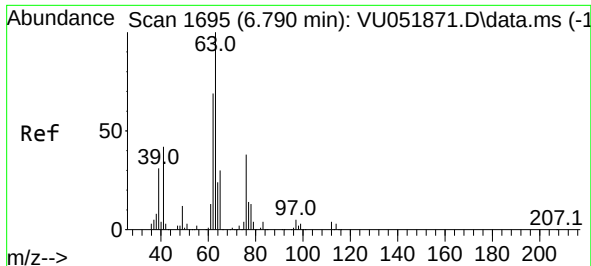
Ion Ratio Lower Upper

83 100

55 76.7 60.0 90.0

98 43.6 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.368 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

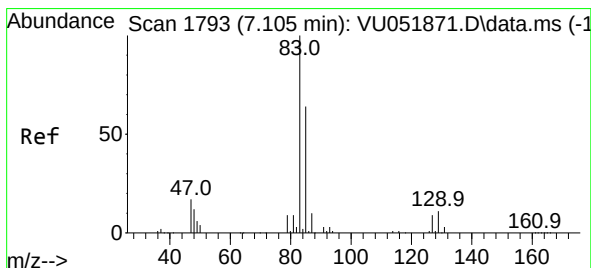
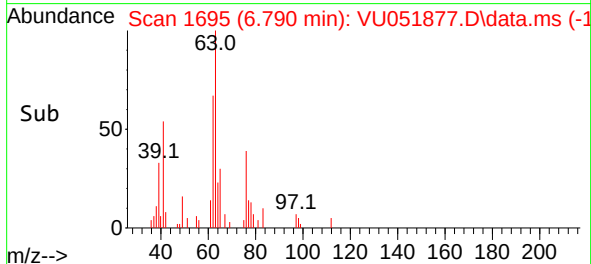
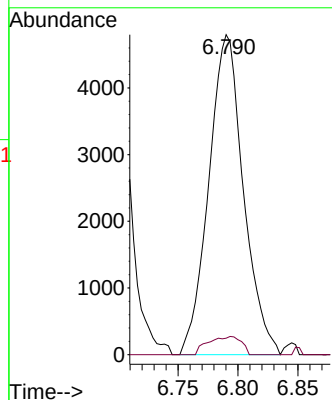
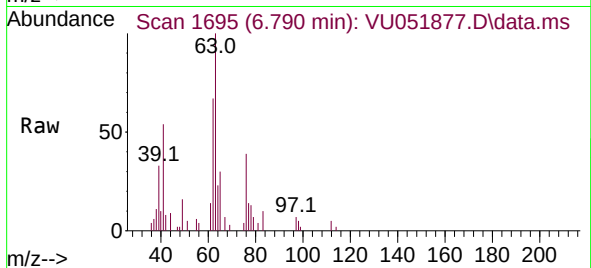
MDL03

Tgt Ion: 63 Resp: 9641

Ion Ratio Lower Upper

63 100

112 2.7 3.0 4.6#



#38

Bromodichloromethane

Concen: 2.276 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

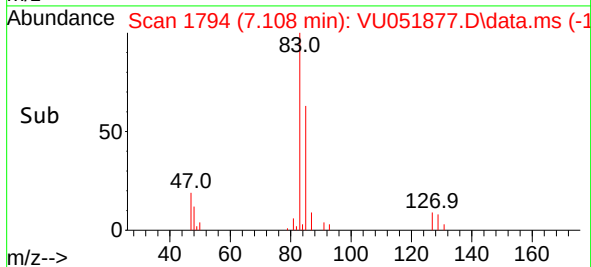
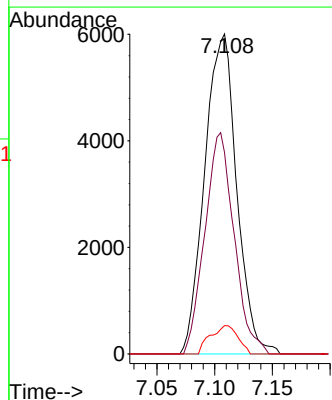
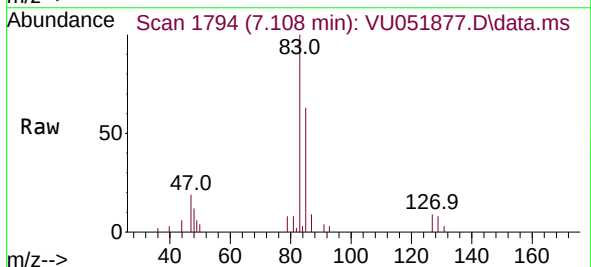
Tgt Ion: 83 Resp: 11591

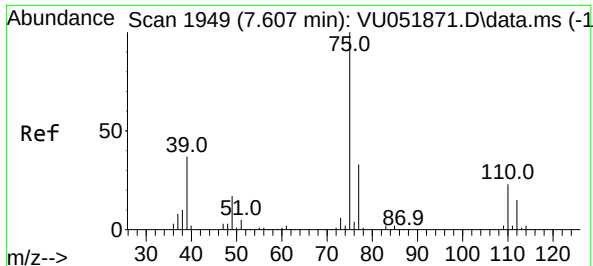
Ion Ratio Lower Upper

83 100

85 62.9 44.6 82.8

127 8.8 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.110 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

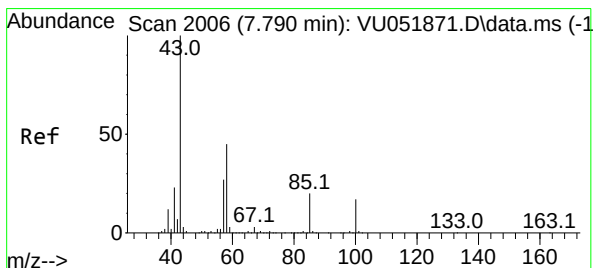
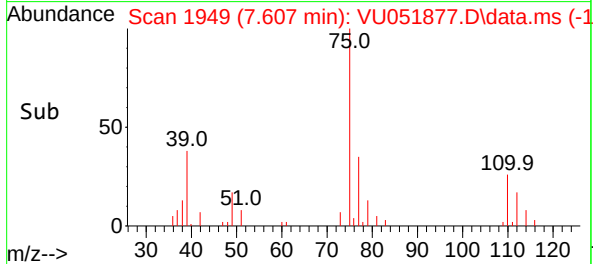
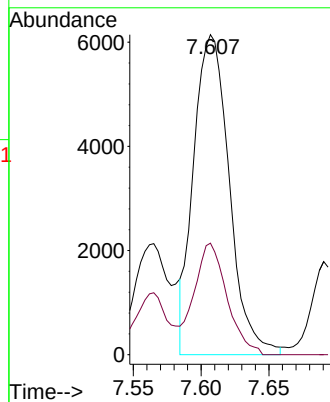
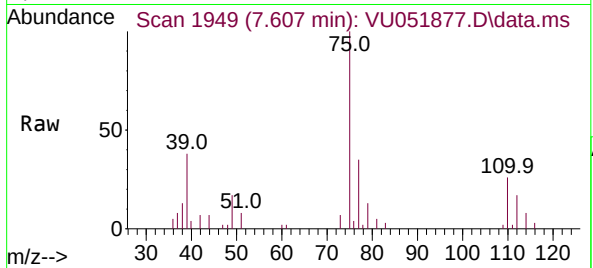
MDL03

Tgt Ion: 75 Resp: 11237

Ion Ratio Lower Upper

75 100

77 34.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.726 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

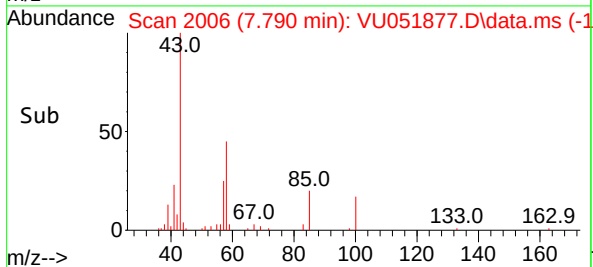
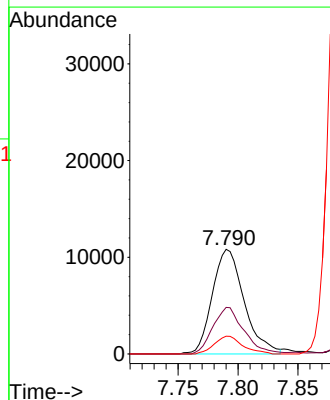
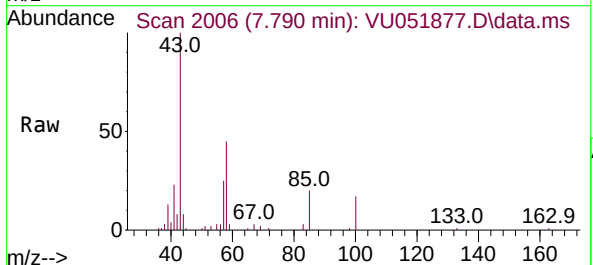
Tgt Ion: 43 Resp: 19977

