

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055393.D
 Acq On : 19 Sep 2023 15:25
 Operator : MD/SY
 Sample : VSTD02065
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 05:26:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 05:24:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	277799	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	291521	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	171358	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	569744	31.400	ug/L	0.00
7) Chloroethane-d5	1.907	69	557076	29.457	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	240259	35.229	ug/L	0.00
20) 2-Butanone-d5	4.631	46	1138831	253.212	ug/L	0.00
24) Chloroform-d	5.055	84	1062607	27.761	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	506053	26.490	ug/L	0.00
32) Benzene-d6	5.721	84	2159924	31.318	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	632290	27.993	ug/L	0.00
41) Toluene-d8	7.894	98	2023326	33.353	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	254820	31.534	ug/L	0.00
46) 2-Hexanone-d5	8.647	63	884360	320.867	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.759	84	502030	26.608	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	716688	29.468	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	522723	19.774	ug/L	100
3) Chloromethane	1.518	50	444048	17.897	ug/L	99
5) Vinyl chloride	1.602	62	502145	18.635	ug/L	99
6) Bromomethane	1.856	94	309763	15.502	ug/L	98
8) Chloroethane	1.927	64	369807	17.713	ug/L	98
9) Trichlorofluoromethane	2.120	101	804842	19.337	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	431125	19.852	ug/L	99
12) 1,1-Dichloroethene	2.567	96	397987	20.499	ug/L	96
13) Acetone	2.644	43	553398	195.066	ug/L	99
14) Carbon disulfide	2.779	76	1186898	19.604	ug/L	99
15) Methyl Acetate	2.949	43	129428	19.366	ug/L	99
16) Methylene chloride	3.033	84	423448	14.779	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	889725	19.519	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	397202	18.938	ug/L	98
19) 1,1-Dichloroethane	3.859	63	721929	17.891	ug/L	99
21) 2-Butanone	4.711	43	891833	194.158	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	451144	18.434	ug/L	98
23) Bromochloromethane	4.965	128	186297	18.620	ug/L	99
25) Chloroform	5.081	83	758787	17.341	ug/L	97
27) 1,2-Dichloroethane	5.788	62	458900	16.996	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	666422	18.475	ug/L	99
30) Cyclohexane	5.380	56	660782	19.613	ug/L	99
31) Carbon tetrachloride	5.518	117	581265	18.772	ug/L	98
33) Benzene	5.769	78	1690455	18.090	ug/L	100
34) Trichloroethene	6.538	95	459670	17.295	ug/L	98
35) Methylcyclohexane	6.759	83	754640	19.629	ug/L	98
37) 1,2-Dichloropropane	6.785	63	431429	17.736	ug/L	100
38) Bromodichloromethane	7.100	83	521832	17.846	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	661477	19.749	ug/L	98
40) 4-Methyl-2-pentanone	7.795	43	2136339	185.337	ug/L	98
42) Toluene	7.965	91	1852628	18.232	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	534163	20.343	ug/L	98

