

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055223.D
 Acq On : 08 Sep 2023 06:31
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:45:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	148332	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	147832	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	77218	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	38861	5.590	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 111.800%		
7) Chloroethane-d5	1.907	69	46982	5.838	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 116.800%		
11) 1,1-Dichloroethene-d2	2.563	65	19975	5.043	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 100.800%		
20) 2-Butanone-d5	4.627	46	143491	71.126	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 142.260%#		
24) Chloroform-d	5.058	84	105357	5.711	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 114.200%		
26) 1,2-Dichloroethane-d4	5.701	65	55712	6.036	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 120.800%		
32) Benzene-d6	5.724	84	198680	5.445	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.800%		
36) 1,2-Dichloropropane-d6	6.688	67	68099	5.867	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 117.400%		
41) Toluene-d8	7.897	98	170151	5.062	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 101.200%		
43) trans-1,3-Dichloroprop...	8.177	79	16759	5.243	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 104.800%		
46) 2-Hexanone-d5	8.634	63	78508	60.502	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 121.000%		
56) 1,1,2,2-Tetrachloroeth...	10.756	84	54075	6.625	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 132.400%#		
66) 1,2-Dichlorobenzene-d4	12.193	152	59833	5.309	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 106.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	37288	4.326	ug/L	98
3) Chloromethane	1.515	50	48132	5.485	ug/L	98
5) Vinyl chloride	1.602	62	48042	5.190	ug/L	96
6) Bromomethane	1.853	94	27544	4.933	ug/L	100
8) Chloroethane	1.930	64	31632	5.248	ug/L	96
9) Trichlorofluoromethane	2.136	101	59914	4.451	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	32854	4.195	ug/L	95
12) 1,1-Dichloroethene	2.576	96	31888	4.650	ug/L	85
13) Acetone	2.634	43	79480	58.781	ug/L	98
14) Carbon disulfide	2.788	76	73536	4.379	ug/L	97
15) Methyl Acetate	2.952	43	20016	7.232	ug/L	95
16) Methylene chloride	3.039	84	75310	7.187	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	105817	5.884	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	34338	4.935	ug/L	96
19) 1,1-Dichloroethane	3.865	63	83481	5.552	ug/L	99
21) 2-Butanone	4.705	43	126127	63.488	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	79558	9.341	ug/L	98
23) Bromochloromethane	4.971	128	19084	5.448	ug/L	85
25) Chloroform	5.084	83	88271	5.637	ug/L	92

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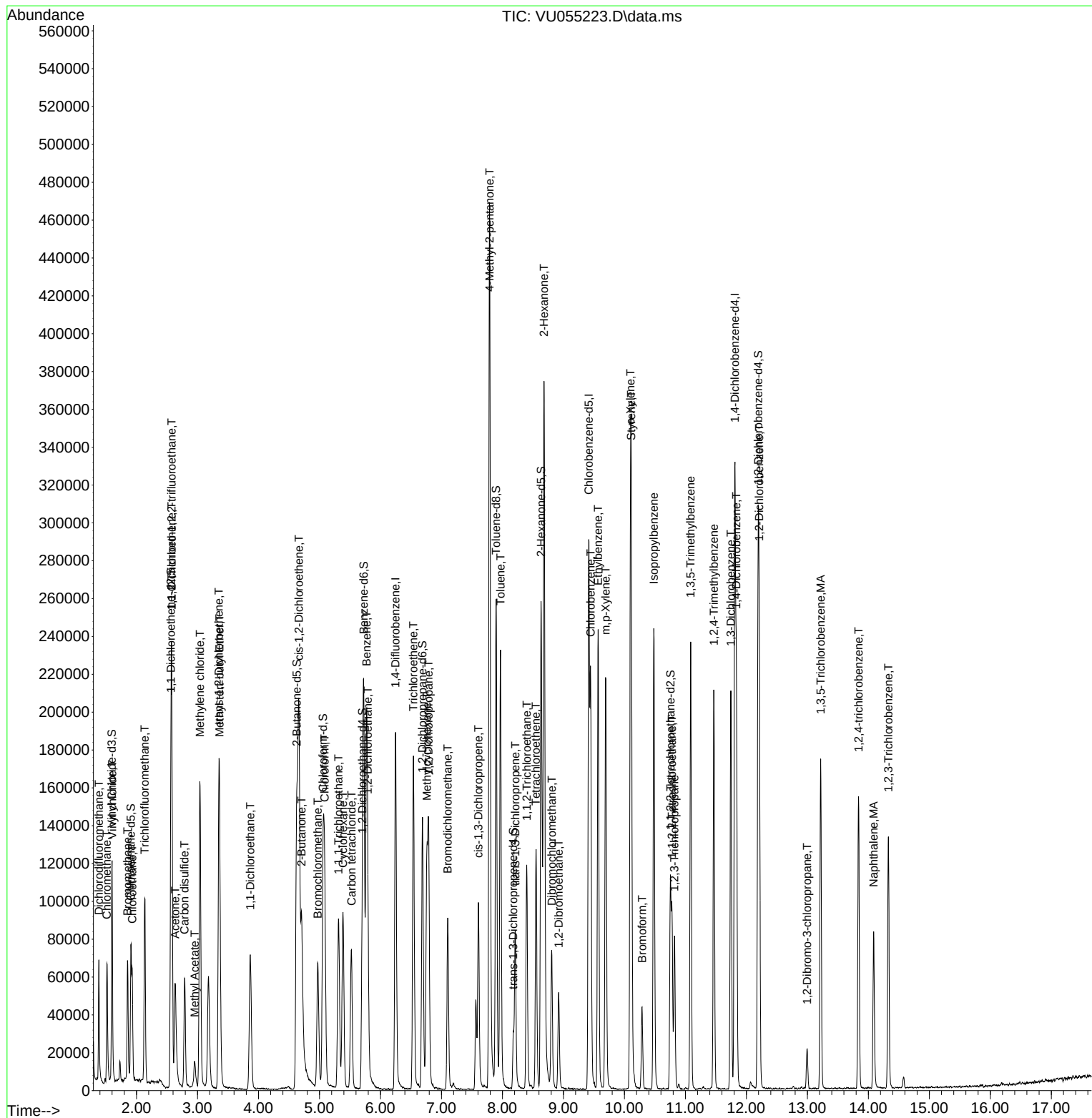
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	56292	5.889	ug/L #	94
29) 1,1,1-Trichloroethane	5.312	97	64189	5.020	ug/L	98
30) Cyclohexane	5.386	56	44009	3.870	ug/L	97
31) Carbon tetrachloride	5.524	117	49207	4.628	ug/L	99
33) Benzene	5.772	78	170101	5.406	ug/L	100
34) Trichloroethene	6.541	95	59690	6.826	ug/L	94
35) Methylcyclohexane	6.762	83	44488	3.626	ug/L	98
37) 1,2-Dichloropropane	6.788	63	48314	5.640	ug/L	99
38) Bromodichloromethane	7.103	83	57887	5.660	ug/L #	97
39) cis-1,3-Dichloropropene	7.605	75	55324	4.749	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	312359	63.927	ug/L	99
42) Toluene	7.968	91	166677	4.969	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	45954	5.025	ug/L	90
45) 1,1,2-Trichloroethane	8.399	97	35690	6.186	ug/L	94
47) Tetrachloroethene	8.550	164	26982	4.465	ug/L	92
48) 2-Hexanone	8.682	43	243427	63.603	ug/L	97
49) Dibromochloromethane	8.807	129	34910	5.543	ug/L	95
50) 1,2-Dibromoethane	8.923	107	31957	6.083	ug/L	98
51) Chlorobenzene	9.447	112	110213	4.961	ug/L	99
52) Ethylbenzene	9.569	91	171549	4.572	ug/L	100
53) m,p-Xylene	9.695	106	62876	4.528	ug/L	99
54) o-Xylene	10.100	106	64534	4.723	ug/L	98
55) Styrene	10.113	104	107959	4.784	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.778	83	45149	6.282	ug/L	94
59) Bromoform	10.290	173	17420	5.646	ug/L	96
60) Isopropylbenzene	10.483	105	156713	4.352	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	33367	6.512	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	126642	4.228	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	114046	3.863	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	79073	4.574	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	78741	4.571	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	77596	4.788	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	5453	5.524	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.219	180	49677	3.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	41725	3.406	ug/L	93
71) Naphthalene	14.087	128	66174	2.972	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	37226	3.501	ug/L	99

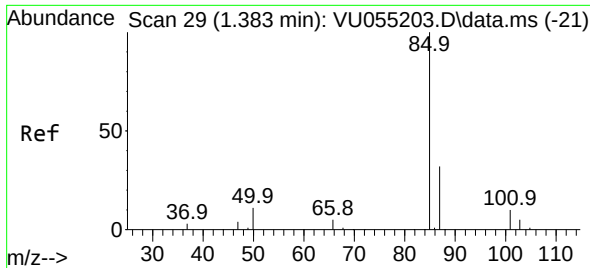
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

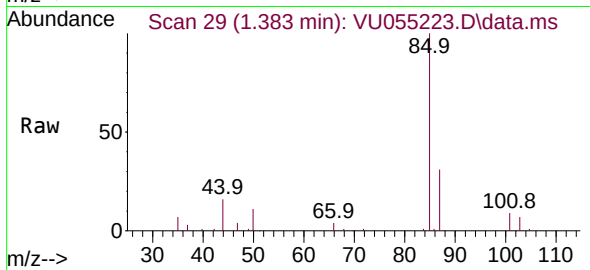
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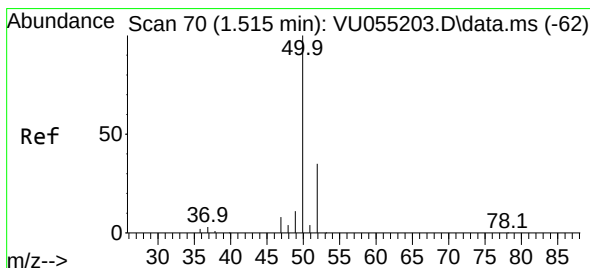
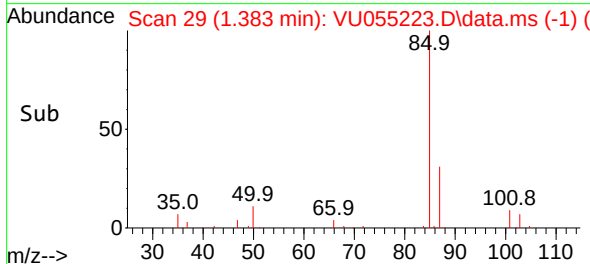
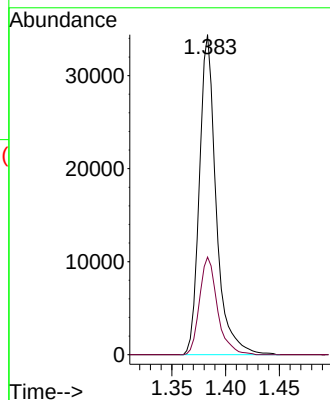


#2
 Dichlorodifluoromethane
 Concen: 4.326 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055223.D
 Acq: 08 Sep 2023 06:31

Instrument :
 MSVOA_U
 ClientSampleId :

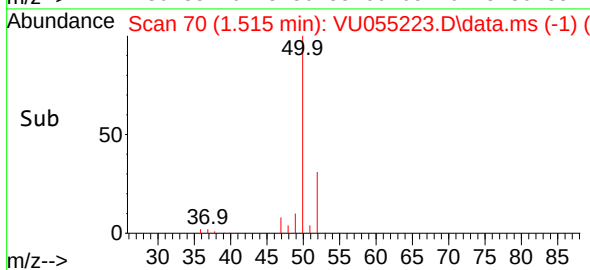
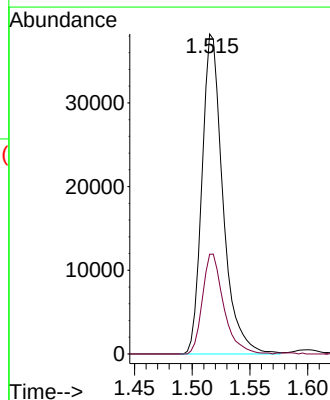
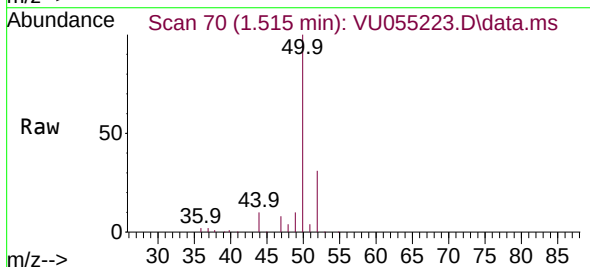


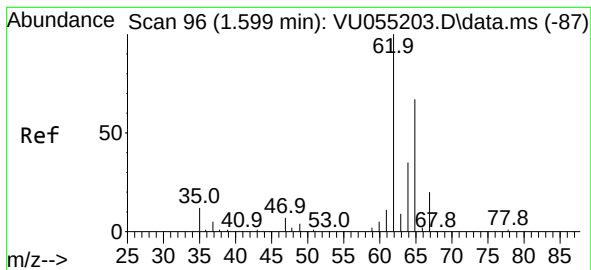
Tgt Ion: 85 Resp: 37288
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.1 37.7



#3
 Chloromethane
 Concen: 5.485 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055223.D
 Acq: 08 Sep 2023 06:31

Tgt Ion: 50 Resp: 48132
 Ion Ratio Lower Upper
 50 100
 52 31.2 22.5 41.7





#5

Vinyl chloride

Concen: 5.190 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

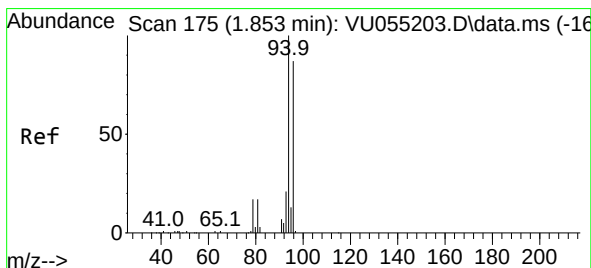
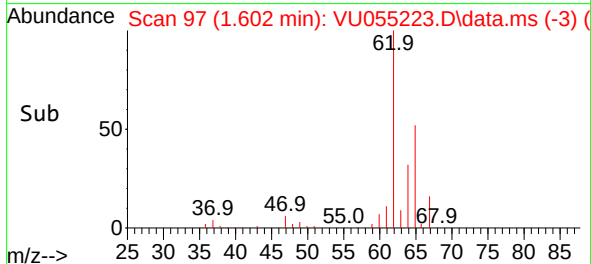
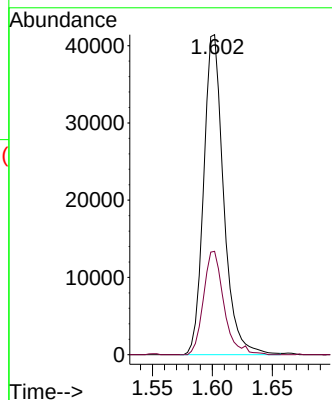
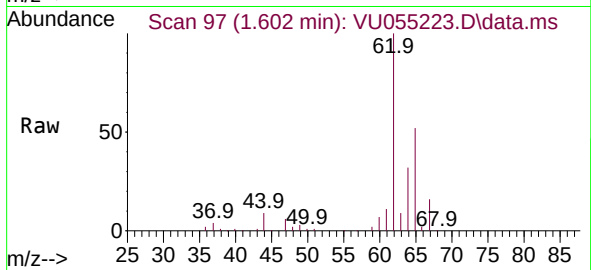
ClientSampleId :

