

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052188.D
 Acq On : 06 Dec 2022 13:10
 Operator : JC/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Dec 06 21:34:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:24:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	195594	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	202826	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	79252	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	102041	5.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 107.200%	
7) Chloroethane-d5	1.912	69	81854	5.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 110.800%	
11) 1,1-Dichloroethene-d2	2.565	65	38640	5.666	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 113.400%	
20) 2-Butanone-d5	4.645	46	171502	49.731	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 99.460%	
24) Chloroform-d	5.063	84	157966	5.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 113.000%	
26) 1,2-Dichloroethane-d4	5.703	65	77747	5.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 110.200%	
32) Benzene-d6	5.726	84	319311	5.303	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 106.000%	
36) 1,2-Dichloropropane-d6	6.690	67	101421	5.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 108.800%	
41) Toluene-d8	7.896	98	249628	4.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 91.600%	
43) trans-1,3-Dichloroprop...	8.179	79	32364	4.766	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 95.400%	
46) 2-Hexanone-d5	8.636	63	124864	43.388	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 86.780%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83247	5.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 103.000%	
66) 1,2-Dichlorobenzene-d4	12.192	152	86074	5.673	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 113.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4570	0.269	ug/L	95
3) Chloromethane	1.523	50	7387	0.334	ug/L	100
5) Vinyl chloride	1.604	62	6506	0.306	ug/L #	75
6) Bromomethane	1.858	94	2301	0.211	ug/L	97
8) Chloroethane	1.932	64	3608	0.273	ug/L	96
9) Trichlorofluoromethane	2.138	101	6709	0.287	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	5325	0.372	ug/L #	83
12) 1,1-Dichloroethene	2.578	96	4913	0.346	ug/L #	1
13) Acetone	2.671	43	3775	1.612	ug/L	100
14) Carbon disulfide	2.790	76	12700	0.259	ug/L	99
15) Methyl Acetate	2.974	43	1337	0.220	ug/L #	70
16) Methylene chloride	3.047	84	9044	0.471	ug/L	91
17) Methyl tert-butyl Ether	3.363	73	7064	0.222	ug/L	98
18) trans-1,2-Dichloroethene	3.356	96	3758	0.247	ug/L	96
19) 1,1-Dichloroethane	3.874	63	6799	0.248	ug/L	96
21) 2-Butanone	4.726	43	2656	0.708	ug/L	81
22) cis-1,2-Dichloroethene	4.665	96	3753	0.235	ug/L	85
23) Bromochloromethane	4.983	128	1917	0.251	ug/L	82
25) Chloroform	5.089	83	8082	0.291	ug/L	87

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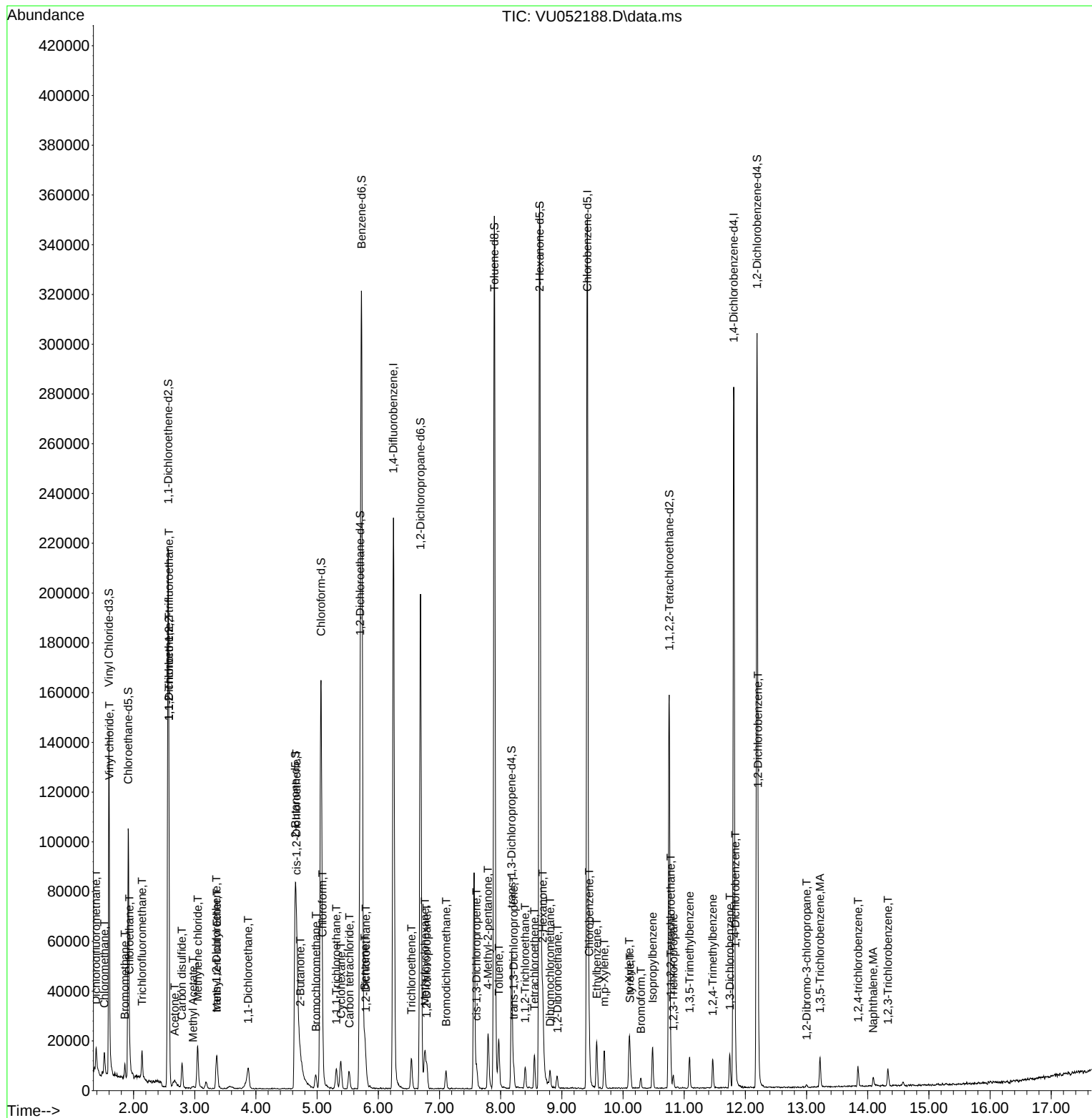
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	4766	0.280	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	5781	0.257	ug/L	94
30) Cyclohexane	5.391	56	4301	0.197	ug/L	89
31) Carbon tetrachloride	5.526	117	5035	0.263	ug/L	99
33) Benzene	5.777	78	16114	0.244	ug/L	100
34) Trichloroethene	6.543	95	3905	0.237	ug/L	96
35) Methylcyclohexane	6.764	83	5130	0.217	ug/L	98
37) 1,2-Dichloropropane	6.790	63	4251	0.249	ug/L #	95
38) Bromodichloromethane	7.108	83	5076	0.244	ug/L #	86
39) cis-1,3-Dichloropropene	7.607	75	4516	0.206	ug/L	88
40) 4-Methyl-2-pentanone	7.793	43	14643	1.640	ug/L #	87
42) Toluene	7.970	91	14381	0.212	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	4422	0.235	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	2840	0.221	ug/L	93
47) Tetrachloroethene	8.552	164	3229	0.256	ug/L	85
48) 2-Hexanone	8.687	43	17450	2.666	ug/L	95
49) Dibromochloromethane	8.809	129	3368	0.234	ug/L	91
50) 1,2-Dibromoethane	8.928	107	2787	0.238	ug/L #	99
51) Chlorobenzene	9.446	112	10559	0.244	ug/L	97
52) Ethylbenzene	9.571	91	12749	0.193	ug/L	95
53) m,p-Xylene	9.694	106	4606	0.180	ug/L	93
54) o-Xylene	10.102	106	4445	0.181	ug/L	95
55) Styrene	10.115	104	6717	0.162	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.780	83	4098	0.255	ug/L #	93
59) Bromoform	10.292	173	1981	0.303	ug/L #	86
60) Isopropylbenzene	10.484	105	10659	0.214	ug/L	95
61) 1,2,3-Trichloropropane	10.822	75	2268	0.250	ug/L	93
62) 1,3,5-Trimethylbenzene	11.089	105	7514	0.189	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	7073	0.179	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	6414	0.252	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	6142	0.242	ug/L	91
67) 1,2-Dichlorobenzene	12.208	146	6342	0.259	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.002	75	428	0.216	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.221	180	4640	0.257	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	3246	0.236	ug/L #	94
71) Naphthalene	14.089	128	4199	0.163	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.330	180	2780	0.206	ug/L	98

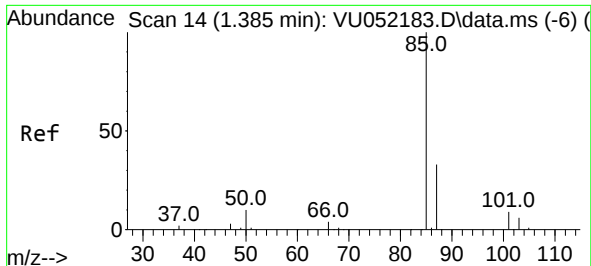
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ClientSampleId :
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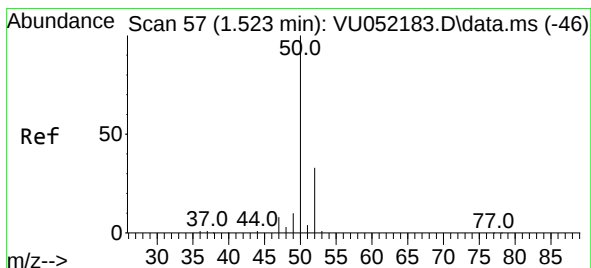
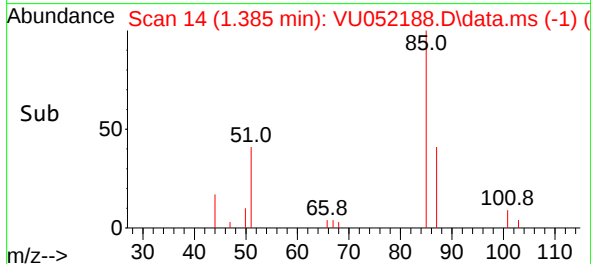
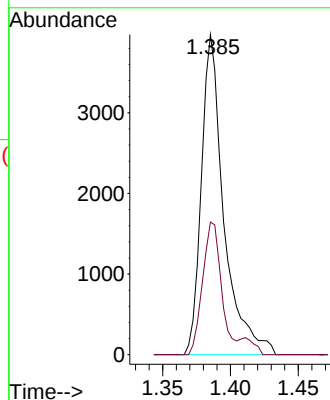
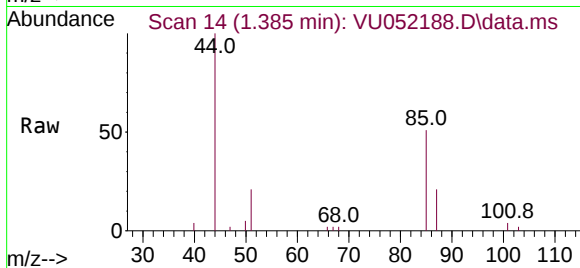




#2
 Dichlorodifluoromethane
 Concen: 0.269 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

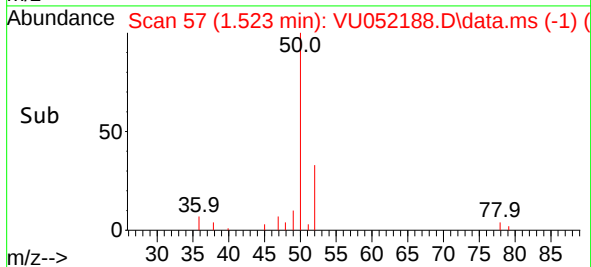
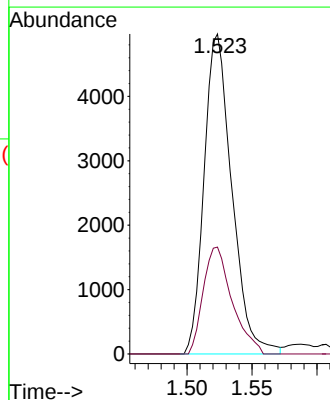
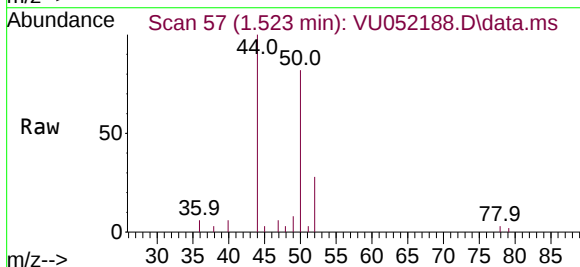
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

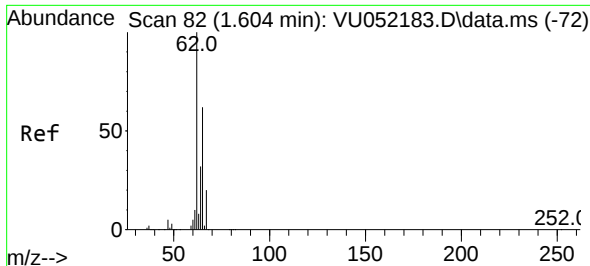
Tgt Ion: 85 Resp: 4570
 Ion Ratio Lower Upper
 85 100
 87 34.8 25.8 38.8



#3
 Chloromethane
 Concen: 0.334 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

Tgt Ion: 50 Resp: 7387
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4

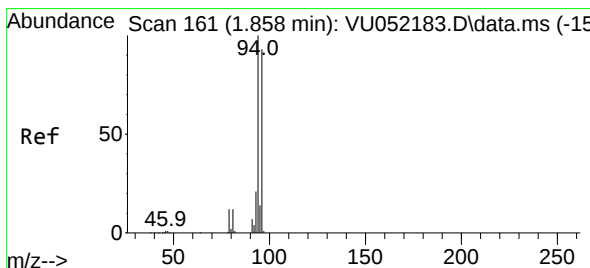
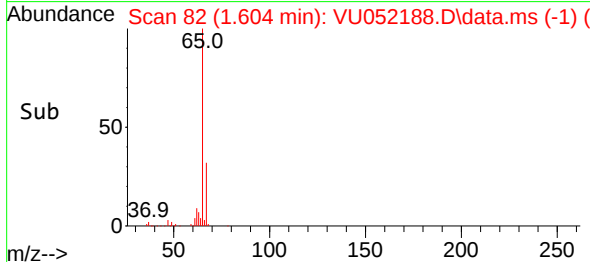
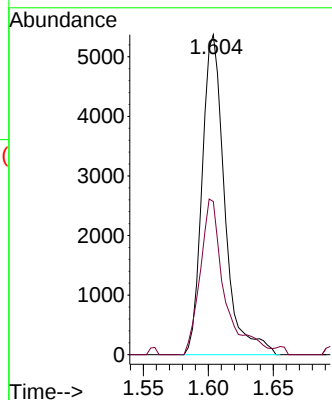
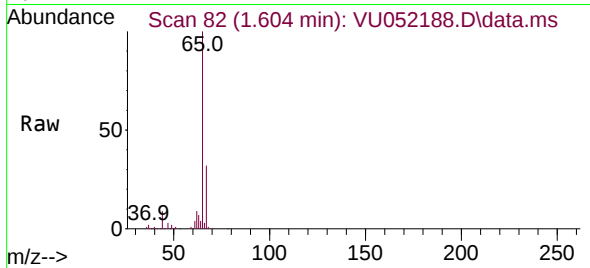




#5
 Vinyl chloride
 Concen: 0.306 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

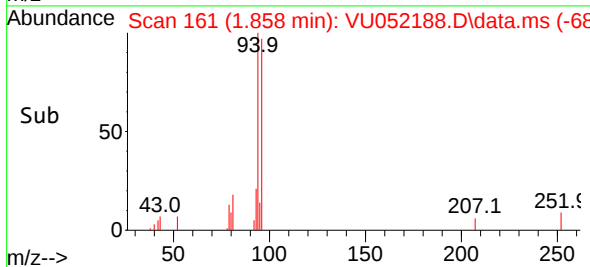
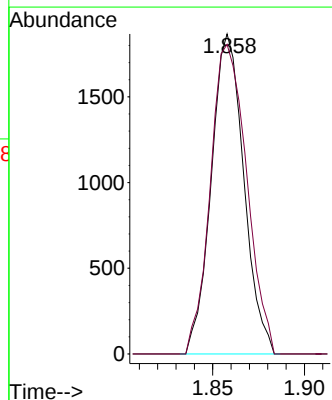
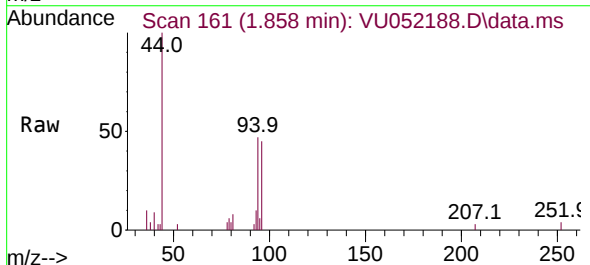
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

