

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091923\
 Data File : VU055411.D
 Acq On : 19 Sep 2023 23:40
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:11:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	255422	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264083	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	148350	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	117039	4.534	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.600%	
7) Chloroethane-d5	1.911	69	103054	4.530	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.600%	
11) 1,1-Dichloroethene-d2	2.563	65	49867	4.693	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	93.800%	
20) 2-Butanone-d5	4.631	46	234831	50.362	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.720%	
24) Chloroform-d	5.058	84	228747	4.899	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.000%	
26) 1,2-Dichloroethane-d4	5.698	65	112538	5.010	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.200%	
32) Benzene-d6	5.724	84	456285	4.940	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.800%	
36) 1,2-Dichloropropane-d6	6.689	67	135939	4.926	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.600%	
41) Toluene-d8	7.894	98	421630	5.008	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.200%	
43) trans-1,3-Dichloroprop...	8.177	79	47458	4.900	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	98.000%	
46) 2-Hexanone-d5	8.631	63	140185	47.585	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.160%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	103550	5.006	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	100.200%	
66) 1,2-Dichlorobenzene-d4	12.190	152	148514	4.960	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	114045	4.586	ug/L	100
3) Chloromethane	1.515	50	101403	4.635	ug/L	99
5) Vinyl chloride	1.602	62	107726	4.564	ug/L	97
6) Bromomethane	1.856	94	70044	4.673	ug/L	98
8) Chloroethane	1.930	64	68491	4.447	ug/L	99
9) Trichlorofluoromethane	2.136	101	150159	4.588	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	89923	4.515	ug/L	99
12) 1,1-Dichloroethene	2.576	96	83202	4.659	ug/L	98
13) Acetone	2.644	43	112904	42.478	ug/L	96
14) Carbon disulfide	2.792	76	247903	4.618	ug/L	98
15) Methyl Acetate	2.952	43	27901	4.604	ug/L	98
16) Methylene chloride	3.042	84	111066	5.191	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	182691	4.716	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	84586	4.699	ug/L	96
19) 1,1-Dichloroethane	3.866	63	157147	4.721	ug/L	98
21) 2-Butanone	4.708	43	177429	45.514	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	98248	4.708	ug/L	99
23) Bromochloromethane	4.972	128	41273	4.679	ug/L	98
25) Chloroform	5.084	83	170182	4.828	ug/L	97

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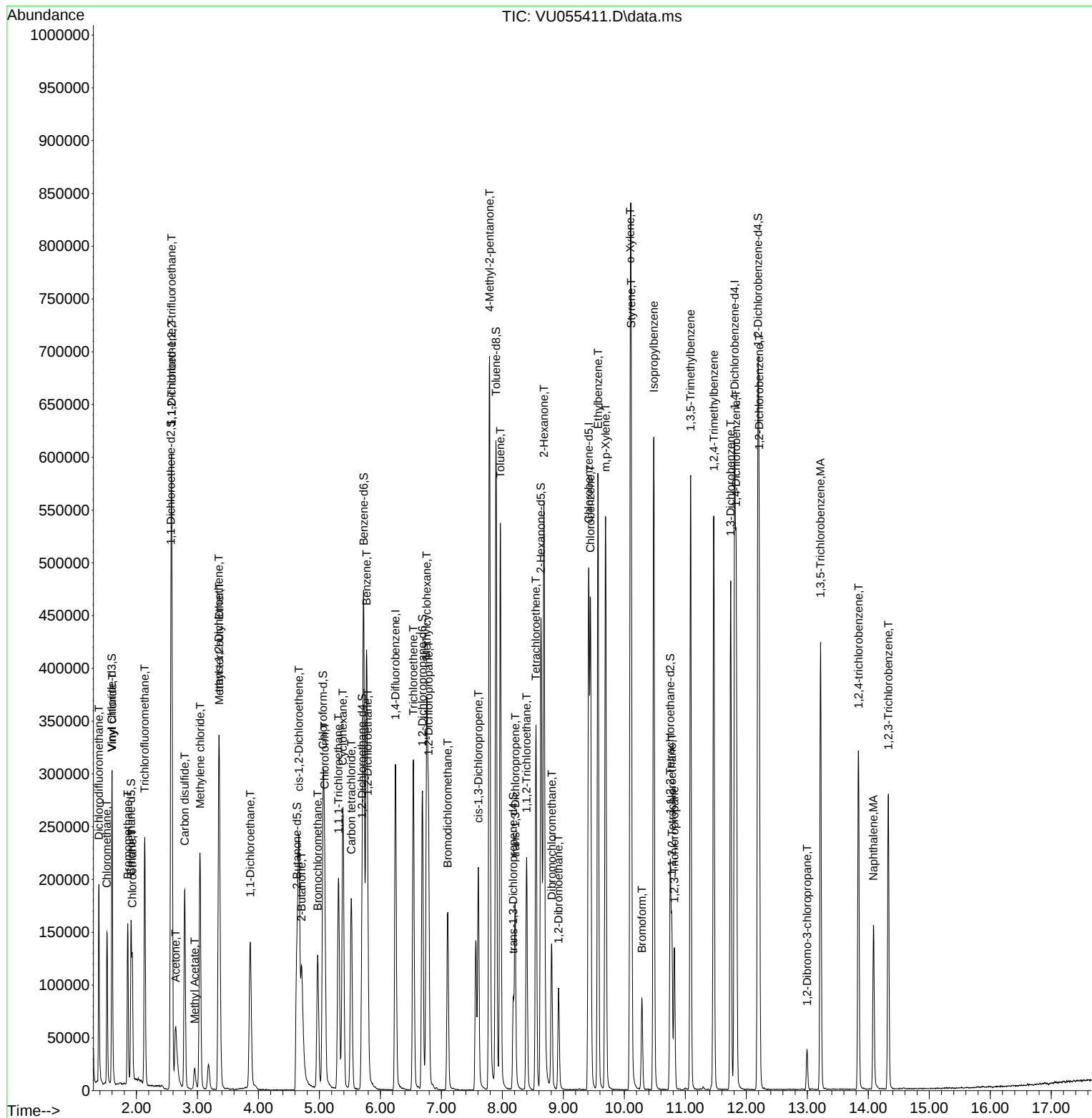
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	103753	4.800	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	144360	4.795	ug/L	99
30) Cyclohexane	5.383	56	125872	4.567	ug/L	98
31) Carbon tetrachloride	5.521	117	123689	4.793	ug/L	98
33) Benzene	5.772	78	364802	4.800	ug/L	100
34) Trichloroethene	6.541	95	107067	4.980	ug/L	99
35) Methylcyclohexane	6.759	83	134912	4.356	ug/L	96
37) 1,2-Dichloropropane	6.788	63	92875	4.672	ug/L	100
38) Bromodichloromethane	7.103	83	115414	4.955	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	127096	4.790	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	438065	48.582	ug/L	99
42) Toluene	7.965	91	391884	4.834	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	101112	4.763	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	68172	4.891	ug/L	99
47) Tetrachloroethene	8.550	164	72585	4.706	ug/L	98
48) 2-Hexanone	8.682	43	341287	48.836	ug/L	98
49) Dibromochloromethane	8.808	129	70789	4.845	ug/L	96
50) 1,2-Dibromoethane	8.920	107	63097	4.878	ug/L	100
51) Chlorobenzene	9.444	112	242176	4.664	ug/L	99
52) Ethylbenzene	9.566	91	411655	4.736	ug/L	99
53) m,p-Xylene	9.692	106	157472	4.835	ug/L	96
54) o-Xylene	10.097	106	153659	4.852	ug/L	95
55) Styrene	10.113	104	253467	4.950	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	74826	4.756	ug/L	99
59) Bromoform	10.287	173	38665	4.863	ug/L	97
60) Isopropylbenzene	10.483	105	402923	4.713	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	55406	4.784	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	317300	4.641	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	308727	4.613	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	193745	4.733	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	191401	4.678	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	179631	4.786	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	9918	4.941	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	125963	4.468	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	97193	4.522	ug/L	98
71) Naphthalene	14.084	128	131639	4.231	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	82974	4.437	ug/L	98

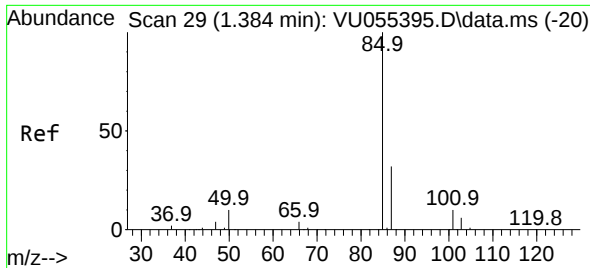
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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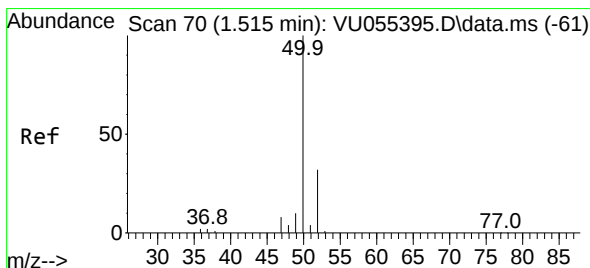
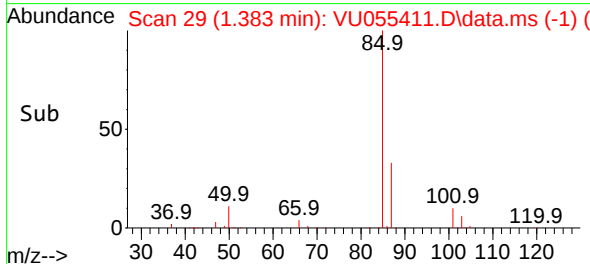
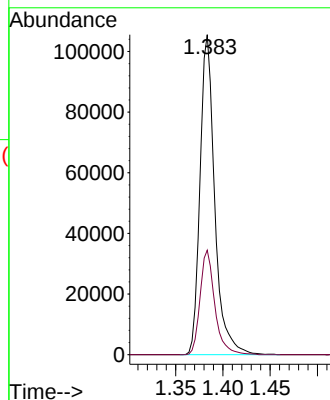
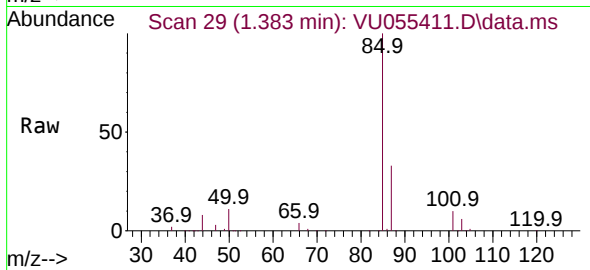




#2
 Dichlorodifluoromethane
 Concen: 4.586 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

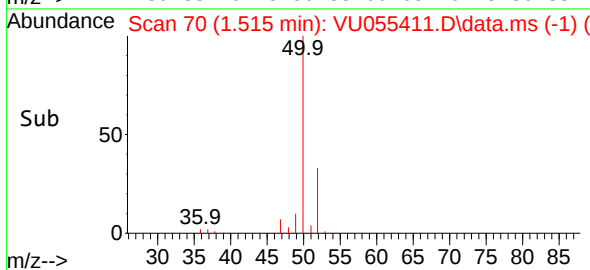
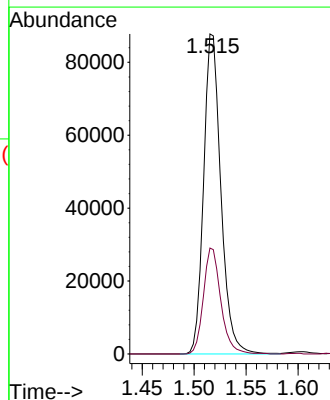
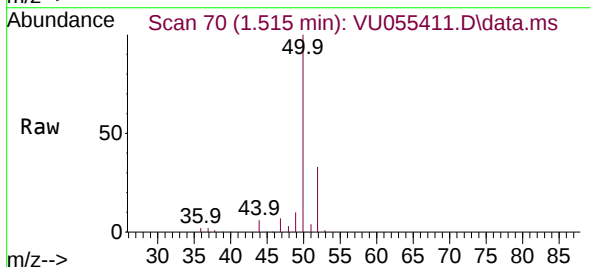
Instrument :
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 ClientSampleId :

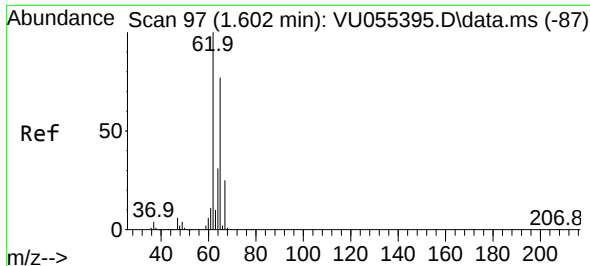
Tgt Ion: 85 Resp: 114045
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 4.635 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

Tgt Ion: 50 Resp: 101403
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.9 42.5

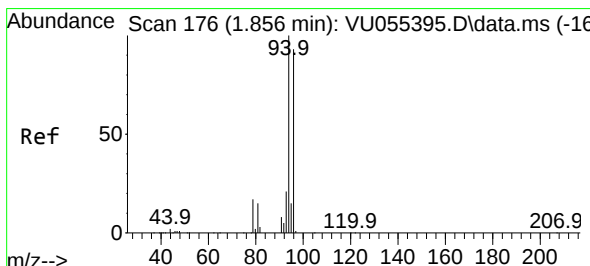
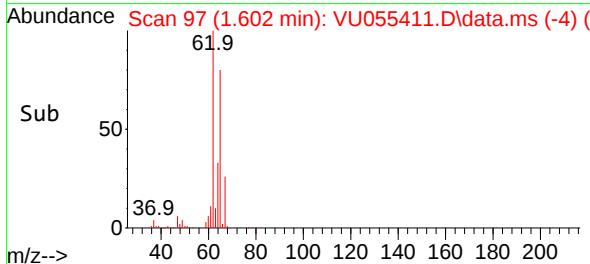
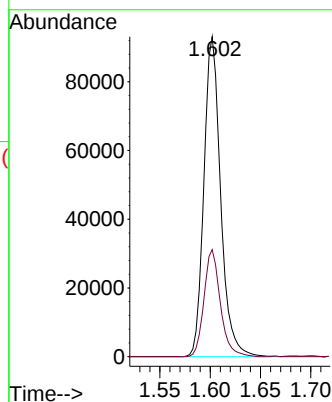
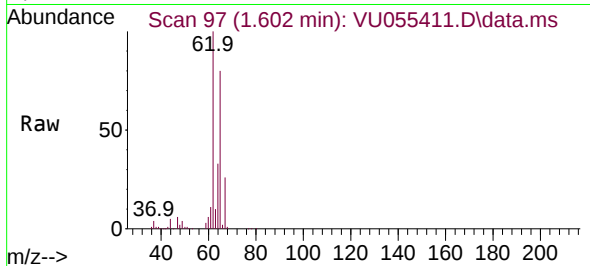




#5
 Vinyl chloride
 Concen: 4.564 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

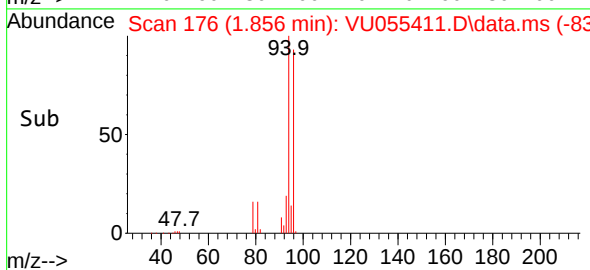
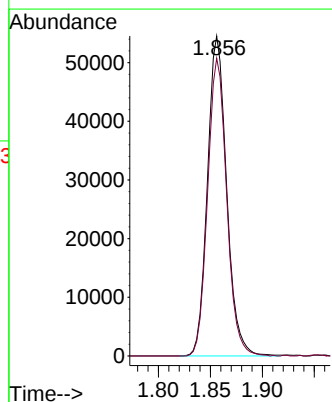
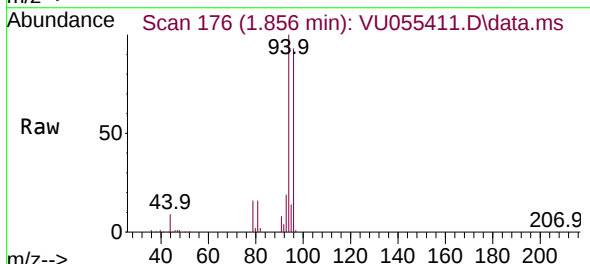
Instrument :
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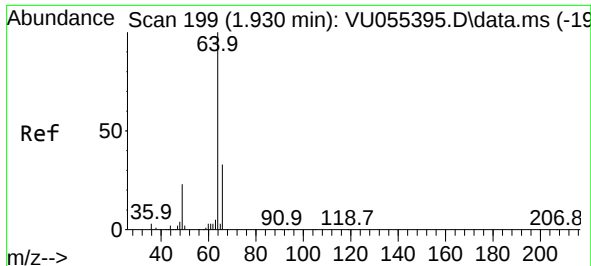
Tgt Ion: 62 Resp: 107726
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.3 41.5