Tgt Ion: 62 Resp: 48042

Ion Ratio Lower Upper

62 100

64 32.3 24.2 45.0



#6

Bromomethane

Concen: 4.933 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU055223.D

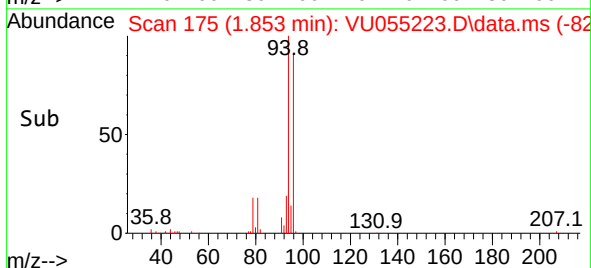
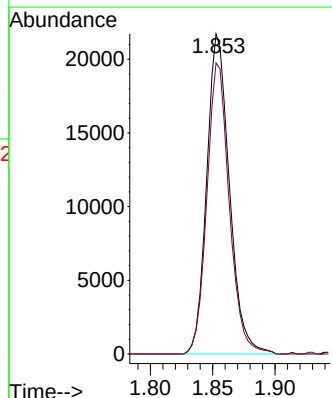
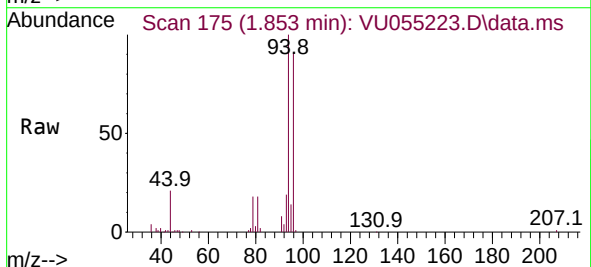
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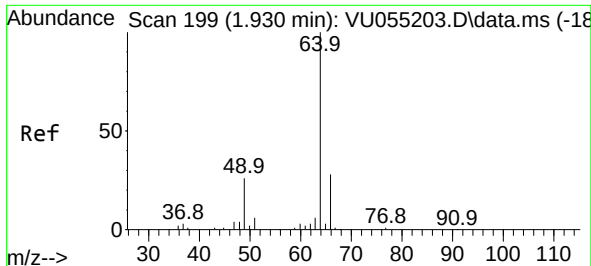
Tgt Ion: 94 Resp: 27544

Ion Ratio Lower Upper

94 100

96 90.9 63.8 118.4

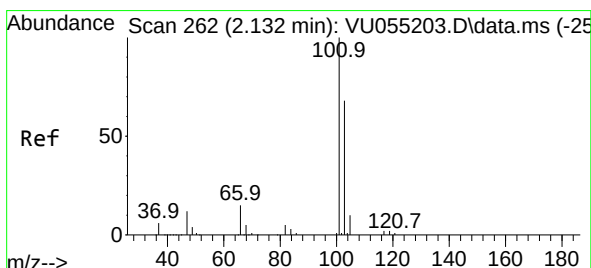
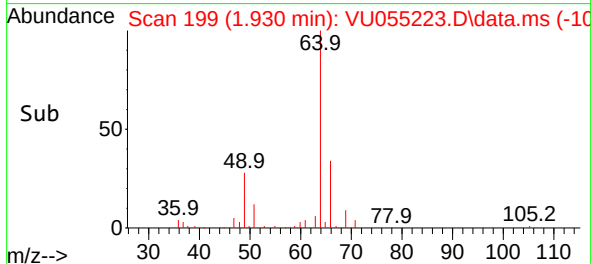
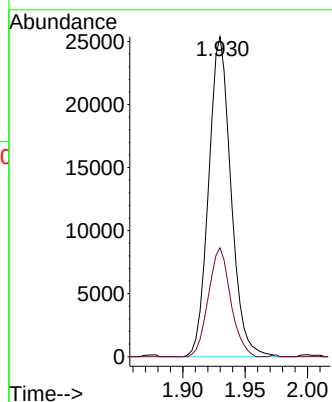
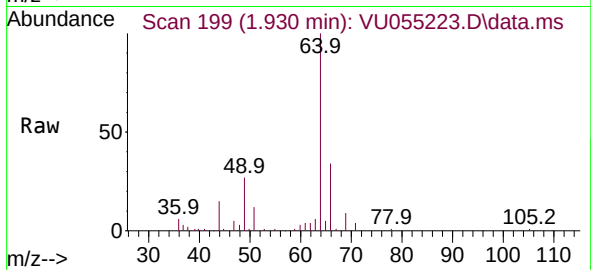




#8
Chloroethane
Concen: 5.248 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

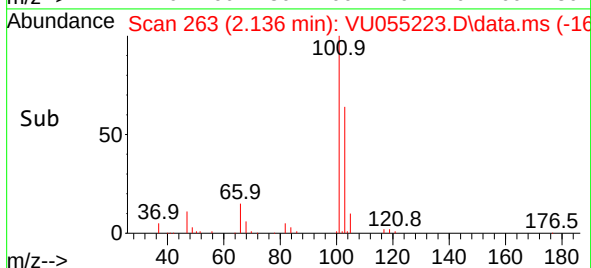
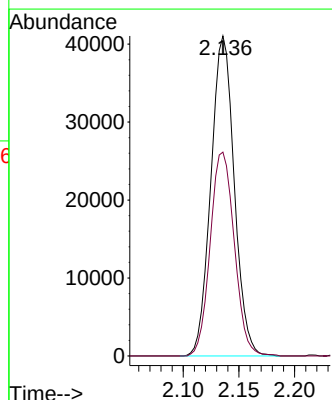
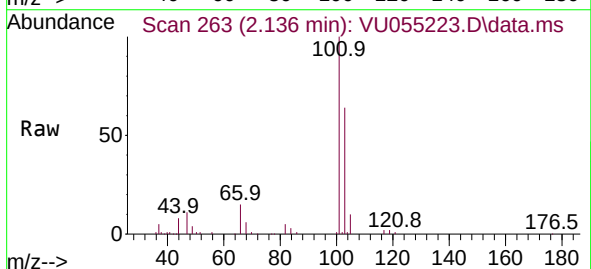
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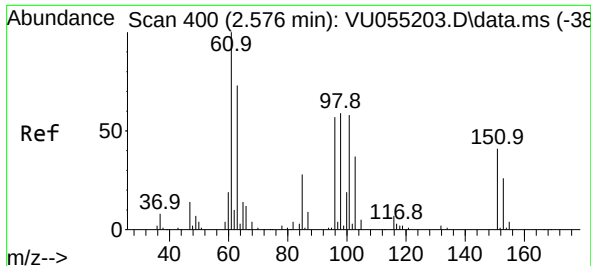
Tgt Ion: 64 Resp: 31632
Ion Ratio Lower Upper
64 100
66 34.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.451 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion:101 Resp: 59914
Ion Ratio Lower Upper
101 100
103 65.7 51.9 77.9





#10

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

Concen: 4.195 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055223.D

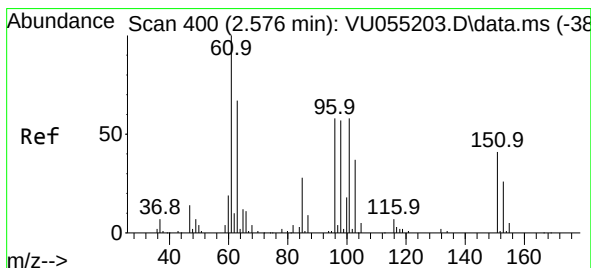
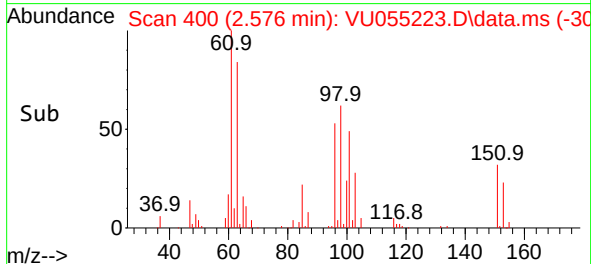
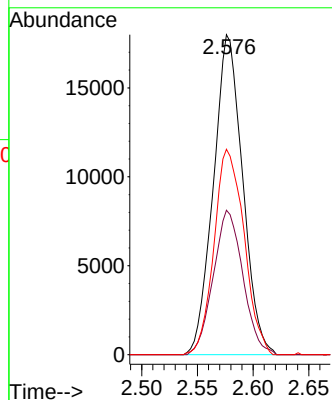
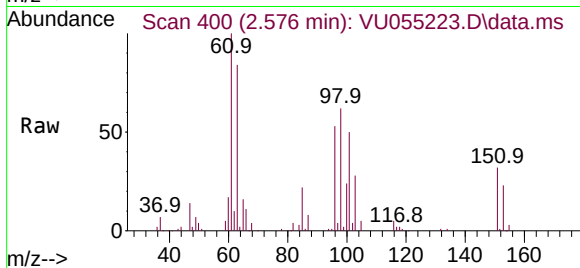
Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	32854
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.3	55.9
151	66.0	57.6	86.4



#12

1,1-Dichloroethene

Concen: 4.650 ug/L

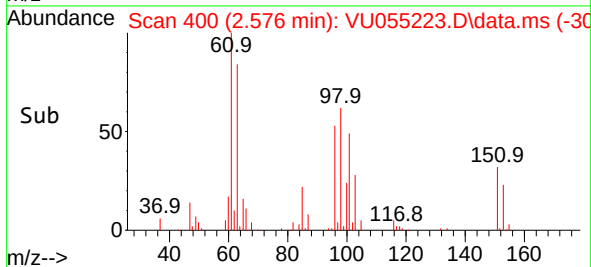
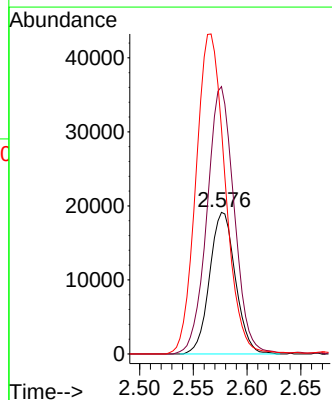
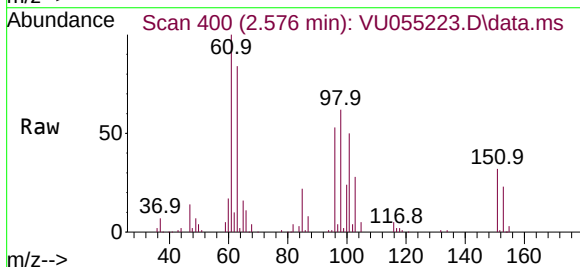
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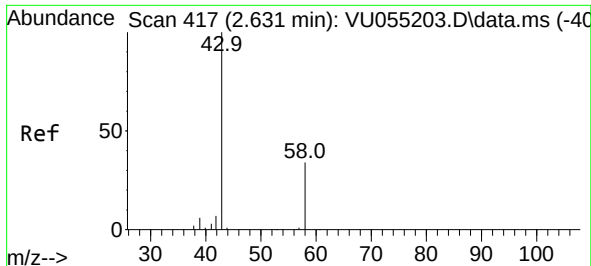
Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Tgt Ion:	96	Resp:	31888
Ion Ratio	Lower	Upper	
96	100		
61	188.7	120.8	224.4
63	159.1	94.5	175.5





#13

Acetone

Concen: 58.781 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU055223.D

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Instrument :

MSVOA_U

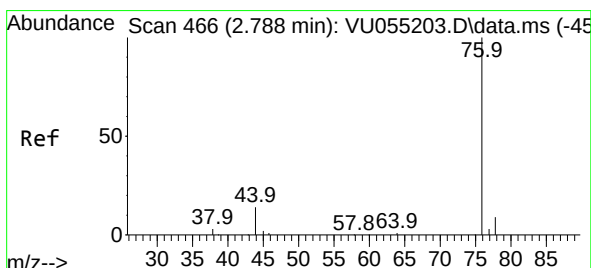
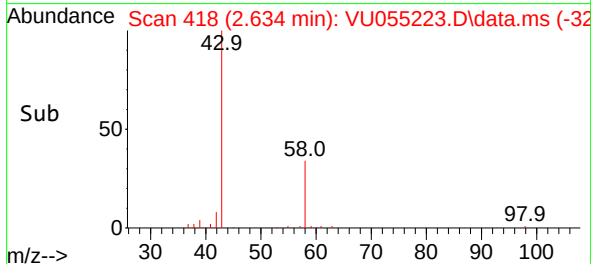
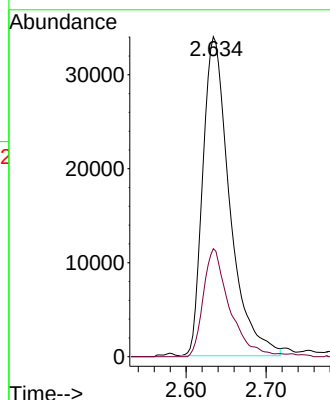
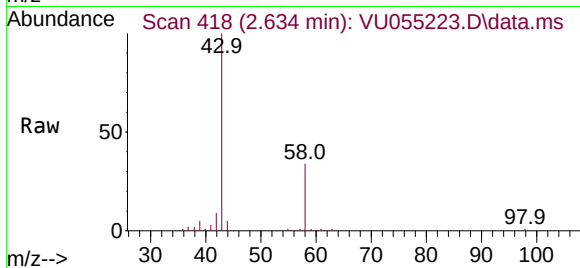
ClientSampleId :

Tgt Ion: 43 Resp: 79480

Ion Ratio Lower Upper

43 100

58 33.0 0.0 67.8



#14

Carbon disulfide

Concen: 4.379 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055223.D

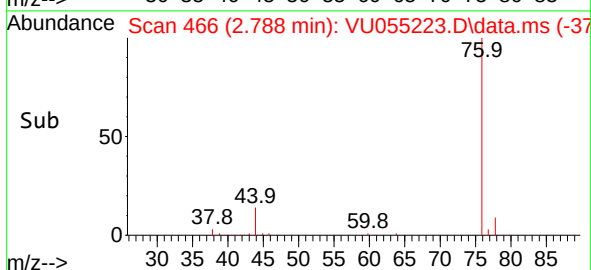
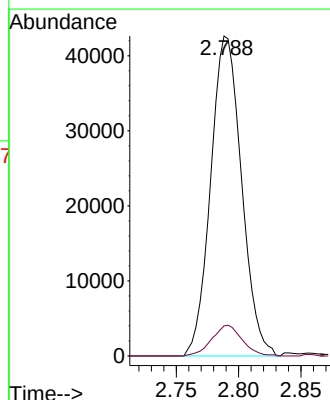
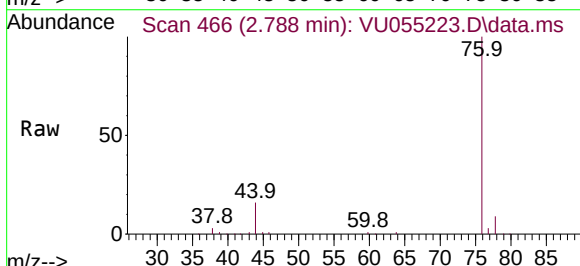
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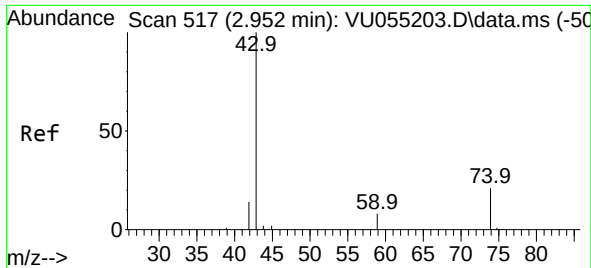
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Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2

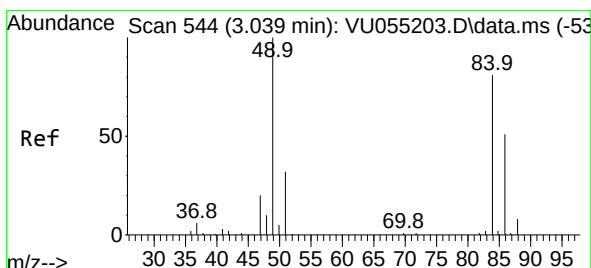
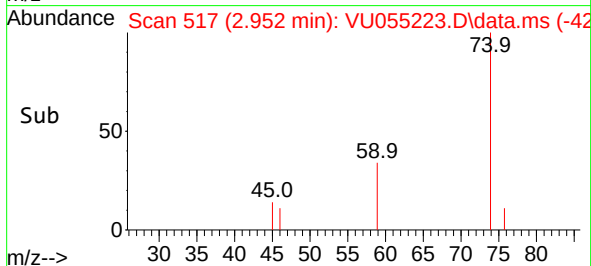
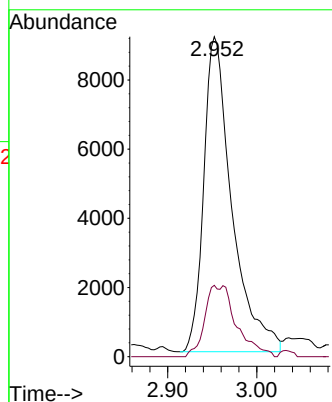
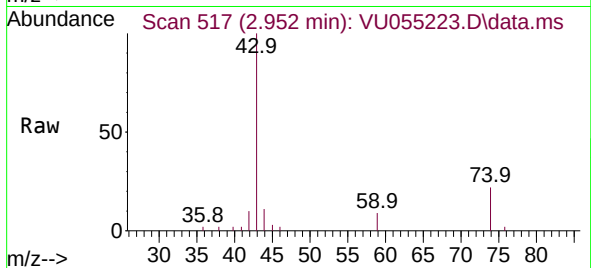




#15
Methyl Acetate
Concen: 7.232 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

