

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101723\
 Data File : VU055785.D
 Acq On : 17 Oct 2023 09:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 05:28:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 17 05:06:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	464240	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	455682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	256127	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	175811	42.221	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.440%		
7) Chloroethane-d5	1.907	69	153072	44.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.940%		
11) 1,1-Dichloroethene-d2	2.567	63	332081	44.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.460%		
21) 2-Butanone-d5	4.615	46	194303	62.973	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	62.970%		
24) Chloroform-d	5.058	84	370582	46.422	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.840%		
26) 1,2-Dichloroethane-d4	5.698	65	230410	46.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.780%		
32) Benzene-d6	5.724	84	693382	47.558	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.120%		
36) 1,2-Dichloropropane-d6	6.685	67	217413	47.103	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.200%		
41) Toluene-d8	7.894	98	623526	47.362	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.720%		
43) trans-1,3-Dichloroprop...	8.177	79	96311	43.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.880%		
47) 2-Hexanone-d5	8.627	63	96615	53.245	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	53.250%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	318225	44.791	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.580%		
66) 1,2-Dichlorobenzene-d4	12.190	152	247586	48.712	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	217479	56.262	ug/L	100
3) Chloromethane	1.518	50	204447	55.896	ug/L	100
5) Vinyl chloride	1.602	62	219205	54.458	ug/L	99
6) Bromomethane	1.846	94	144167	56.026	ug/L	97
8) Chloroethane	1.927	64	140675	53.280	ug/L	99
9) Trichlorofluoromethane	2.136	101	326943	56.850	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	191044	51.654	ug/L	99
12) 1,1-Dichloroethene	2.576	96	169114	51.384	ug/L	98
13) Acetone	2.618	43	156889	54.793	ug/L	100
14) Carbon disulfide	2.792	76	485819	48.506	ug/L	98
15) Methyl Acetate	2.939	43	184043	41.970	ug/L	97
16) Methylene chloride	3.039	84	206168	51.655	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	171504	50.961	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	594096	54.891	ug/L	99
19) 1,1-Dichloroethane	3.862	63	360288	52.204	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	204275	53.183	ug/L	97
22) 2-Butanone	4.692	43	238773	69.186	ug/L	98
23) Bromochloromethane	4.968	128	108394	54.491	ug/L	93
25) Chloroform	5.084	83	386233	53.571	ug/L	98

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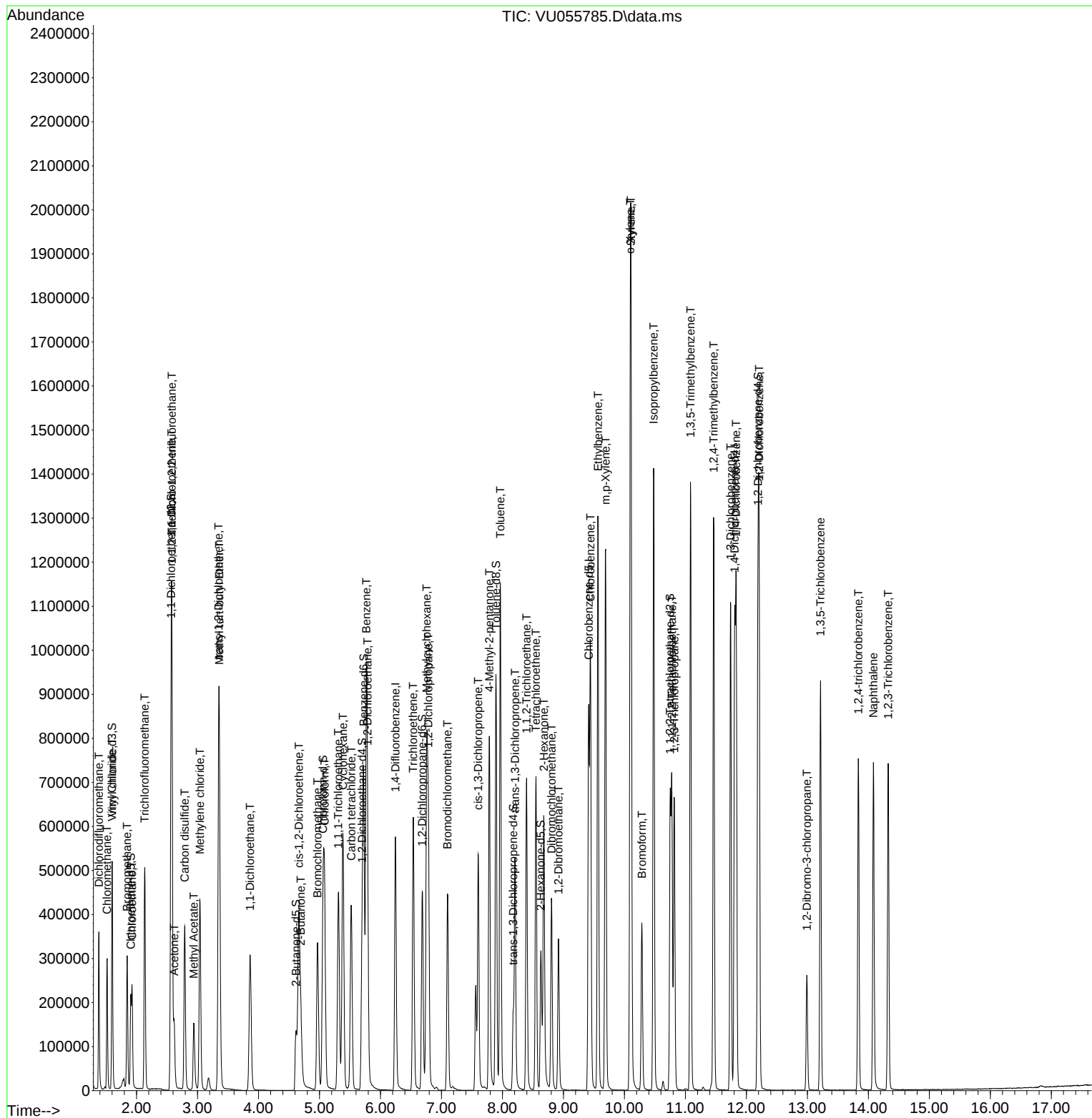
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	305752	53.023	ug/L	99
29) Cyclohexane	5.386	56	280010	53.610	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	335975	57.069	ug/L	98
31) Carbon tetrachloride	5.521	117	295695	57.382	ug/L	98
33) Benzene	5.769	78	805727	55.936	ug/L	100
34) Trichloroethene	6.537	95	215220	54.606	ug/L	98
35) Methylcyclohexane	6.759	83	300762	52.595	ug/L	100
37) 1,2-Dichloropropane	6.785	63	217913	54.939	ug/L	100
38) Bromodichloromethane	7.100	83	293821	56.172	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	314755	52.160	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	503552	91.255	ug/L	98
42) Toluene	7.965	91	851701	56.035	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	301847	52.279	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	216133	55.261	ug/L	99
46) Tetrachloroethene	8.550	164	149846	53.102	ug/L	97
48) 2-Hexanone	8.679	43	384013	82.390	ug/L	99
49) Dibromochloromethane	8.804	129	223755	55.990	ug/L	100
50) 1,2-Dibromoethane	8.920	107	228025	54.280	ug/L	96
51) Chlorobenzene	9.444	112	525471	53.434	ug/L	99
52) Ethylbenzene	9.566	91	911170	54.833	ug/L	100
53) m,p-Xylene	9.692	106	346339	55.633	ug/L	93
54) o-Xylene	10.097	106	345952	57.426	ug/L	96
55) Styrene	10.110	104	595625	58.364	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	345444	51.582	ug/L	99
59) Bromoform	10.286	173	166568	52.829	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	279635	50.306	ug/L	98
61) Isopropylbenzene	10.479	105	898287	56.258	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	762639	59.027	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	718588	56.246	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	439226	55.646	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	436825	53.827	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	443464	56.614	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	70903	42.665	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	275055	52.242	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	217842	49.673	ug/L	99
71) Naphthalene	14.084	128	594795	45.658	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	218443	50.521	ug/L	98

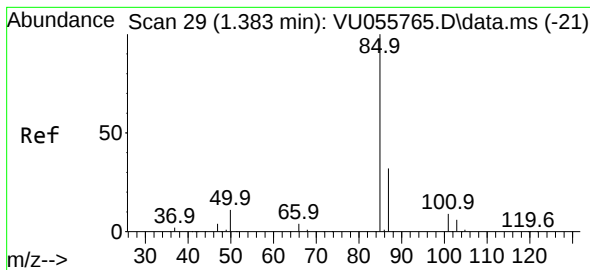
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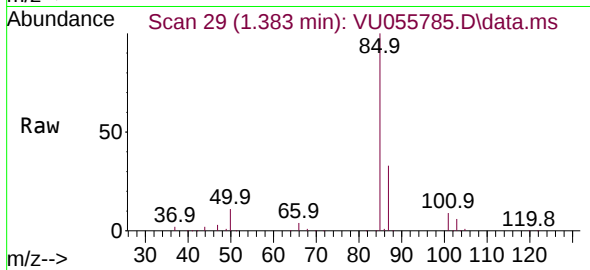
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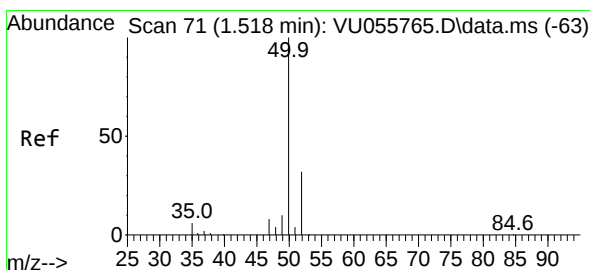
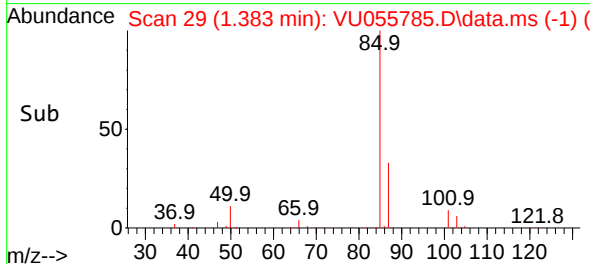
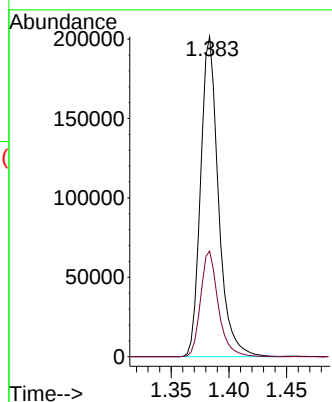


#2
 Dichlorodifluoromethane
 Concen: 56.262 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

Instrument :
 MSVOA_U
 ClientSampleId :

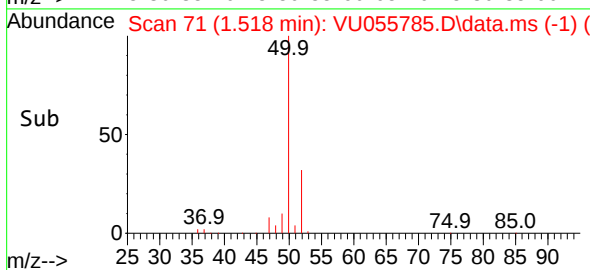
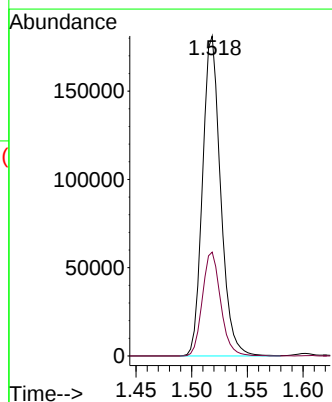
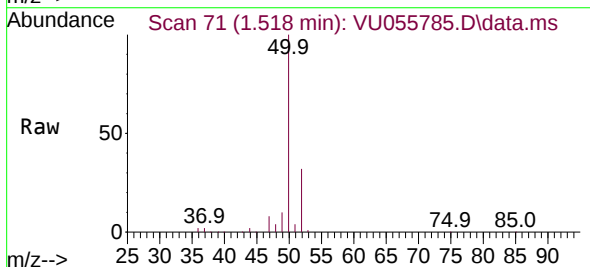


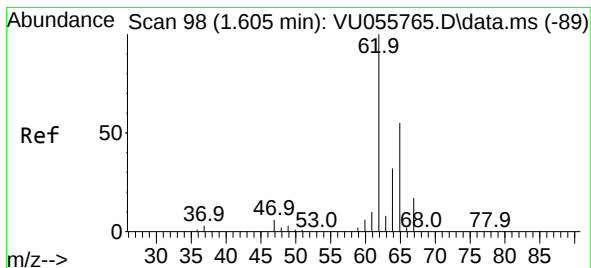
Tgt Ion: 85 Resp: 217479
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 55.896 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

Tgt Ion: 50 Resp: 204447
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.8 42.4





#5

Vinyl chloride

Concen: 54.458 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

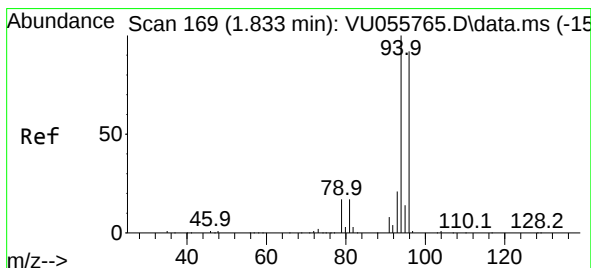
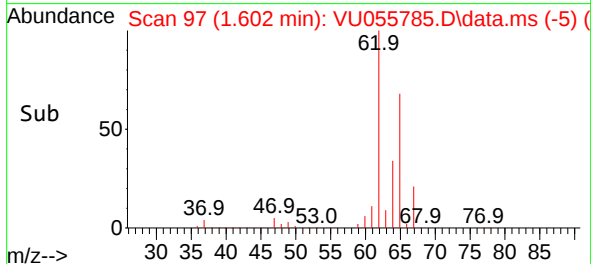
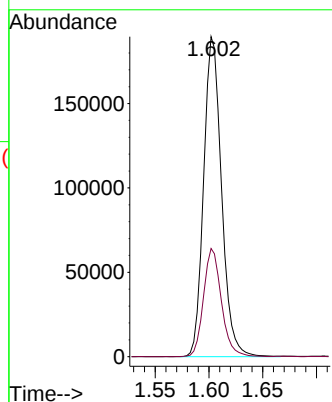
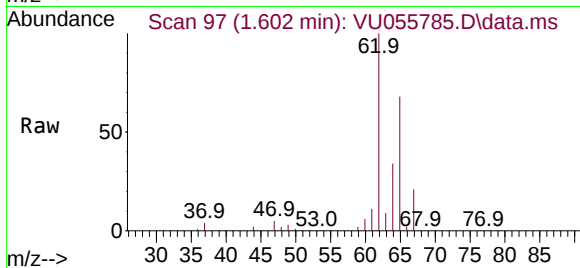
ClientSampleId :

Tgt Ion: 62 Resp: 219205

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.5



#6

Bromomethane

Concen: 56.026 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.013 min

Lab File: VU055785.D

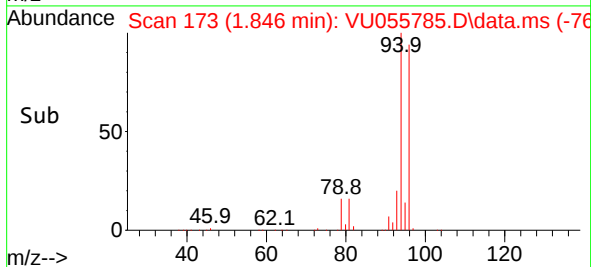
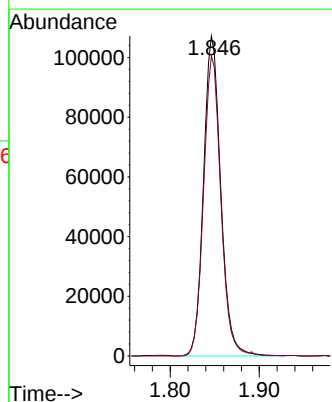
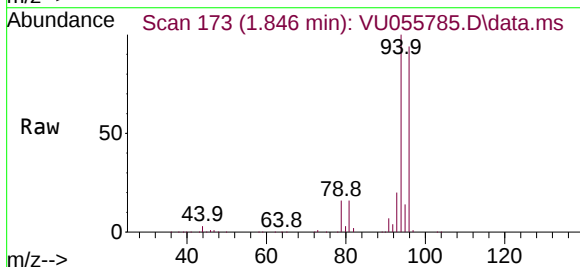
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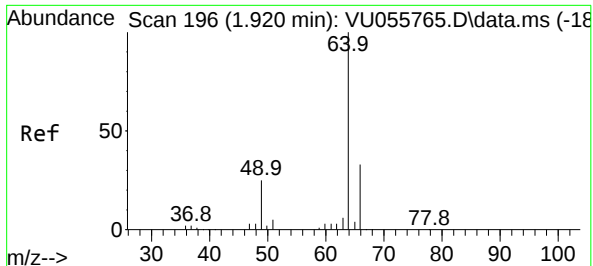
Tgt Ion: 94 Resp: 144167