#6
 Bromomethane
 Concen: 4.673 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

Tgt Ion: 94 Resp: 70044
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.4 123.2

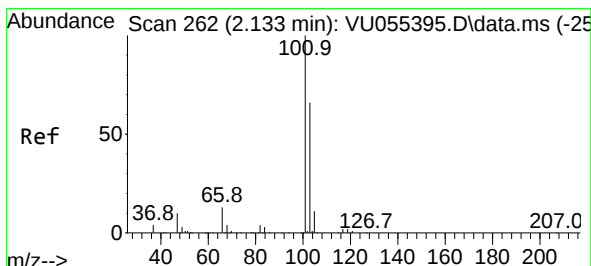
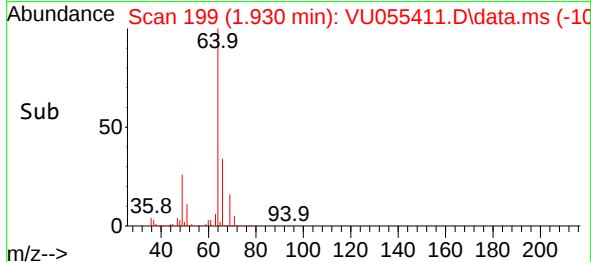
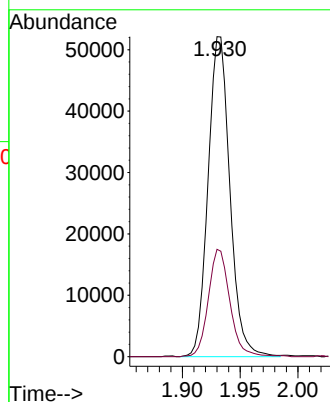
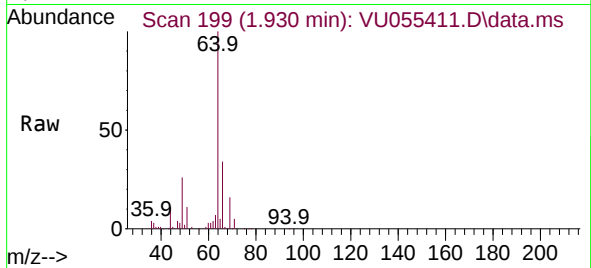




#8
Chloroethane
Concen: 4.447 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

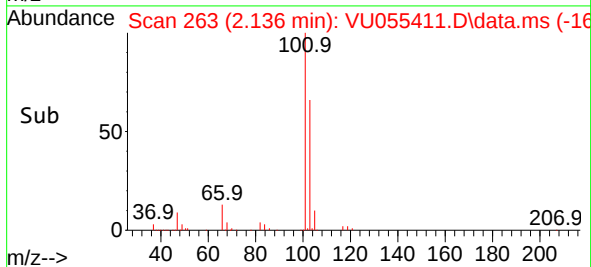
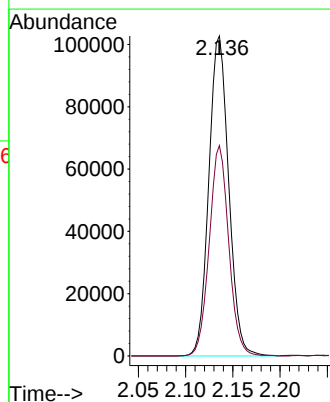
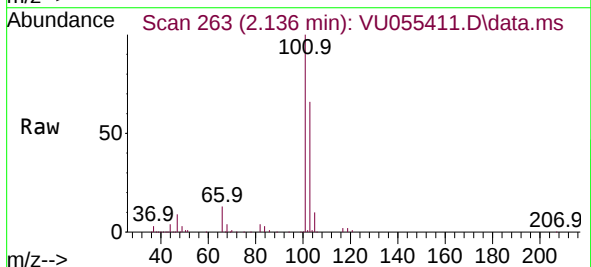
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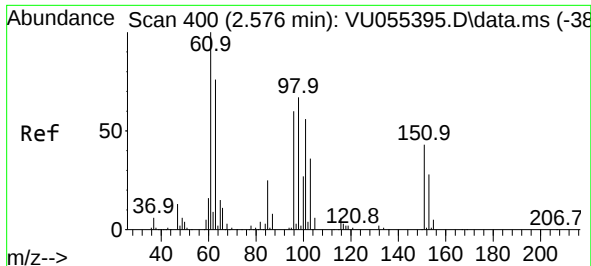
Tgt Ion: 64 Resp: 68491
Ion Ratio Lower Upper
64 100
66 33.5 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.588 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion:101 Resp: 150159
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

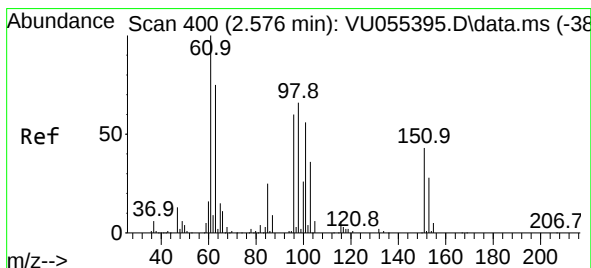
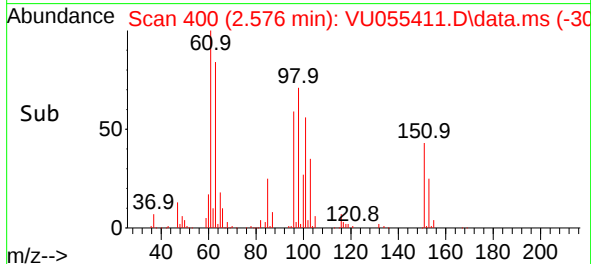
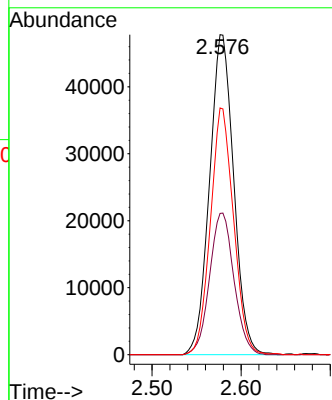
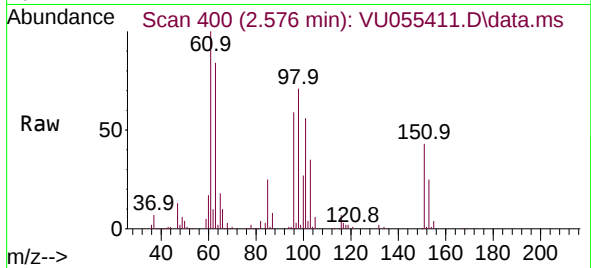




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.515 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055411.D
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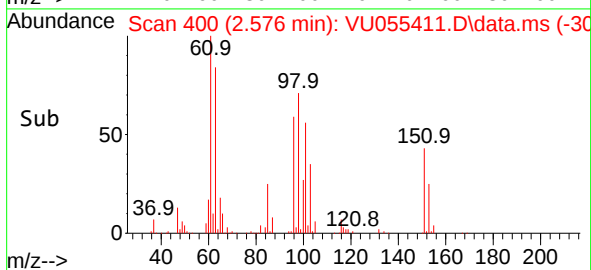
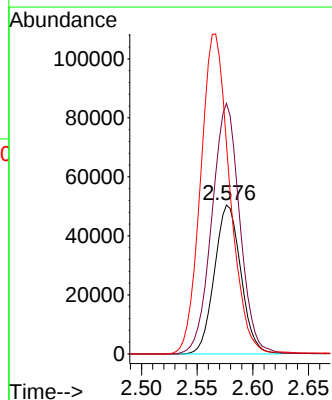
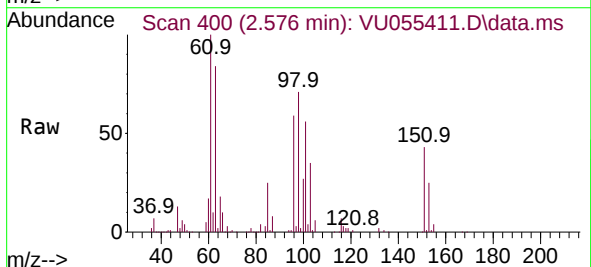
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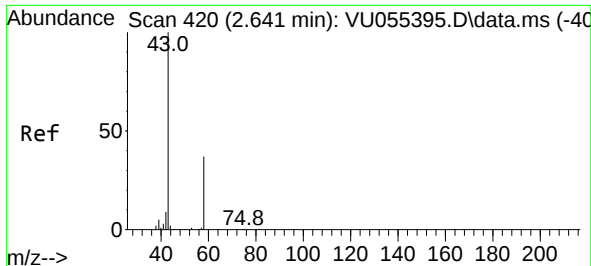
Tgt Ion:101 Resp: 89923
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.8 53.6
 151 73.9 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.659 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

Tgt Ion: 96 Resp: 83202
 Ion Ratio Lower Upper
 96 100
 61 168.2 114.5 212.7
 63 141.0 98.3 182.5





#13

Acetone

Concen: 42.478 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

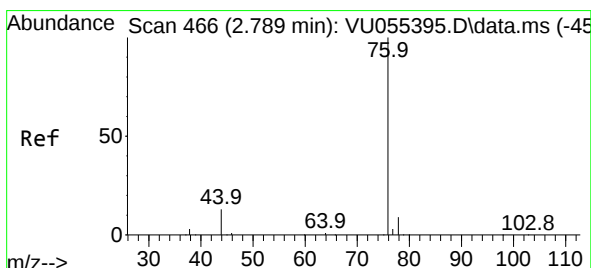
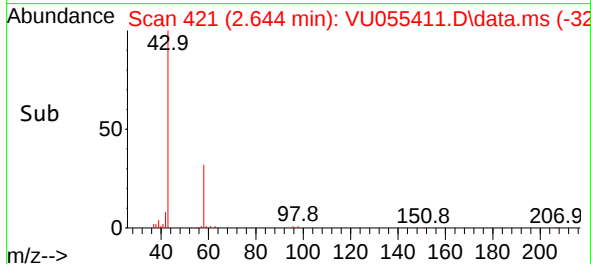
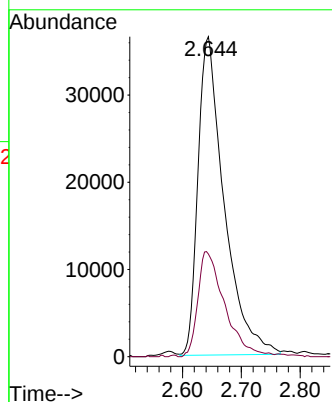
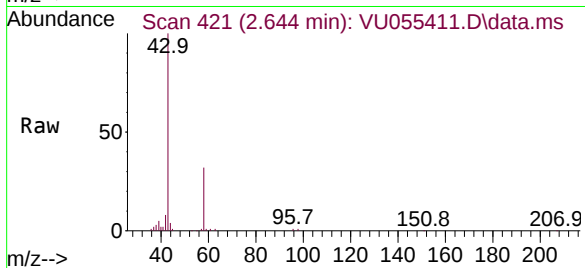
ClientSampleId :

Tgt Ion: 43 Resp: 112904

Ion Ratio Lower Upper

43 100

58 33.8 0.0 72.2



#14

Carbon disulfide

Concen: 4.618 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055411.D

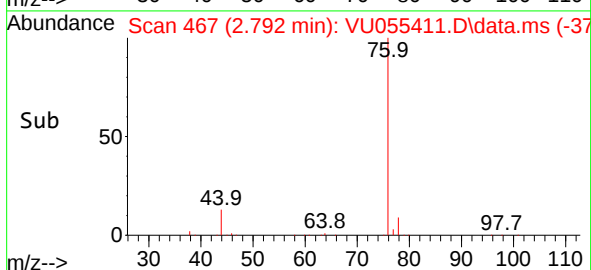
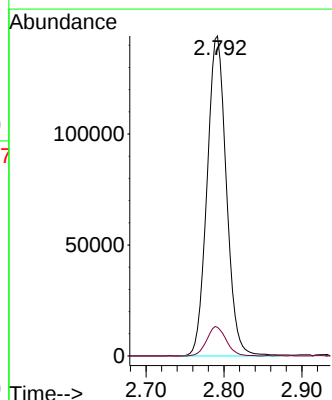
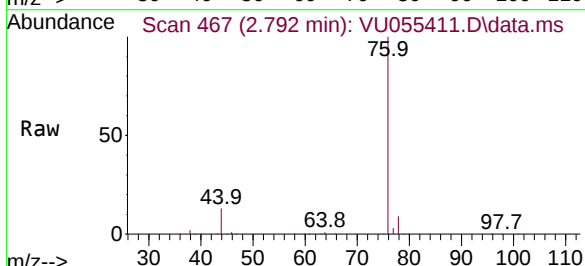
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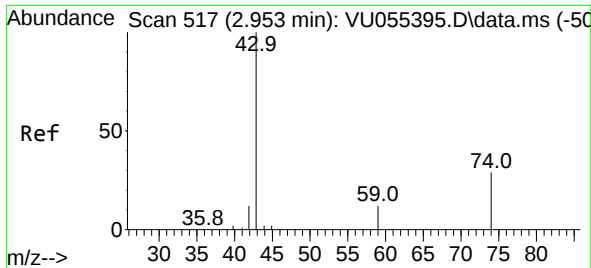
Tgt Ion: 76 Resp: 247903

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

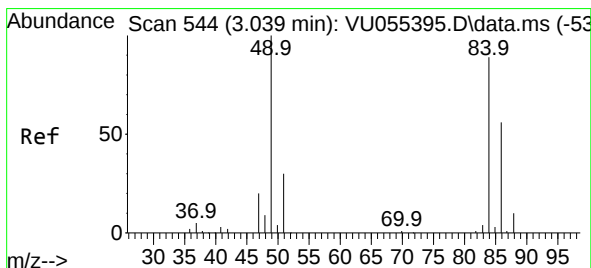
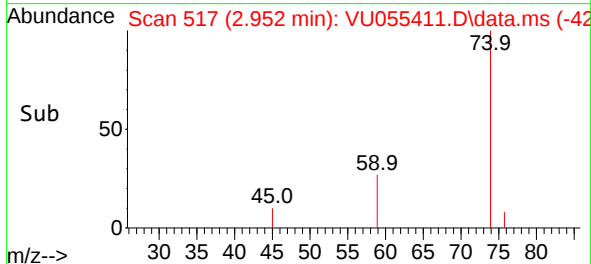
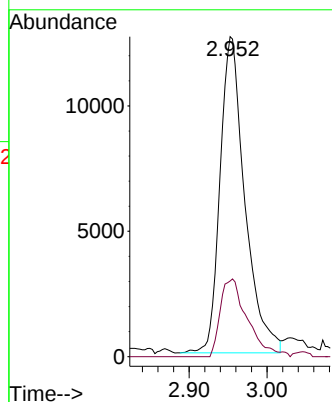
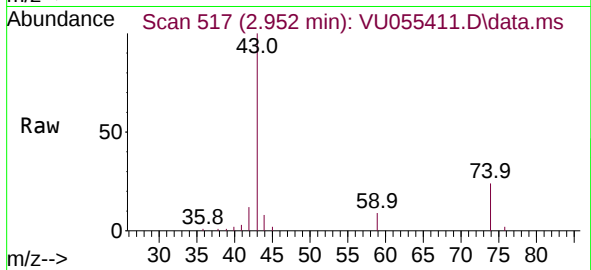




#15
Methyl Acetate
Concen: 4.604 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