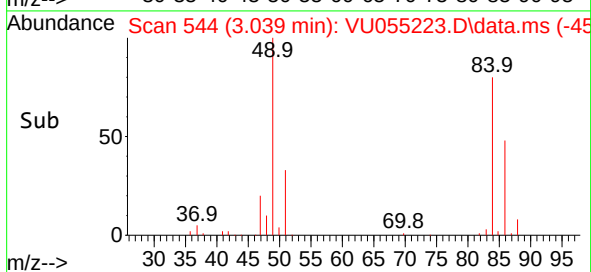
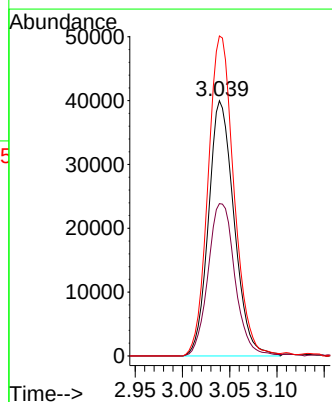
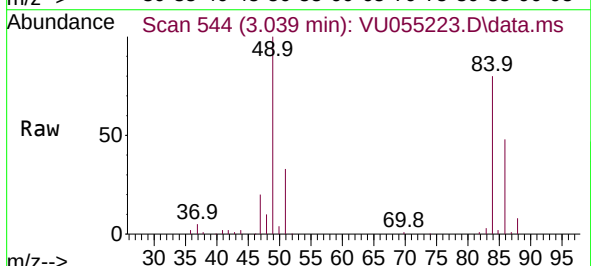
Instrument :
MSVOA_U
ClientSampleId :

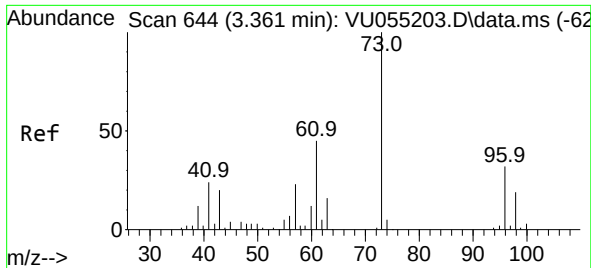
Tgt Ion: 43 Resp: 20016
Ion Ratio Lower Upper
43 100
74 25.3 18.4 27.6



#16
Methylene chloride
Concen: 7.187 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 84 Resp: 75310
Ion Ratio Lower Upper
84 100
86 59.7 43.4 80.6
49 125.4 87.7 162.9

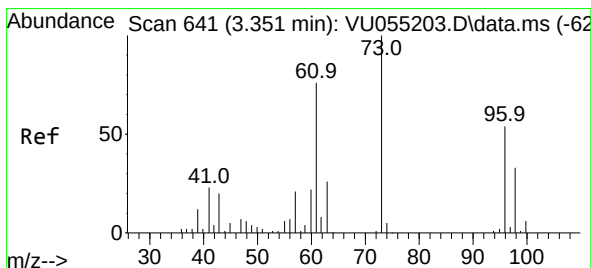
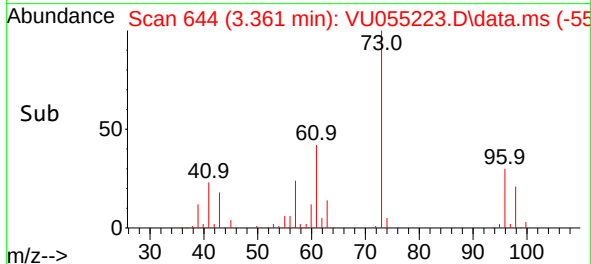
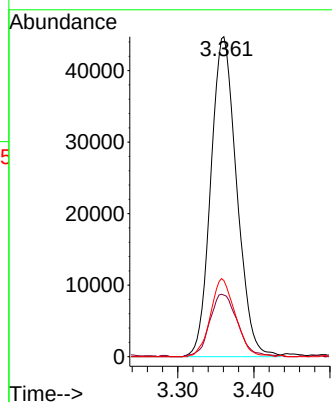
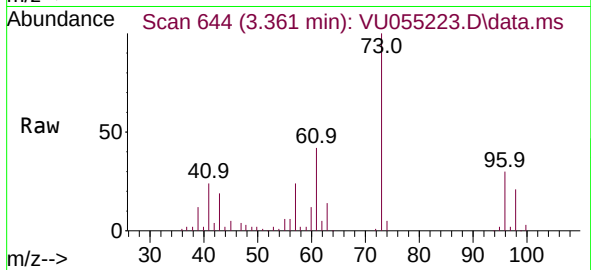




#17
Methyl tert-butyl Ether
Concen: 5.884 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

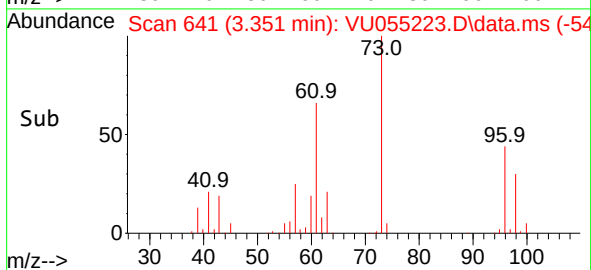
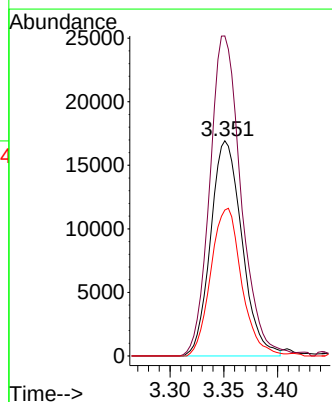
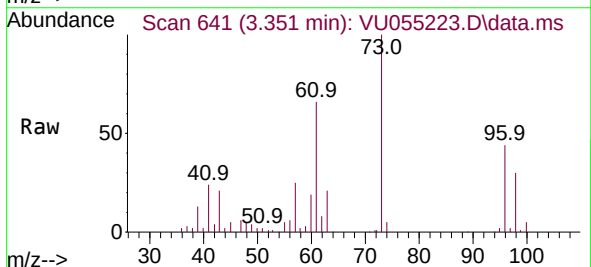
Instrument :
MSVOA_U
ClientSampleId :

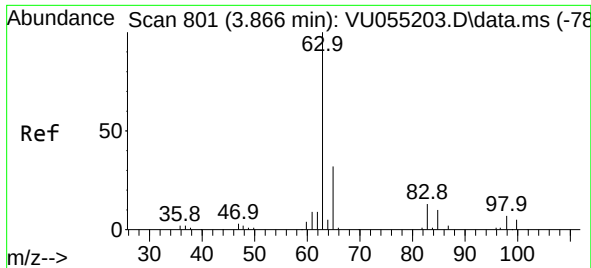
Tgt Ion: 73 Resp: 105817
Ion Ratio Lower Upper
73 100
43 21.1 16.2 24.2
57 23.4 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.935 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 96 Resp: 34338
Ion Ratio Lower Upper
96 100
61 148.7 108.1 200.9
98 67.8 45.4 84.4

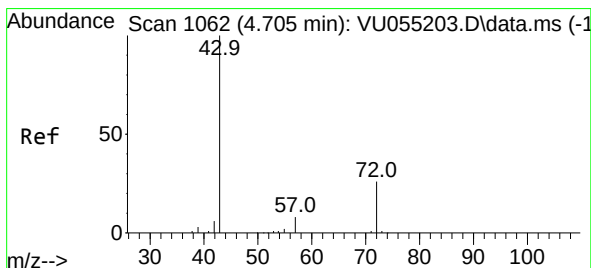
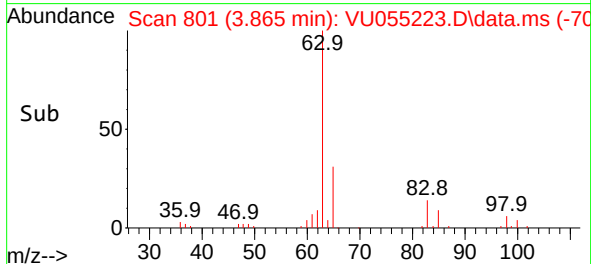
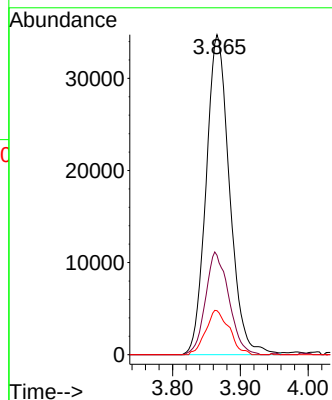
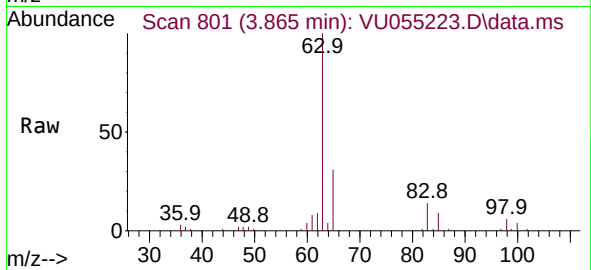




#19
1,1-Dichloroethane
Concen: 5.552 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

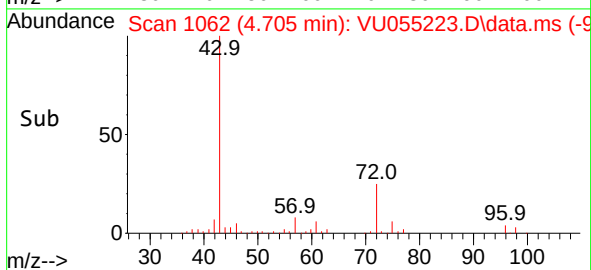
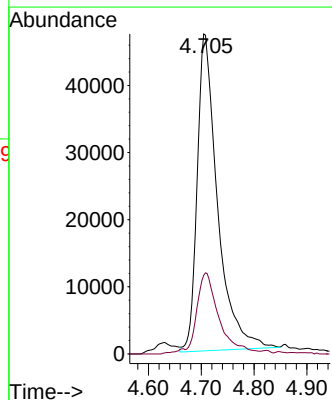
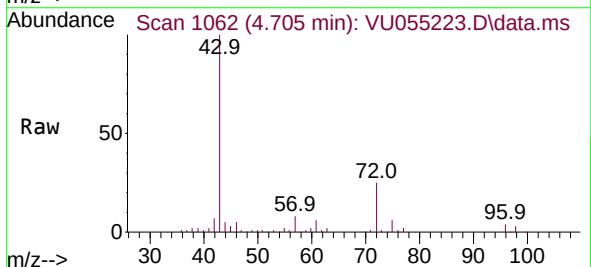
Instrument :
MSVOA_U
ClientSampleId :

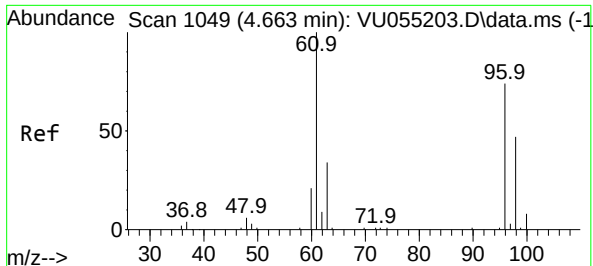
Tgt Ion: 63 Resp: 83481
Ion Ratio Lower Upper
63 100
65 31.5 22.2 41.2
83 13.7 10.6 19.8



#21
2-Butanone
Concen: 63.488 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 43 Resp: 126127
Ion Ratio Lower Upper
43 100
72 27.0 13.5 40.5





#22

cis-1,2-Dichloroethene

Concen: 9.341 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

ClientSampleId :

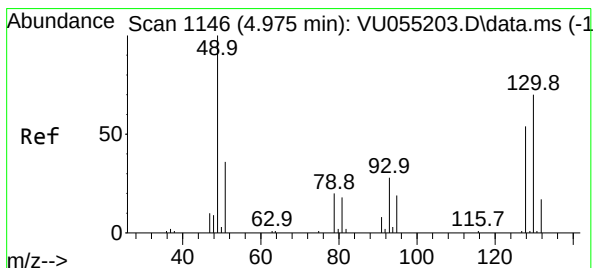
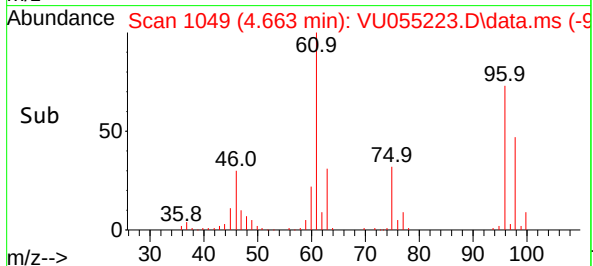
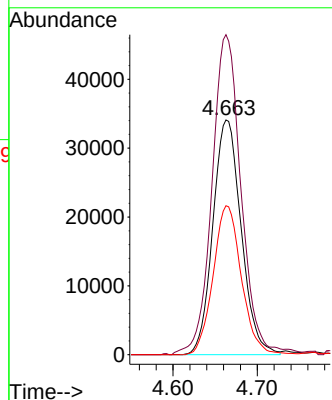
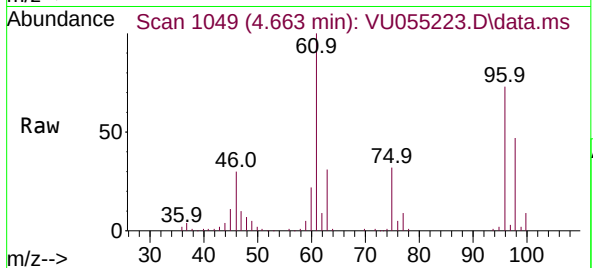
Tgt Ion: 96 Resp: 79558

Ion Ratio Lower Upper

96 100

61 136.3 97.2 180.4

98 63.5 46.1 85.7



#23

Bromochloromethane

Concen: 5.448 ug/L

RT: 4.971 min Scan# 1145

Delta R.T. -0.003 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Tgt Ion:128 Resp: 19084

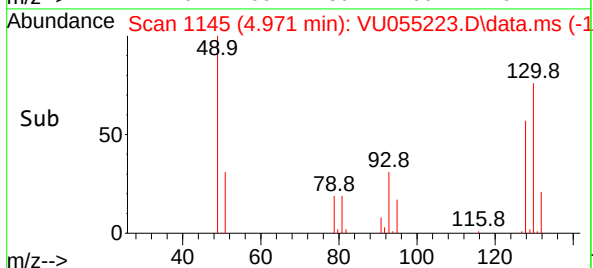
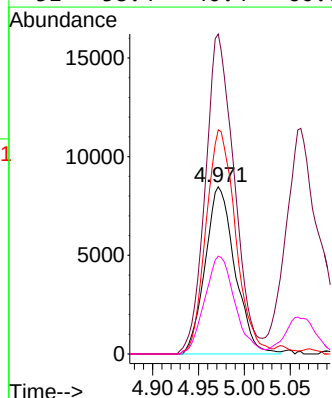
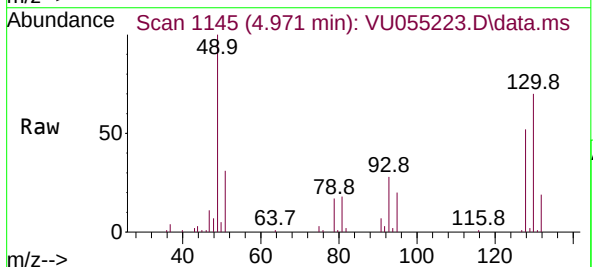
Ion Ratio Lower Upper