Ion Ratio Lower Upper

94 100

96 93.8 63.5 117.9

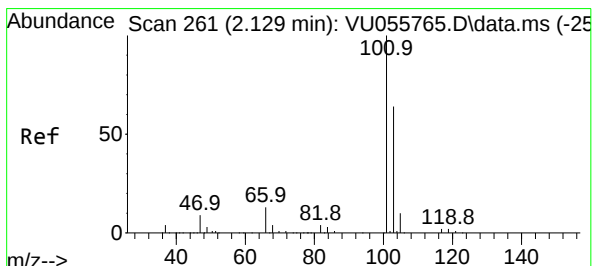
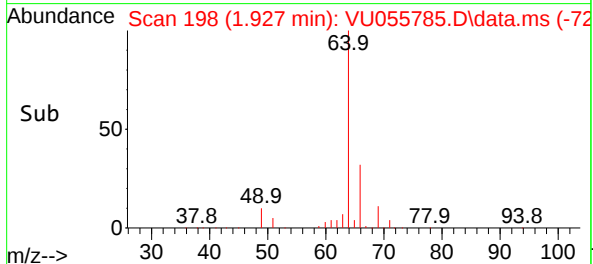
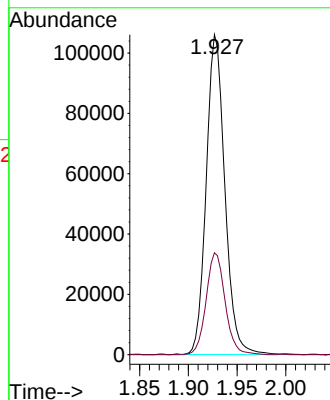
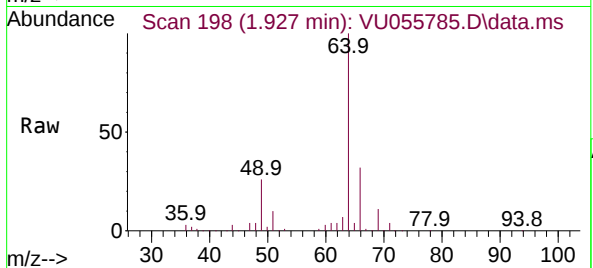




#8
Chloroethane
Concen: 53.280 ug/L
RT: 1.927 min Scan# 19
Delta R.T. 0.007 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

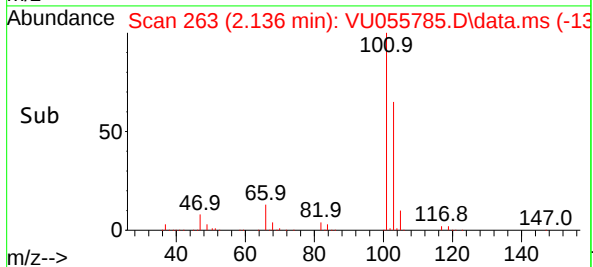
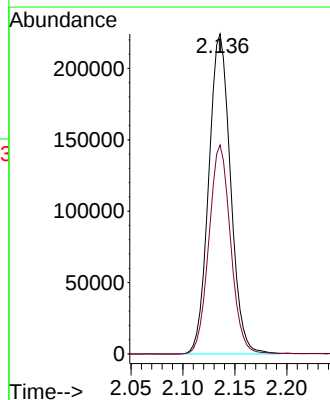
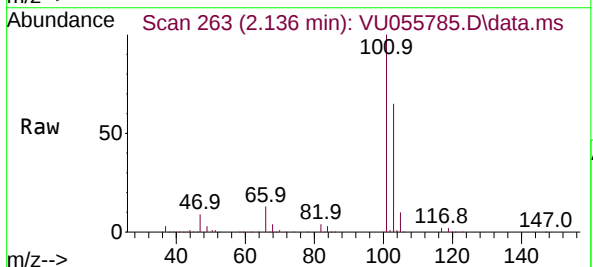
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MSVOA_U
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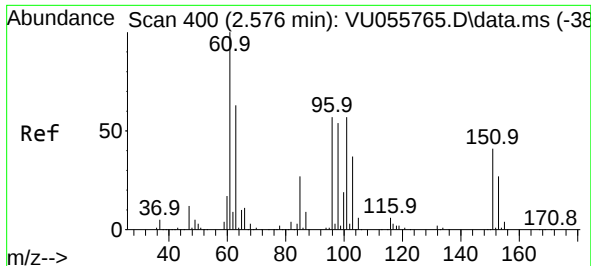
Tgt Ion: 64 Resp: 140675
Ion Ratio Lower Upper
64 100
66 31.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 56.850 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.007 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion:101 Resp: 326943
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

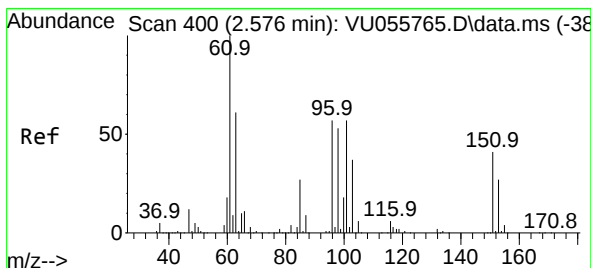
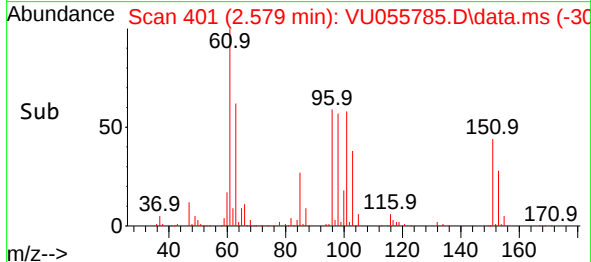
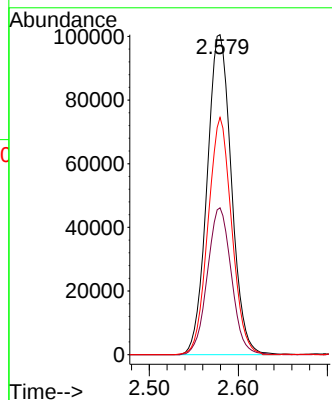
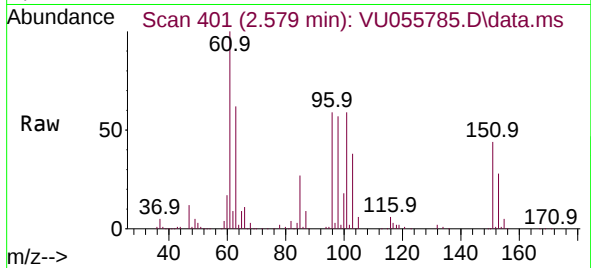




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.654 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

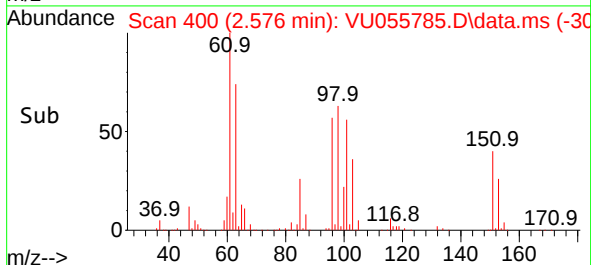
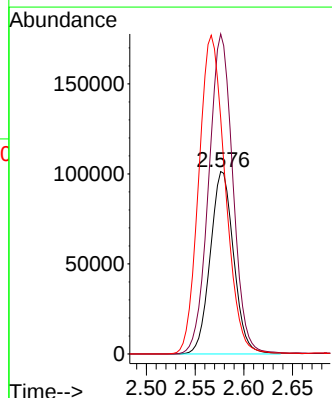
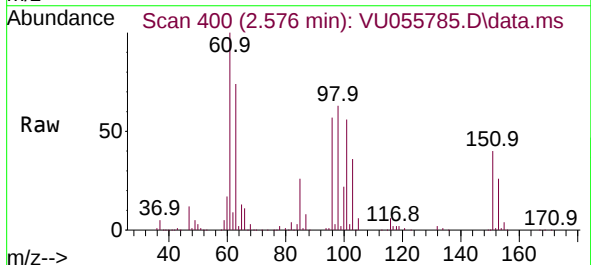
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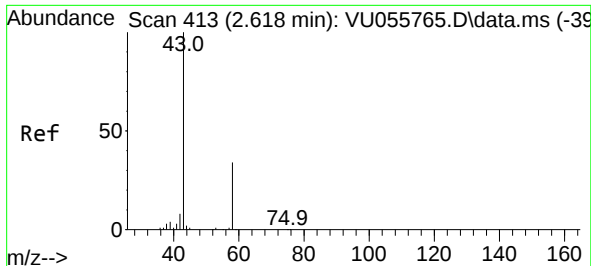
Tgt Ion:101 Resp: 191044
 Ion Ratio Lower Upper
 101 100
 85 45.1 37.1 55.7
 151 72.1 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 51.384 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

Tgt Ion: 96 Resp: 169114
 Ion Ratio Lower Upper
 96 100
 61 175.4 122.0 226.6
 63 129.3 93.7 174.1





#13

Acetone

Concen: 54.793 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

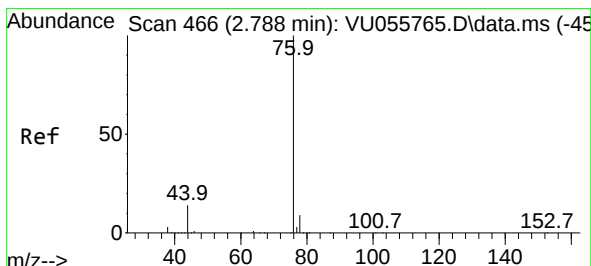
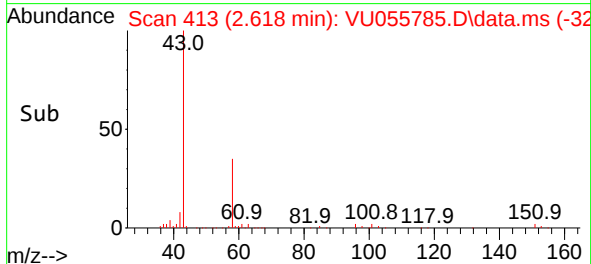
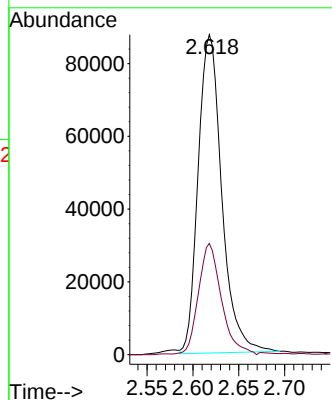
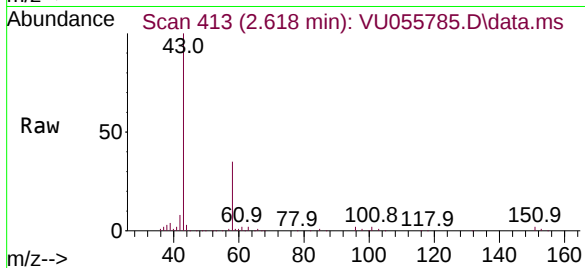
ClientSampleId :

Tgt Ion: 43 Resp: 156889

Ion Ratio Lower Upper

43 100

58 34.0 0.0 67.4



#14

Carbon disulfide

Concen: 48.506 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055785.D

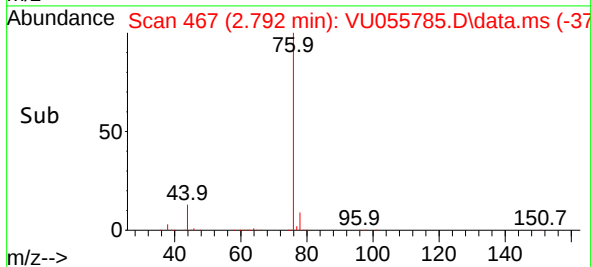
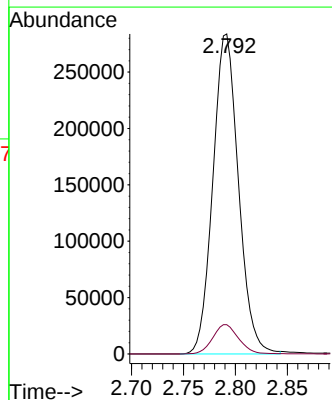
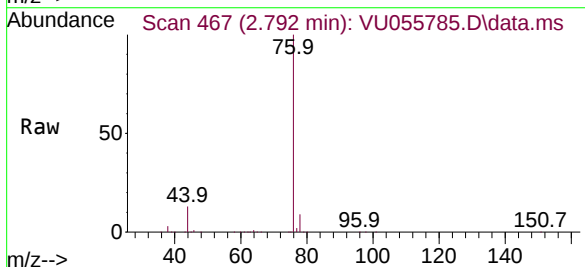
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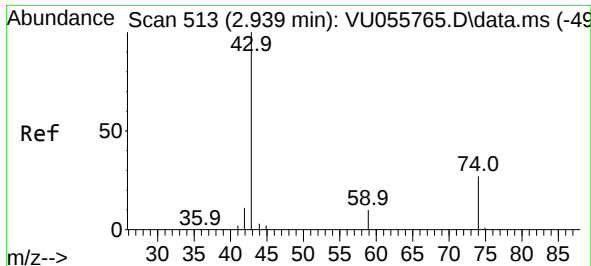
Tgt Ion: 76 Resp: 485819

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

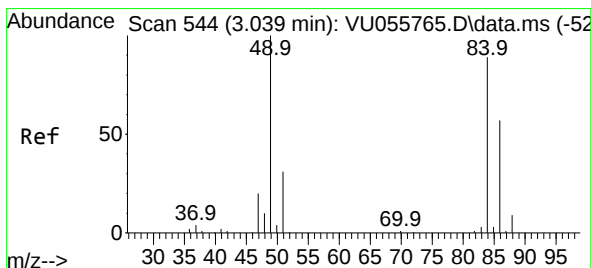
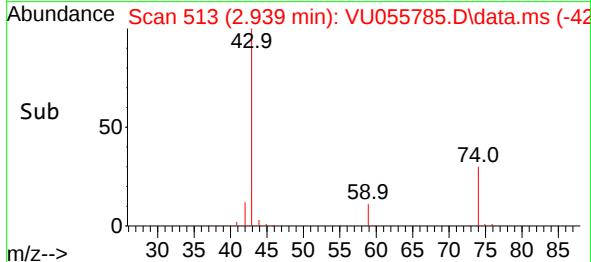
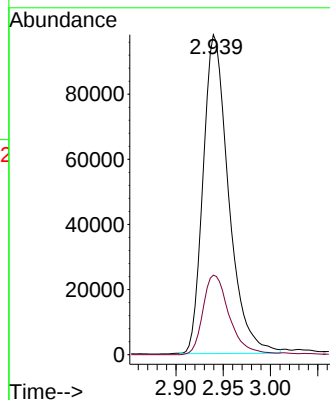
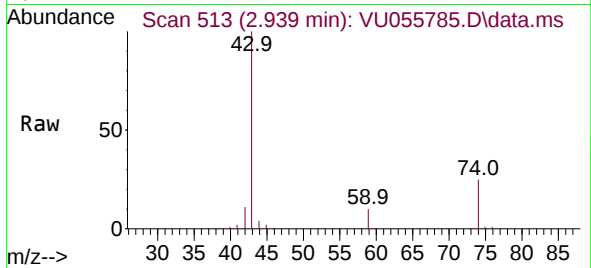




#15
Methyl Acetate
Concen: 41.970 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