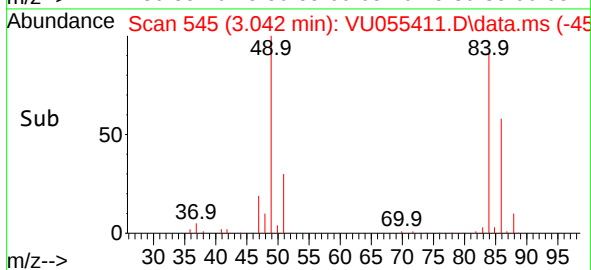
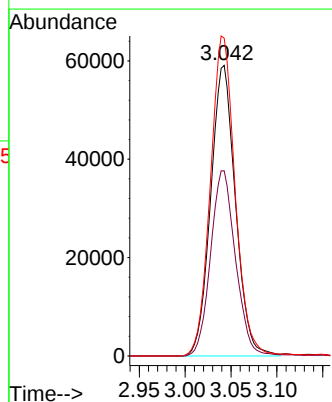
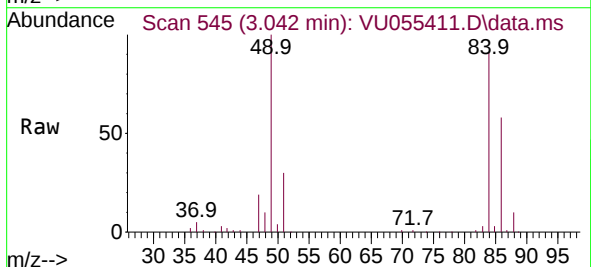
Instrument :
MSVOA_U
ClientSampleId :

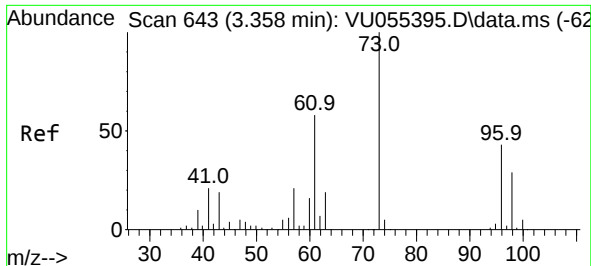
Tgt Ion: 43 Resp: 27901
Ion Ratio Lower Upper
43 100
74 26.7 22.3 33.5



#16
Methylene chloride
Concen: 5.191 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion: 84 Resp: 111066
Ion Ratio Lower Upper
84 100
86 63.7 44.9 83.3
49 109.4 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.716 ug/L

RT: 3.358 min Scan# 64

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

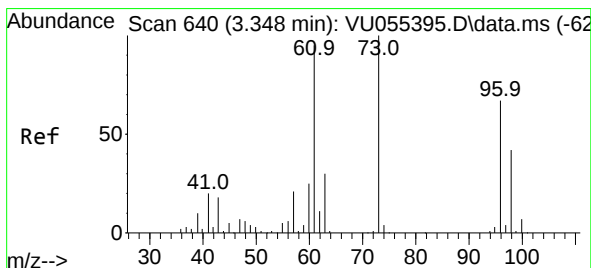
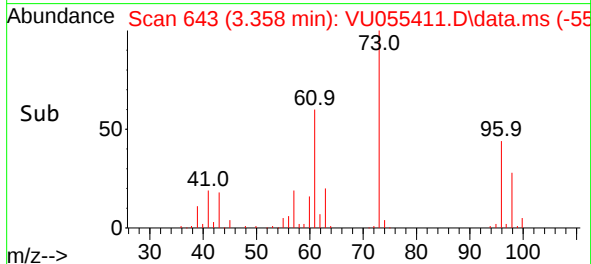
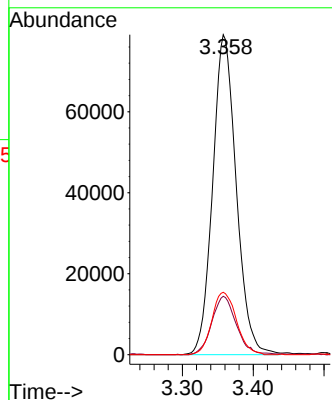
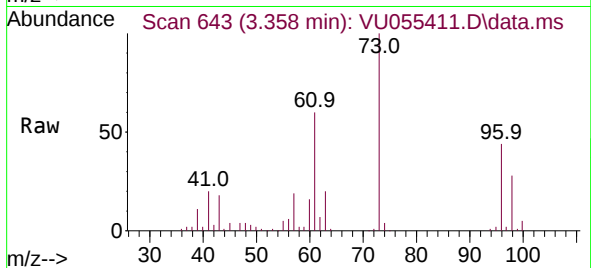
Tgt Ion: 73 Resp: 182691

Ion Ratio Lower Upper

73 100

43 19.0 14.9 22.3

57 20.4 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 4.699 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

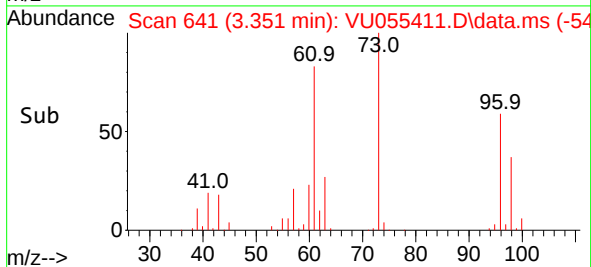
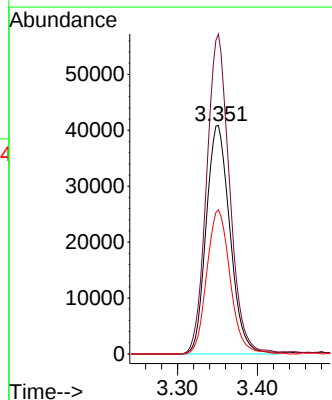
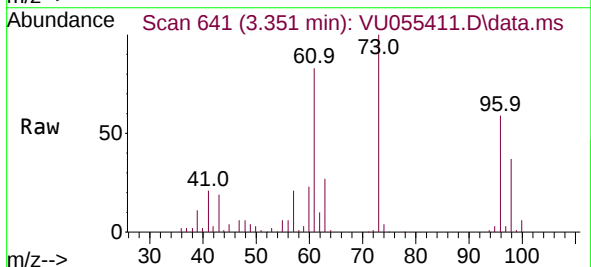
Tgt Ion: 96 Resp: 84586

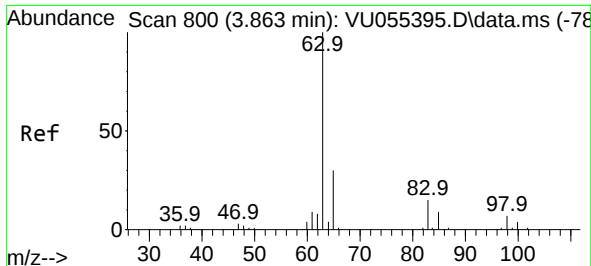
Ion Ratio Lower Upper

96 100

61 140.0 94.6 175.6

98 63.1 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.721 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

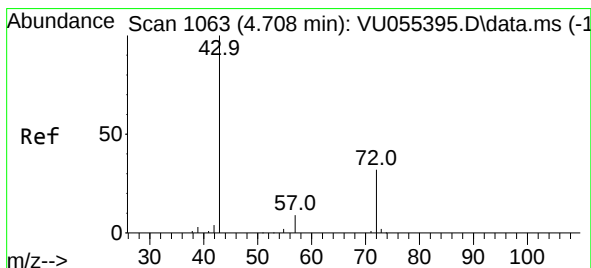
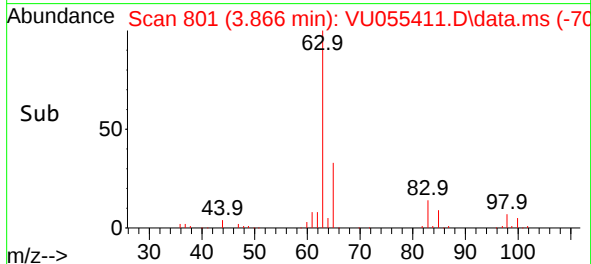
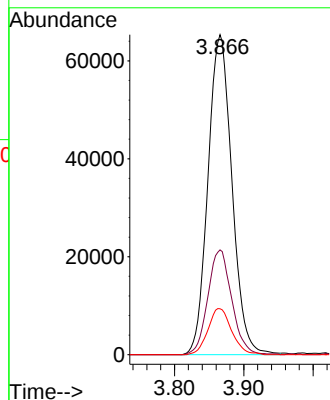
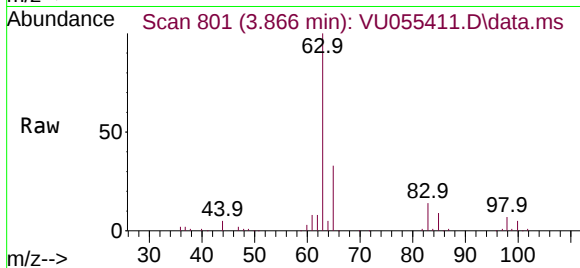
Tgt Ion: 63 Resp: 157147

Ion Ratio Lower Upper

63 100

65 32.7 22.0 41.0

83 14.4 10.1 18.9



#21

2-Butanone

Concen: 45.514 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VU055411.D

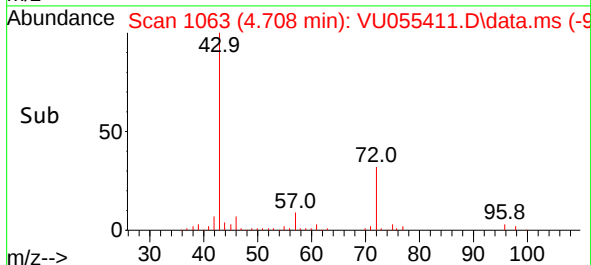
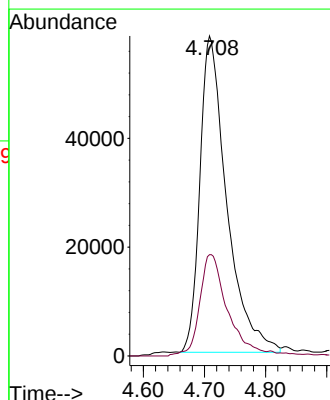
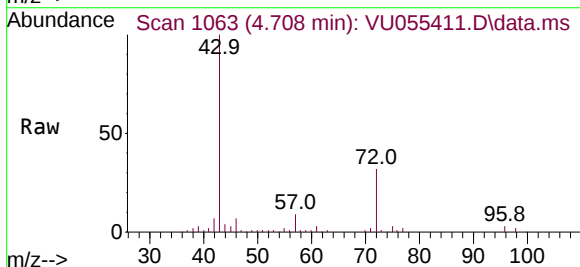
Acq: 19 Sep 2023 23:40

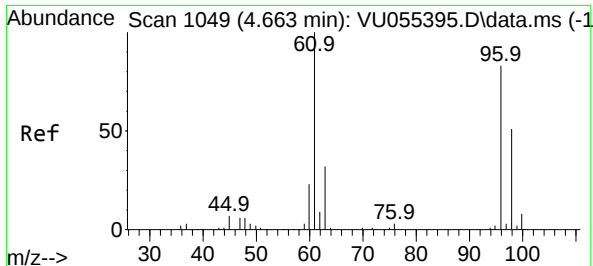
Tgt Ion: 43 Resp: 177429

Ion Ratio Lower Upper

43 100

72 32.9 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 4.708 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

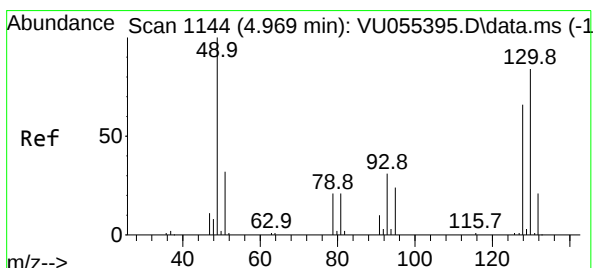
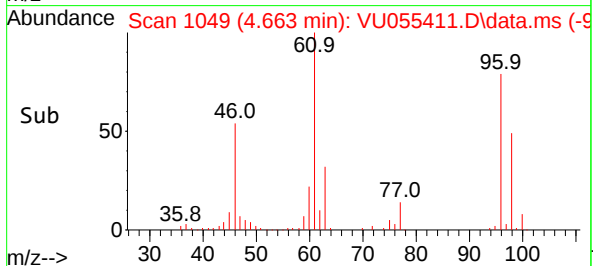
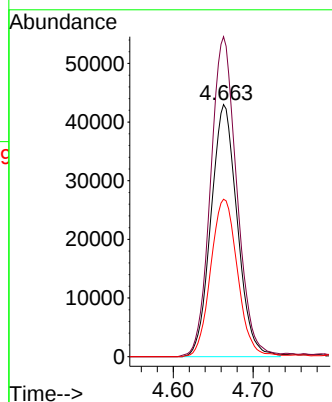
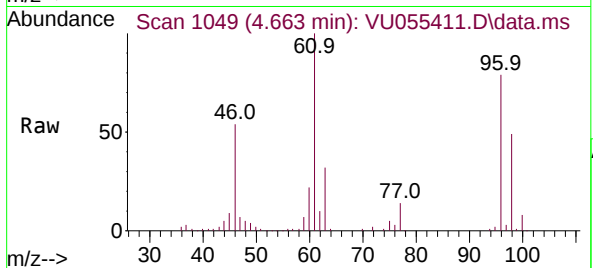
Tgt Ion: 96 Resp: 98248

Ion Ratio Lower Upper

96 100

61 126.9 87.8 163.2

98 62.4 44.4 82.4



#23

Bromochloromethane

Concen: 4.679 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Tgt Ion: 128 Resp: 41273

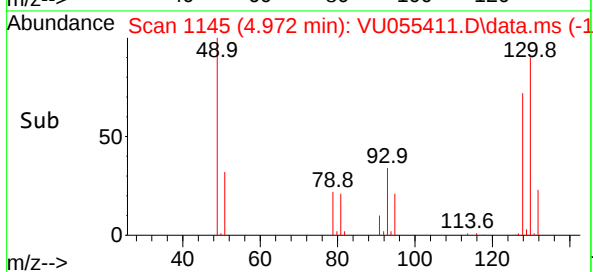
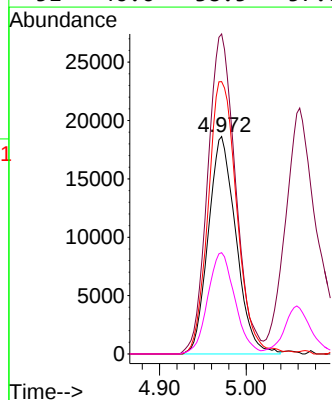
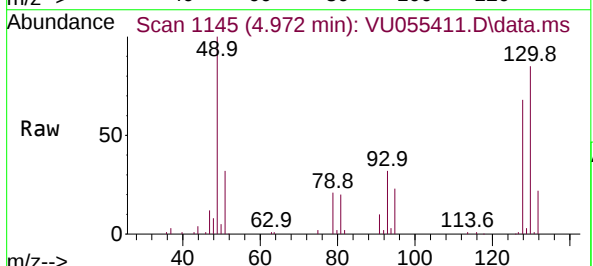
Ion Ratio Lower Upper