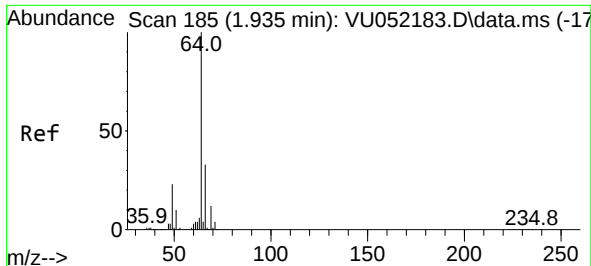
Tgt Ion: 62 Resp: 6506
 Ion Ratio Lower Upper
 62 100
 64 47.8 23.5 43.7#



#6
 Bromomethane
 Concen: 0.211 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

Tgt Ion: 94 Resp: 2301
 Ion Ratio Lower Upper
 94 100
 96 96.7 65.7 122.1

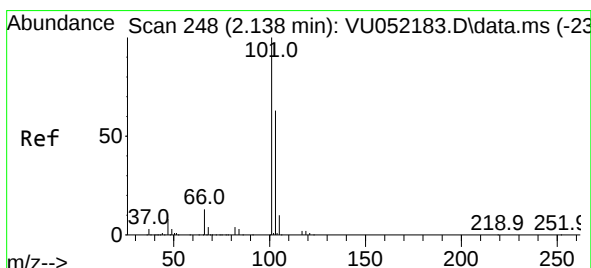
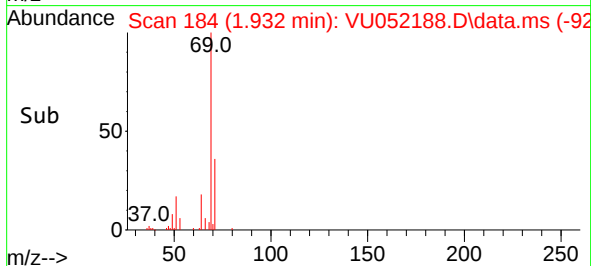
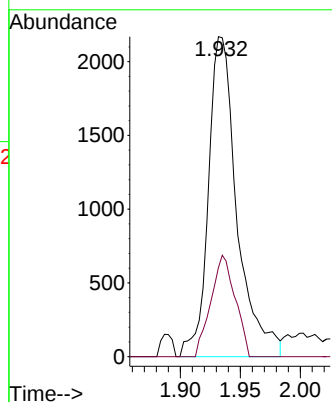
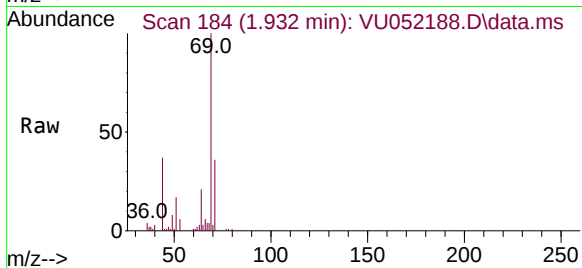




#8
Chloroethane
Concen: 0.273 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

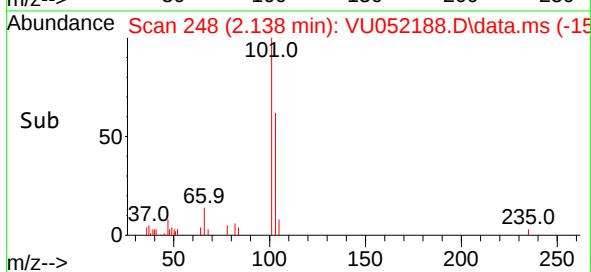
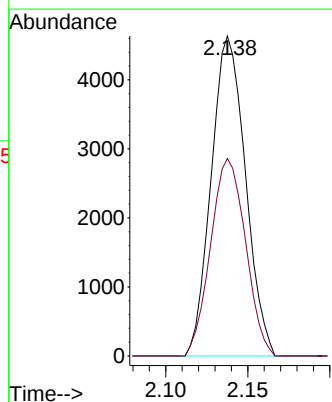
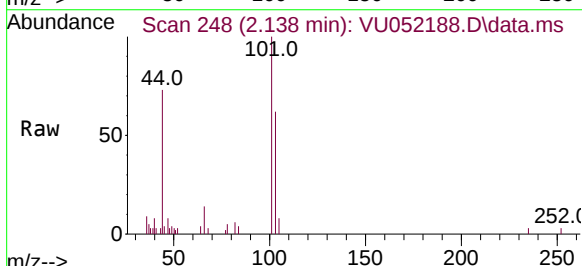
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ClientSampleId :
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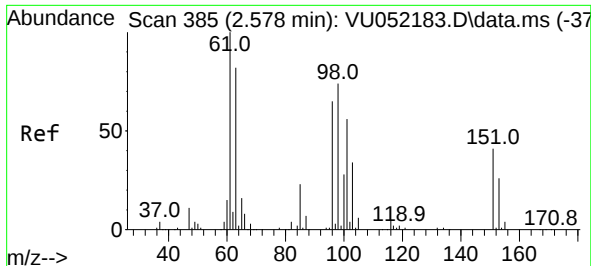
Tgt Ion: 64 Resp: 3608
Ion Ratio Lower Upper
64 100
66 27.8 21.1 39.1



#9
Trichlorofluoromethane
Concen: 0.287 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 101 Resp: 6709
Ion Ratio Lower Upper
101 100
103 62.9 51.6 77.4





#10

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

Concen: 0.372 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

MDL02

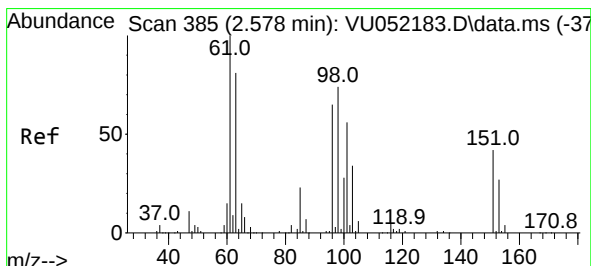
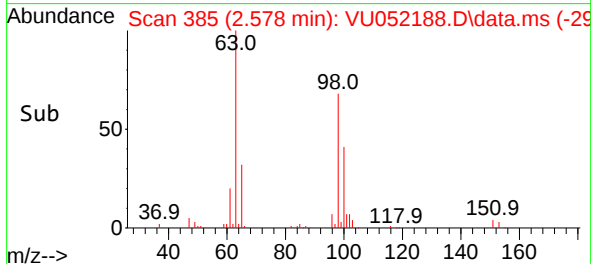
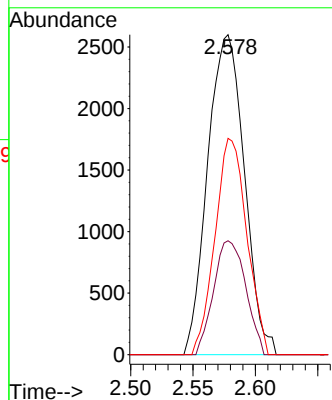
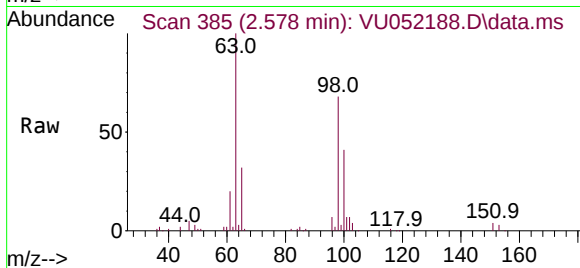
Tgt Ion:101 Resp: 5325

Ion Ratio Lower Upper

101 100

85 31.2 33.8 50.6#

151 58.7 58.6 88.0



#12

1,1-Dichloroethene

Concen: 0.346 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

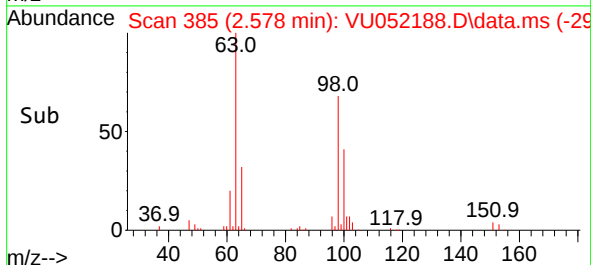
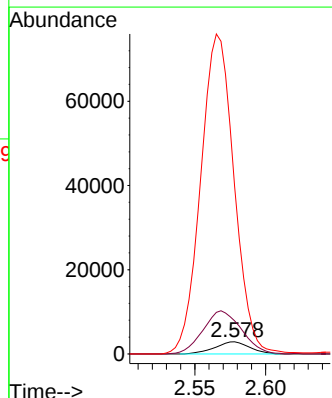
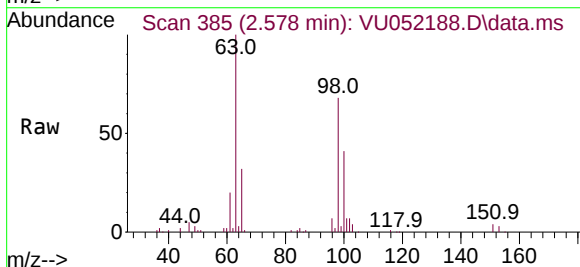
Tgt Ion: 96 Resp: 4913

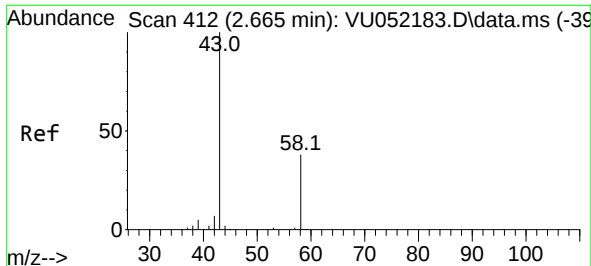
Ion Ratio Lower Upper

96 100

61 270.7 114.8 213.2#

63 1371.5 93.7 174.1#





#13

Acetone

Concen: 1.612 ug/L

RT: 2.671 min Scan# 411

Delta R.T. 0.006 min

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MSVOA_U

ClientSampleId :

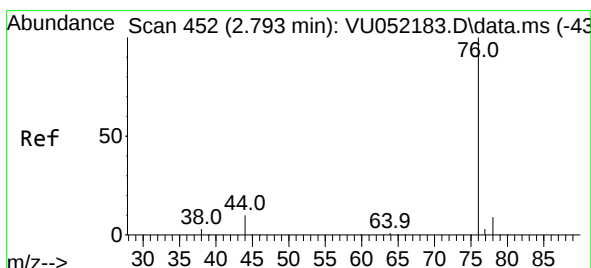
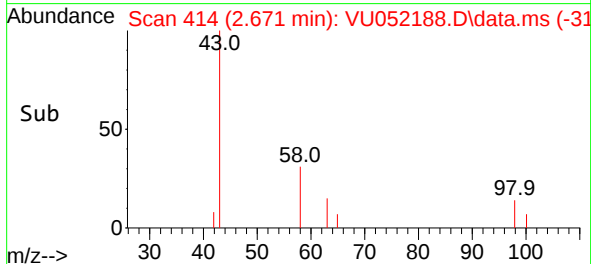
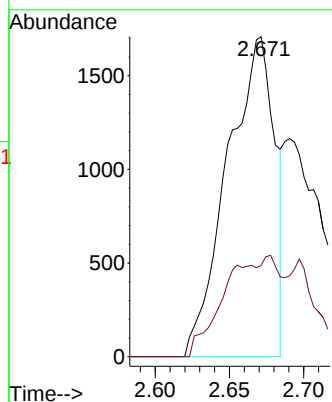
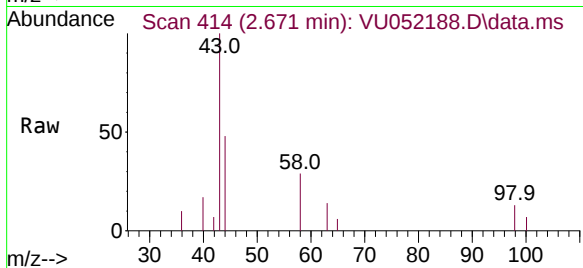
MDL02

Tgt Ion: 43 Resp: 3775

Ion Ratio Lower Upper

43 100

58 38.1 0.0 76.0



#14

Carbon disulfide

Concen: 0.259 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU052188.D

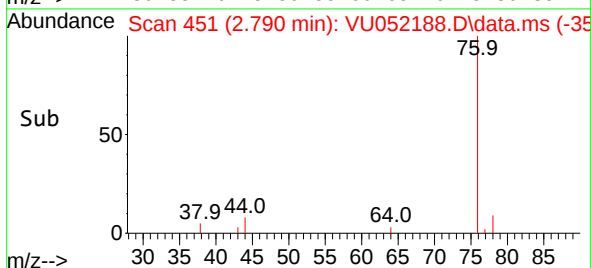
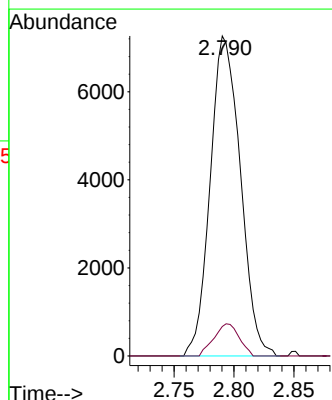
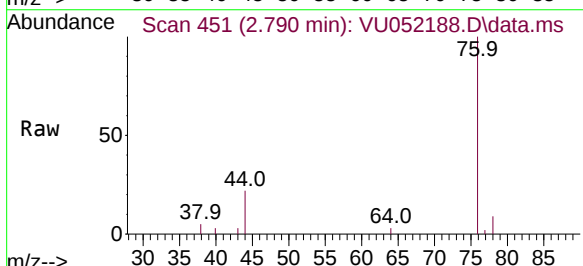
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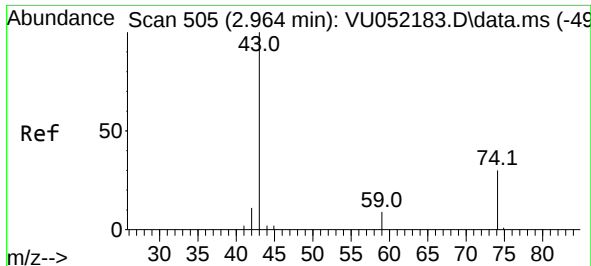
Tgt Ion: 76 Resp: 12700

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

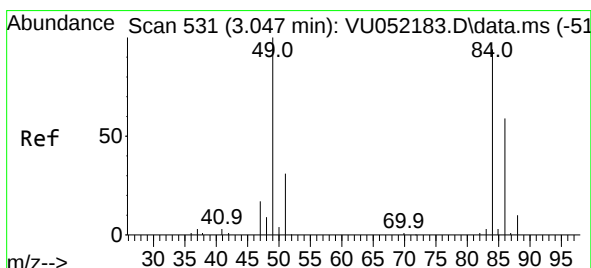
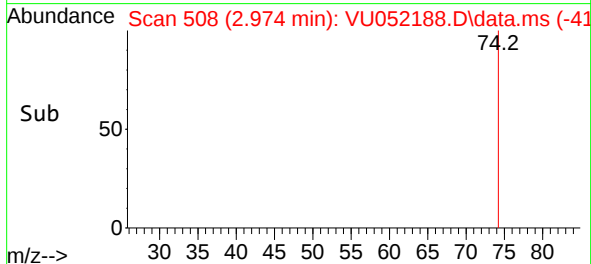
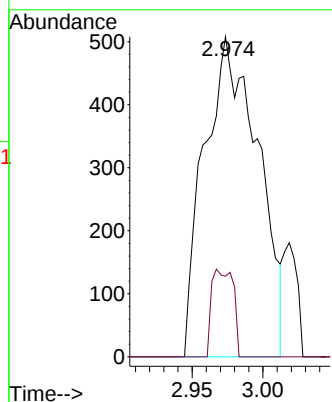
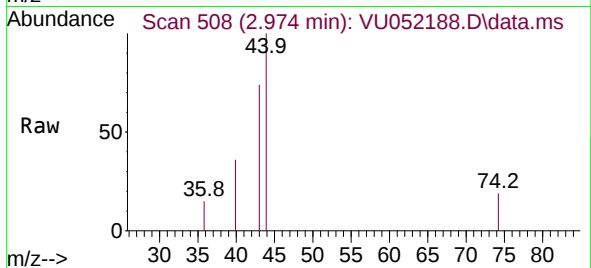