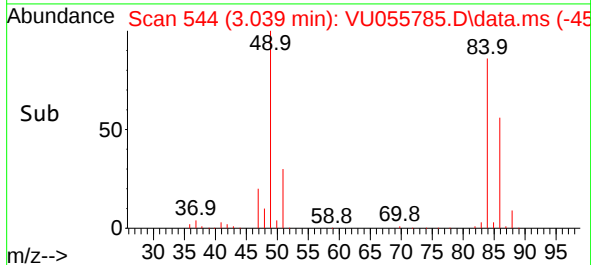
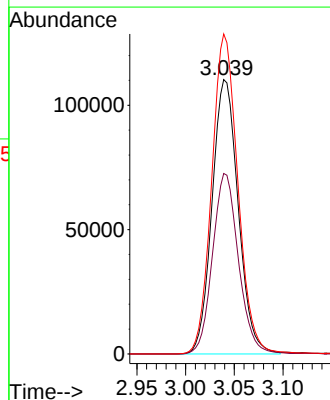
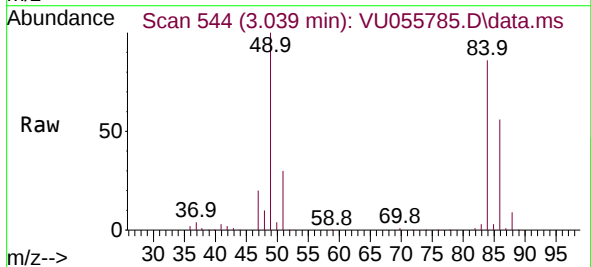
Instrument :
MSVOA_U
ClientSampleId :

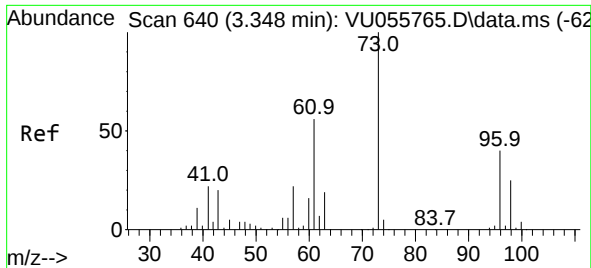
Tgt Ion: 43 Resp: 184043
Ion Ratio Lower Upper
43 100
74 25.7 19.5 29.3



#16
Methylene chloride
Concen: 51.655 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion: 84 Resp: 206168
Ion Ratio Lower Upper
84 100
86 65.8 46.3 86.1
49 116.6 84.8 157.6

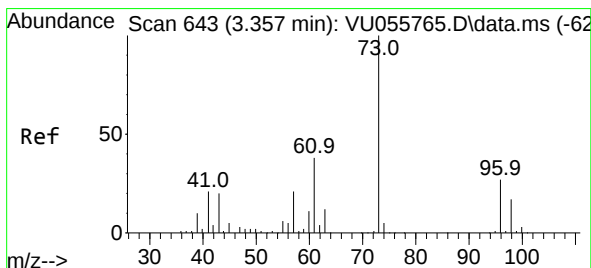
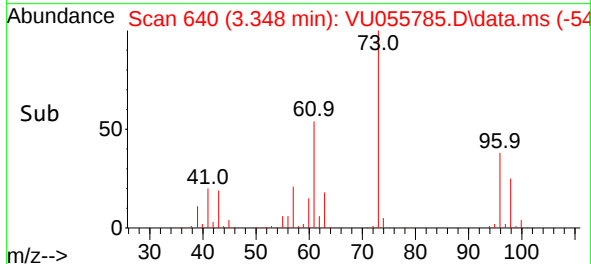
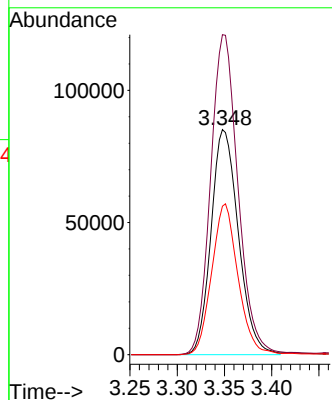
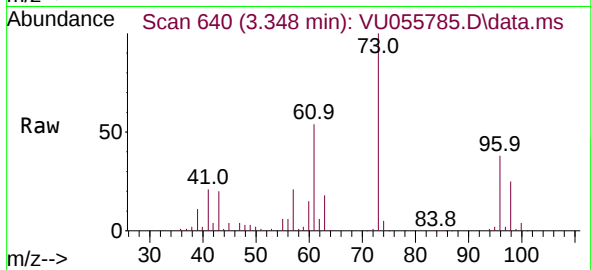




#17
 trans-1,2-Dichloroethene
 Concen: 50.961 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

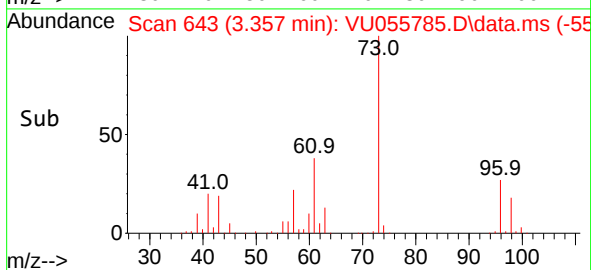
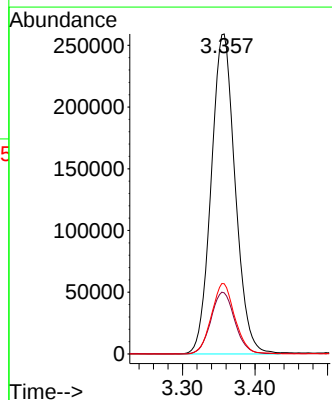
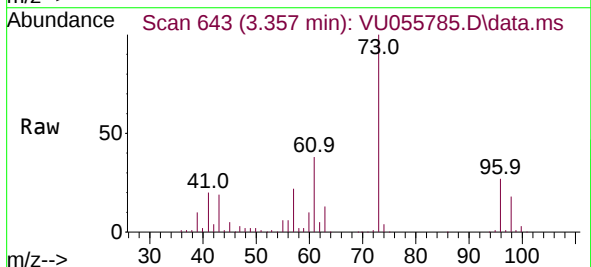
Instrument :
 MSVOA_U
 ClientSampleId :

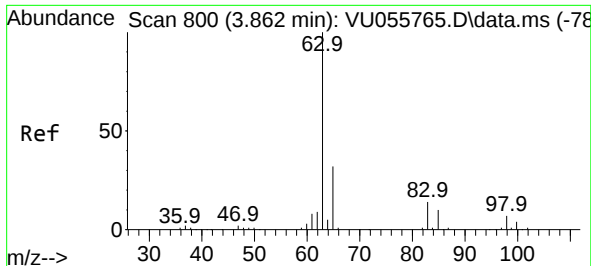
Tgt Ion: 96 Resp: 171504
 Ion Ratio Lower Upper
 96 100
 61 142.1 102.1 189.7
 98 65.9 46.3 86.1



#18
 Methyl tert-butyl Ether
 Concen: 54.891 ug/L
 RT: 3.357 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

Tgt Ion: 73 Resp: 594096
 Ion Ratio Lower Upper
 73 100
 43 19.2 15.4 23.2
 57 21.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 52.204 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

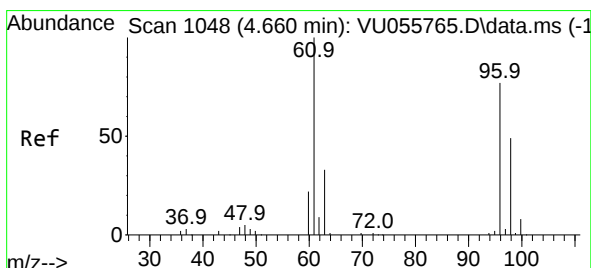
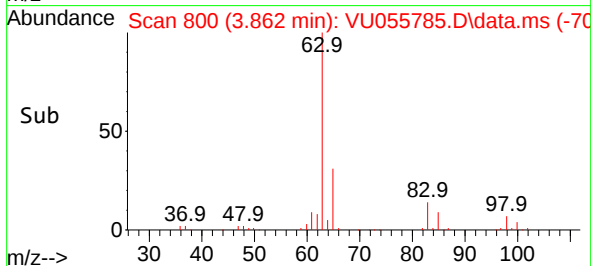
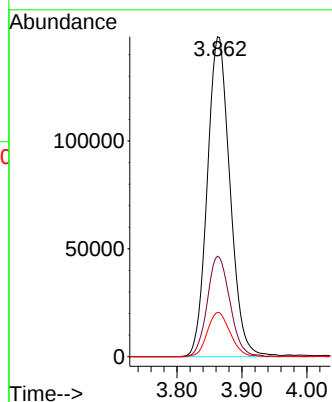
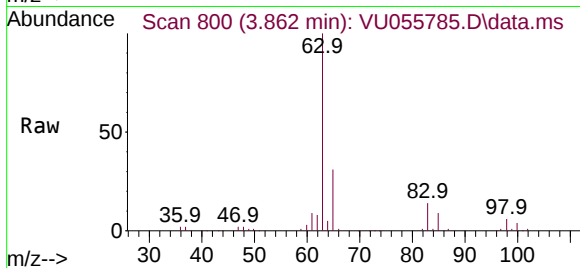
Tgt Ion: 63 Resp: 360288

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 53.183 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

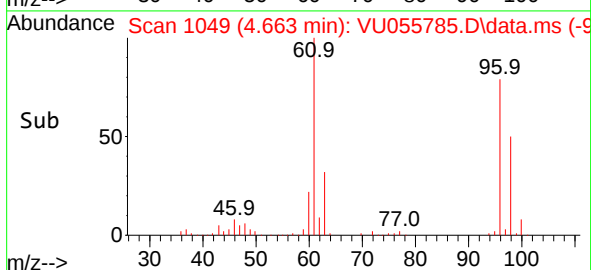
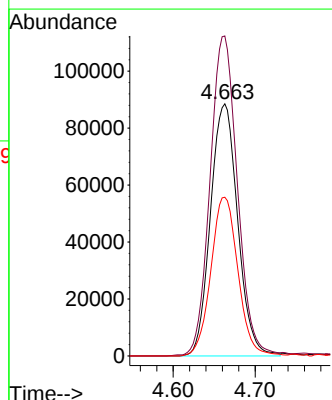
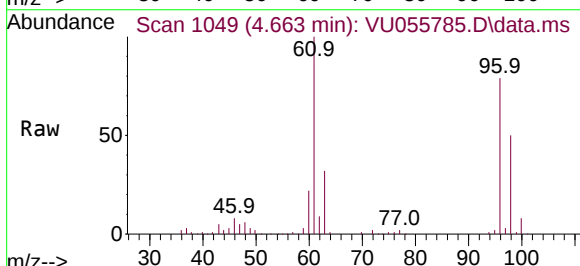
Tgt Ion: 96 Resp: 204275

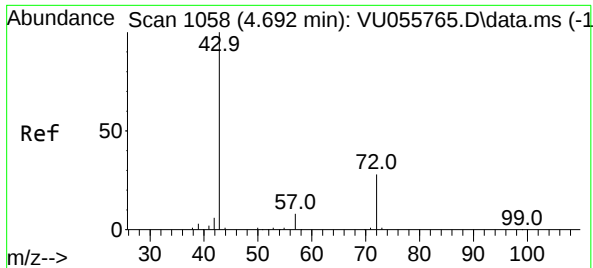
Ion Ratio Lower Upper

96 100

61 126.9 92.3 171.5

98 62.9 43.9 81.5

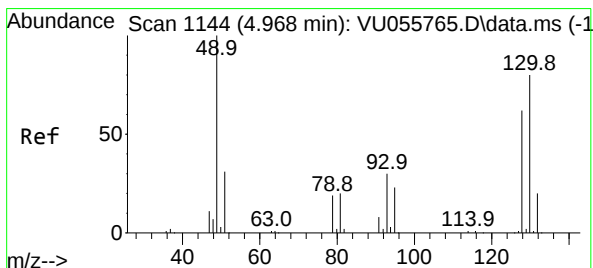
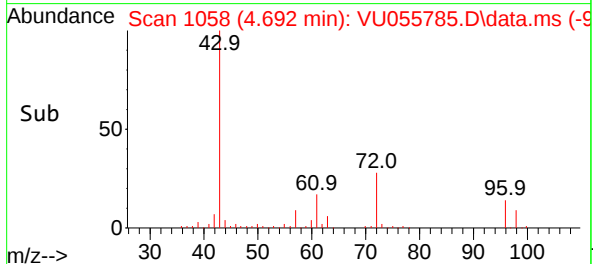
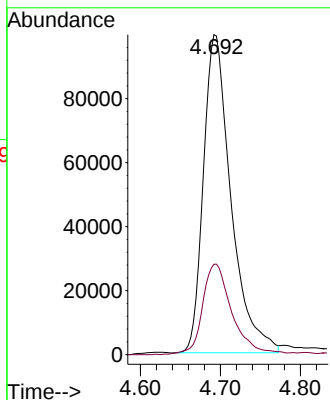
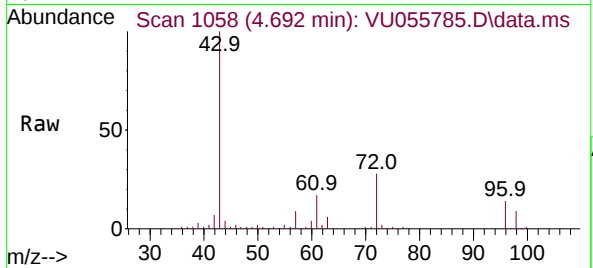




#22
2-Butanone
Concen: 69.186 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

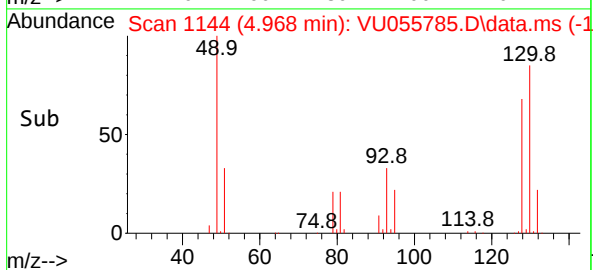
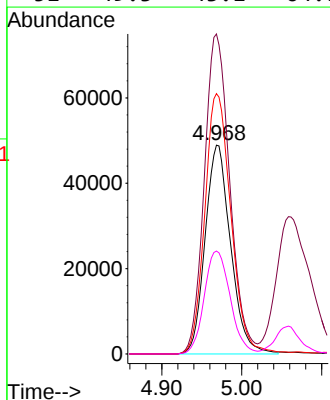
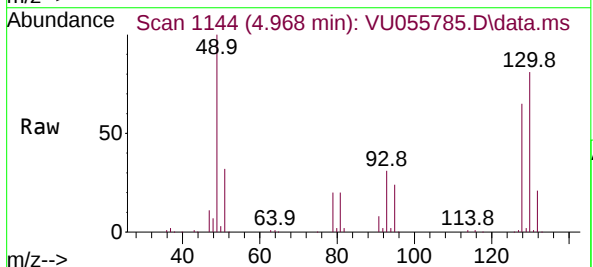
Instrument :
MSVOA_U
ClientSampleId :

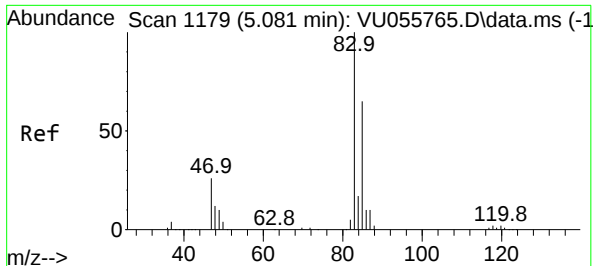
Tgt Ion: 43 Resp: 238773
Ion Ratio Lower Upper
43 100
72 30.5 14.6 44.0



#23
Bromochloromethane
Concen: 54.491 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion:128 Resp: 108394
Ion Ratio Lower Upper
128 100
49 153.3 116.3 216.1
130 124.7 91.6 170.0
51 49.3 43.1 64.7