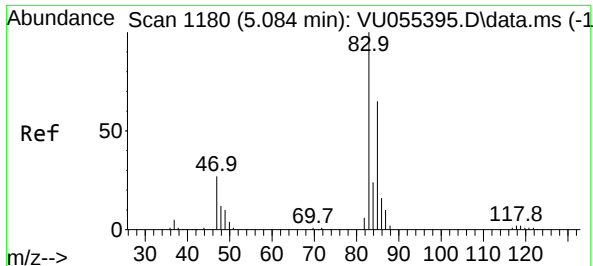
128 100

49 147.2 102.8 191.0

130 125.3 89.9 166.9

51 46.6 38.5 57.7





#25

Chloroform

Concen: 4.828 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

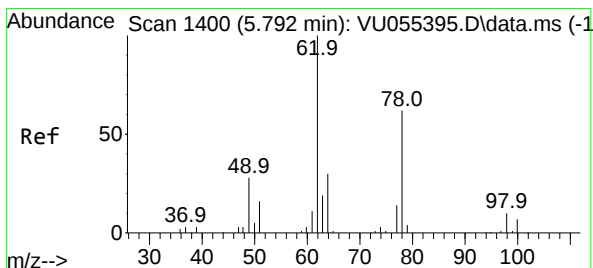
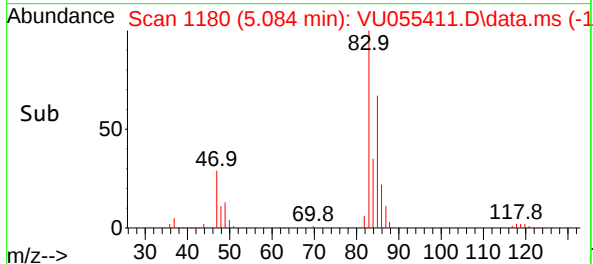
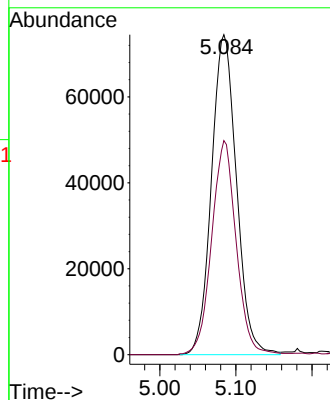
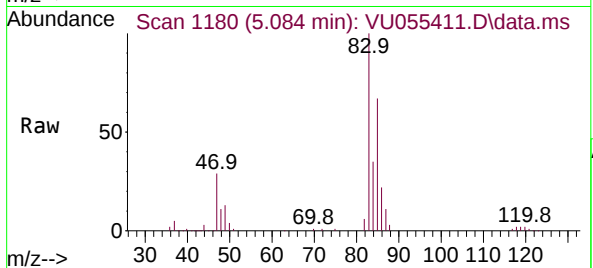
ClientSampleId :

Tgt Ion: 83 Resp: 170182

Ion Ratio Lower Upper

83 100

85 66.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.800 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055411.D

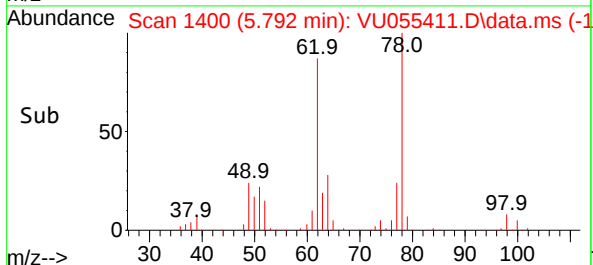
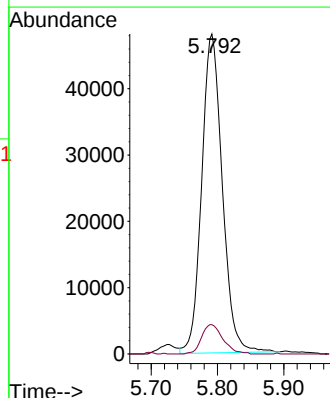
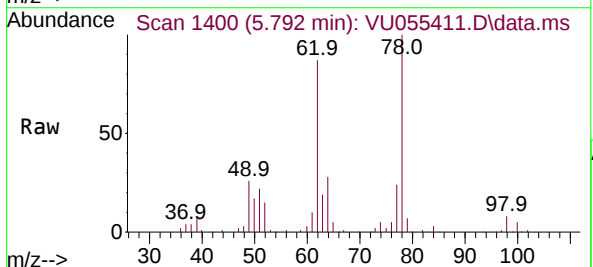
Acq: 19 Sep 2023 23:40

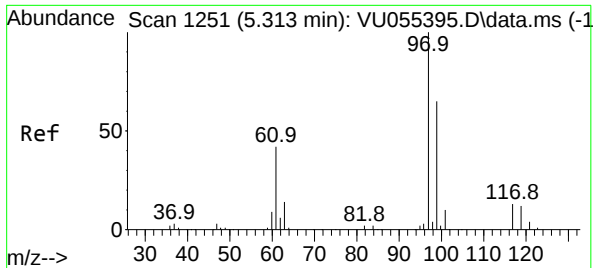
Tgt Ion: 62 Resp: 103753

Ion Ratio Lower Upper

62 100

98 9.2 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.795 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

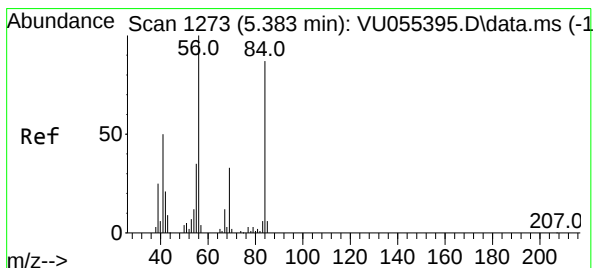
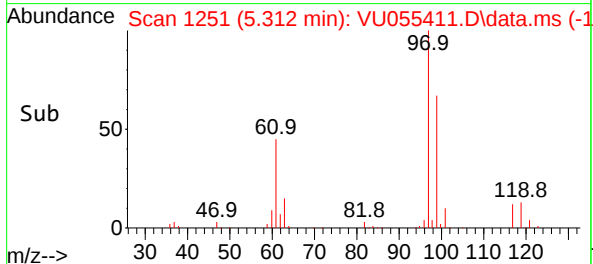
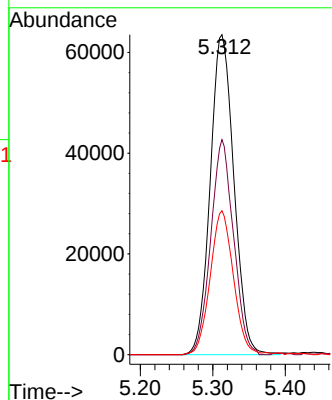
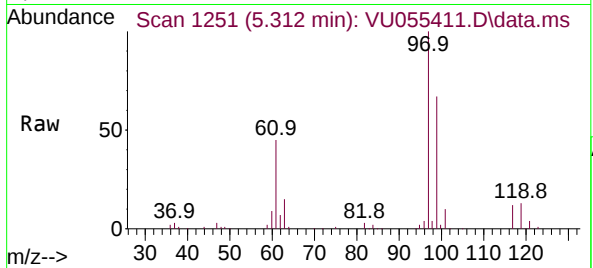
Tgt Ion: 97 Resp: 144360

Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 43.9 34.6 51.8



#30

Cyclohexane

Concen: 4.567 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

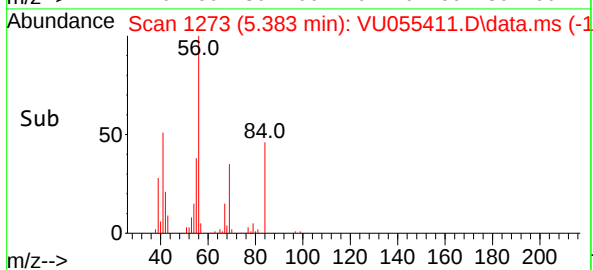
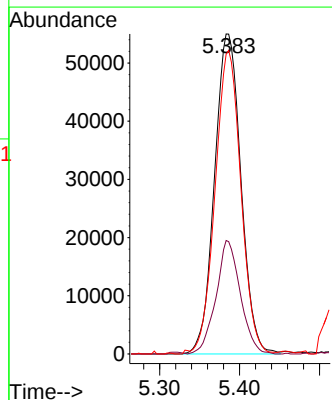
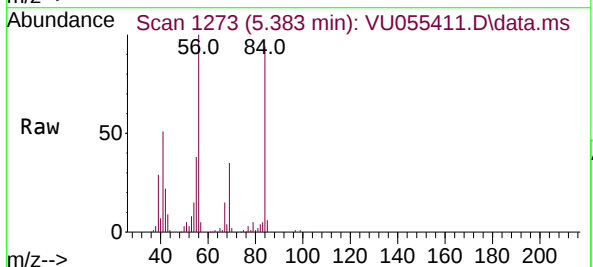
Tgt Ion: 56 Resp: 125872

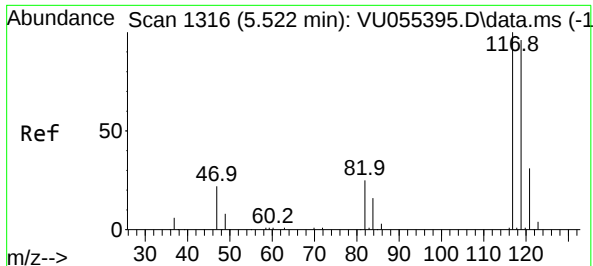
Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

84 92.8 72.6 108.8

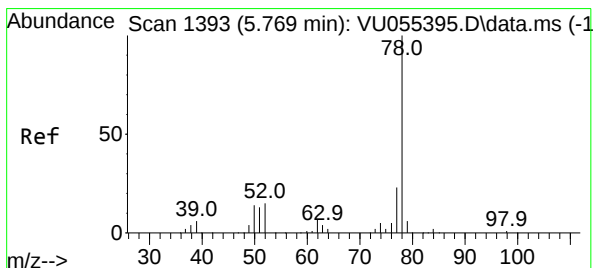
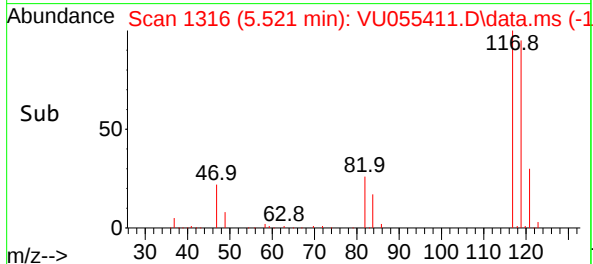
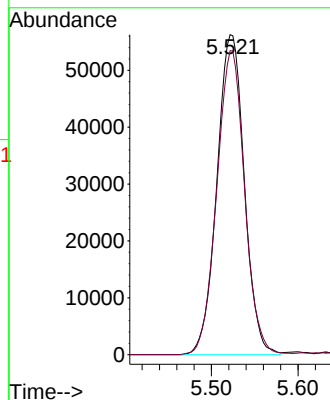
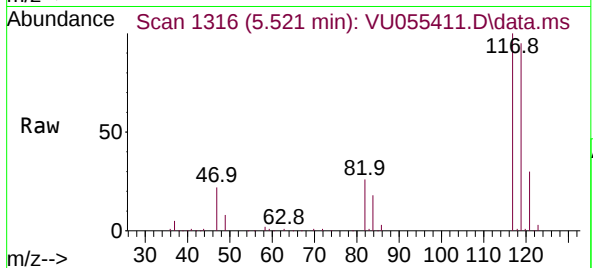




#31
Carbon tetrachloride
Concen: 4.793 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

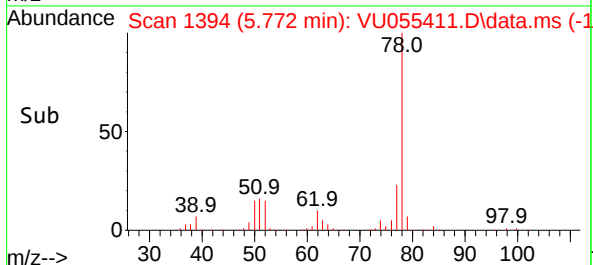
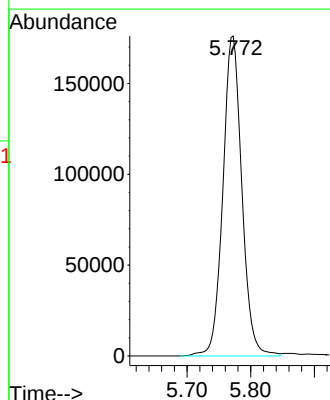
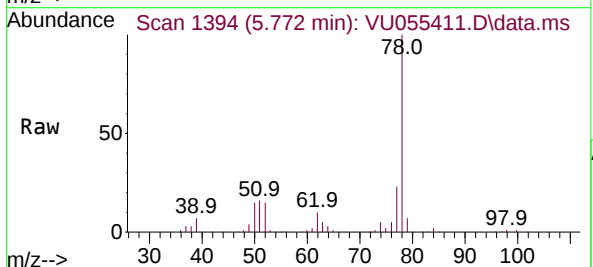
Instrument :
MSVOA_U
ClientSampleId :

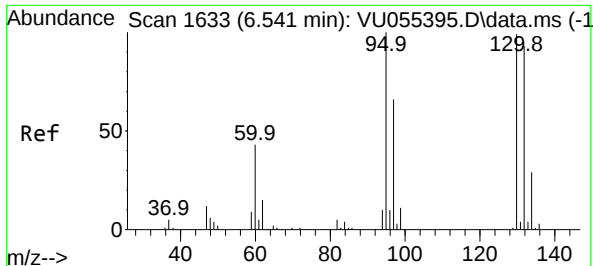
Tgt Ion:117 Resp: 123689
Ion Ratio Lower Upper
117 100
119 96.3 75.2 112.8



#33
Benzene
Concen: 4.800 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

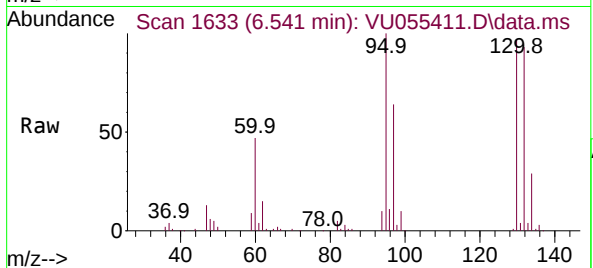
Tgt Ion: 78 Resp: 364802



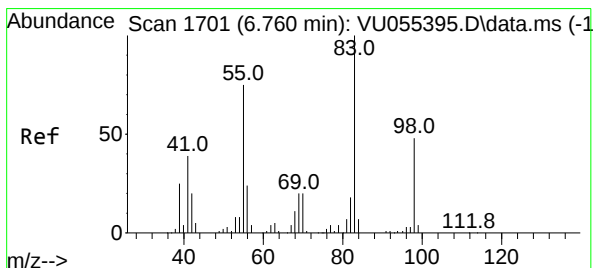
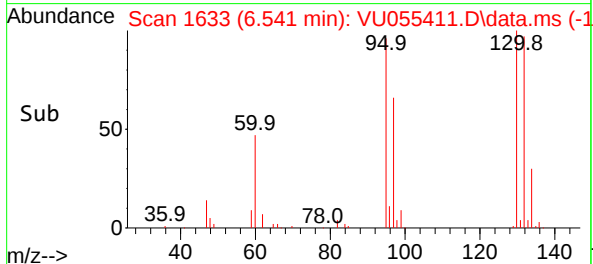
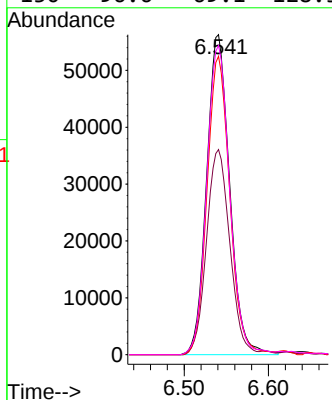


#34
Trichloroethene
Concen: 4.980 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Instrument :
MSVOA_U
ClientSampleId :

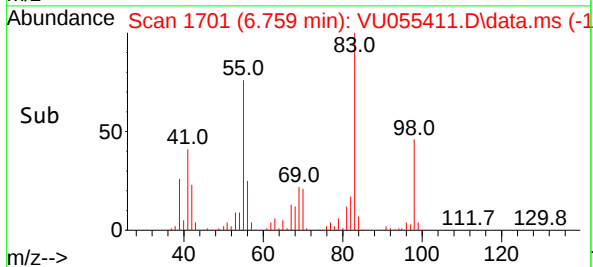
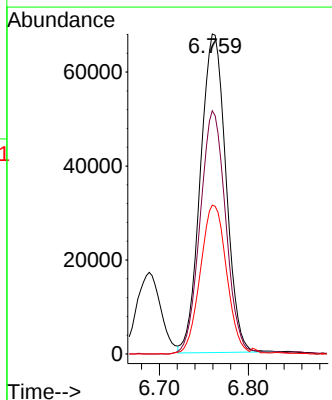
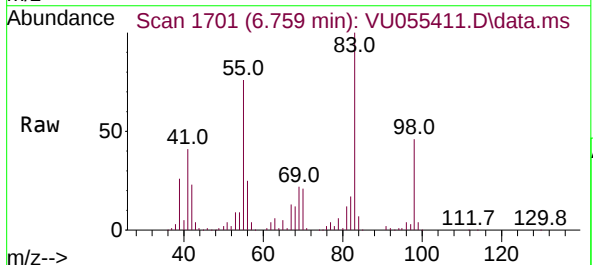


