

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055845.D
 Acq On : 20 Oct 2023 20:15
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 01:11:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	505303	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	512102	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	291348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	191013	42.144	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.280%		
7) Chloroethane-d5	1.888	69	164058	44.282	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.560%		
11) 1,1-Dichloroethene-d2	2.560	63	365926	45.280	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.560%		
21) 2-Butanone-d5	4.612	46	287678	85.659	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.660%		
24) Chloroform-d	5.055	84	400783	46.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
26) 1,2-Dichloroethane-d4	5.695	65	250797	46.894	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.780%		
32) Benzene-d6	5.721	84	776345	47.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.760%		
36) 1,2-Dichloropropane-d6	6.685	67	243001	46.847	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.700%		
41) Toluene-d8	7.894	98	709412	47.949	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.900%		
43) trans-1,3-Dichloroprop...	8.174	79	111483	44.741	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.480%		
47) 2-Hexanone-d5	8.631	63	164231	80.537	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.540%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	410639	51.431	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.860%		
66) 1,2-Dichlorobenzene-d4	12.190	152	297867	51.519	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	200778	47.721	ug/L	100
3) Chloromethane	1.518	50	207409	52.098	ug/L	99
5) Vinyl chloride	1.602	62	222997	50.898	ug/L	99
6) Bromomethane	1.830	94	83147	29.687	ug/L	95
8) Chloroethane	1.914	64	143341	49.878	ug/L	98
9) Trichlorofluoromethane	2.126	101	316765	50.604	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	192217	47.748	ug/L	98
12) 1,1-Dichloroethene	2.573	96	179268	50.043	ug/L	91
13) Acetone	2.618	43	206962	66.407	ug/L	99
14) Carbon disulfide	2.785	76	499686	45.836	ug/L	98
15) Methyl Acetate	2.940	43	217657	45.602	ug/L	97
16) Methylene chloride	3.036	84	212584	48.934	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	184456	50.355	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	646758	54.901	ug/L	98
19) 1,1-Dichloroethane	3.859	63	370374	49.304	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	217007	51.907	ug/L	98
22) 2-Butanone	4.692	43	318360	84.750	ug/L	98
23) Bromochloromethane	4.965	128	112244	51.841	ug/L	94
25) Chloroform	5.081	83	390056	49.705	ug/L	99

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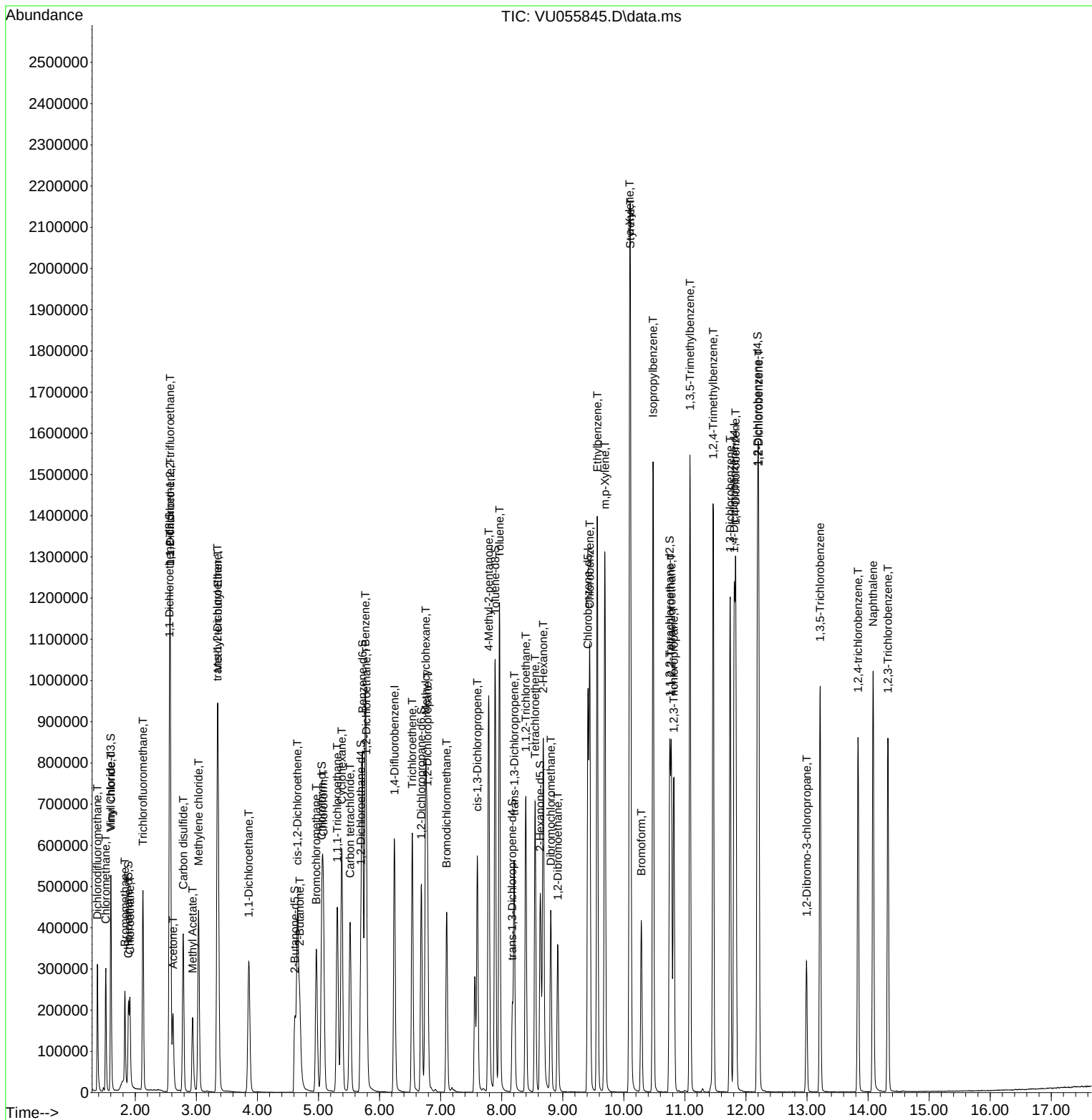
Instrument :
 MSVOA_U
 ClientSampleId :

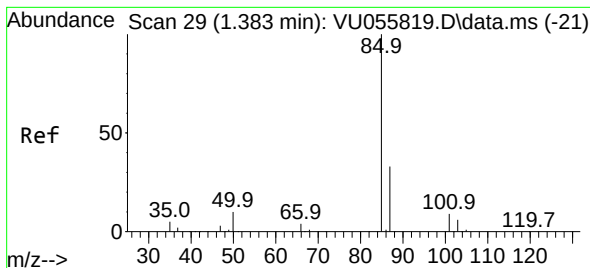
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	311233	49.588	ug/L	100
29) Cyclohexane	5.383	56	303545	51.713	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	336969	50.931	ug/L	98
31) Carbon tetrachloride	5.518	117	287996	49.730	ug/L	97
33) Benzene	5.769	78	821797	50.766	ug/L	100
34) Trichloroethene	6.537	95	218001	49.218	ug/L	99
35) Methylcyclohexane	6.759	83	310423	48.304	ug/L	99
37) 1,2-Dichloropropane	6.785	63	225060	50.489	ug/L	100
38) Bromodichloromethane	7.100	83	289831	49.305	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	331834	48.931	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	651119	104.997	ug/L	97
42) Toluene	7.965	91	879671	51.499	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	326091	50.255	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	221480	50.389	ug/L	99
46) Tetrachloroethene	8.550	164	153349	48.356	ug/L	96
48) 2-Hexanone	8.682	43	558222	106.571	ug/L	97
49) Dibromochloromethane	8.804	129	226117	50.348	ug/L	98
50) 1,2-Dibromoethane	8.920	107	239581	50.747	ug/L	99
51) Chlorobenzene	9.444	112	563376	50.977	ug/L	99
52) Ethylbenzene	9.566	91	984858	52.738	ug/L	99
53) m,p-Xylene	9.692	106	377554	53.965	ug/L	97
54) o-Xylene	10.097	106	381861	56.403	ug/L	98
55) Styrene	10.110	104	663585	57.859	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	407079	54.088	ug/L	100
59) Bromoform	10.287	173	185030	51.590	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	332416	52.572	ug/L	99
61) Isopropylbenzene	10.479	105	1000627	55.092	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	840717	57.204	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	801968	55.184	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	475608	52.971	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	478179	51.800	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	482420	54.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	84727	44.820	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	296062	49.434	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	250222	50.159	ug/L	99
71) Naphthalene	14.084	128	841345	56.776	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	259433	52.747	ug/L	97

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

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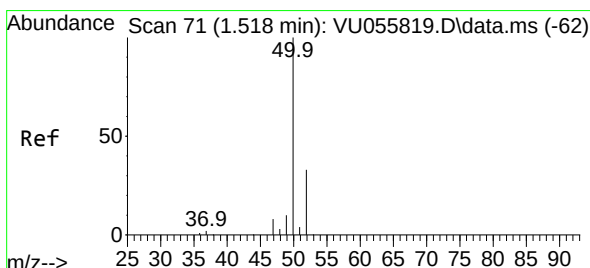
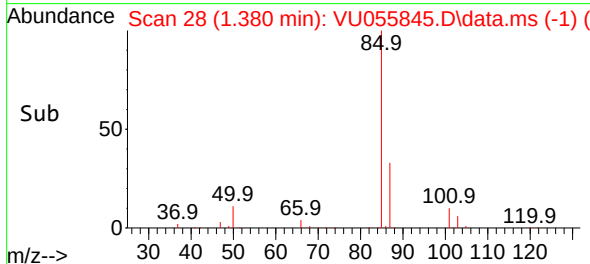
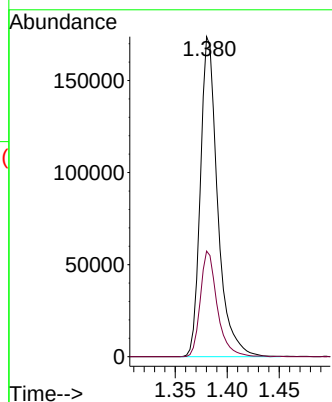
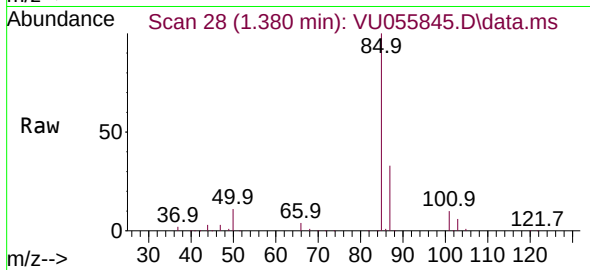




#2
 Dichlorodifluoromethane
 Concen: 47.721 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15

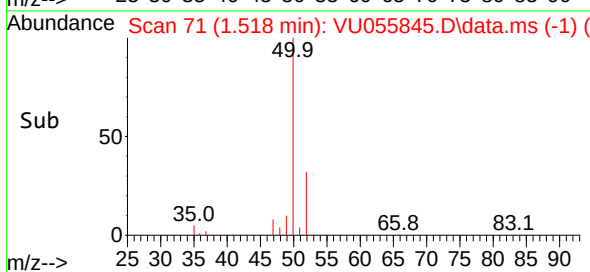
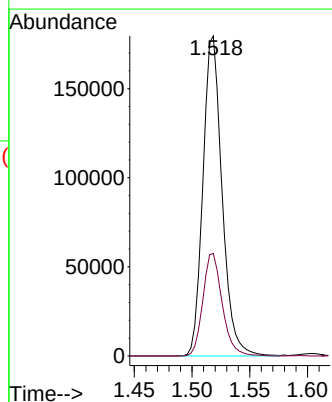
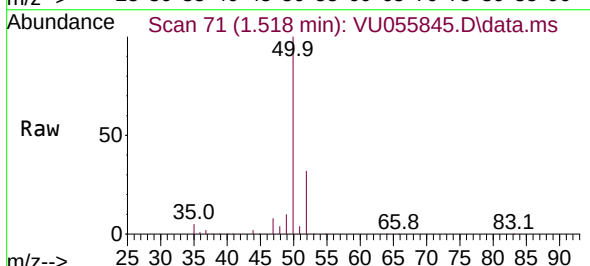
Instrument :
 MSVOA_U
 ClientSampleId :

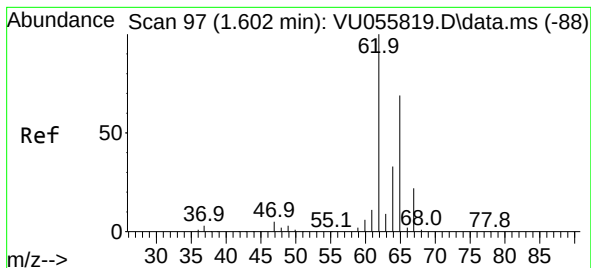
Tgt Ion: 85 Resp: 200778
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 52.098 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15

Tgt Ion: 50 Resp: 207409
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.8 42.4





#5

Vinyl chloride

Concen: 50.898 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

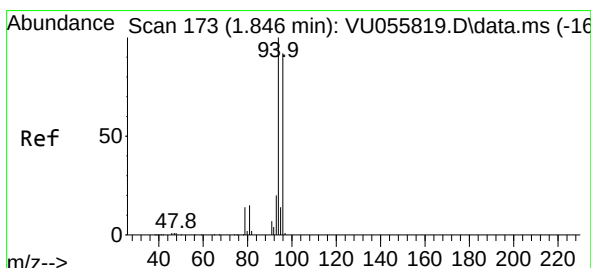
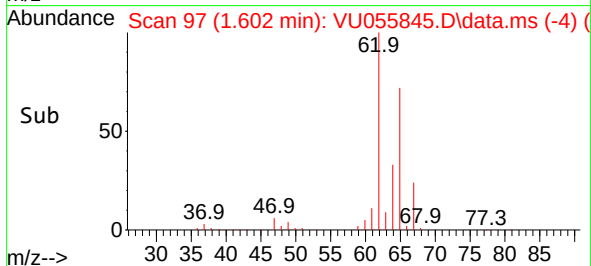
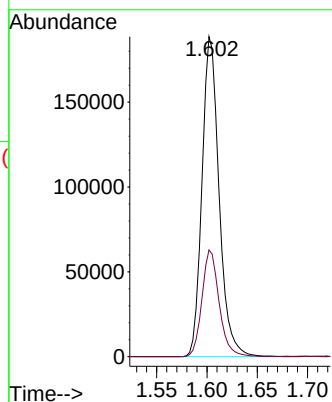
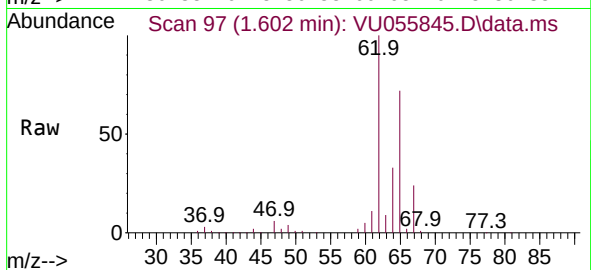
ClientSampleId :

Tgt Ion: 62 Resp: 222997

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.5



#6

Bromomethane

Concen: 29.687 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.016 min

Lab File: VU055845.D

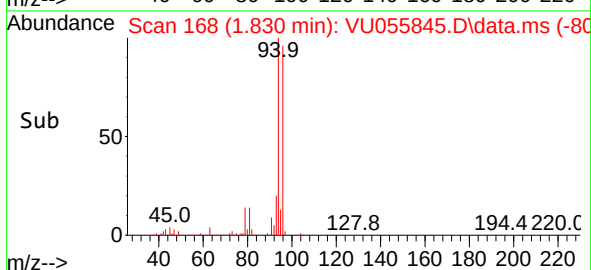
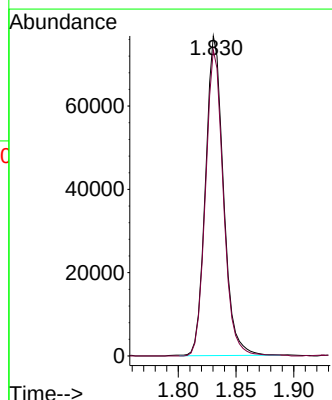
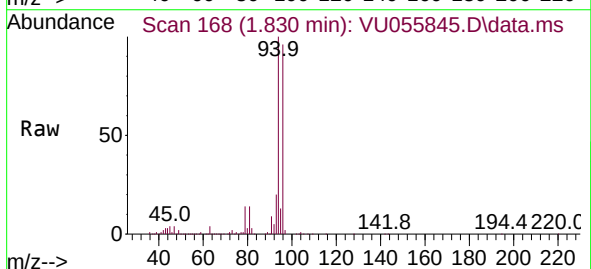
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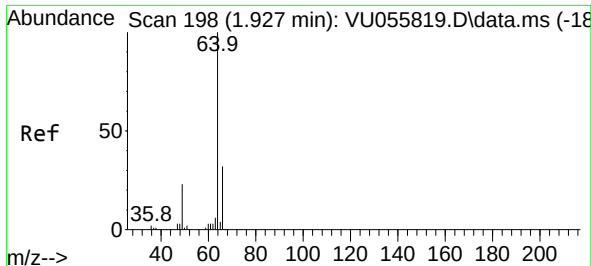
Tgt Ion: 94 Resp: 83147