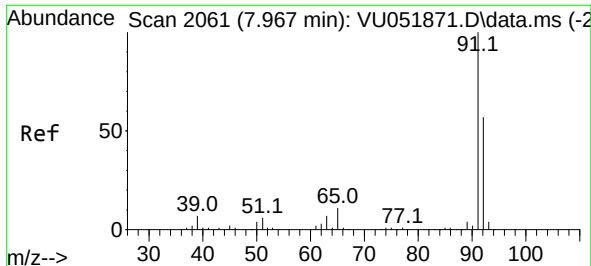
Ion Ratio Lower Upper

43 100

58 43.3 35.4 53.2

100 15.1 13.4 20.0





#42

Toluene

Concen: 2.187 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

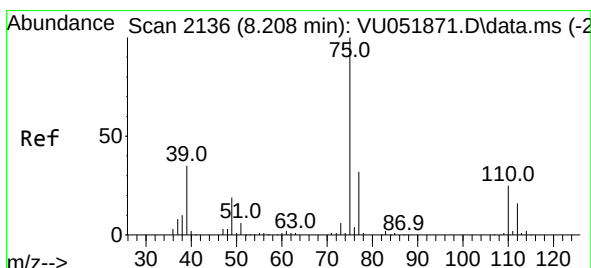
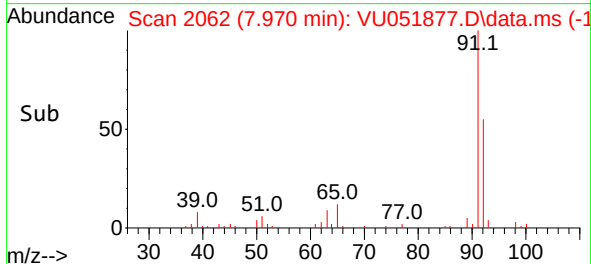
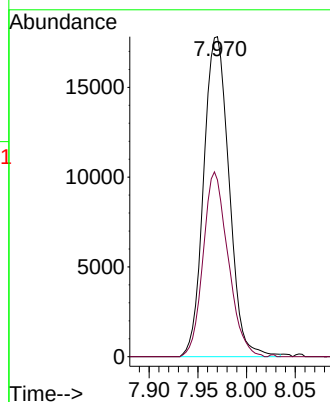
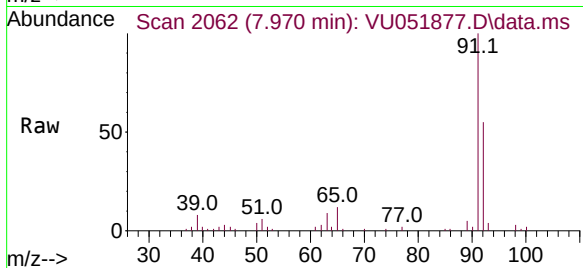
MDL03

Tgt Ion: 91 Resp: 32341

Ion Ratio Lower Upper

91 100

92 55.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.288 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051877.D

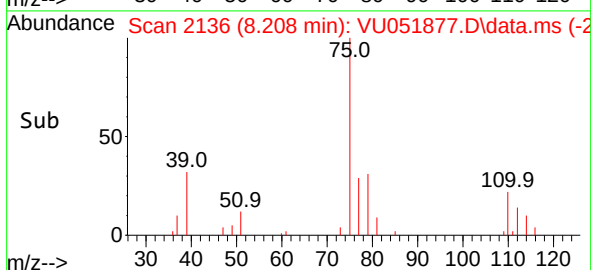
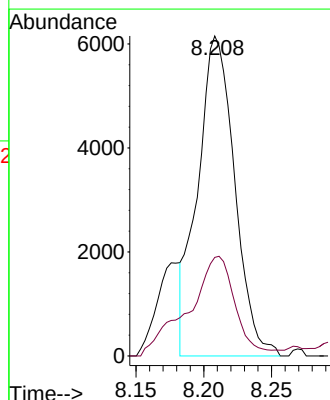
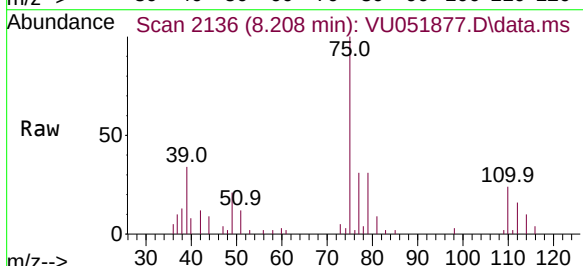
Acq: 16 Nov 2022 12:18

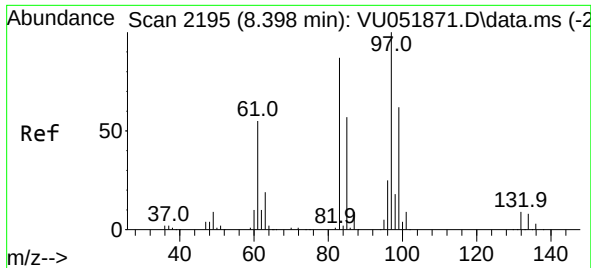
Tgt Ion: 75 Resp: 11676

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6

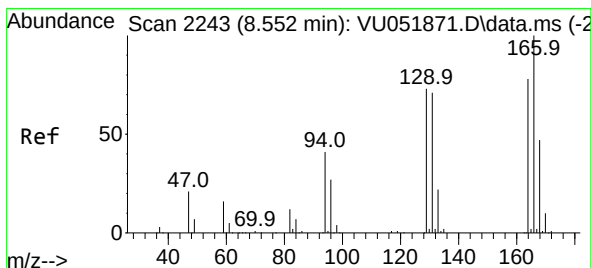
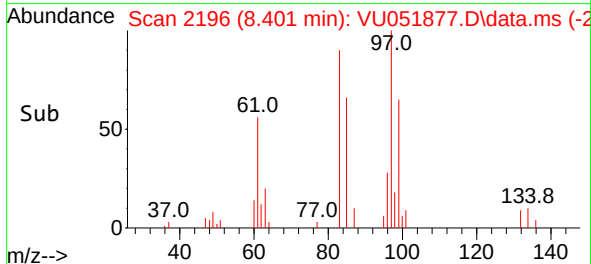
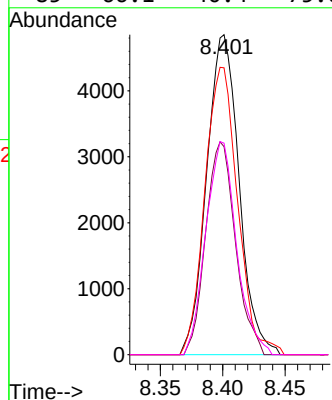
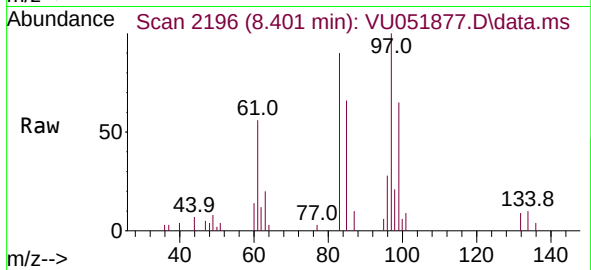




#45
1,1,2-Trichloroethane
Concen: 2.128 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