#15
Methyl Acetate
Concen: 0.220 ug/L
RT: 2.974 min Scan# 508
Delta R.T. 0.010 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

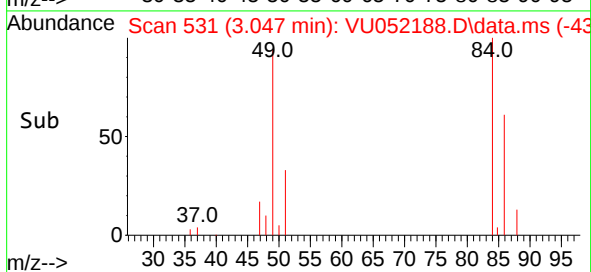
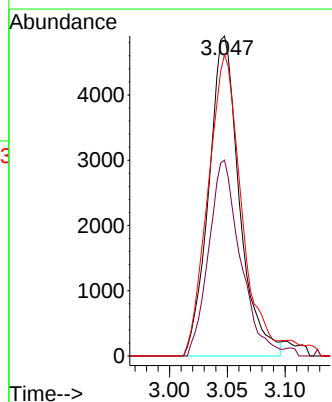
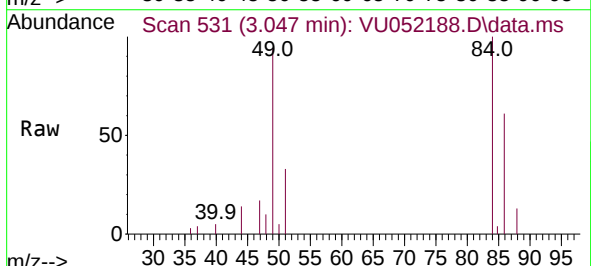
Instrument :
MSVOA_U
ClientSampleId :
MDL02

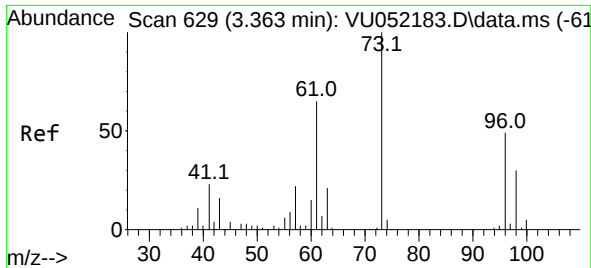
Tgt Ion: 43 Resp: 1337
Ion Ratio Lower Upper
43 100
74 11.0 21.3 31.9#



#16
Methylene chloride
Concen: 0.471 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 84 Resp: 9044
Ion Ratio Lower Upper
84 100
86 61.2 43.8 81.4
49 94.2 75.9 141.1

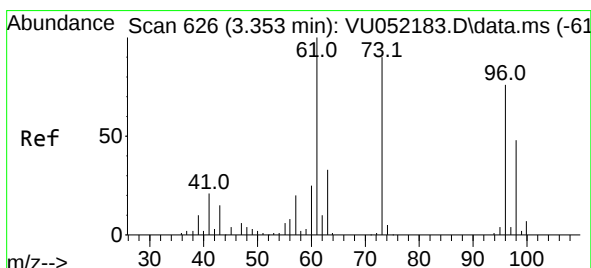
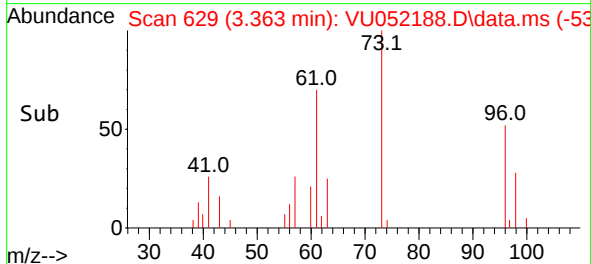
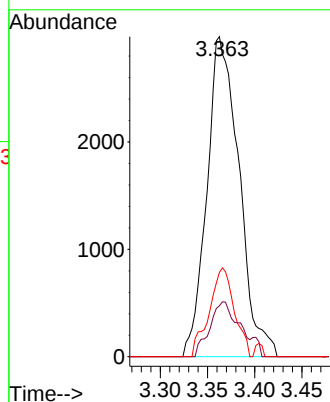
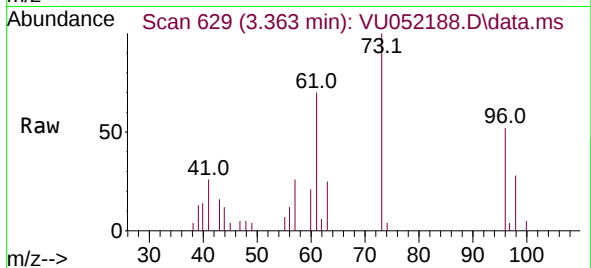




#17
Methyl tert-butyl Ether
Concen: 0.222 ug/L
RT: 3.363 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

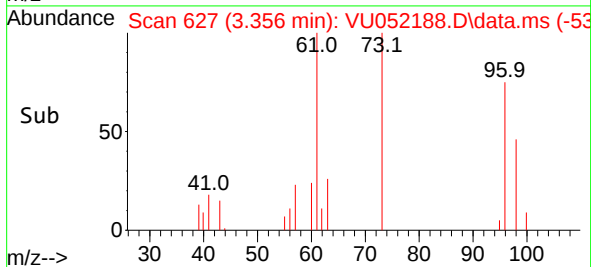
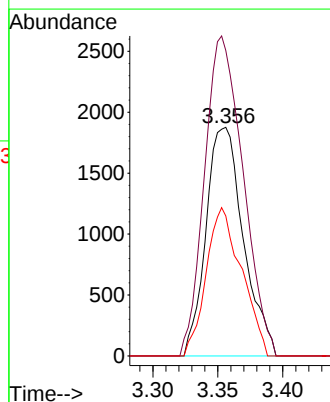
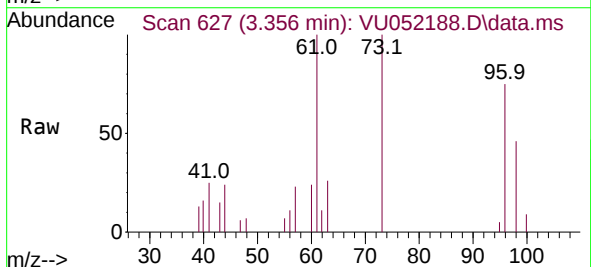
Instrument :
MSVOA_U
ClientSampleId :
MDL02

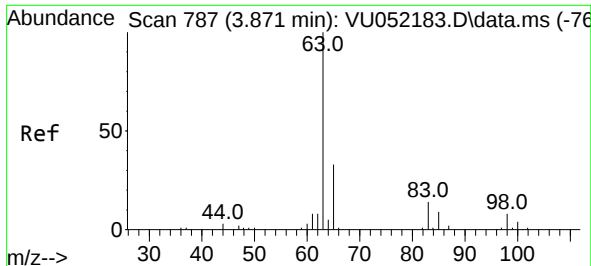
Tgt Ion: 73	Resp:	7064	
Ion	Ratio	Lower	Upper
73	100		
43	15.2	13.2	19.8
57	21.6	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 0.247 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 96	Resp:	3758	
Ion	Ratio	Lower	Upper
96	100		
61	133.6	97.9	181.7
98	61.2	43.8	81.3

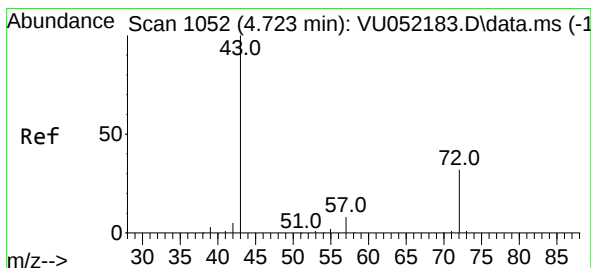
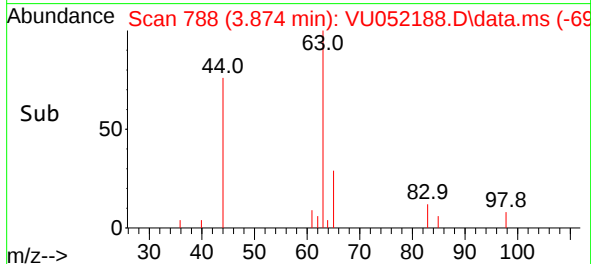
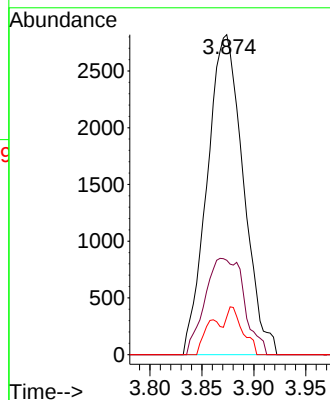
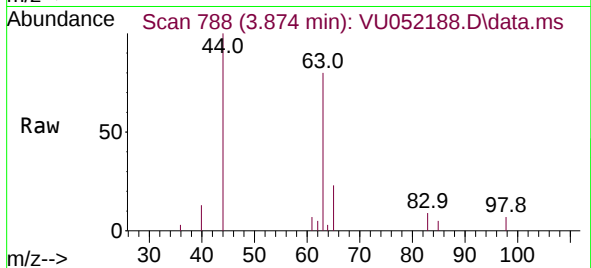




#19
1,1-Dichloroethane
Concen: 0.248 ug/L
RT: 3.874 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

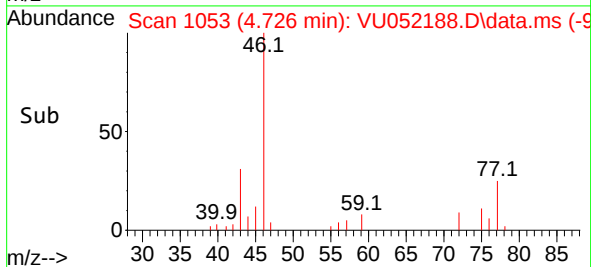
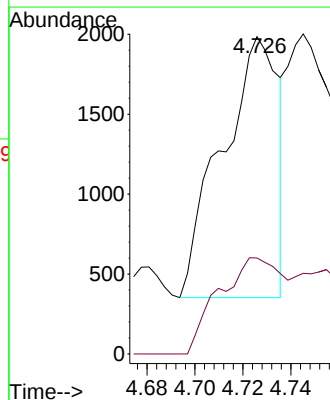
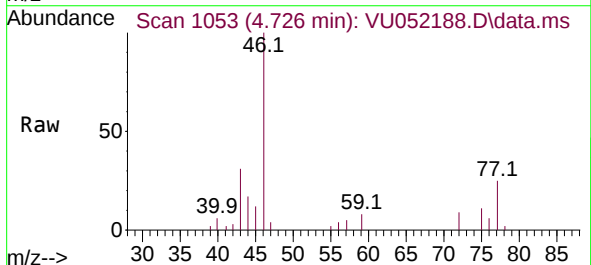
Instrument :
MSVOA_U
ClientSampleId :
MDL02

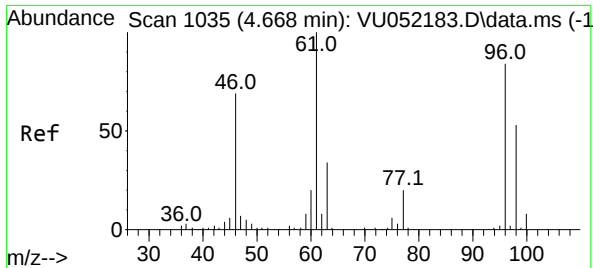
Tgt Ion: 63 Resp: 6799
Ion Ratio Lower Upper
63 100
65 29.5 22.2 41.2
83 11.8 9.2 17.0



#21
2-Butanone
Concen: 0.708 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
72 41.9 15.6 46.8

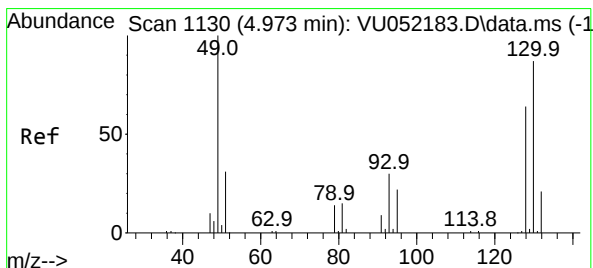
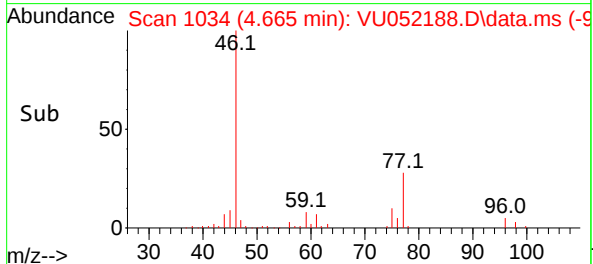
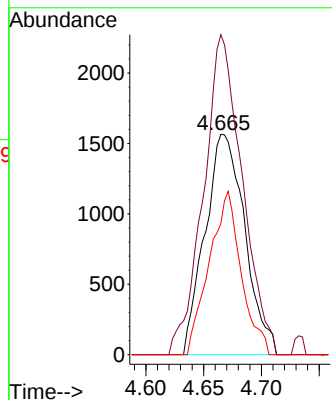
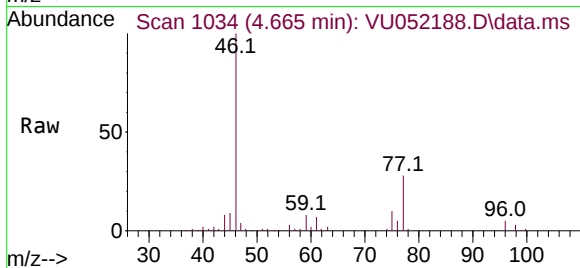




#22
cis-1,2-Dichloroethene
Concen: 0.235 ug/L
RT: 4.665 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

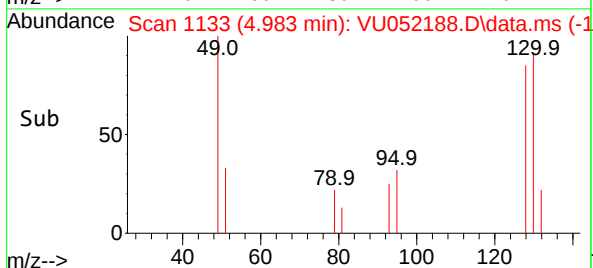
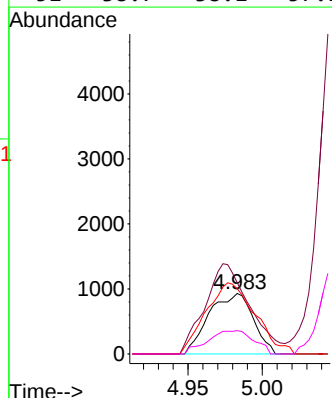
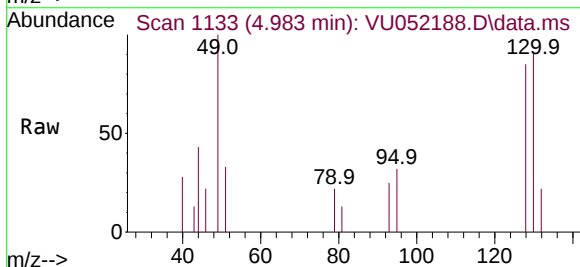
Instrument :
MSVOA_U
ClientSampleId :
MDL02

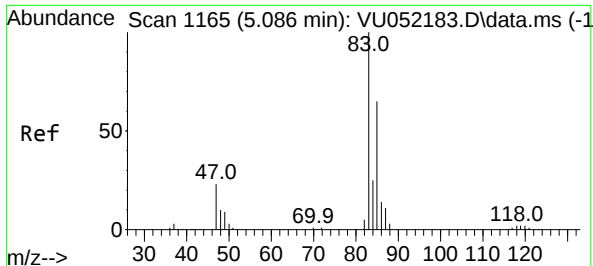
Tgt Ion: 96	Resp:	3753	
Ion	Ratio	Lower	Upper
96	100		
61	145.2	85.1	158.1
98	59.4	42.8	79.6



#23
Bromochloromethane
Concen: 0.251 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt	Ion:128	Resp:	1917
Ion	Ratio	Lower	Upper
128	100		
49	118.2	104.0	193.2
130	107.7	84.6	157.2
51	38.7	38.1	57.1