Ion Ratio Lower Upper

94 100

96 95.6 63.5 117.9





#8

Chloroethane

Concen: 49.878 ug/L

RT: 1.914 min Scan# 19

Delta R.T. -0.013 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

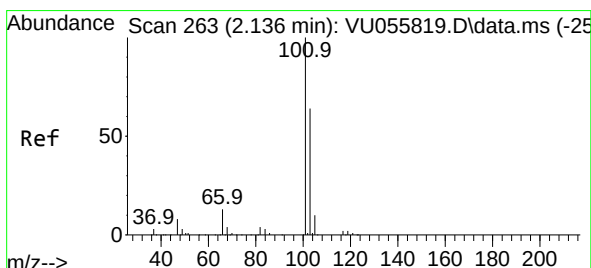
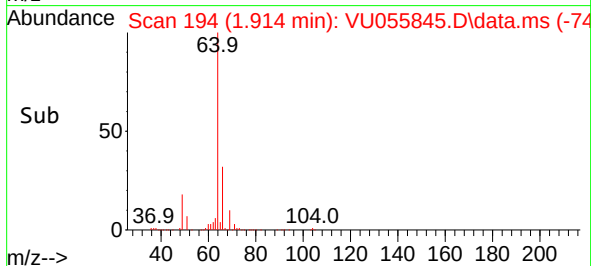
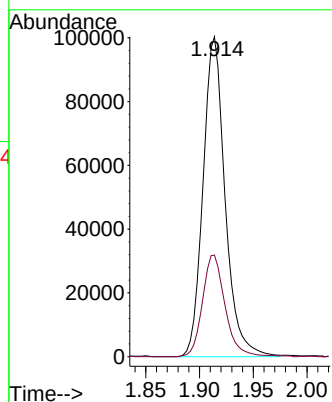
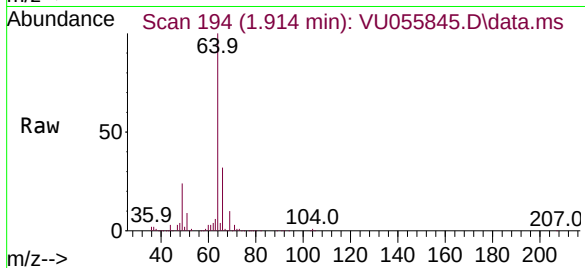
ClientSampleId :

Tgt Ion: 64 Resp: 143341

Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 50.604 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.010 min

Lab File: VU055845.D

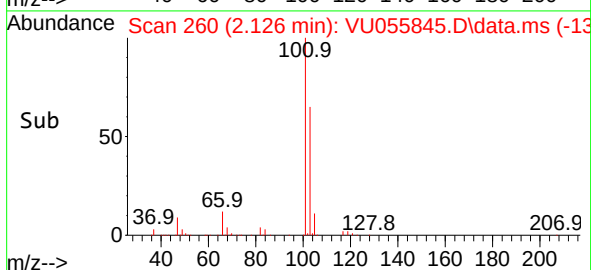
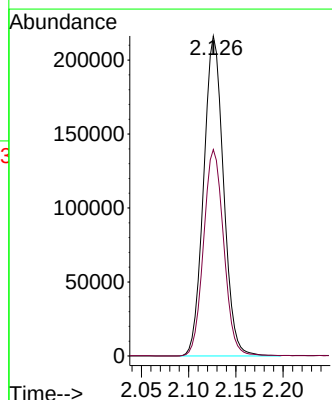
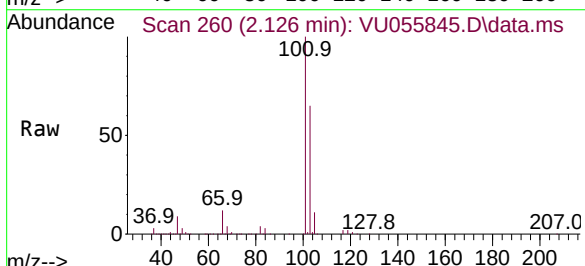
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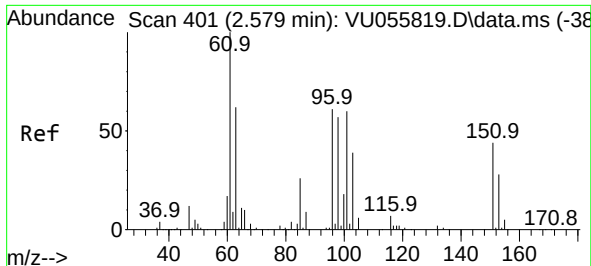
Tgt Ion:101 Resp: 316765

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9

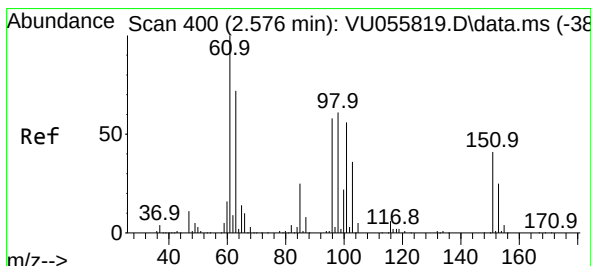
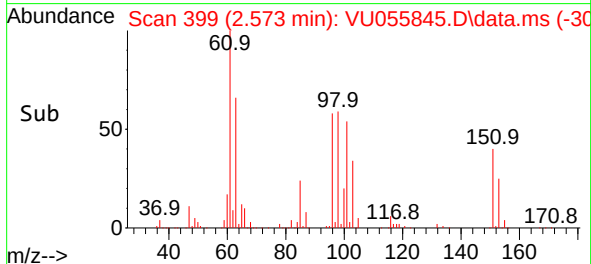
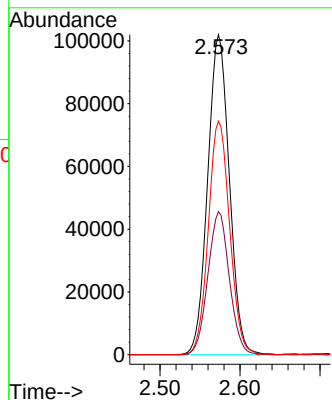
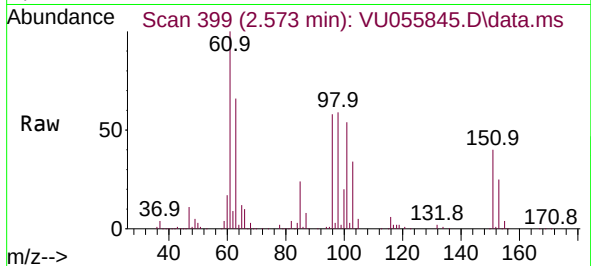




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.748 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

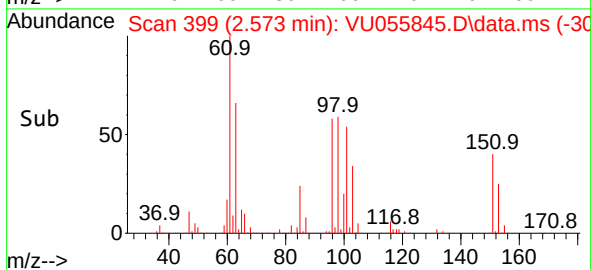
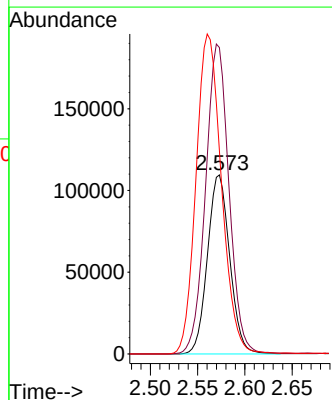
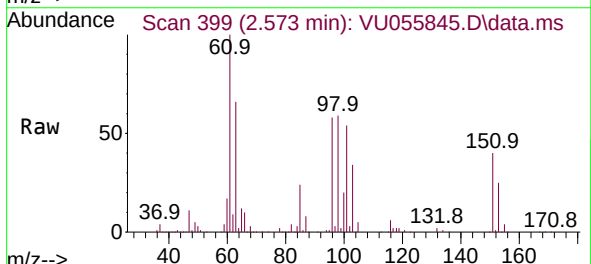
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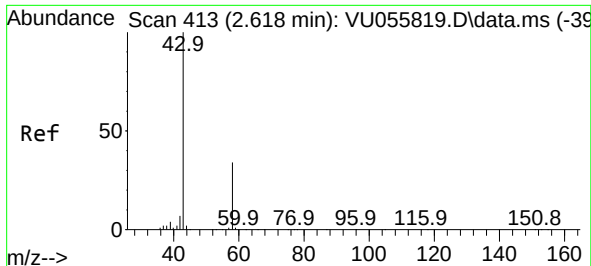
Tgt Ion:101 Resp: 192217
Ion Ratio Lower Upper
101 100
85 44.3 37.1 55.7
151 71.7 58.2 87.4



#12
1,1-Dichloroethene
Concen: 50.043 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 96 Resp: 179268
Ion Ratio Lower Upper
96 100
61 171.1 122.0 226.6
63 113.5 93.7 174.1





#13

Acetone

Concen: 66.407 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

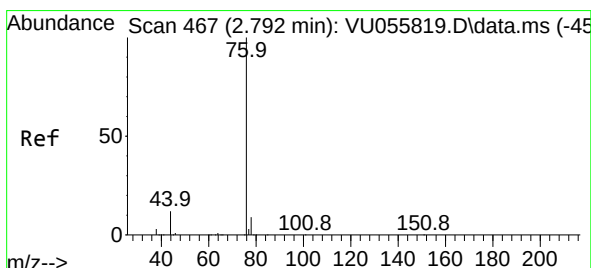
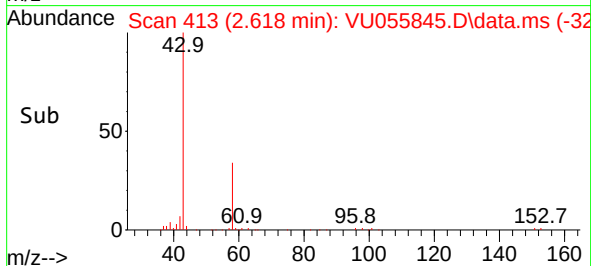
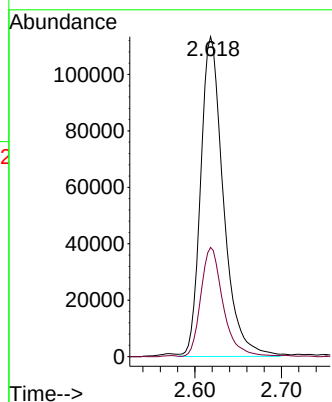
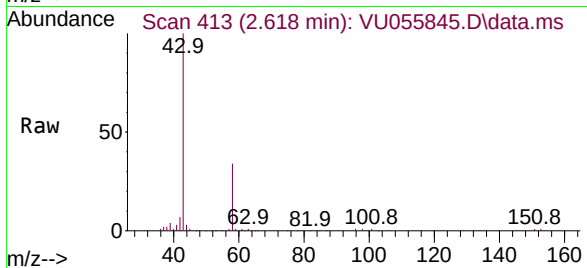
ClientSampleId :

Tgt Ion: 43 Resp: 206962

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.4



#14

Carbon disulfide

Concen: 45.836 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.006 min

Lab File: VU055845.D

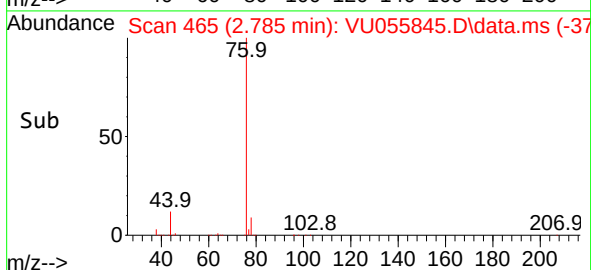
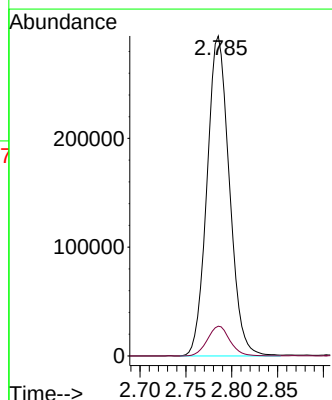
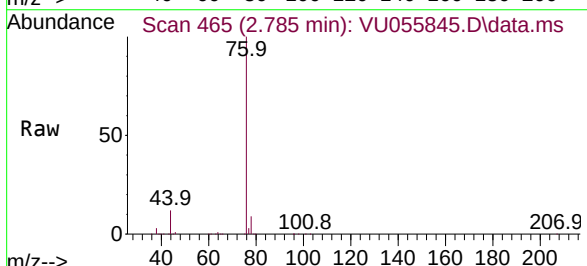
Acq: 20 Oct 2023 20:15

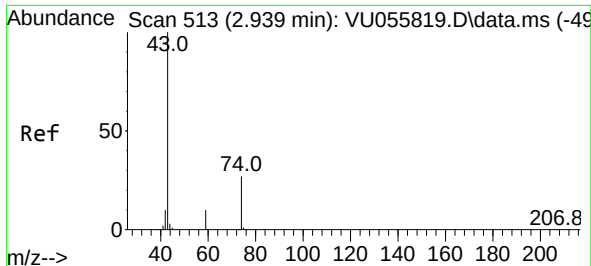
Tgt Ion: 76 Resp: 499686

Ion Ratio Lower Upper

76 100

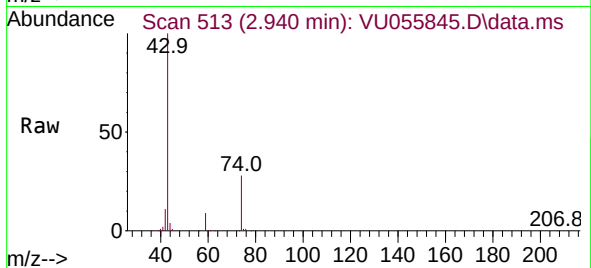
78 9.3 6.8 10.2



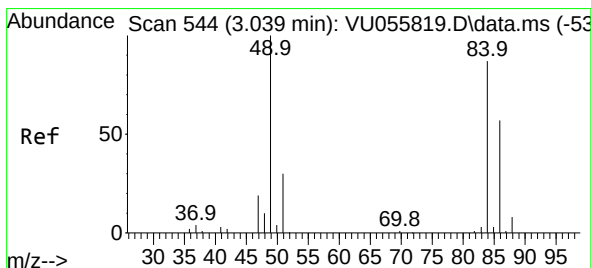
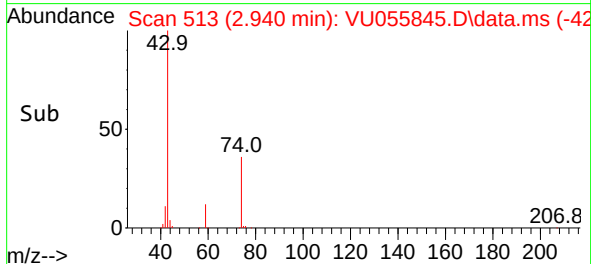
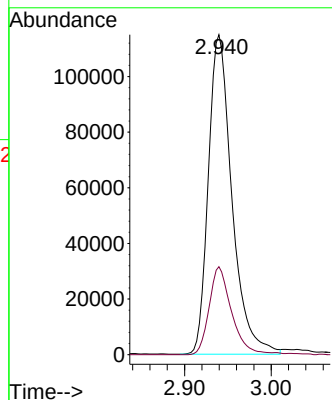


#15
Methyl Acetate
Concen: 45.602 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Instrument :
MSVOA_U
ClientSampleId :