#25

Chloroform

Concen: 53.571 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

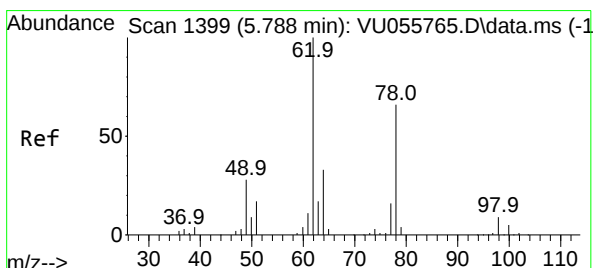
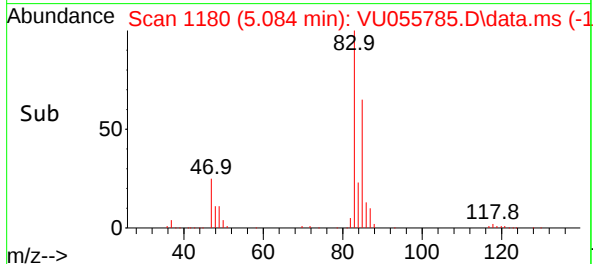
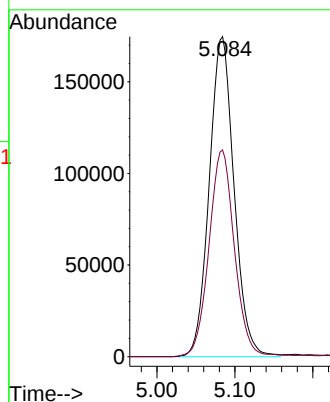
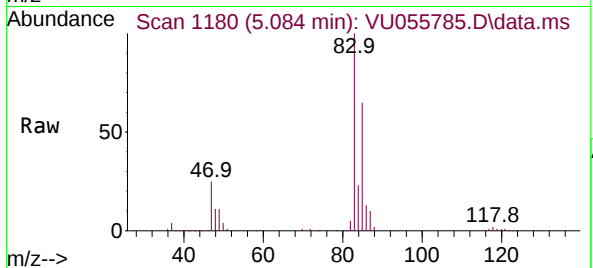
ClientSampleId :

Tgt Ion: 83 Resp: 386233

Ion Ratio Lower Upper

83 100

85 64.6 46.3 86.1



#27

1,2-Dichloroethane

Concen: 53.023 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055785.D

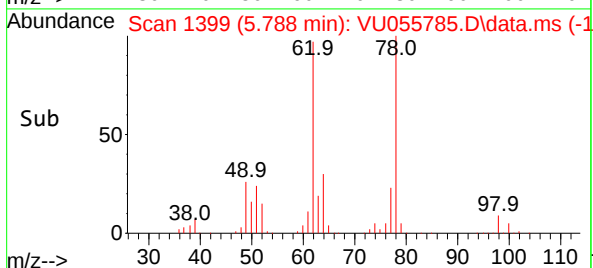
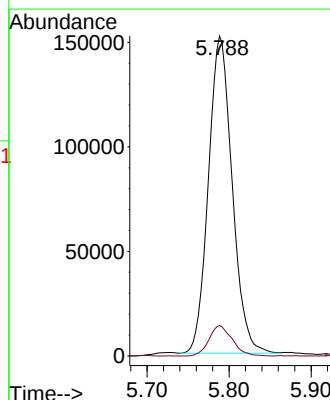
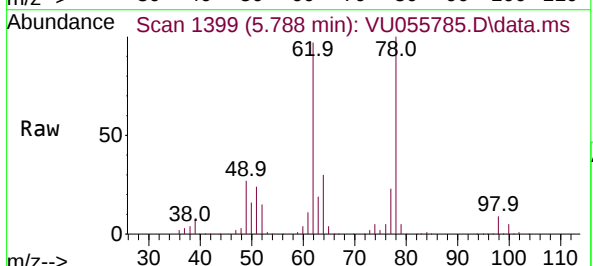
Acq: 17 Oct 2023 09:17

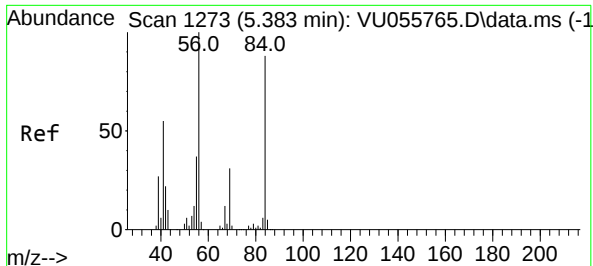
Tgt Ion: 62 Resp: 305752

Ion Ratio Lower Upper

62 100

98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 53.610 ug/L

RT: 5.386 min Scan# 1273

Delta R.T. 0.003 min

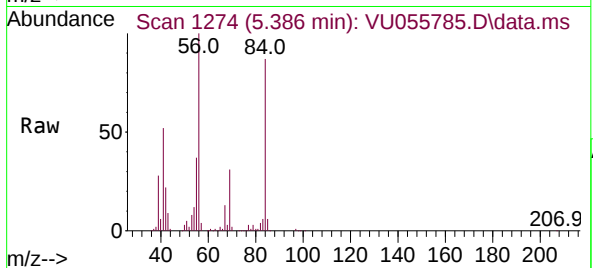
Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :



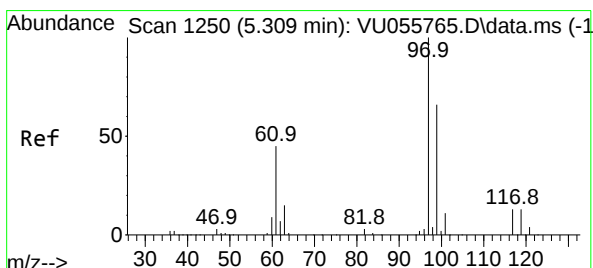
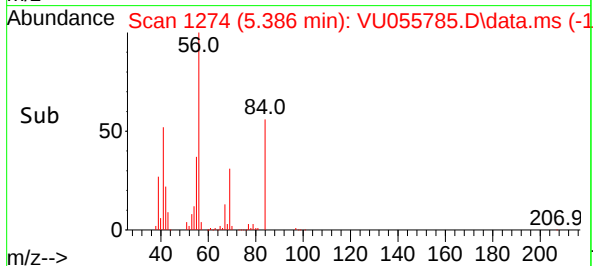
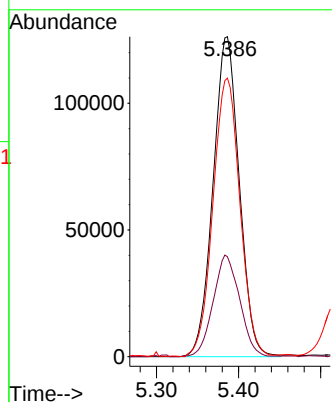
Tgt Ion: 56 Resp: 280010

Ion Ratio Lower Upper

56 100

69 32.0 24.9 37.3

84 89.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 57.069 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

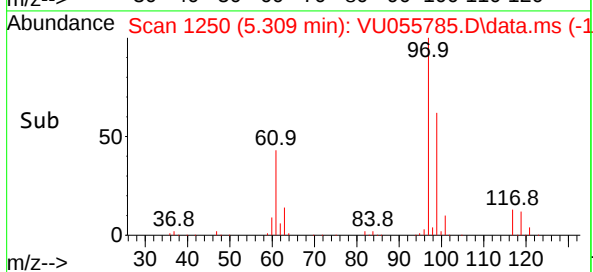
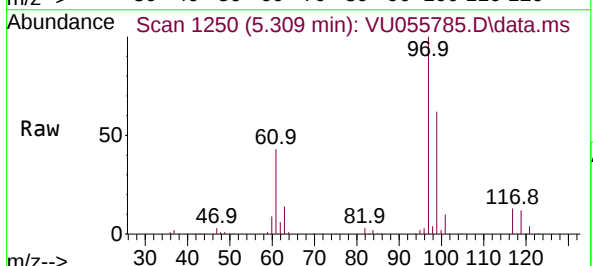
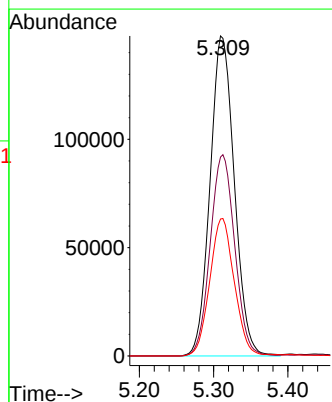
Tgt Ion: 97 Resp: 335975

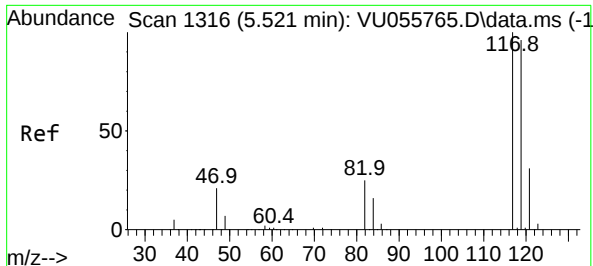
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 43.3 36.8 55.2

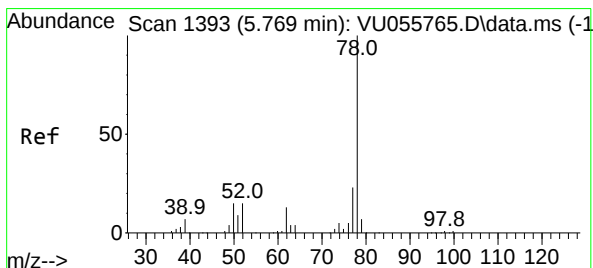
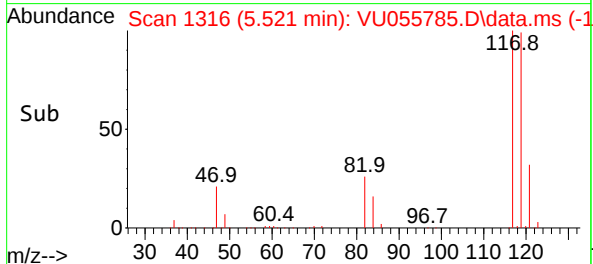
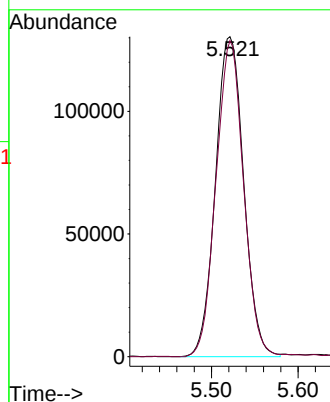
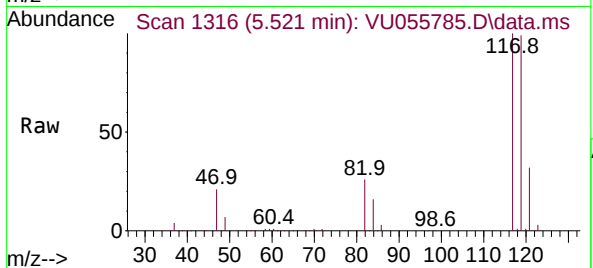




#31
Carbon tetrachloride
Concen: 57.382 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

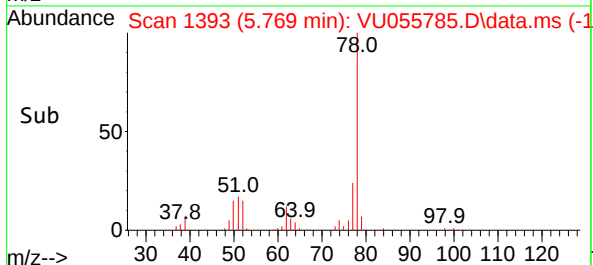
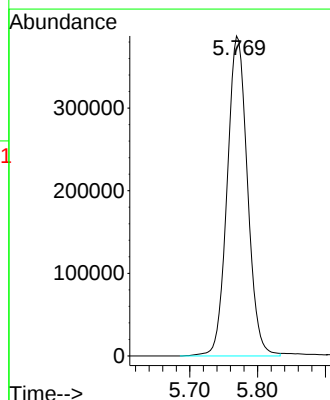
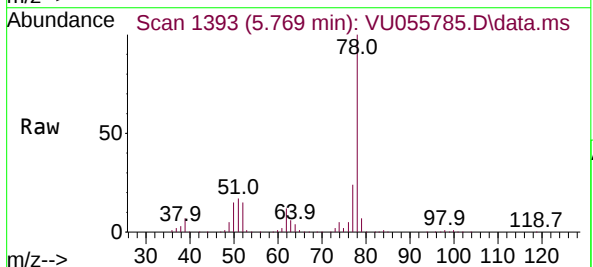
Instrument :
MSVOA_U
ClientSampleId :

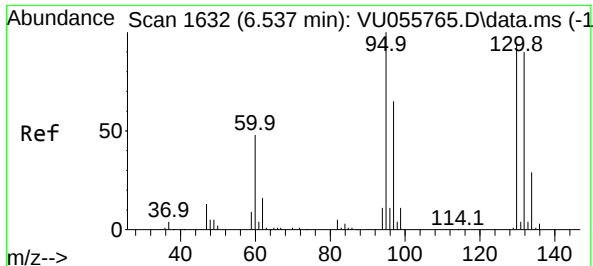
Tgt Ion:117 Resp: 295695
Ion Ratio Lower Upper
117 100
119 96.1 75.4 113.0



#33
Benzene
Concen: 55.936 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

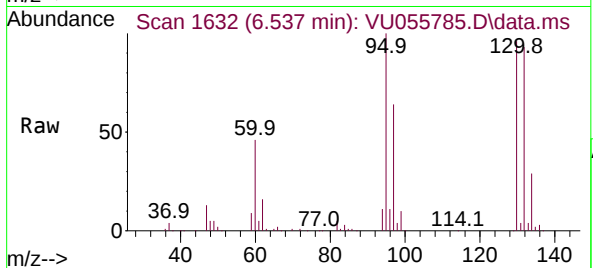
Tgt Ion: 78 Resp: 805727



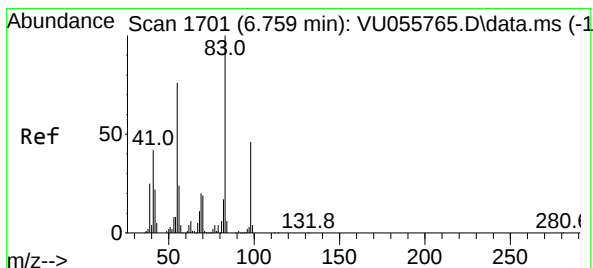
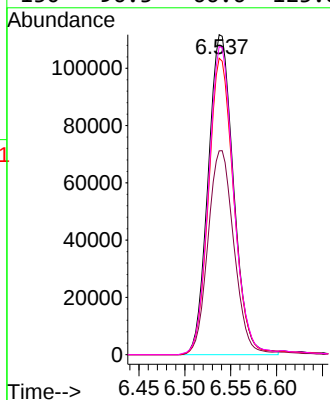
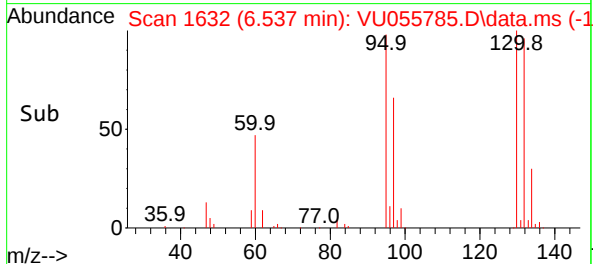


#34
Trichloroethene
Concen: 54.606 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

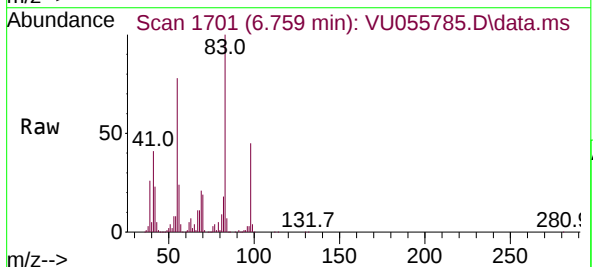
Instrument :
MSVOA_U
ClientSampleId :



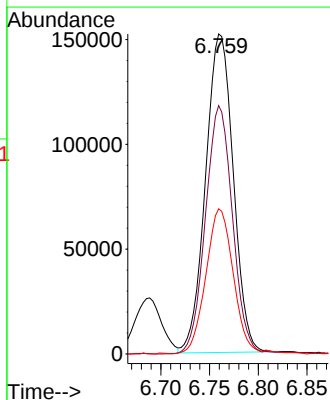
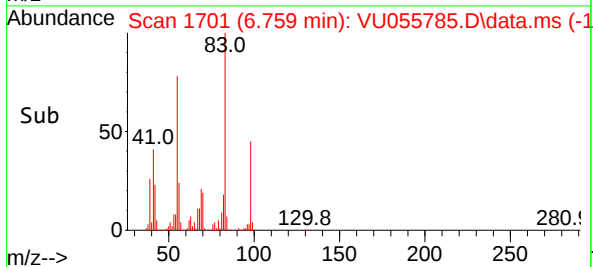
Tgt Ion: 95 Resp: 215220
Ion Ratio Lower Upper
95 100
97 63.7 44.4 82.5
132 92.7 61.8 114.8
130 96.3 66.6 123.8

