

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055892.D
 Acq On : 26 Oct 2023 09:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 02:41:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	621520	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	608174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	332512	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	255565	45.843	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.680%		
7) Chloroethane-d5	1.907	69	206314	45.275	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.540%		
11) 1,1-Dichloroethene-d2	2.567	63	460263	46.303	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.600%		
21) 2-Butanone-d5	4.615	46	269115	65.148	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	65.150%		
24) Chloroform-d	5.058	84	479803	44.894	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.780%		
26) 1,2-Dichloroethane-d4	5.698	65	291559	44.322	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.640%		
32) Benzene-d6	5.724	84	967966	49.744	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.480%		
36) 1,2-Dichloropropane-d6	6.689	67	298303	48.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.840%		
41) Toluene-d8	7.894	98	892511	50.795	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.600%		
43) trans-1,3-Dichloroprop...	8.177	79	142349	48.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.200%		
47) 2-Hexanone-d5	8.627	63	227341	93.874	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.870%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	425054	44.827	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.660%		
66) 1,2-Dichlorobenzene-d4	12.190	152	343153	52.005	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	229658	44.378	ug/L	100
3) Chloromethane	1.522	50	229342	46.835	ug/L	100
5) Vinyl chloride	1.605	62	249813	46.357	ug/L	98
6) Bromomethane	1.850	94	141705	41.134	ug/L	96
8) Chloroethane	1.930	64	159393	45.093	ug/L	99
9) Trichlorofluoromethane	2.136	101	358520	46.565	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	242017	48.877	ug/L	97
12) 1,1-Dichloroethene	2.579	96	214746	48.737	ug/L	90
13) Acetone	2.615	43	295486	77.083	ug/L	96
14) Carbon disulfide	2.792	76	578543	43.146	ug/L	99
15) Methyl Acetate	2.940	43	219781	37.437	ug/L	96
16) Methylene chloride	3.042	84	268046	50.164	ug/L	92
17) trans-1,2-Dichloroethene	3.351	96	219656	48.752	ug/L	93
18) Methyl tert-butyl Ether	3.358	73	751360	51.854	ug/L	98
19) 1,1-Dichloroethane	3.866	63	434863	47.064	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	257414	50.059	ug/L	95
22) 2-Butanone	4.692	43	337737	73.097	ug/L	99
23) Bromochloromethane	4.972	128	130318	48.934	ug/L	96
25) Chloroform	5.084	83	466434	48.324	ug/L	98

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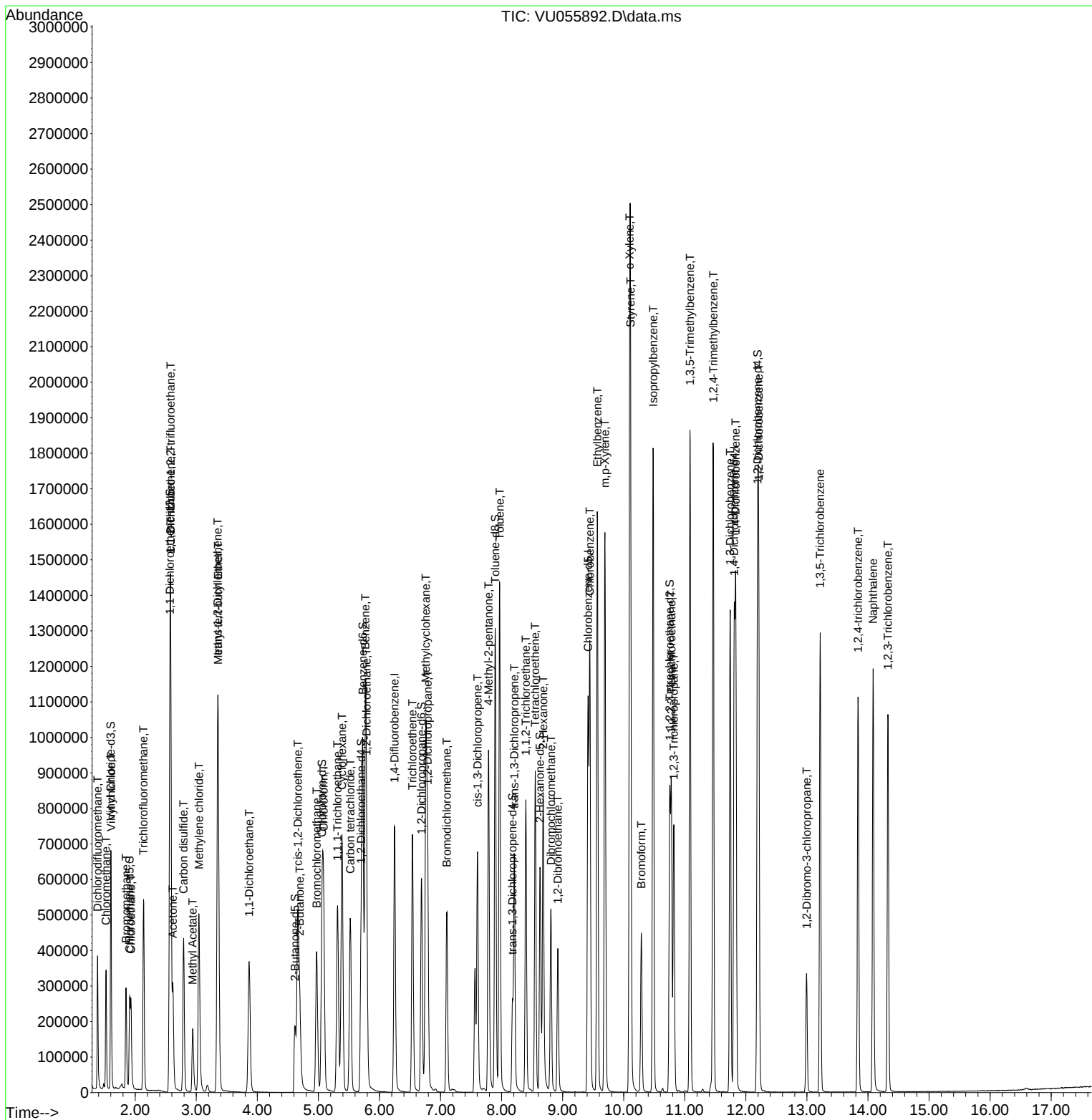
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 MSVOA_U
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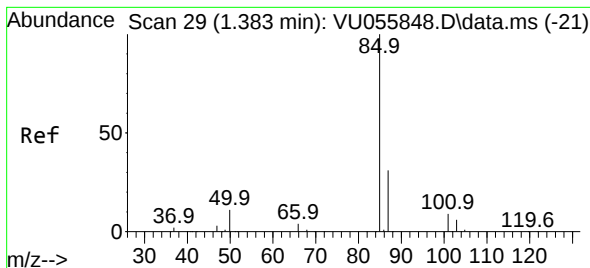
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	345289	44.727	ug/L	97
29) Cyclohexane	5.386	56	377896	54.210	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	398837	50.760	ug/L	97
31) Carbon tetrachloride	5.521	117	346325	50.356	ug/L	98
33) Benzene	5.769	78	984111	51.190	ug/L	100
34) Trichloroethene	6.541	95	260640	49.549	ug/L	98
35) Methylcyclohexane	6.759	83	413008	54.115	ug/L	100
37) 1,2-Dichloropropane	6.788	63	268818	50.779	ug/L	99
38) Bromodichloromethane	7.103	83	346933	49.695	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	426093	52.905	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	610513	82.897	ug/L	95
42) Toluene	7.968	91	1065405	52.520	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	394199	51.155	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	259547	49.722	ug/L	98
46) Tetrachloroethene	8.550	164	197110	52.337	ug/L	97
48) 2-Hexanone	8.679	43	513754	82.588	ug/L	96
49) Dibromochloromethane	8.808	129	270240	50.667	ug/L	99
50) 1,2-Dibromoethane	8.920	107	272380	48.581	ug/L	97
51) Chlorobenzene	9.444	112	676237	51.523	ug/L	99
52) Ethylbenzene	9.566	91	1184411	53.405	ug/L	99
53) m,p-Xylene	9.692	106	460778	55.457	ug/L	98
54) o-Xylene	10.097	106	441958	54.968	ug/L	98
55) Styrene	10.113	104	767602	56.356	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	426833	47.754	ug/L	99
59) Bromoform	10.287	173	208023	50.821	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	328258	45.487	ug/L	98
61) Isopropylbenzene	10.483	105	1201364	57.955	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1023068	60.994	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	1029459	62.069	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	554270	54.090	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	558316	52.993	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	551417	54.224	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	90759	42.067	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	396039	57.941	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	338250	59.411	ug/L	100
71) Naphthalene	14.084	128	956215	56.539	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	323884	57.699	ug/L	98

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

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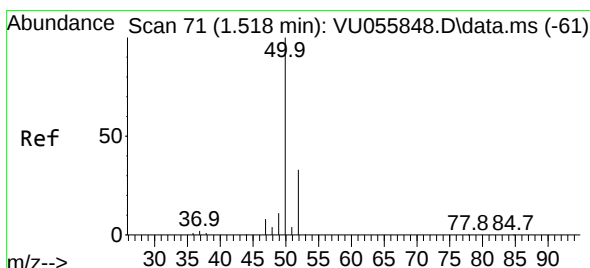
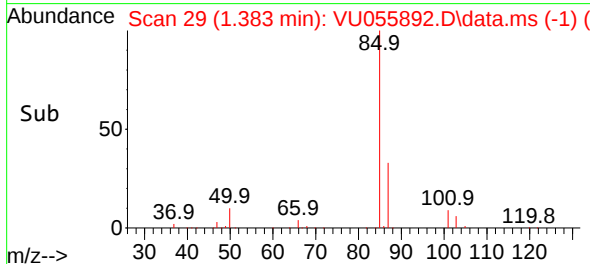
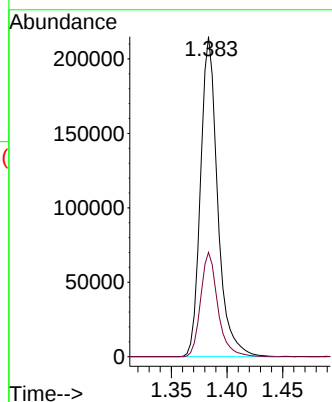
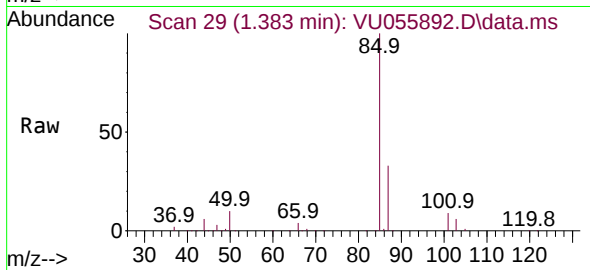




#2
 Dichlorodifluoromethane
 Concen: 44.378 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

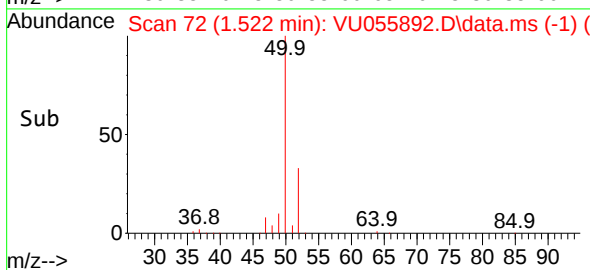
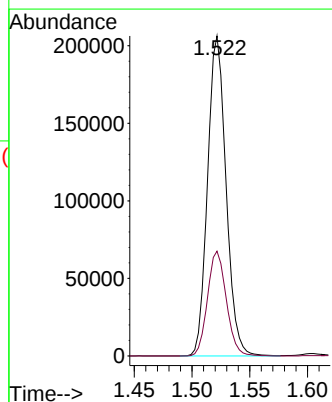
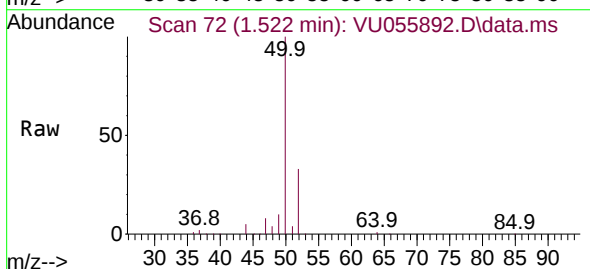
Instrument :
 MSVOA_U
 ClientSampleId :

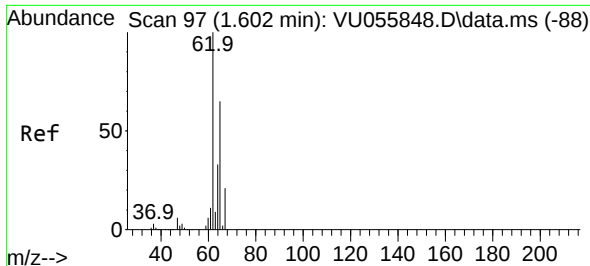
Tgt Ion: 85 Resp: 229658
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 46.835 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

Tgt Ion: 50 Resp: 229342
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.8 42.4

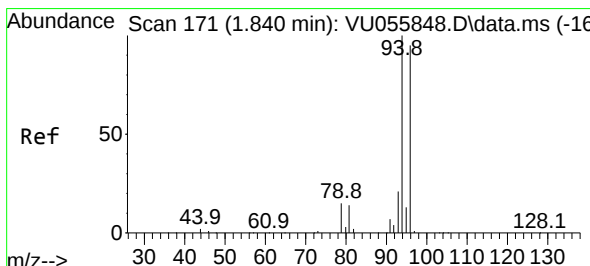
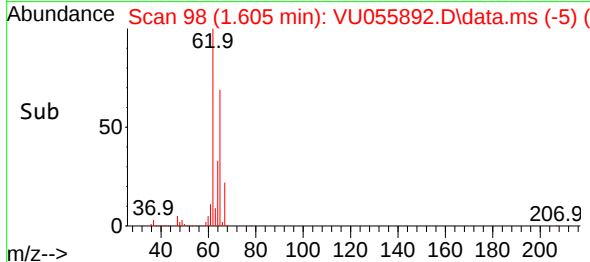
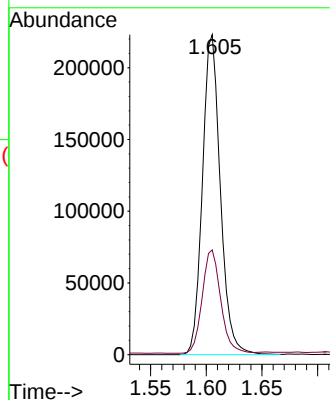
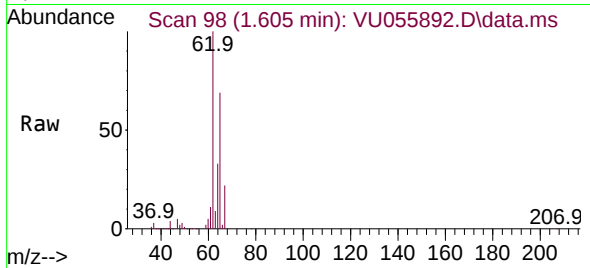




#5
 Vinyl chloride
 Concen: 46.357 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

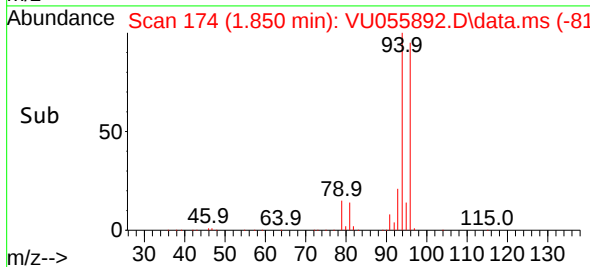
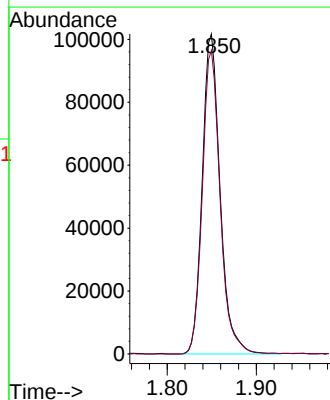
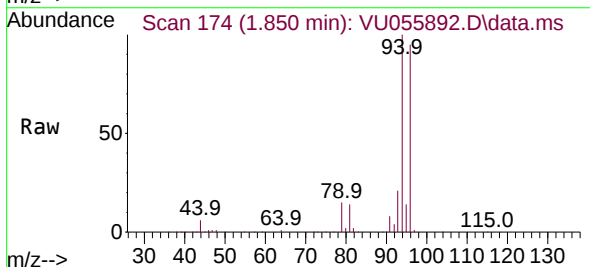
Instrument :
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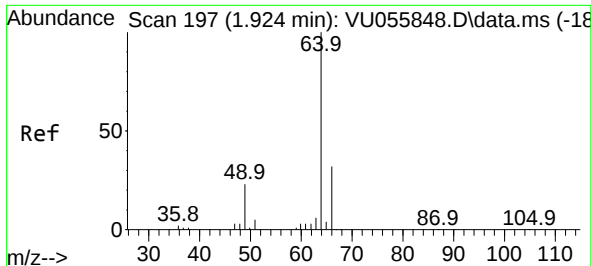
Tgt Ion: 62 Resp: 249813
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.9 44.5