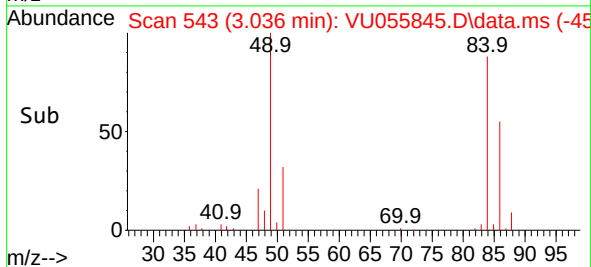
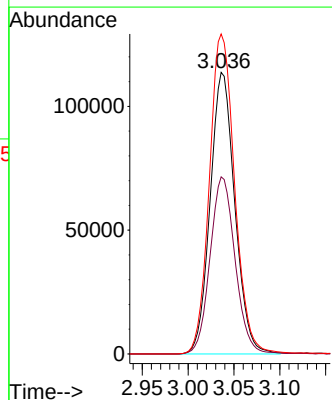
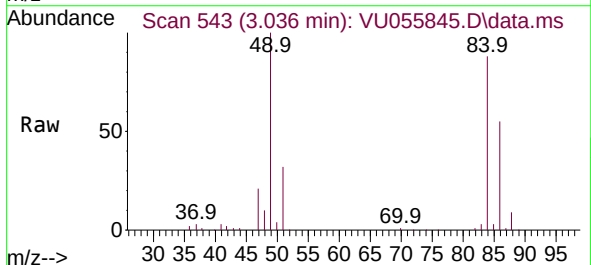


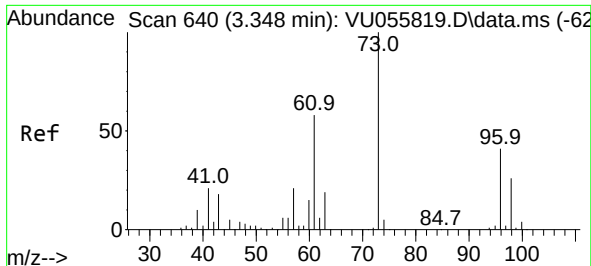
Tgt Ion: 43 Resp: 217657
Ion Ratio Lower Upper
43 100
74 26.0 19.5 29.3



#16
Methylene chloride
Concen: 48.934 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 84 Resp: 212584
Ion Ratio Lower Upper
84 100
86 62.9 46.3 86.1
49 113.6 84.8 157.6





#17

trans-1,2-Dichloroethene

Concen: 50.355 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

ClientSampleId :

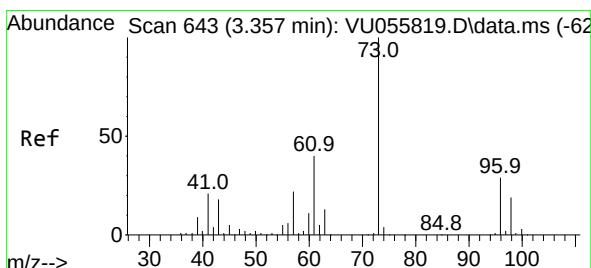
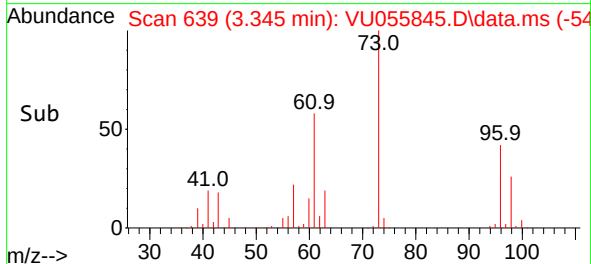
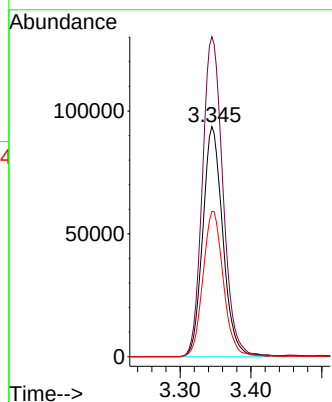
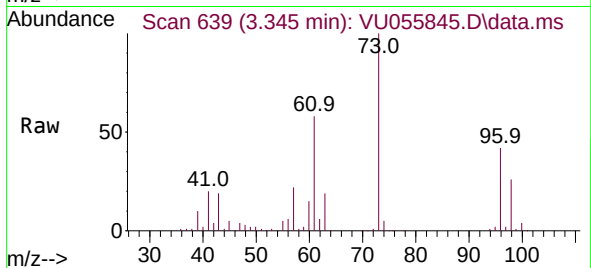
Tgt Ion: 96 Resp: 184456

Ion Ratio Lower Upper

96 100

61 139.1 102.1 189.7

98 63.1 46.3 86.1



#18

Methyl tert-butyl Ether

Concen: 54.901 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

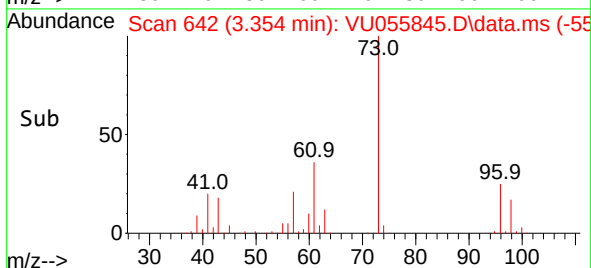
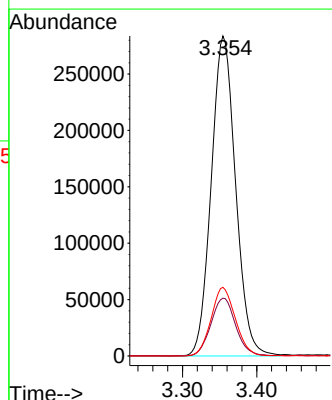
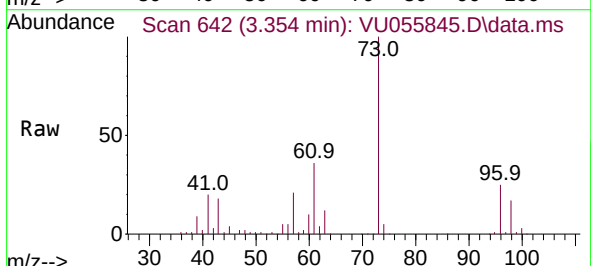
Tgt Ion: 73 Resp: 646758

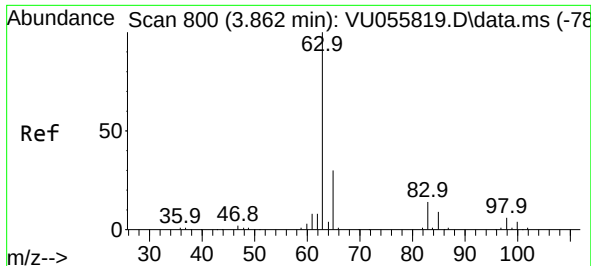
Ion Ratio Lower Upper

73 100

43 18.2 15.4 23.2

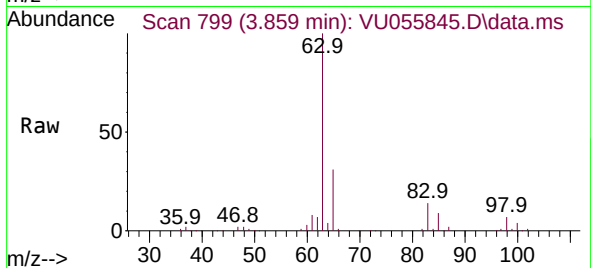
57 21.3 17.7 26.5



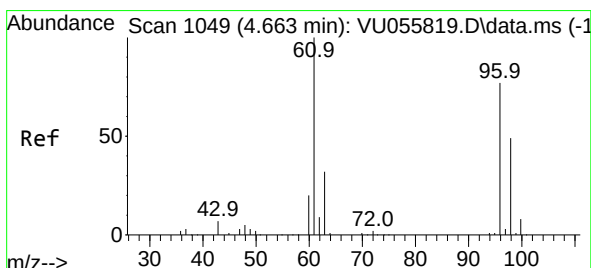
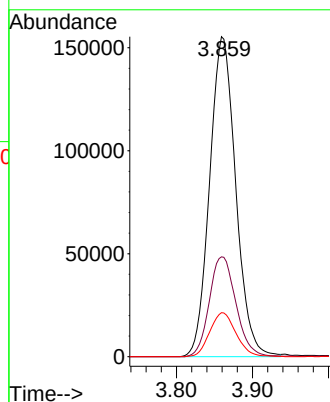
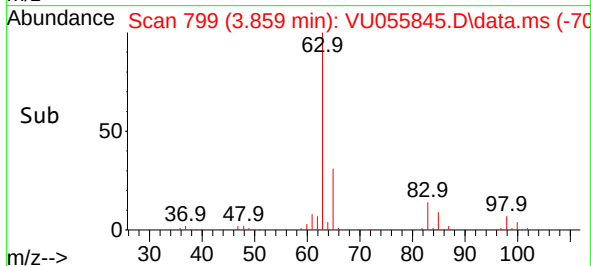


#19
1,1-Dichloroethane
Concen: 49.304 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

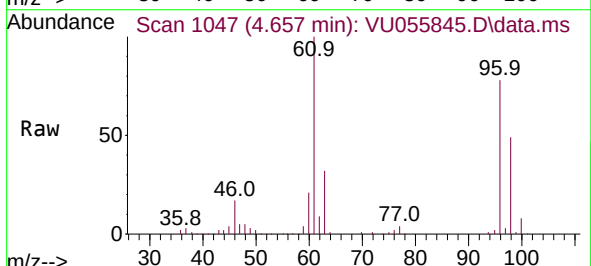
Instrument :
MSVOA_U
ClientSampleId :



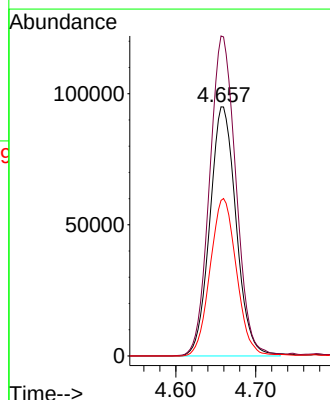
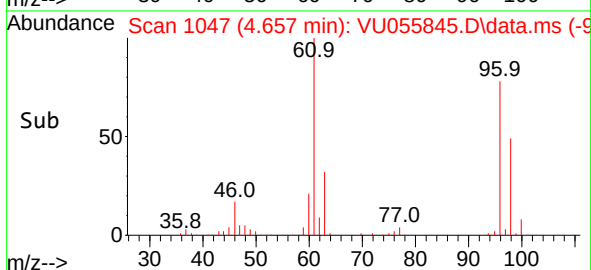
Tgt Ion: 63 Resp: 370374
Ion Ratio Lower Upper
63 100
65 31.2 22.3 41.5
83 13.7 9.5 17.7

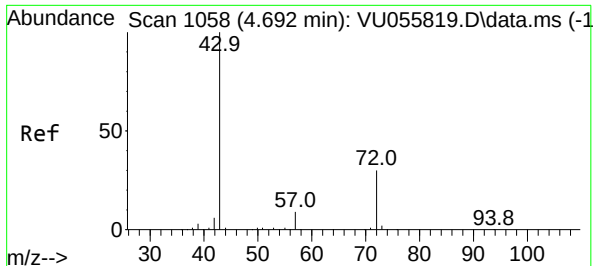


#20
cis-1,2-Dichloroethene
Concen: 51.907 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.006 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15



Tgt Ion: 96 Resp: 217007
Ion Ratio Lower Upper
96 100
61 128.4 92.3 171.5
98 62.4 43.9 81.5





#22

2-Butanone

Concen: 84.750 ug/L

RT: 4.692 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

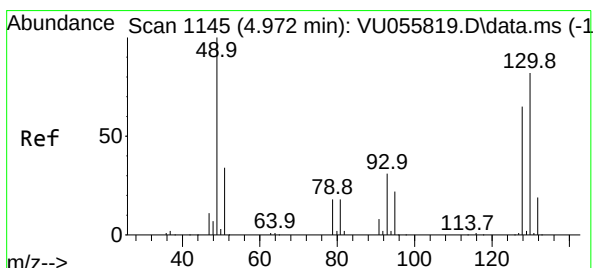
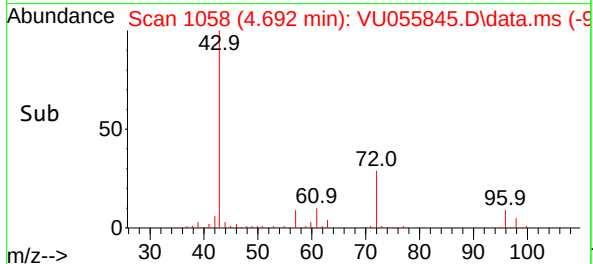
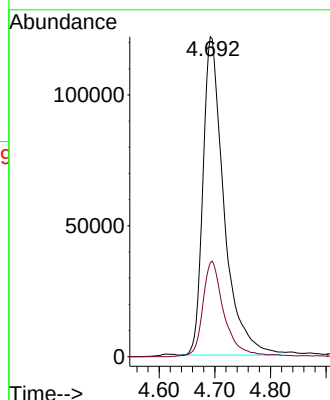
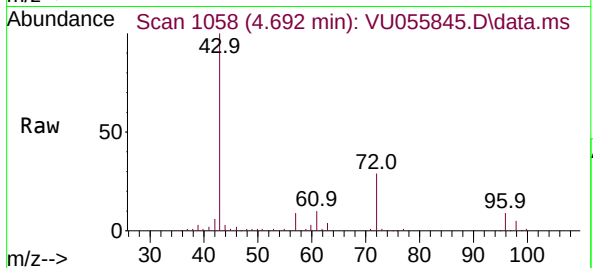
ClientSampleId :

Tgt Ion: 43 Resp: 318360

Ion Ratio Lower Upper

43 100

72 30.4 14.6 44.0



#23

Bromochloromethane

Concen: 51.841 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Tgt Ion:128 Resp: 112244

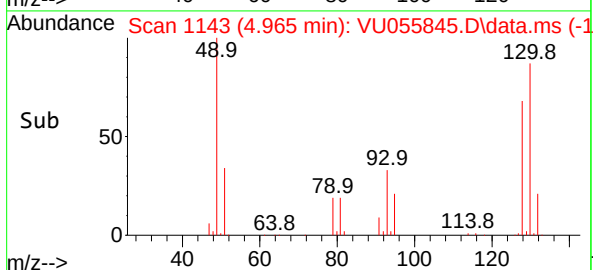
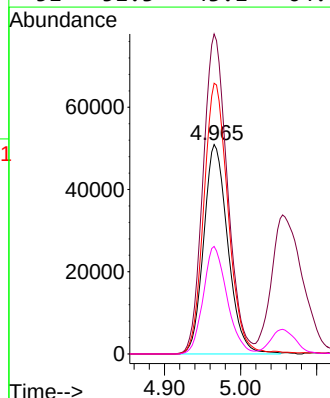
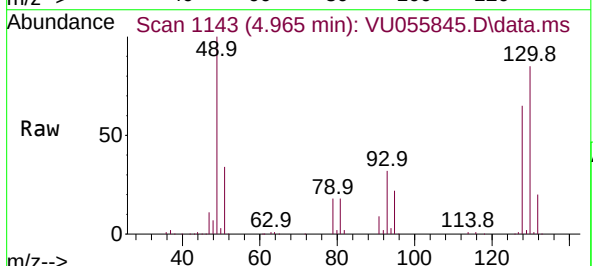
Ion Ratio Lower Upper