#25

Chloroform

Concen: 0.291 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

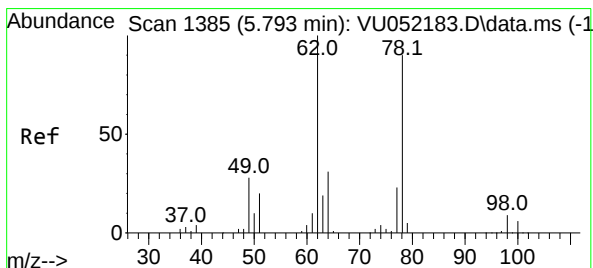
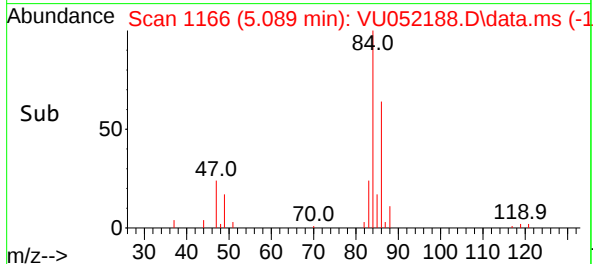
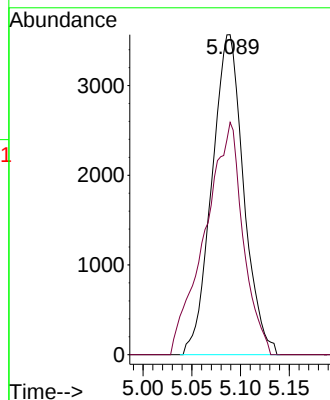
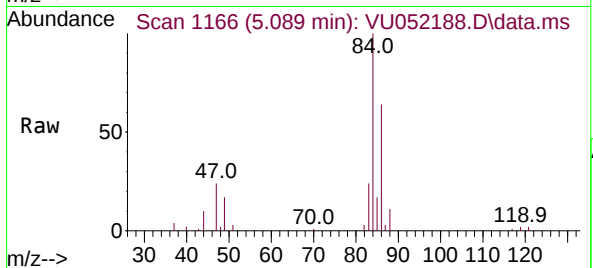
MDL02

Tgt Ion: 83 Resp: 8082

Ion Ratio Lower Upper

83 100

85 72.6 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.280 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU052188.D

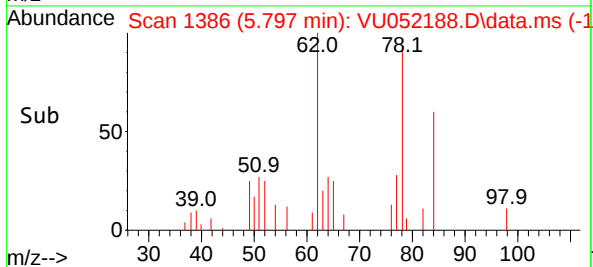
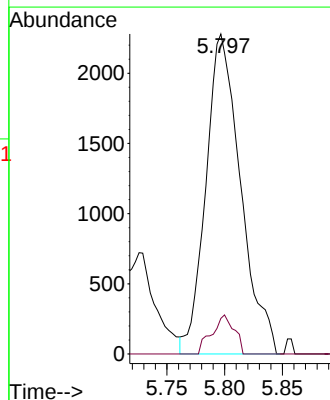
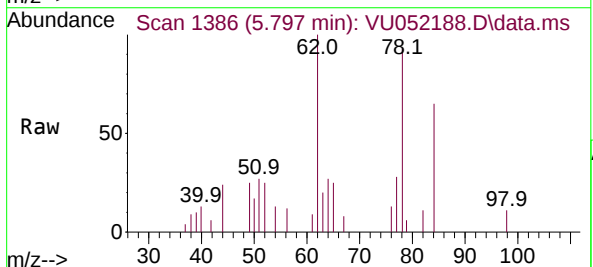
Acq: 06 Dec 2022 13:10

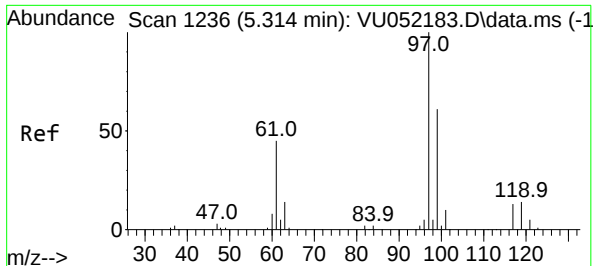
Tgt Ion: 62 Resp: 4766

Ion Ratio Lower Upper

62 100

98 11.1 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 0.257 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

MDL02

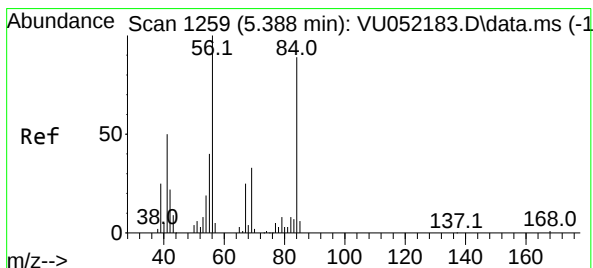
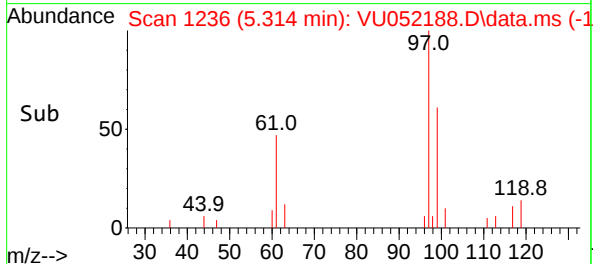
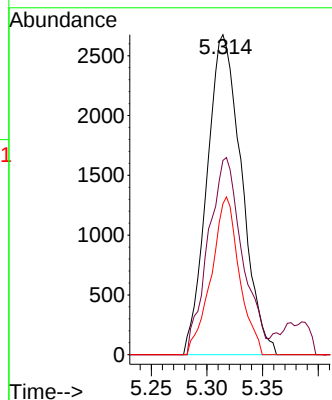
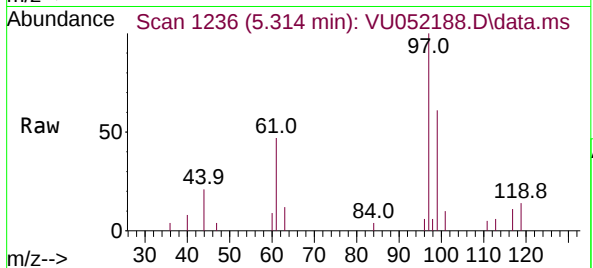
Tgt Ion: 97 Resp: 5781

Ion Ratio Lower Upper

97 100

99 61.5 51.0 76.6

61 40.0 36.9 55.3



#30

Cyclohexane

Concen: 0.197 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

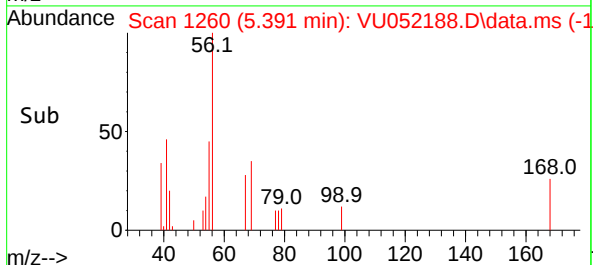
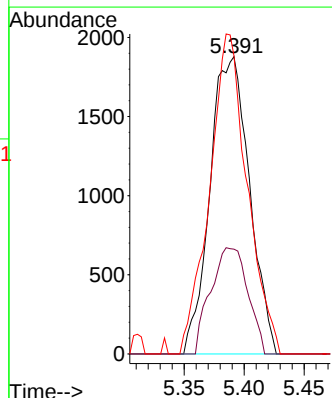
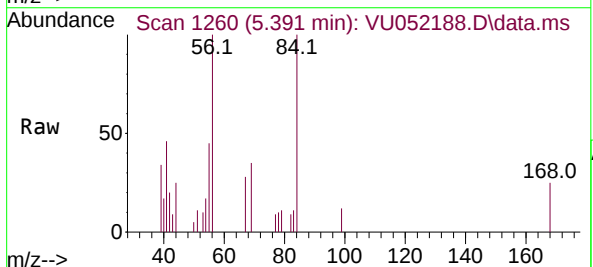
Tgt Ion: 56 Resp: 4301

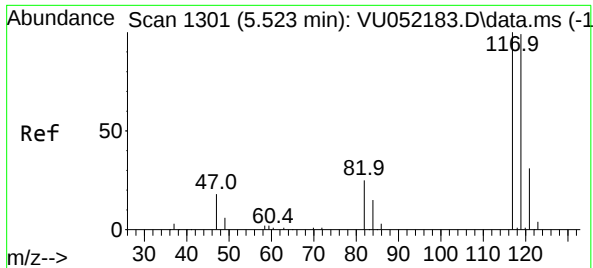
Ion Ratio Lower Upper

56 100

69 33.6 25.6 38.4

84 102.6 72.0 108.0

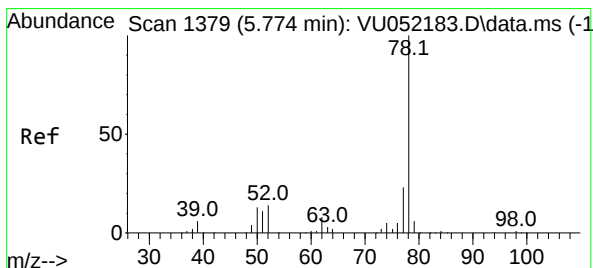
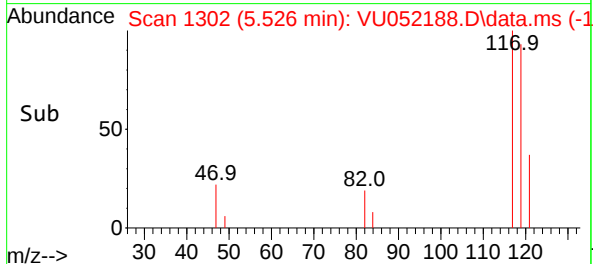
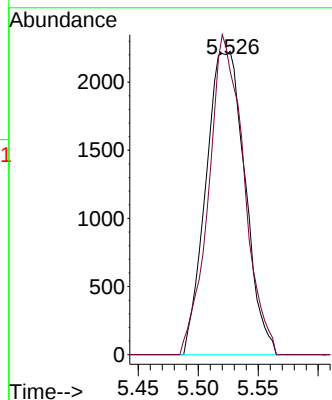
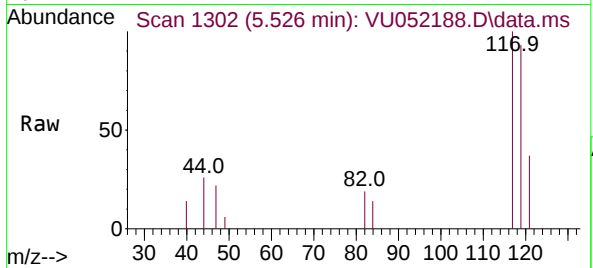




#31
Carbon tetrachloride
Concen: 0.263 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

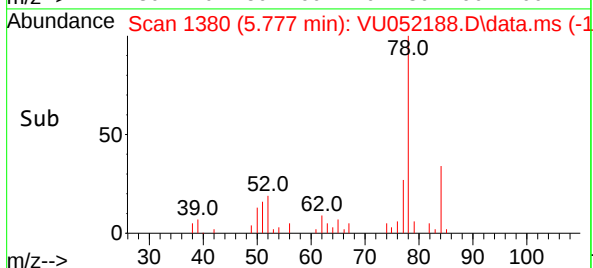
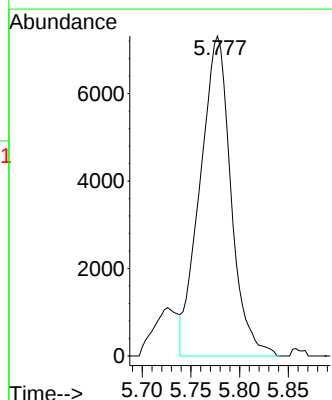
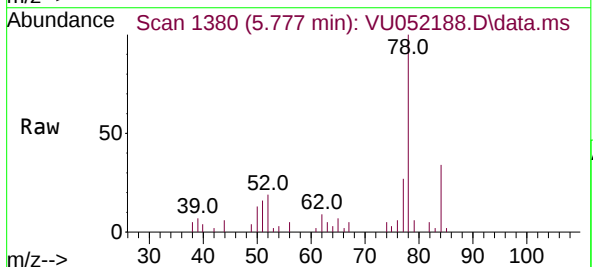
Instrument :
MSVOA_U
ClientSampleId :
MDL02

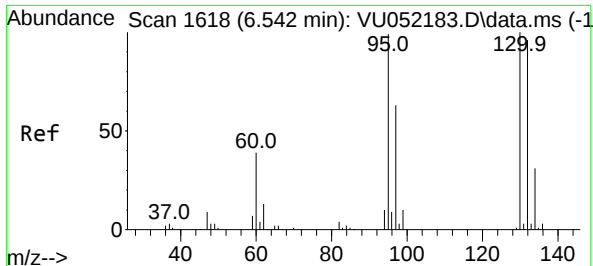
Tgt Ion:117 Resp: 5035
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8



#33
Benzene
Concen: 0.244 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 78 Resp: 16114



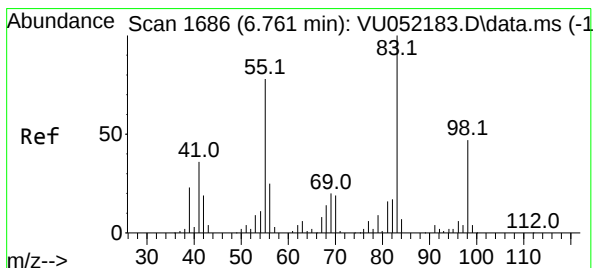
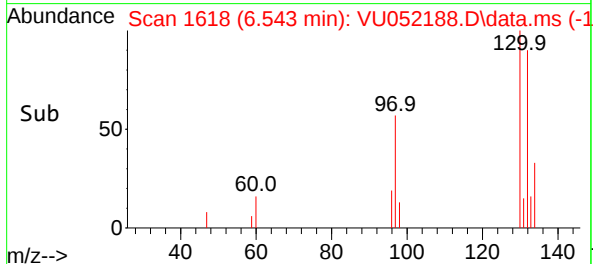
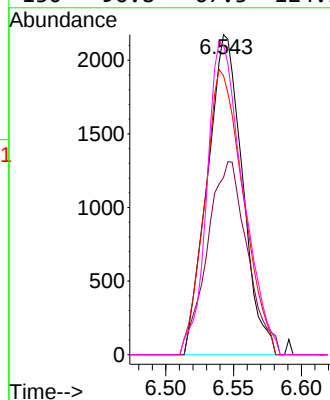
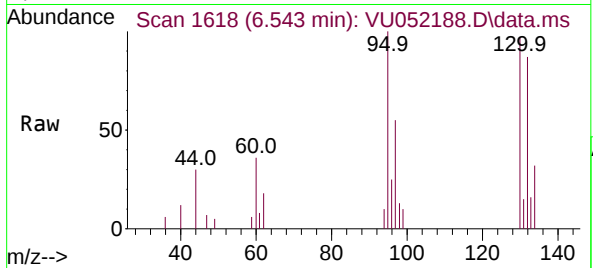


#34
Trichloroethene
Concen: 0.237 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 95 Resp: 3905

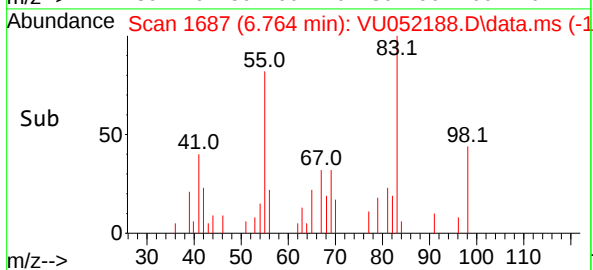
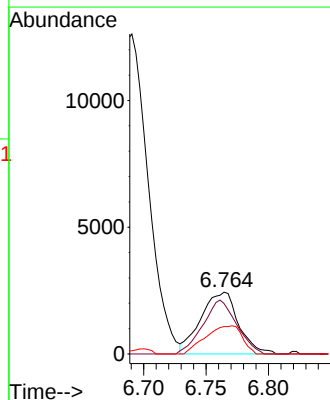
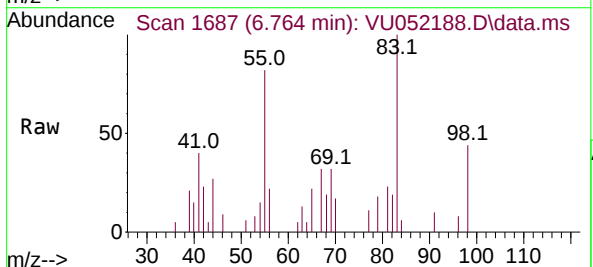
Ion	Ratio	Lower	Upper
95	100		
97	55.4	43.7	81.1
132	87.1	64.3	119.3
130	96.8	67.3	124.9