#6
 Bromomethane
 Concen: 41.134 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

Tgt Ion: 94 Resp: 141705
 Ion Ratio Lower Upper
 94 100
 96 94.8 63.5 117.9

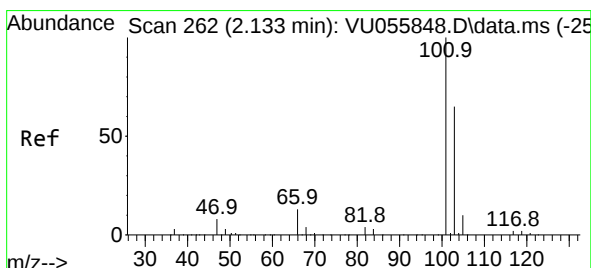
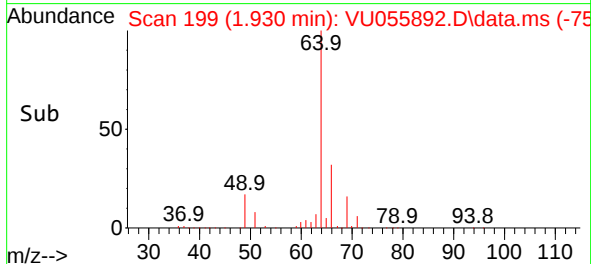
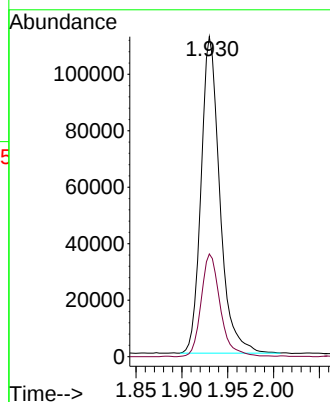
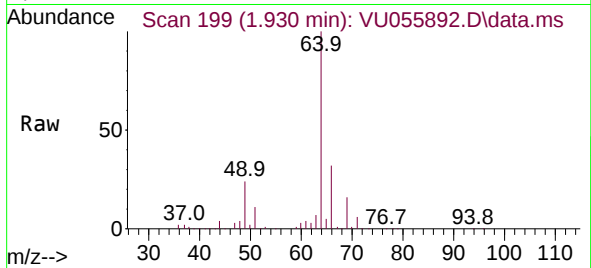




#8
Chloroethane
Concen: 45.093 ug/L
RT: 1.930 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

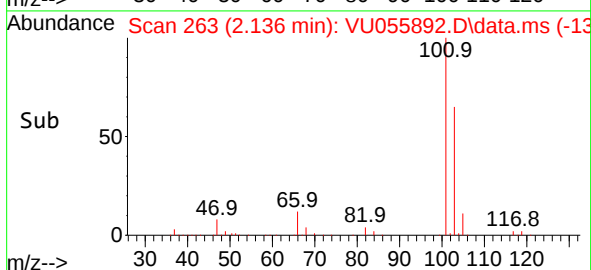
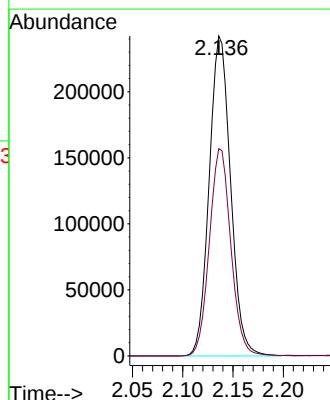
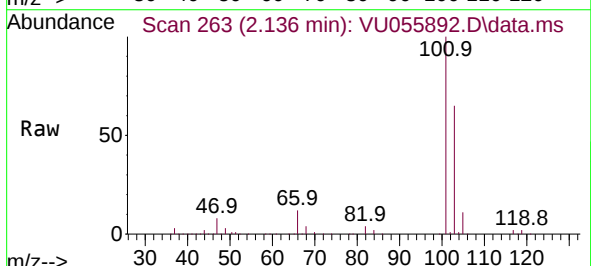
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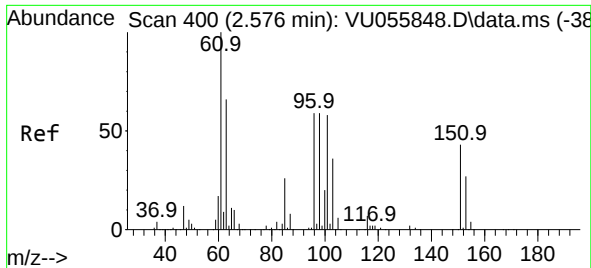
Tgt Ion: 64 Resp: 159393
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.565 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion:101 Resp: 358520
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9

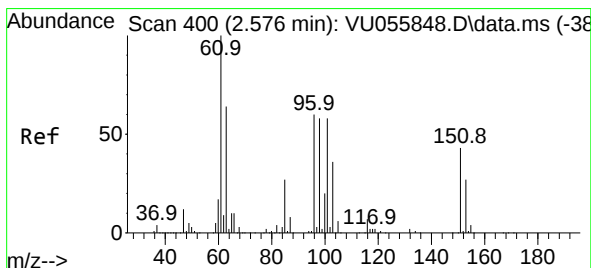
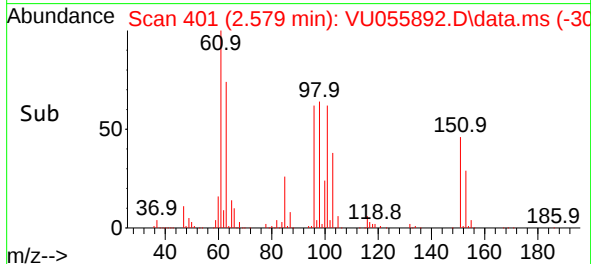
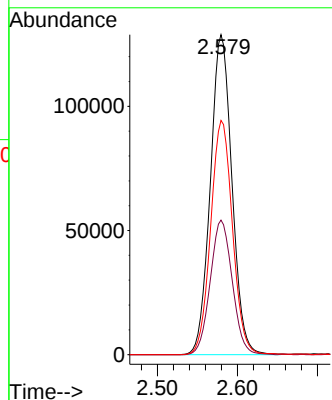
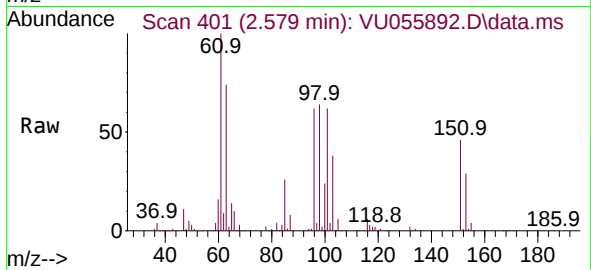




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.877 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

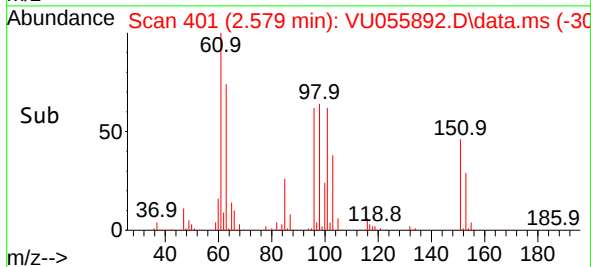
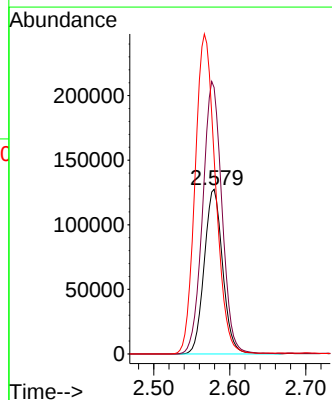
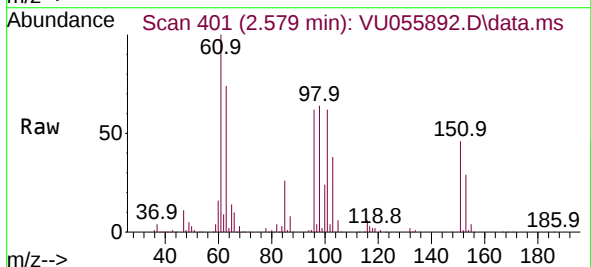
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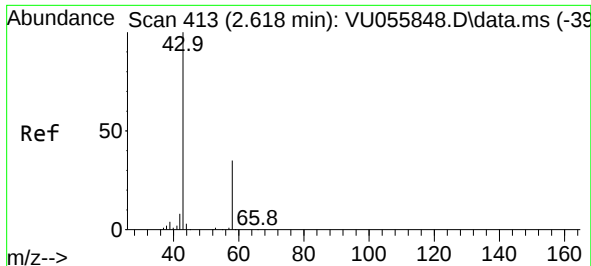
Tgt Ion:101 Resp: 242017
Ion Ratio Lower Upper
101 100
85 42.8 37.1 55.7
151 73.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 48.737 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 96 Resp: 214746
Ion Ratio Lower Upper
96 100
61 161.9 122.0 226.6
63 119.4 93.7 174.1





#13

Acetone

Concen: 77.083 ug/L

RT: 2.615 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

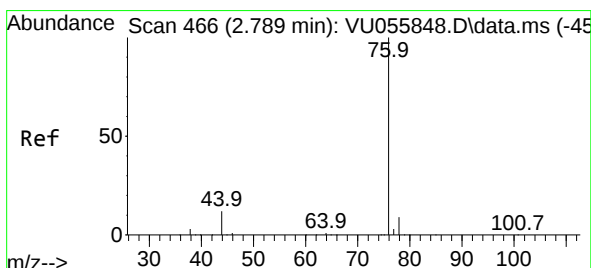
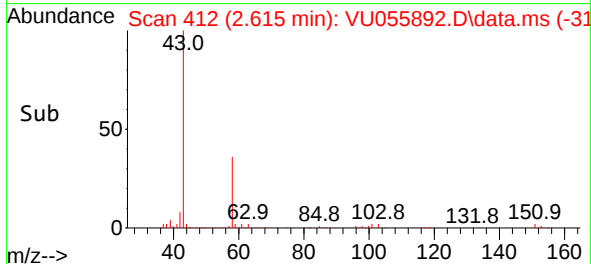
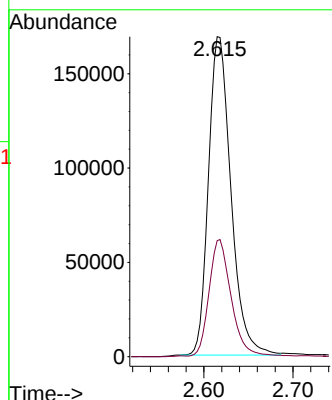
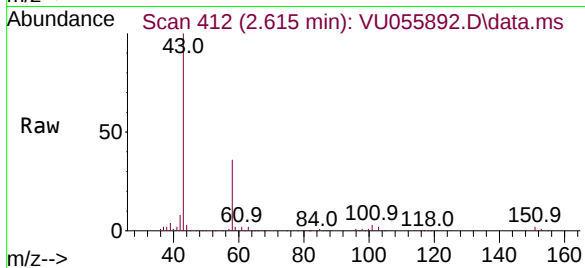
ClientSampleId :

Tgt Ion: 43 Resp: 295486

Ion Ratio Lower Upper

43 100

58 35.9 0.0 67.4



#14

Carbon disulfide

Concen: 43.146 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055892.D

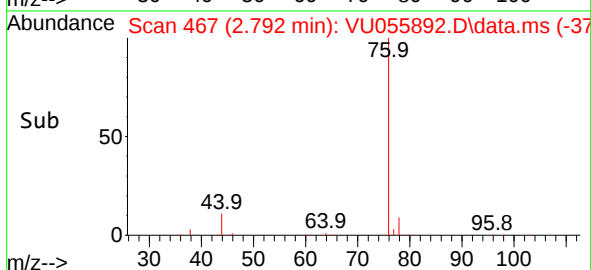
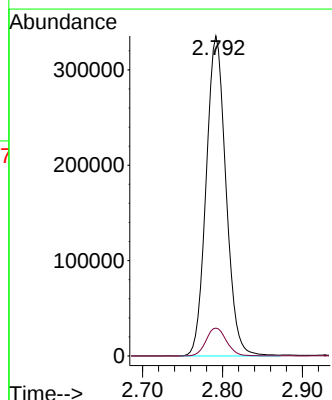
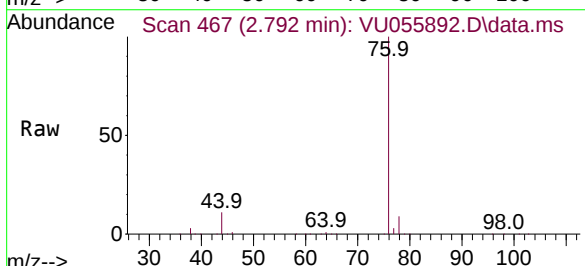
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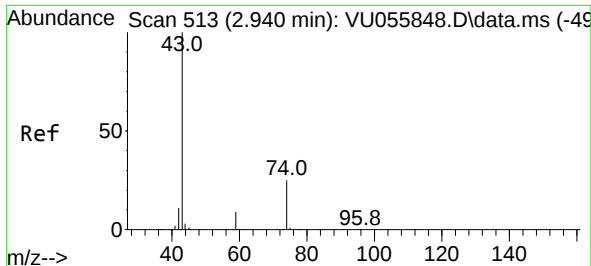
Tgt Ion: 76 Resp: 578543

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

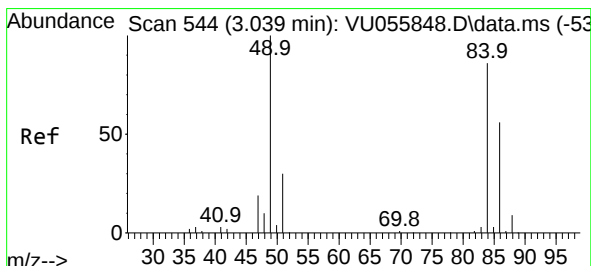
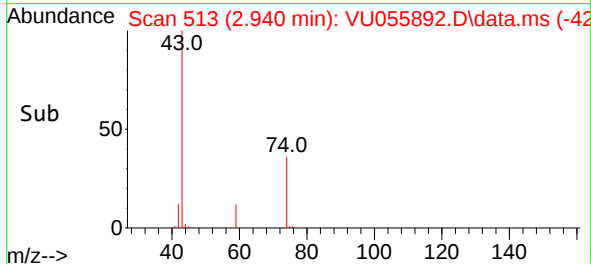
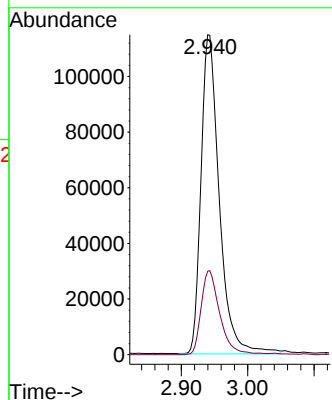
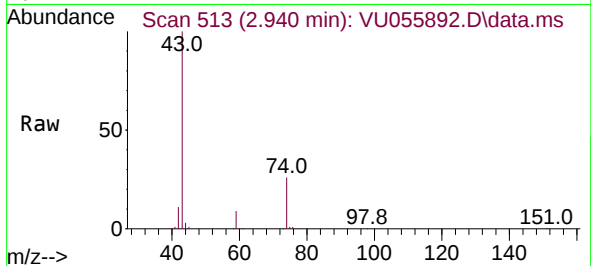




#15
Methyl Acetate
Concen: 37.437 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