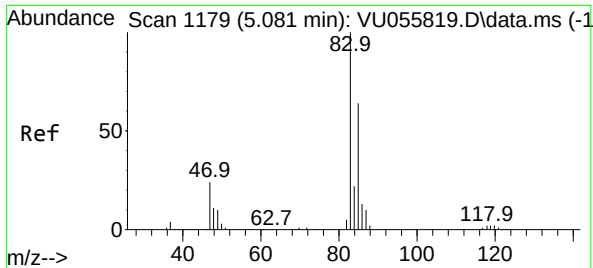
128 100

49 152.7 116.3 216.1

130 129.2 91.6 170.0

51 51.3 43.1 64.7

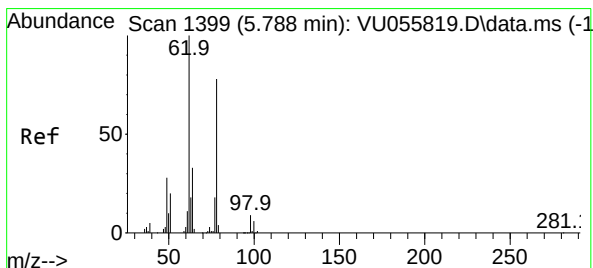
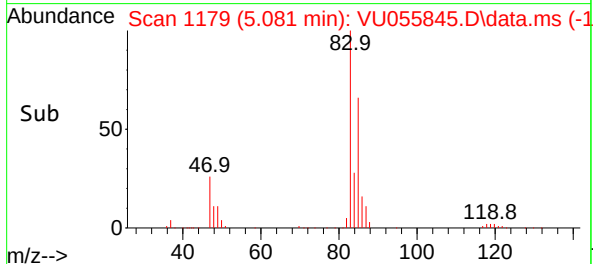
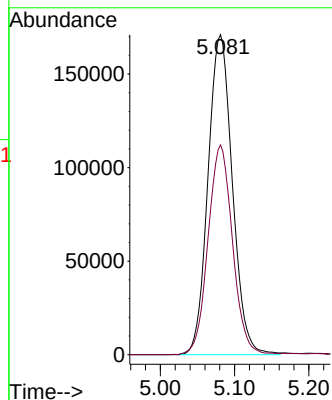
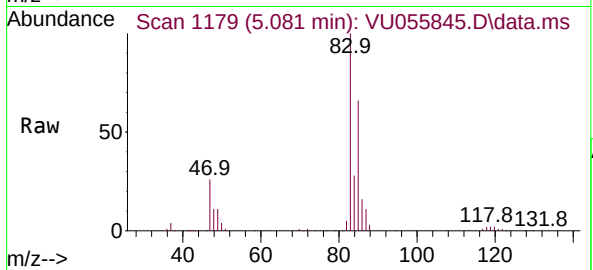




#25
Chloroform
Concen: 49.705 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

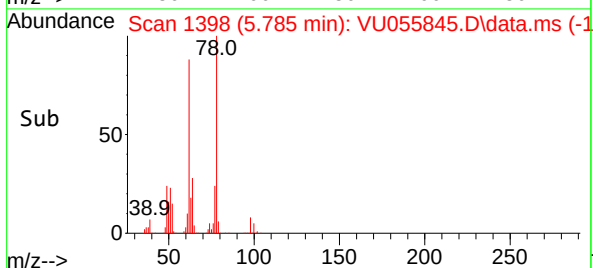
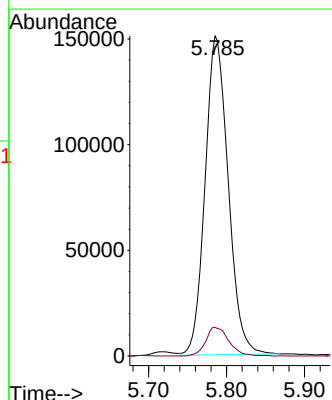
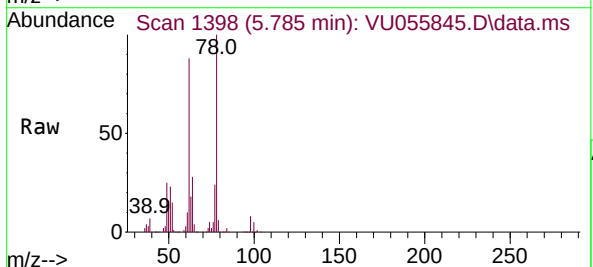
Instrument :
MSVOA_U
ClientSampleId :

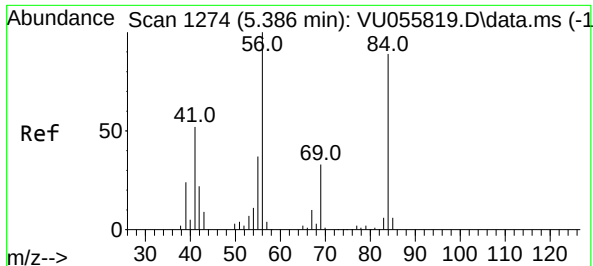
Tgt Ion: 83 Resp: 390056
Ion Ratio Lower Upper
83 100
85 65.5 46.3 86.1



#27
1,2-Dichloroethane
Concen: 49.588 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 62 Resp: 311233
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 51.713 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

ClientSampleId :

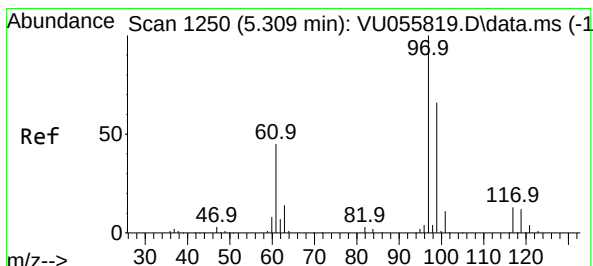
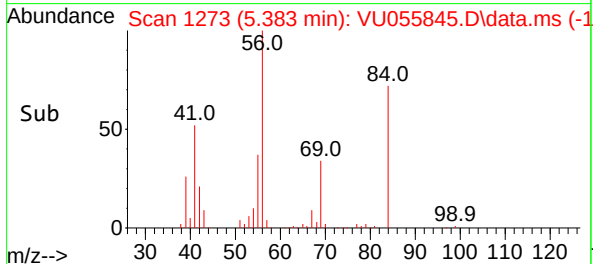
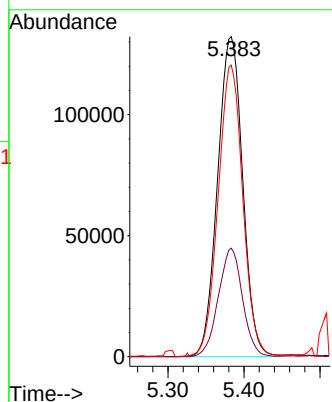
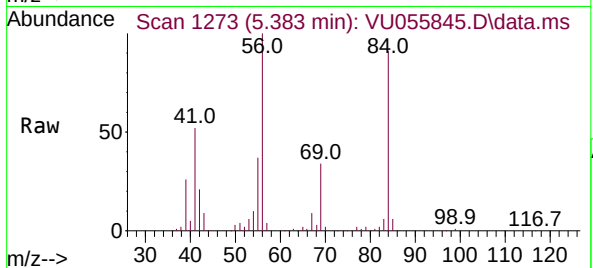
Tgt Ion: 56 Resp: 303545

Ion Ratio Lower Upper

56 100

69 32.6 24.9 37.3

84 89.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 50.931 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

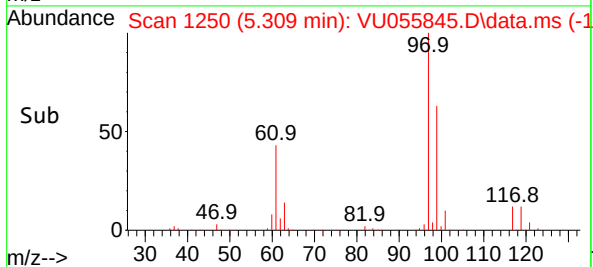
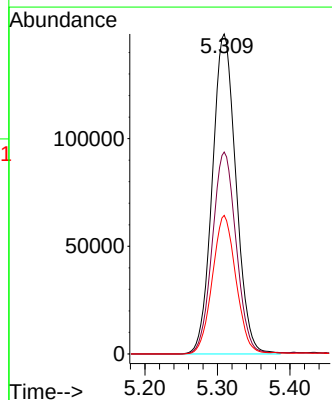
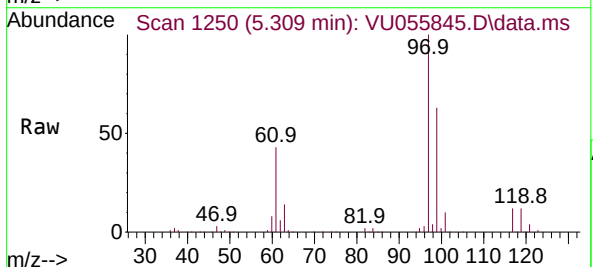
Tgt Ion: 97 Resp: 336969

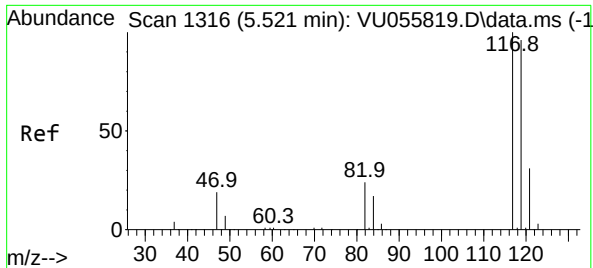
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 43.2 36.8 55.2

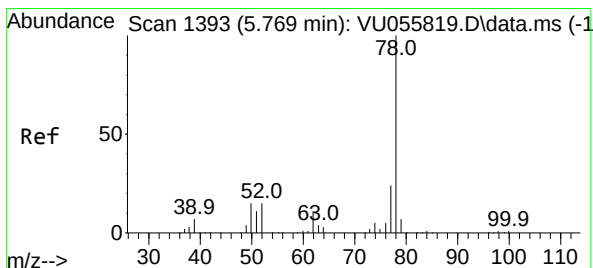
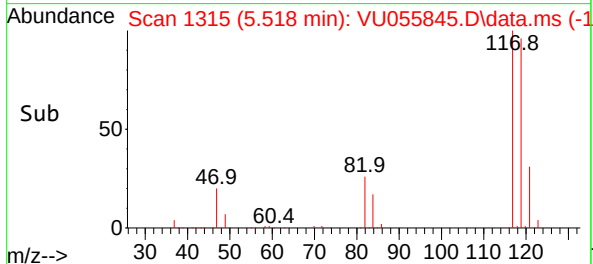
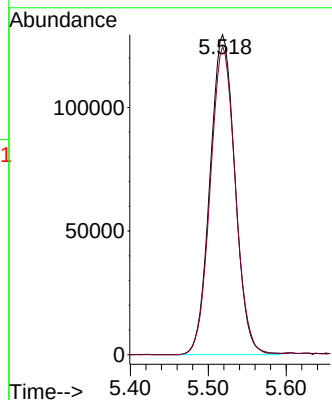
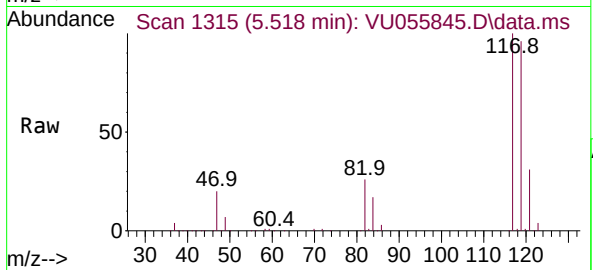




#31
Carbon tetrachloride
Concen: 49.730 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

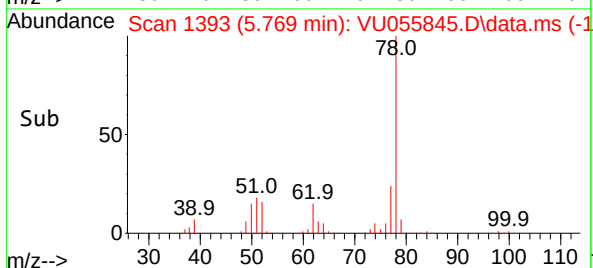
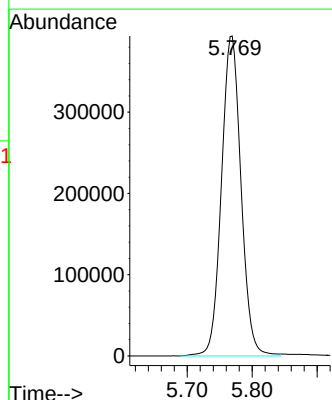
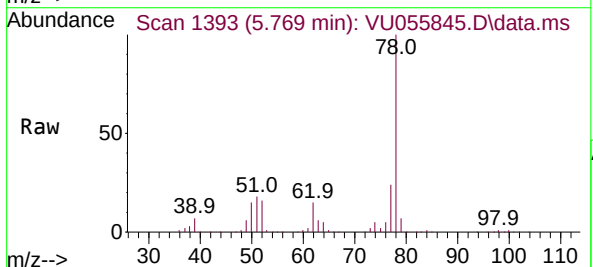
Instrument :
MSVOA_U
ClientSampleId :

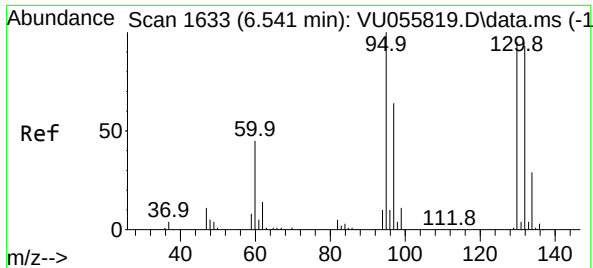
Tgt Ion:117 Resp: 287996
Ion Ratio Lower Upper
117 100
119 96.6 75.4 113.0



#33
Benzene
Concen: 50.766 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 78 Resp: 821797

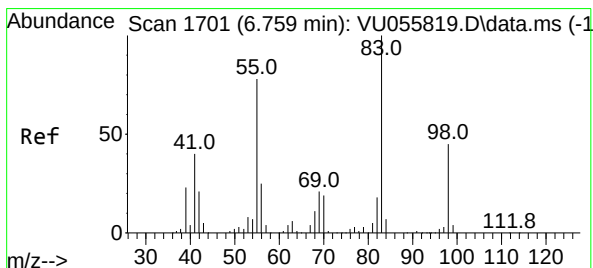
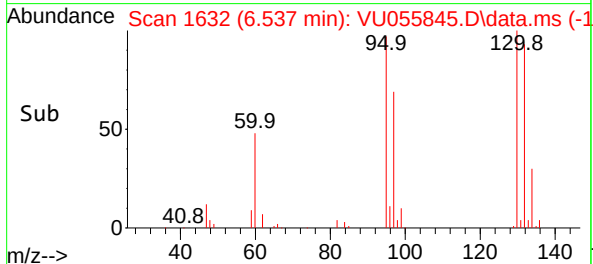
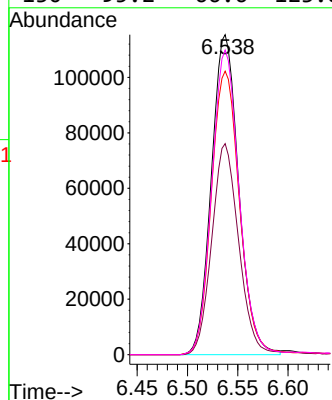
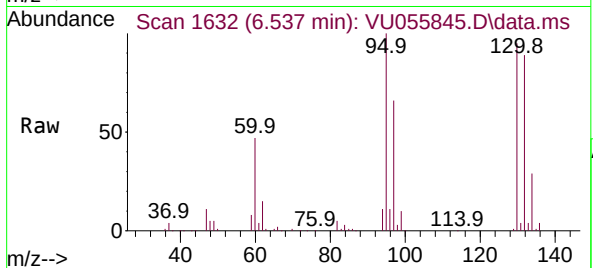




#34
Trichloroethene
Concen: 49.218 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

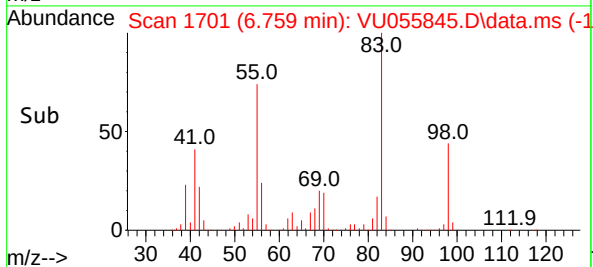
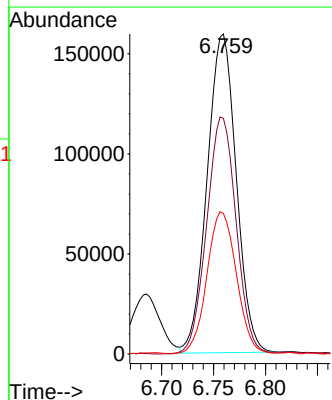
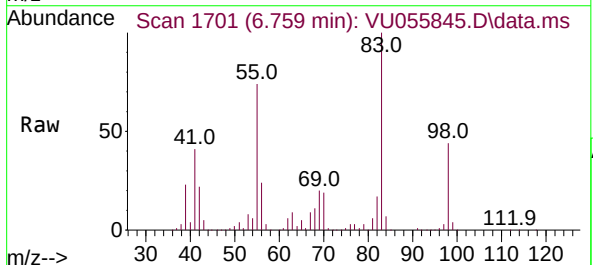
Instrument :
MSVOA_U
ClientSampleId :