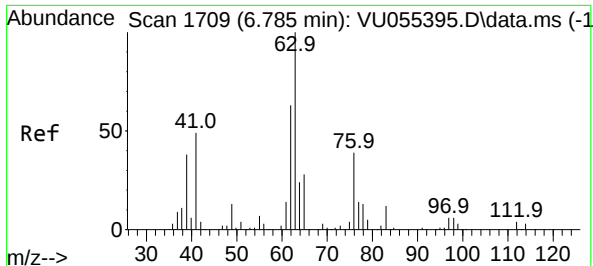
Tgt Ion: 95 Resp: 107067
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.2
132 93.2 65.2 121.2
130 96.6 69.1 128.3



#35
Methylcyclohexane
Concen: 4.356 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion: 83 Resp: 134912
Ion Ratio Lower Upper
83 100
55 76.8 59.1 88.7
98 47.9 36.3 54.5





#37

1,2-Dichloropropane

Concen: 4.672 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

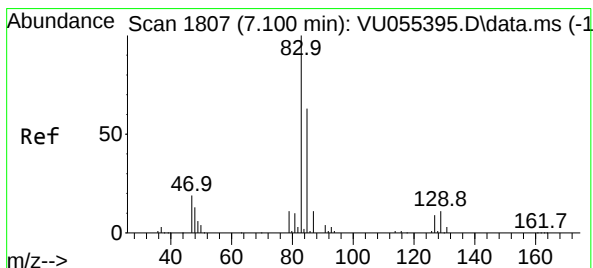
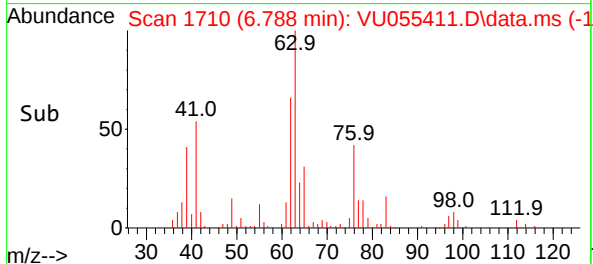
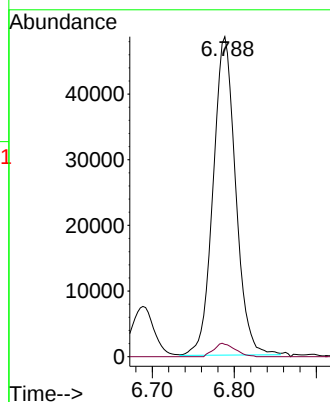
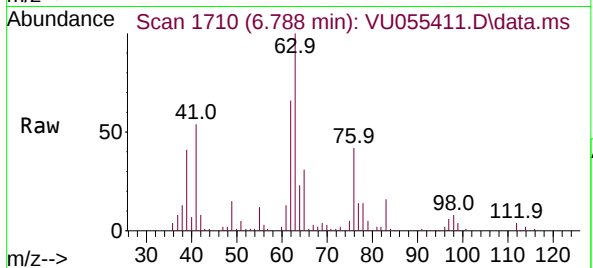
ClientSampleId :

Tgt Ion: 63 Resp: 92875

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 4.955 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

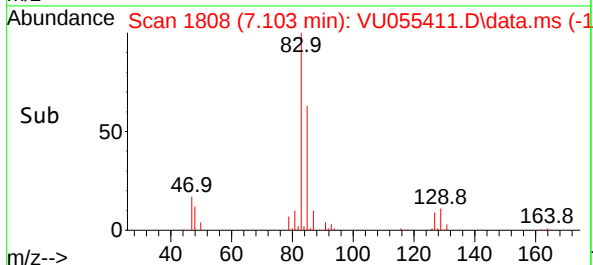
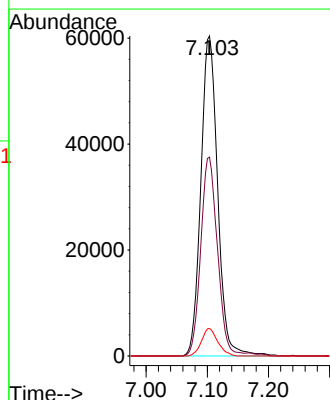
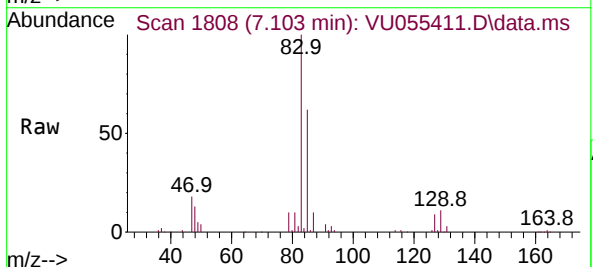
Tgt Ion: 83 Resp: 115414

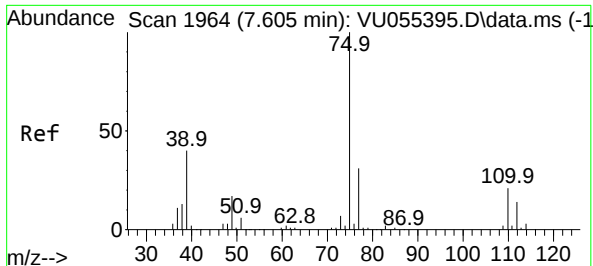
Ion Ratio Lower Upper

83 100

85 62.2 46.8 86.8

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.790 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

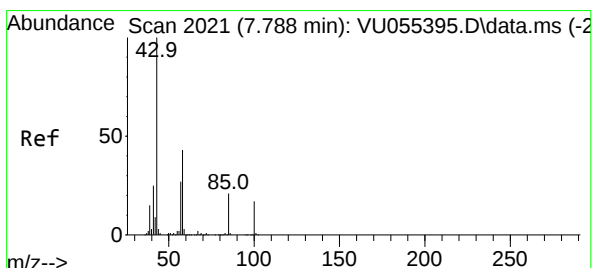
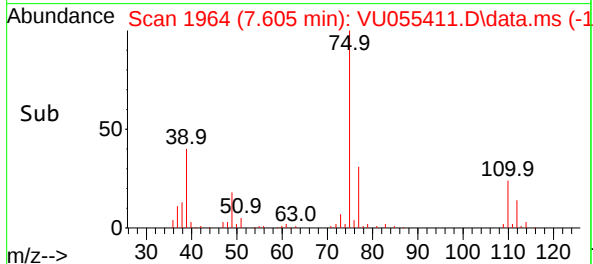
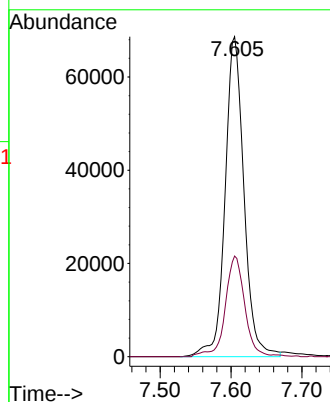
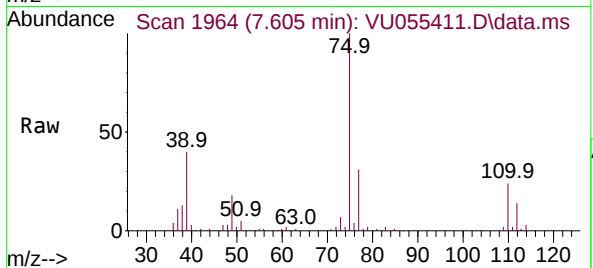
ClientSampleId :

Tgt Ion: 75 Resp: 127096

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 48.582 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

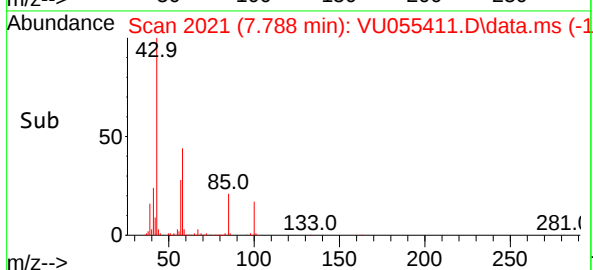
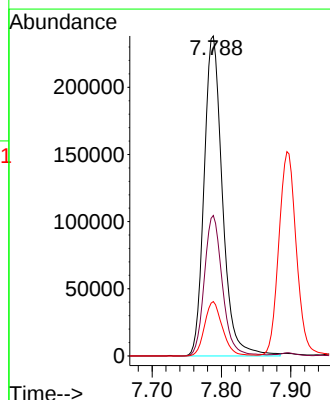
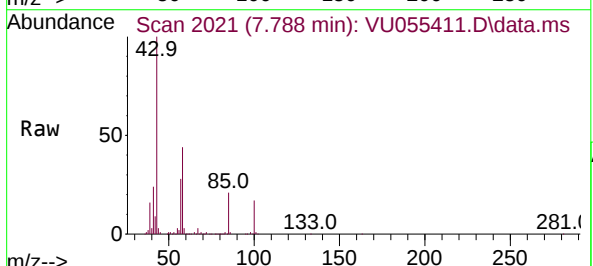
Tgt Ion: 43 Resp: 438065

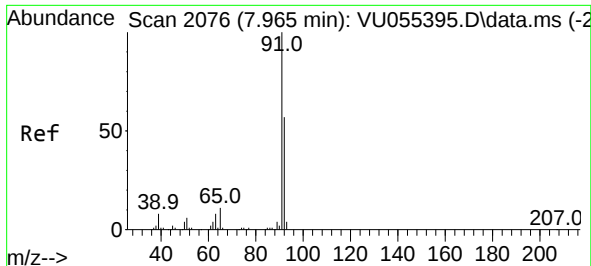
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 16.6 13.4 20.0





#42

Toluene

Concen: 4.834 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

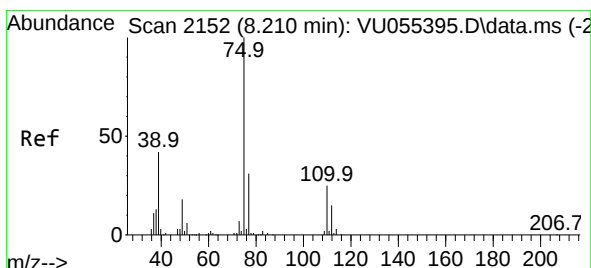
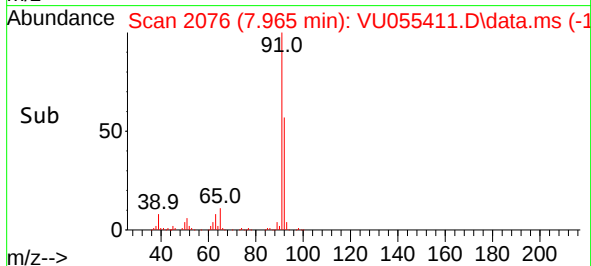
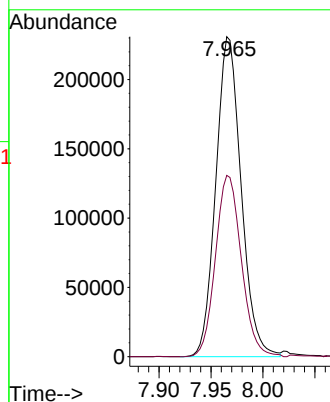
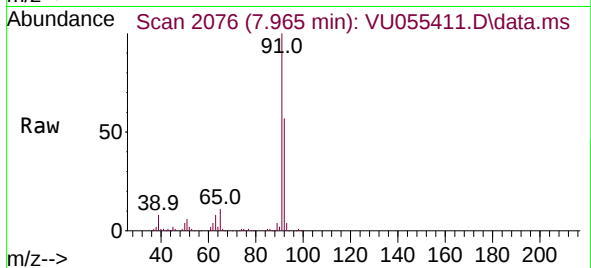
ClientSampleId :

Tgt Ion: 91 Resp: 391884

Ion Ratio Lower Upper

91 100

92 56.6 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.763 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055411.D

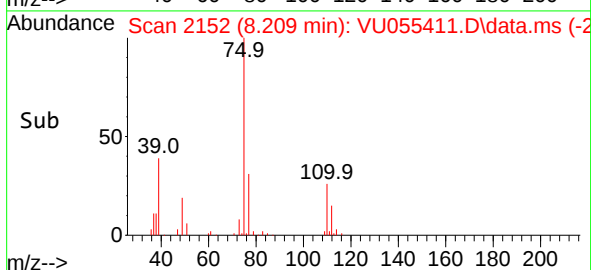
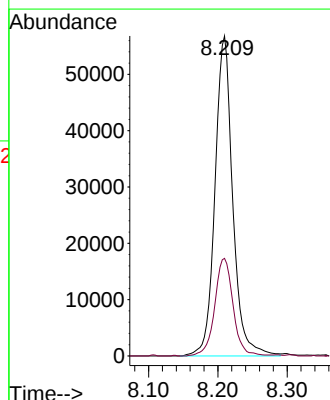
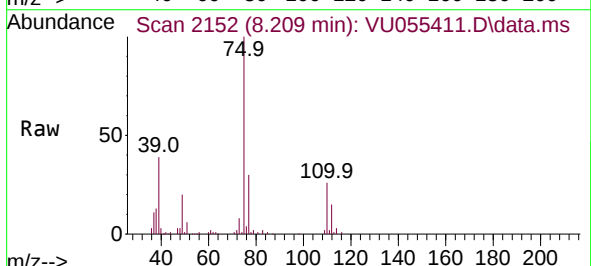
Acq: 19 Sep 2023 23:40

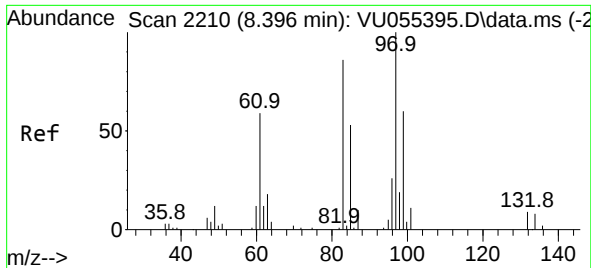
Tgt Ion: 75 Resp: 101112

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.4

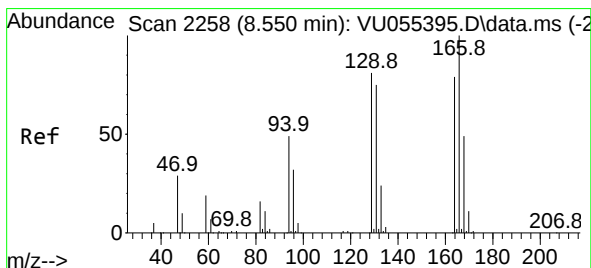
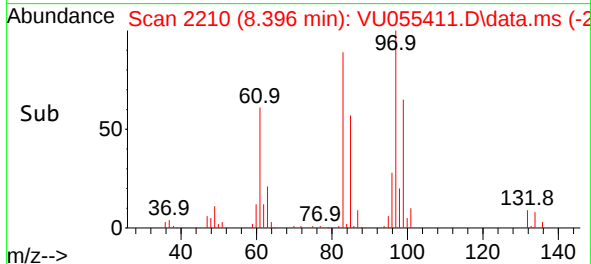
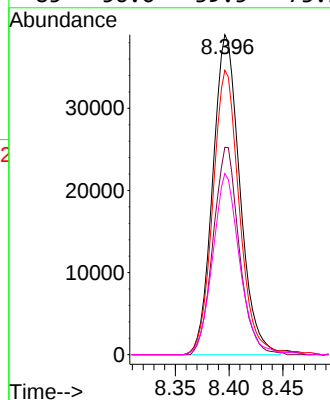
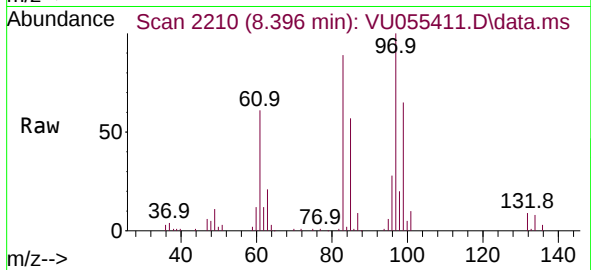




#45
1,1,2-Trichloroethane
Concen: 4.891 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