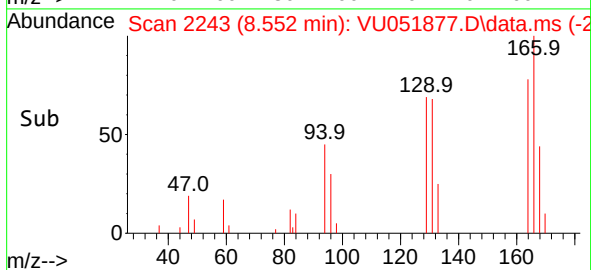
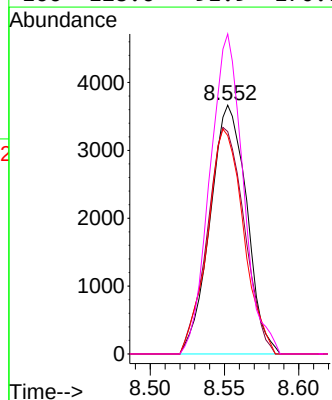
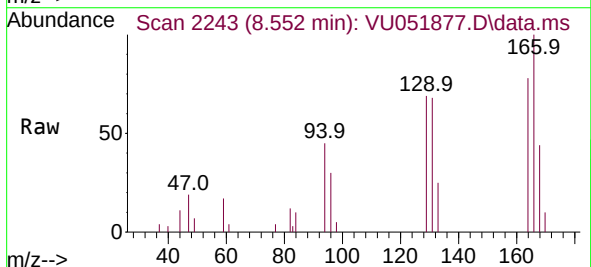
Instrument :
MSVOA_U
ClientSampleId :
MDL03

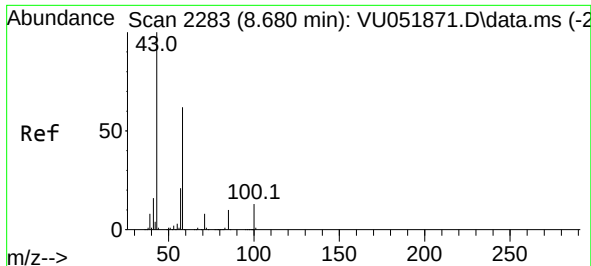
Tgt Ion: 97	Resp: 8805
Ion Ratio	Lower Upper
97 100	
99 65.0	44.3 82.3
83 89.7	62.3 115.7
85 66.1	40.4 75.0



#46
Tetrachloroethene
Concen: 2.305 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:164	Resp: 6269
Ion Ratio	Lower Upper
164 100	
129 89.4	68.5 127.1
131 87.8	66.6 123.8
166 128.6	91.9 170.7



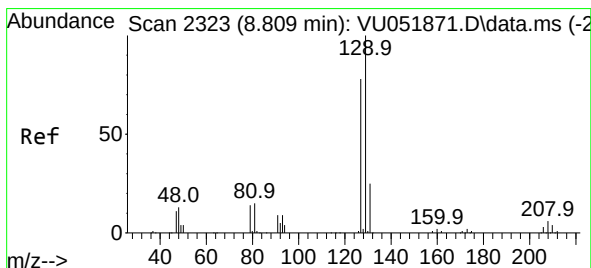
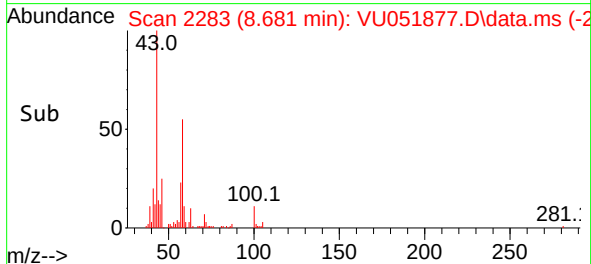
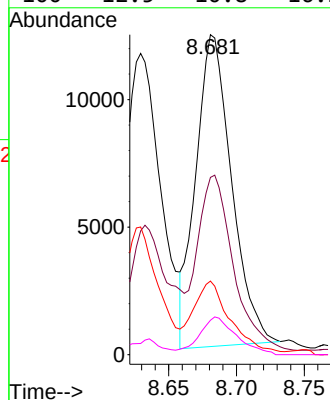
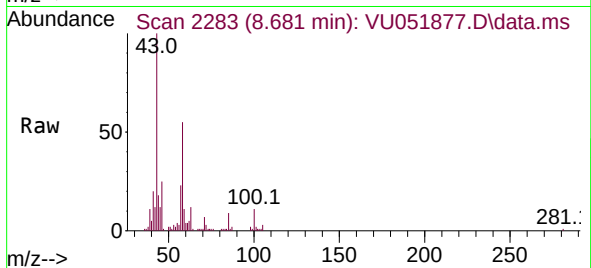


#48
2-Hexanone
Concen: 4.876 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 22453

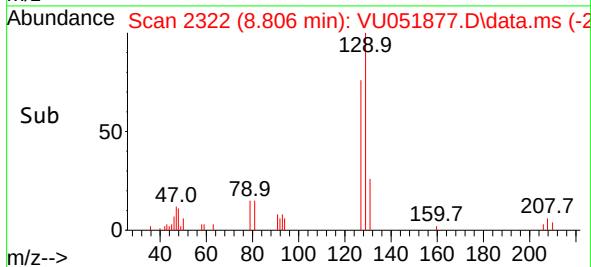
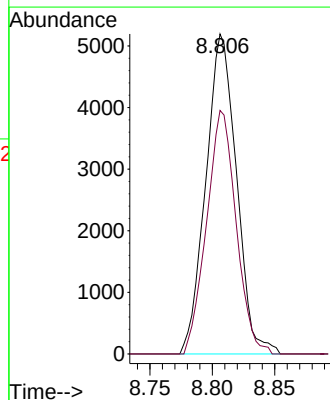
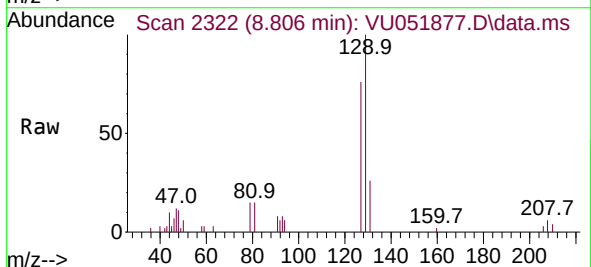
Ion	Ratio	Lower	Upper
43	100		
58	57.4	50.6	76.0
57	25.0	16.8	25.2
100	12.5	10.8	16.2

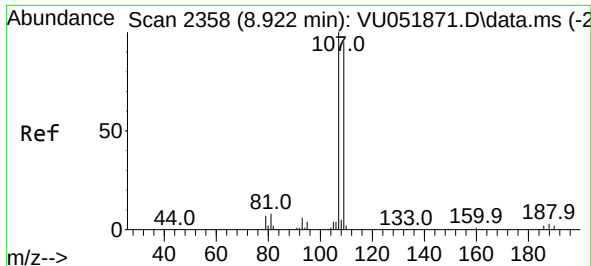


#49
Dibromochloromethane
Concen: 2.086 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 129 Resp: 8898

Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.4	101.0

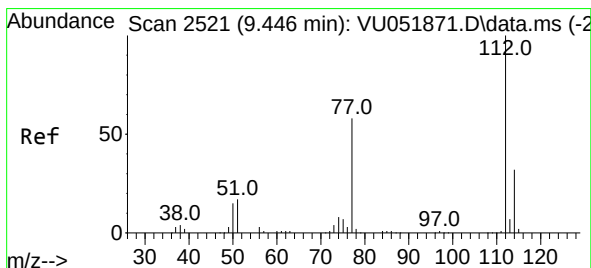
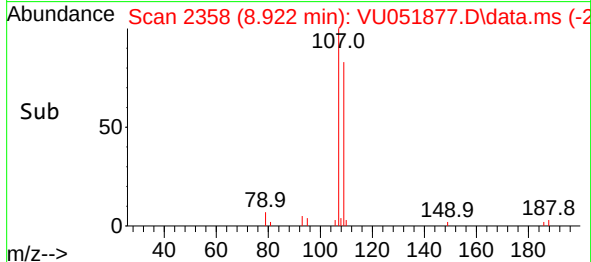
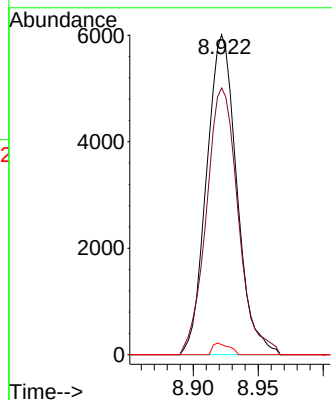
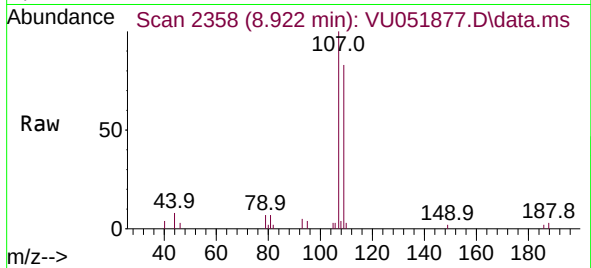