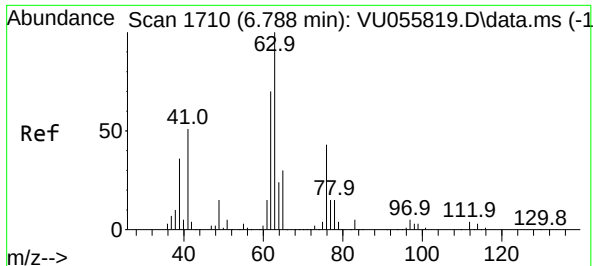
Tgt Ion: 95 Resp: 218001
Ion Ratio Lower Upper
95 100
97 65.9 44.4 82.5
132 88.6 61.8 114.8
130 95.2 66.6 123.8



#35
Methylcyclohexane
Concen: 48.304 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 83 Resp: 310423
Ion Ratio Lower Upper
83 100
55 75.3 61.2 91.8
98 45.3 35.8 53.6





#37

1,2-Dichloropropane

Concen: 50.489 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

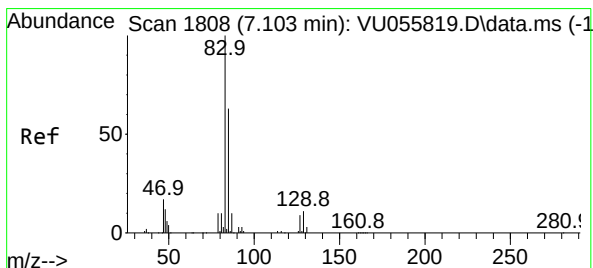
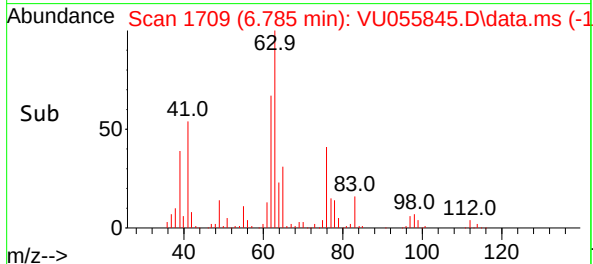
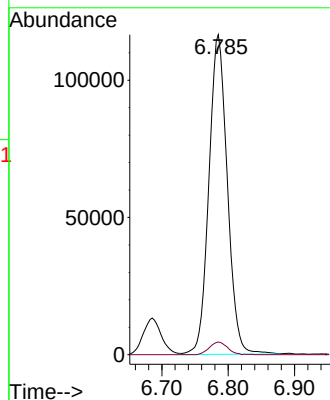
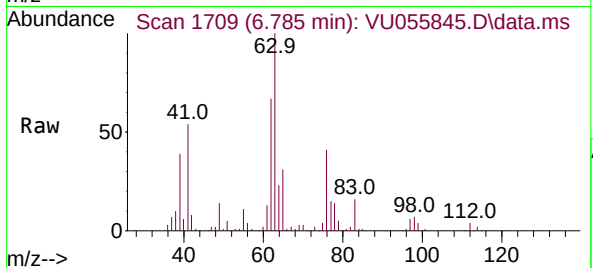
ClientSampleId :

Tgt Ion: 63 Resp: 225060

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 49.305 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

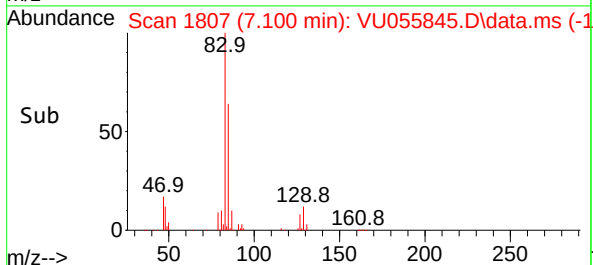
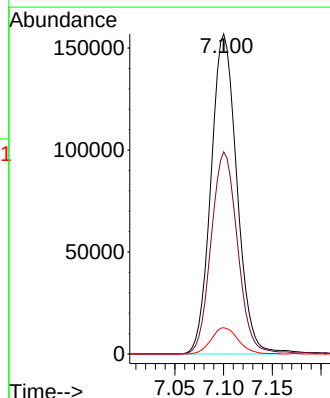
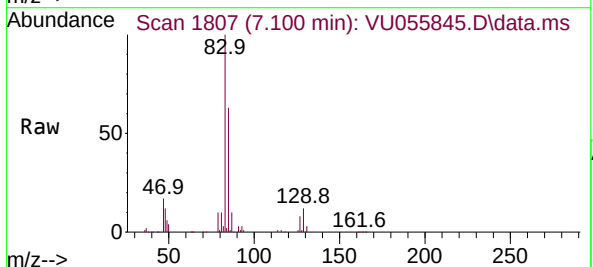
Tgt Ion: 83 Resp: 289831

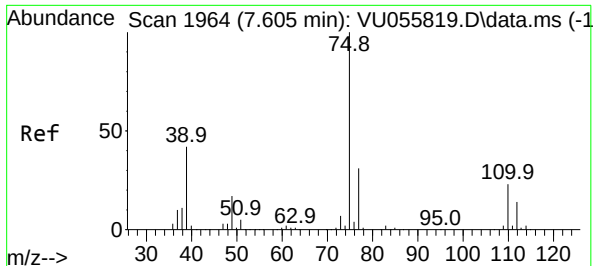
Ion Ratio Lower Upper

83 100

85 63.1 46.0 85.4

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.931 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

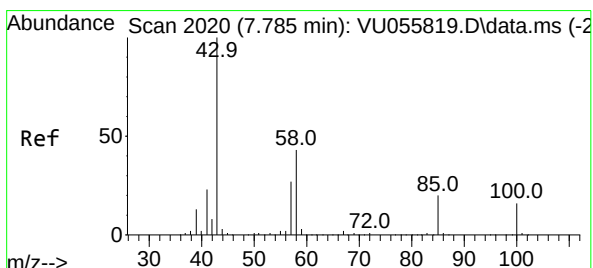
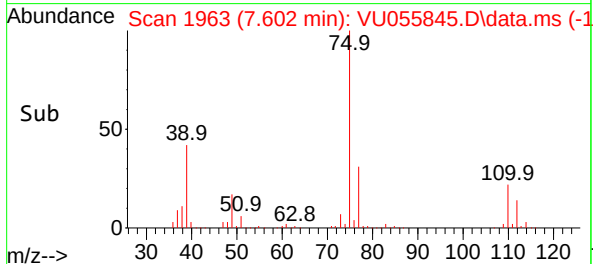
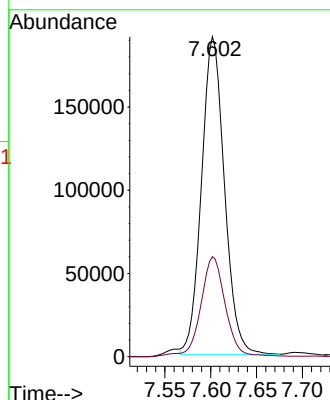
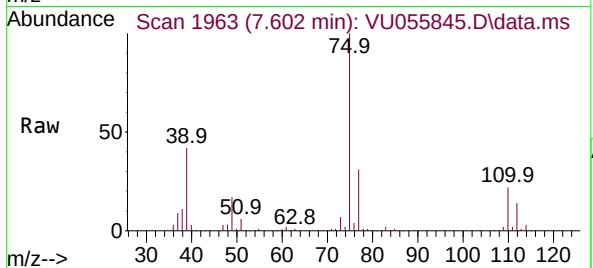
ClientSampleId :

Tgt Ion: 75 Resp: 331834

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 104.997 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

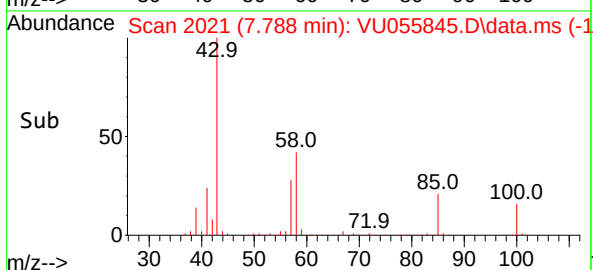
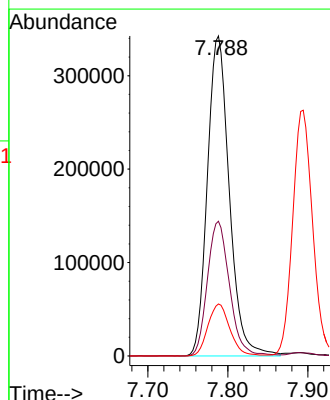
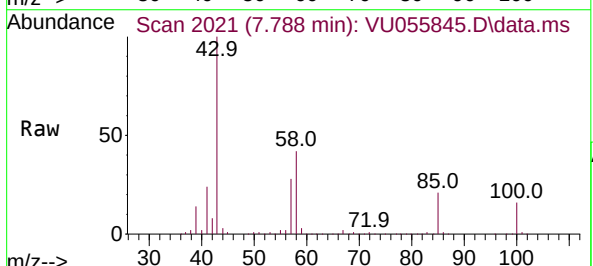
Tgt Ion: 43 Resp: 651119

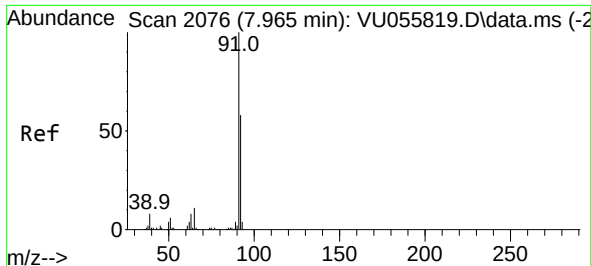
Ion Ratio Lower Upper

43 100

58 42.2 32.3 48.5

100 16.3 12.0 18.0





#42

Toluene

Concen: 51.499 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

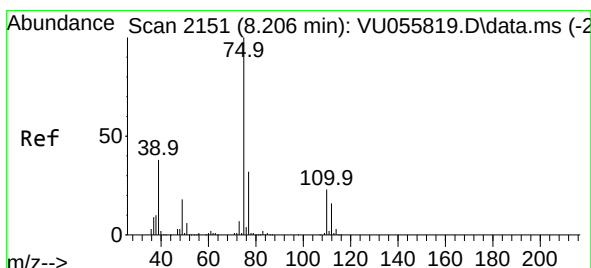
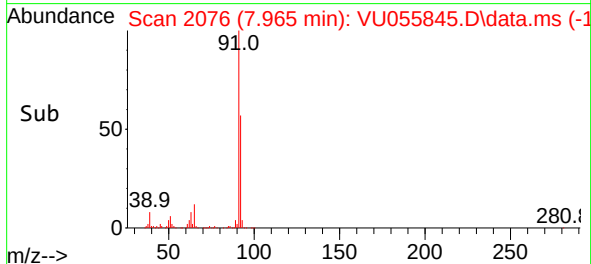
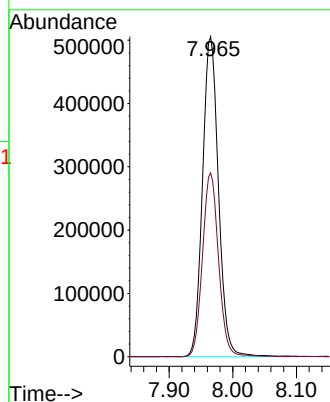
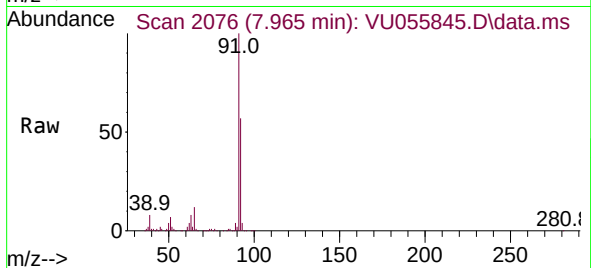
ClientSampleId :

Tgt Ion: 91 Resp: 879671

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 50.255 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055845.D

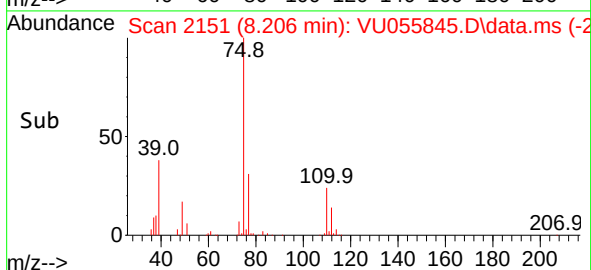
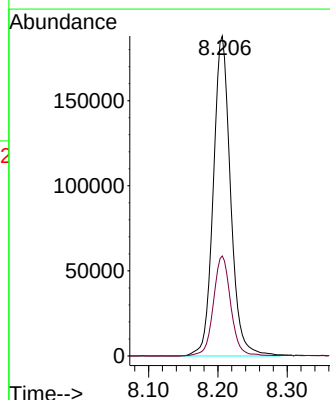
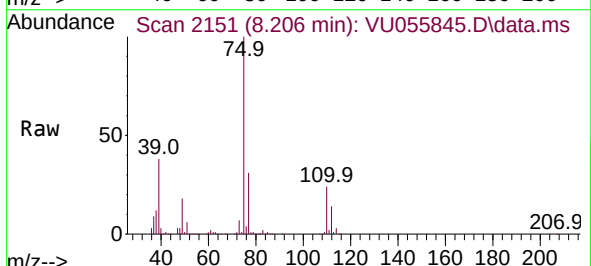
Acq: 20 Oct 2023 20:15

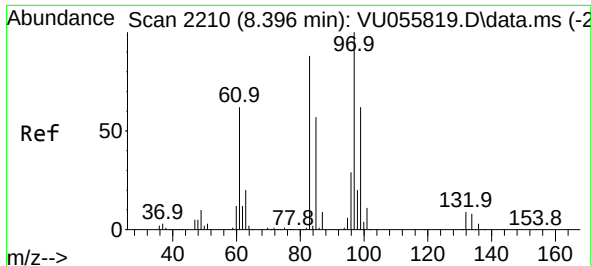
Tgt Ion: 75 Resp: 326091

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 50.389 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 221480

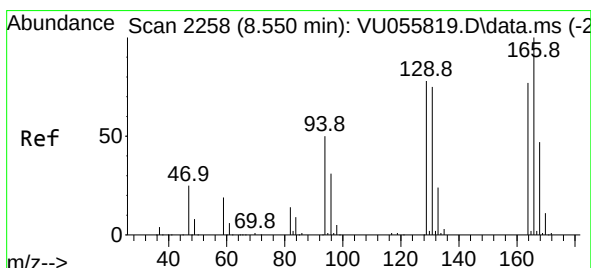
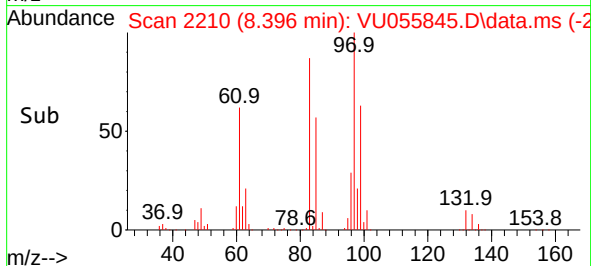
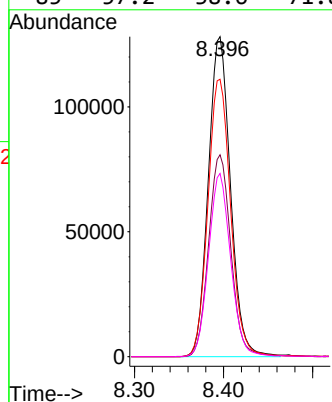
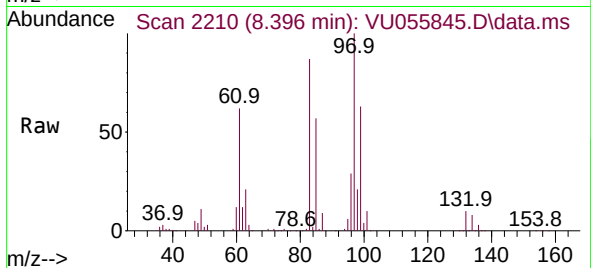
Ion Ratio Lower Upper

97 100

99 63.1 44.4 82.5

83 86.7 60.4 112.2

85 57.2 38.6 71.8



#46

Tetrachloroethene

Concen: 48.356 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Tgt Ion:164 Resp: 153349