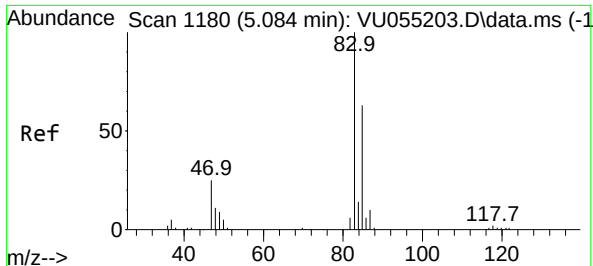
128 100

49 200.2 118.9 220.9

130 134.0 88.0 163.4

51 58.4 40.4 60.6





#25

Chloroform

Concen: 5.637 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

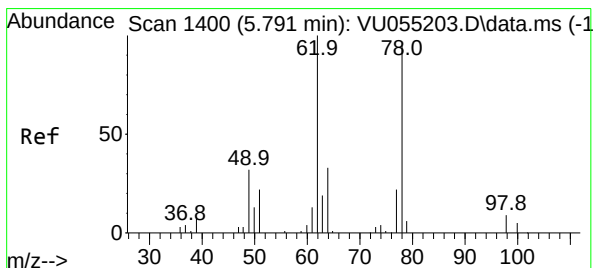
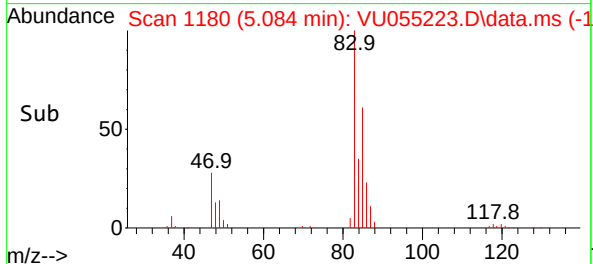
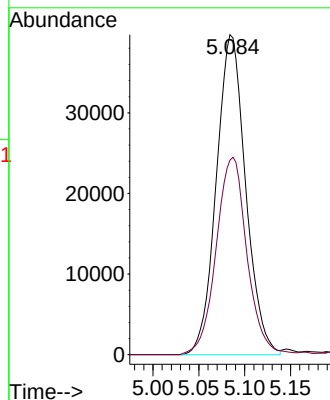
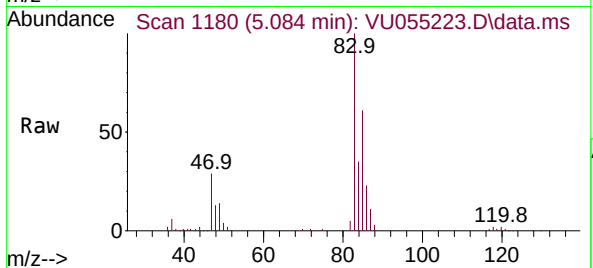
ClientSampleId :

Tgt Ion: 83 Resp: 88271

Ion Ratio Lower Upper

83 100

85 60.8 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.889 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055223.D

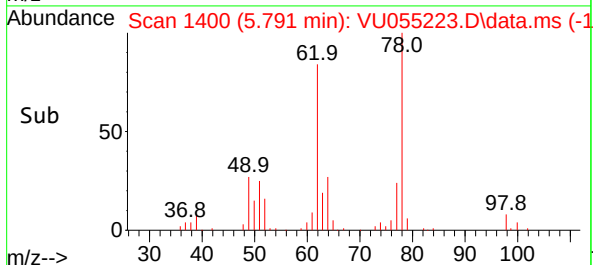
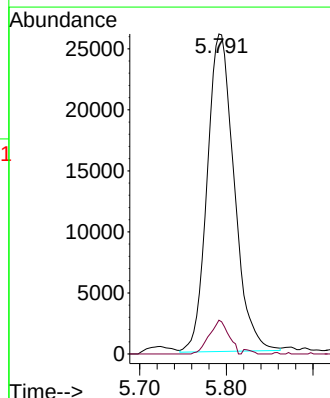
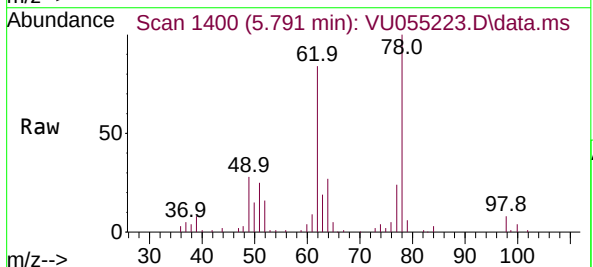
Acq: 08 Sep 2023 06:31

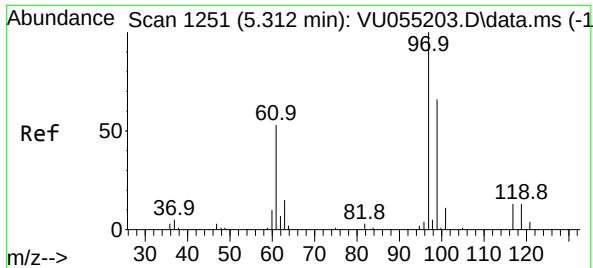
Tgt Ion: 62 Resp: 56292

Ion Ratio Lower Upper

62 100

98 10.6 6.9 10.3#

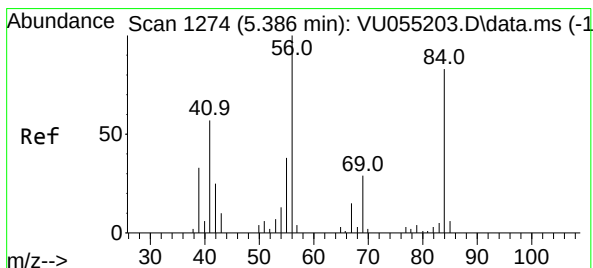
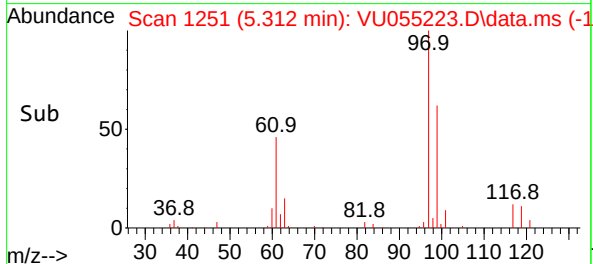
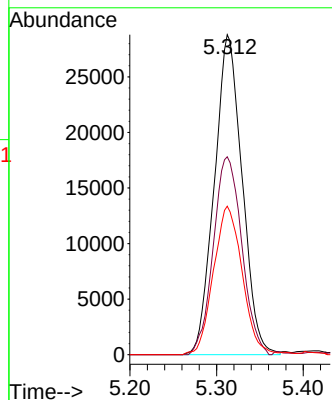
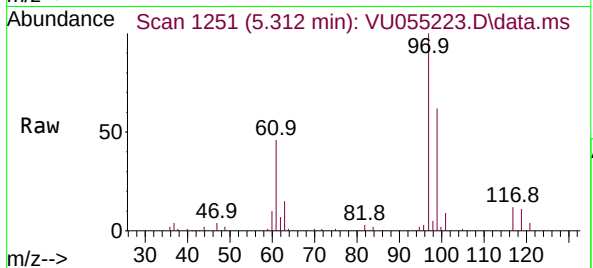




#29
1,1,1-Trichloroethane
Concen: 5.020 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

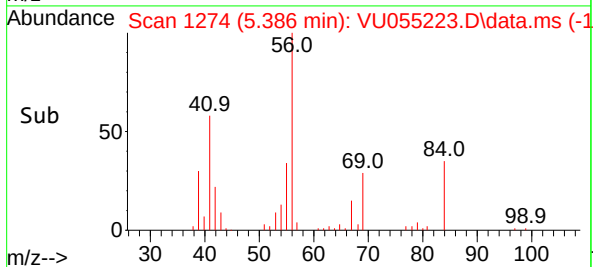
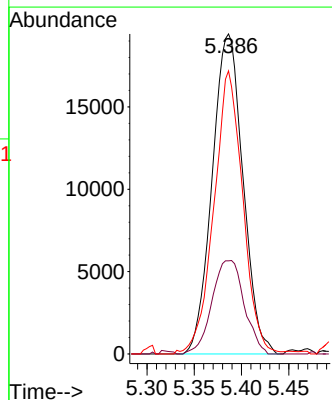
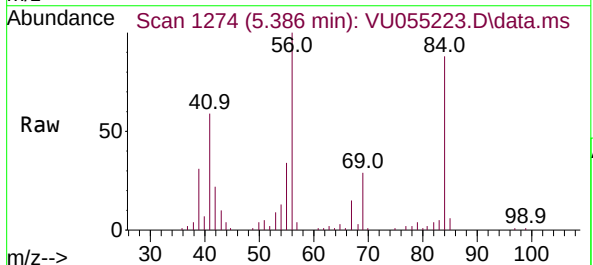
Instrument :
MSVOA_U
ClientSampleId :

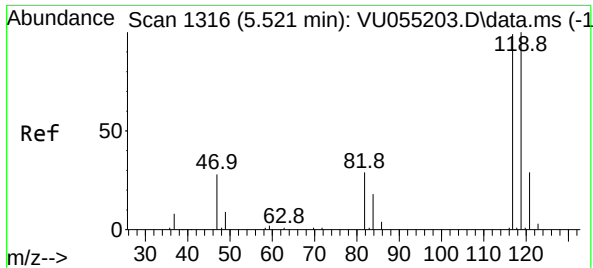
Tgt Ion: 97 Resp: 64189
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.8
61 47.9 36.8 55.2



#30
Cyclohexane
Concen: 3.870 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 56 Resp: 44009
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 83.0 68.8 103.2

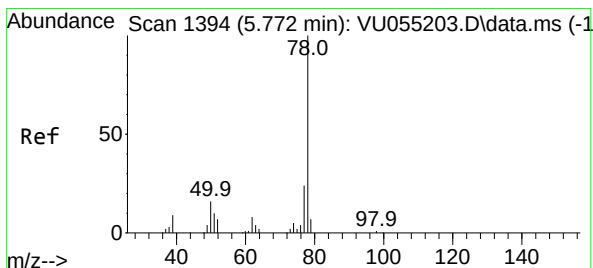
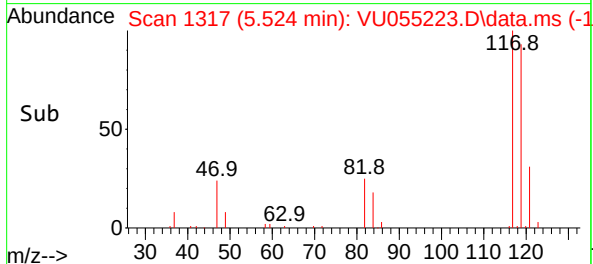
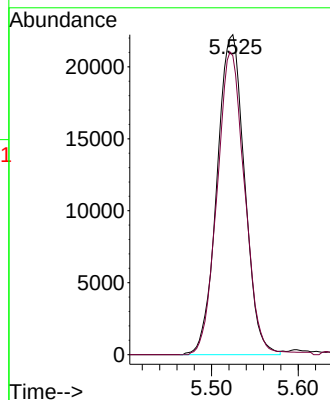
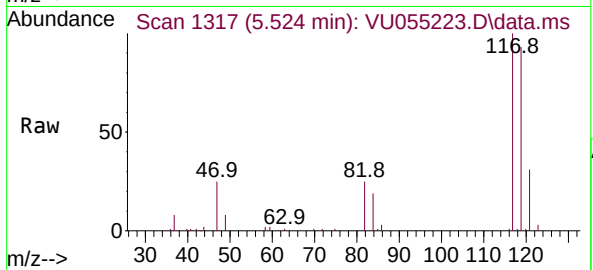




#31
Carbon tetrachloride
Concen: 4.628 ug/L
RT: 5.524 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

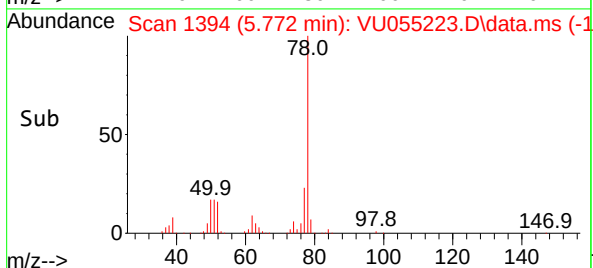
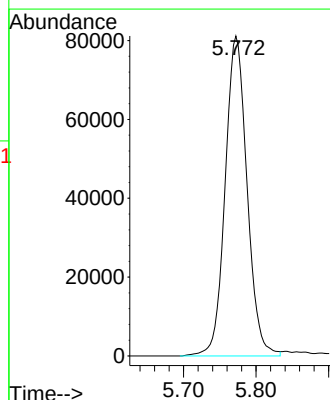
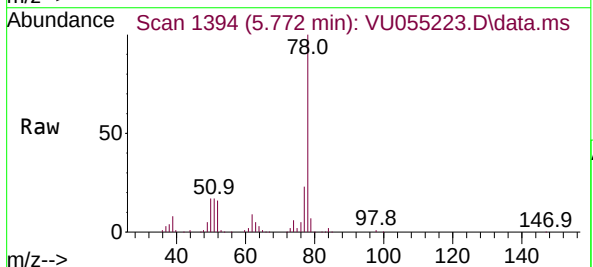
Instrument :
MSVOA_U
ClientSampleId :

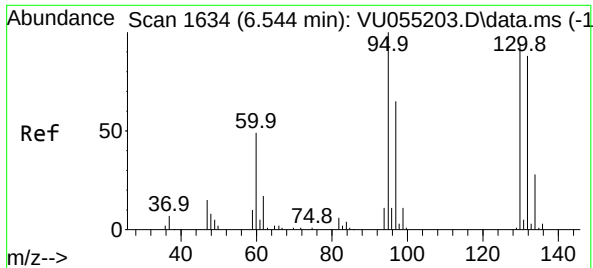
Tgt Ion:117 Resp: 49207
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.0



#33
Benzene
Concen: 5.406 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 78 Resp: 170101

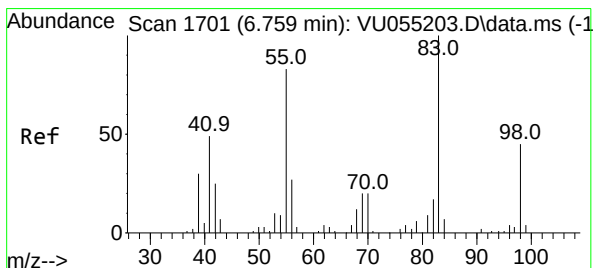
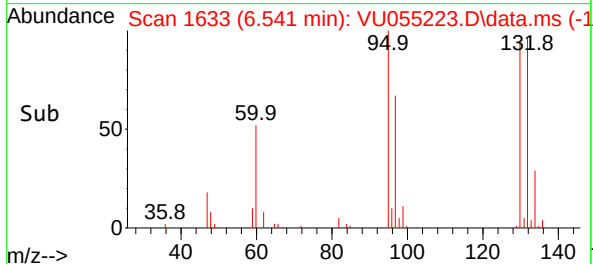
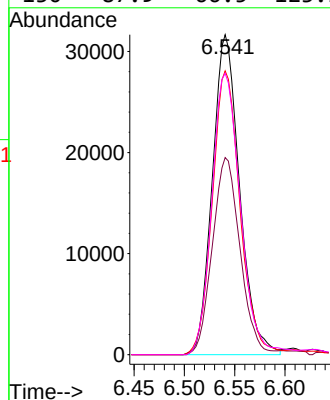
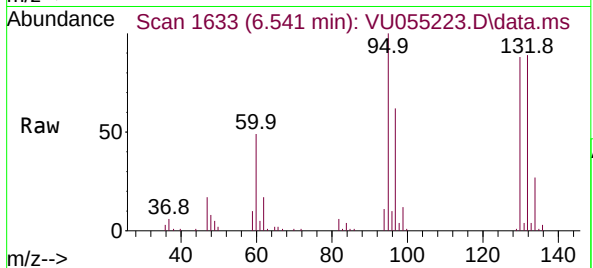




#34
Trichloroethene
Concen: 6.826 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

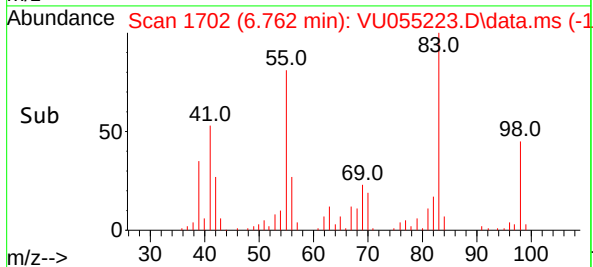
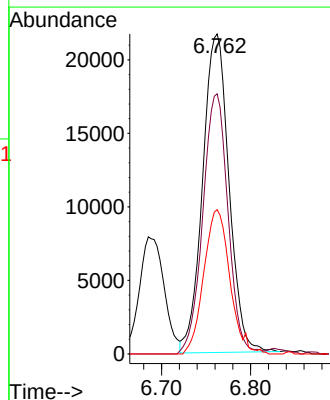
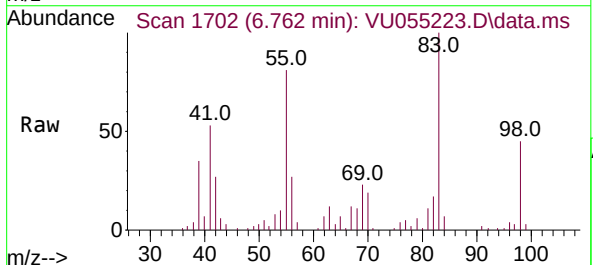
Instrument :
MSVOA_U
ClientSampleId :