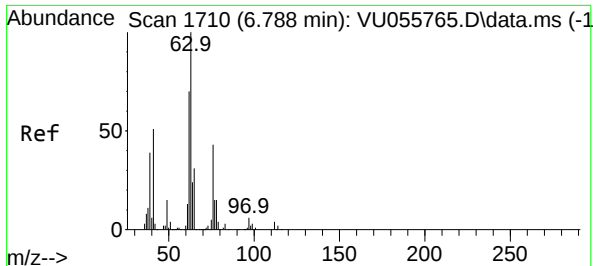


#35
Methylcyclohexane
Concen: 52.595 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17



Tgt Ion: 83 Resp: 300762
Ion Ratio Lower Upper
83 100
55 76.1 61.2 91.8
98 44.7 35.8 53.6

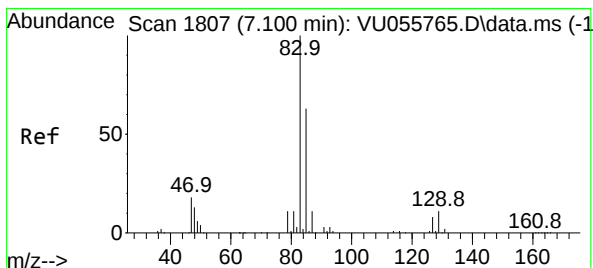
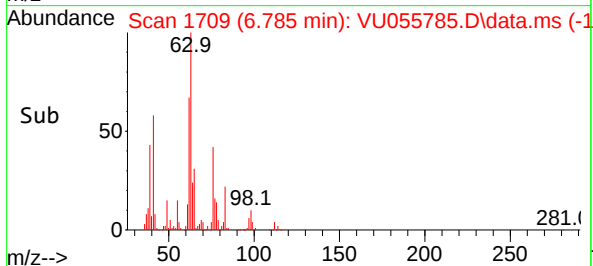
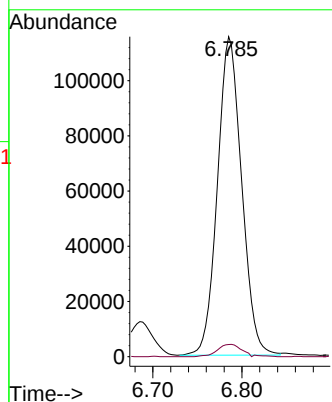
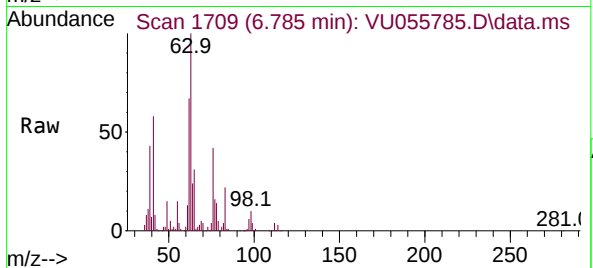




#37
1,2-Dichloropropane
Concen: 54.939 ug/L
RT: 6.785 min Scan# 1710
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

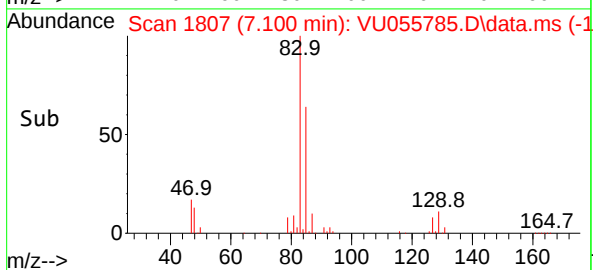
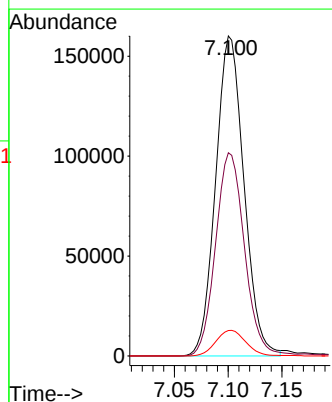
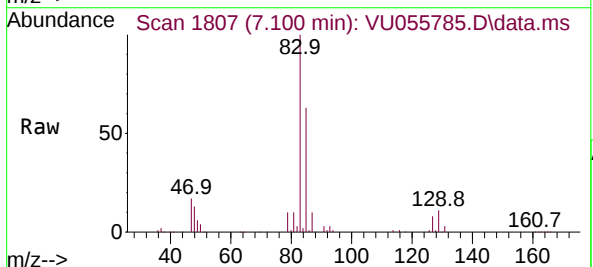
Instrument :
MSVOA_U
ClientSampleId :

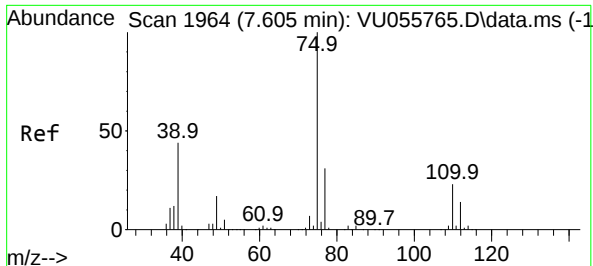
Tgt Ion: 63 Resp: 217913
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 56.172 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion: 83 Resp: 293821
Ion Ratio Lower Upper
83 100
85 63.5 46.0 85.4
127 8.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 52.160 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

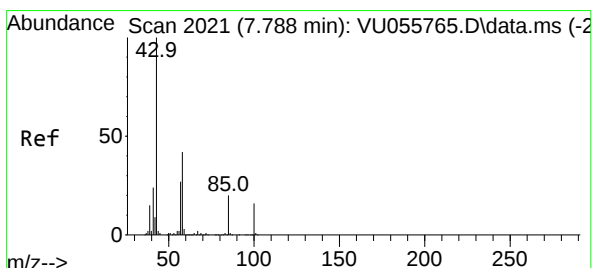
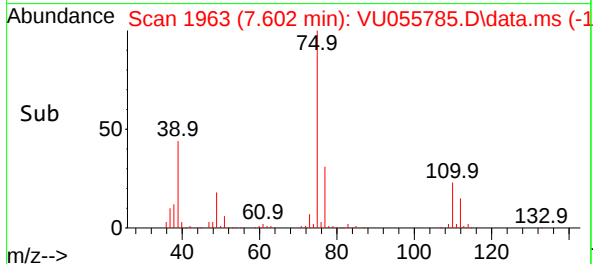
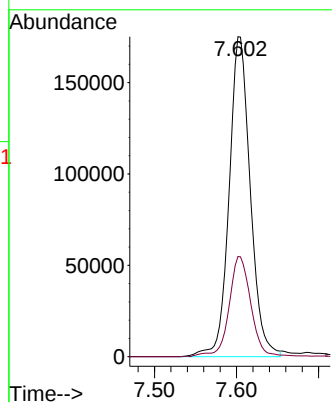
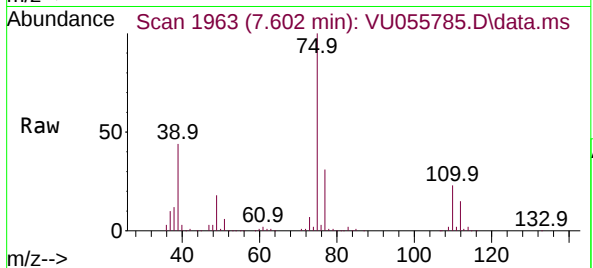
ClientSampleId :

Tgt Ion: 75 Resp: 314755

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 91.255 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

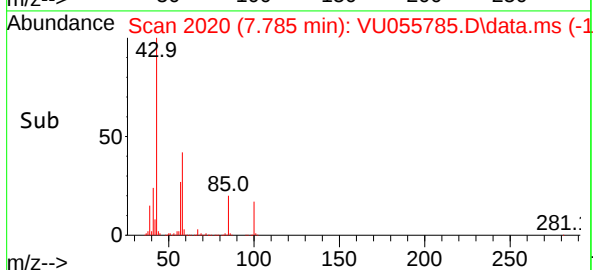
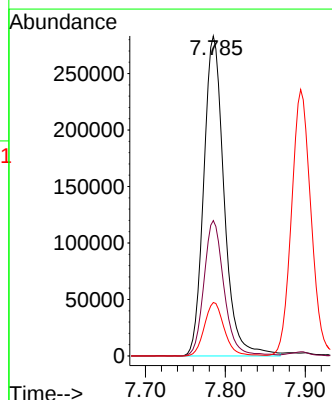
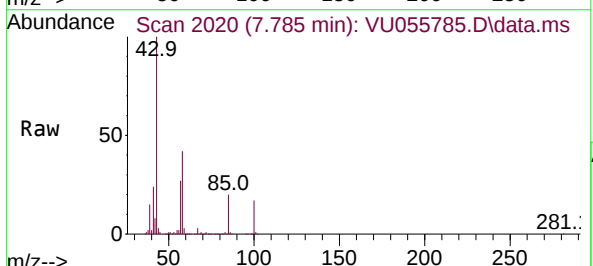
Tgt Ion: 43 Resp: 503552

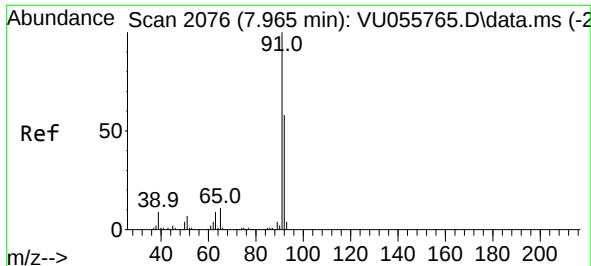
Ion Ratio Lower Upper

43 100

58 41.3 32.3 48.5

100 16.3 12.0 18.0





#42

Toluene

Concen: 56.035 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

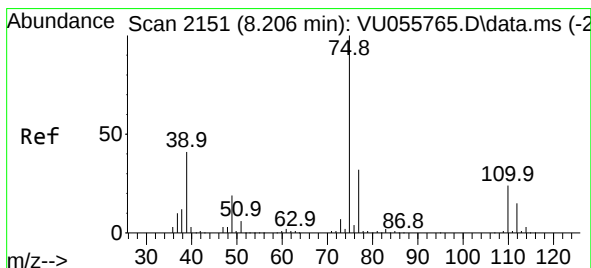
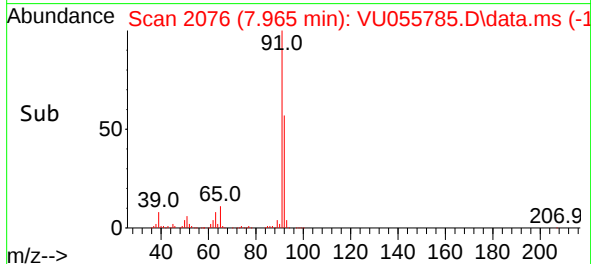
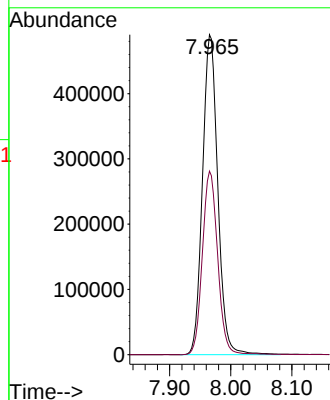
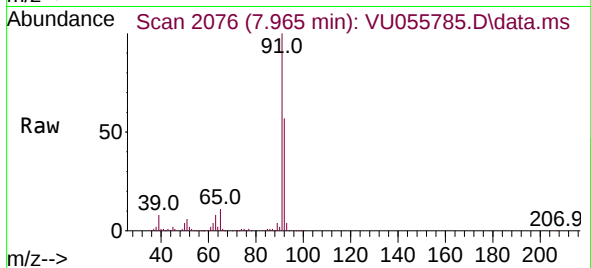
ClientSampleId :

Tgt Ion: 91 Resp: 851701

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 52.279 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055785.D

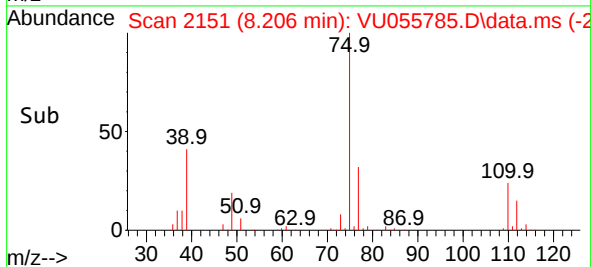
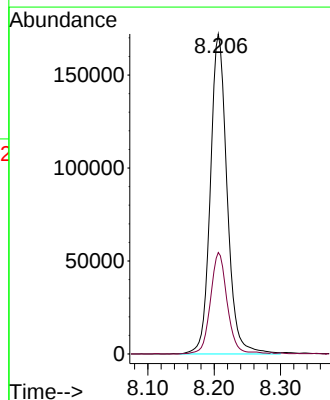
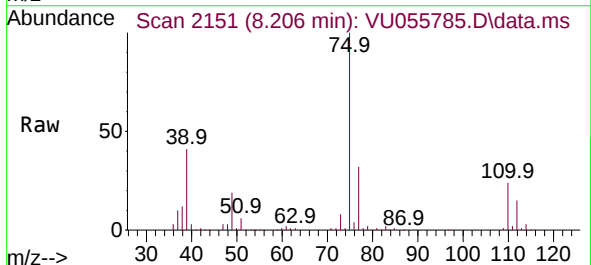
Acq: 17 Oct 2023 09:17

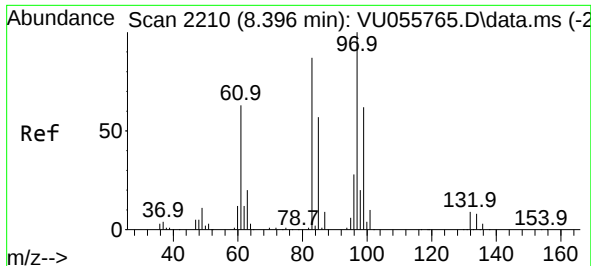
Tgt Ion: 75 Resp: 301847

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 55.261 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 216133

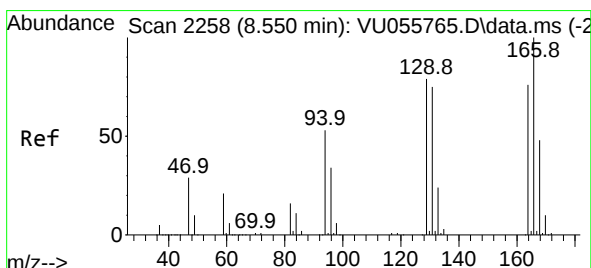
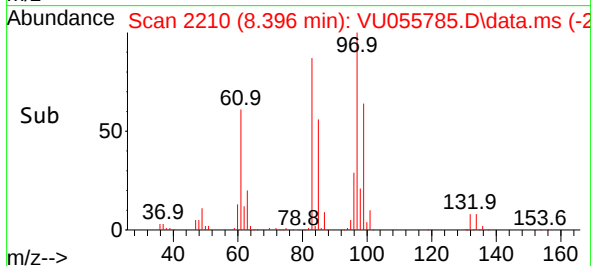
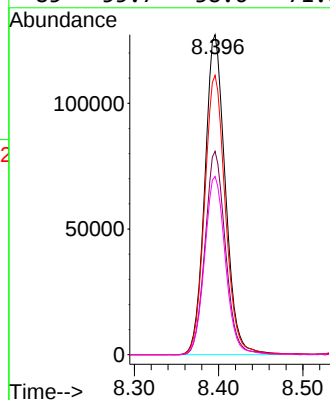
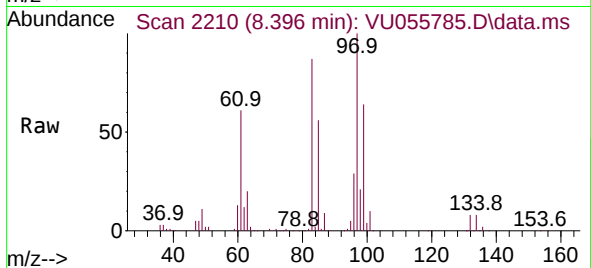
Ion Ratio Lower Upper