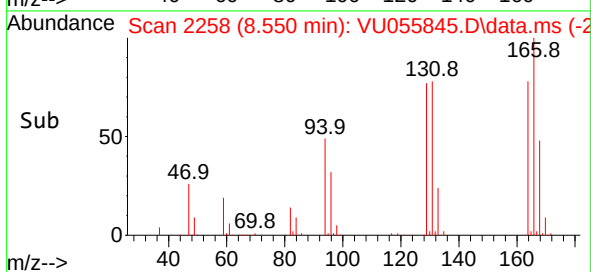
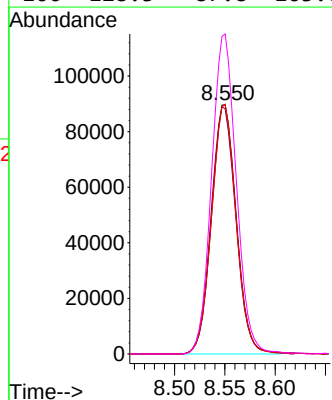
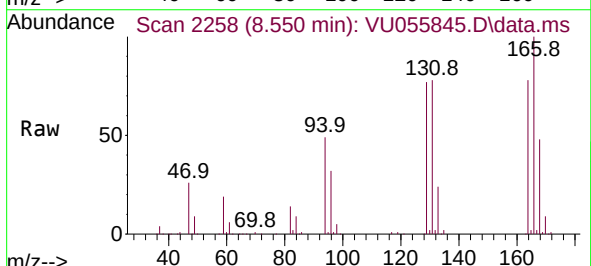
Ion Ratio Lower Upper

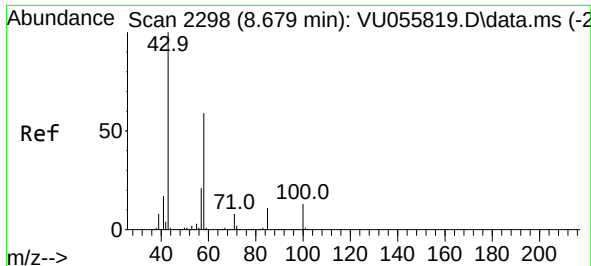
164 100

129 98.3 70.7 131.3

131 100.2 65.9 122.5

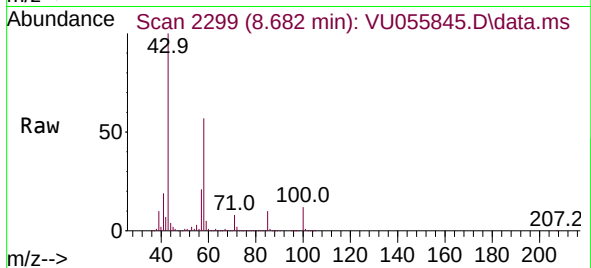
166 128.3 87.8 163.0





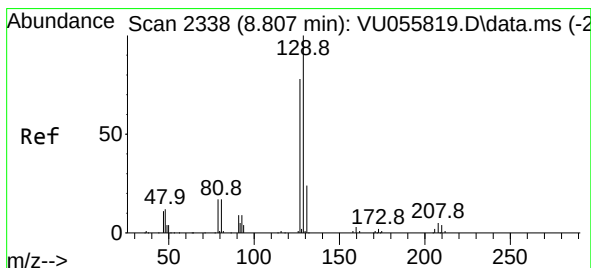
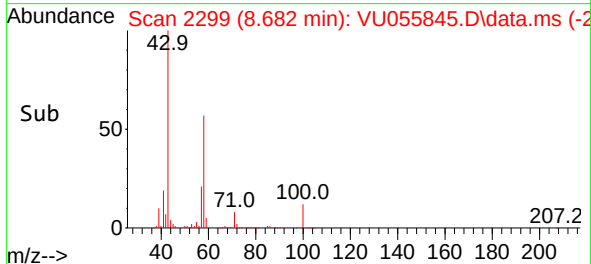
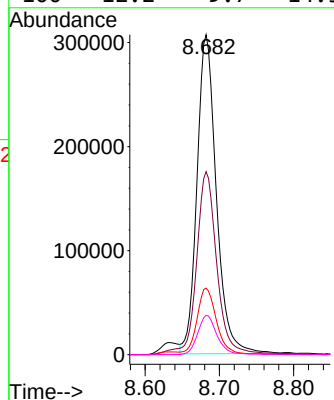
#48
2-Hexanone
Concen: 106.571 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 558222

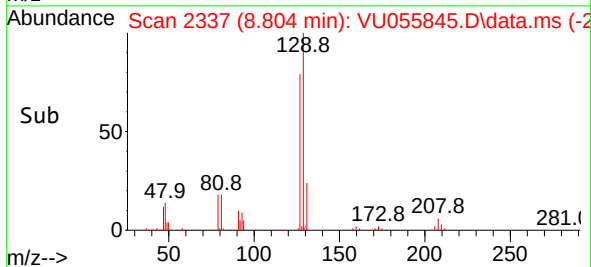
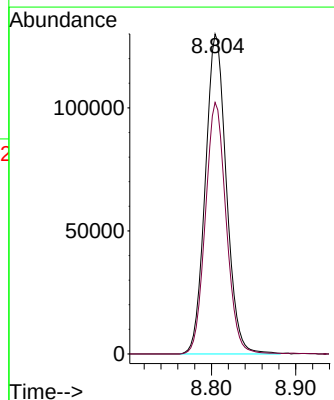
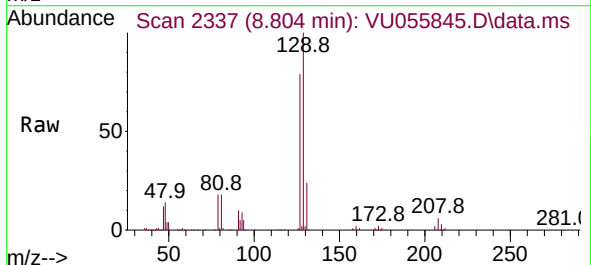
Ion	Ratio	Lower	Upper
43	100		
58	60.3	45.2	67.8
57	20.4	16.1	24.1
100	12.2	9.7	14.5

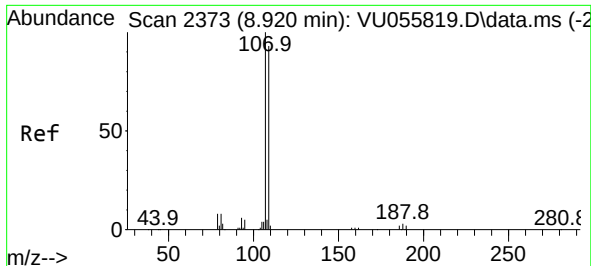


#49
Dibromochloromethane
Concen: 50.348 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 129 Resp: 226117

Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.0	100.4





#50

1,2-Dibromoethane

Concen: 50.747 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

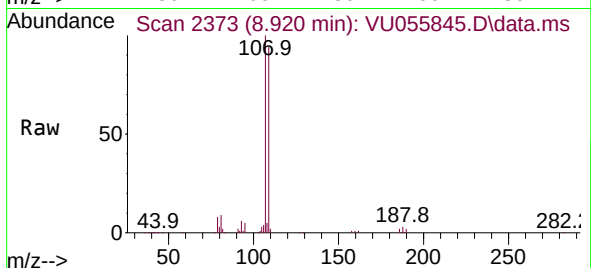
Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

ClientSampleId :



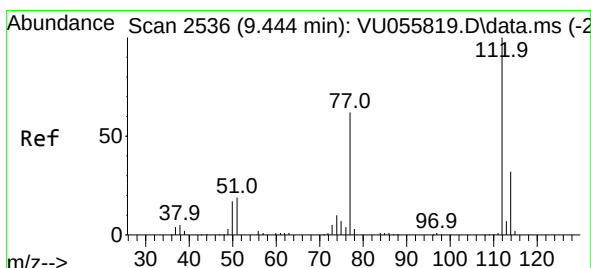
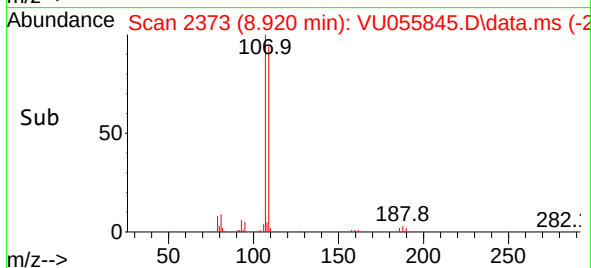
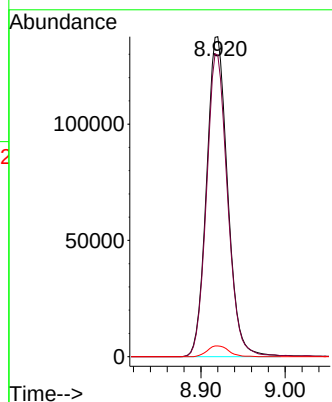
Tgt Ion:107 Resp: 239581

Ion Ratio Lower Upper

107 100

109 94.3 66.7 123.9

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 50.977 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

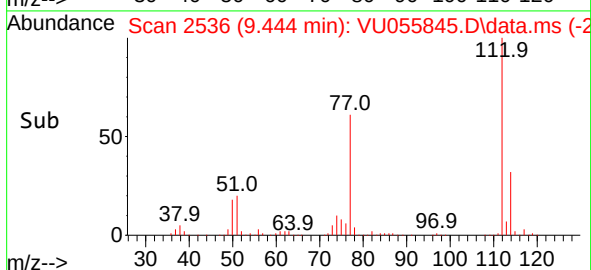
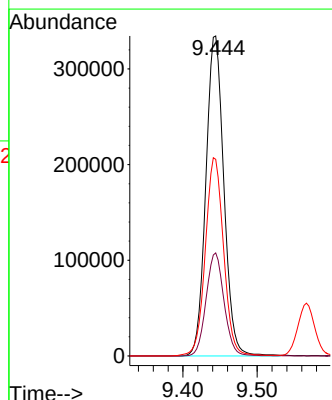
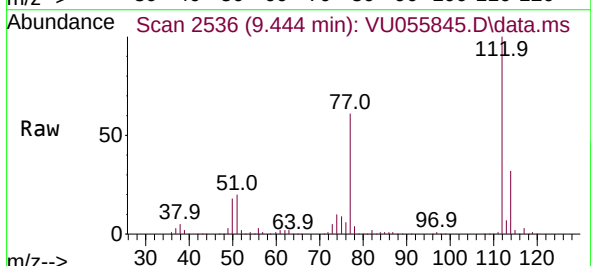
Tgt Ion:112 Resp: 563376

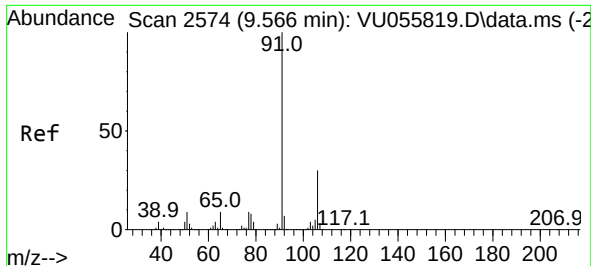
Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

77 61.4 49.0 73.6

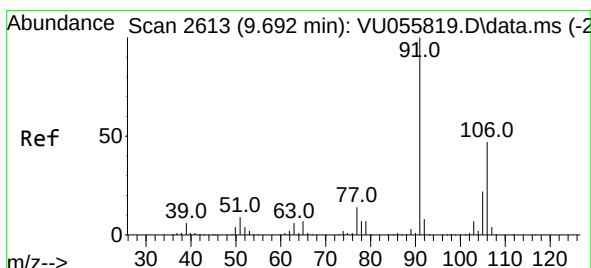
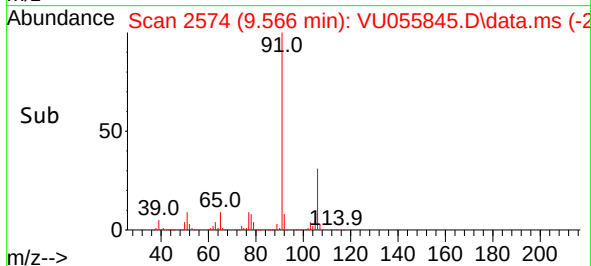
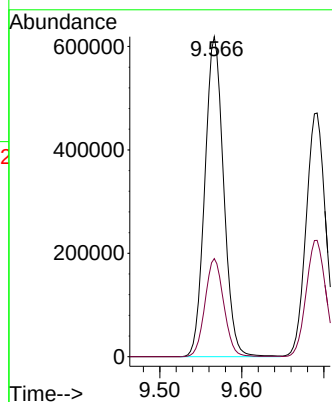
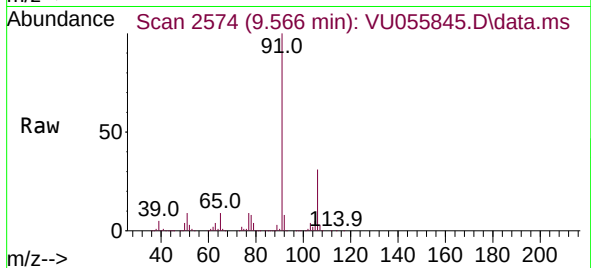




#52
Ethylbenzene
Concen: 52.738 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

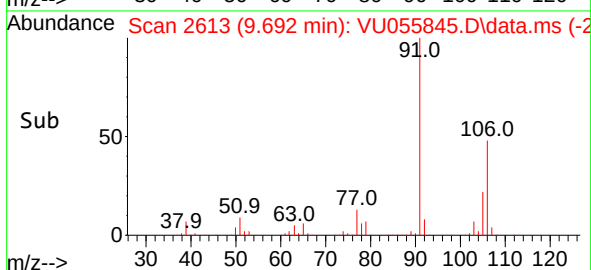
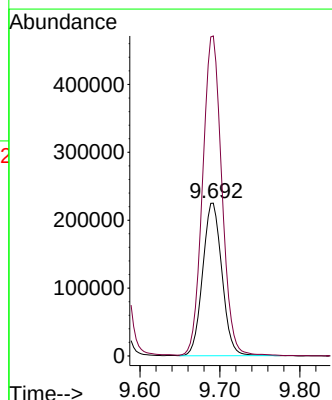
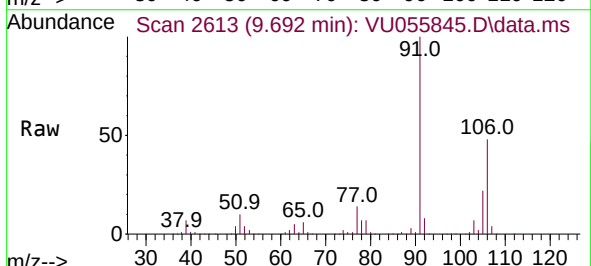
Instrument :
MSVOA_U
ClientSampleId :

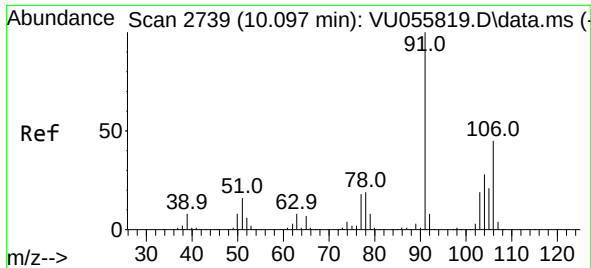
Tgt Ion: 91 Resp: 984858
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 53.965 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion:106 Resp: 377554
Ion Ratio Lower Upper
106 100
91 209.5 143.8 267.0