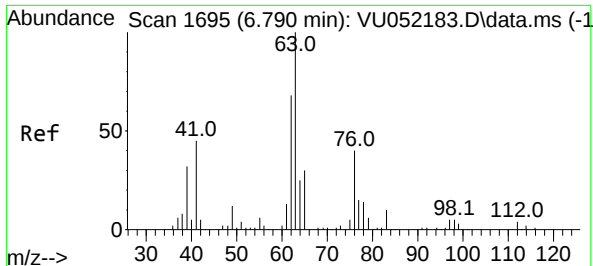


#35
Methylcyclohexane
Concen: 0.217 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 83 Resp: 5130

Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.8	91.2
98	44.1	35.1	52.7





#37

1,2-Dichloropropane

Concen: 0.249 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

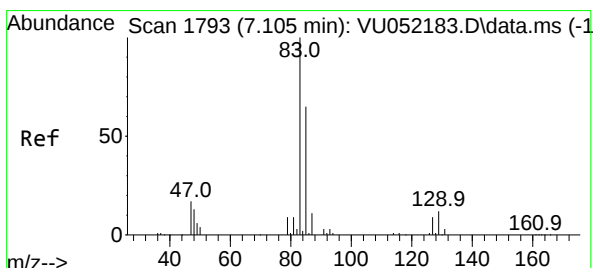
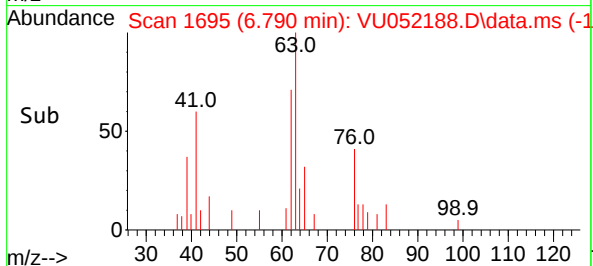
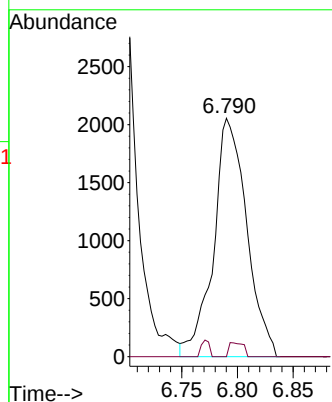
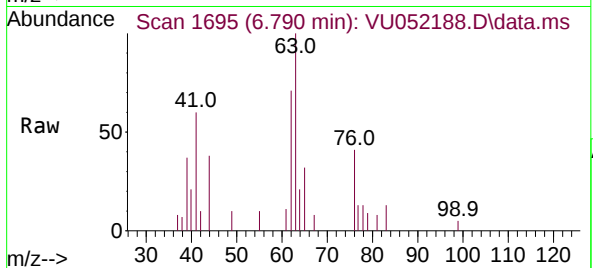
MDL02

Tgt Ion: 63 Resp: 4251

Ion Ratio Lower Upper

63 100

112 2.6 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.244 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

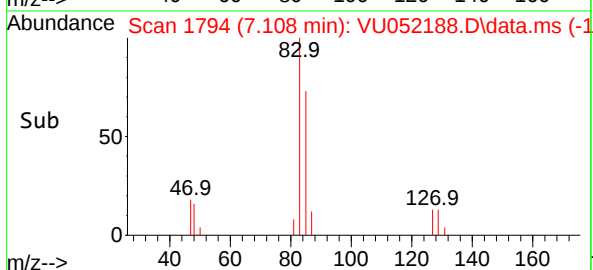
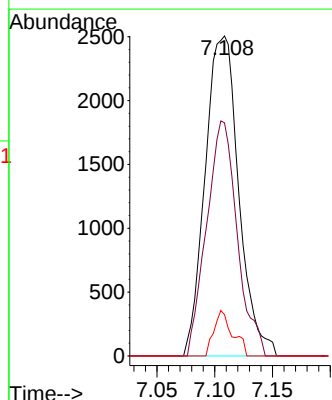
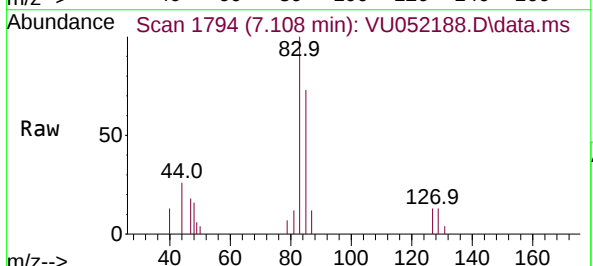
Tgt Ion: 83 Resp: 5076

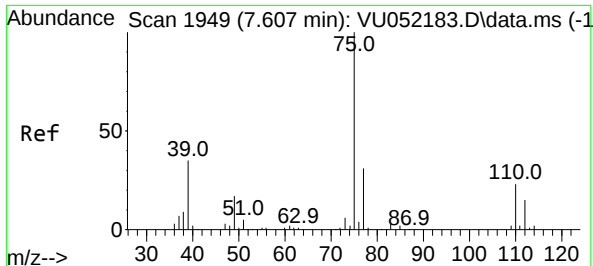
Ion Ratio Lower Upper

83 100

85 72.9 43.5 80.9

127 12.9 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.206 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

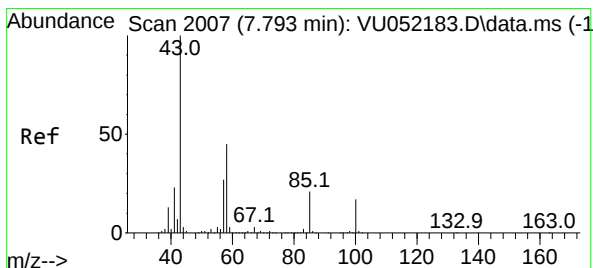
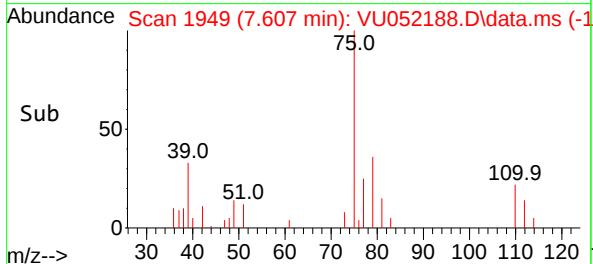
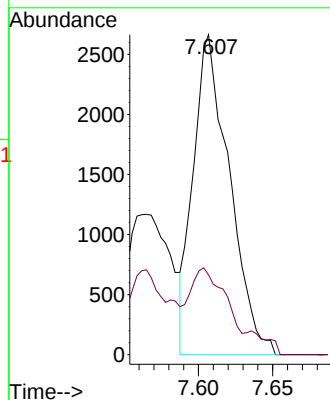
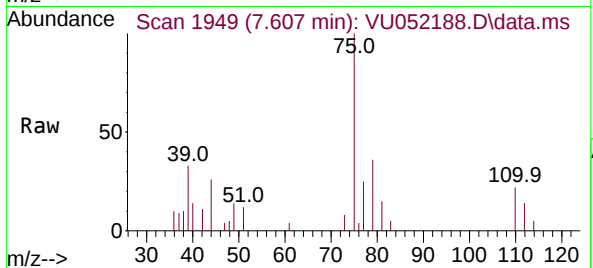
MDL02

Tgt Ion: 75 Resp: 4516

Ion Ratio Lower Upper

75 100

77 25.0 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 1.640 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

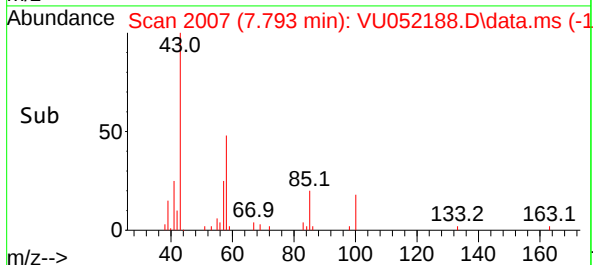
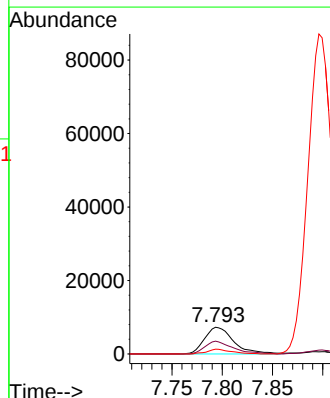
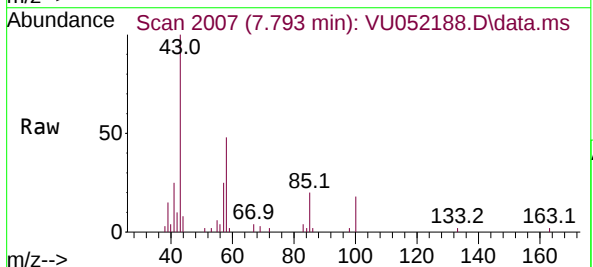
Tgt Ion: 43 Resp: 14643

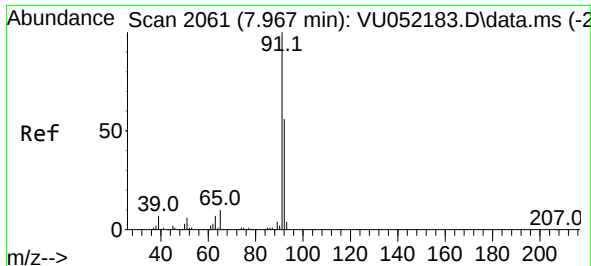
Ion Ratio Lower Upper

43 100

58 45.8 35.3 52.9

100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.212 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

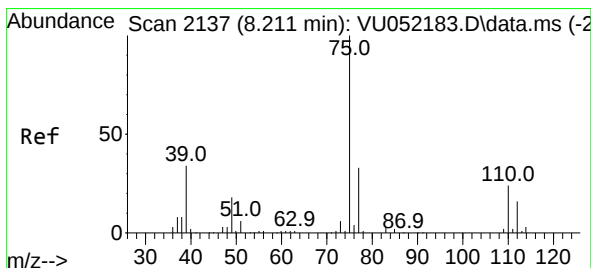
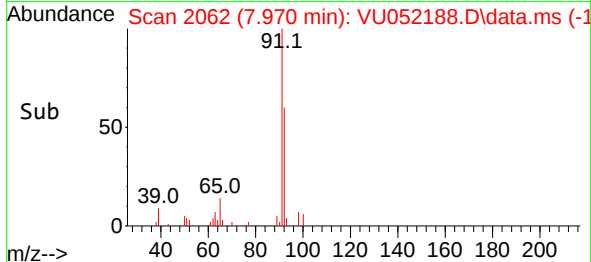
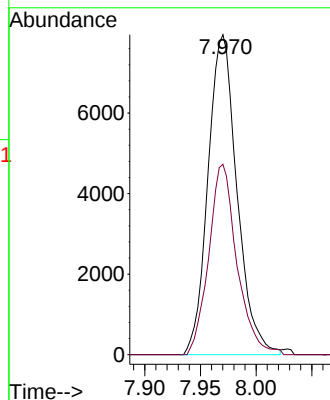
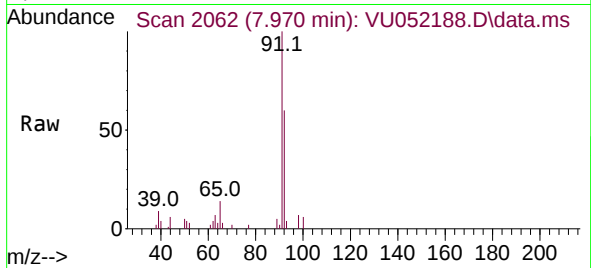
MDL02

Tgt Ion: 91 Resp: 14381

Ion Ratio Lower Upper

91 100

92 59.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.235 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU052188.D

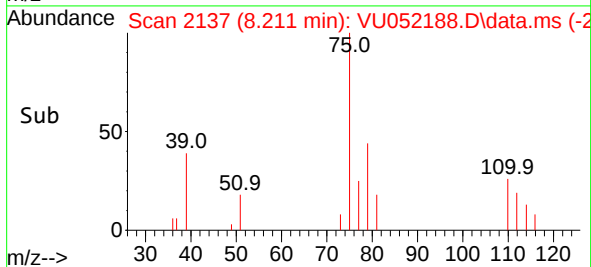
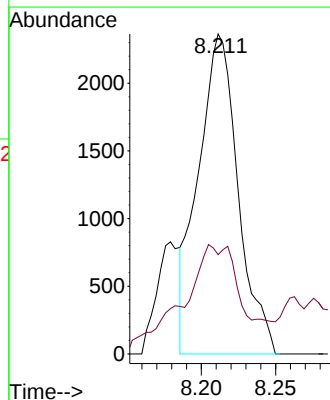
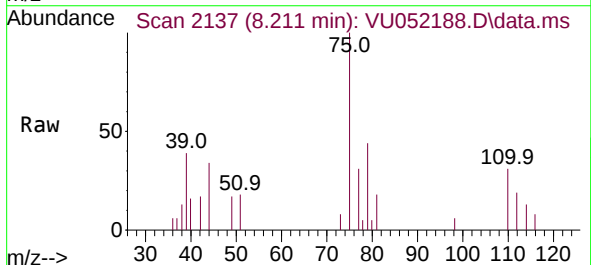
Acq: 06 Dec 2022 13:10

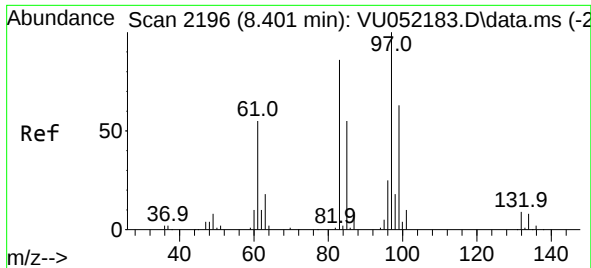
Tgt Ion: 75 Resp: 4422

Ion Ratio Lower Upper

75 100

77 31.0 22.6 42.0

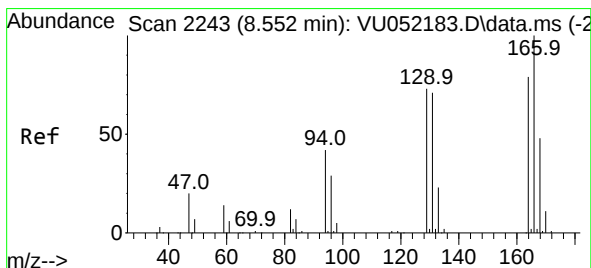
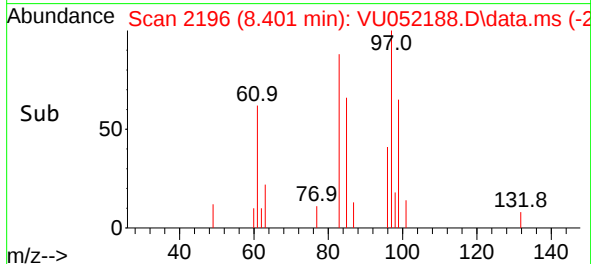
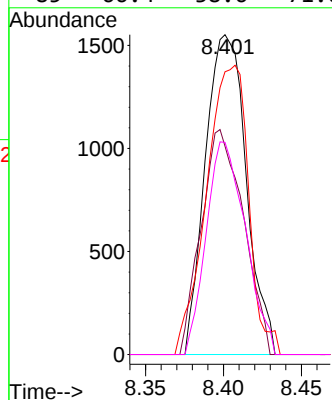
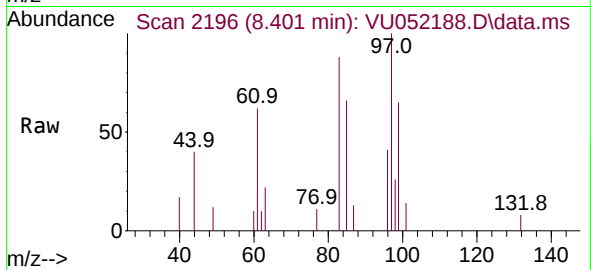




#45
1,1,2-Trichloroethane
Concen: 0.221 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