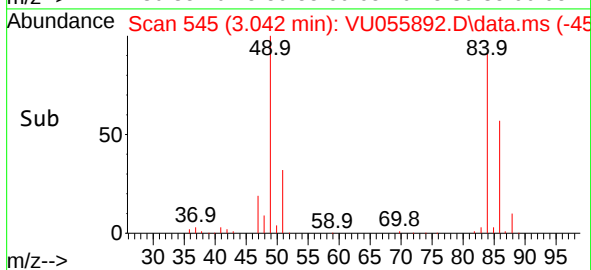
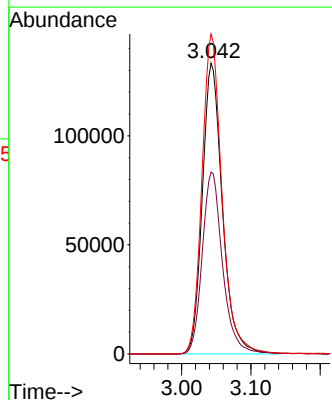
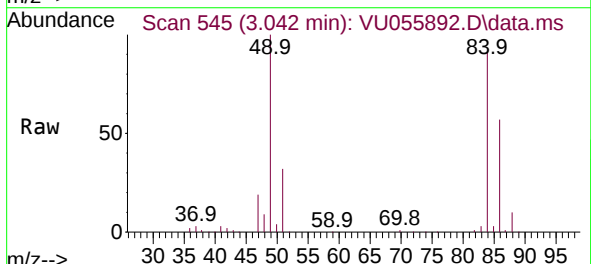
Instrument :
MSVOA_U
ClientSampleId :

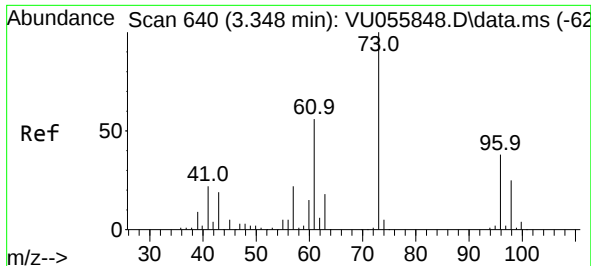
Tgt Ion: 43 Resp: 219781
Ion Ratio Lower Upper
43 100
74 26.6 19.5 29.3



#16
Methylene chloride
Concen: 50.164 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 84 Resp: 268046
Ion Ratio Lower Upper
84 100
86 62.6 46.3 86.1
49 110.1 84.8 157.6

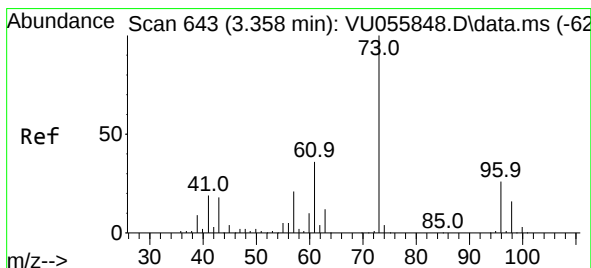
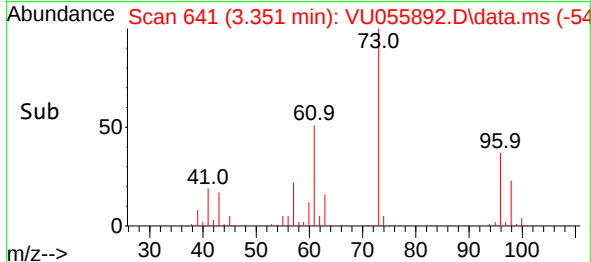
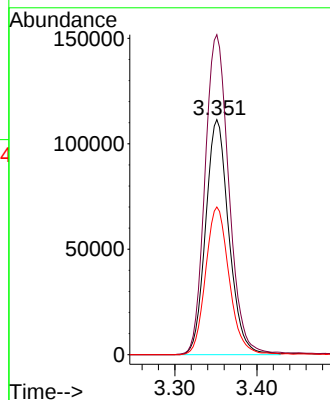
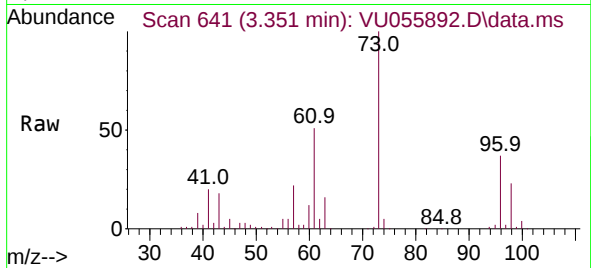




#17
trans-1,2-Dichloroethene
Concen: 48.752 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

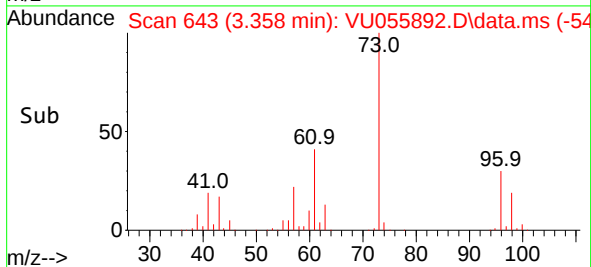
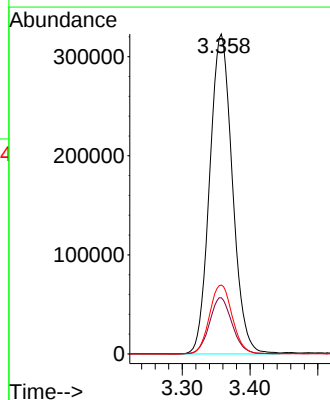
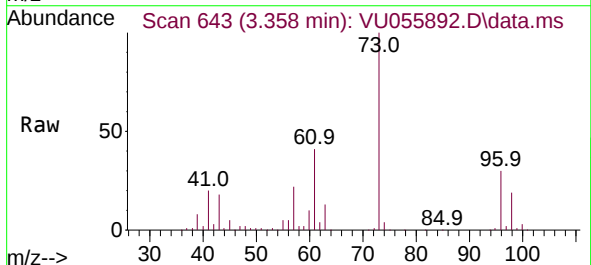
Instrument :
MSVOA_U
ClientSampleId :

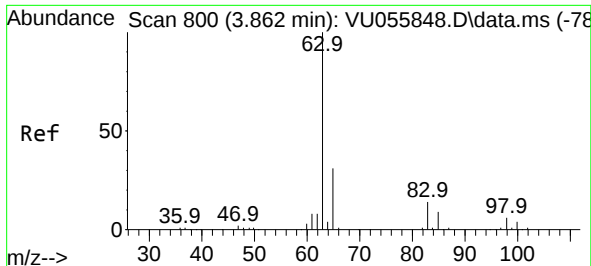
Tgt Ion: 96 Resp: 219656
Ion Ratio Lower Upper
96 100
61 136.1 102.1 189.7
98 62.8 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 51.854 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 73 Resp: 751360
Ion Ratio Lower Upper
73 100
43 17.4 15.4 23.2
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 47.064 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

ClientSampleId :

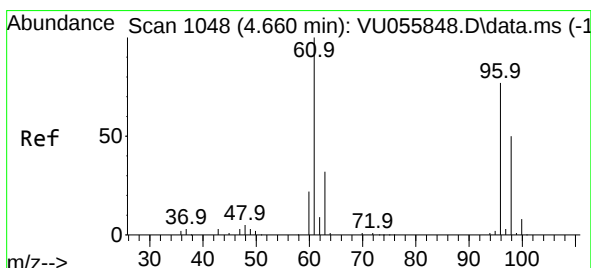
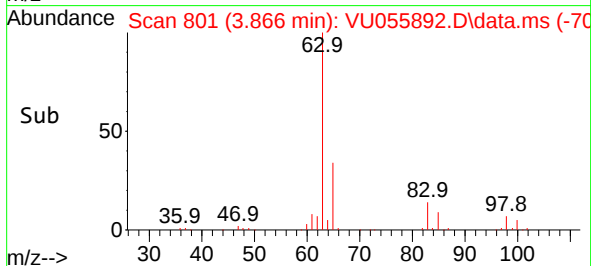
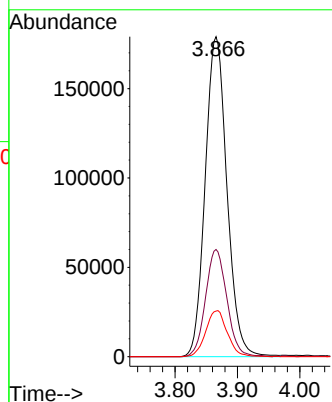
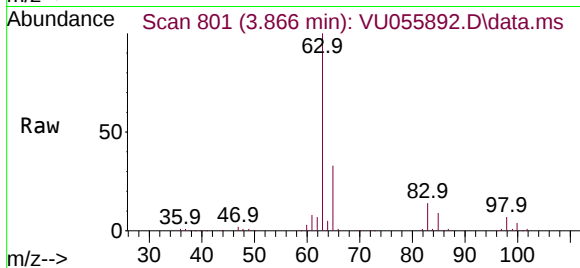
Tgt Ion: 63 Resp: 434863

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.5

83 14.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.059 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

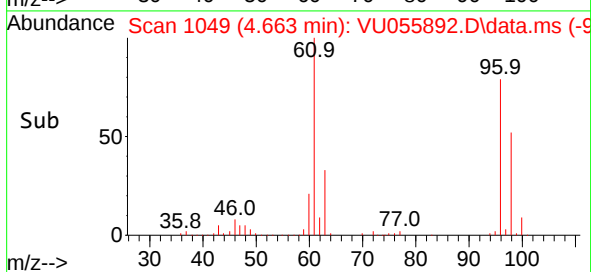
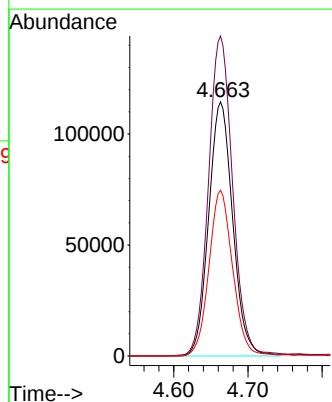
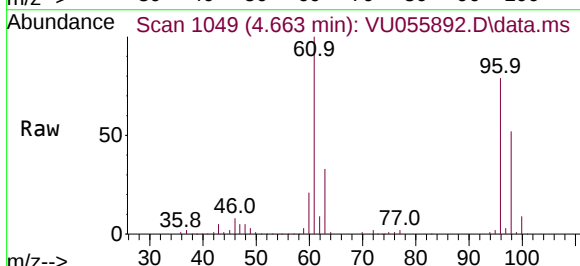
Tgt Ion: 96 Resp: 257414

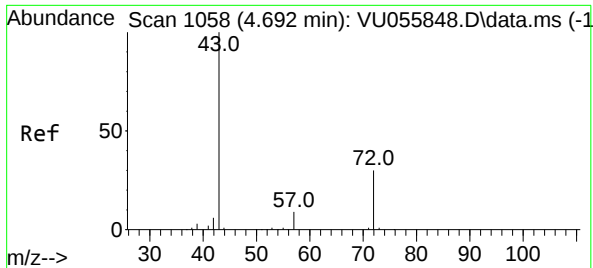
Ion Ratio Lower Upper

96 100

61 125.9 92.3 171.5

98 65.2 43.9 81.5

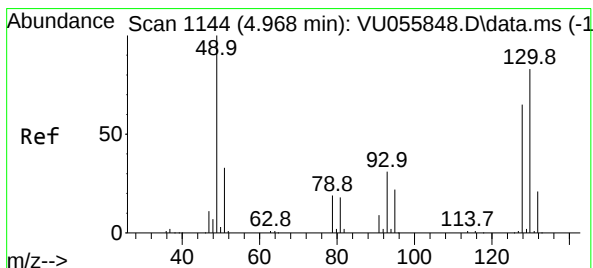
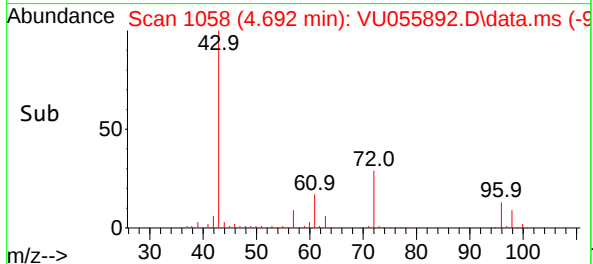
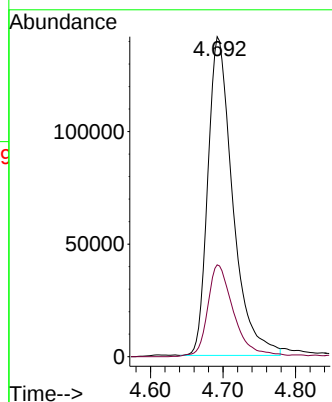
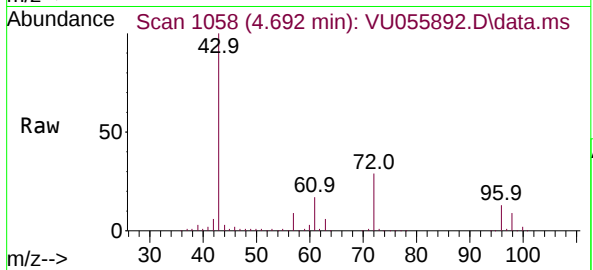




#22
2-Butanone
Concen: 73.097 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

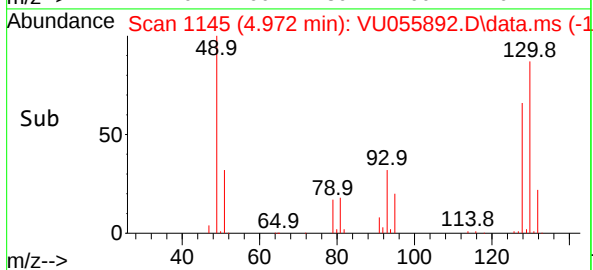
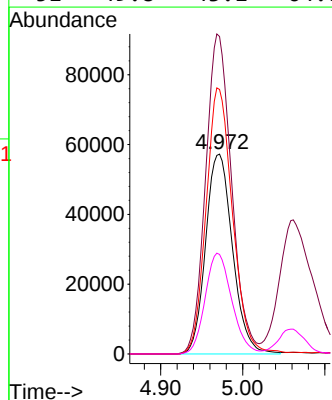
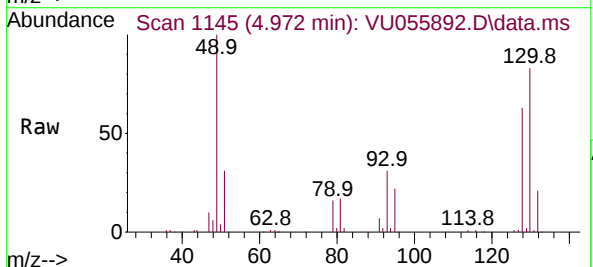
Instrument :
MSVOA_U
ClientSampleId :

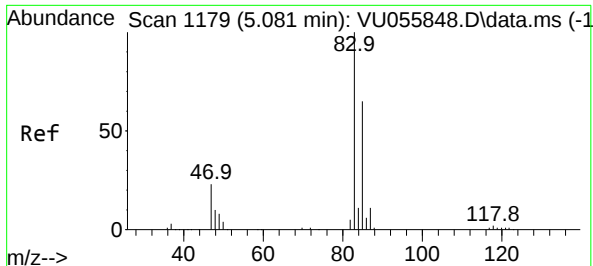
Tgt Ion: 43 Resp: 337737
Ion Ratio Lower Upper
43 100
72 29.9 14.6 44.0



#23
Bromochloromethane
Concen: 48.934 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion:128 Resp: 130318
Ion Ratio Lower Upper
128 100
49 158.8 116.3 216.1
130 132.3 91.6 170.0
51 49.8 43.1 64.7