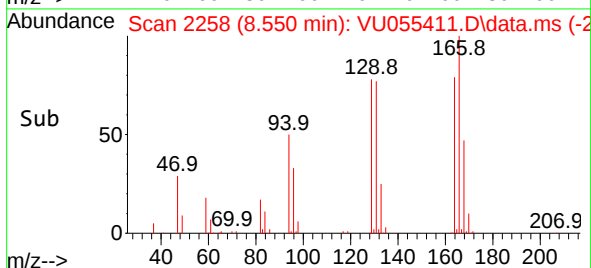
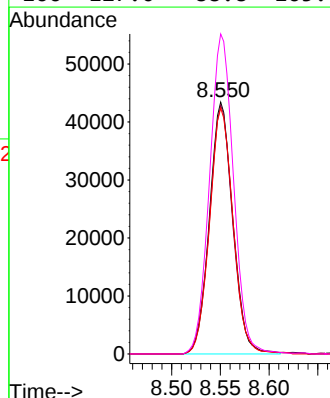
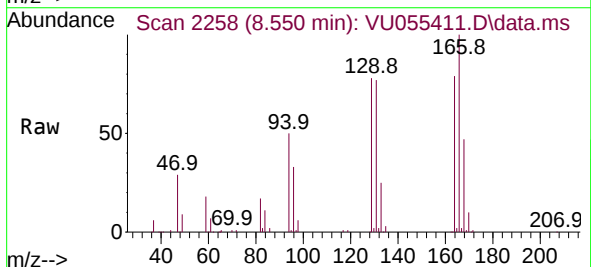
Instrument :
MSVOA_U
ClientSampleId :

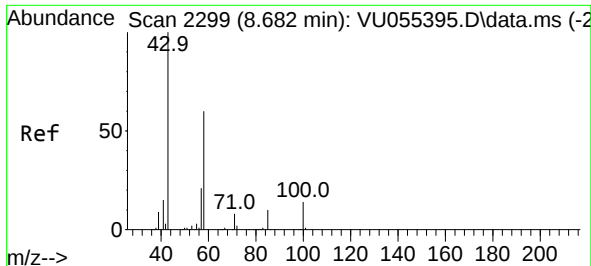
Tgt Ion:	97	Resp:	68172
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.1	81.9
83	88.8	61.5	114.1
85	56.6	39.5	73.3



#47
Tetrachloroethene
Concen: 4.706 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

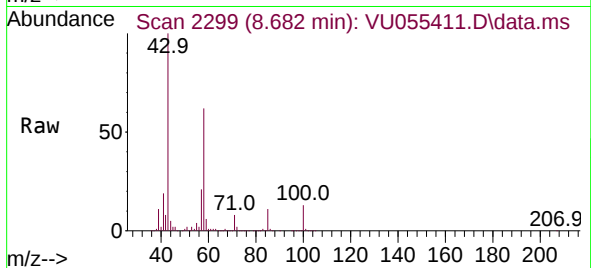
Tgt Ion:	164	Resp:	72585
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.4	125.2
131	97.6	66.4	123.2
166	127.0	88.8	165.0





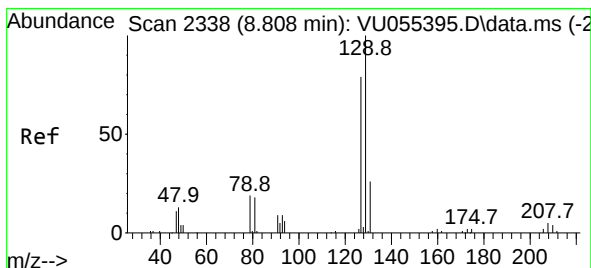
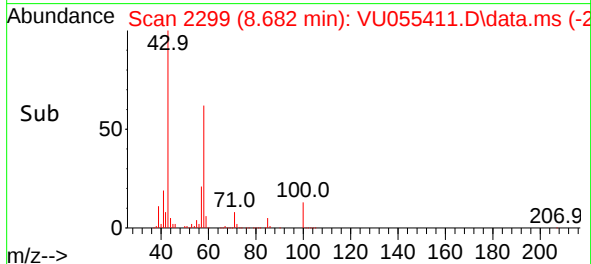
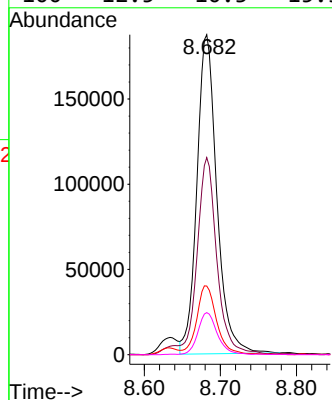
#48
2-Hexanone
Concen: 48.836 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 341287

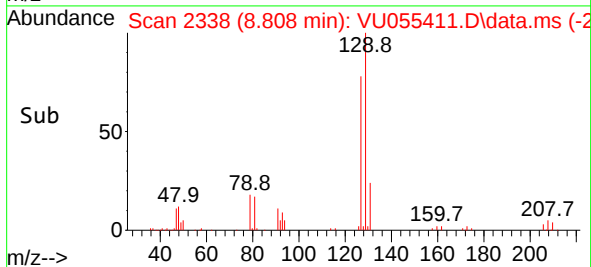
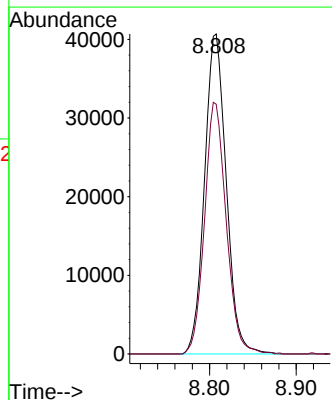
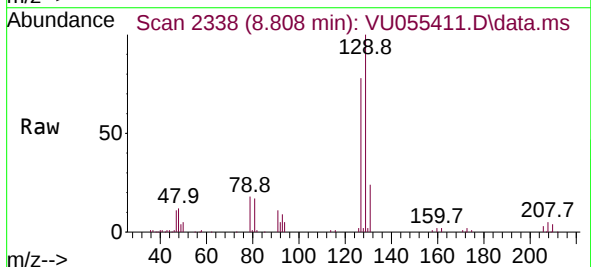
Ion	Ratio	Lower	Upper
43	100		
58	63.0	48.5	72.7
57	20.8	17.0	25.4
100	12.5	10.3	15.5

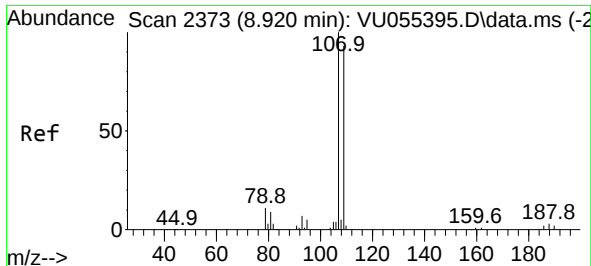


#49
Dibromochloromethane
Concen: 4.845 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion: 129 Resp: 70789

Ion	Ratio	Lower	Upper
129	100		
127	78.1	56.8	105.6





#50

1,2-Dibromoethane

Concen: 4.878 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055411.D

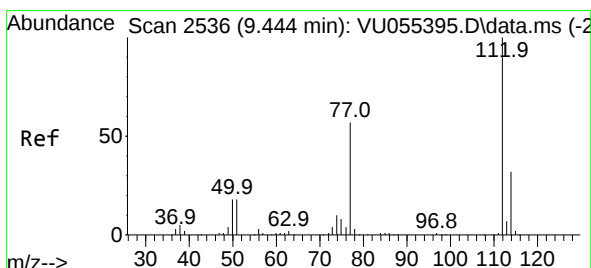
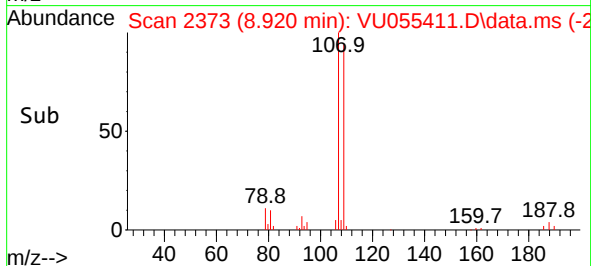
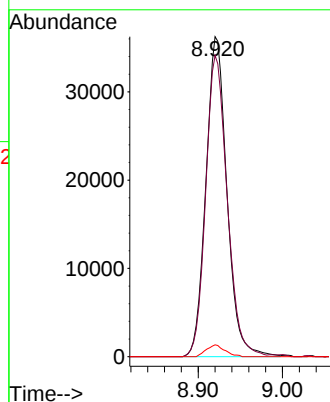
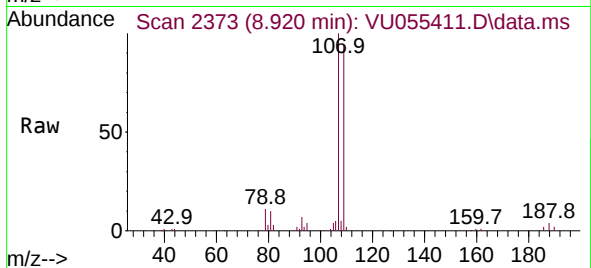
Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	63097
Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.1	122.8
188	3.7	3.2	4.8



#51

Chlorobenzene

Concen: 4.664 ug/L

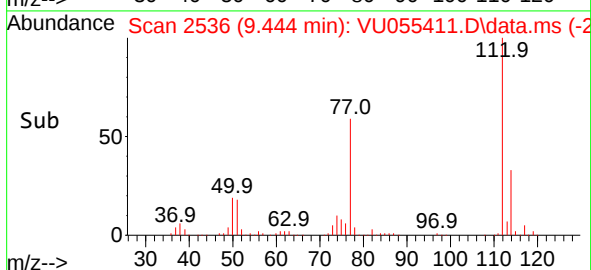
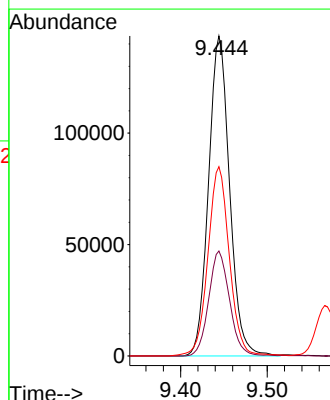
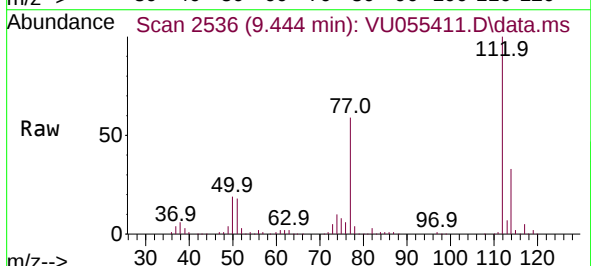
RT: 9.444 min Scan# 2536

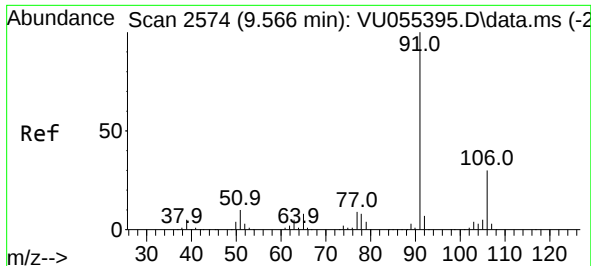
Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Tgt Ion:	112	Resp:	242176
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.0	40.8
77	59.2	46.9	70.3

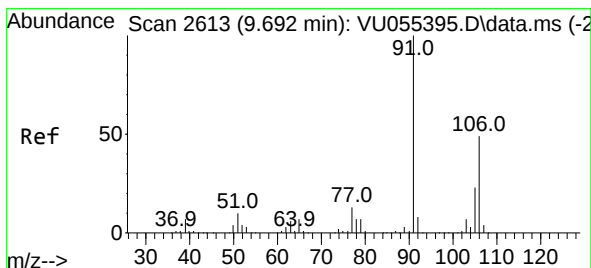
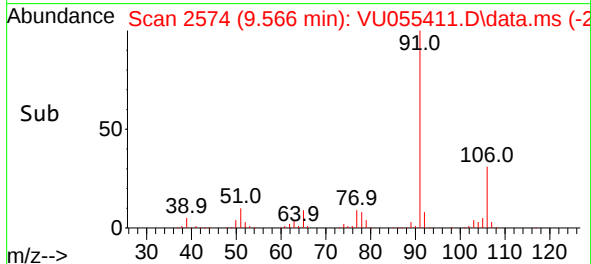
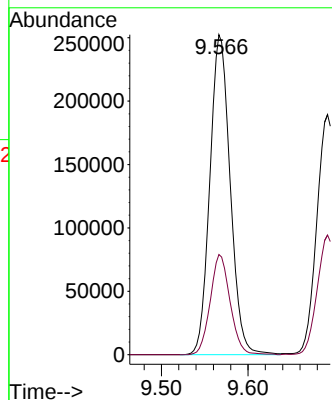
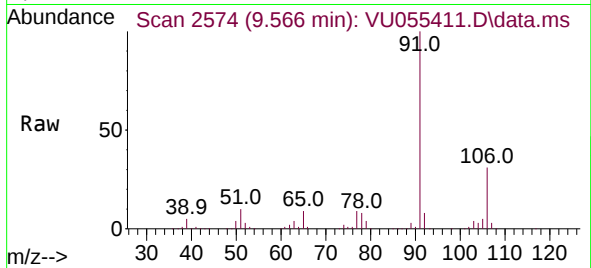




#52
Ethylbenzene
Concen: 4.736 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

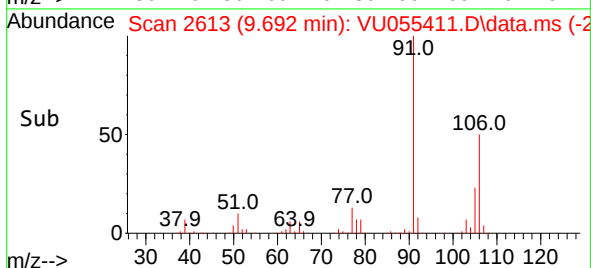
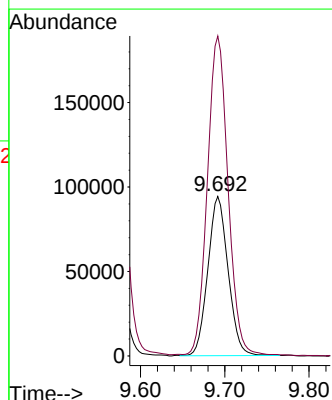
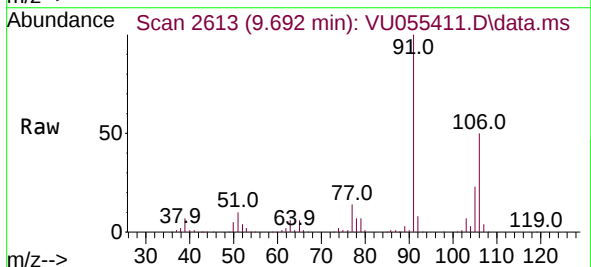
Instrument :
MSVOA_U
ClientSampleId :

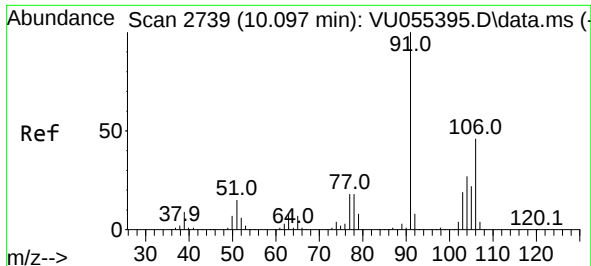
Tgt Ion: 91 Resp: 411655
Ion Ratio Lower Upper
91 100
106 31.3 22.4 41.6



#53
m,p-Xylene
Concen: 4.835 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion: 106 Resp: 157472
Ion Ratio Lower Upper
106 100
91 200.5 144.8 269.0