#50
1,2-Dibromoethane
Concen: 2.336 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

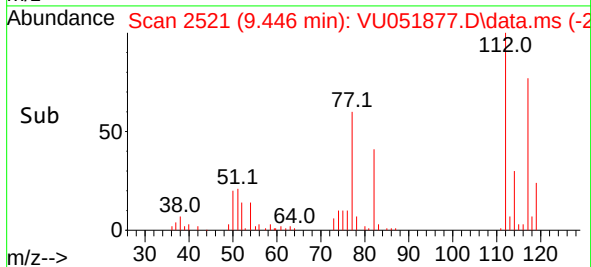
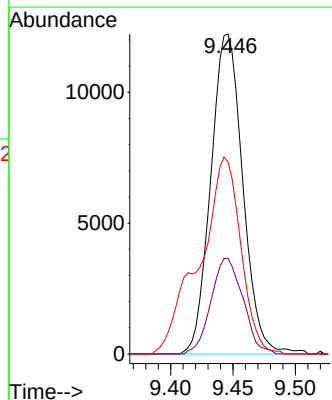
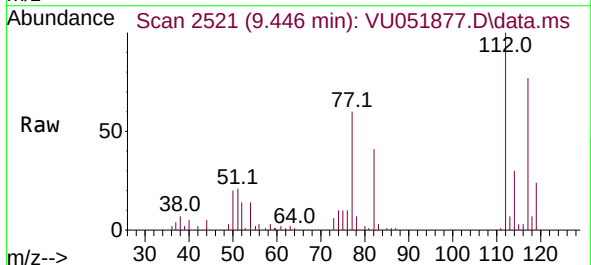
Instrument :
MSVOA_U
ClientSampleId :
MDL03

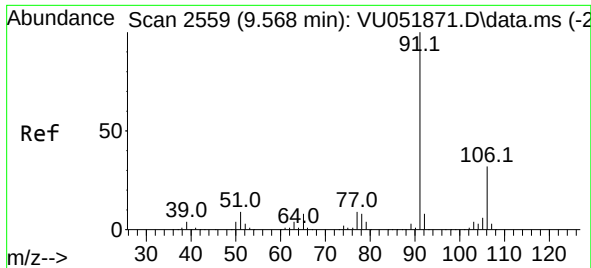
Tgt Ion:107	Resp:	9727
Ion	Ratio	Lower Upper
107	100	
109	83.3	65.0 120.6
188	3.1	2.9 4.3



#51
Chlorobenzene
Concen: 2.147 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:112	Resp:	21697
Ion	Ratio	Lower Upper
112	100	
114	29.8	22.2 41.2
77	60.0	46.7 70.1

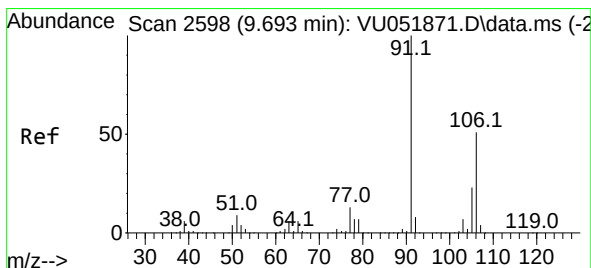
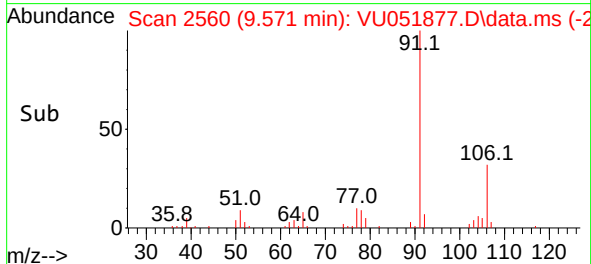
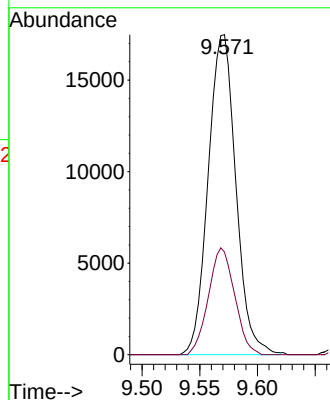
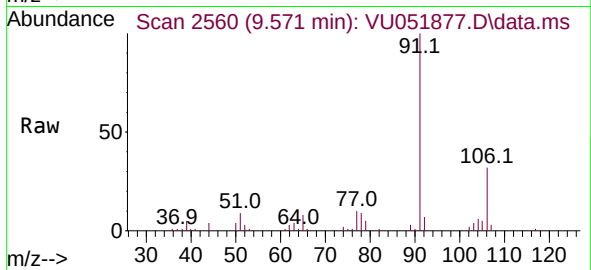




#52
Ethylbenzene
Concen: 1.928 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

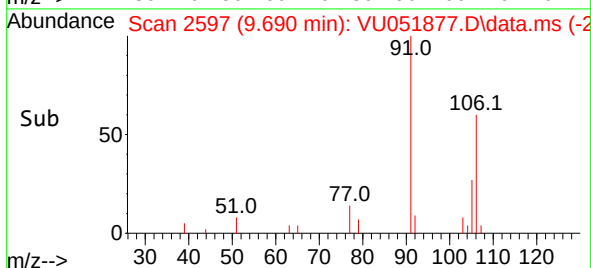
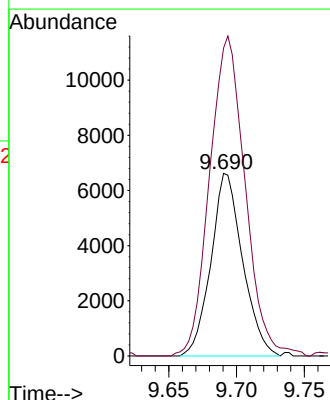
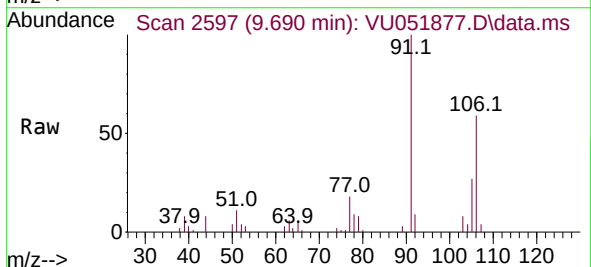
Instrument :
MSVOA_U
ClientSampleId :
MDL03

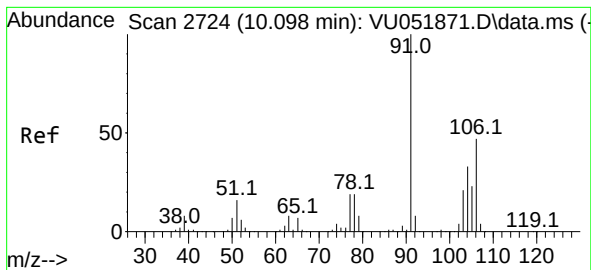
Tgt Ion: 91 Resp: 29179
Ion Ratio Lower Upper
91 100
106 32.1 21.3 39.6



#53
m,p-Xylene
Concen: 1.837 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion: 106 Resp: 10759
Ion Ratio Lower Upper
106 100
91 168.7 141.7 263.3