#25

Chloroform

Concen: 48.324 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

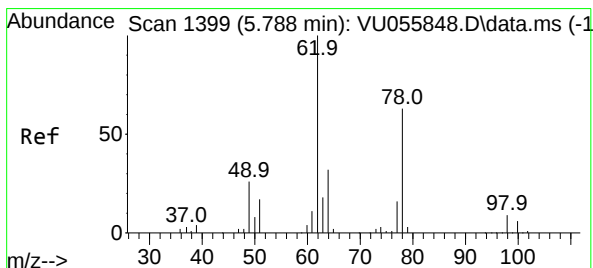
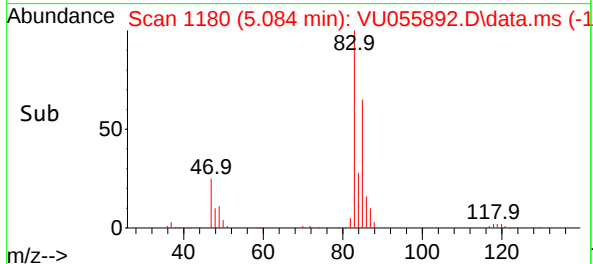
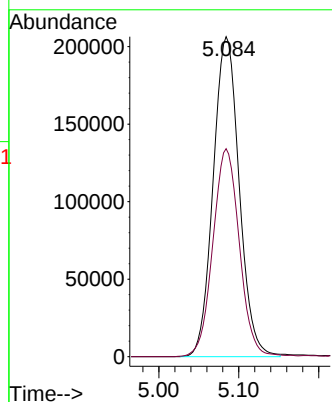
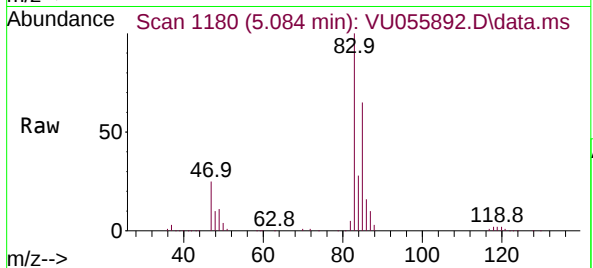
ClientSampleId :

Tgt Ion: 83 Resp: 466434

Ion Ratio Lower Upper

83 100

85 65.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 44.727 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055892.D

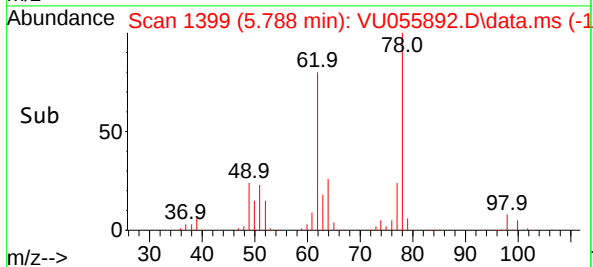
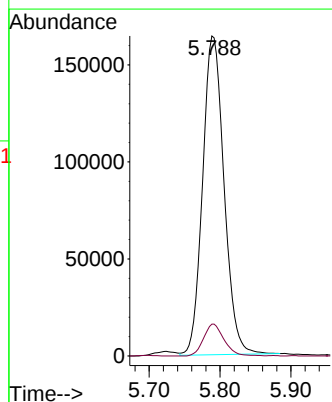
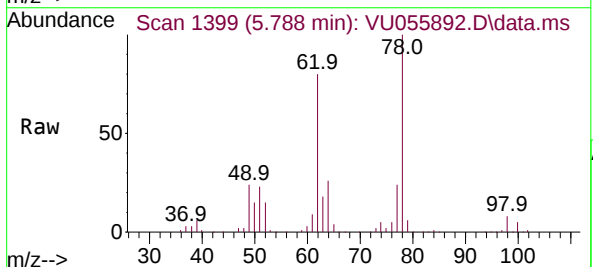
Acq: 26 Oct 2023 09:16

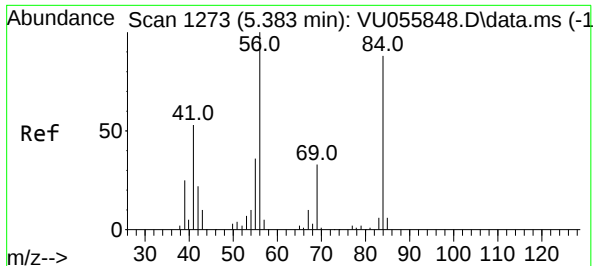
Tgt Ion: 62 Resp: 345289

Ion Ratio Lower Upper

62 100

98 10.0 7.2 10.8





#29

Cyclohexane

Concen: 54.210 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

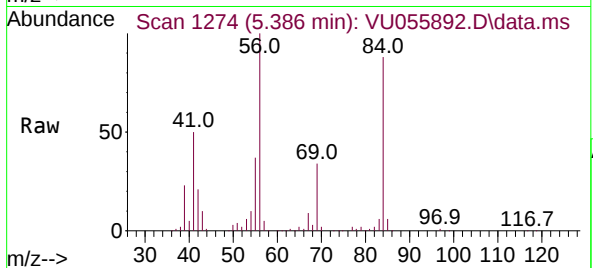
Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

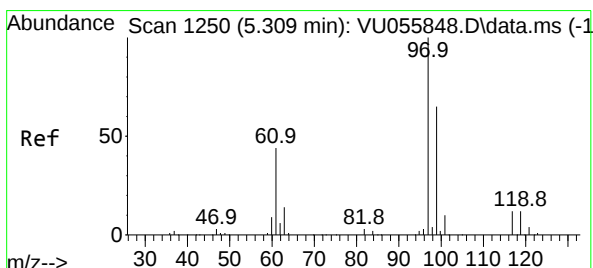
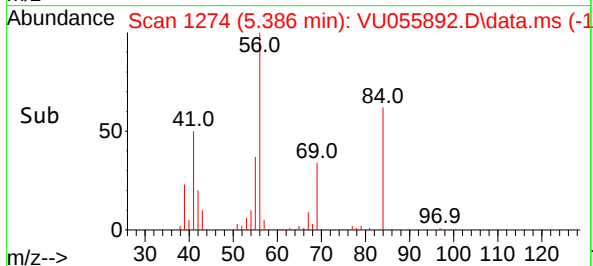
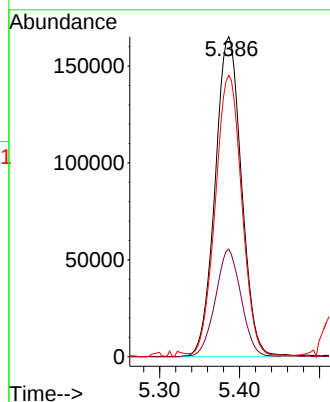
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	56	Resp:	377896
Ion Ratio	Lower	Upper	
56	100		
69	32.8	24.9	37.3
84	87.4	70.7	106.1



#30

1,1,1-Trichloroethane

Concen: 50.760 ug/L

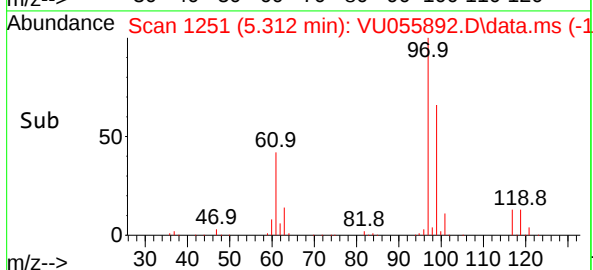
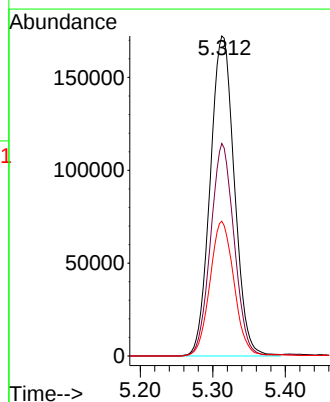
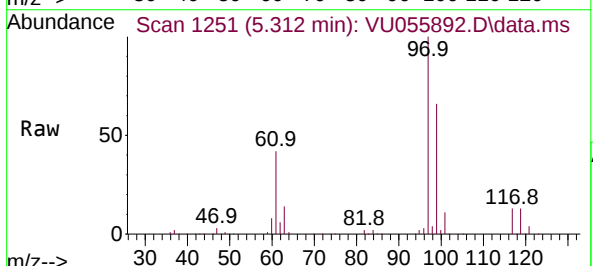
RT: 5.312 min Scan# 1251

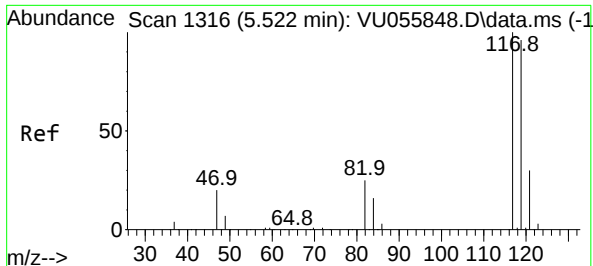
Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Tgt Ion:	97	Resp:	398837
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	41.8	36.8	55.2

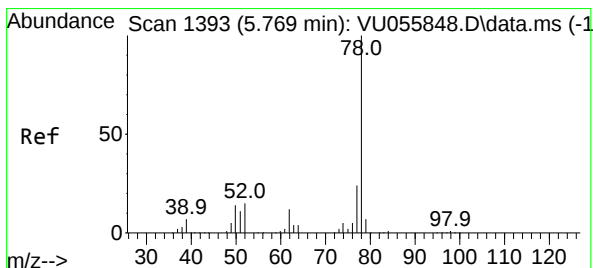
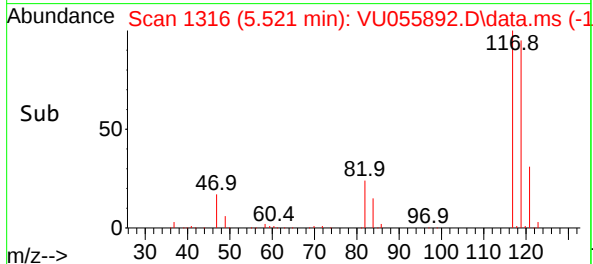
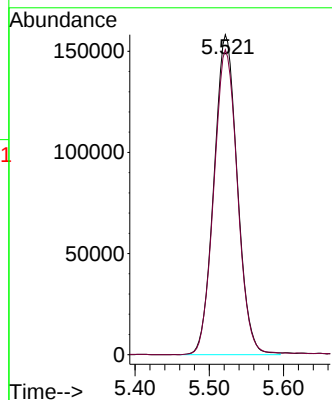
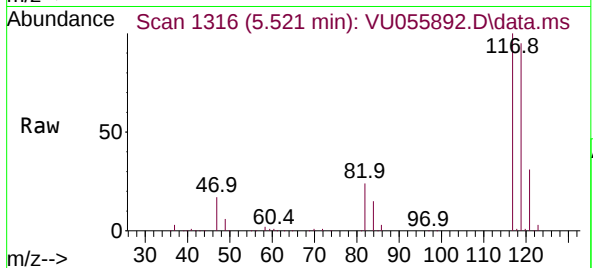




#31
Carbon tetrachloride
Concen: 50.356 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

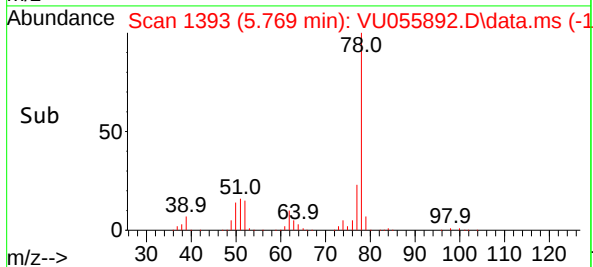
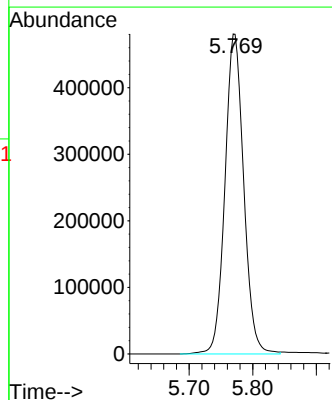
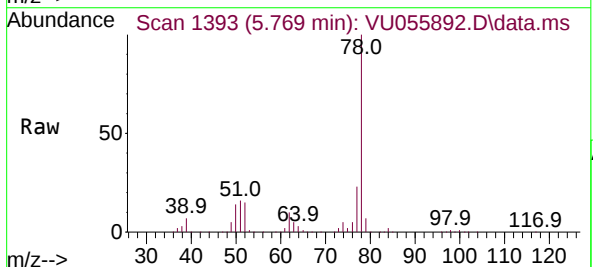
Instrument :
MSVOA_U
ClientSampleId :

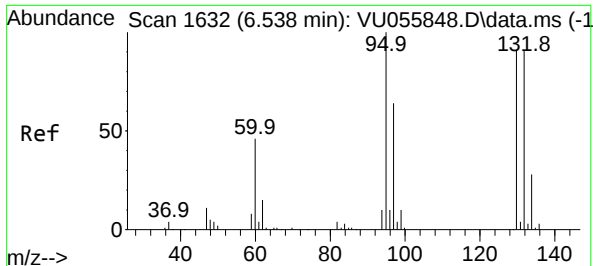
Tgt Ion:117 Resp: 346325
Ion Ratio Lower Upper
117 100
119 96.5 75.4 113.0



#33
Benzene
Concen: 51.190 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 78 Resp: 984111





#34

Trichloroethene

Concen: 49.549 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 260640

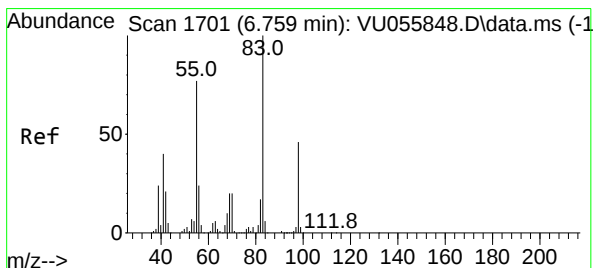
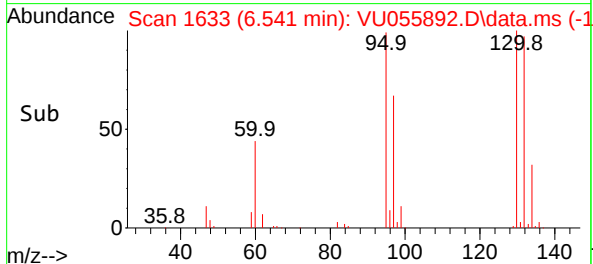
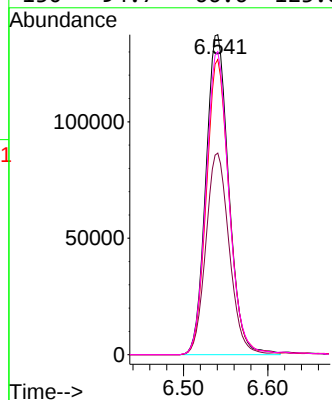
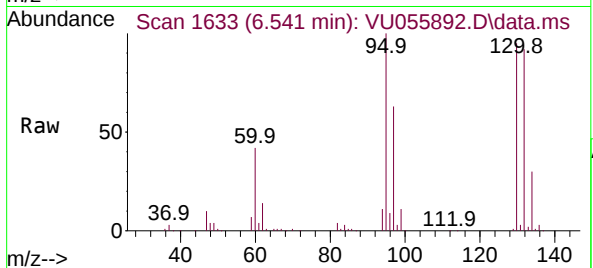
Ion Ratio Lower Upper

95 100

97 63.0 44.4 82.5

132 92.2 61.8 114.8

130 94.7 66.6 123.8



#35

Methylcyclohexane

Concen: 54.115 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

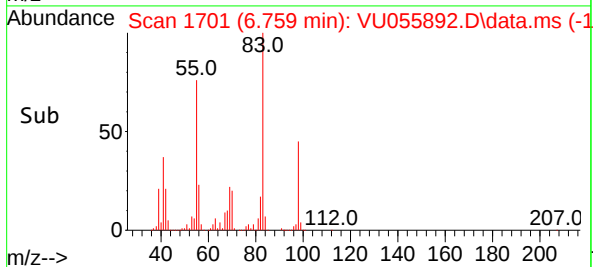
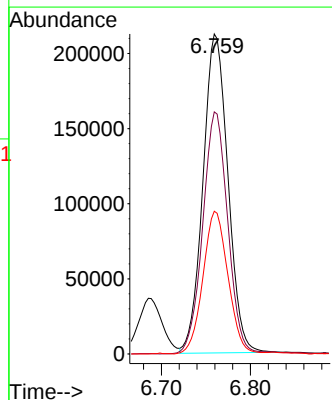
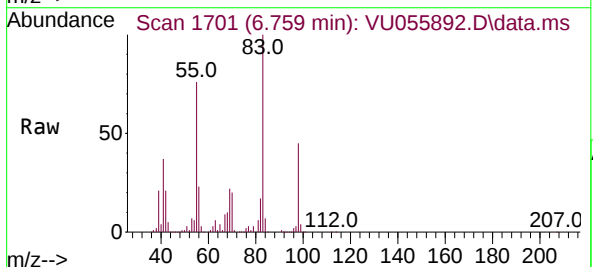
Tgt Ion: 83 Resp: 413008