97 100

99 63.5 44.4 82.5

83 87.3 60.4 112.2

85 55.7 38.6 71.8



#46

Tetrachloroethene

Concen: 53.102 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Tgt Ion:164 Resp: 149846

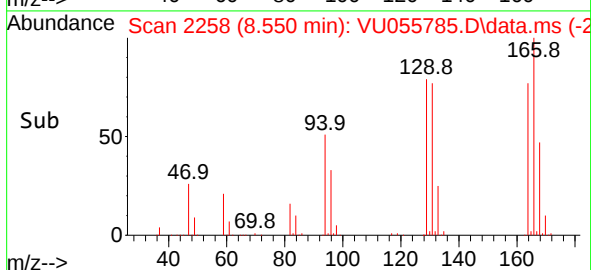
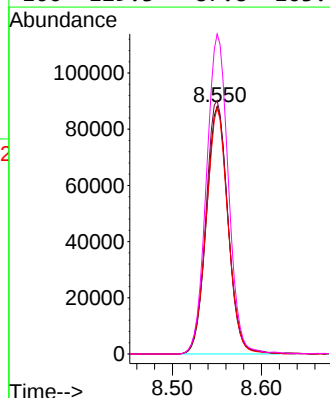
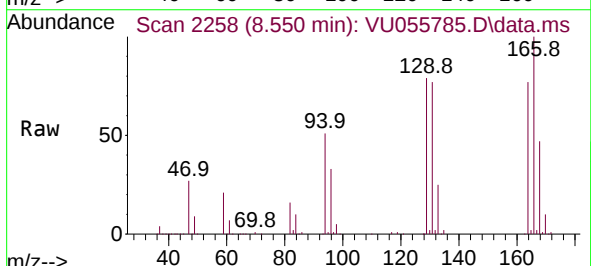
Ion Ratio Lower Upper

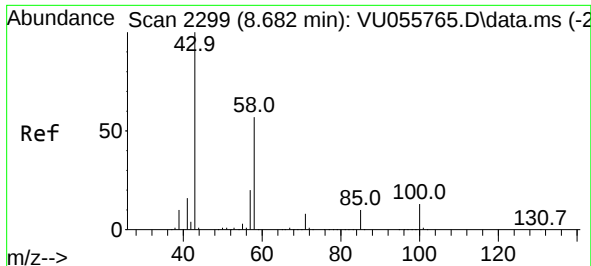
164 100

129 102.4 70.7 131.3

131 99.5 65.9 122.5

166 129.3 87.8 163.0

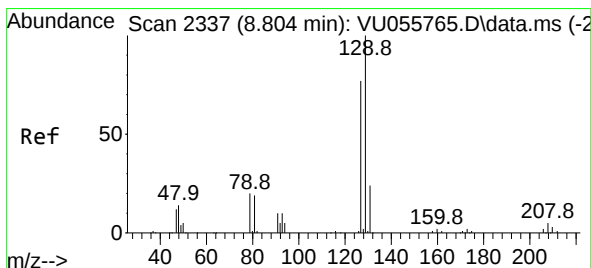
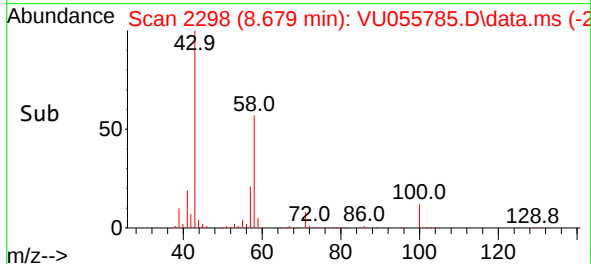
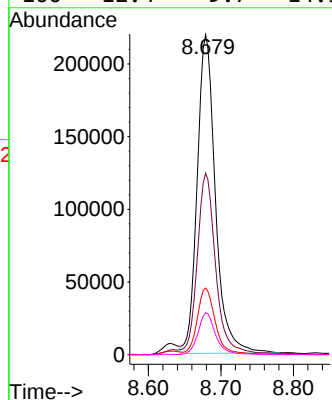
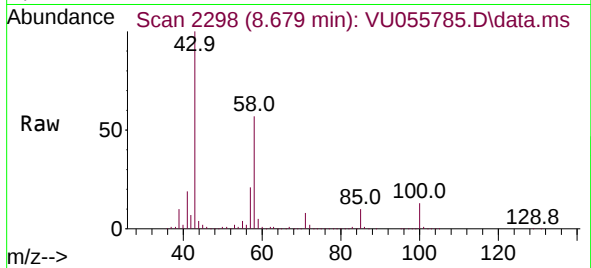




#48
2-Hexanone
Concen: 82.390 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

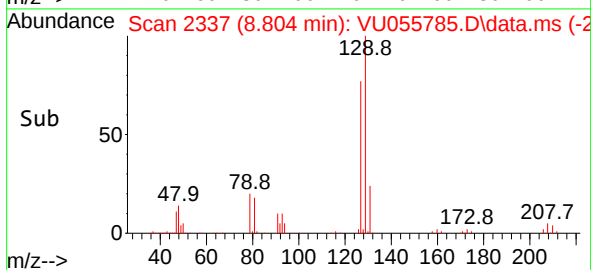
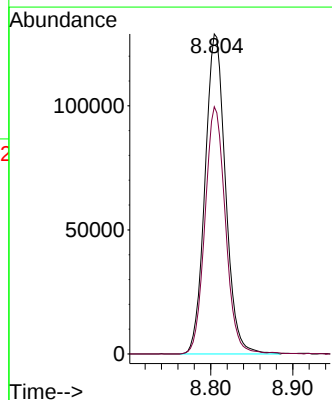
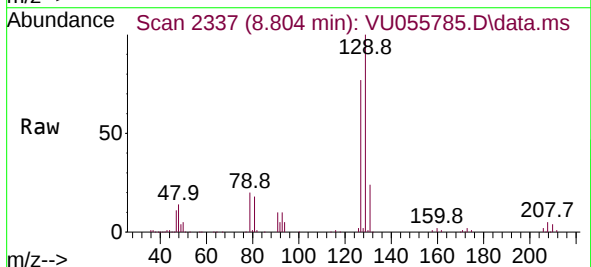
Instrument :
MSVOA_U
ClientSampleId :

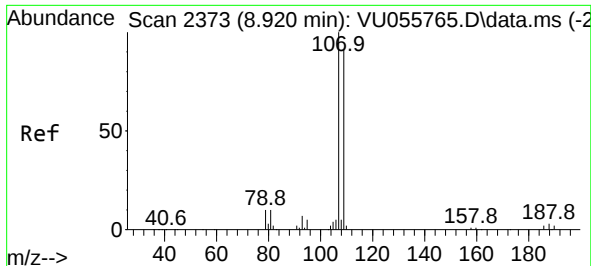
Tgt Ion: 43 Resp: 384013
Ion Ratio Lower Upper
43 100
58 56.0 45.2 67.8
57 20.7 16.1 24.1
100 12.4 9.7 14.5



#49
Dibromochloromethane
Concen: 55.990 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion:129 Resp: 223755
Ion Ratio Lower Upper
129 100
127 77.2 54.0 100.4





#50

1,2-Dibromoethane

Concen: 54.280 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

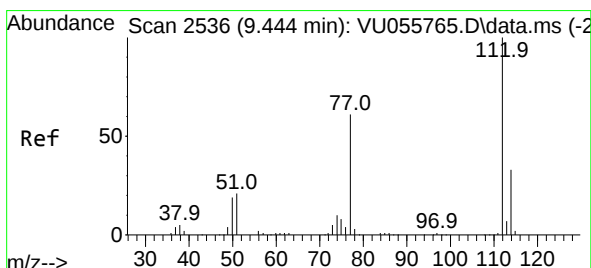
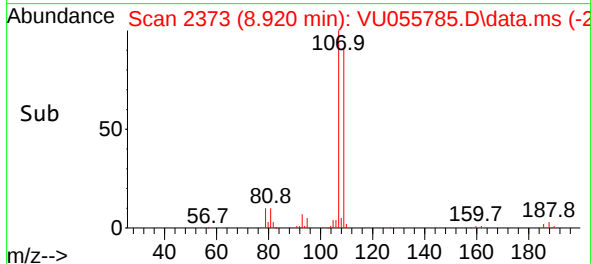
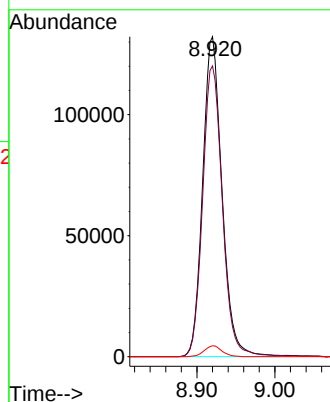
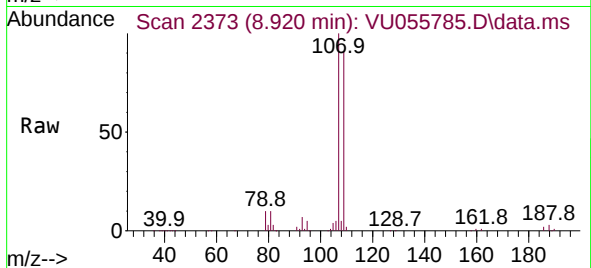
Tgt Ion:107 Resp: 228025

Ion Ratio Lower Upper

107 100

109 90.9 66.7 123.9

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 53.434 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

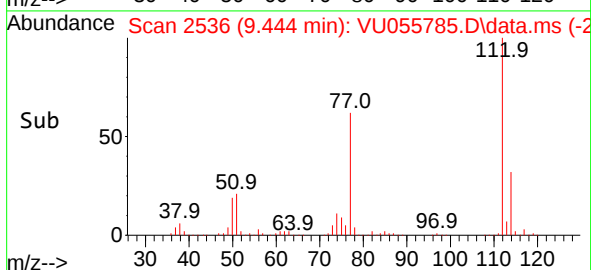
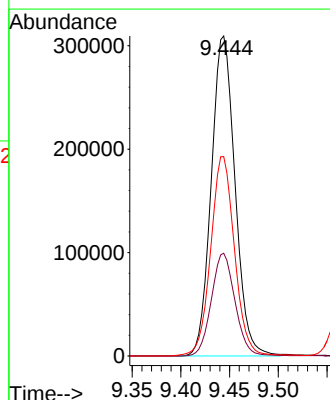
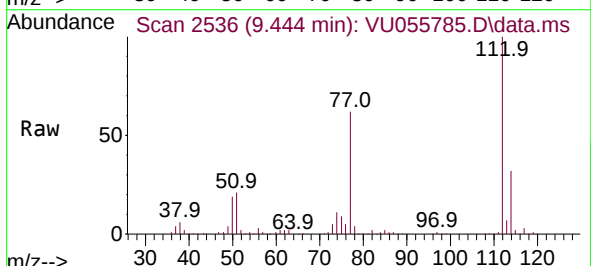
Tgt Ion:112 Resp: 525471

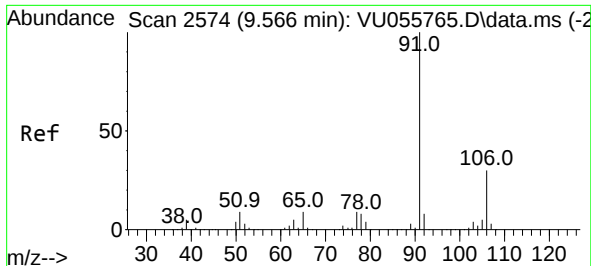
Ion Ratio Lower Upper

112 100

114 32.1 22.0 40.8

77 62.3 49.0 73.6

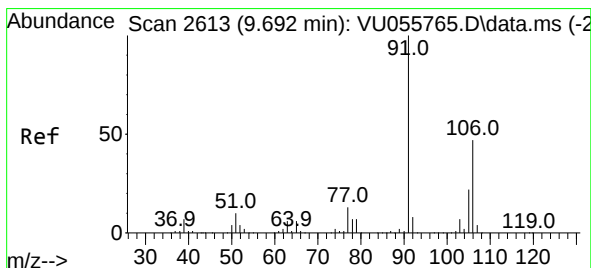
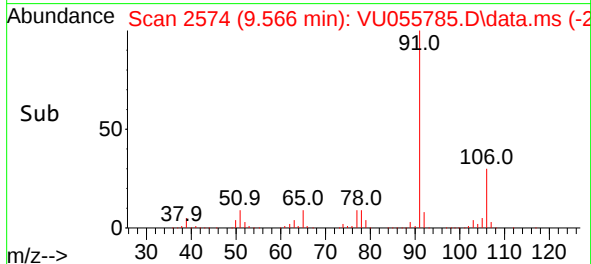
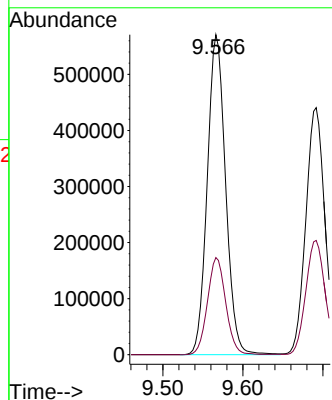
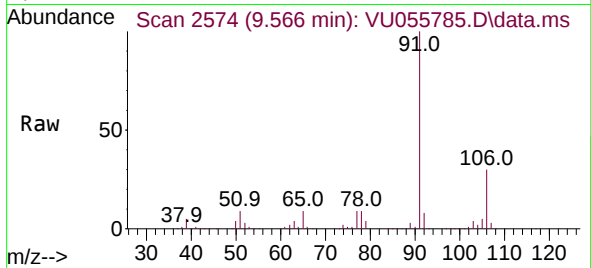




#52
Ethylbenzene
Concen: 54.833 ug/L
RT: 9.566 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

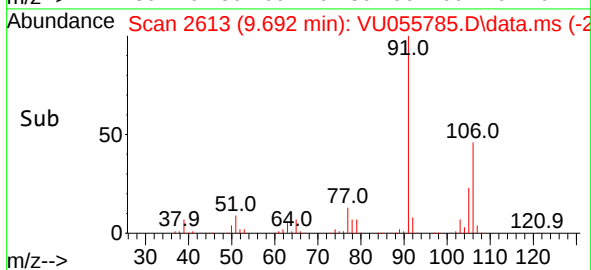
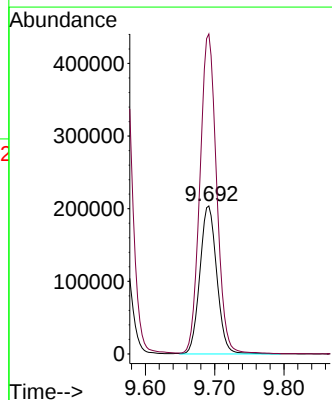
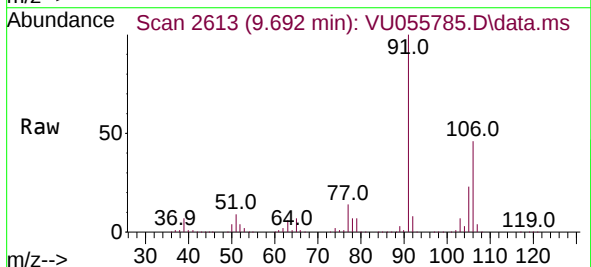
Instrument :
MSVOA_U
ClientSampleId :

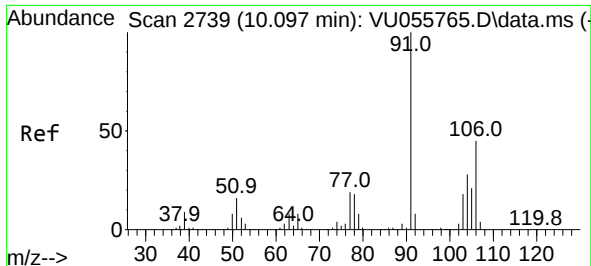
Tgt Ion: 91 Resp: 911170
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#53
m,p-Xylene
Concen: 55.633 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion: 106 Resp: 346339
Ion Ratio Lower Upper
106 100
91 216.3 143.8 267.0