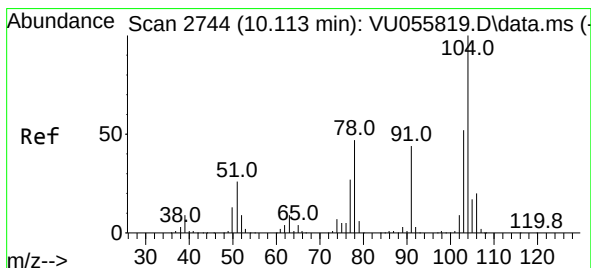
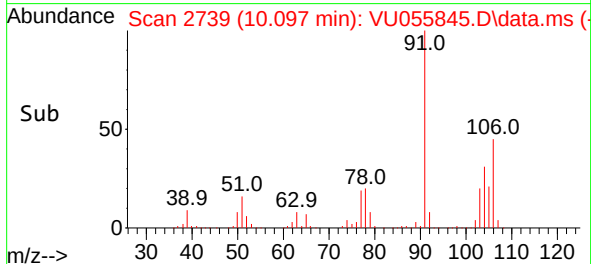
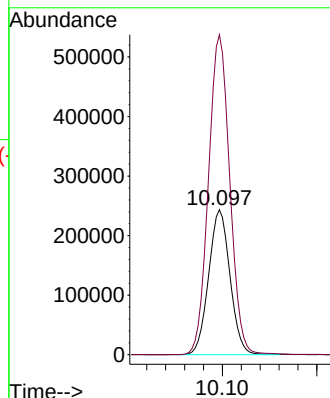
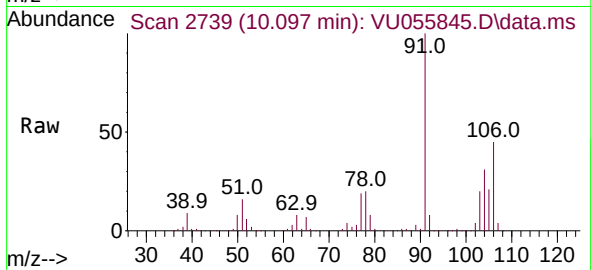




#54
o-Xylene
Concen: 56.403 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

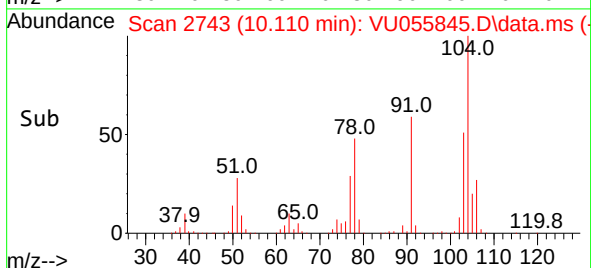
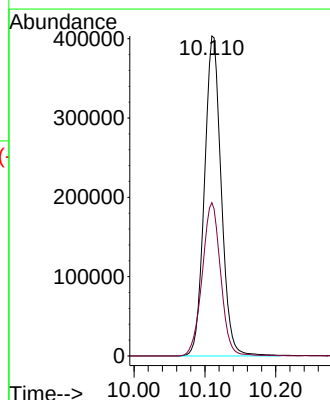
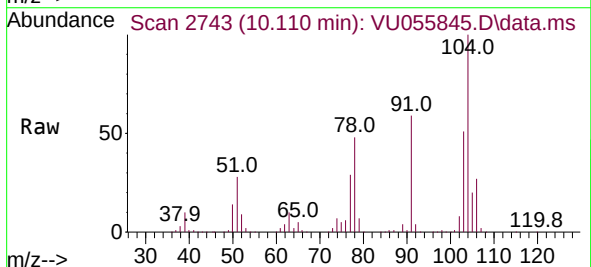
Instrument :
MSVOA_U
ClientSampleId :

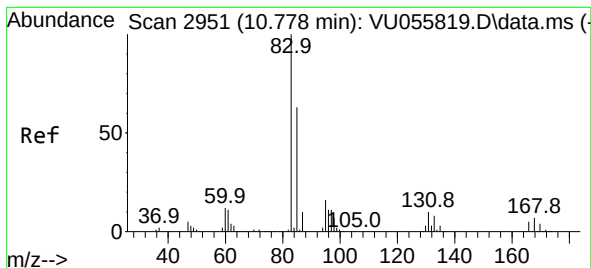
Tgt Ion:106 Resp: 381861
Ion Ratio Lower Upper
106 100
91 220.8 151.8 282.0



#55
Styrene
Concen: 57.859 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion:104 Resp: 663585
Ion Ratio Lower Upper
104 100
78 47.9 33.6 62.4

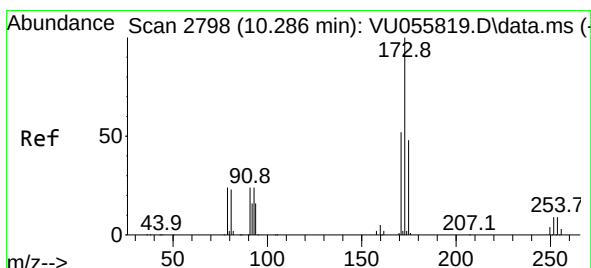
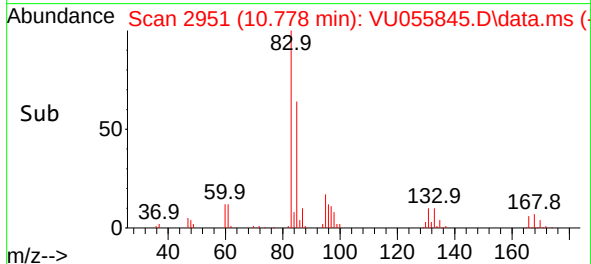
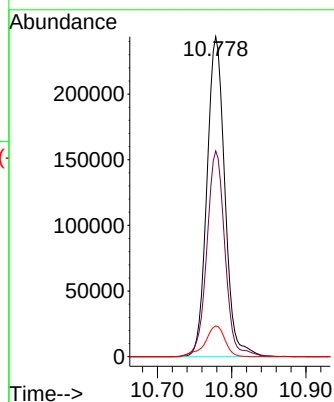
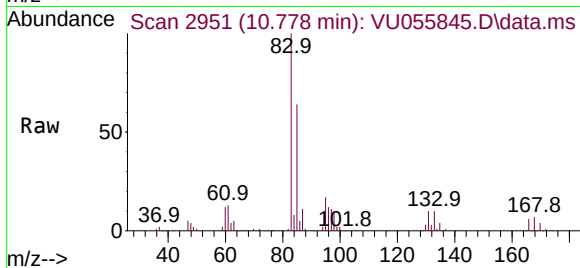




#57
1,1,2,2-Tetrachloroethane
Concen: 54.088 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

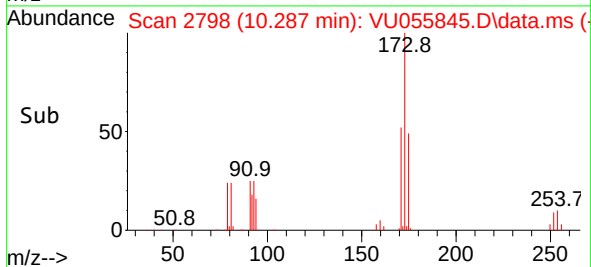
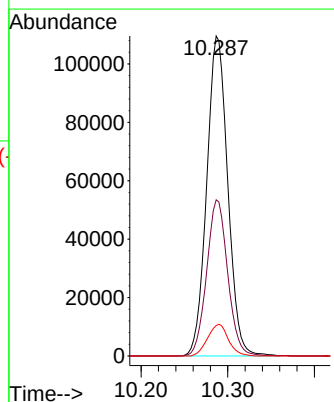
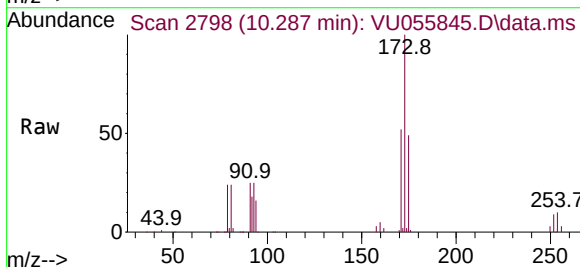
Instrument :
MSVOA_U
ClientSampleId :

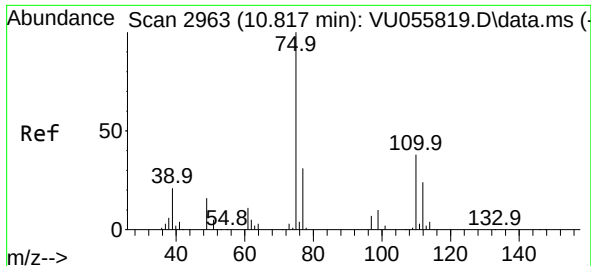
Tgt Ion: 83 Resp: 407079
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.5
131 9.6 7.3 10.9



#59
Bromoform
Concen: 51.590 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion:173 Resp: 185030
Ion Ratio Lower Upper
173 100
175 48.8 40.4 60.6
254 9.8 7.3 10.9

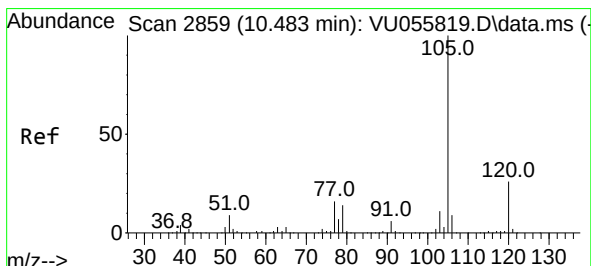
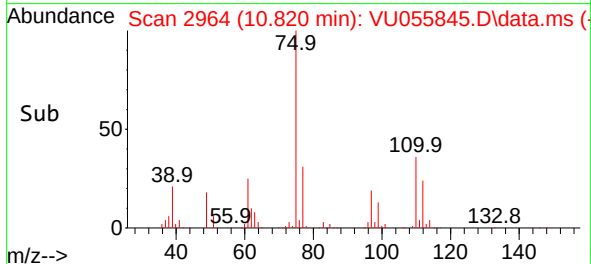
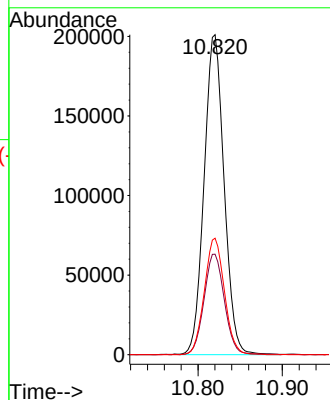
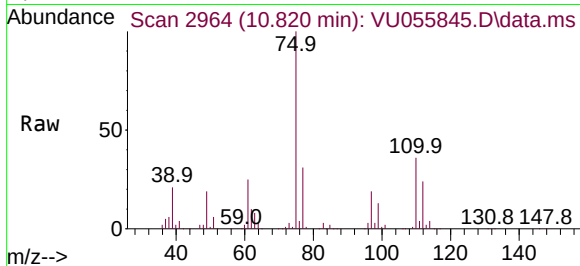




#60
1,2,3-Trichloropropane
Concen: 52.572 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

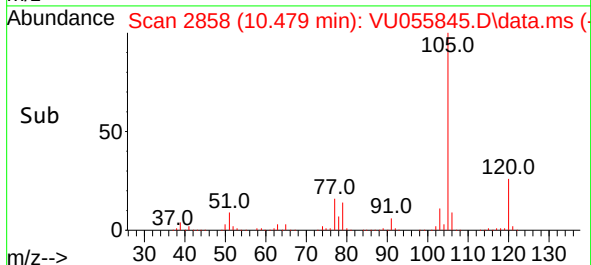
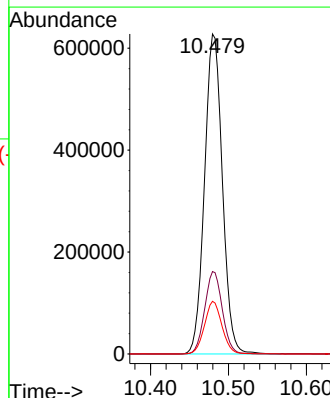
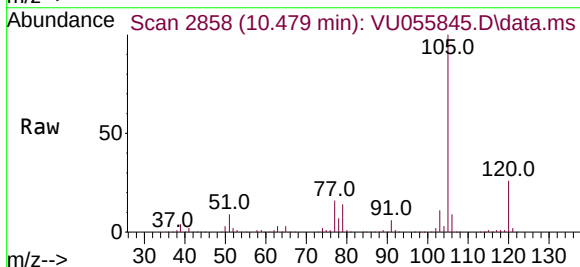
Instrument :
MSVOA_U
ClientSampleId :

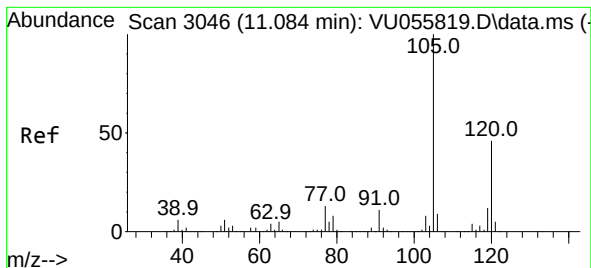
Tgt Ion: 75 Resp: 332416
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 36.4 28.5 42.7



#61
Isopropylbenzene
Concen: 55.092 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion: 105 Resp: 1000627
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 16.2 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 57.204 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU055845.D

Acq: 20 Oct 2023 20:15

Instrument :

MSVOA_U

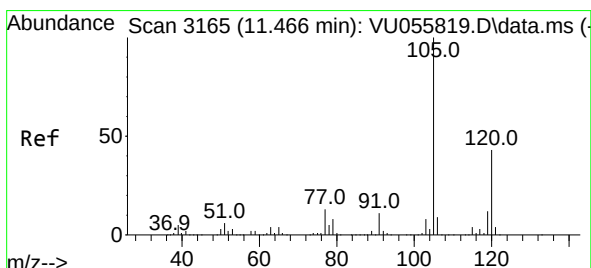
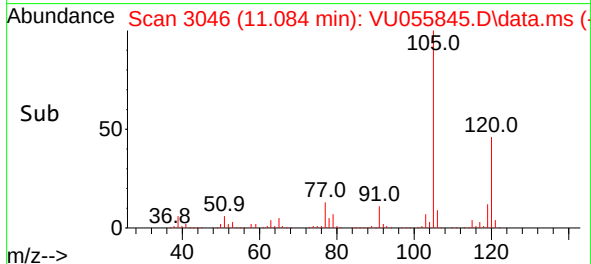
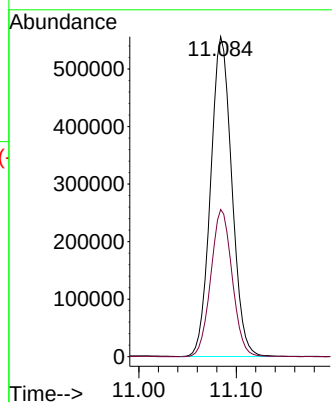
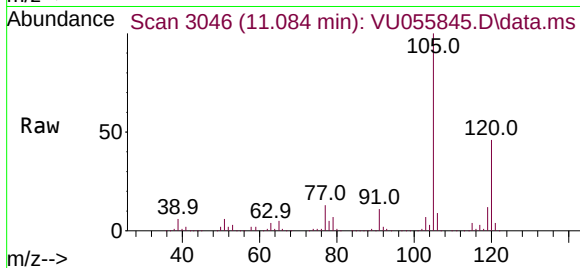
ClientSampleId :

Tgt Ion:105 Resp: 840717

Ion Ratio Lower Upper

105 100

120 46.4 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 55.184 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VU055845.D

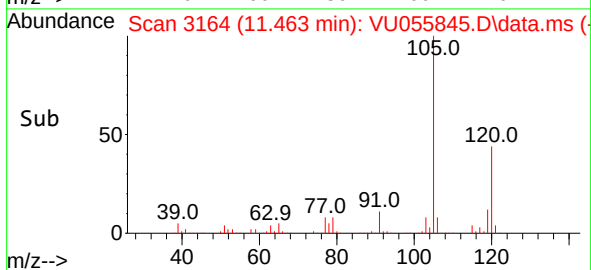
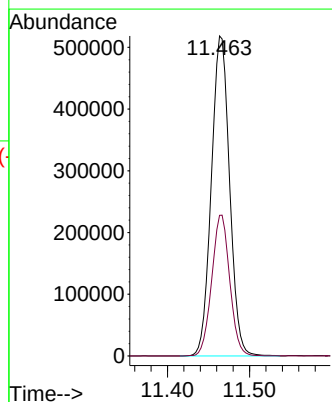
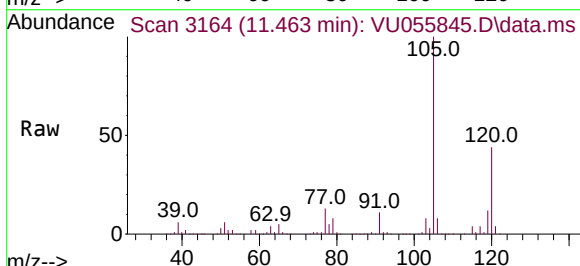
Acq: 20 Oct 2023 20:15