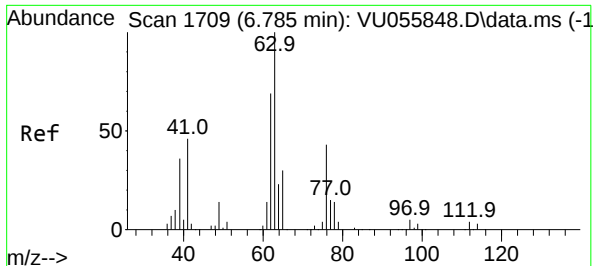
Ion Ratio Lower Upper

83 100

55 76.1 61.2 91.8

98 44.9 35.8 53.6

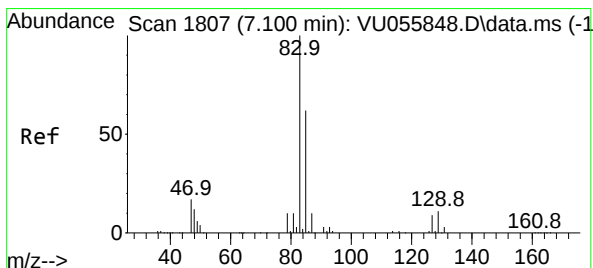
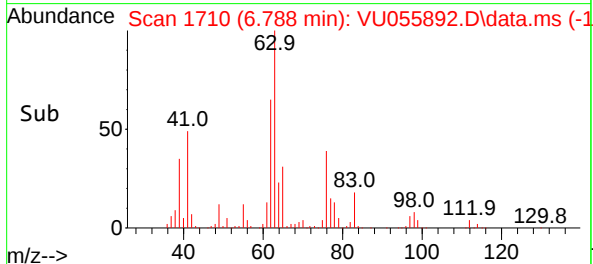
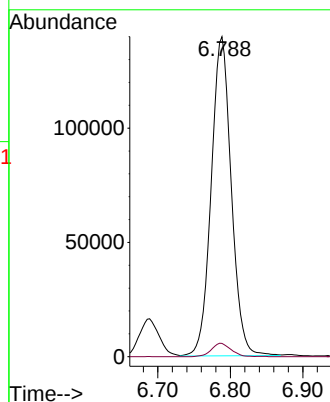
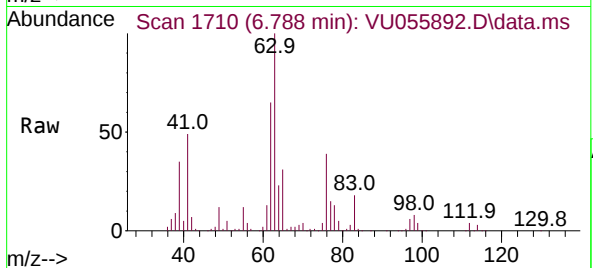




#37
1,2-Dichloropropane
Concen: 50.779 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

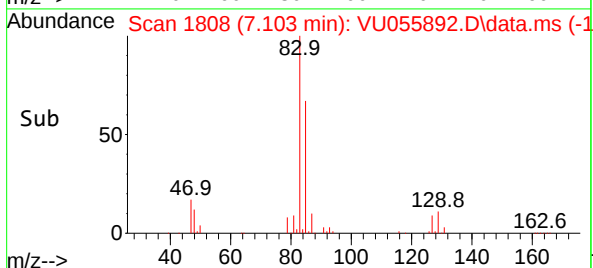
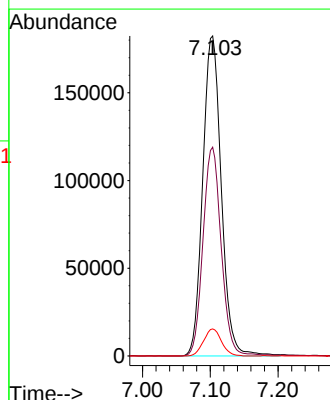
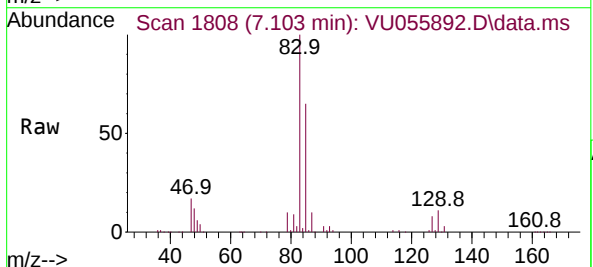
Instrument :
MSVOA_U
ClientSampleId :

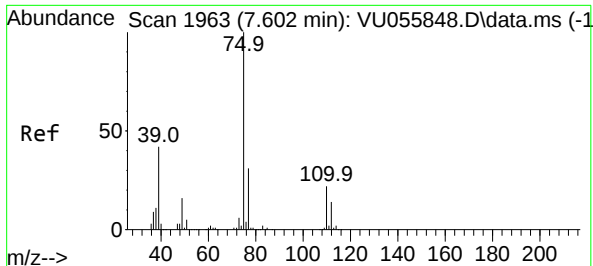
Tgt Ion: 63 Resp: 268818
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 49.695 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 83 Resp: 346933
Ion Ratio Lower Upper
83 100
85 65.2 46.0 85.4
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 52.905 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

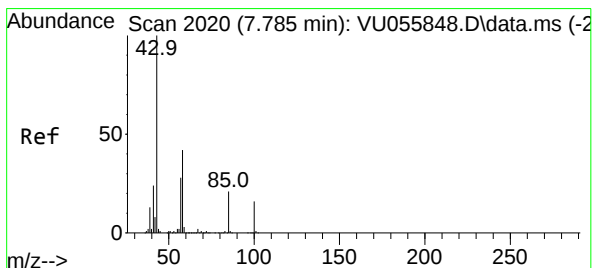
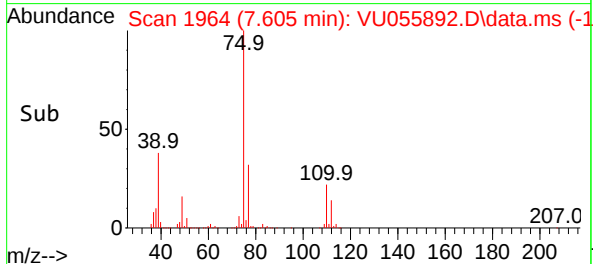
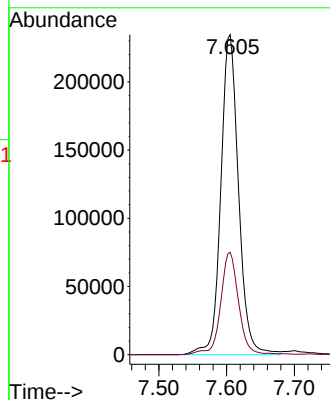
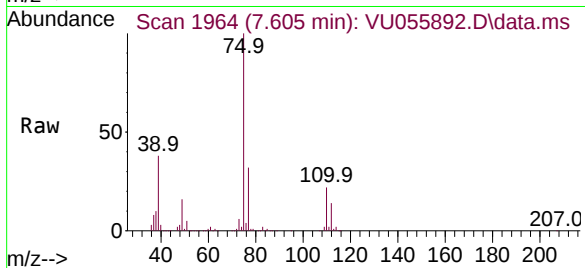
ClientSampleId :

Tgt Ion: 75 Resp: 426093

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 82.897 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

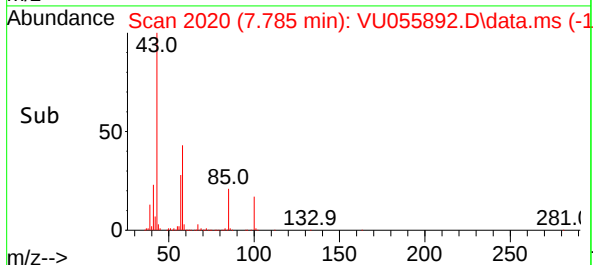
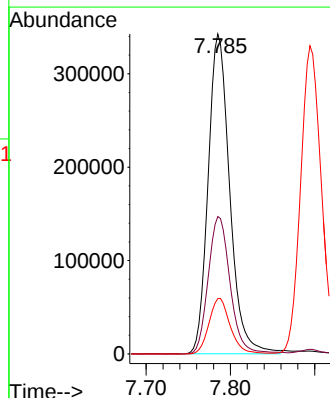
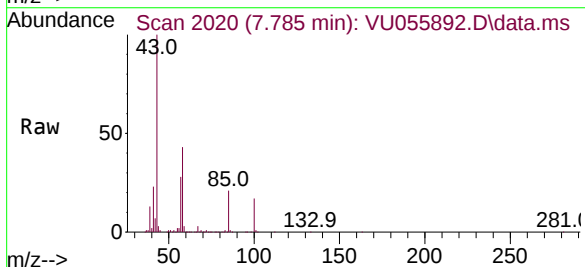
Tgt Ion: 43 Resp: 610513

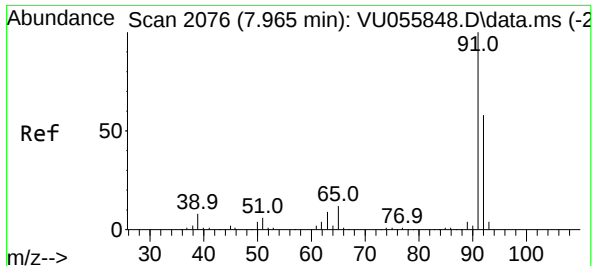
Ion Ratio Lower Upper

43 100

58 43.7 32.3 48.5

100 17.2 12.0 18.0





#42

Toluene

Concen: 52.520 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

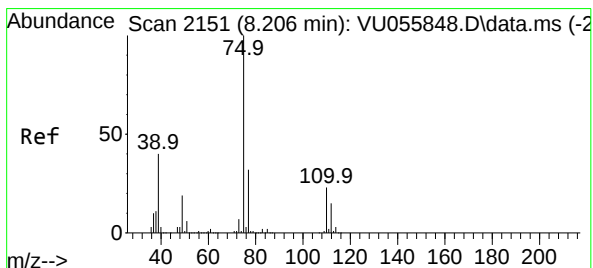
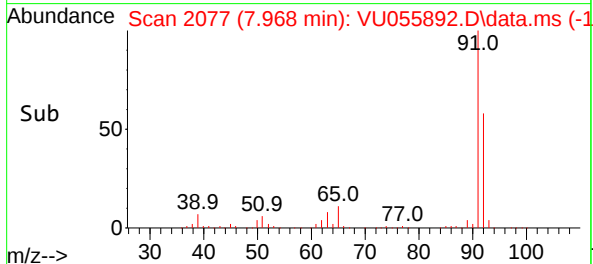
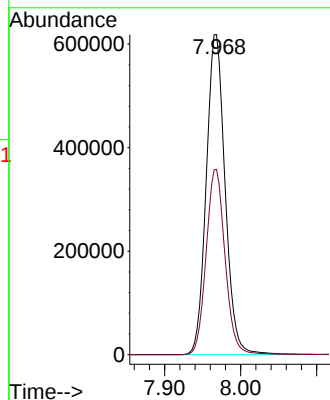
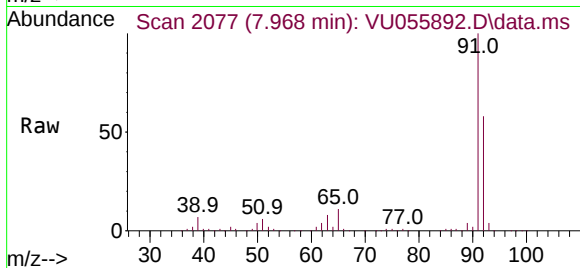
ClientSampleId :

Tgt Ion: 91 Resp: 1065405

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 51.155 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055892.D

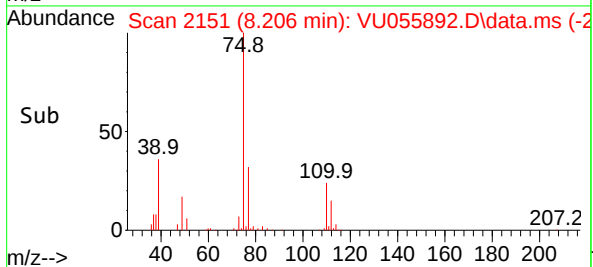
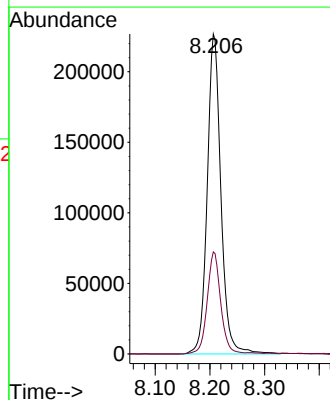
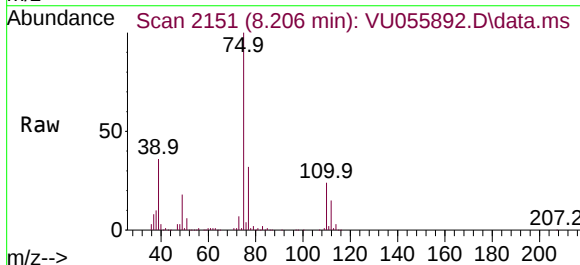
Acq: 26 Oct 2023 09:16

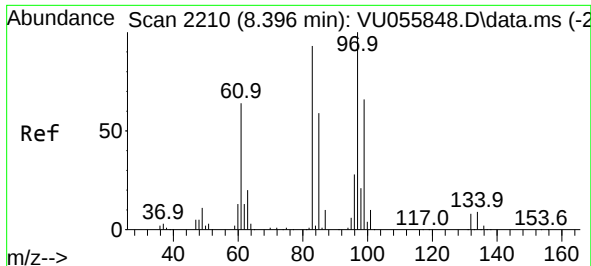
Tgt Ion: 75 Resp: 394199

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



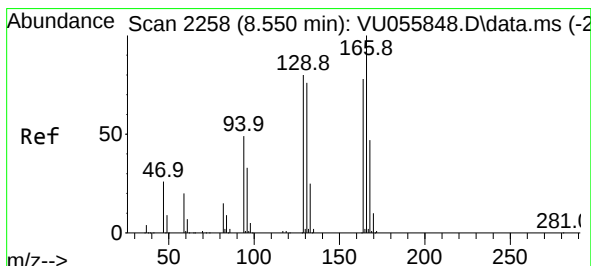
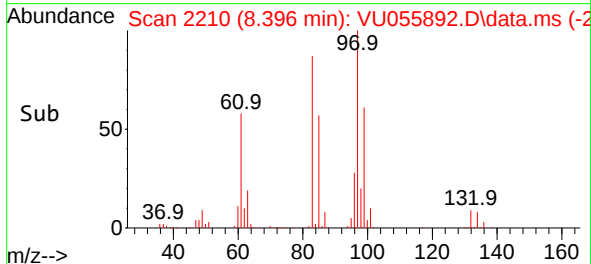
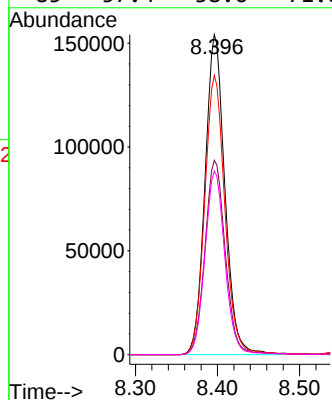
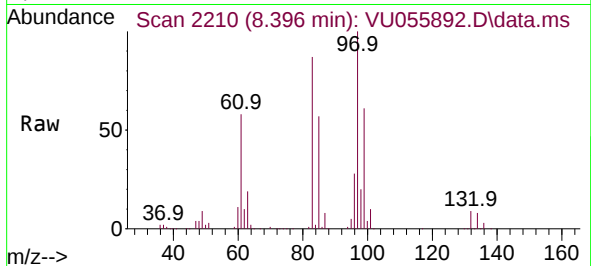


#45
1,1,2-Trichloroethane
Concen: 49.722 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 259547