#54

o-Xylene

Concen: 1.836 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

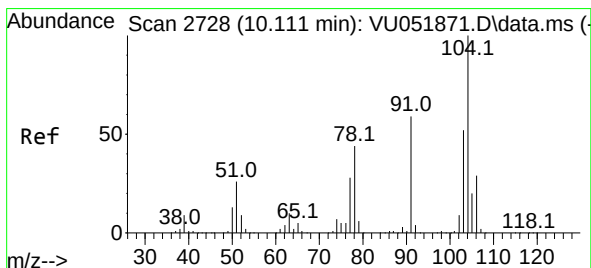
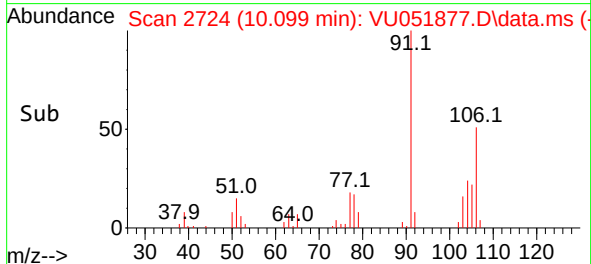
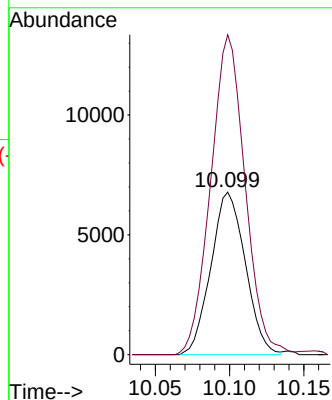
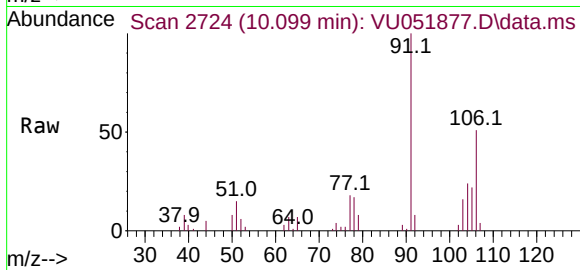
MDL03

Tgt Ion:106 Resp: 10944

Ion Ratio Lower Upper

106 100

91 196.8 149.7 278.1



#55

Styrene

Concen: 1.510 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU051877.D

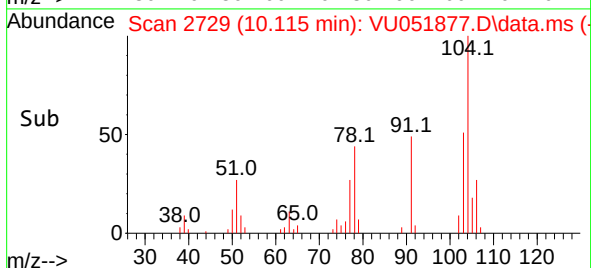
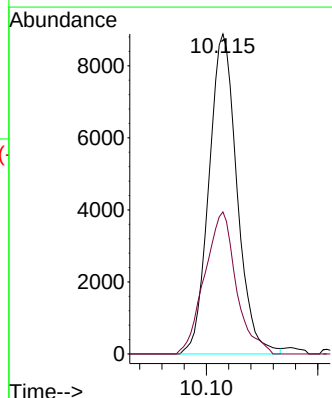
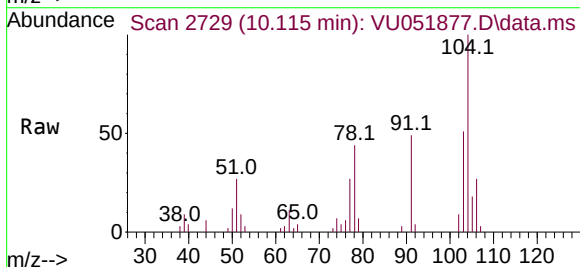
Acq: 16 Nov 2022 12:18

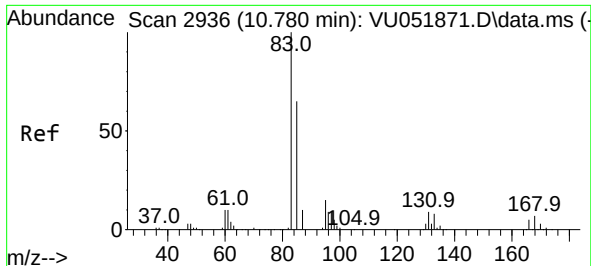
Tgt Ion:104 Resp: 15539

Ion Ratio Lower Upper

104 100

78 44.4 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.157 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL03

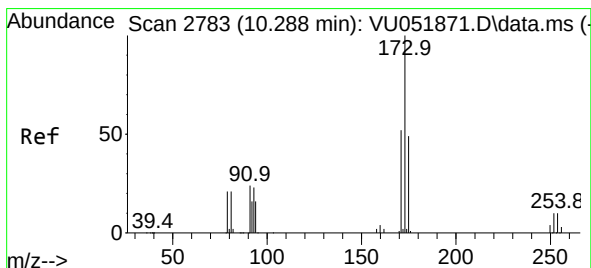
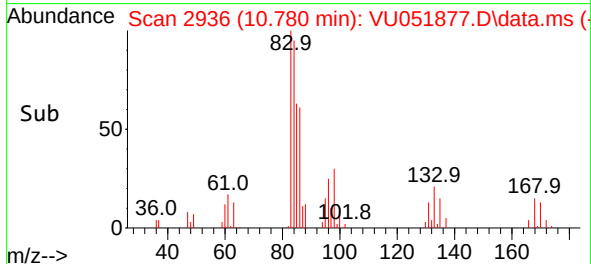
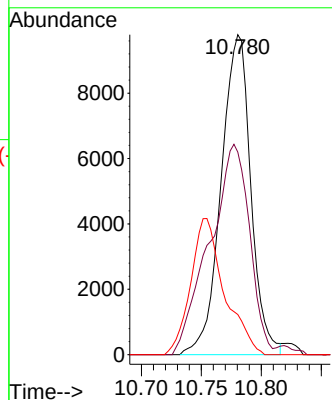
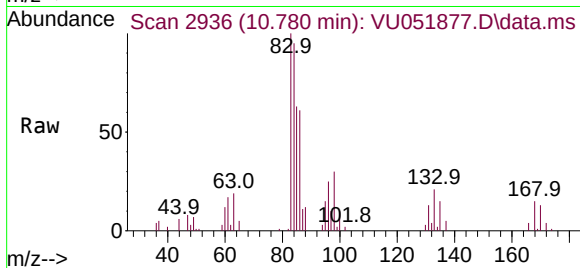
Tgt Ion: 83 Resp: 16863

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

131 12.5 6.8 10.2#



#59

Bromoform

Concen: 2.364 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051877.D

Acq: 16 Nov 2022 12:18

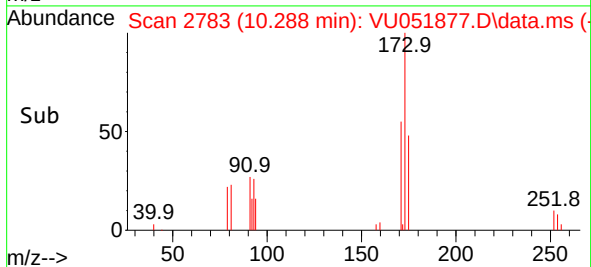
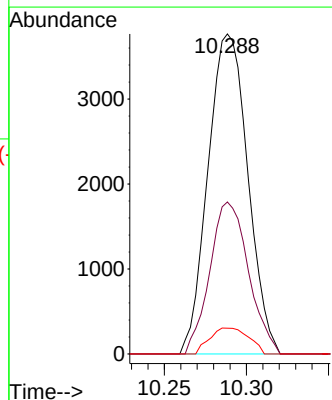
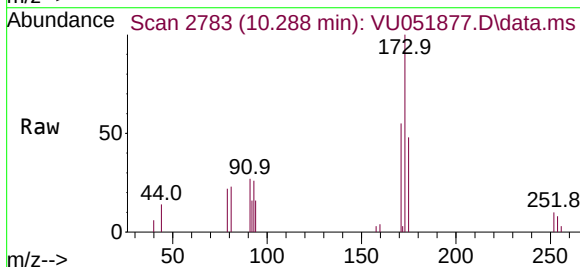
Tgt Ion: 173 Resp: 6349