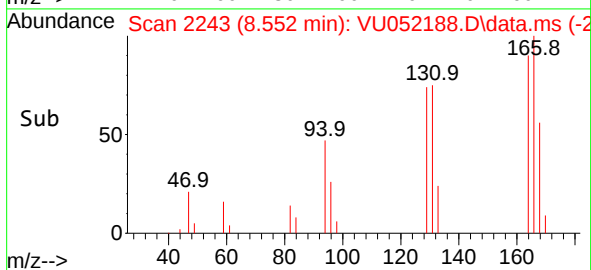
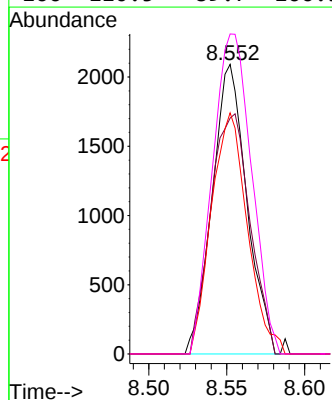
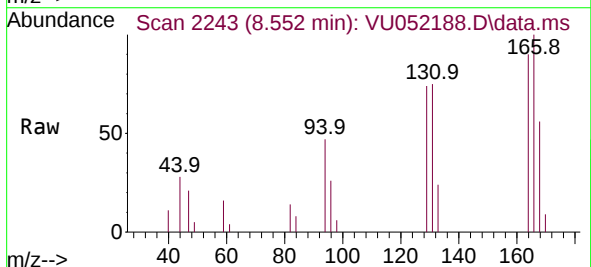
Instrument :
MSVOA_U
ClientSampleId :
MDL02

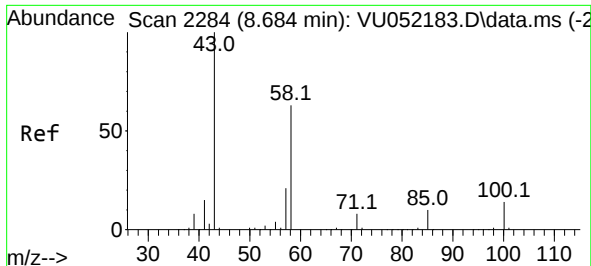
Tgt Ion:	97	Resp:	2840
Ion	Ratio	Lower	Upper
97	100		
99	65.1	42.6	79.2
83	88.4	60.7	112.7
85	66.4	38.6	71.6



#47
Tetrachloroethene
Concen: 0.256 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:	164	Resp:	3229
Ion	Ratio	Lower	Upper
164	100		
129	81.4	67.4	125.2
131	83.3	67.1	124.7
166	110.5	89.7	166.5

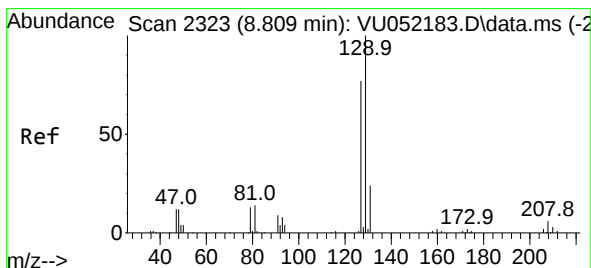
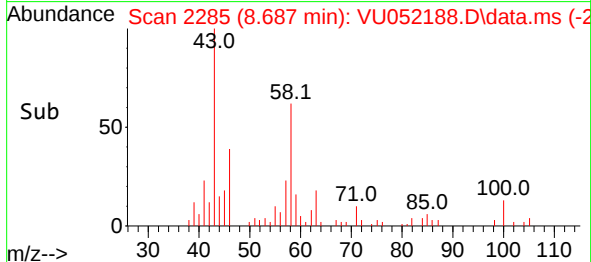
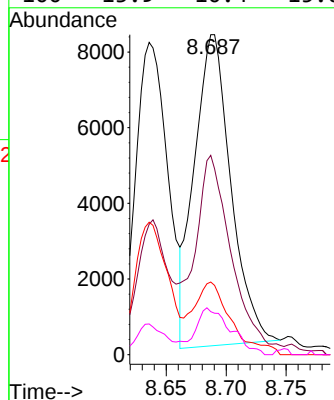
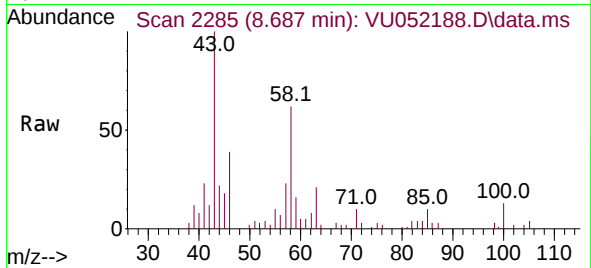




#48
2-Hexanone
Concen: 2.666 ug/L
RT: 8.687 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

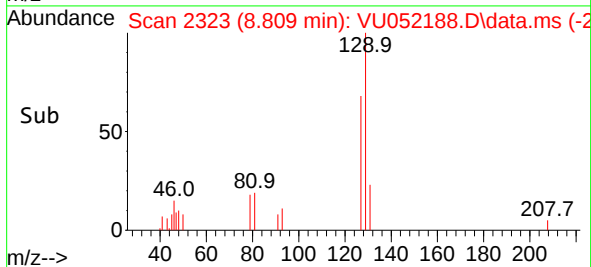
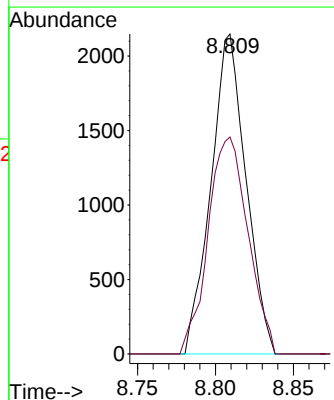
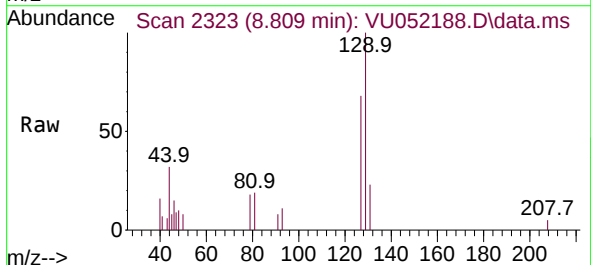
Instrument :
MSVOA_U
ClientSampleId :
MDL02

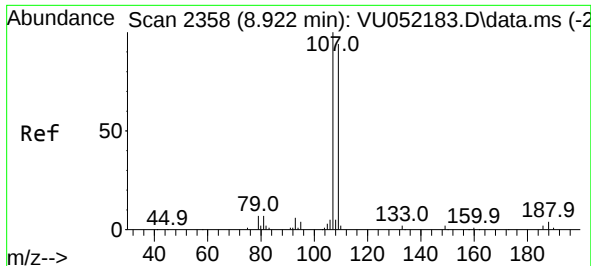
Tgt Ion: 43	Resp: 17450
Ion Ratio	Lower Upper
43 100	
58 57.9	49.4 74.0
57 23.8	16.3 24.5
100 13.9	10.4 15.6



#49
Dibromochloromethane
Concen: 0.234 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:129	Resp:	3368	
Ion	Ratio	Lower	Upper
129	100		
127	67.8	52.8	98.2





#50

1,2-Dibromoethane

Concen: 0.238 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

MDL02

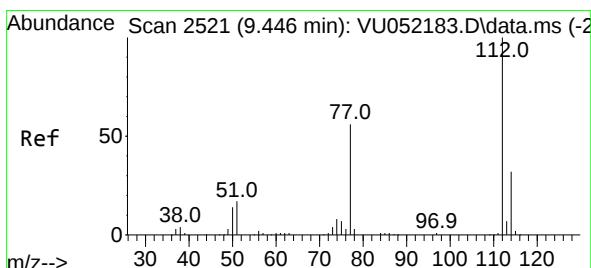
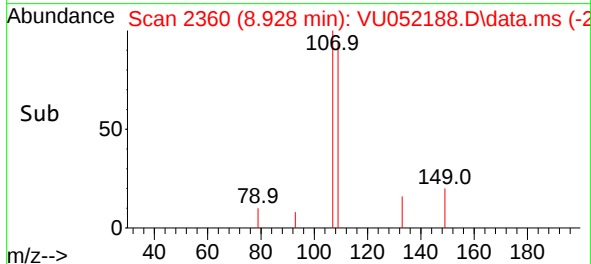
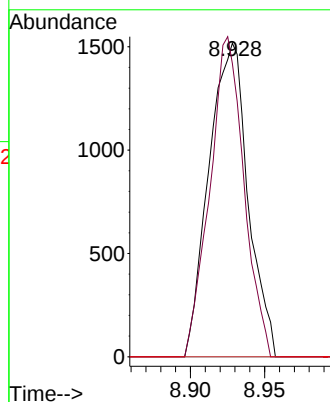
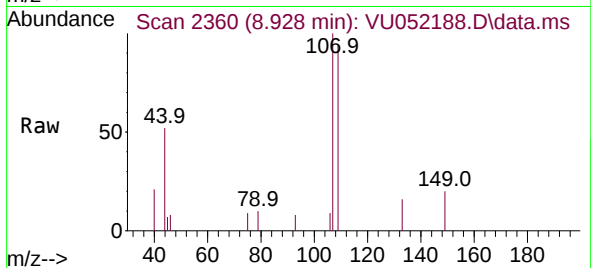
Tgt Ion:107 Resp: 2787

Ion Ratio Lower Upper

107 100

109 93.6 64.9 120.5

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.244 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

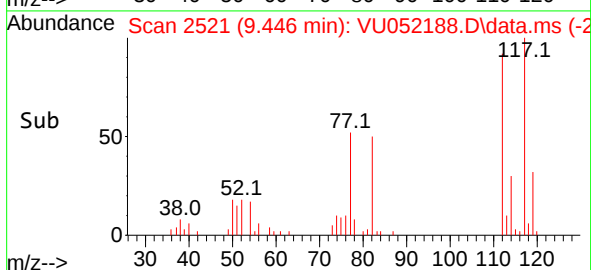
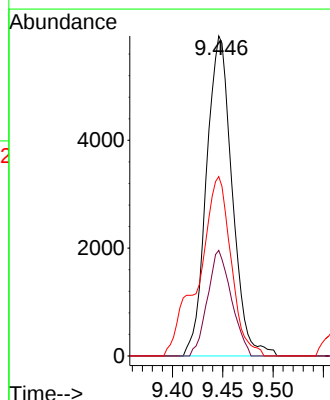
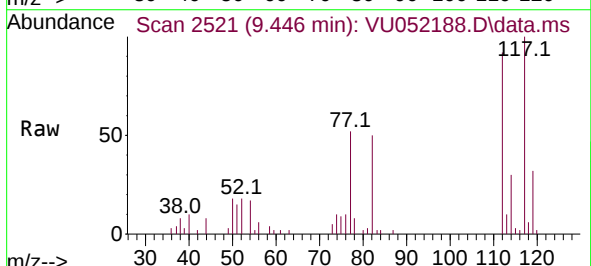
Tgt Ion:112 Resp: 10559

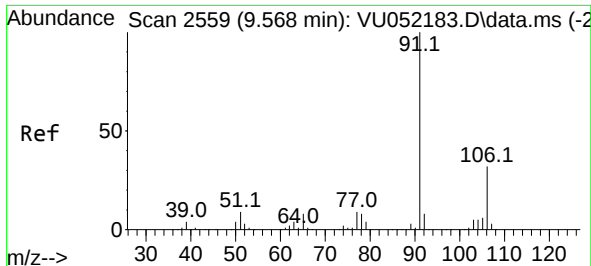
Ion Ratio Lower Upper

112 100

114 33.0 22.2 41.2

77 56.0 46.6 70.0

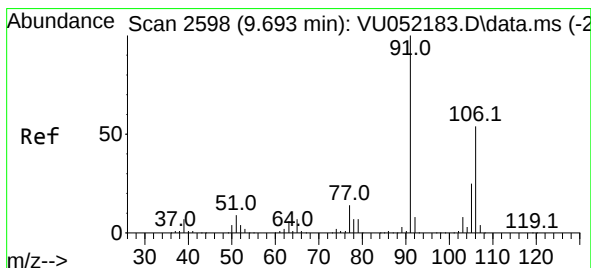
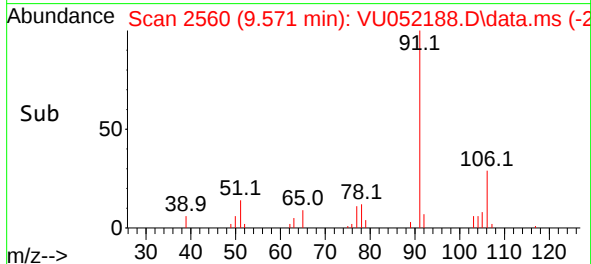
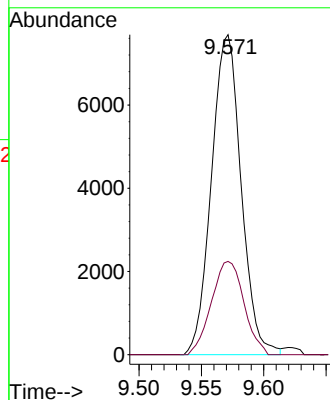
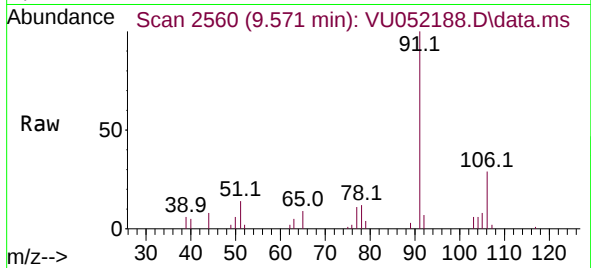




#52
Ethylbenzene
Concen: 0.193 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

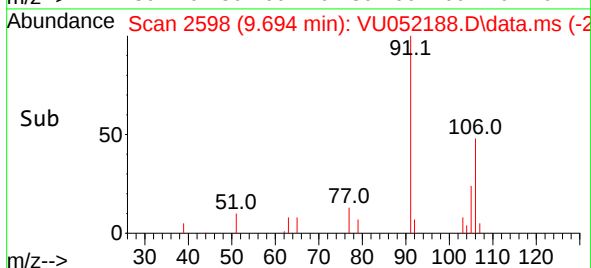
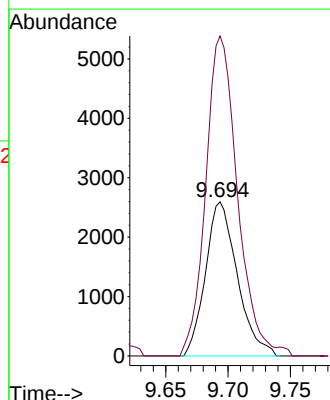
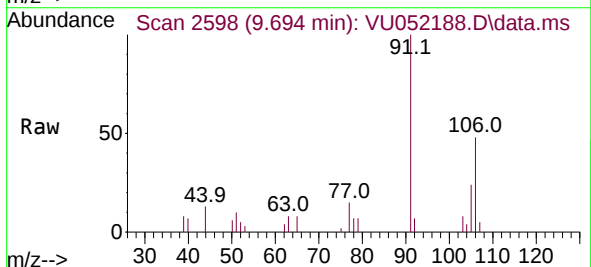
Instrument :
MSVOA_U
ClientSampleId :
MDL02

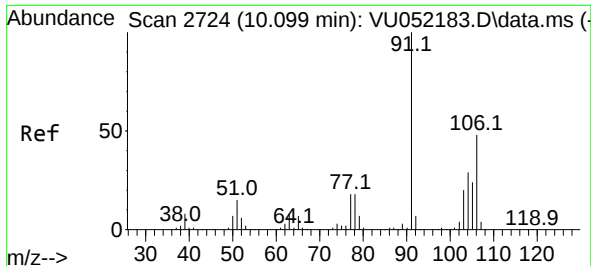
Tgt Ion: 91 Resp: 12749
Ion Ratio Lower Upper
91 100
106 29.1 22.3 41.3



#53
m,p-Xylene
Concen: 0.180 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion: 106 Resp: 4606
Ion Ratio Lower Upper
106 100
91 207.7 137.7 255.7