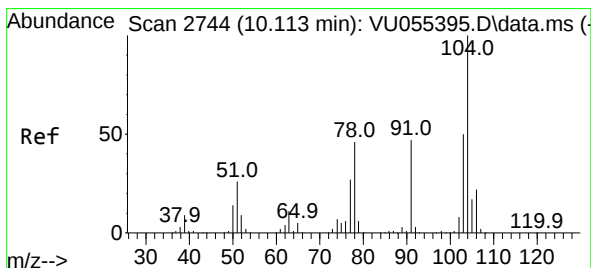
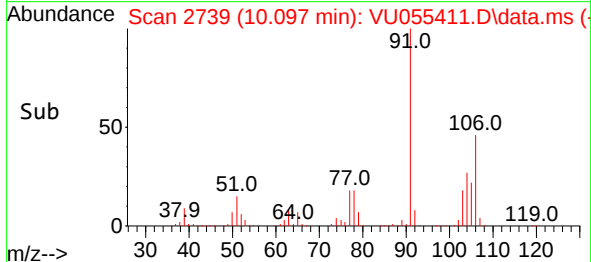
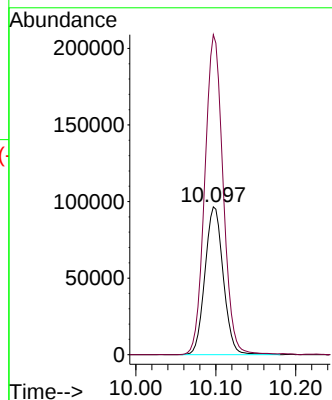
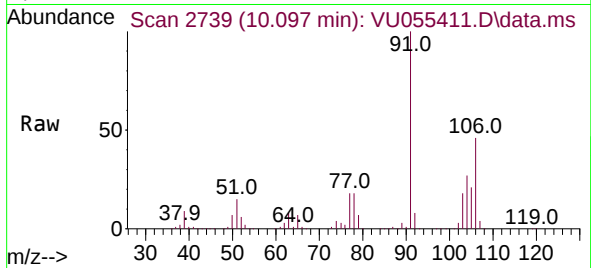




#54
o-Xylene
Concen: 4.852 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

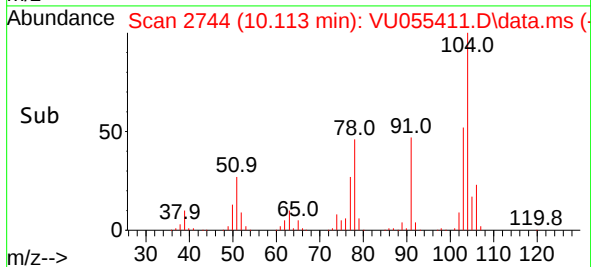
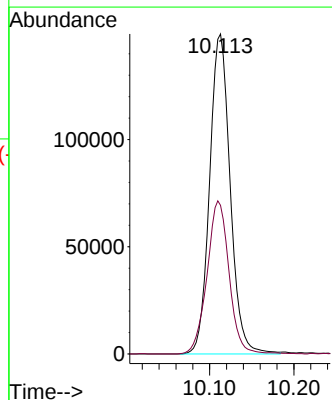
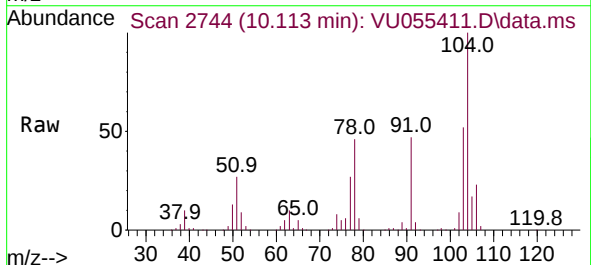
Instrument :
MSVOA_U
ClientSampleId :

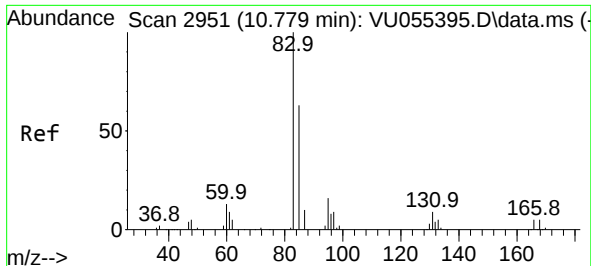
Tgt Ion:106 Resp: 153659
Ion Ratio Lower Upper
106 100
91 216.5 157.6 292.8



#55
Styrene
Concen: 4.950 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion:104 Resp: 253467
Ion Ratio Lower Upper
104 100
78 46.4 31.2 58.0





#57

1,1,2-Tetrachloroethane

Concen: 4.756 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

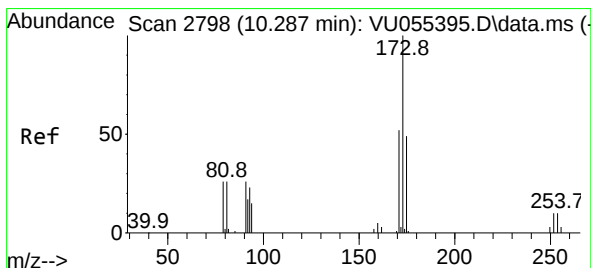
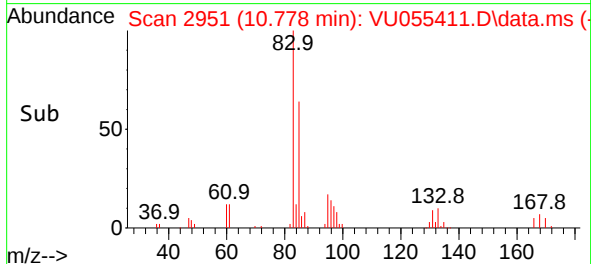
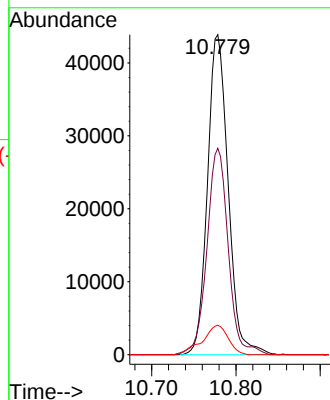
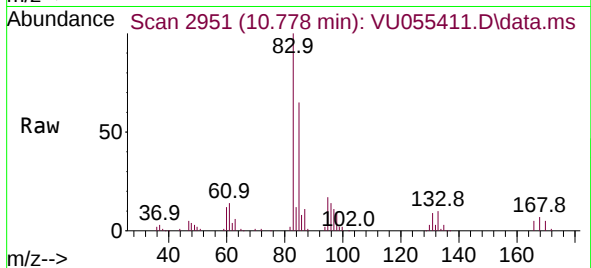
Tgt Ion: 83 Resp: 74826

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

131 9.2 7.4 11.2



#59

Bromoform

Concen: 4.863 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

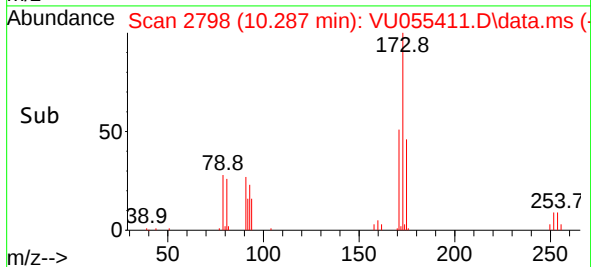
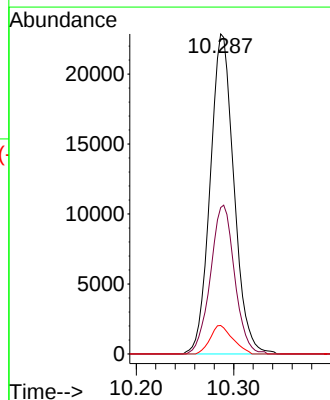
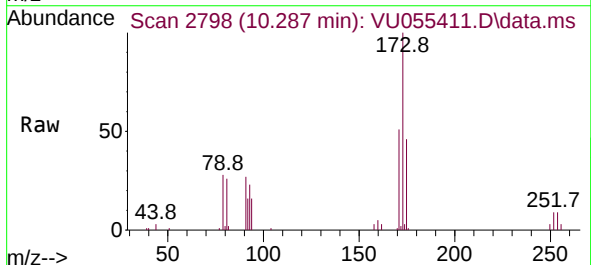
Tgt Ion:173 Resp: 38665

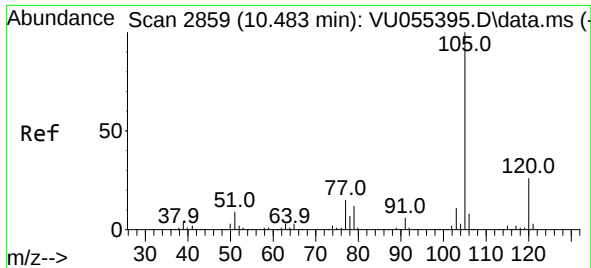
Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.2

254 8.4 7.3 10.9

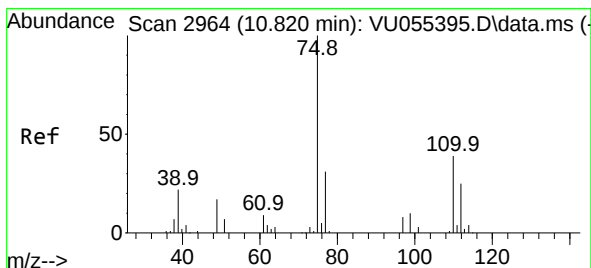
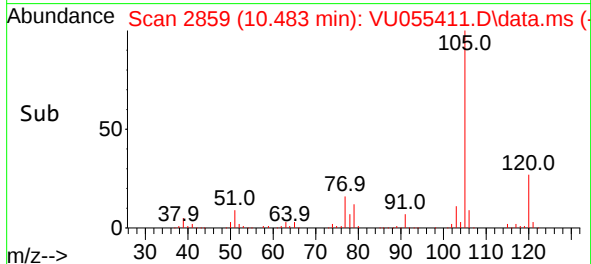
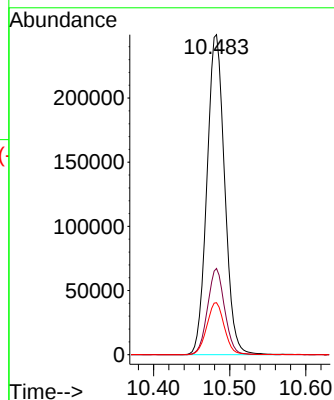
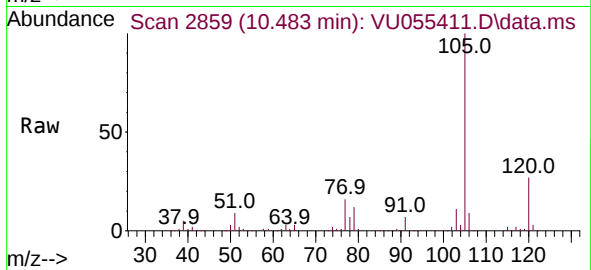




#60
Isopropylbenzene
Concen: 4.713 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

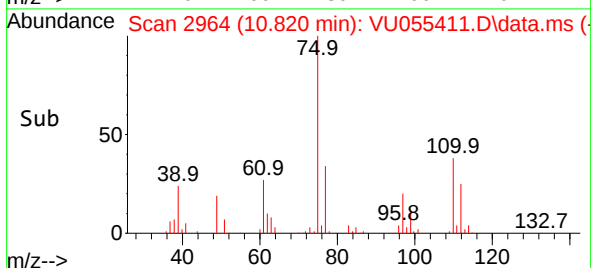
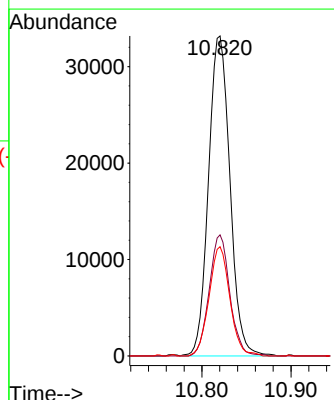
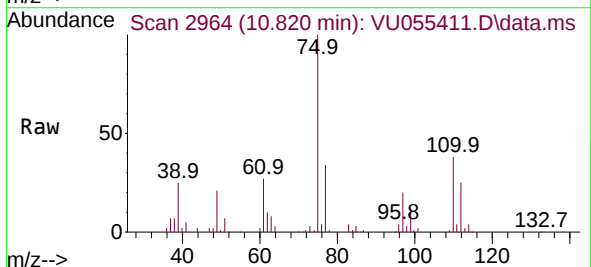
Instrument :
MSVOA_U
ClientSampleId :

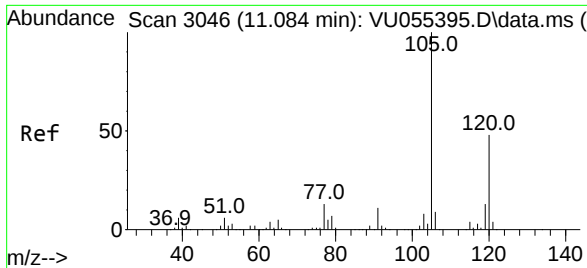
Tgt Ion:105 Resp: 402923
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.784 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

Tgt Ion: 75 Resp: 55406
Ion Ratio Lower Upper
75 100
110 36.3 30.6 45.8
77 33.1 26.7 40.1

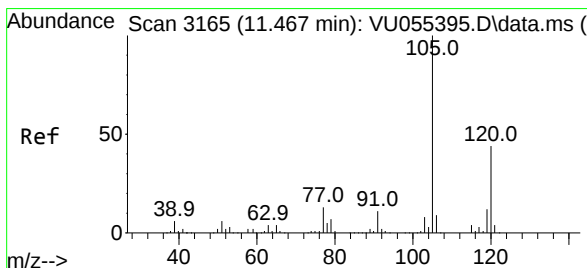
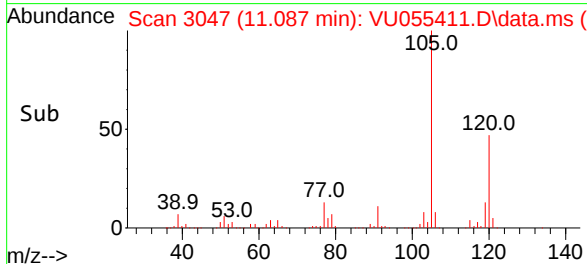
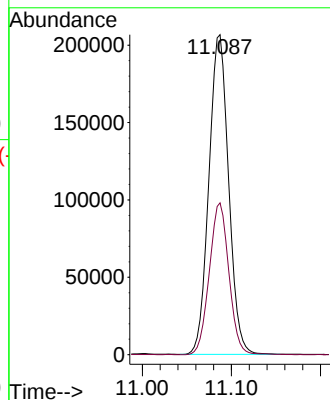
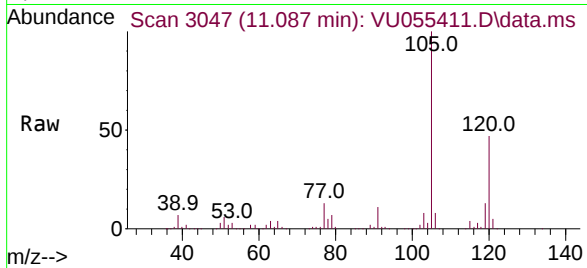




#62
 1,3,5-Trimethylbenzene
 Concen: 4.641 ug/L
 RT: 11.087 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

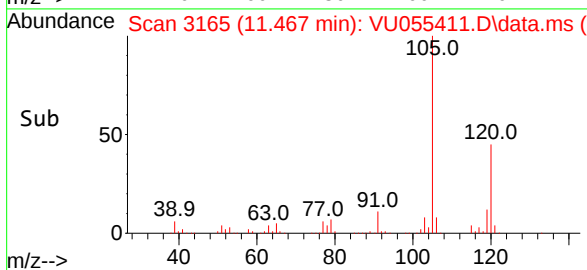
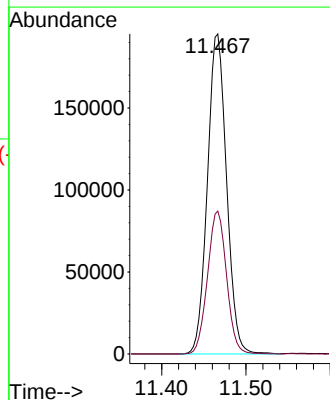
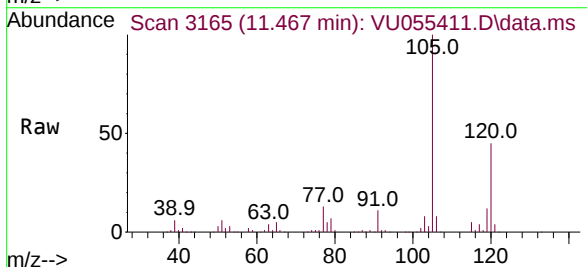
Instrument :
 MSVOA_U
 ClientSampleId :