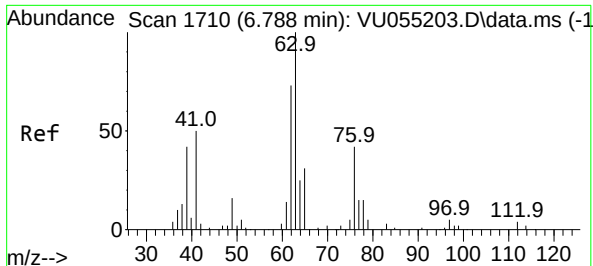
Tgt Ion: 95 Resp: 59690
Ion Ratio Lower Upper
95 100
97 61.6 44.7 83.1
132 88.7 66.6 123.6
130 87.9 66.5 123.5



#35
Methylcyclohexane
Concen: 3.626 ug/L
RT: 6.762 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 83 Resp: 44488
Ion Ratio Lower Upper
83 100
55 78.3 60.4 90.6
98 44.9 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.640 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

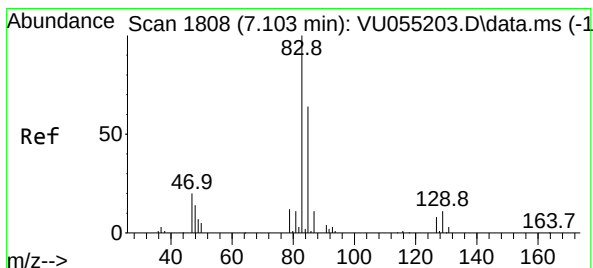
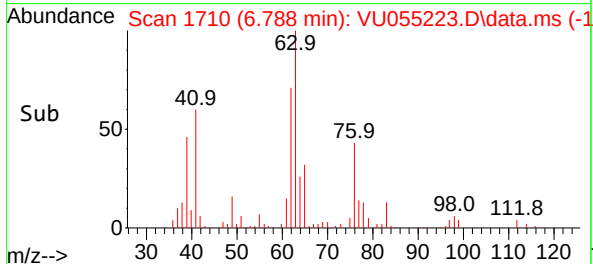
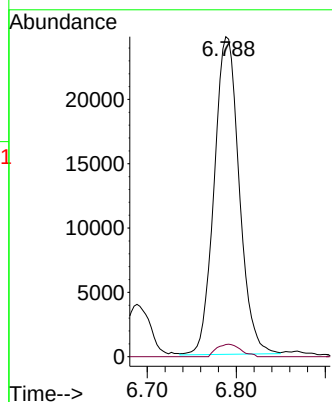
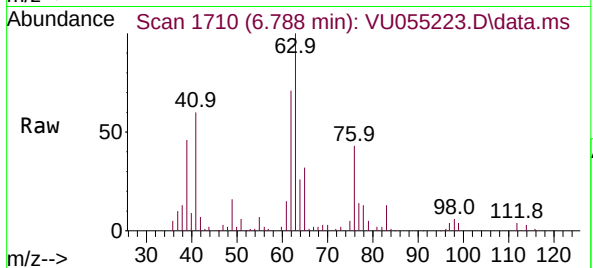
ClientSampleId :

Tgt Ion: 63 Resp: 48314

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 5.660 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

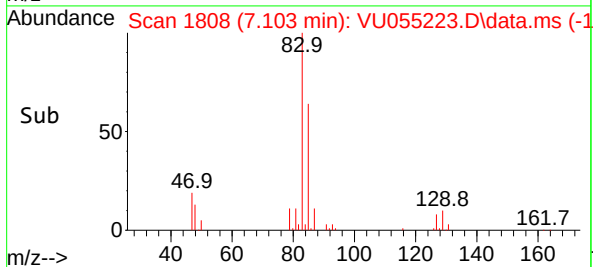
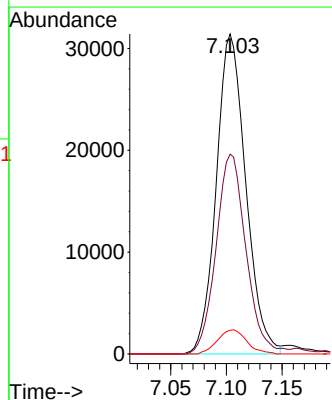
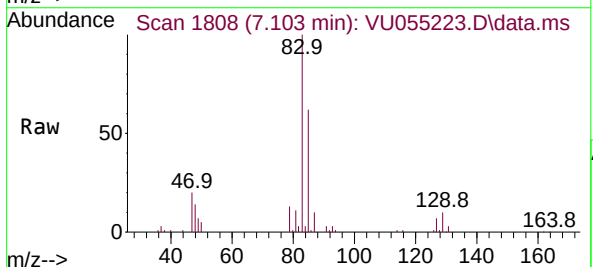
Tgt Ion: 83 Resp: 57887

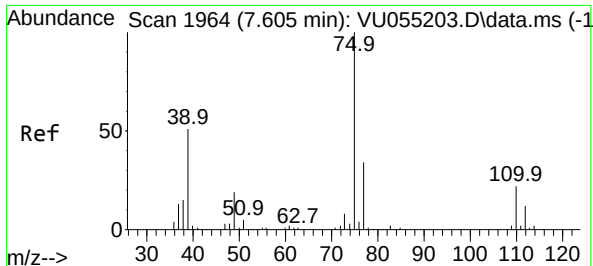
Ion Ratio Lower Upper

83 100

85 62.5 44.9 83.5

127 7.4 7.8 11.8#





#39

cis-1,3-Dichloropropene

Concen: 4.749 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

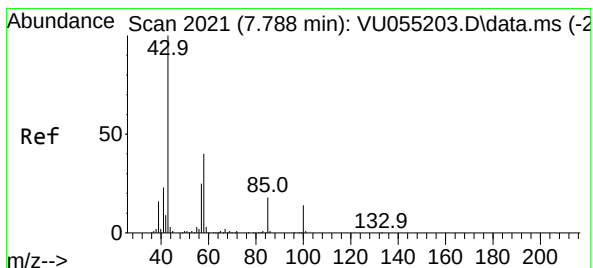
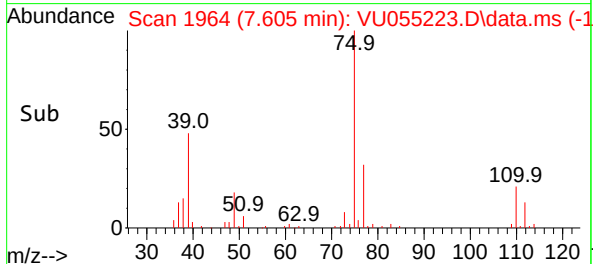
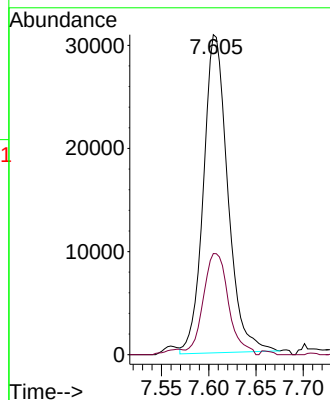
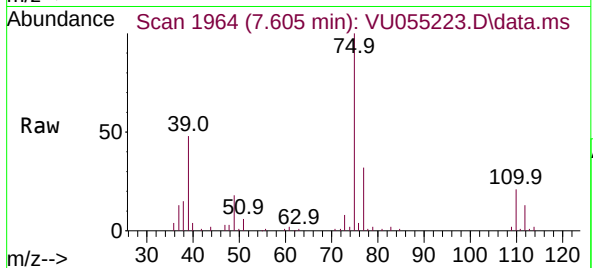
ClientSampleId :

Tgt Ion: 75 Resp: 55324

Ion Ratio Lower Upper

75 100

77 31.6 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 63.927 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

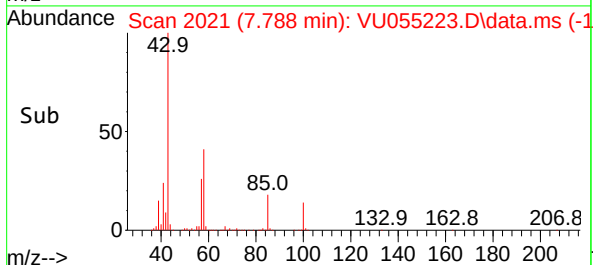
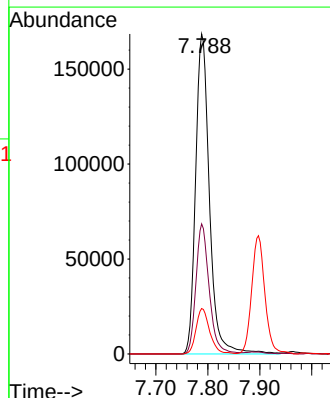
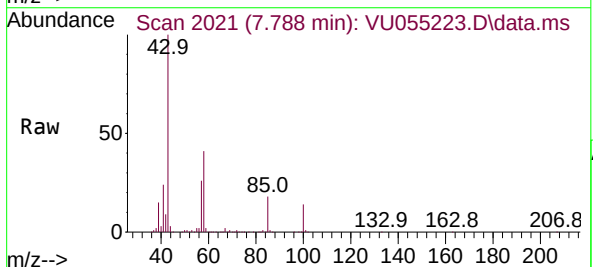
Tgt Ion: 43 Resp: 312359

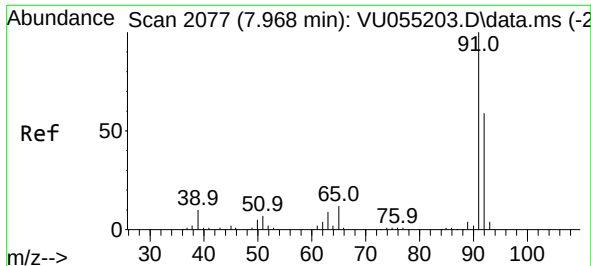
Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3

100 14.0 11.8 17.8





#42

Toluene

Concen: 4.969 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

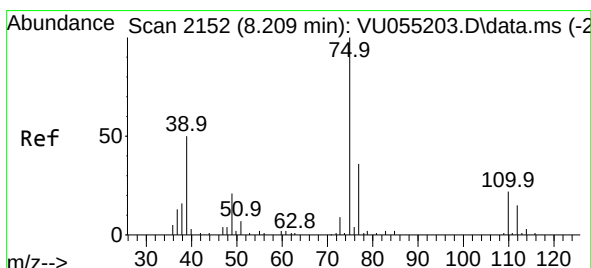
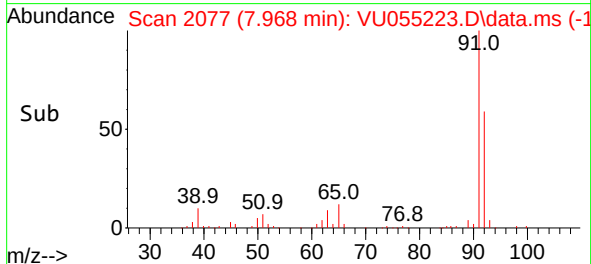
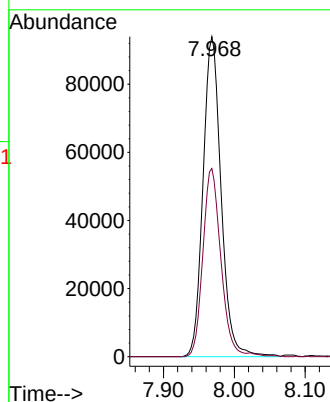
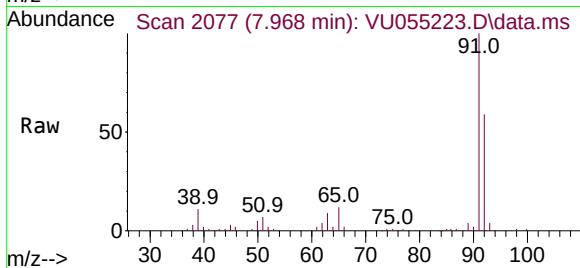
ClientSampleId :

Tgt Ion: 91 Resp: 166677

Ion Ratio Lower Upper

91 100

92 58.8 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055223.D

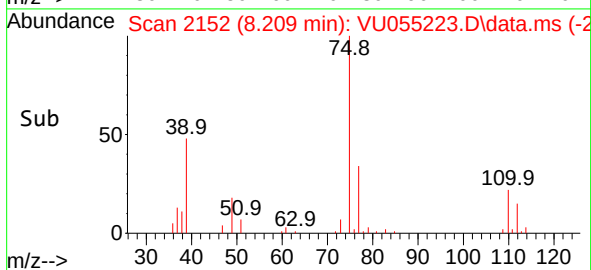
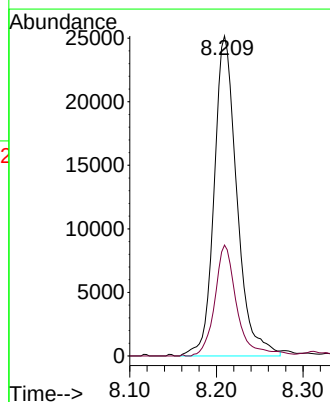
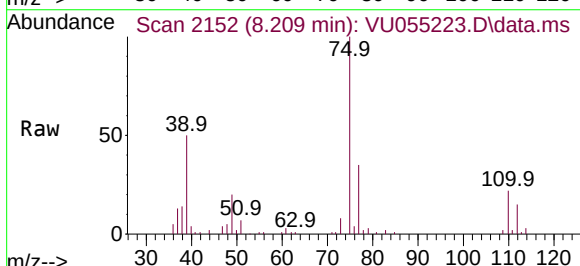
Acq: 08 Sep 2023 06:31

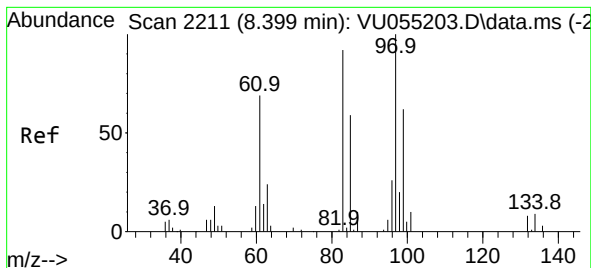
Tgt Ion: 75 Resp: 45954

Ion Ratio Lower Upper

75 100

77 34.6 20.5 38.1





#45

1,1,2-Trichloroethane

Concen: 6.186 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 35690

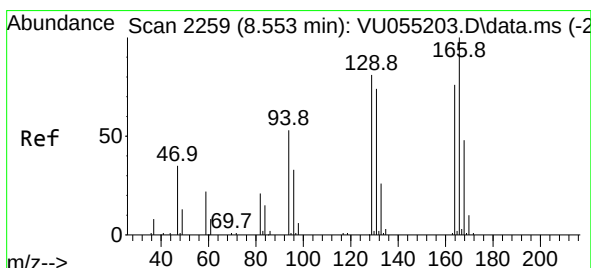
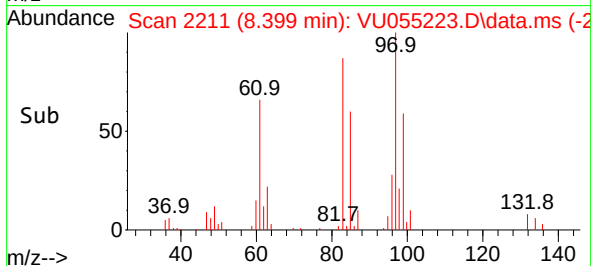
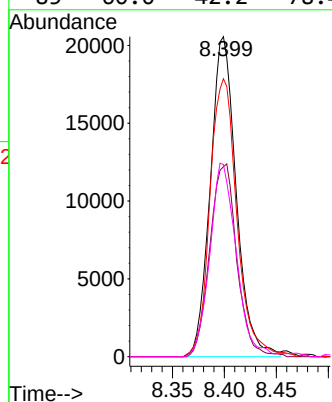
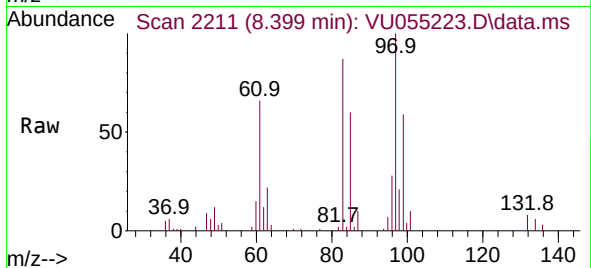
Ion Ratio Lower Upper

97 100

99 59.3 44.9 83.5

83 86.8 66.9 124.3

85 60.0 42.2 78.4



#47

Tetrachloroethene

Concen: 4.465 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.003 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Tgt Ion:164 Resp: 26982