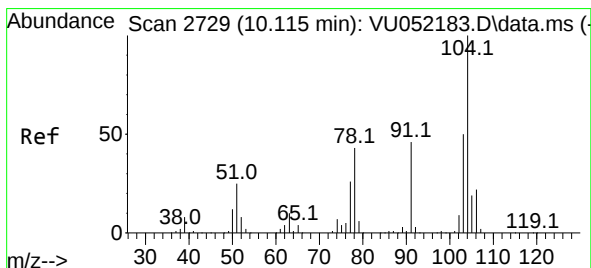
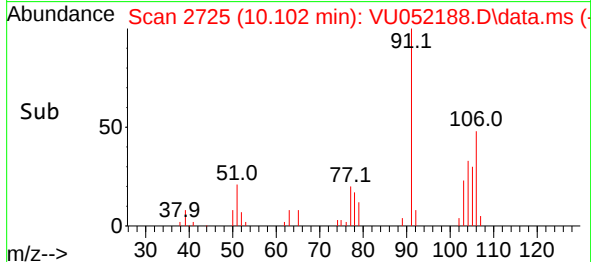
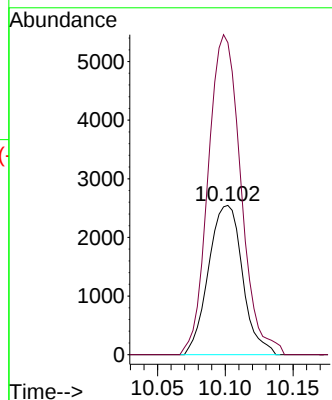
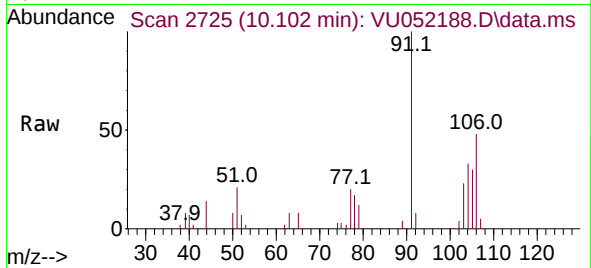




#54
o-Xylene
Concen: 0.181 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

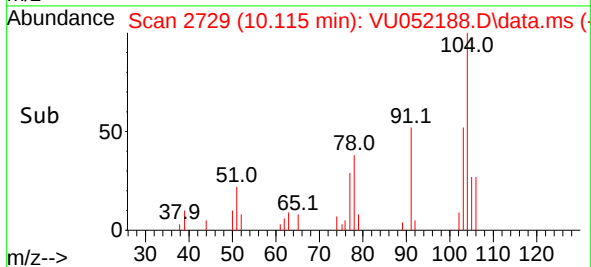
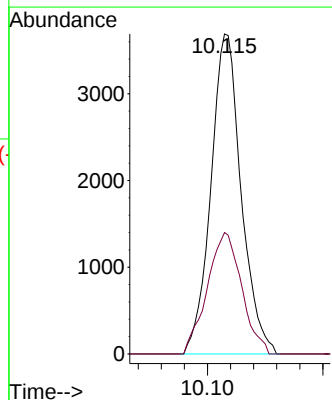
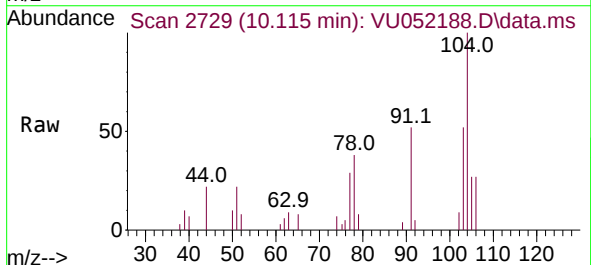
Instrument :
MSVOA_U
ClientSampleId :
MDL02

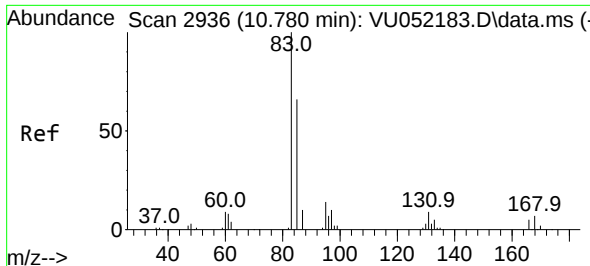
Tgt Ion:106 Resp: 4445
Ion Ratio Lower Upper
106 100
91 209.0 151.5 281.5



#55
Styrene
Concen: 0.162 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:104 Resp: 6717
Ion Ratio Lower Upper
104 100
78 37.9 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.255 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

MDL02

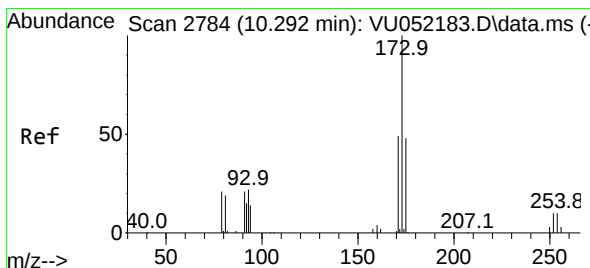
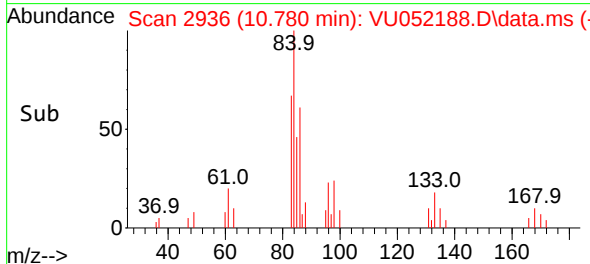
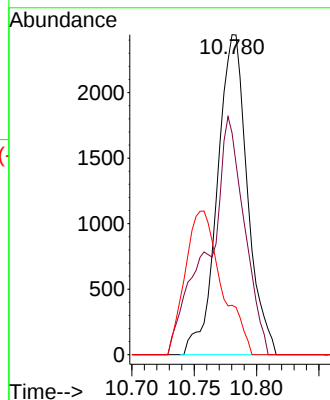
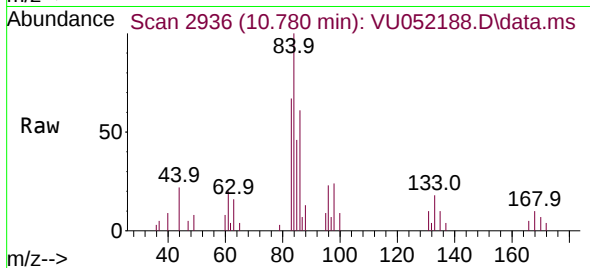
Tgt Ion: 83 Resp: 4098

Ion Ratio Lower Upper

83 100

85 69.3 45.7 84.9

131 15.5 7.6 11.4#



#59

Bromoform

Concen: 0.303 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

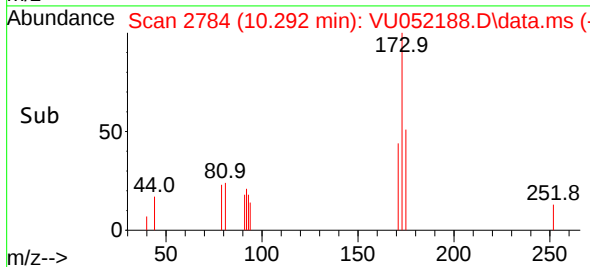
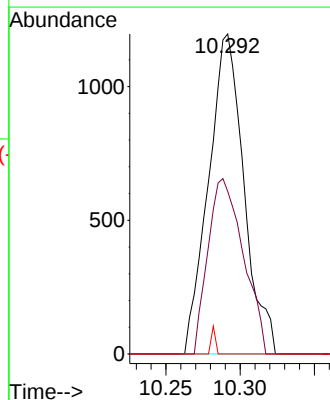
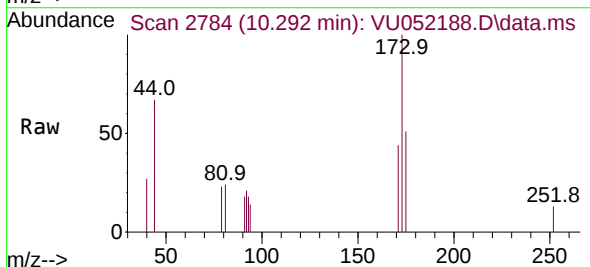
Tgt Ion: 173 Resp: 1981

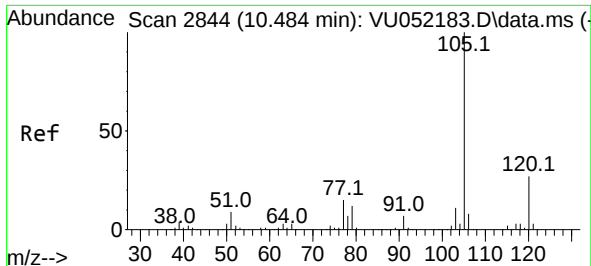
Ion Ratio Lower Upper

173 100

175 54.7 37.2 55.8

254 1.0 7.0 10.6#

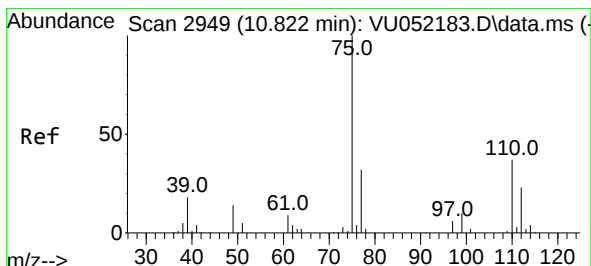
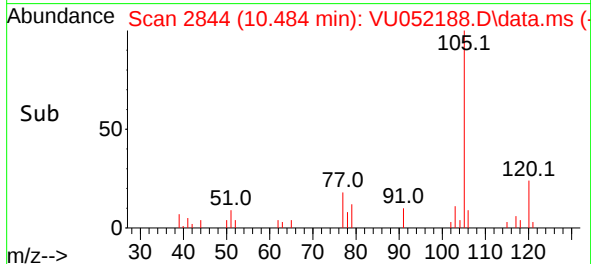
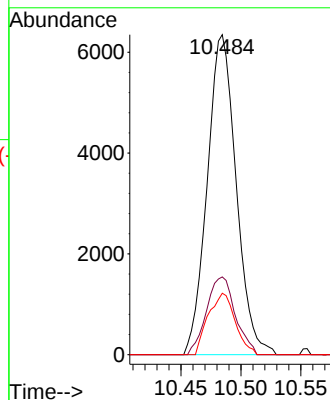
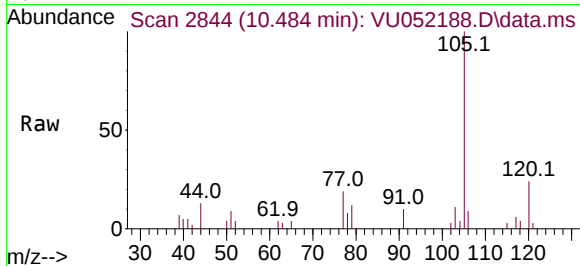




#60
Isopropylbenzene
Concen: 0.214 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

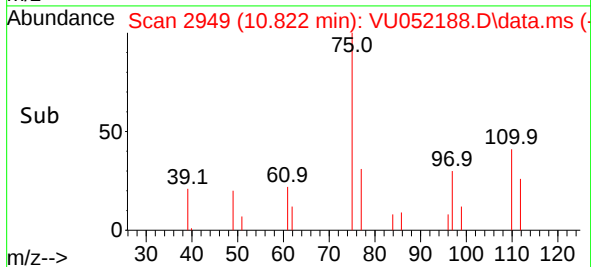
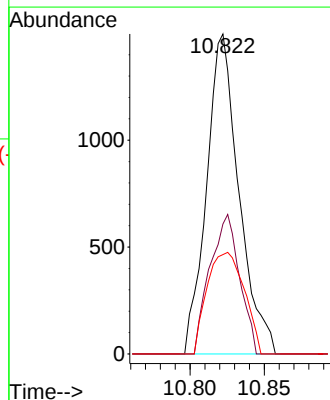
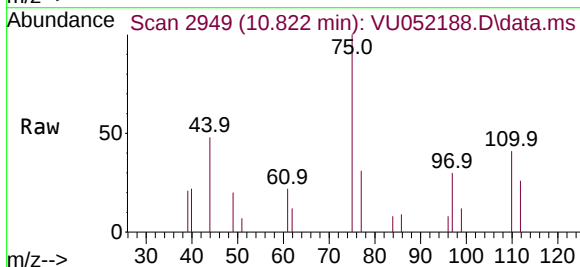
Instrument :
MSVOA_U
ClientSampleId :
MDL02

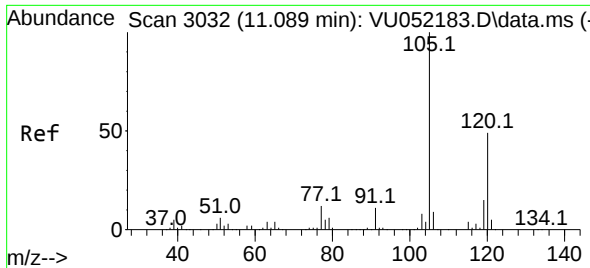
Tgt Ion:	105	Resp:	10659
Ion Ratio	Lower	Upper	
105	100		
120	24.2	21.0	31.6
77	17.9	12.5	18.7



#61
1,2,3-Trichloropropane
Concen: 0.250 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:	75	Resp:	2268
Ion Ratio	Lower	Upper	
75	100		
110	39.9	28.3	42.5
77	36.4	26.2	39.2

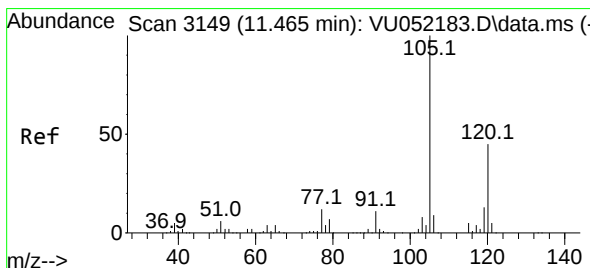
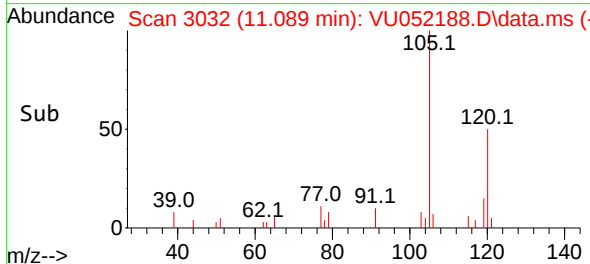
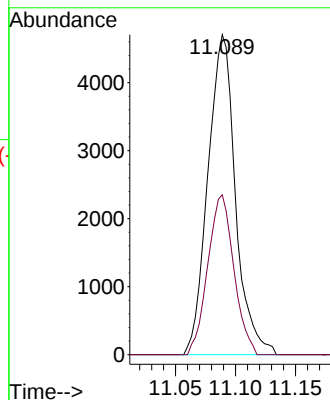
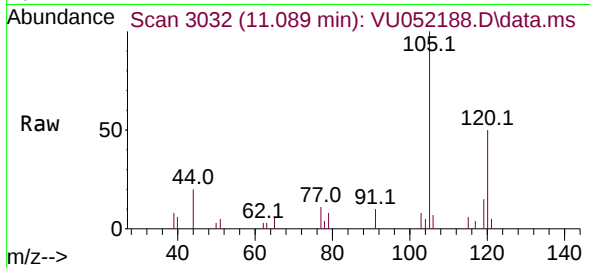




#62
1,3,5-Trimethylbenzene
Concen: 0.189 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

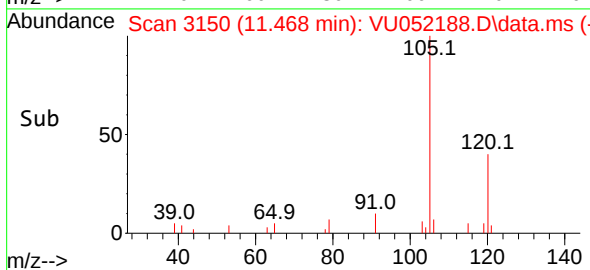
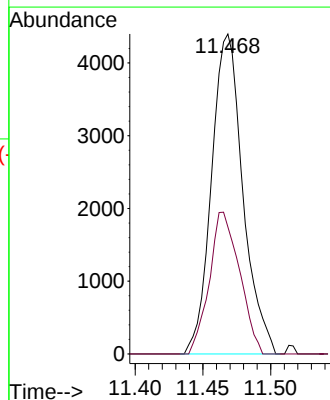
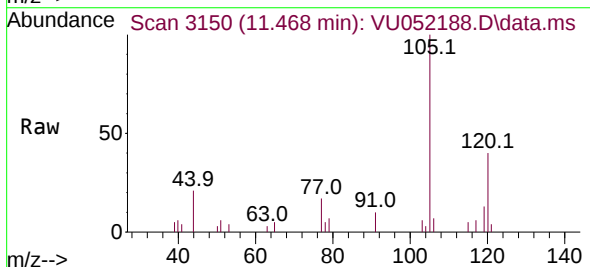
Instrument :
MSVOA_U
ClientSampleId :
MDL02