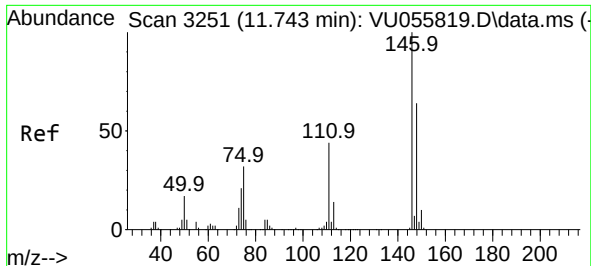
Tgt Ion:105 Resp: 801968

Ion Ratio Lower Upper

105 100

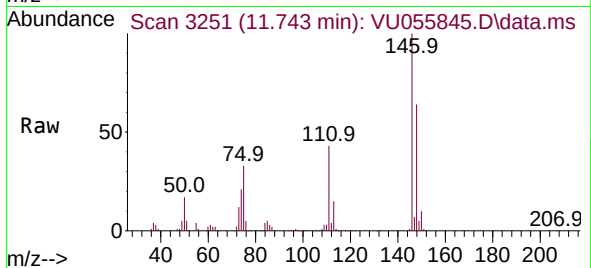
120 43.4 35.0 52.4



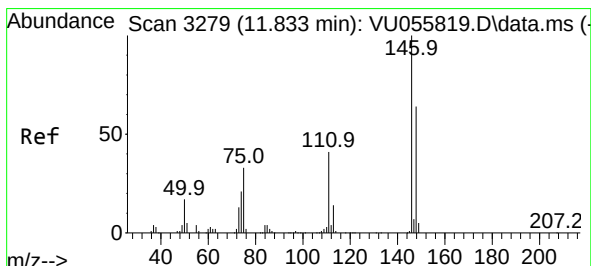
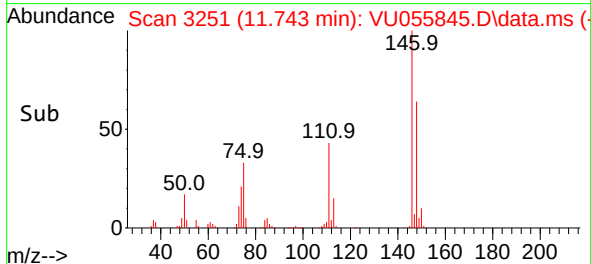
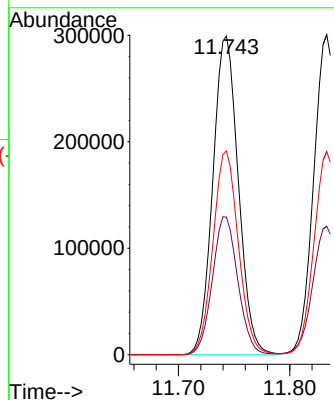


#64
1,3-Dichlorobenzene
Concen: 52.971 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Instrument :
MSVOA_U
ClientSampleId :

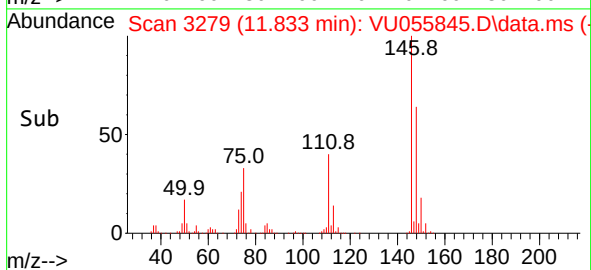
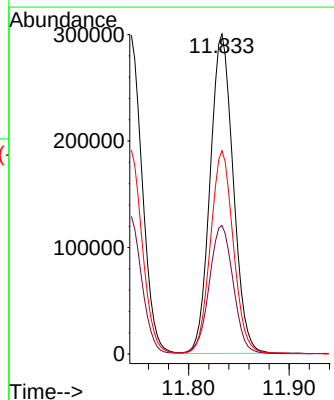
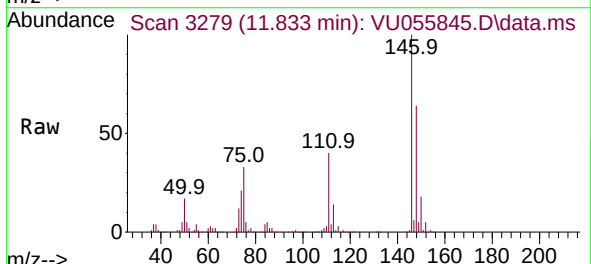


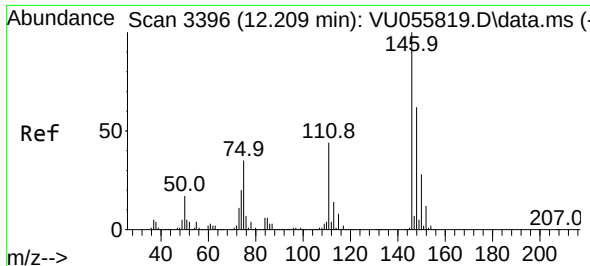
Tgt Ion:146 Resp: 475608
Ion Ratio Lower Upper
146 100
111 43.2 29.7 55.1
148 63.9 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 51.800 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion:146 Resp: 478179
Ion Ratio Lower Upper
146 100
111 40.1 28.6 53.0
148 63.5 44.2 82.0

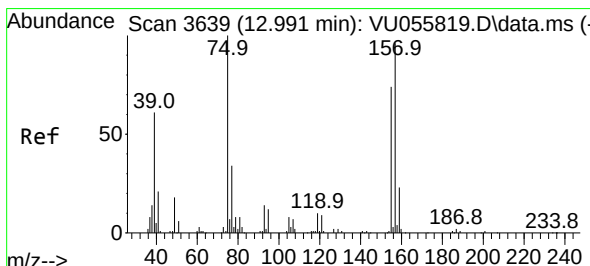
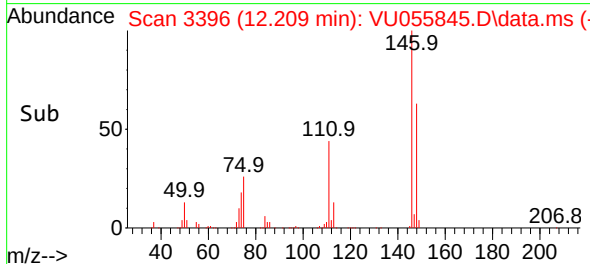
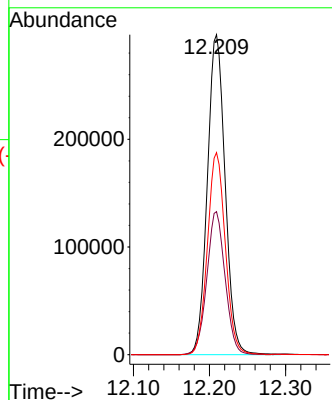
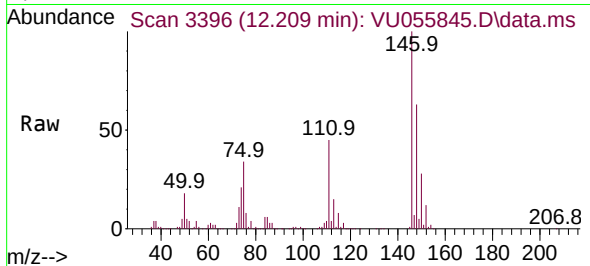




#67
 1,2-Dichlorobenzene
 Concen: 54.142 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15

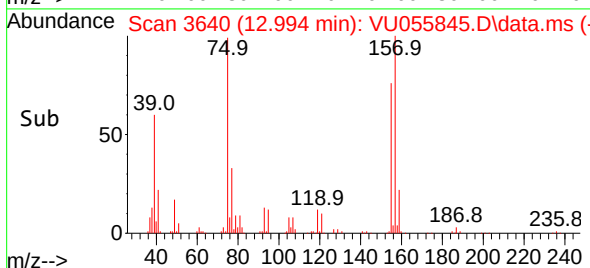
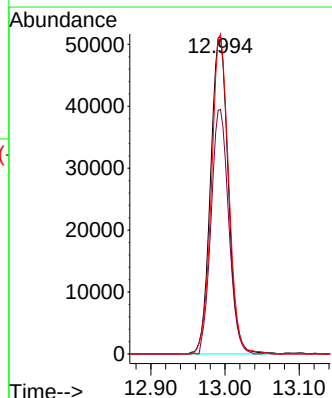
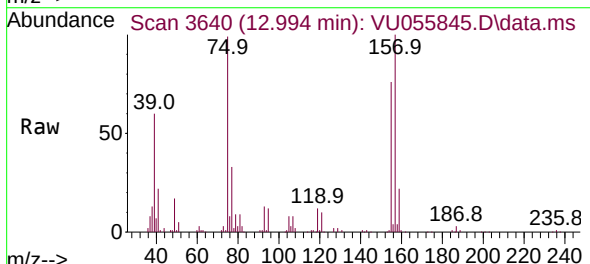
Instrument :
 MSVOA_U
 ClientSampleId :

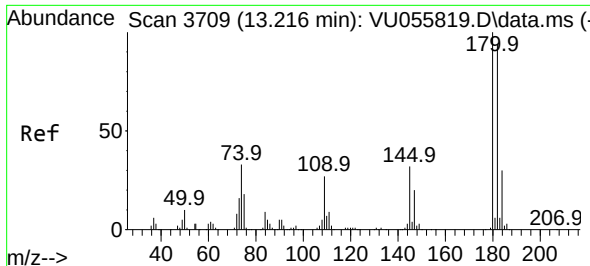
Tgt Ion:146 Resp: 482420
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.2 52.8
 148 63.2 52.3 78.5



#68
 1,2-Dibromo-3-chloropropane
 Concen: 44.820 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. 0.003 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15

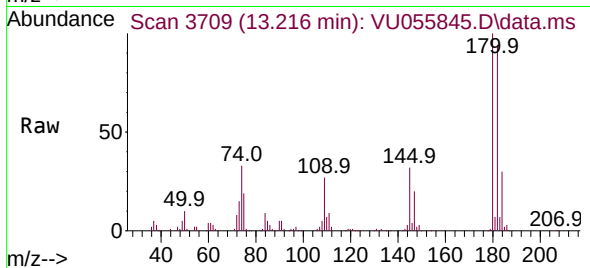
Tgt Ion: 75 Resp: 84727
 Ion Ratio Lower Upper
 75 100
 155 77.1 59.6 89.4
 157 101.0 77.7 116.5



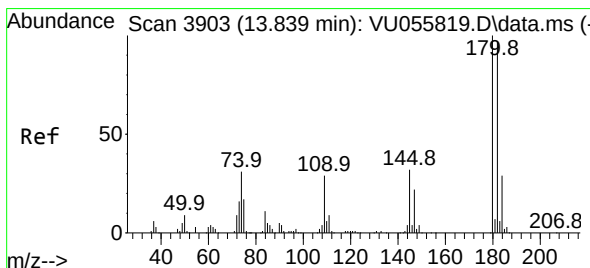
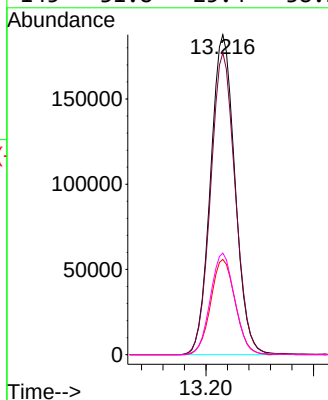
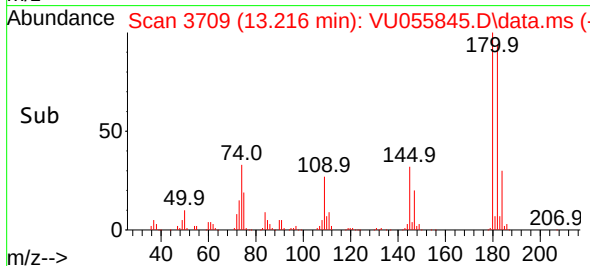


#69
 1,3,5-Trichlorobenzene
 Concen: 49.434 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15

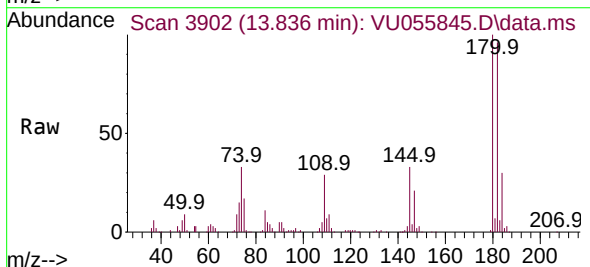
Instrument :
 MSVOA_U
 ClientSampleId :



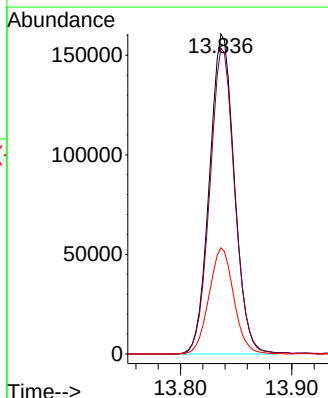
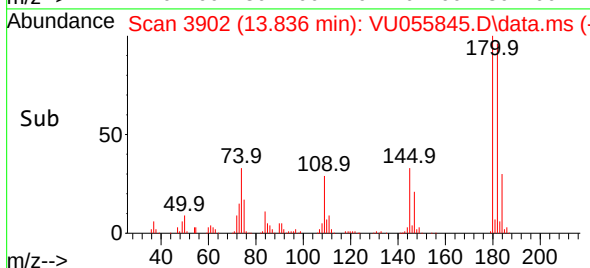
Tgt Ion:180 Resp: 296062
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.2
 184 29.9 23.9 35.9
 145 31.8 25.4 38.2

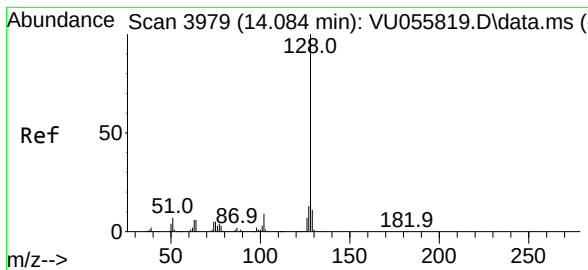


#70
 1,2,4-trichlorobenzene
 Concen: 50.159 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU055845.D
 Acq: 20 Oct 2023 20:15



Tgt Ion:180 Resp: 250222
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.2
 145 32.9 26.1 39.1

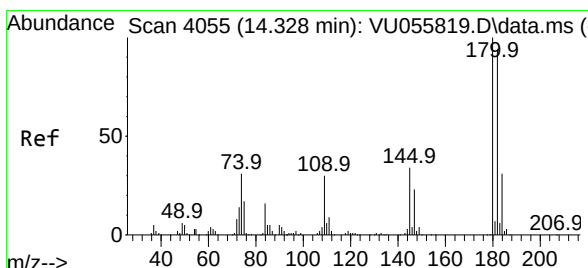
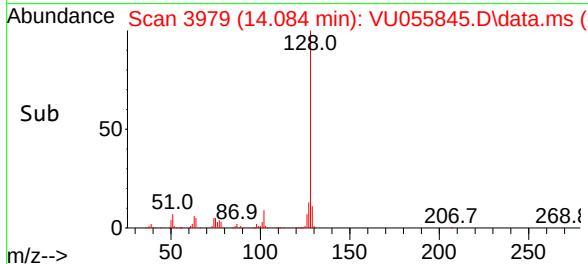
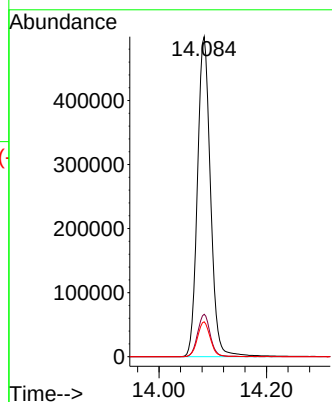
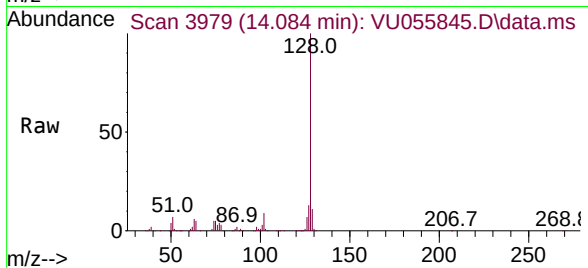




#71
Naphthalene
Concen: 56.776 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 841345
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 52.747 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055845.D
Acq: 20 Oct 2023 20:15

Tgt Ion:180 Resp: 259433
Ion Ratio Lower Upper
180 100
182 93.2 78.1 117.1
145 34.1 27.4 41.0