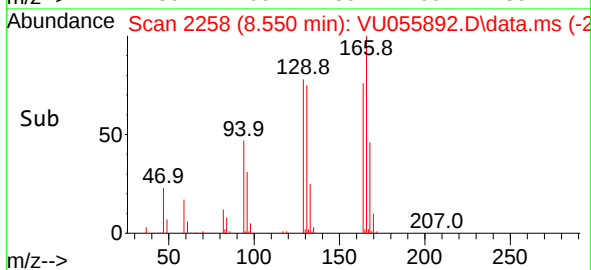
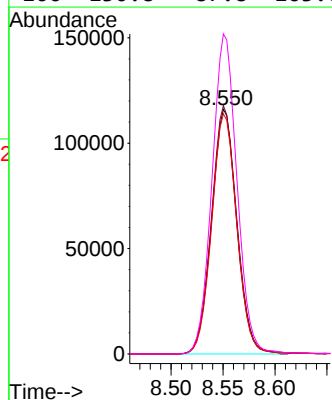
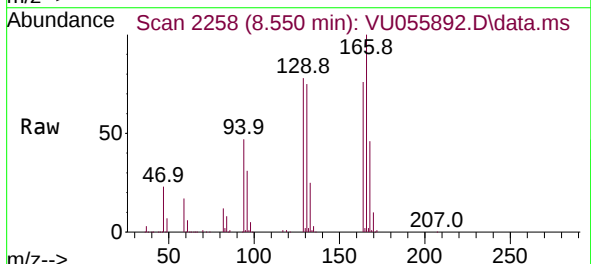
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.4	82.5
83	87.3	60.4	112.2
85	57.4	38.6	71.8

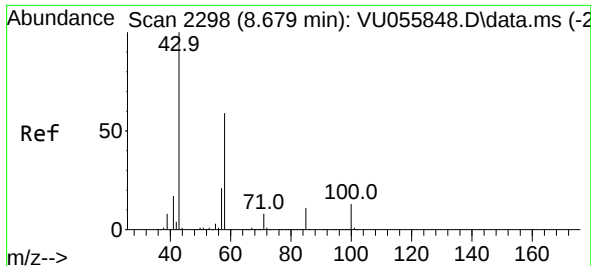


#46
Tetrachloroethene
Concen: 52.337 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 164 Resp: 197110

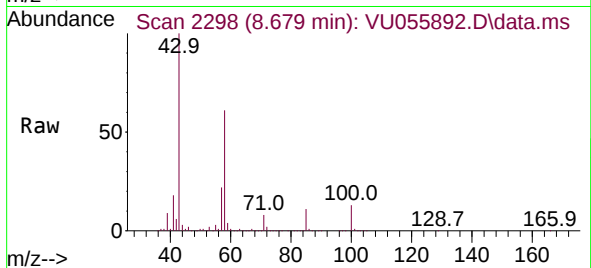
Ion	Ratio	Lower	Upper
164	100		
129	101.5	70.7	131.3
131	98.2	65.9	122.5
166	130.8	87.8	163.0



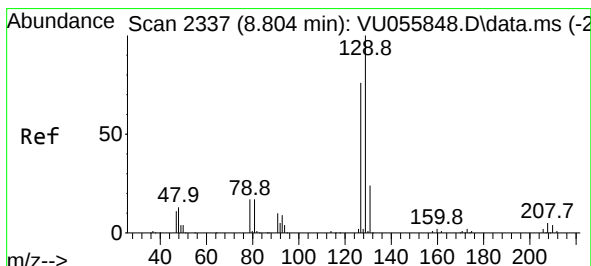
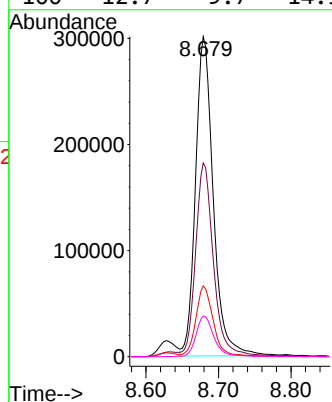
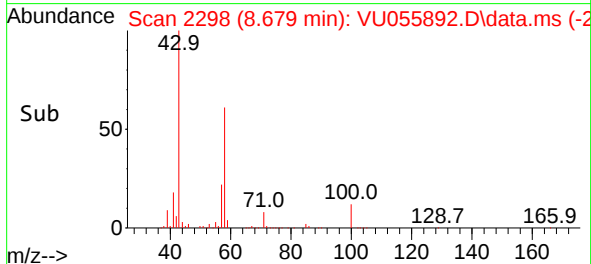


#48
2-Hexanone
Concen: 82.588 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Instrument :
MSVOA_U
ClientSampleId :

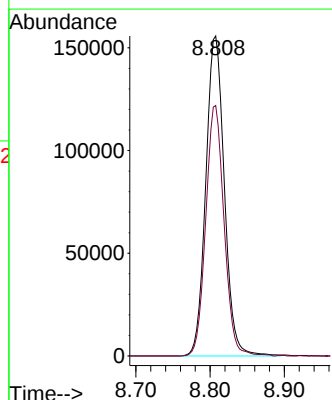
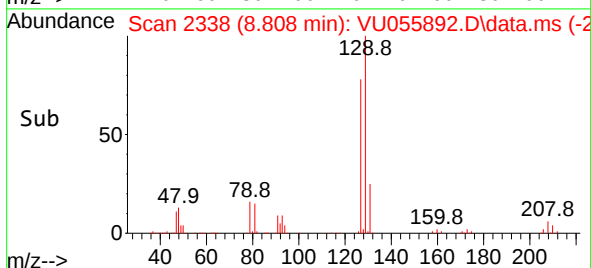
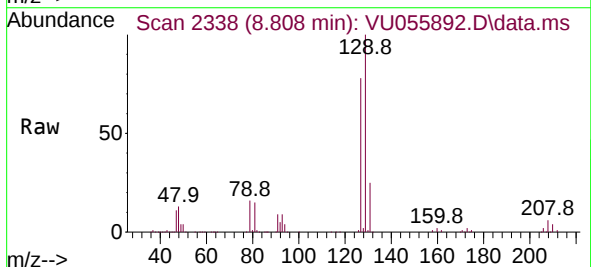


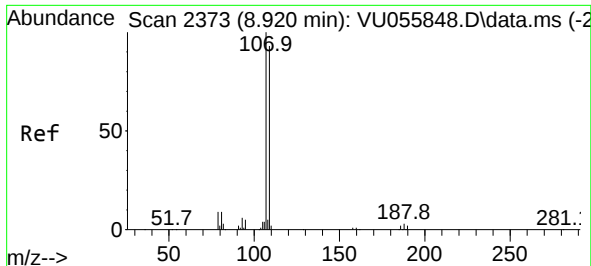
Tgt Ion: 43 Resp: 513754
Ion Ratio Lower Upper
43 100
58 60.6 45.2 67.8
57 21.5 16.1 24.1
100 12.7 9.7 14.5



#49
Dibromochloromethane
Concen: 50.667 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 129 Resp: 270240
Ion Ratio Lower Upper
129 100
127 78.3 54.0 100.4





#50

1,2-Dibromoethane

Concen: 48.581 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

ClientSampleId :

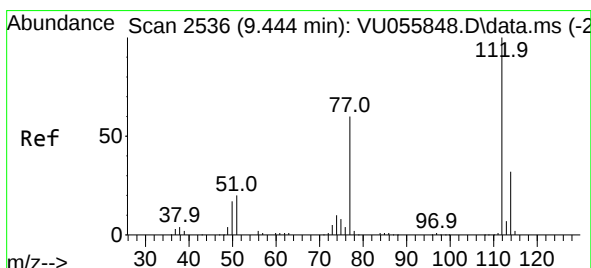
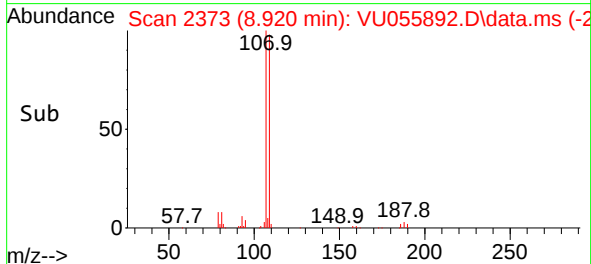
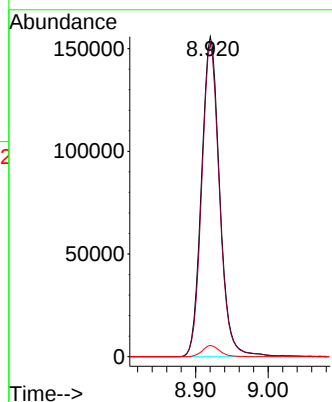
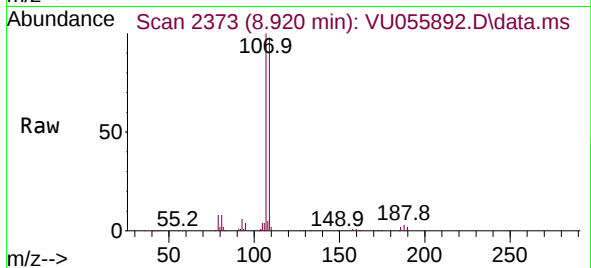
Tgt Ion:107 Resp: 272380

Ion Ratio Lower Upper

107 100

109 97.9 66.7 123.9

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 51.523 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

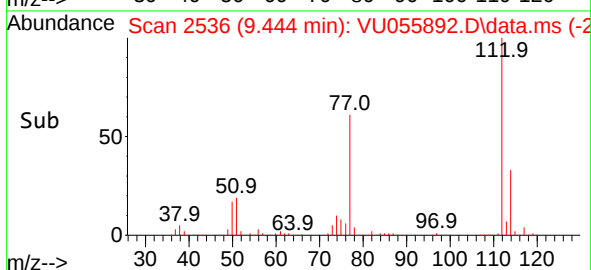
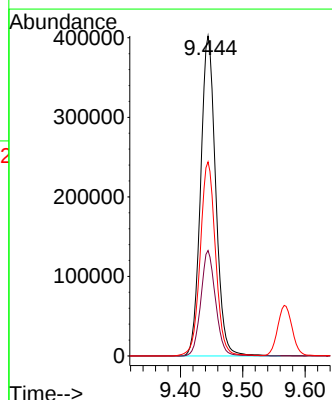
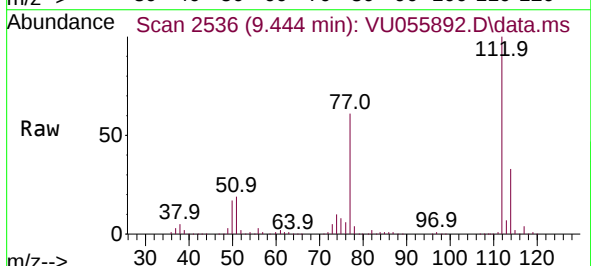
Tgt Ion:112 Resp: 676237

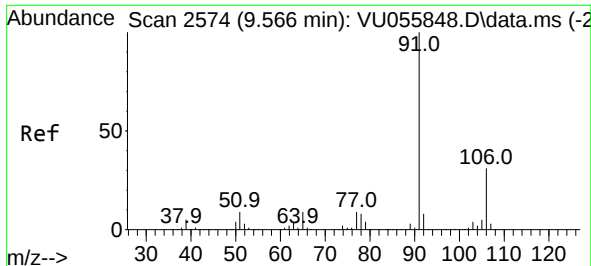
Ion Ratio Lower Upper

112 100

114 33.0 22.0 40.8

77 60.7 49.0 73.6

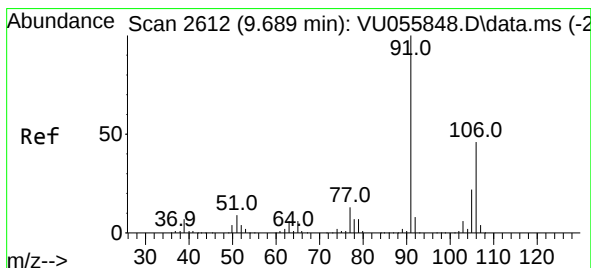
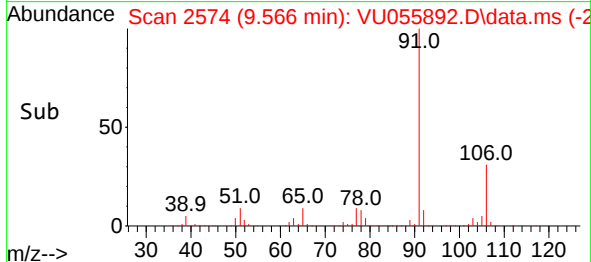
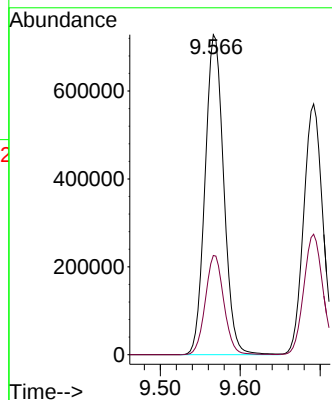
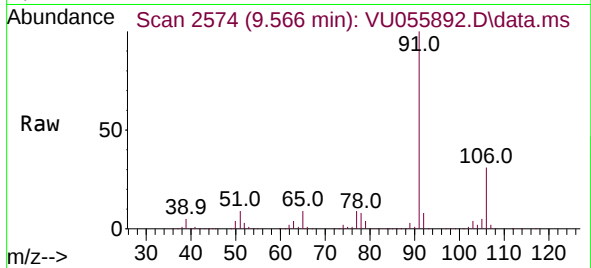




#52
Ethylbenzene
Concen: 53.405 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

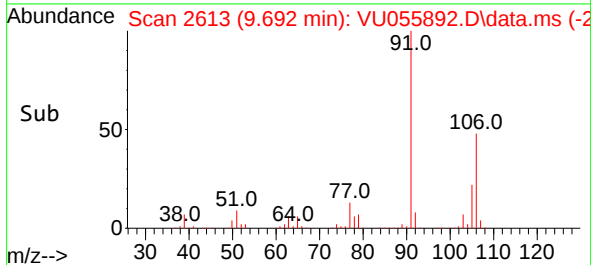
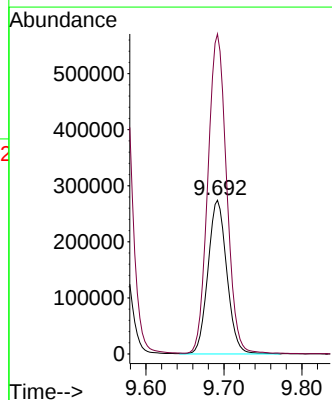
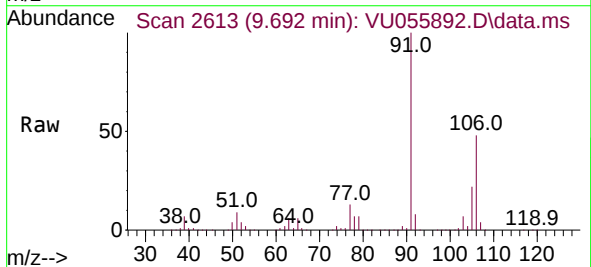
Instrument :
MSVOA_U
ClientSampleId :

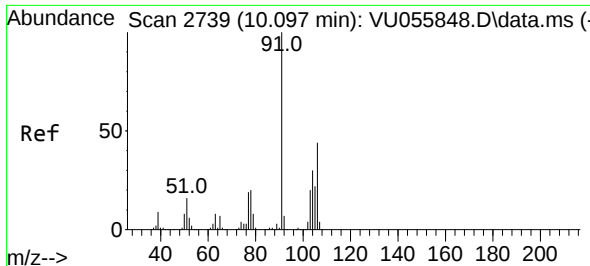
Tgt Ion: 91 Resp: 1184411
Ion Ratio Lower Upper
91 100
106 31.0 21.2 39.4



#53
m,p-Xylene
Concen: 55.457 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 106 Resp: 460778
Ion Ratio Lower Upper
106 100
91 208.2 143.8 267.0