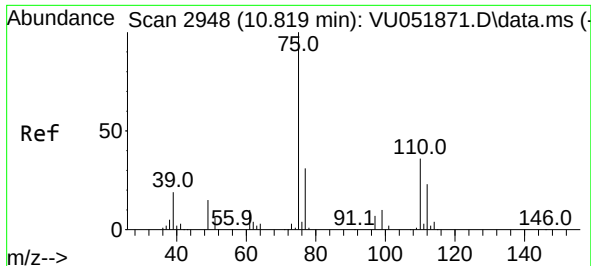
Ion Ratio Lower Upper

173 100

175 46.1 38.9 58.3

254 7.9 7.4 11.2

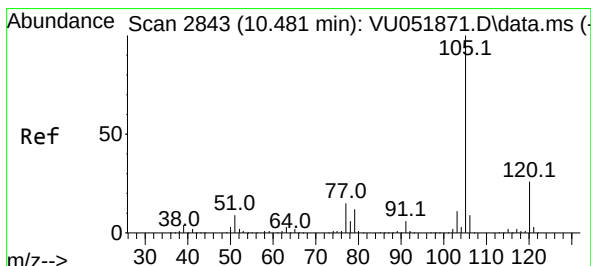
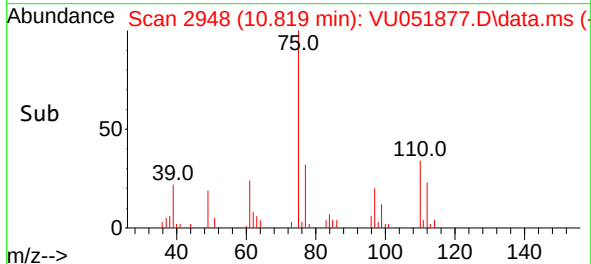
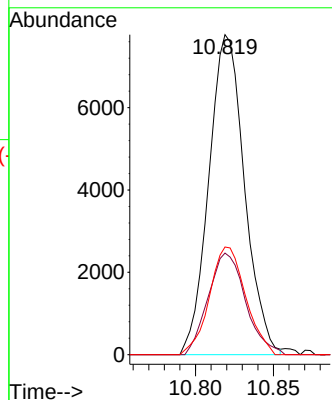
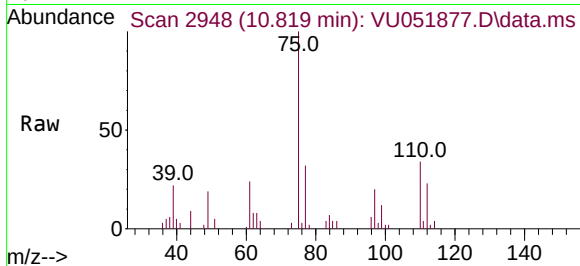




#60
1,2,3-Trichloropropane
Concen: 2.608 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

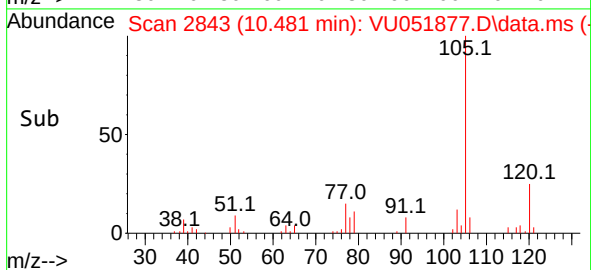
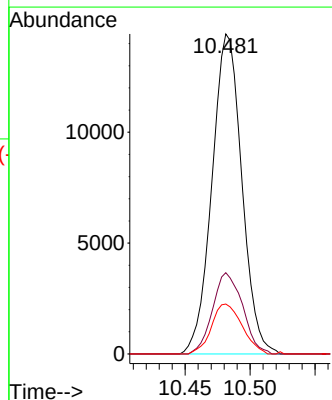
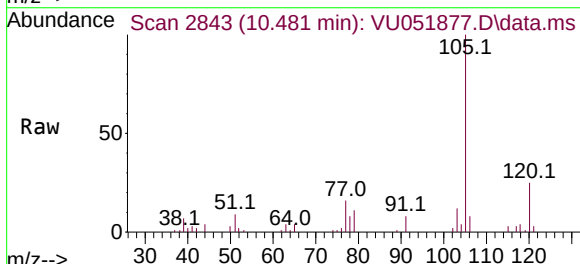
Instrument :
MSVOA_U
ClientSampleId :
MDL03

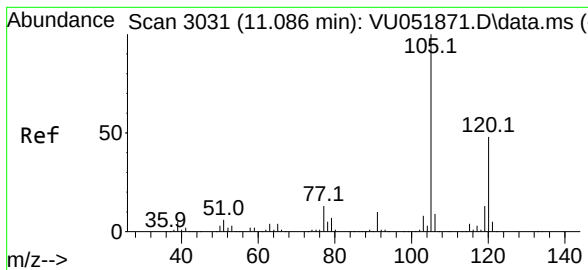
Tgt Ion:	75	Resp:	12360
Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.2	39.4
110	34.1	29.0	43.4



#61
Isopropylbenzene
Concen: 1.989 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:	105	Resp:	23030
Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.1	31.7
77	16.1	12.2	18.4

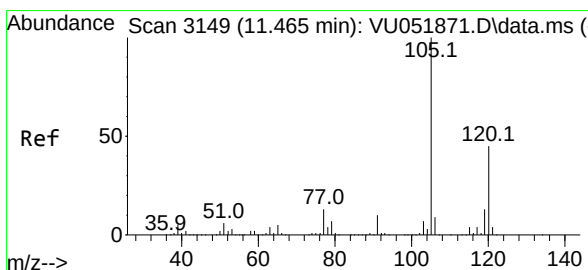
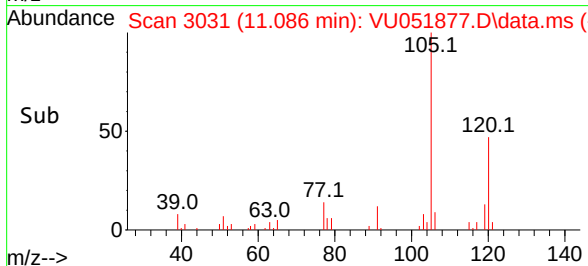
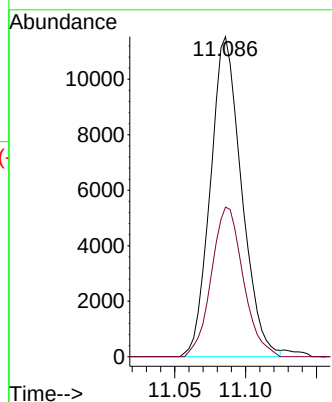
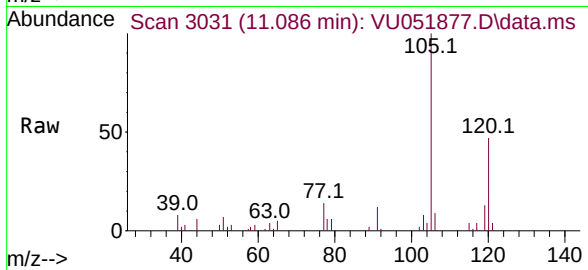




#62
 1,3,5-Trimethylbenzene
 Concen: 1.871 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

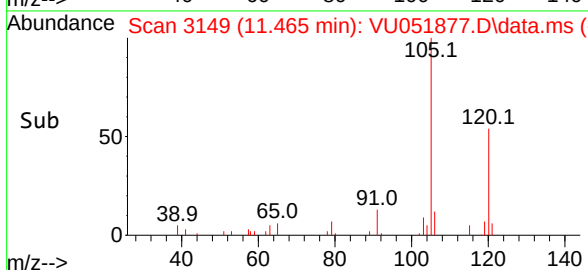
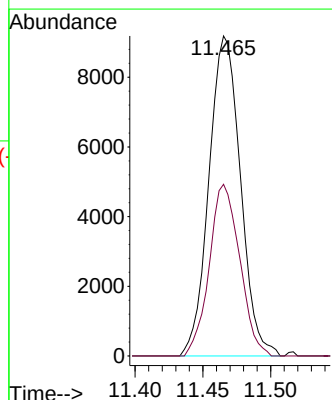
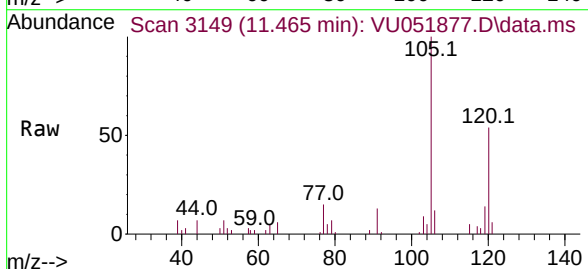
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

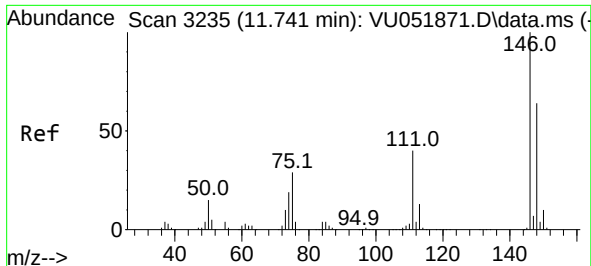
Tgt Ion:105 Resp: 17651
 Ion Ratio Lower Upper
 105 100
 120 47.7 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 1.613 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