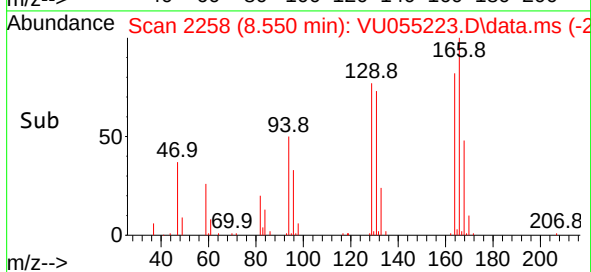
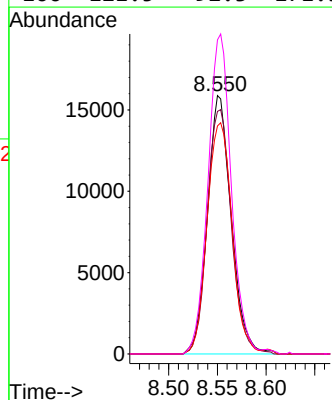
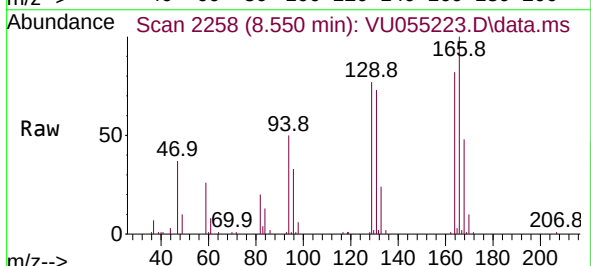
Ion Ratio Lower Upper

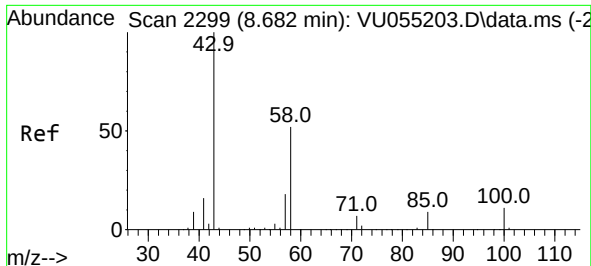
164 100

129 93.9 69.2 128.6

131 88.2 68.8 127.8

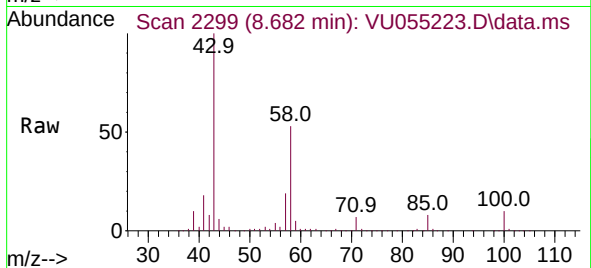
166 121.5 92.3 171.5



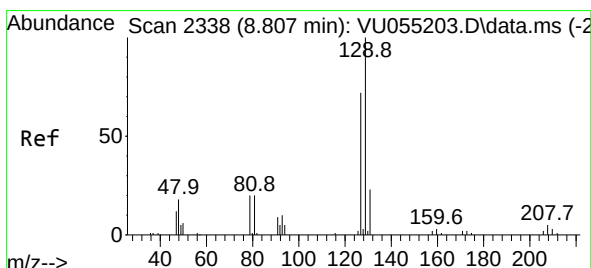
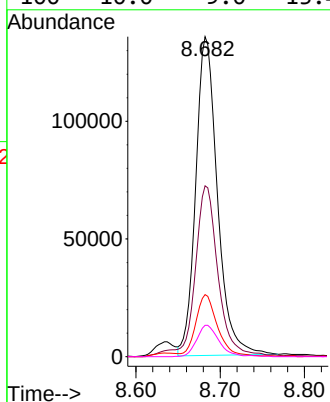
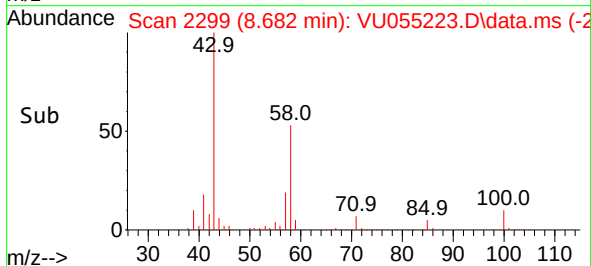


#48
2-Hexanone
Concen: 63.603 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Instrument :
MSVOA_U
ClientSampleId :

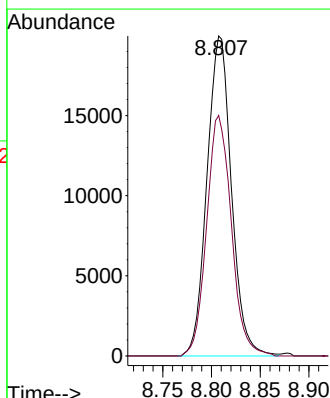
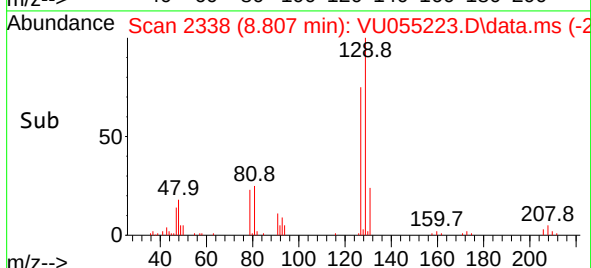
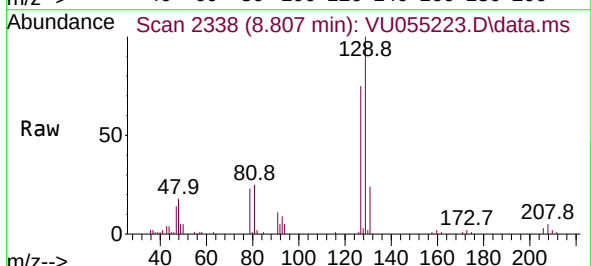


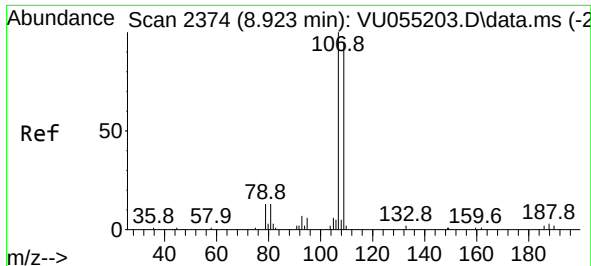
Tgt Ion: 43 Resp: 243427
Ion Ratio Lower Upper
43 100
58 56.9 44.0 66.0
57 19.1 16.2 24.2
100 10.0 9.0 13.4



#49
Dibromochloromethane
Concen: 5.543 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion:129 Resp: 34910
Ion Ratio Lower Upper
129 100
127 75.2 55.9 103.7





#50

1,2-Dibromoethane

Concen: 6.083 ug/L

RT: 8.923 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055223.D

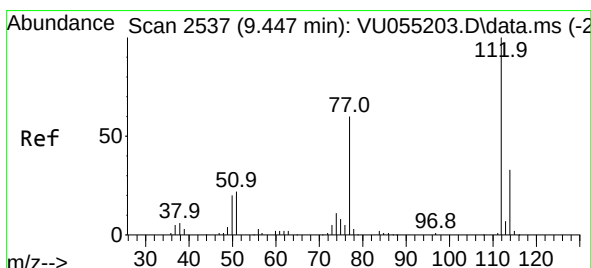
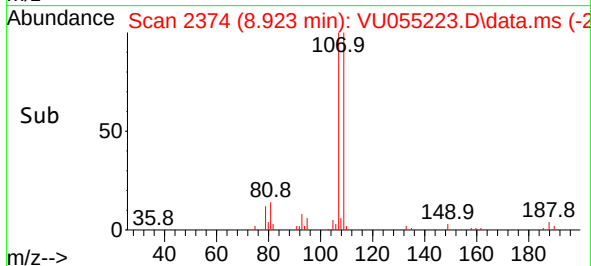
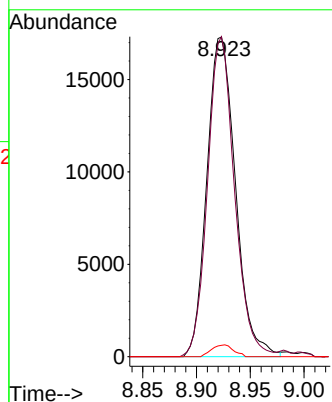
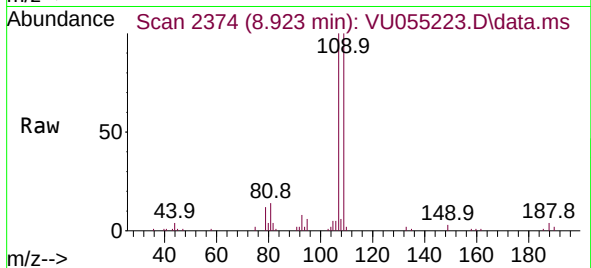
Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	31957
Ion	Ratio	Lower	Upper
107	100		
109	100.1	71.4	132.6
188	3.6	3.1	4.7



#51

Chlorobenzene

Concen: 4.961 ug/L

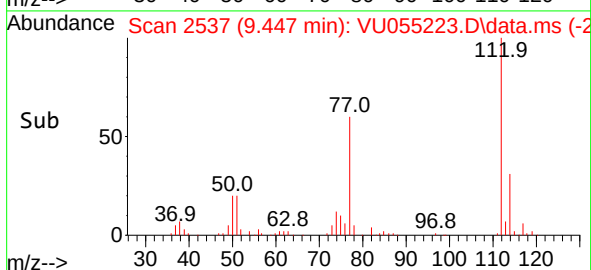
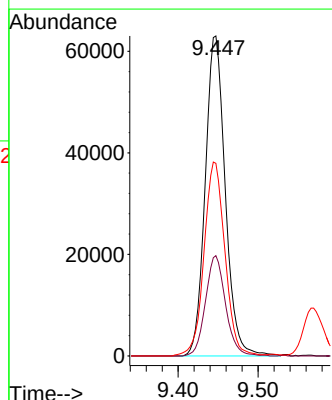
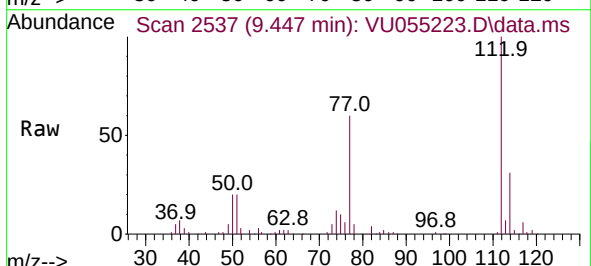
RT: 9.447 min Scan# 2537

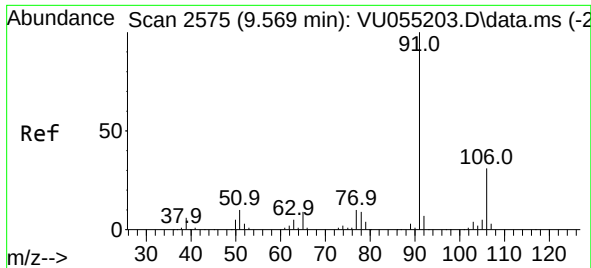
Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Tgt Ion:	112	Resp:	110213
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.7	40.3
77	60.2	48.6	72.8

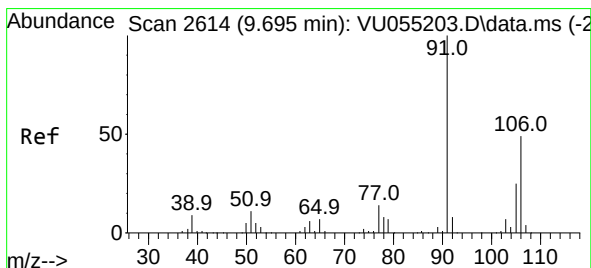
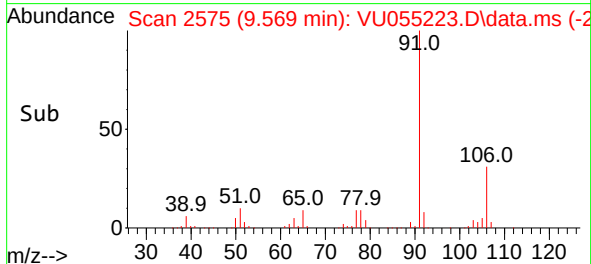
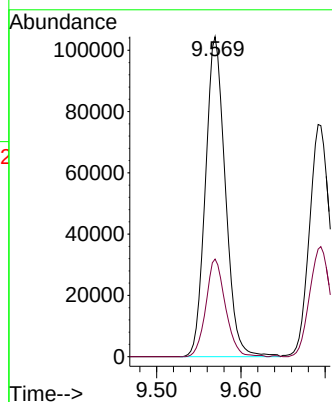
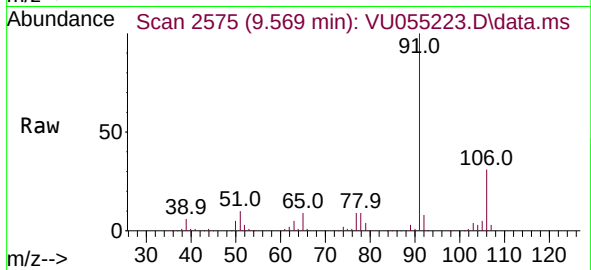




#52
Ethylbenzene
Concen: 4.572 ug/L
RT: 9.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

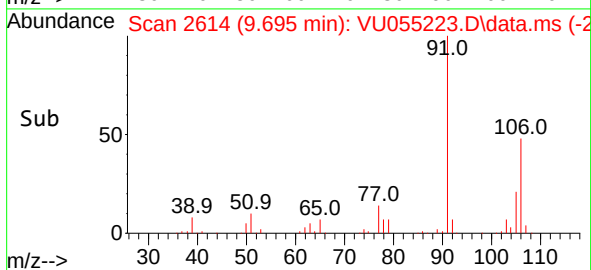
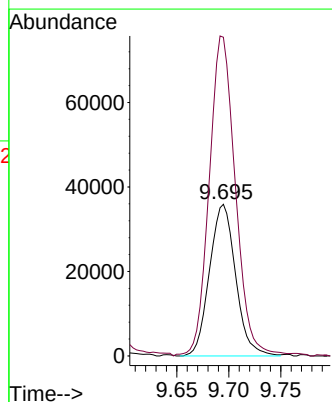
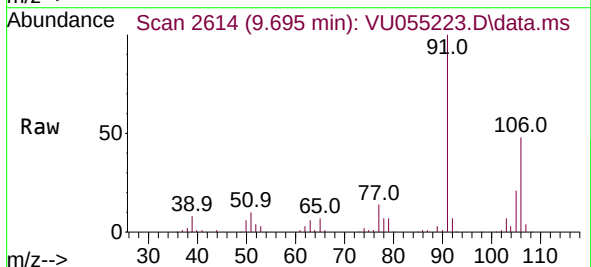
Instrument :
MSVOA_U
ClientSampleId :

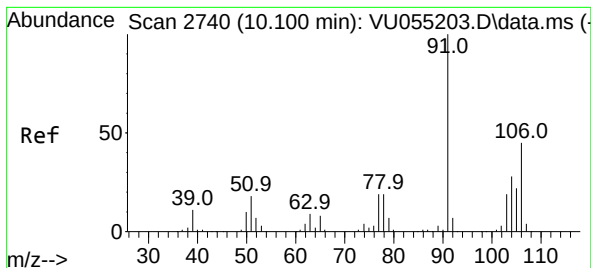
Tgt Ion: 91 Resp: 171549
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 4.528 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 106 Resp: 62876
Ion Ratio Lower Upper
106 100
91 210.0 148.3 275.5





#54

o-Xylene

Concen: 4.723 ug/L

RT: 10.100 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

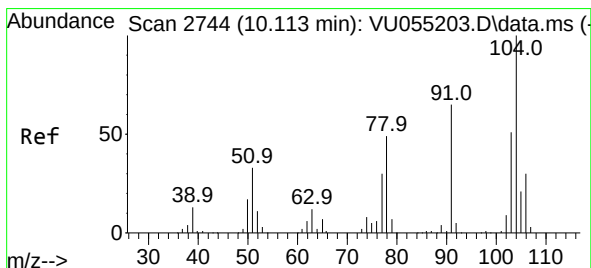
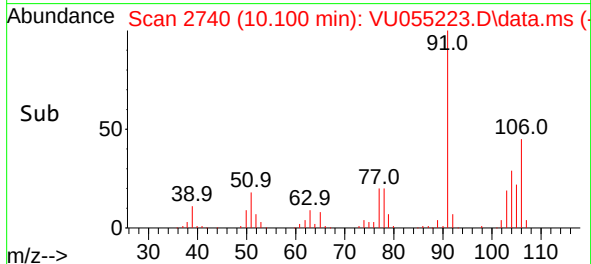
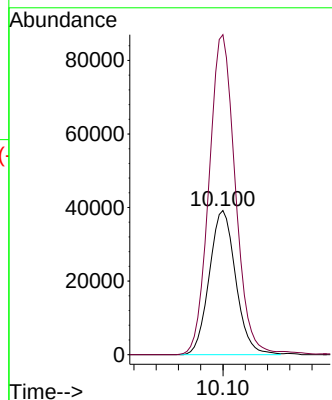
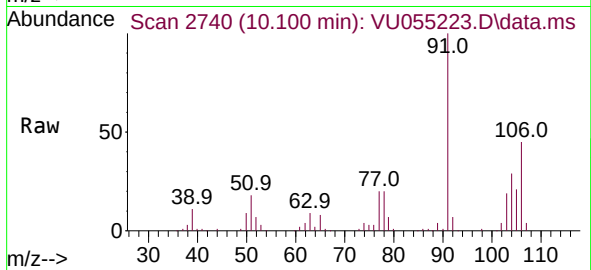
ClientSampleId :