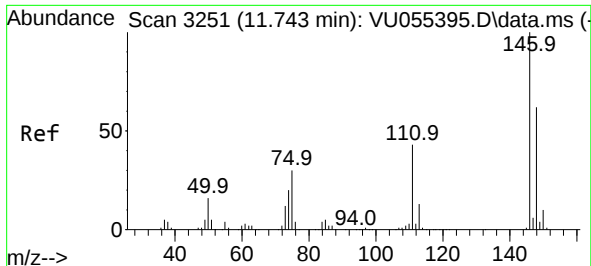
Tgt Ion:105 Resp: 317300
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.613 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VU055411.D
 Acq: 19 Sep 2023 23:40

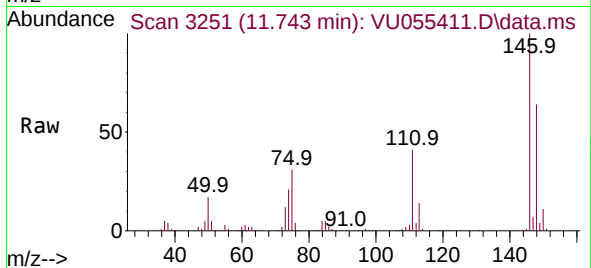
Tgt Ion:105 Resp: 308727
 Ion Ratio Lower Upper
 105 100
 120 44.4 34.9 52.3



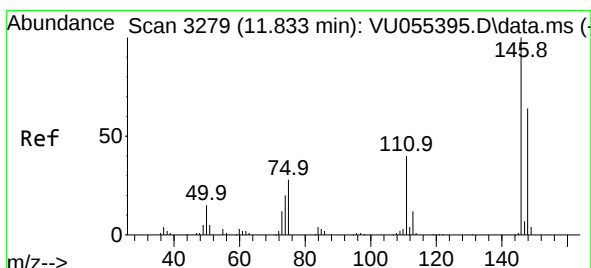
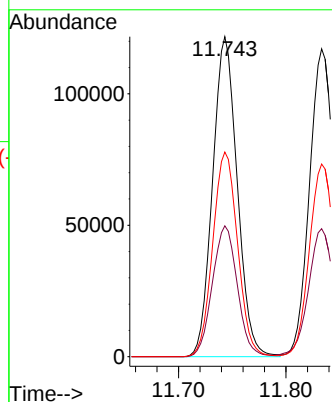
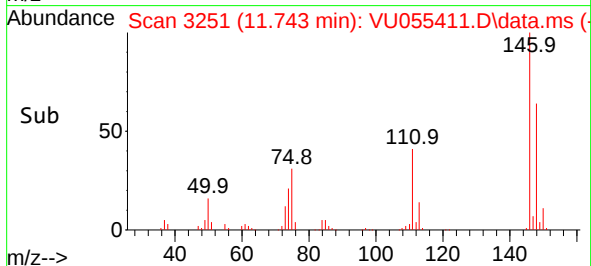


#64
1,3-Dichlorobenzene
Concen: 4.733 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40

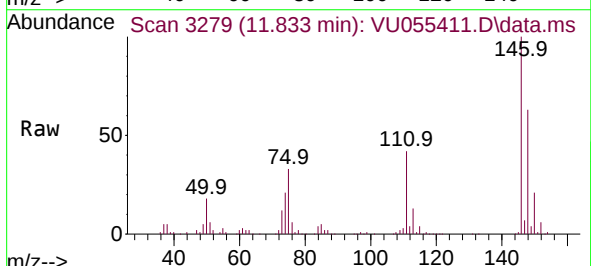
Instrument :
MSVOA_U
ClientSampleId :



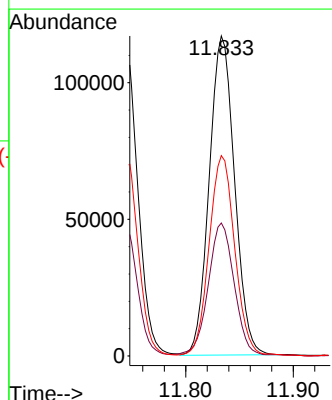
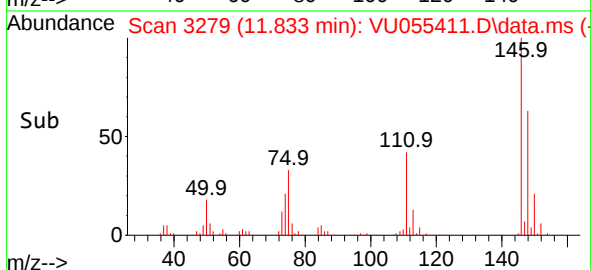
Tgt Ion:146 Resp: 193745
Ion Ratio Lower Upper
146 100
111 40.9 28.8 53.6
148 64.0 44.6 82.8

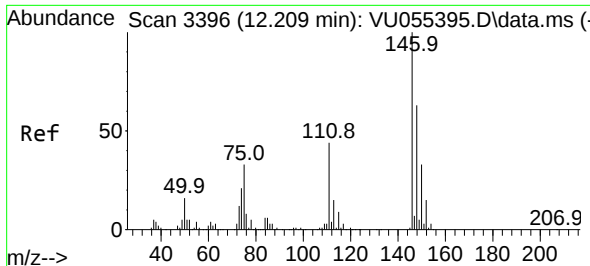


#65
1,4-Dichlorobenzene
Concen: 4.678 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055411.D
Acq: 19 Sep 2023 23:40



Tgt Ion:146 Resp: 191401
Ion Ratio Lower Upper
146 100
111 41.6 29.0 53.8
148 62.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.786 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

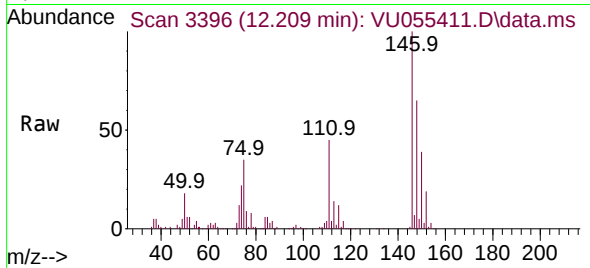
Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :



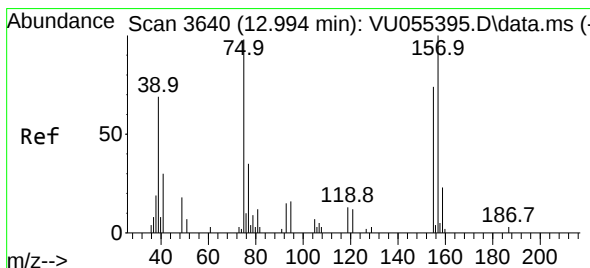
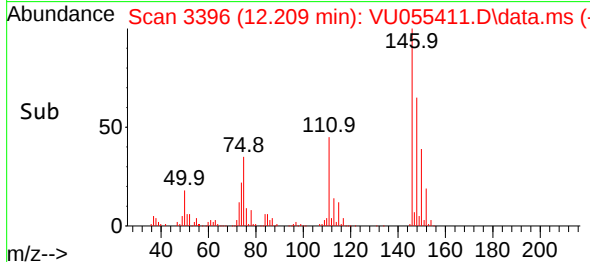
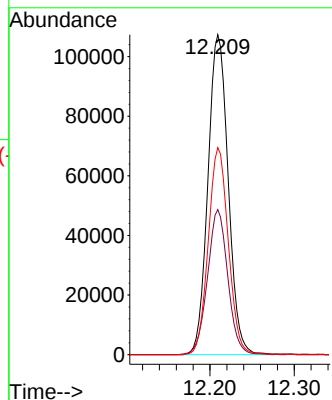
Tgt Ion:146 Resp: 179631

Ion Ratio Lower Upper

146 100

111 45.4 34.6 52.0

148 64.7 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.941 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

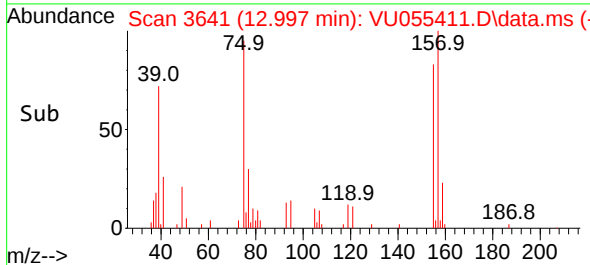
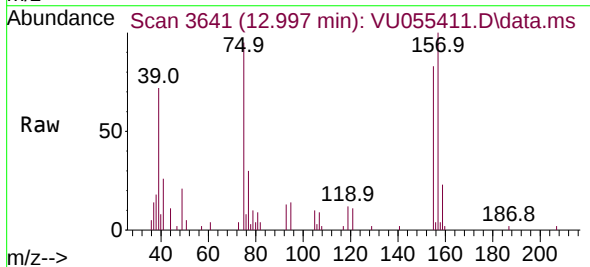
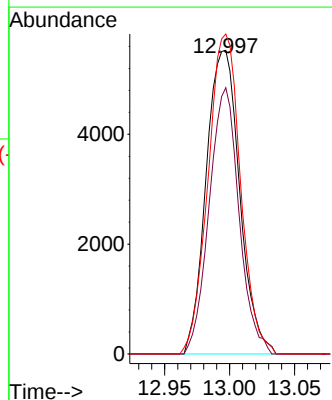
Tgt Ion: 75 Resp: 9918

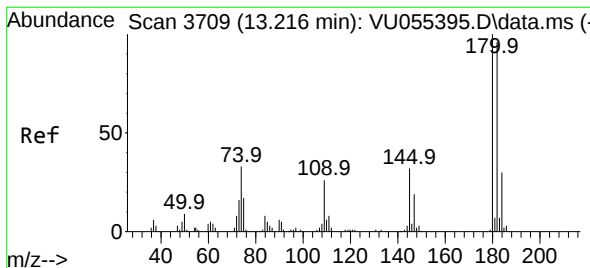
Ion Ratio Lower Upper

75 100

155 87.7 69.2 103.8

157 105.4 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 4.468 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

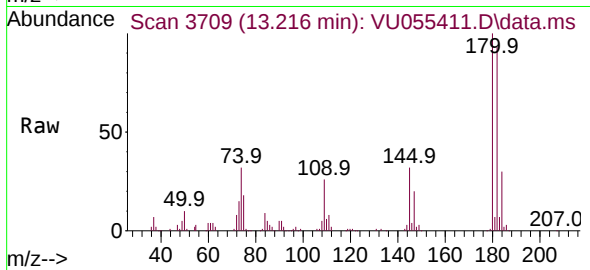
Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 125963

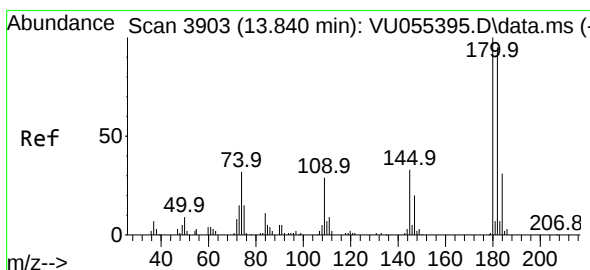
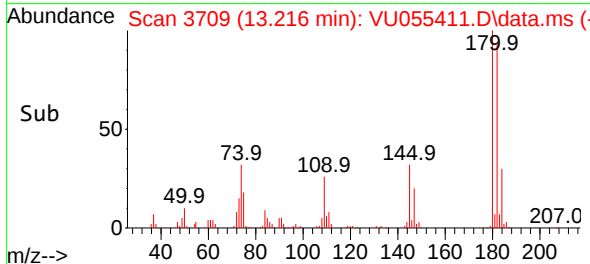
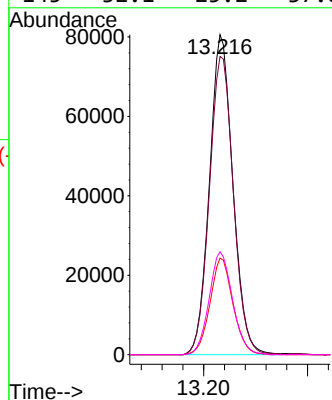
Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

184 29.6 24.0 36.0

145 32.1 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.522 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

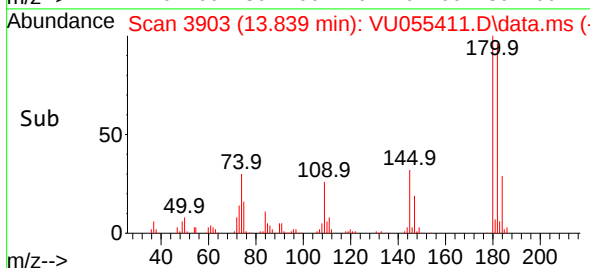
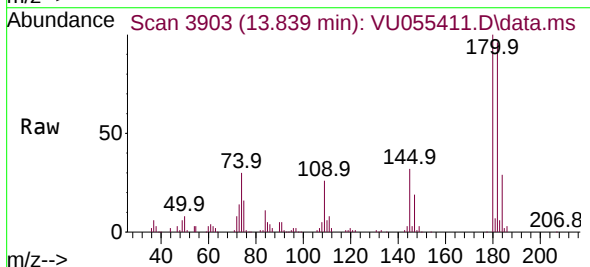
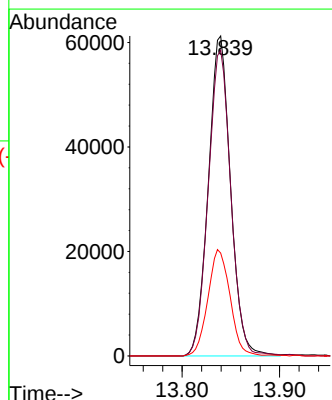
Tgt Ion:180 Resp: 97193

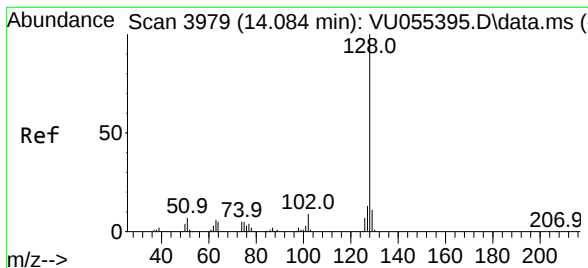
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 33.1 25.4 38.0





#71

Naphthalene

Concen: 4.231 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Instrument :

MSVOA_U

ClientSampleId :

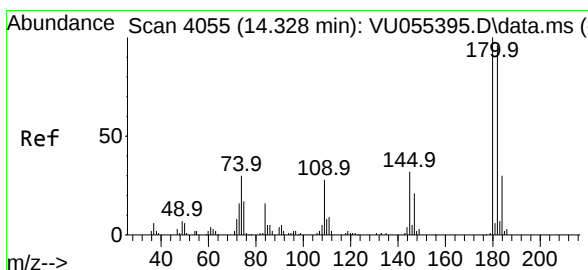
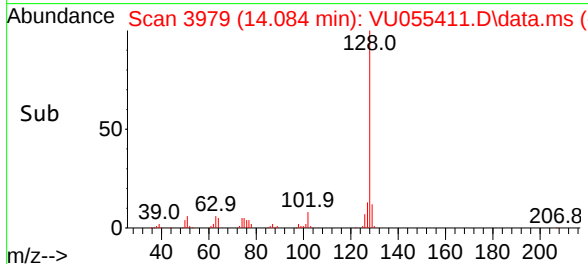
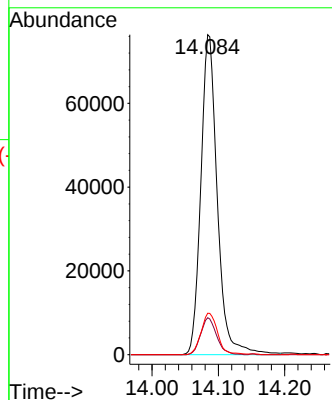
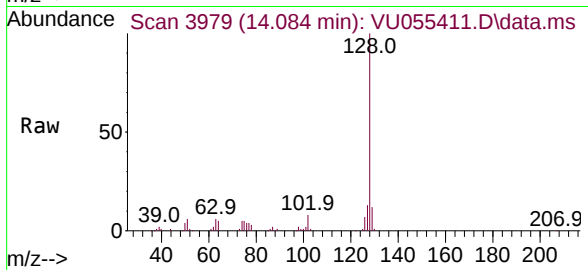
Tgt Ion:128 Resp: 131639

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

127 13.1 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.437 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.000 min

Lab File: VU055411.D

Acq: 19 Sep 2023 23:40

Tgt Ion:180 Resp: 82974

Ion Ratio Lower Upper

180 100

182 97.1 76.2 114.4

145 33.7 26.0 39.0