Tgt Ion:105 Resp: 14868
 Ion Ratio Lower Upper
 105 100
 120 51.8 36.2 54.2

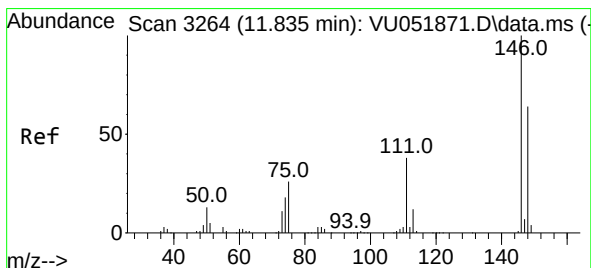
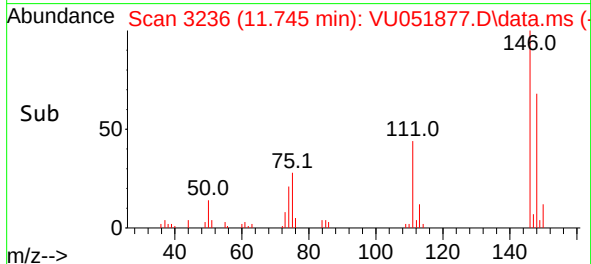
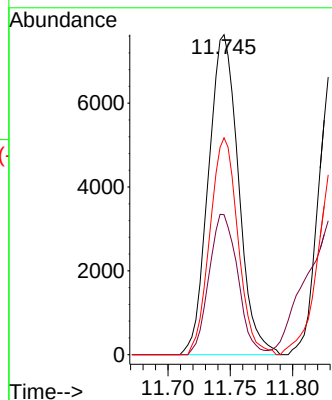
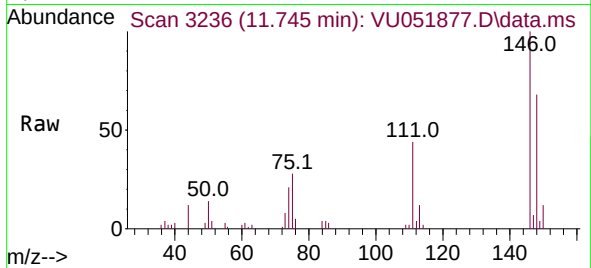




#64
1,3-Dichlorobenzene
Concen: 2.183 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

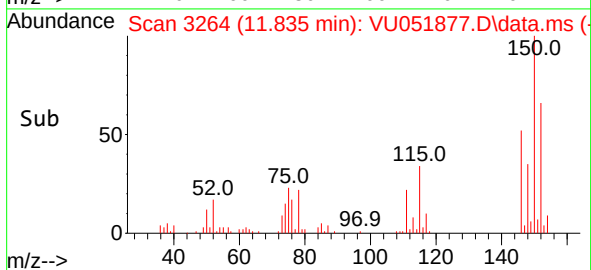
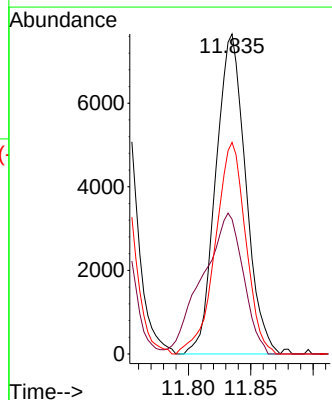
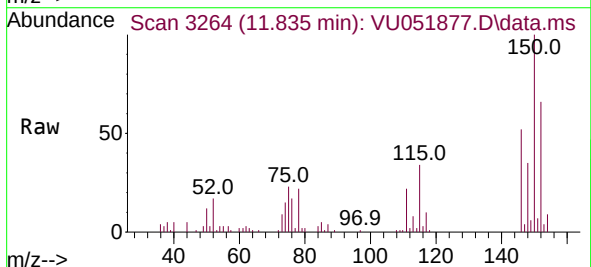
Instrument :
MSVOA_U
ClientSampleId :
MDL03

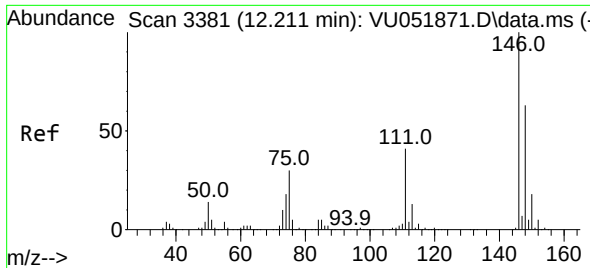
Tgt Ion:146 Resp: 12812
Ion Ratio Lower Upper
146 100
111 43.8 28.1 52.1
148 67.7 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.146 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:146 Resp: 12755
Ion Ratio Lower Upper
146 100
111 42.1 26.7 49.5
148 66.1 44.4 82.4

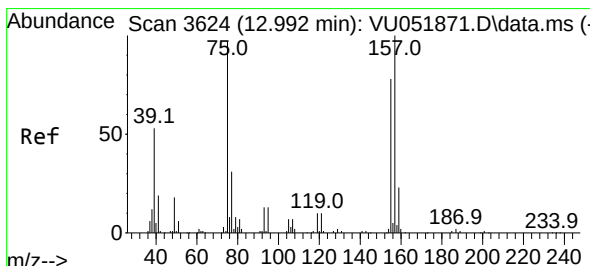
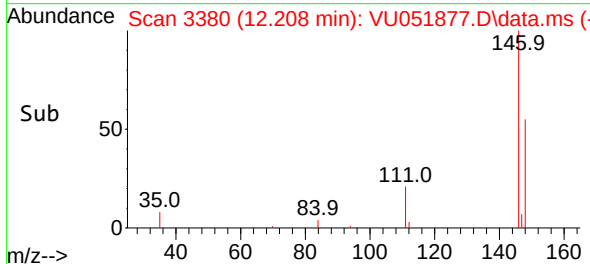
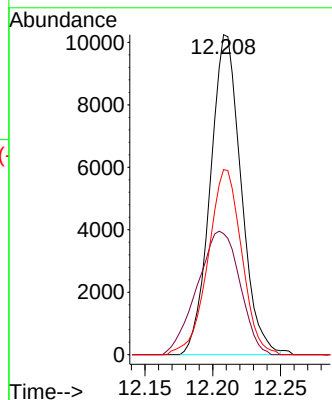
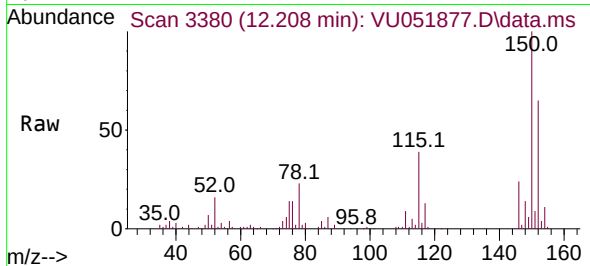




#67
1,2-Dichlorobenzene
Concen: 2.594 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

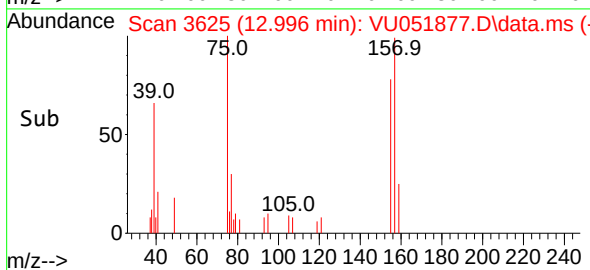
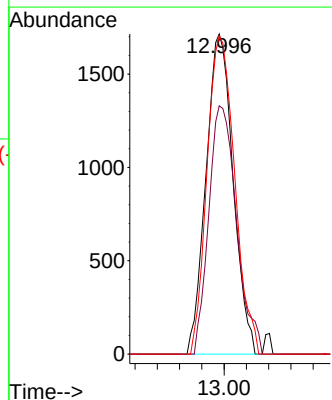
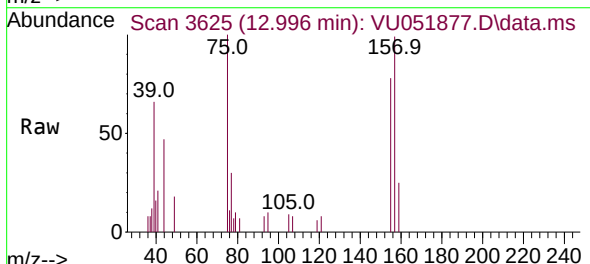
Instrument :
MSVOA_U
ClientSampleId :
MDL03