Tgt Ion:106 Resp: 64534

Ion Ratio Lower Upper

106 100

91 222.1 152.9 284.1



#55

Styrene

Concen: 4.784 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU055223.D

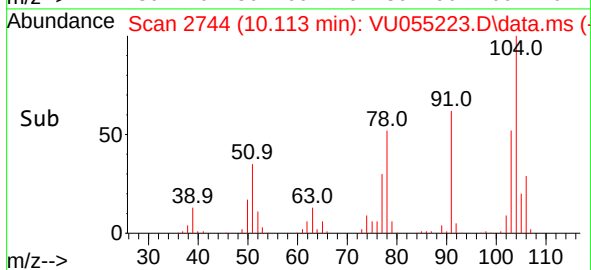
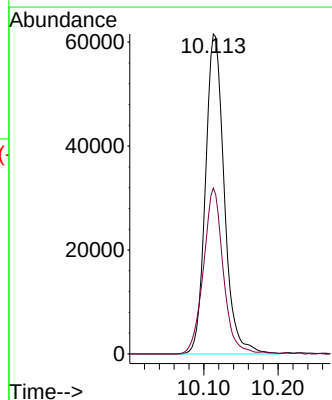
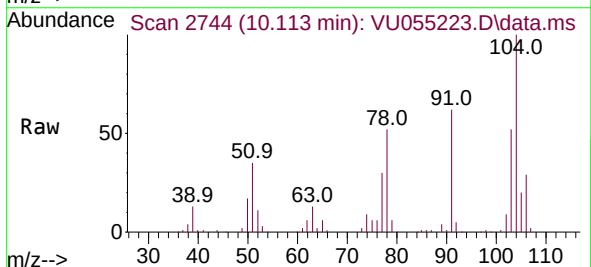
Acq: 08 Sep 2023 06:31

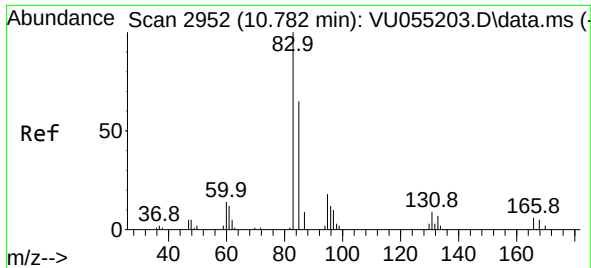
Tgt Ion:104 Resp: 107959

Ion Ratio Lower Upper

104 100

78 51.9 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.282 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

ClientSampleId :

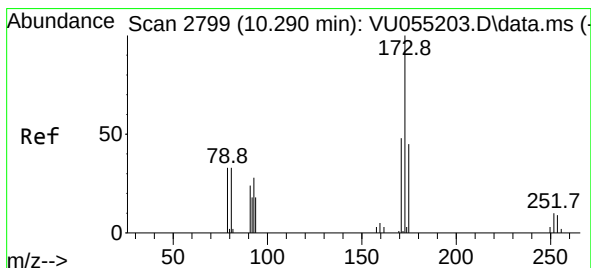
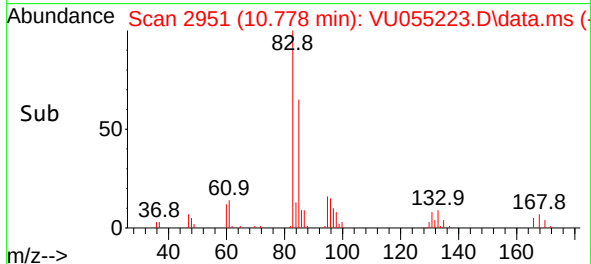
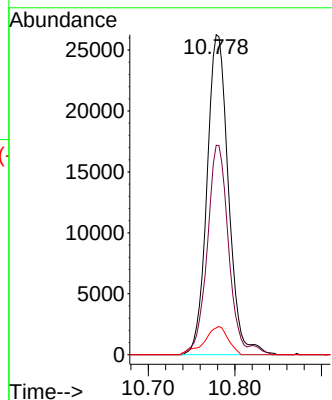
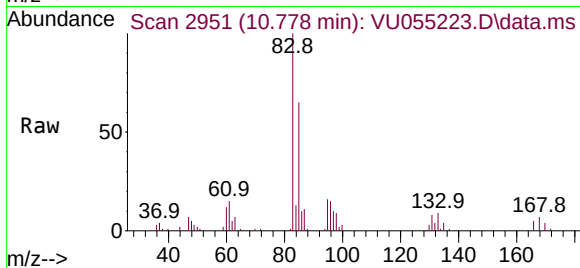
Tgt Ion: 83 Resp: 45149

Ion Ratio Lower Upper

83 100

85 65.4 42.4 78.6

131 8.3 7.6 11.4



#59

Bromoform

Concen: 5.646 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

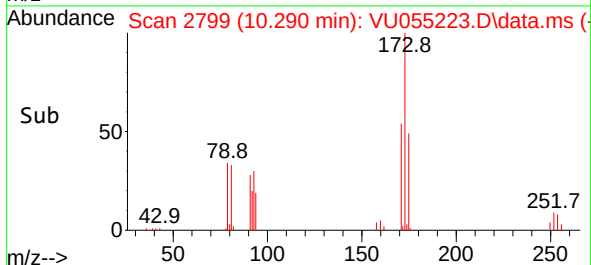
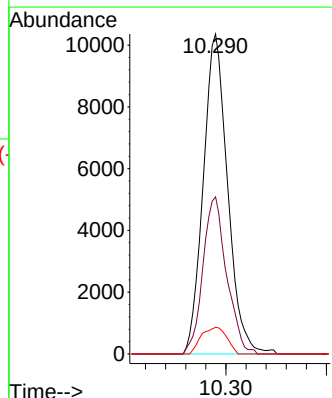
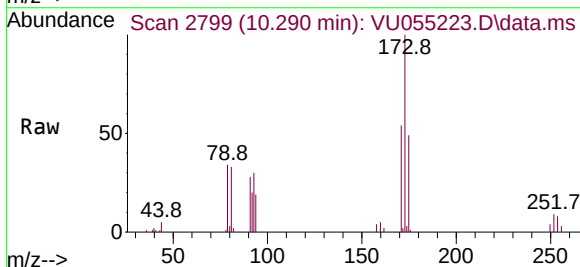
Tgt Ion:173 Resp: 17420

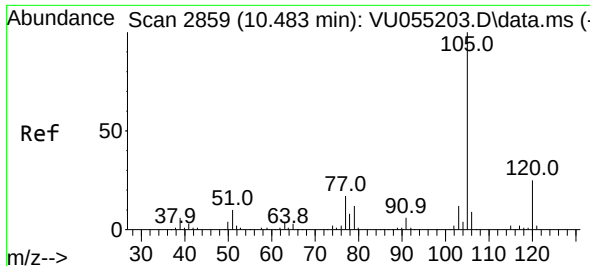
Ion Ratio Lower Upper

173 100

175 47.8 40.9 61.3

254 8.7 7.0 10.4

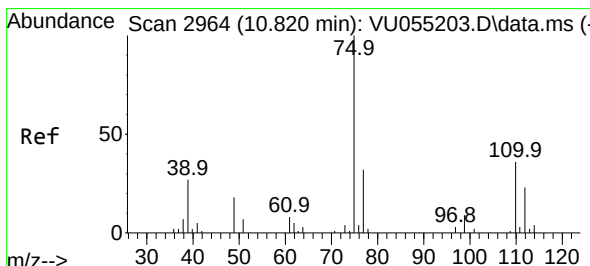
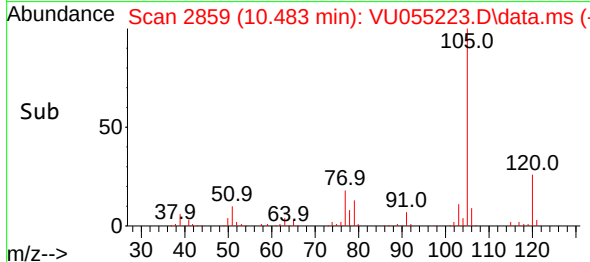
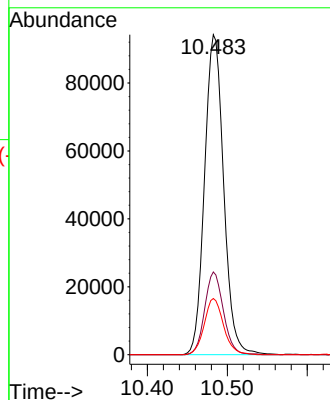
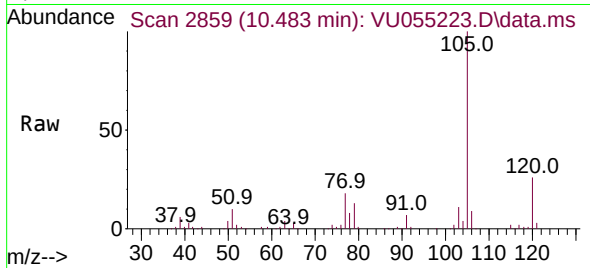




#60
Isopropylbenzene
Concen: 4.352 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

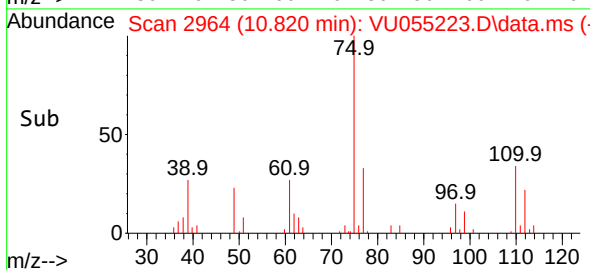
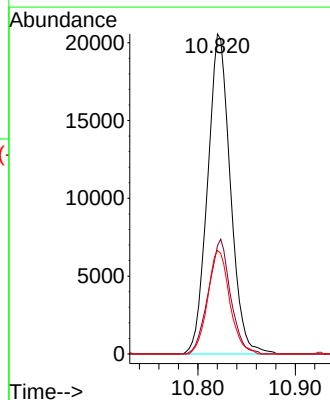
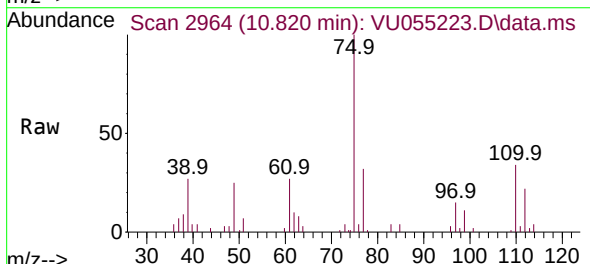
Instrument :
MSVOA_U
ClientSampleId :

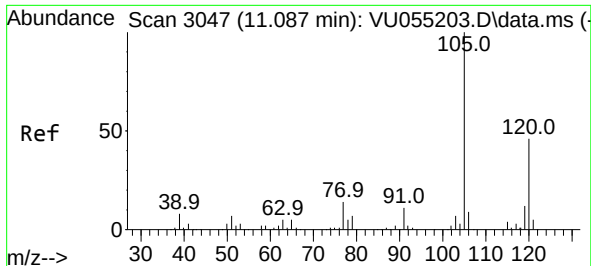
Tgt Ion:105 Resp: 156713
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1
77 17.8 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 6.512 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion: 75 Resp: 33367
Ion Ratio Lower Upper
75 100
110 34.7 28.2 42.2
77 31.4 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.228 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU055223.D

Acq: 08 Sep 2023 06:31

Instrument :

MSVOA_U

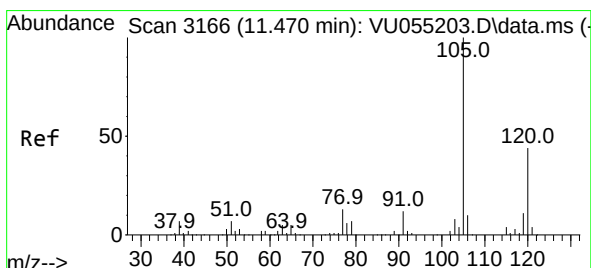
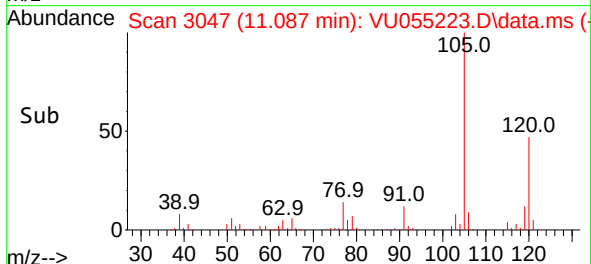
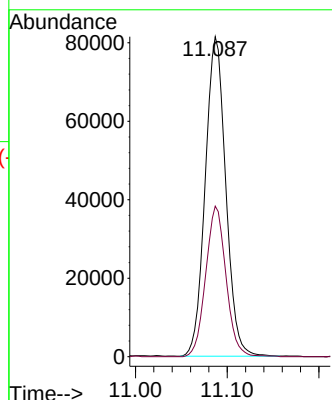
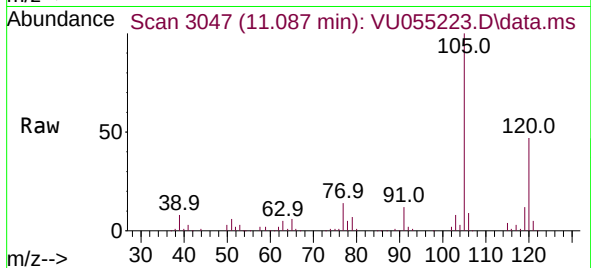
ClientSampleId :

Tgt Ion:105 Resp: 126642

Ion Ratio Lower Upper

105 100

120 46.7 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 3.863 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.003 min

Lab File: VU055223.D

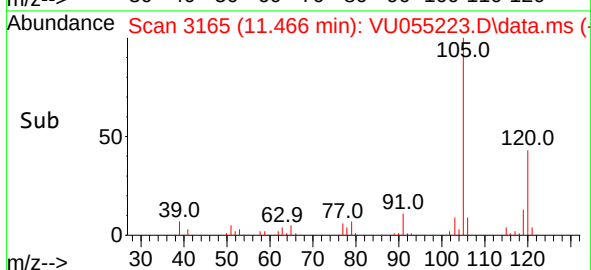
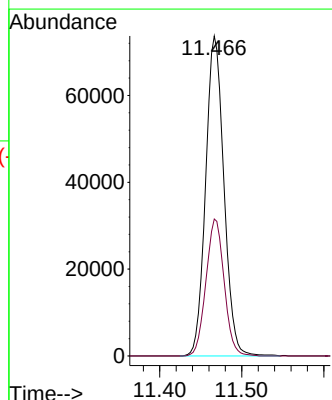
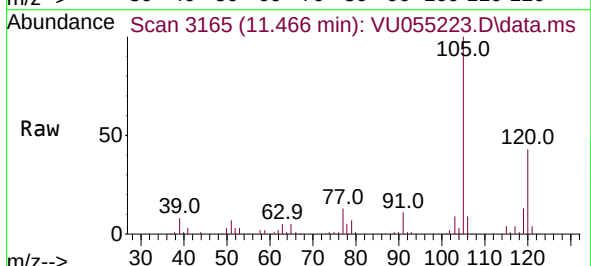
Acq: 08 Sep 2023 06:31