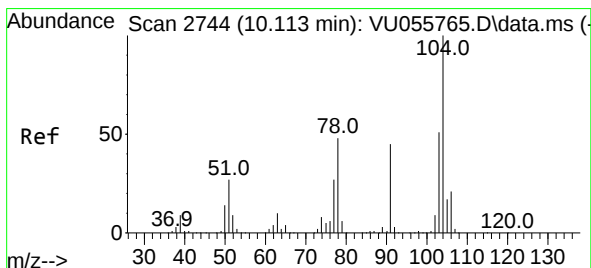
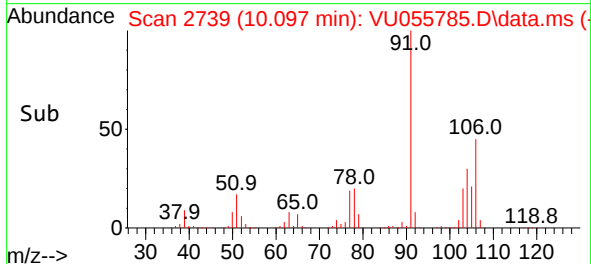
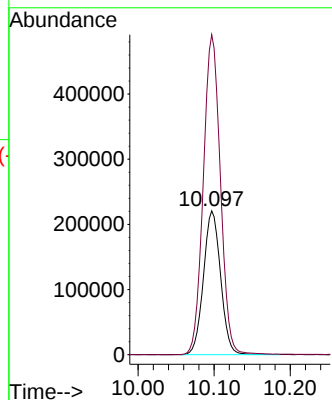
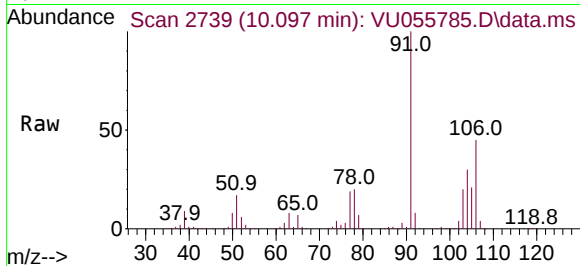




#54
o-Xylene
Concen: 57.426 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

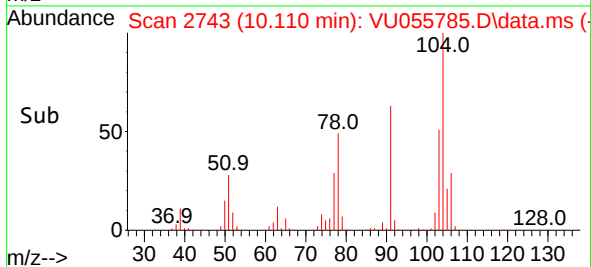
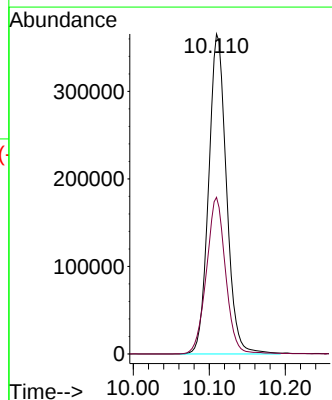
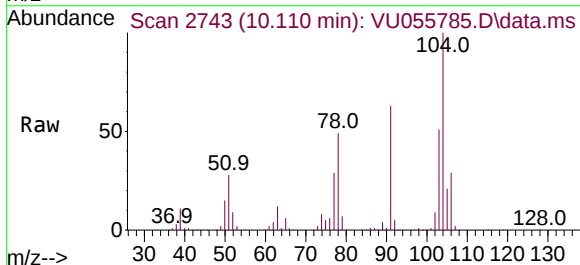
Instrument :
MSVOA_U
ClientSampleId :

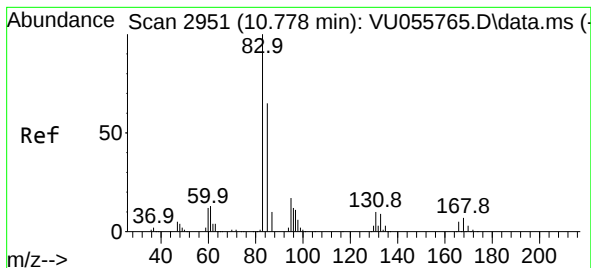
Tgt Ion:106 Resp: 345952
Ion Ratio Lower Upper
106 100
91 222.6 151.8 282.0



#55
Styrene
Concen: 58.364 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion:104 Resp: 595625
Ion Ratio Lower Upper
104 100
78 48.9 33.6 62.4

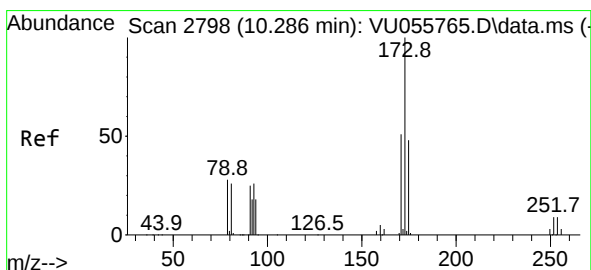
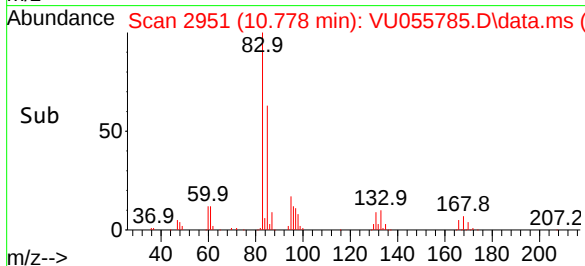
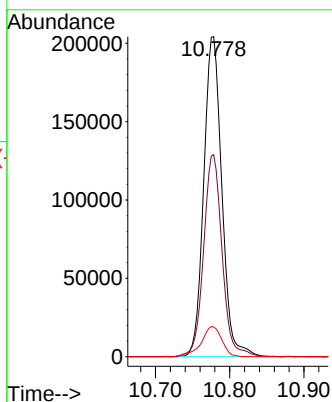
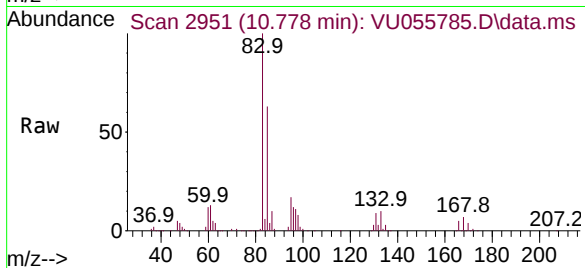




#57
1,1,2,2-Tetrachloroethane
Concen: 51.582 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

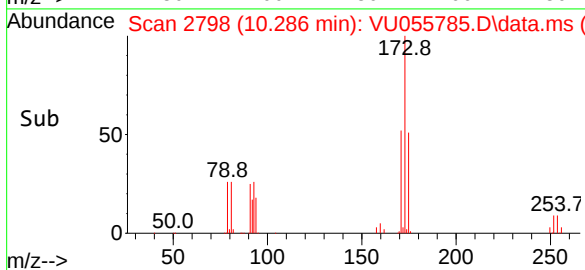
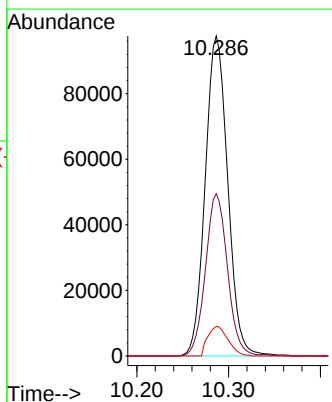
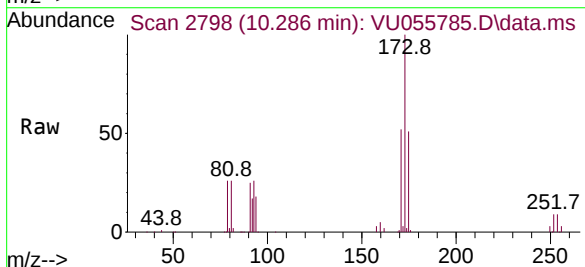
Instrument :
MSVOA_U
ClientSampleId :

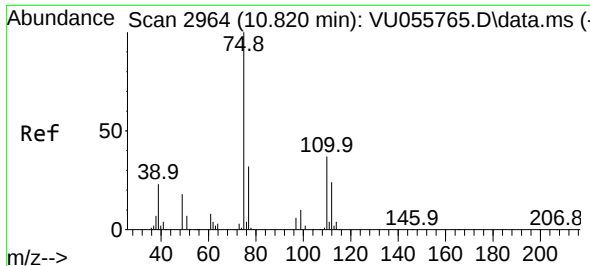
Tgt Ion: 83 Resp: 345444
Ion Ratio Lower Upper
83 100
85 63.1 44.9 83.5
131 9.3 7.3 10.9



#59
Bromoform
Concen: 52.829 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

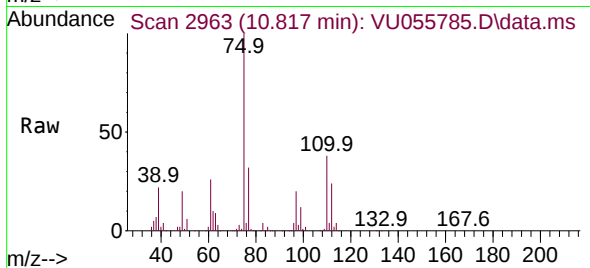
Tgt Ion: 173 Resp: 166568
Ion Ratio Lower Upper
173 100
175 49.4 40.4 60.6
254 8.3 7.3 10.9



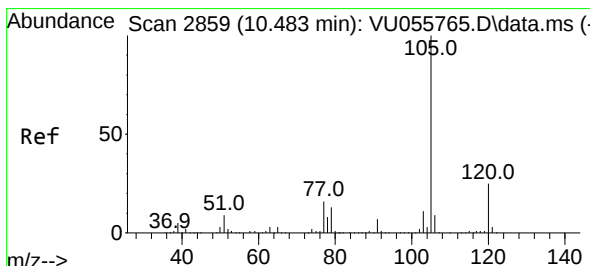
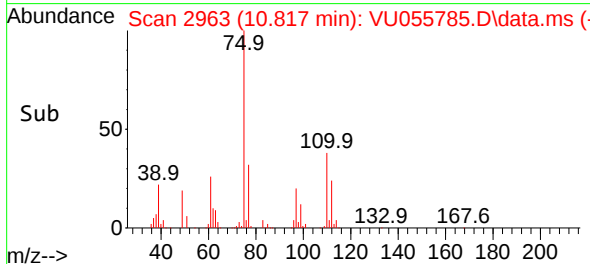
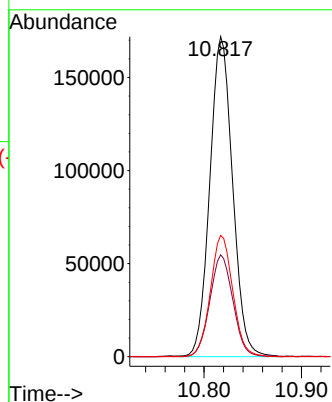


#60
1,2,3-Trichloropropane
Concen: 50.306 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Instrument :
MSVOA_U
ClientSampleId :

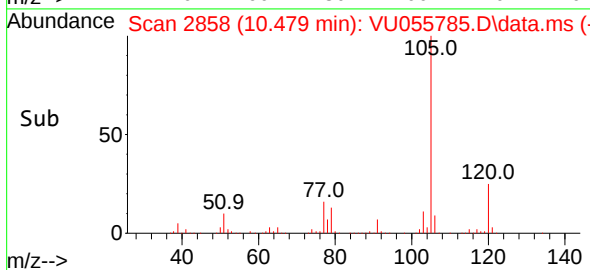
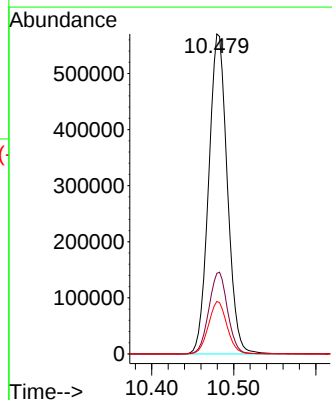
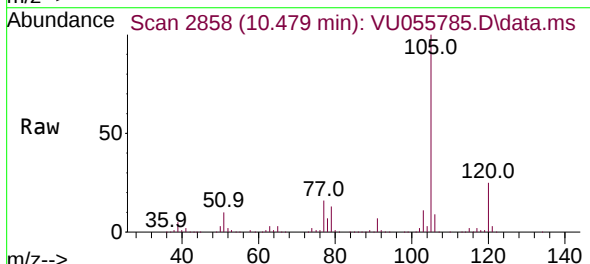


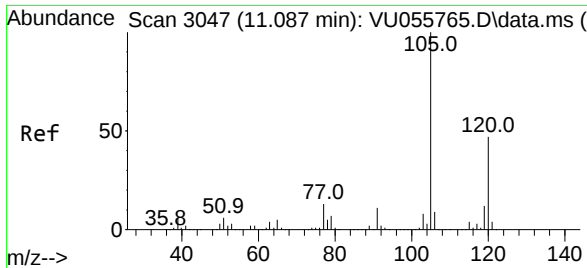
Tgt Ion: 75 Resp: 279635
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8
110 37.3 28.5 42.7



#61
Isopropylbenzene
Concen: 56.258 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion: 105 Resp: 898287
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.4 13.4 20.0

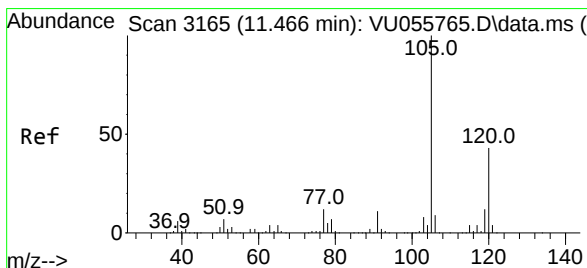
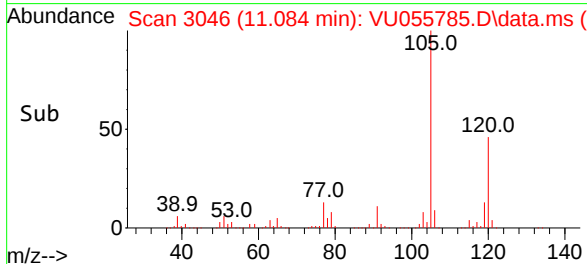
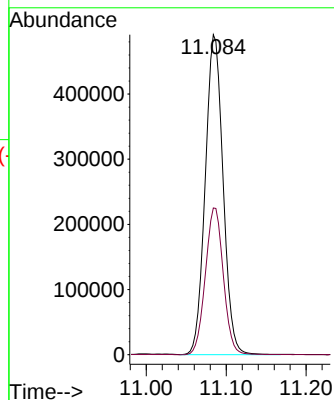
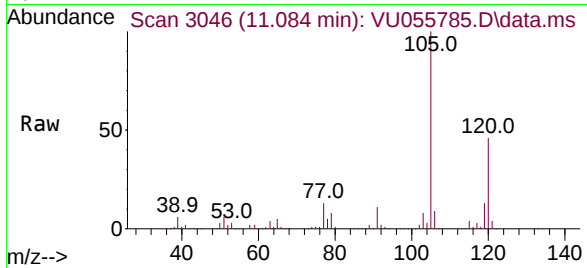




#62
1,3,5-Trimethylbenzene
Concen: 59.027 ug/L
RT: 11.084 min Scan# 3047
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

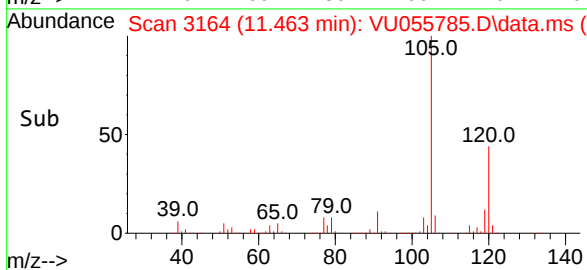
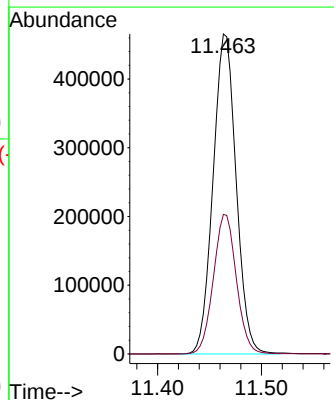
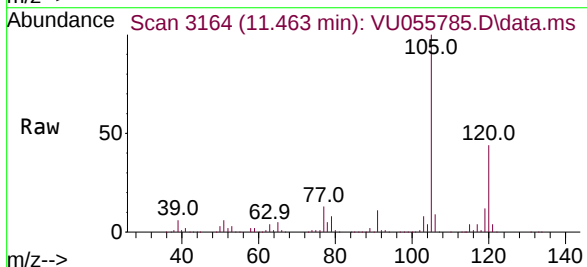
Instrument :
MSVOA_U
ClientSampleId :