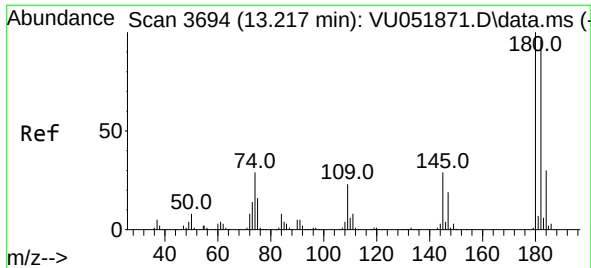
Tgt Ion:146 Resp: 16186
Ion Ratio Lower Upper
146 100
111 37.9 33.6 50.4
148 57.8 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 2.417 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

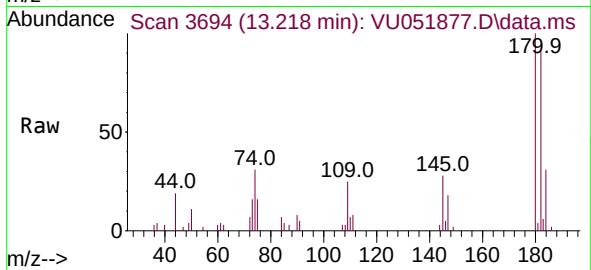
Tgt Ion: 75 Resp: 2933
Ion Ratio Lower Upper
75 100
155 77.6 63.0 94.6
157 99.5 79.4 119.0



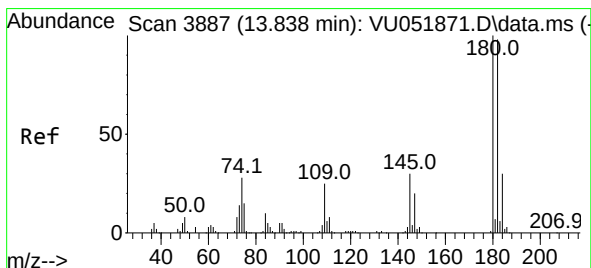
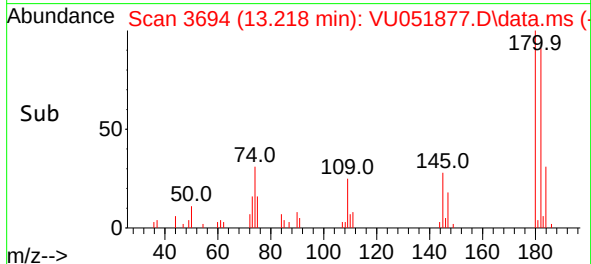
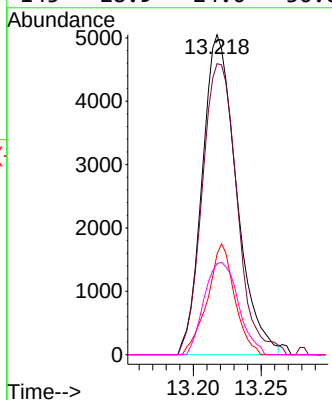


#69
 1,3,5-Trichlorobenzene
 Concen: 2.267 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

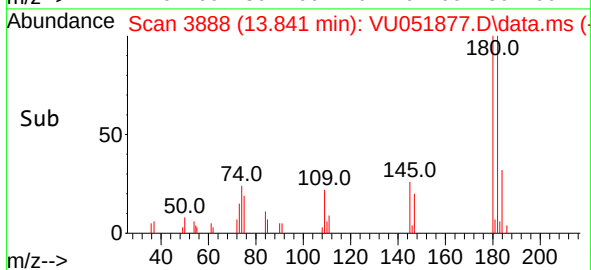
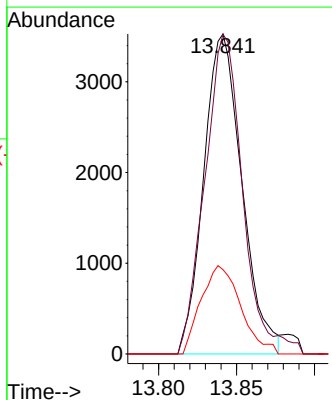
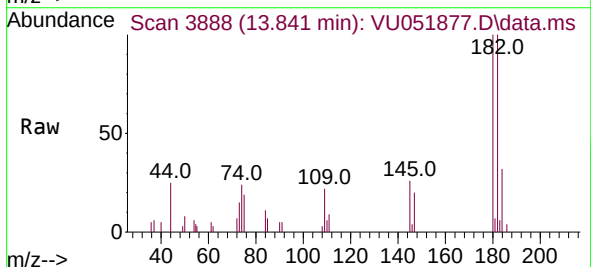


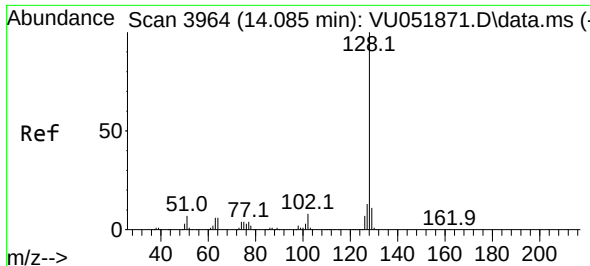
Tgt Ion:180	Resp:	8825
Ion Ratio	Lower	Upper
180	100	
182	91.8	77.0 115.4
184	27.6	23.8 35.8
145	28.9	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 1.946 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.004 min
 Lab File: VU051877.D
 Acq: 16 Nov 2022 12:18

Tgt Ion:180	Resp:	6004
Ion Ratio	Lower	Upper
180	100	
182	98.6	76.4 114.6
145	28.0	24.2 36.2

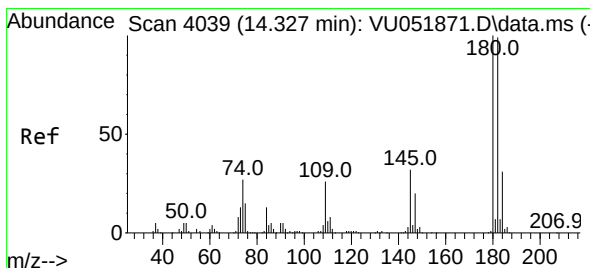
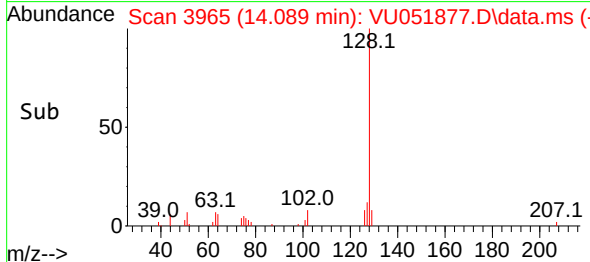
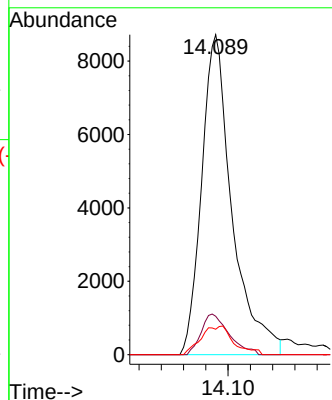
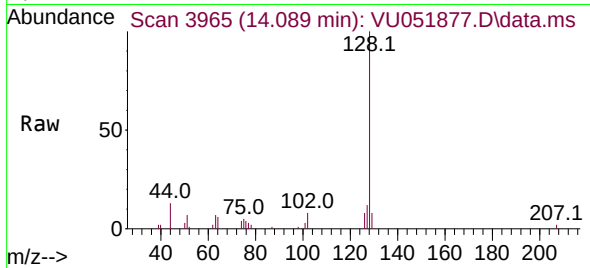




#71
Naphthalene
Concen: 1.627 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.004 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 16510
Ion Ratio Lower Upper
128 100
127 11.7 10.4 15.6
129 4.8 8.5 12.7#



#72
1,2,3-Trichlorobenzene
Concen: 1.872 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051877.D
Acq: 16 Nov 2022 12:18

Tgt Ion:180 Resp: 6324
Ion Ratio Lower Upper
180 100
182 92.3 76.9 115.3
145 27.2 24.9 37.3