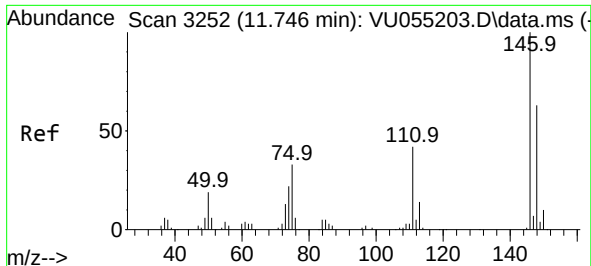
Tgt Ion:105 Resp: 114046

Ion Ratio Lower Upper

105 100

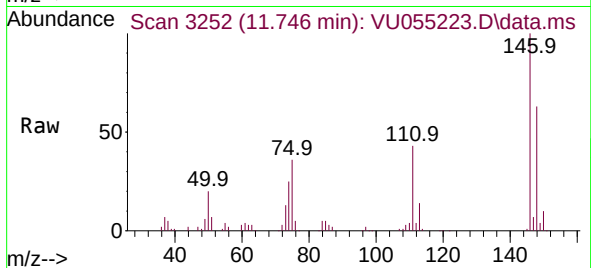
120 42.5 35.4 53.0



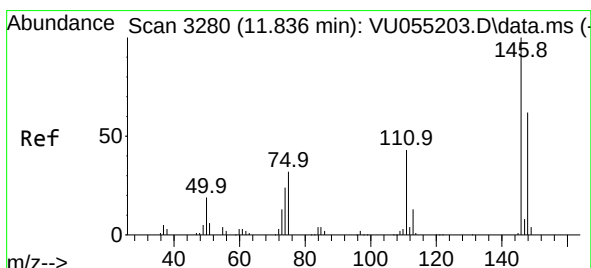
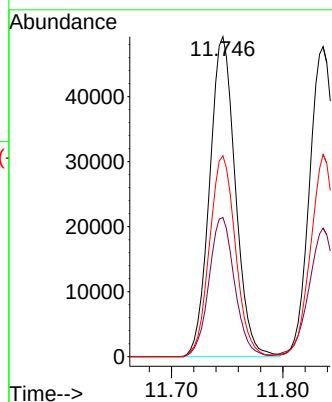
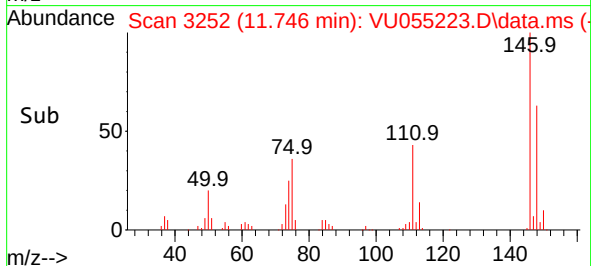


#64
1,3-Dichlorobenzene
Concen: 4.574 ug/L
RT: 11.746 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

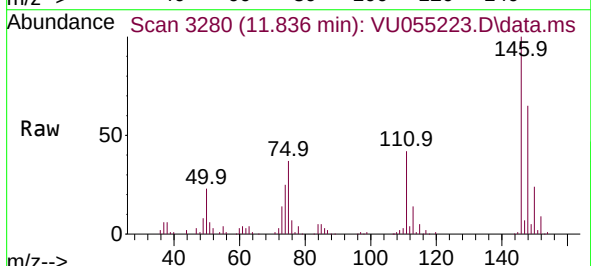
Instrument :
MSVOA_U
ClientSampleId :



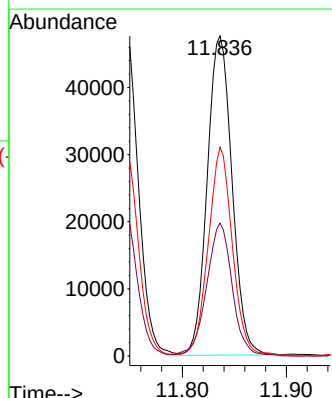
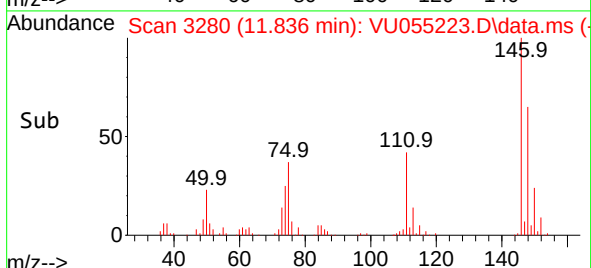
Tgt Ion:146 Resp: 79073
Ion Ratio Lower Upper
146 100
111 43.5 30.0 55.6
148 62.8 45.2 84.0

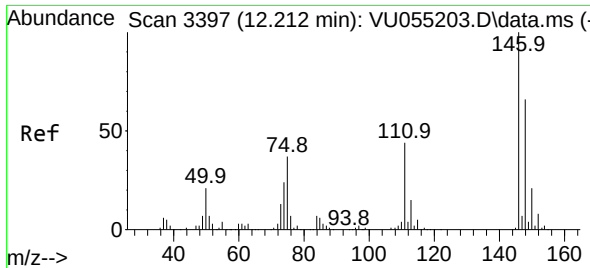


#65
1,4-Dichlorobenzene
Concen: 4.571 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31



Tgt Ion:146 Resp: 78741
Ion Ratio Lower Upper
146 100
111 41.5 28.1 52.1
148 65.2 43.8 81.3

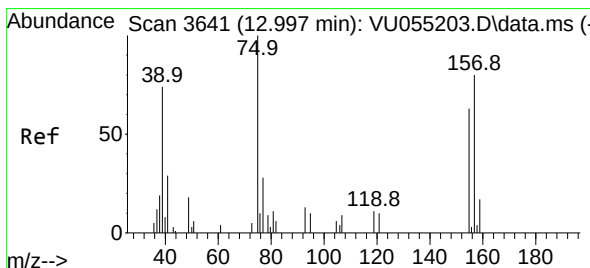
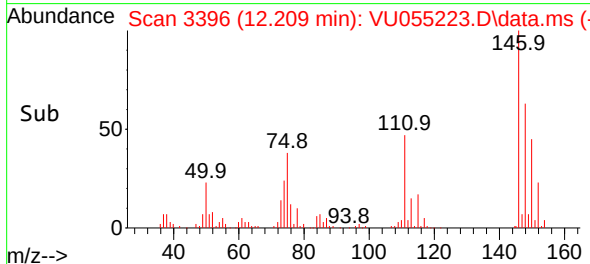
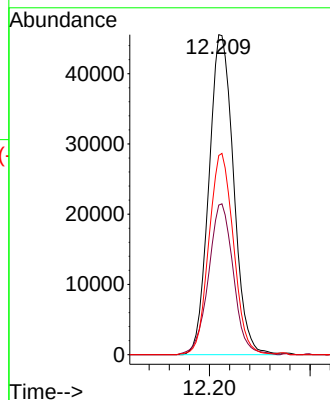
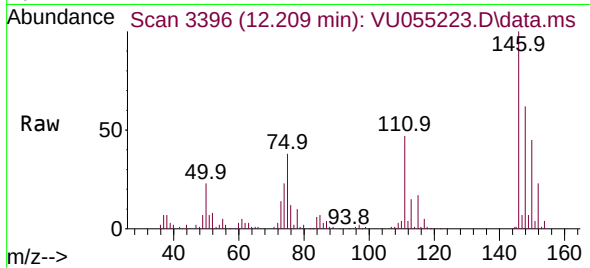




#67
1,2-Dichlorobenzene
Concen: 4.788 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

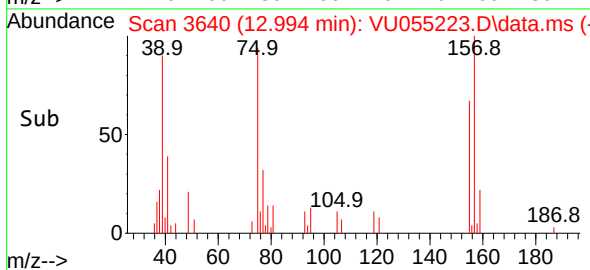
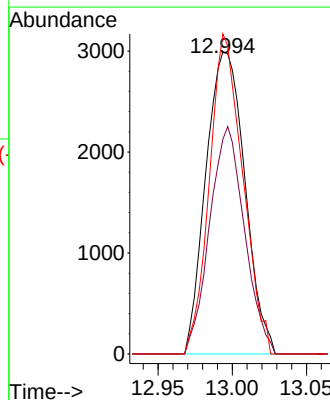
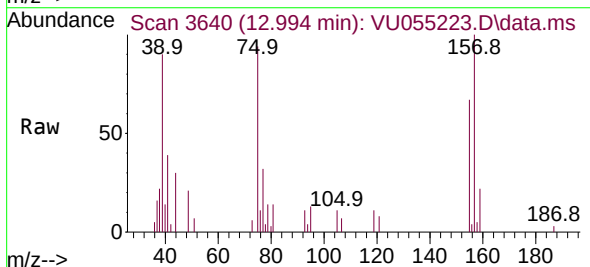
Instrument :
MSVOA_U
ClientSampleId :

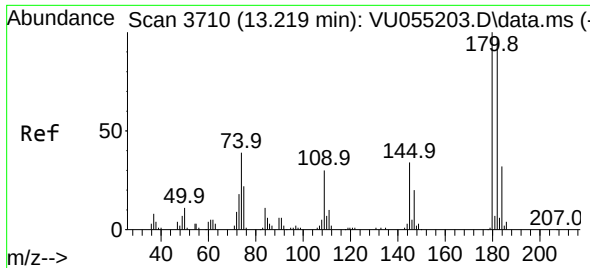
Tgt Ion:146 Resp: 77596
Ion Ratio Lower Upper
146 100
111 46.7 35.6 53.4
148 62.2 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.524 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. -0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

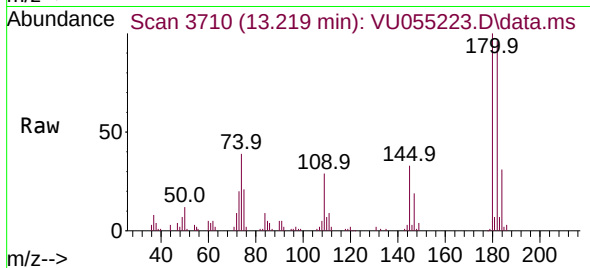
Tgt Ion: 75 Resp: 5453
Ion Ratio Lower Upper
75 100
155 71.1 61.1 91.7
157 105.9 66.8 100.2#



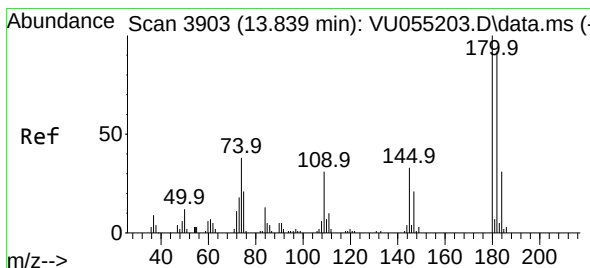
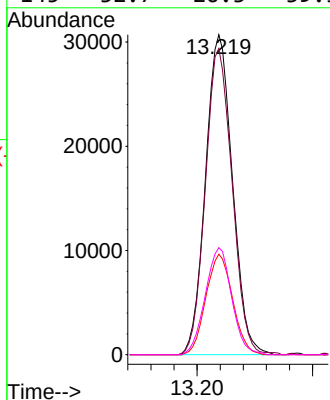
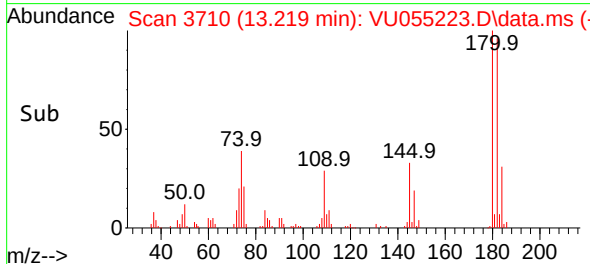


#69
 1,3,5-Trichlorobenzene
 Concen: 3.803 ug/L
 RT: 13.219 min Scan# 3710
 Delta R.T. -0.000 min
 Lab File: VU055223.D
 Acq: 08 Sep 2023 06:31

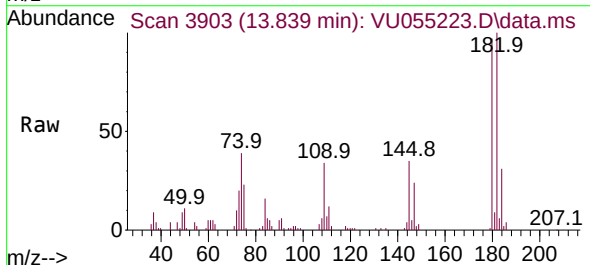
Instrument :
 MSVOA_U
 ClientSampleId :



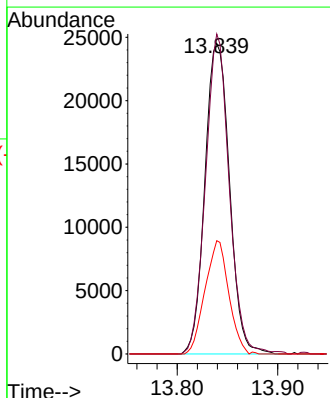
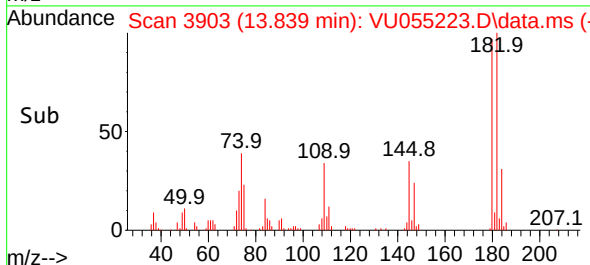
Tgt Ion:180 Resp: 49677
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 184 31.1 24.0 36.0
 145 32.7 26.3 39.5

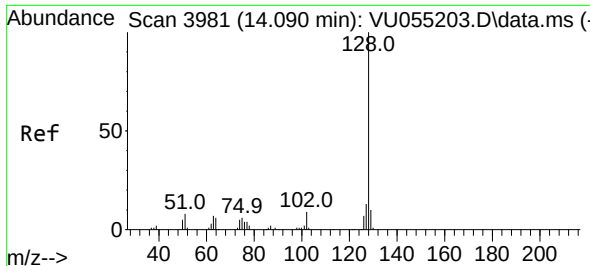


#70
 1,2,4-trichlorobenzene
 Concen: 3.406 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. -0.000 min
 Lab File: VU055223.D
 Acq: 08 Sep 2023 06:31



Tgt Ion:180 Resp: 41725
 Ion Ratio Lower Upper
 180 100
 182 99.2 73.6 110.4
 145 35.1 25.8 38.8

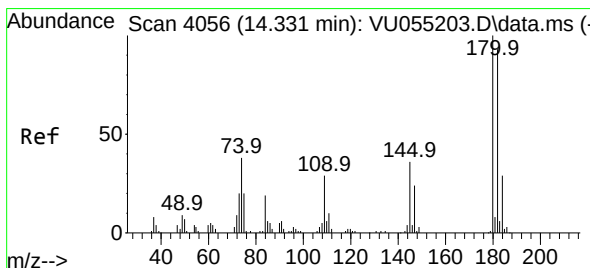
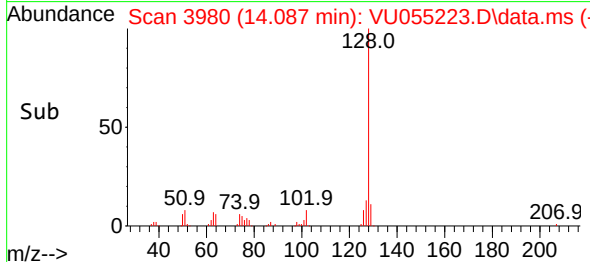
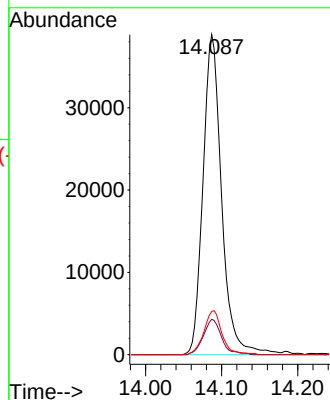
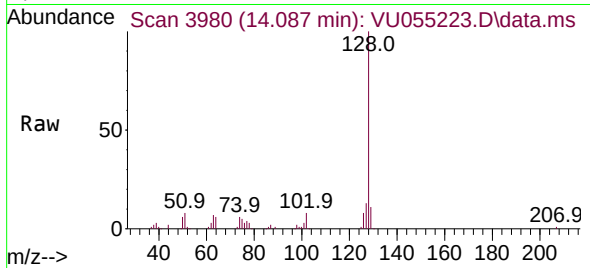




#71
Naphthalene
Concen: 2.972 ug/L
RT: 14.087 min Scan# 3981
Delta R.T. -0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 66174
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.2
127 13.3 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 3.501 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.003 min
Lab File: VU055223.D
Acq: 08 Sep 2023 06:31

Tgt Ion:180 Resp: 37226
Ion Ratio Lower Upper
180 100
182 94.8 75.6 113.4
145 34.7 27.0 40.6