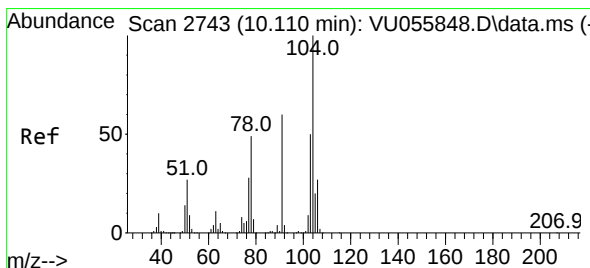
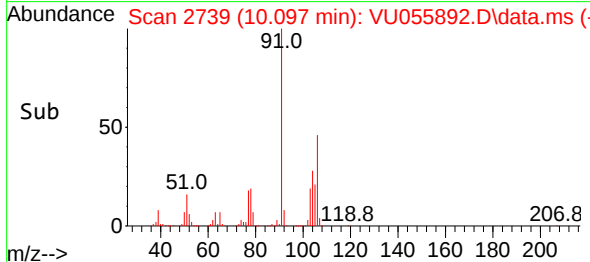
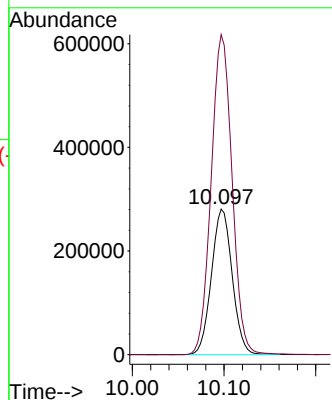
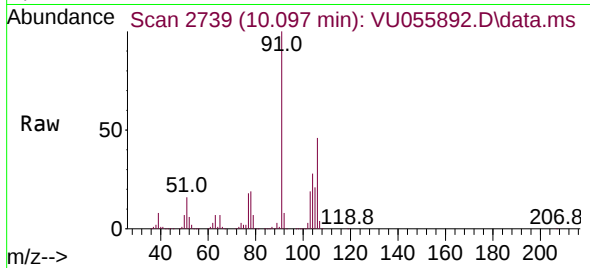




#54
o-Xylene
Concen: 54.968 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

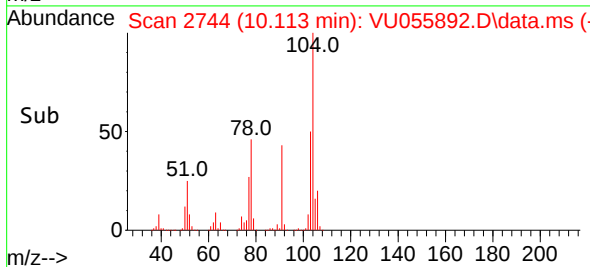
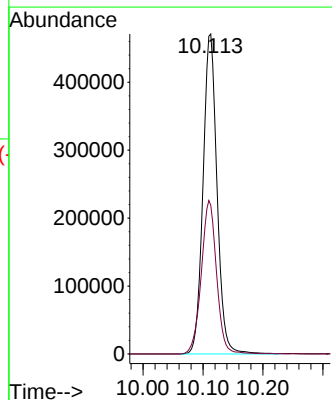
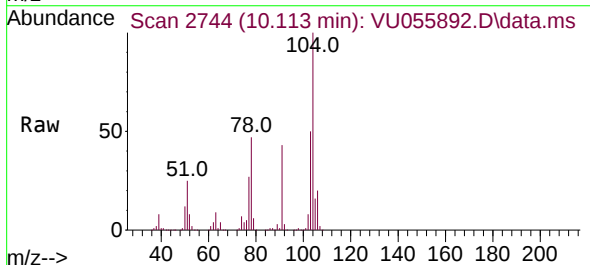
Instrument :
MSVOA_U
ClientSampleId :

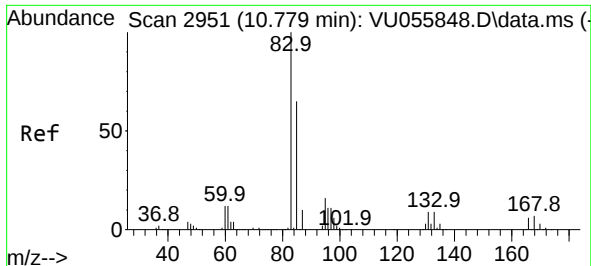
Tgt Ion:106 Resp: 441958
Ion Ratio Lower Upper
106 100
91 219.8 151.8 282.0



#55
Styrene
Concen: 56.356 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion:104 Resp: 767602
Ion Ratio Lower Upper
104 100
78 46.5 33.6 62.4

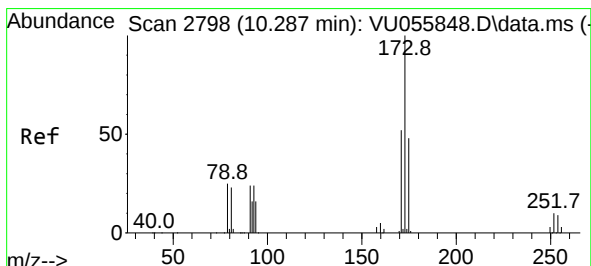
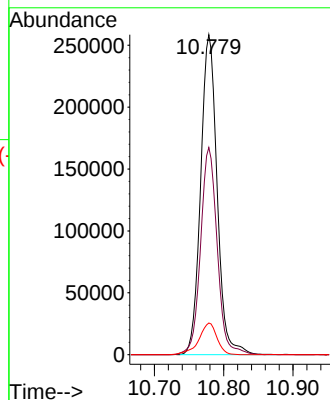
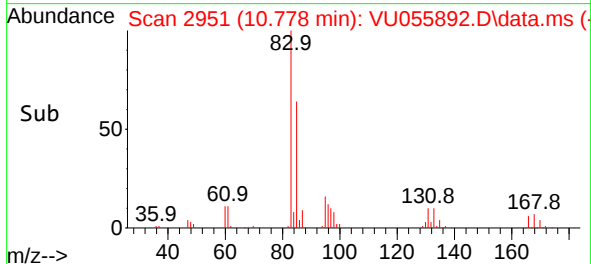
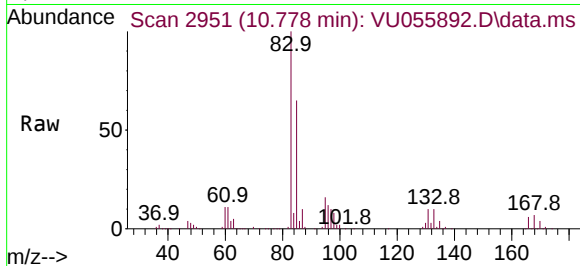




#57
1,1,2,2-Tetrachloroethane
Concen: 47.754 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

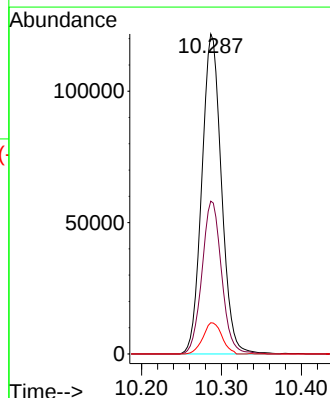
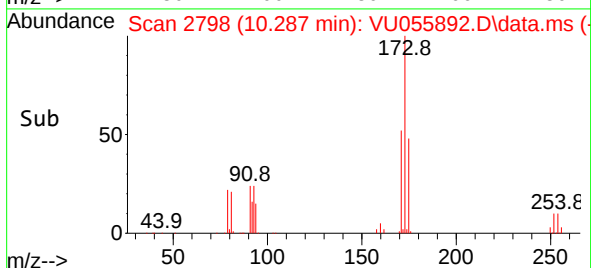
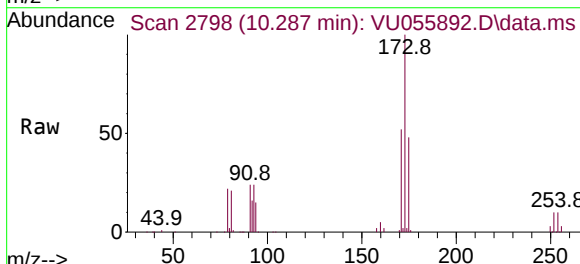
Instrument :
MSVOA_U
ClientSampleId :

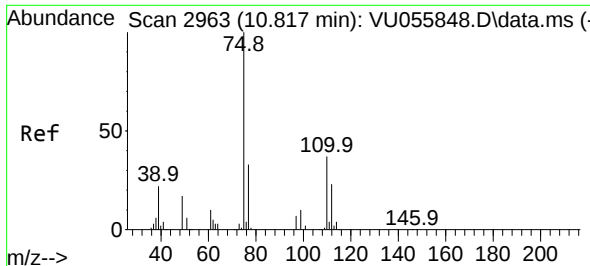
Tgt Ion: 83 Resp: 426833
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.5
131 9.9 7.3 10.9



#59
Bromoform
Concen: 50.821 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion:173 Resp: 208023
Ion Ratio Lower Upper
173 100
175 47.7 40.4 60.6
254 9.4 7.3 10.9

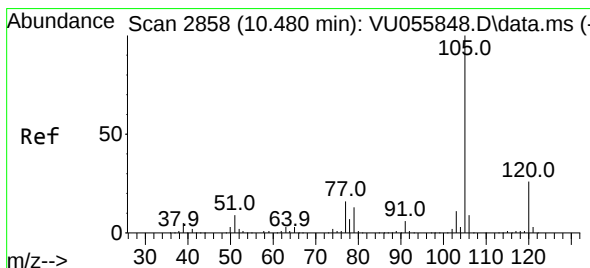
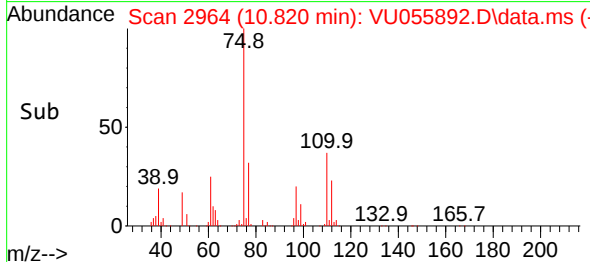
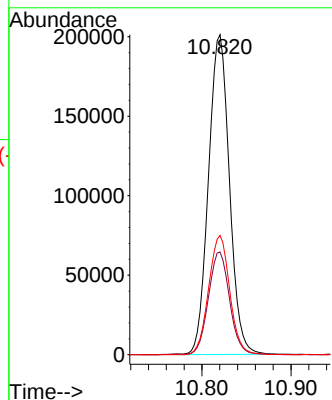
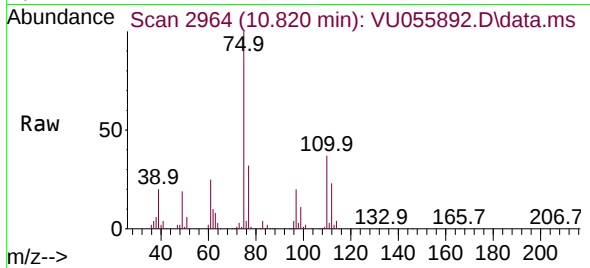




#60
1,2,3-Trichloropropane
Concen: 45.487 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

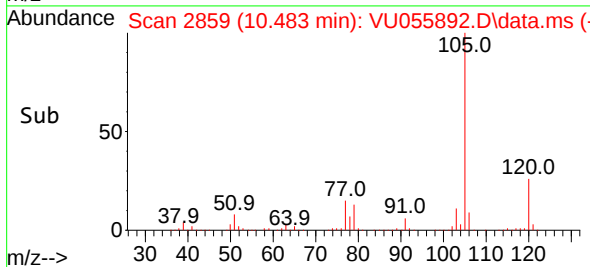
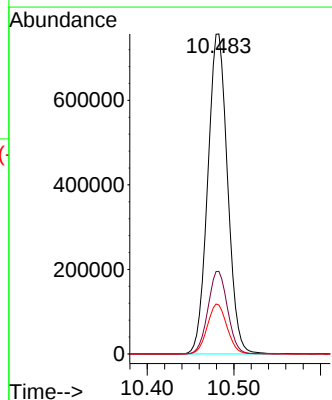
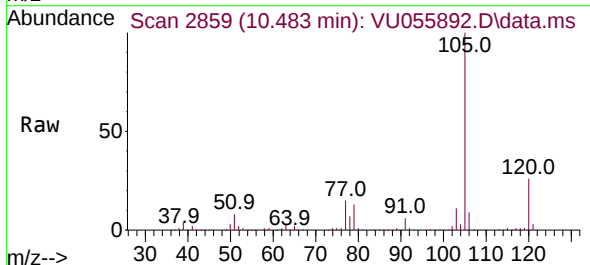
Instrument :
MSVOA_U
ClientSampleId :

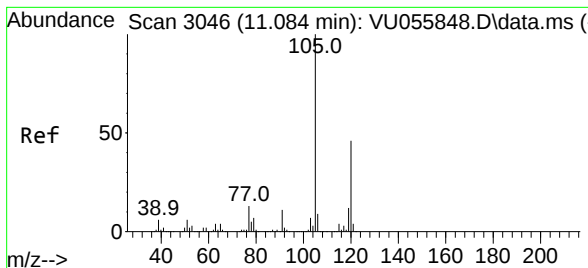
Tgt Ion: 75 Resp: 328258
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 37.6 28.5 42.7



#61
Isopropylbenzene
Concen: 57.955 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 105 Resp: 1201364
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.6 13.4 20.0

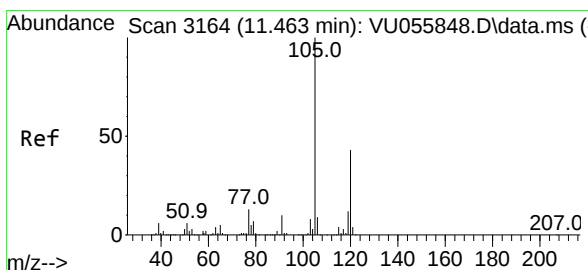
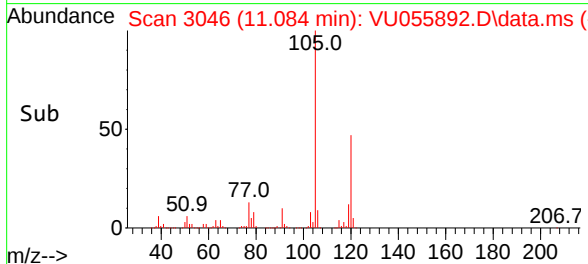
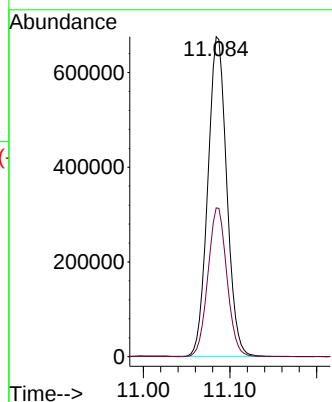
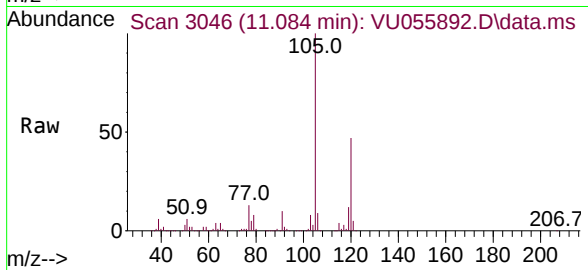




#62
 1,3,5-Trimethylbenzene
 Concen: 60.994 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

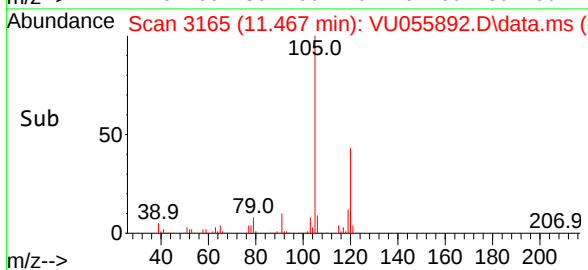
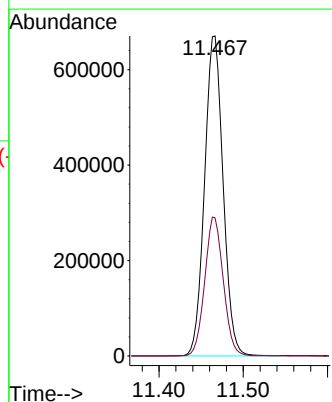
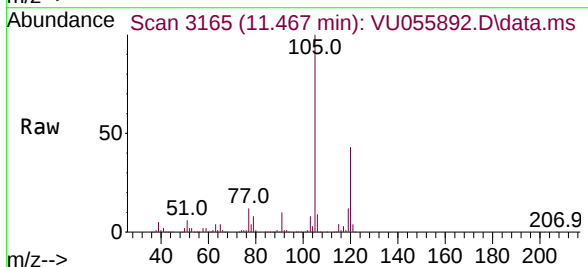
Instrument :
 MSVOA_U
 ClientSampleId :