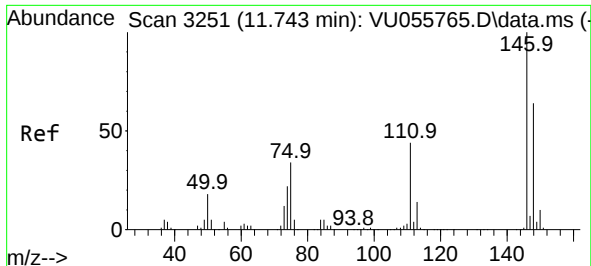
Tgt Ion:105 Resp: 762639
Ion Ratio Lower Upper
105 100
120 46.2 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 56.246 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU055785.D
Acq: 17 Oct 2023 09:17

Tgt Ion:105 Resp: 718588
Ion Ratio Lower Upper
105 100
120 43.2 35.0 52.4

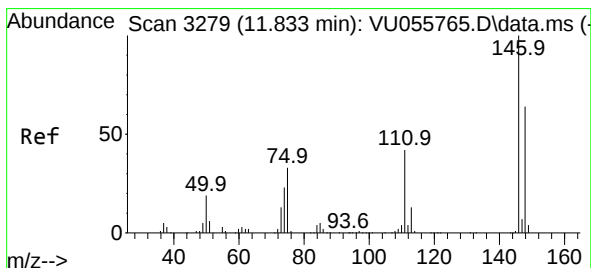
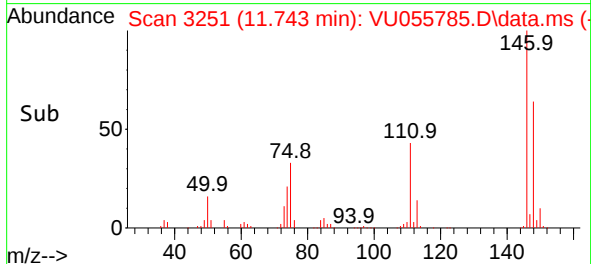
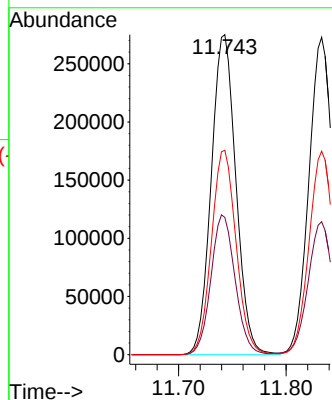
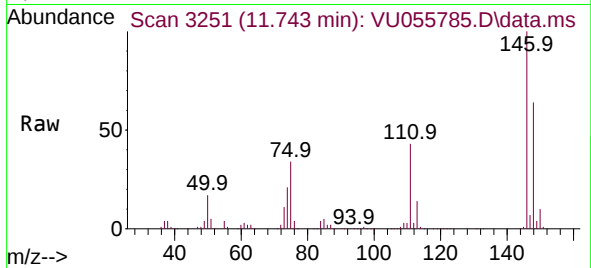




#64
 1,3-Dichlorobenzene
 Concen: 55.646 ug/L
 RT: 11.743 min Scan# 3251
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

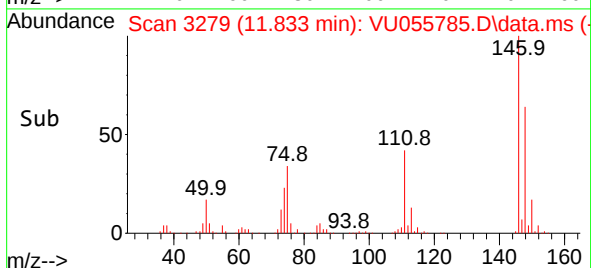
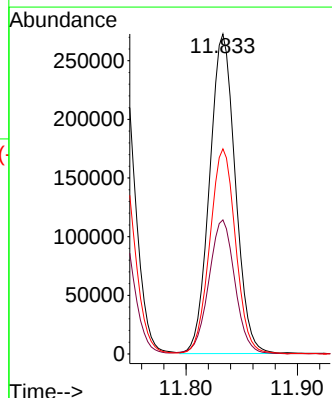
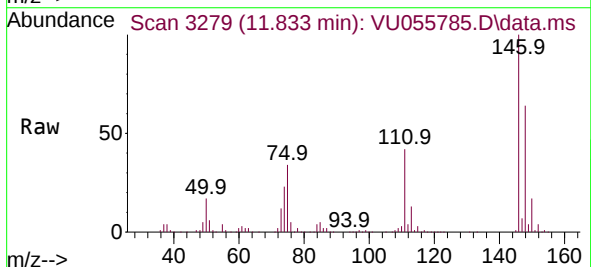
Instrument :
 MSVOA_U
 ClientSampleId :

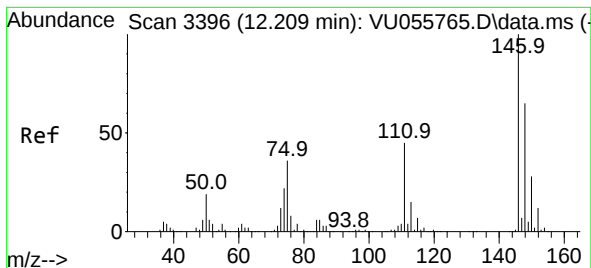
Tgt Ion:146 Resp: 439226
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.7 55.1
 148 63.9 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 53.827 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.000 min
 Lab File: VU055785.D
 Acq: 17 Oct 2023 09:17

Tgt Ion:146 Resp: 436825
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.6 53.0
 148 64.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 56.614 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

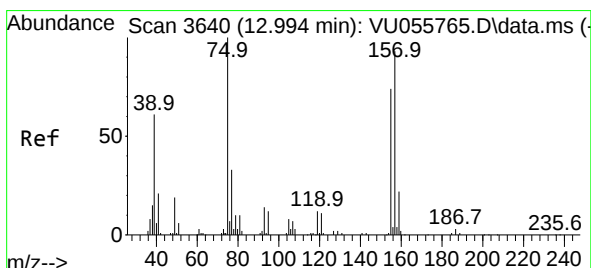
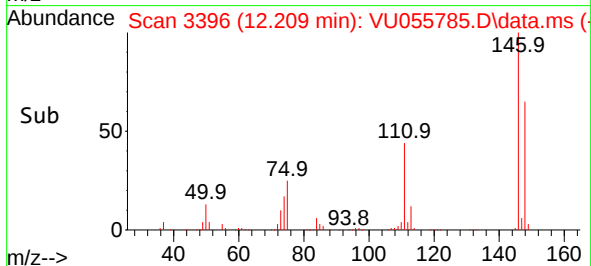
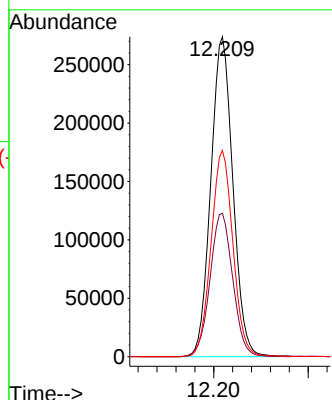
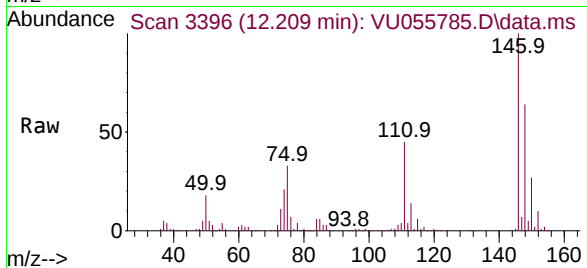
Tgt Ion:146 Resp: 443464

Ion Ratio Lower Upper

146 100

111 44.8 35.2 52.8

148 64.5 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 42.665 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

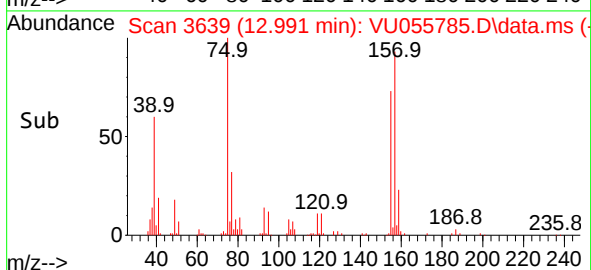
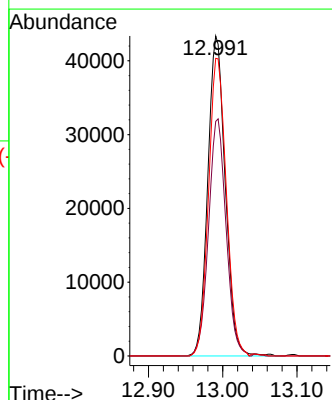
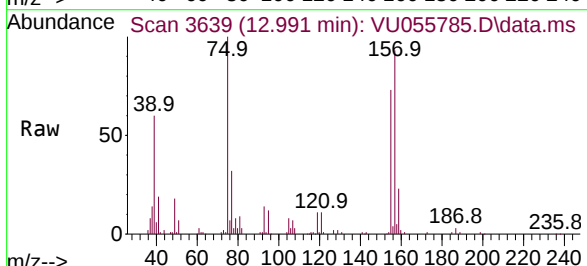
Tgt Ion: 75 Resp: 70903

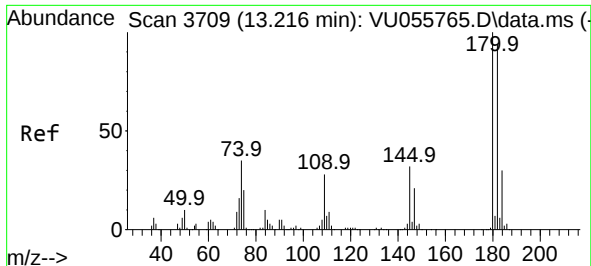
Ion Ratio Lower Upper

75 100

155 73.3 59.6 89.4

157 97.5 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 52.242 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

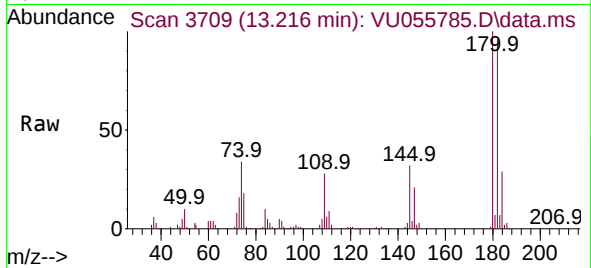
Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 275055

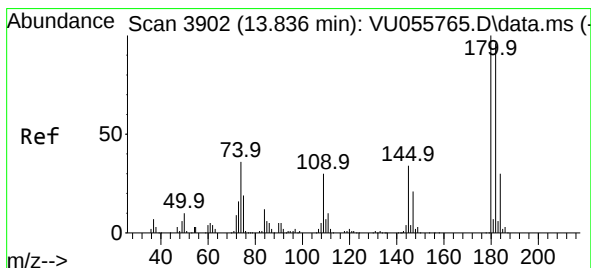
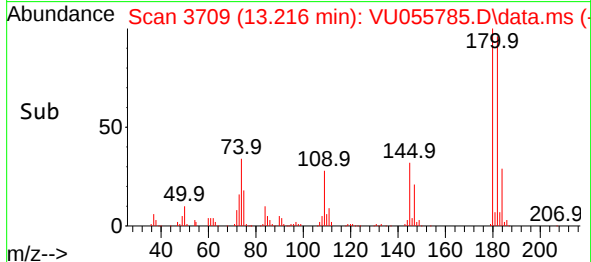
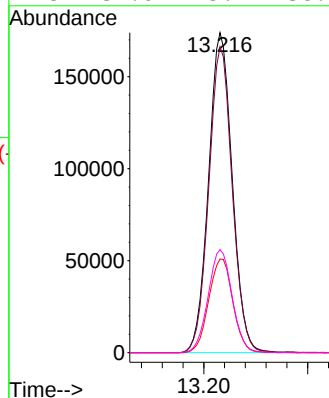
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.2

184 29.9 23.9 35.9

145 32.6 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 49.673 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

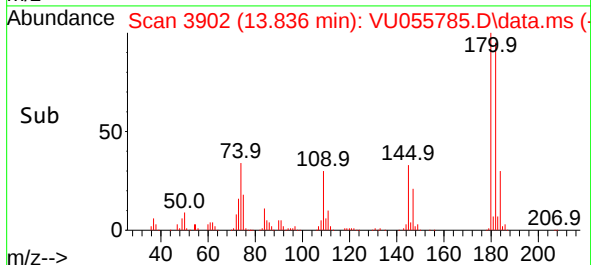
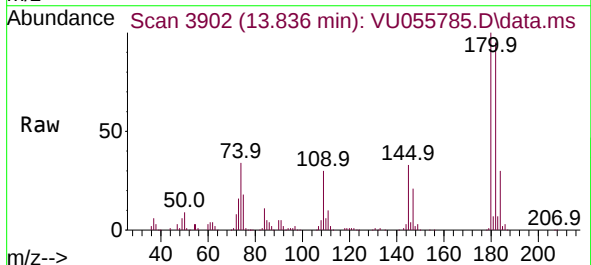
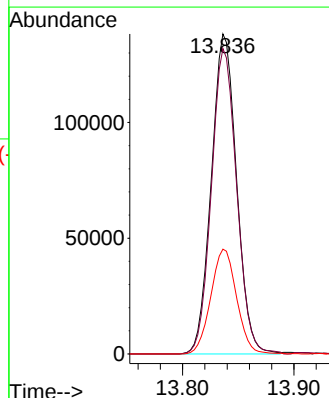
Tgt Ion:180 Resp: 217842

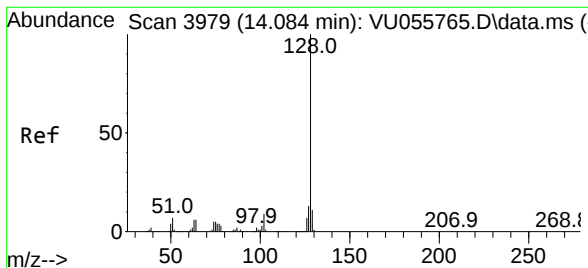
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 33.4 26.1 39.1





#71

Naphthalene

Concen: 45.658 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

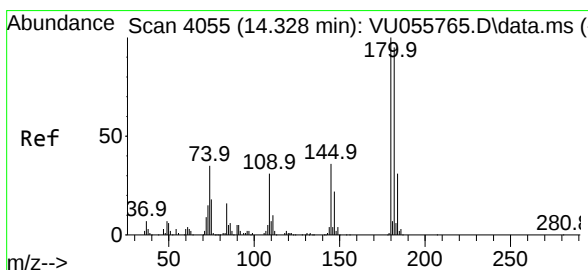
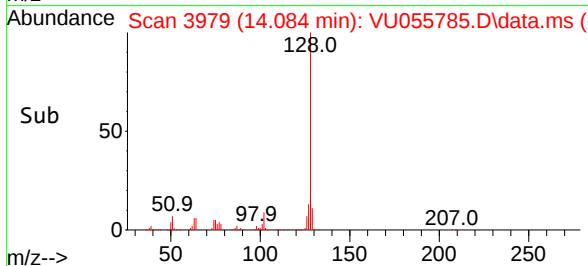
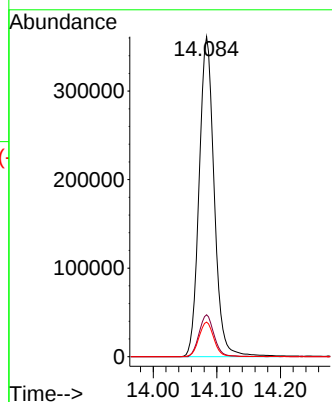
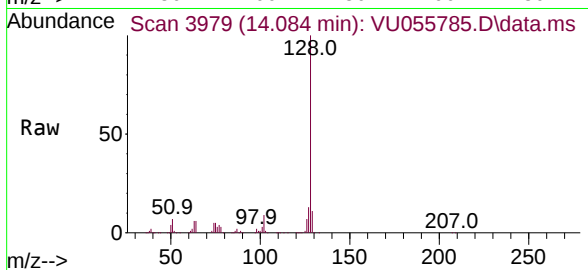
Tgt Ion:128 Resp: 594795

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.521 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055785.D

Acq: 17 Oct 2023 09:17

Tgt Ion:180 Resp: 218443

Ion Ratio Lower Upper

180 100

182 95.2 78.1 117.1

145 35.7 27.4 41.0