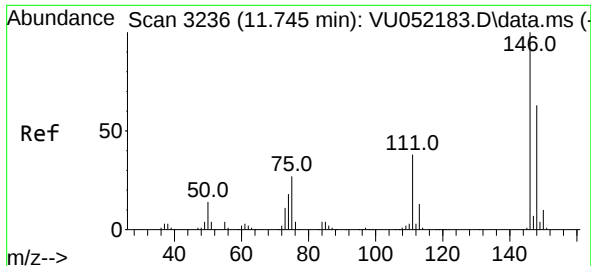
Tgt Ion:105 Resp: 7514
Ion Ratio Lower Upper
105 100
120 47.2 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 0.179 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:105 Resp: 7073
Ion Ratio Lower Upper
105 100
120 42.6 36.6 55.0

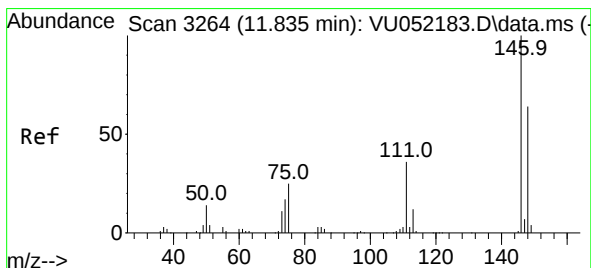
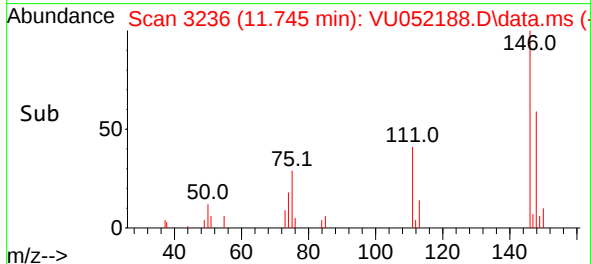
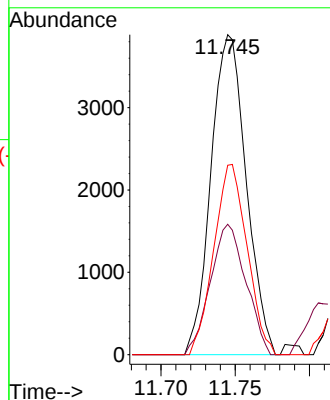
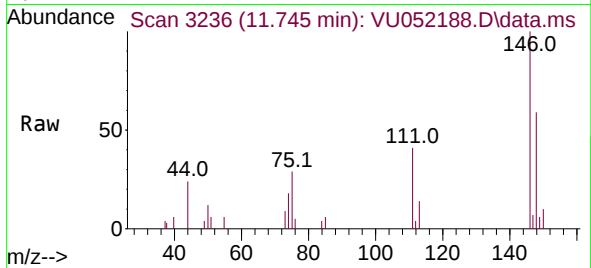




#64
1,3-Dichlorobenzene
Concen: 0.252 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

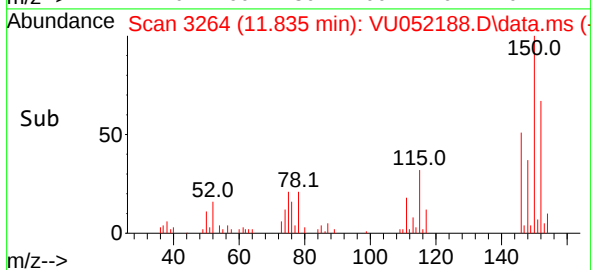
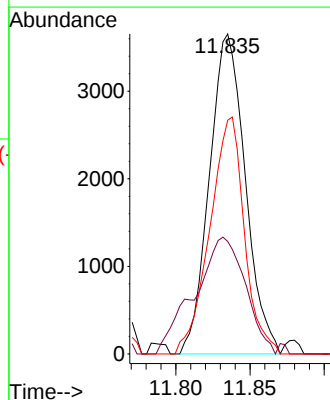
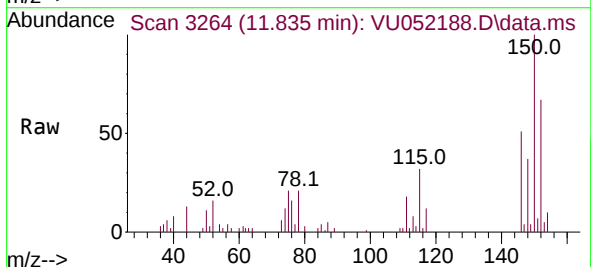
Instrument :
MSVOA_U
ClientSampleId :
MDL02

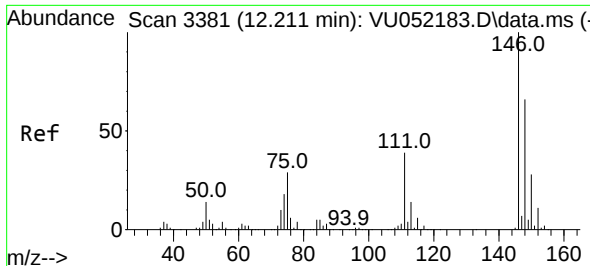
Tgt Ion:146 Resp: 6414
Ion Ratio Lower Upper
146 100
111 40.8 28.6 53.2
148 59.2 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.242 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:146 Resp: 6142
Ion Ratio Lower Upper
146 100
111 35.2 26.9 50.1
148 73.1 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.259 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

Instrument :

MSVOA_U

ClientSampleId :

MDL02

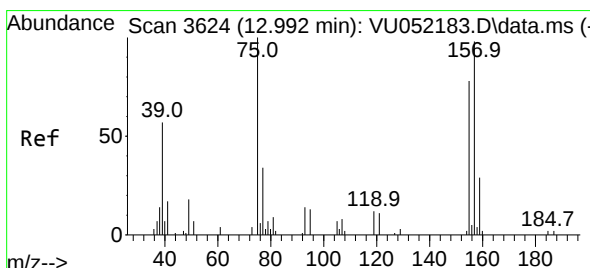
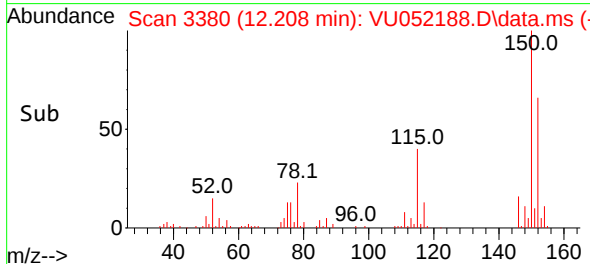
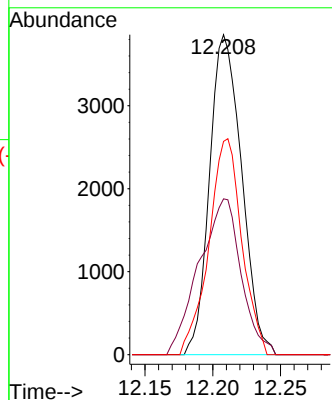
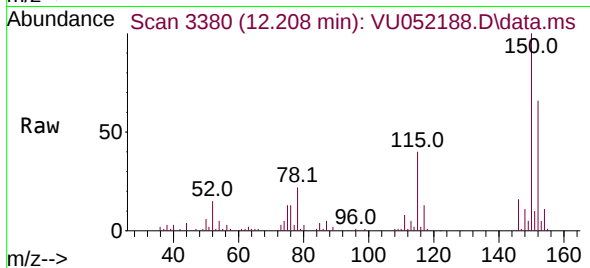
Tgt Ion:146 Resp: 6342

Ion Ratio Lower Upper

146 100

111 48.7 32.7 49.1

148 66.6 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.216 ug/L

RT: 13.002 min Scan# 3627

Delta R.T. 0.010 min

Lab File: VU052188.D

Acq: 06 Dec 2022 13:10

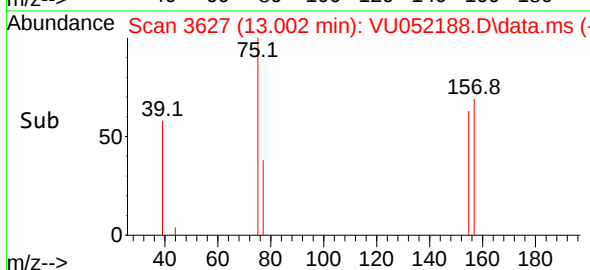
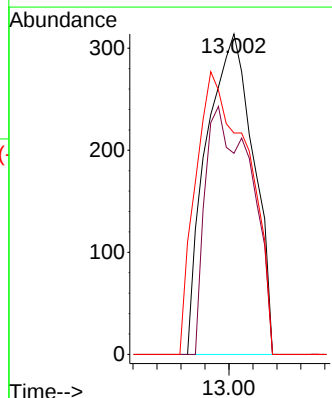
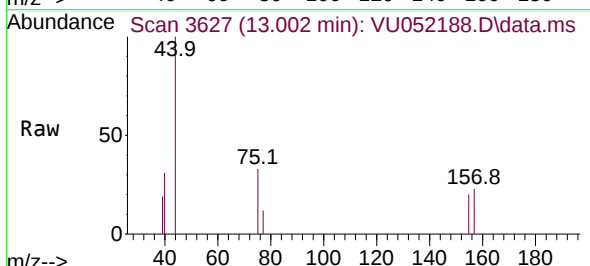
Tgt Ion: 75 Resp: 428

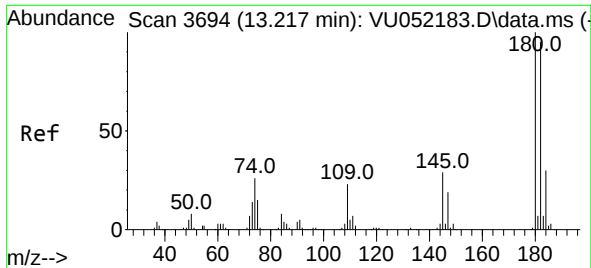
Ion Ratio Lower Upper

75 100

155 62.7 65.4 98.2#

157 69.1 80.5 120.7#

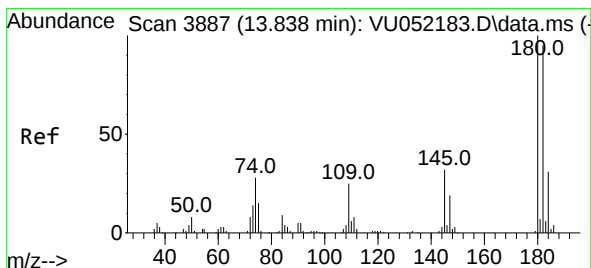
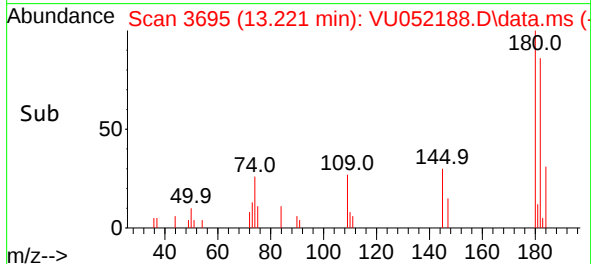
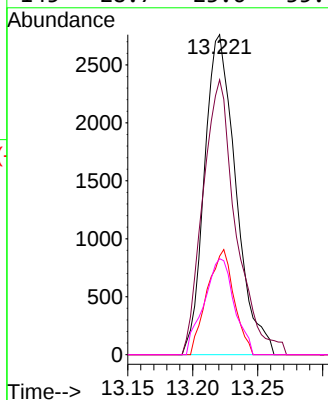
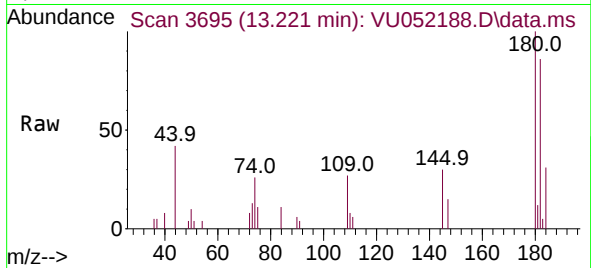




#69
 1,3,5-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

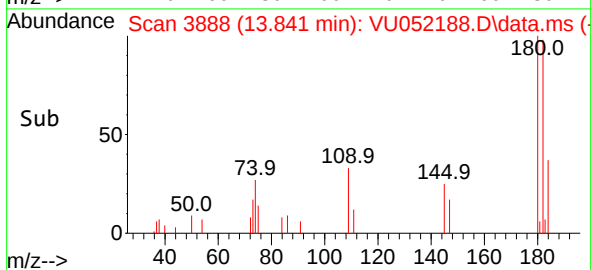
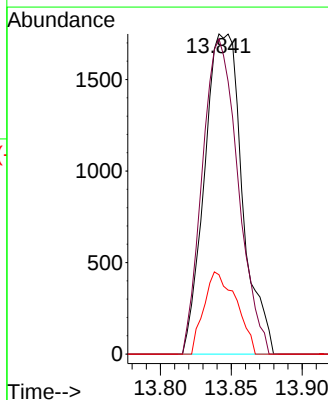
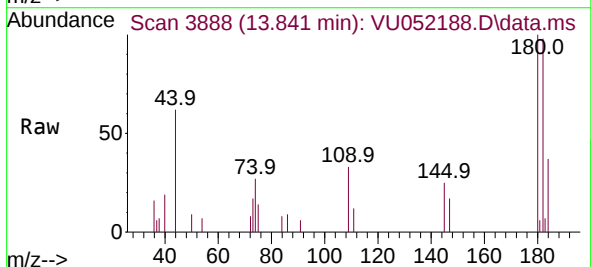
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

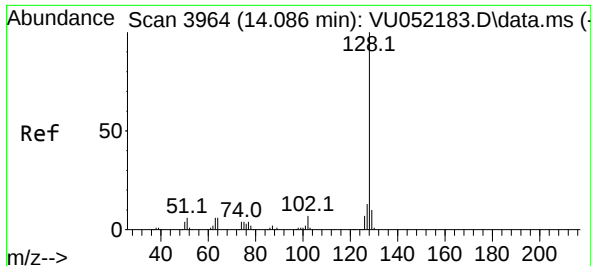
Tgt Ion:180 Resp: 4640
 Ion Ratio Lower Upper
 180 100
 182 90.0 75.7 113.5
 184 28.1 24.3 36.5
 145 28.7 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.236 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU052188.D
 Acq: 06 Dec 2022 13:10

Tgt Ion:180 Resp: 3246
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.3 114.5
 145 21.9 24.6 36.8#

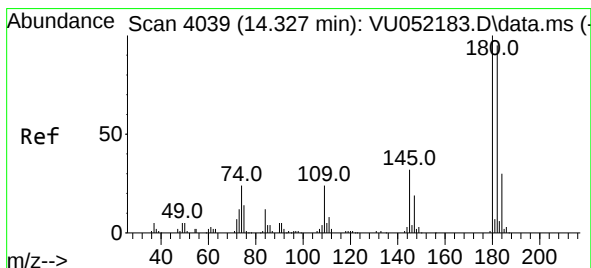
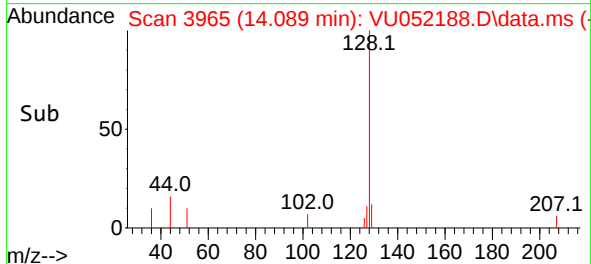
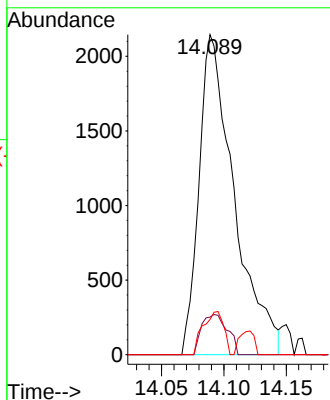
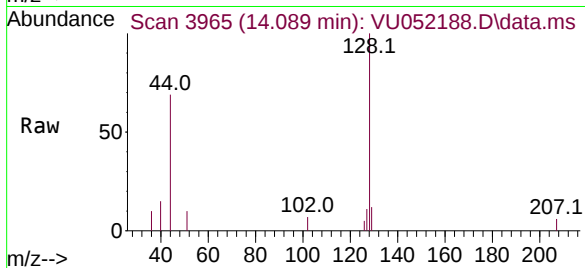




#71
Naphthalene
Concen: 0.163 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:128 Resp: 4199
Ion Ratio Lower Upper
128 100
129 9.2 8.3 12.5
127 7.9 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.206 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU052188.D
Acq: 06 Dec 2022 13:10

Tgt Ion:180 Resp: 2780
Ion Ratio Lower Upper
180 100
182 96.0 75.7 113.5
145 28.7 24.5 36.7