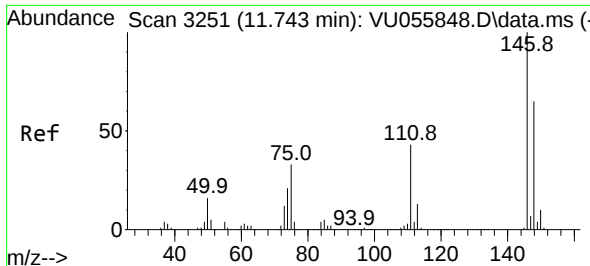
Tgt Ion:105 Resp: 1023068
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 62.069 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU055892.D
 Acq: 26 Oct 2023 09:16

Tgt Ion:105 Resp: 1029459
 Ion Ratio Lower Upper
 105 100
 120 43.1 35.0 52.4

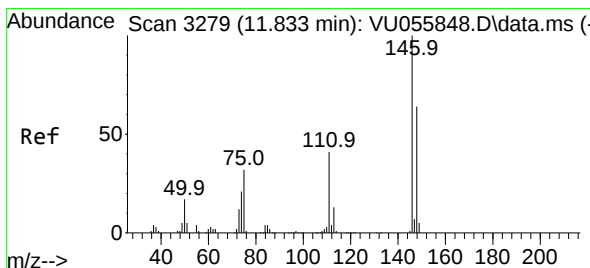
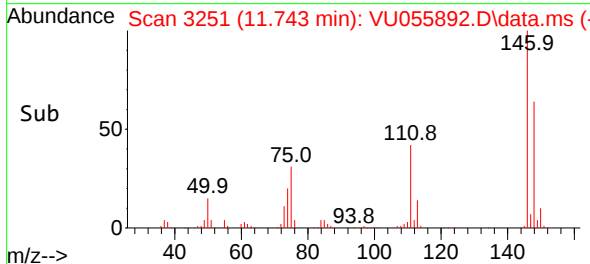
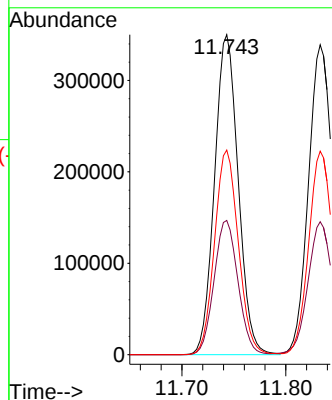
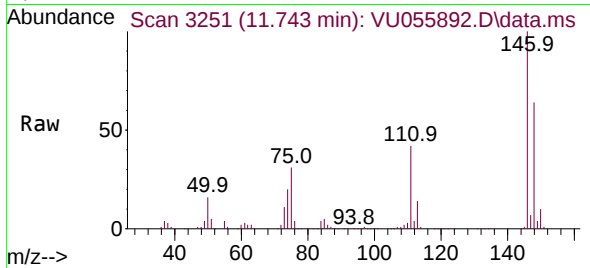




#64
1,3-Dichlorobenzene
Concen: 54.090 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

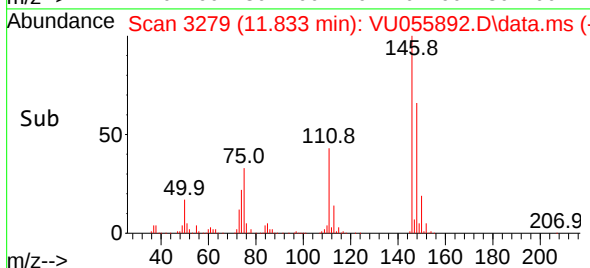
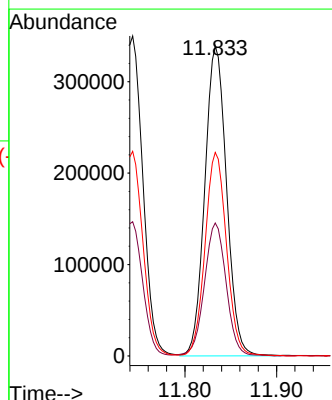
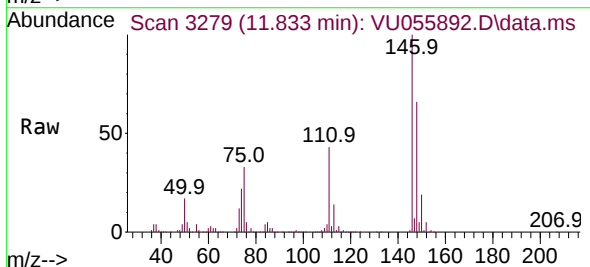
Instrument :
MSVOA_U
ClientSampleId :

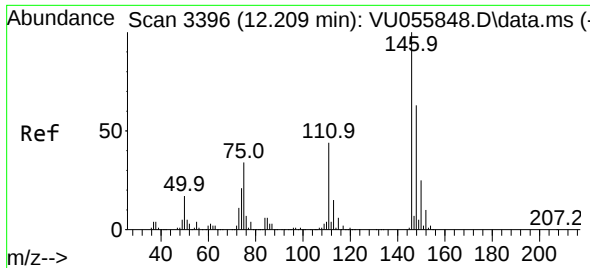
Tgt Ion:146 Resp: 554270
Ion Ratio Lower Upper
146 100
111 41.9 29.7 55.1
148 63.9 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 52.993 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion:146 Resp: 558316
Ion Ratio Lower Upper
146 100
111 42.9 28.6 53.0
148 65.6 44.2 82.0

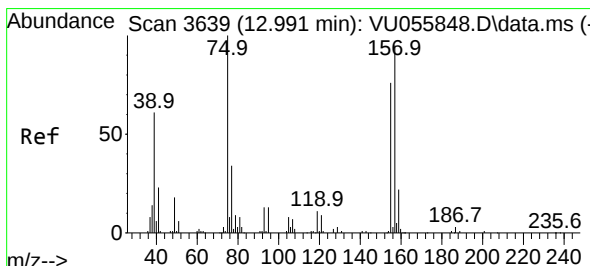
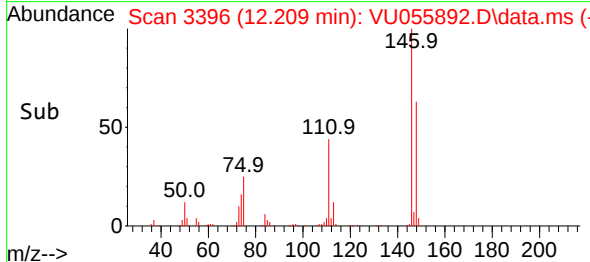
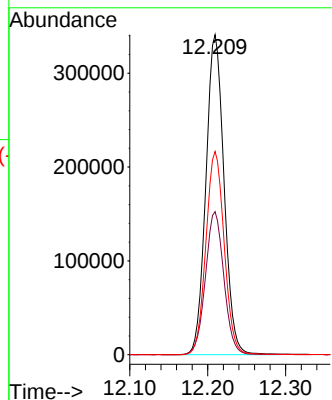
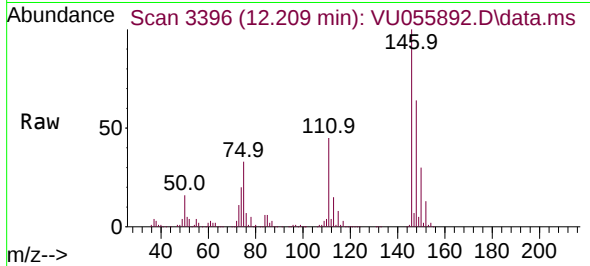




#67
1,2-Dichlorobenzene
Concen: 54.224 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

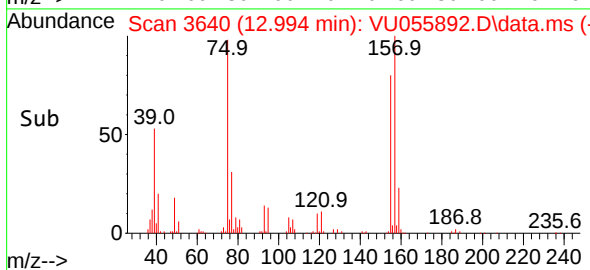
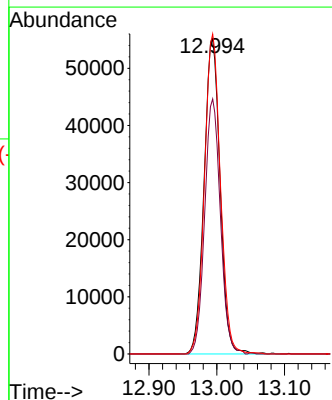
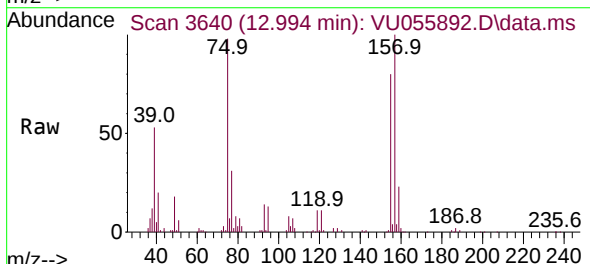
Instrument :
MSVOA_U
ClientSampleId :

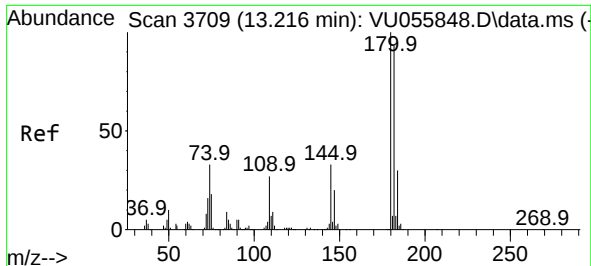
Tgt Ion:146 Resp: 551417
Ion Ratio Lower Upper
146 100
111 44.7 35.2 52.8
148 63.5 52.3 78.5



#68
1,2-Dibromo-3-chloropropane
Concen: 42.067 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. 0.003 min
Lab File: VU055892.D
Acq: 26 Oct 2023 09:16

Tgt Ion: 75 Resp: 90759
Ion Ratio Lower Upper
75 100
155 84.7 59.6 89.4
157 105.6 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 57.941 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 396039

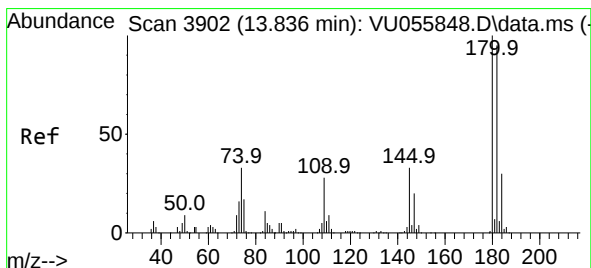
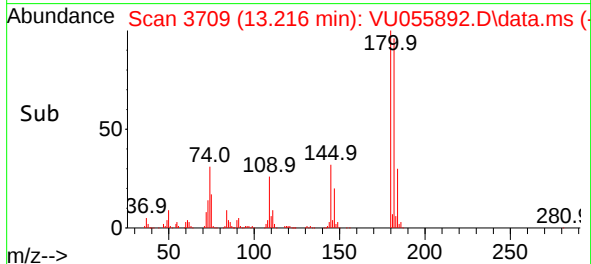
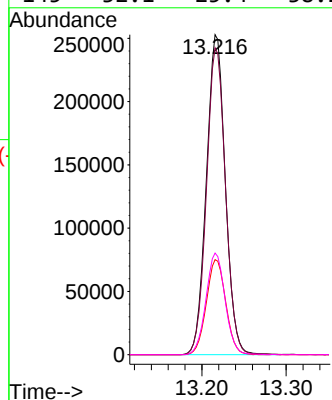
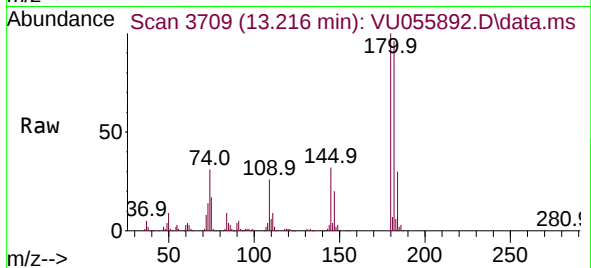
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

184 30.3 23.9 35.9

145 32.1 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 59.411 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

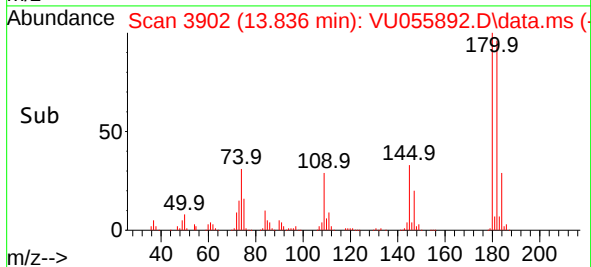
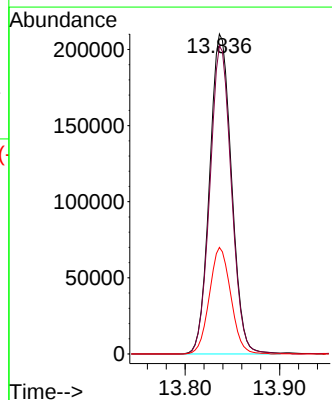
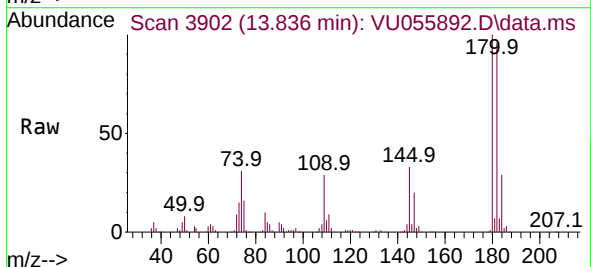
Tgt Ion:180 Resp: 338250

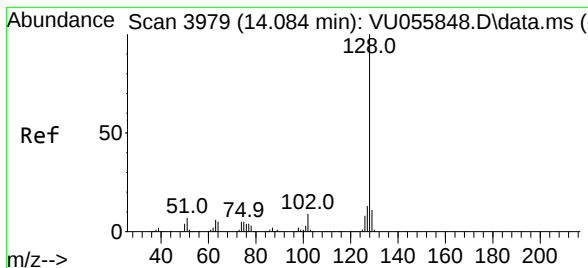
Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

145 32.6 26.1 39.1





#71

Naphthalene

Concen: 56.539 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Instrument :

MSVOA_U

ClientSampleId :

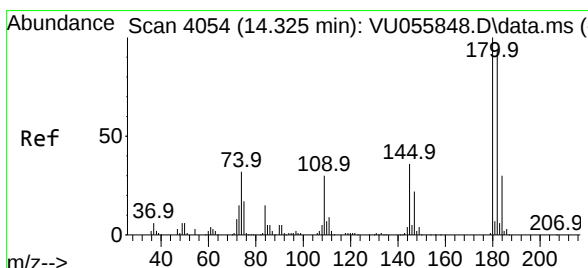
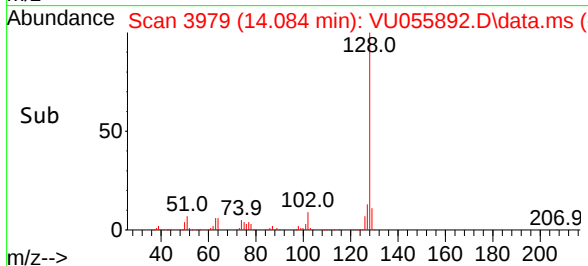
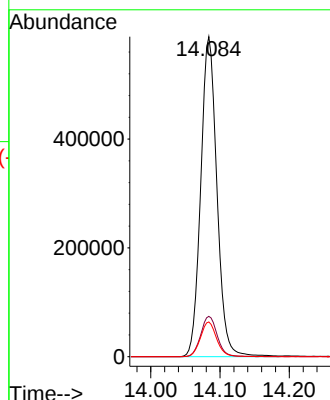
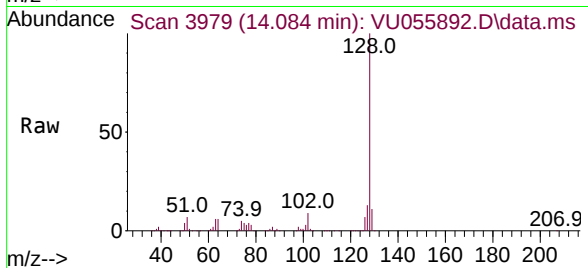
Tgt Ion:128 Resp: 956215

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 57.699 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055892.D

Acq: 26 Oct 2023 09:16

Tgt Ion:180 Resp: 323884

Ion Ratio Lower Upper

180 100

182 94.8 78.1 117.1

145 34.4 27.4 41.0