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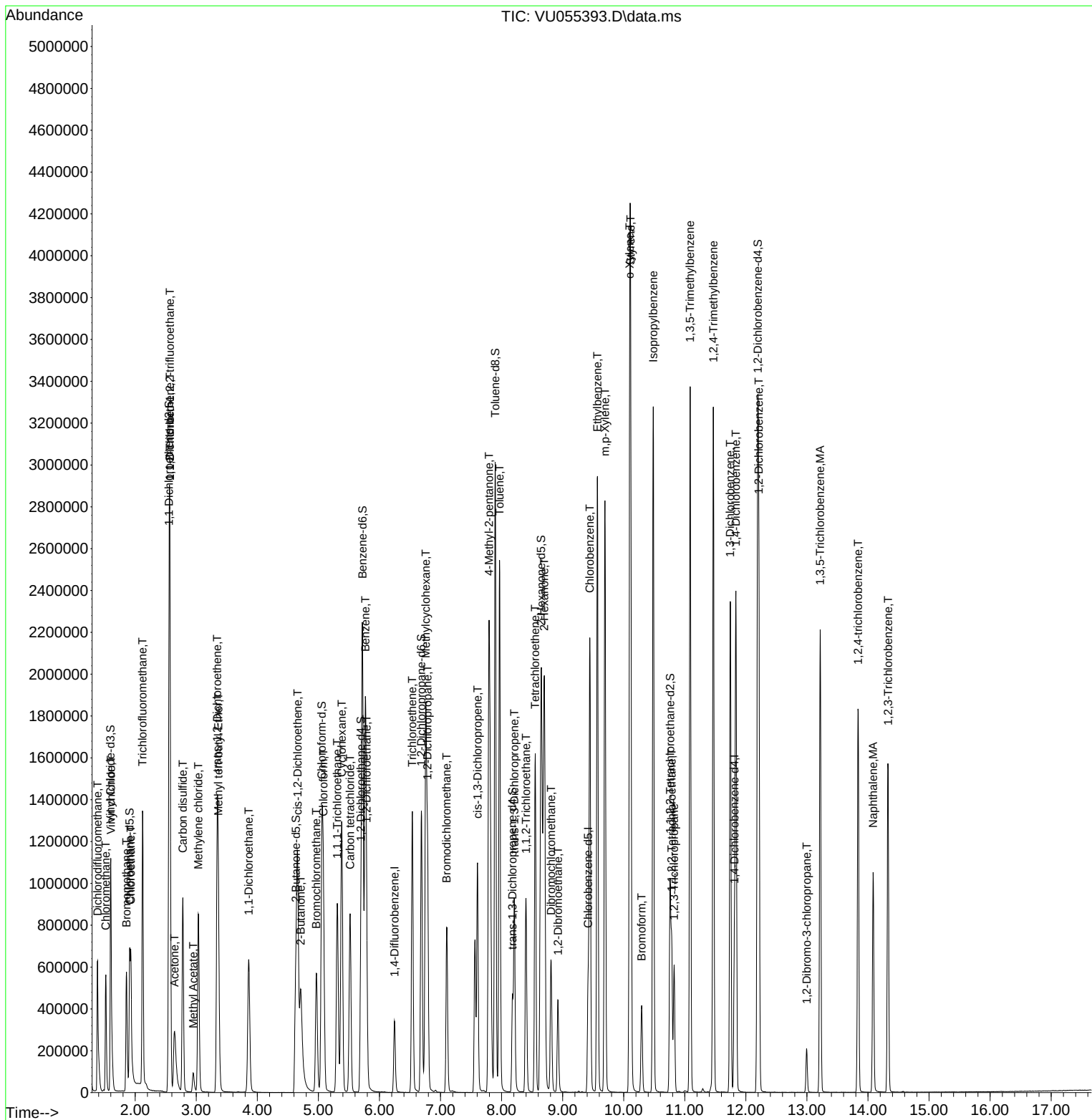
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 MSVOA_U
 ClientSampleId :

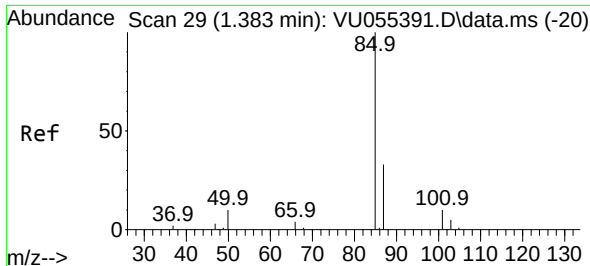
Quant Time: Sep 20 05:26:53 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 05:24:22 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.399	97	304383	17.768	ug/L	99
47) Tetrachloroethene	8.550	164	344875	18.596	ug/L	99
48) 2-Hexanone	8.698	43	1718624	197.955	ug/L	99
49) Dibromochloromethane	8.808	129	347889	19.865	ug/L	95
50) 1,2-Dibromoethane	8.923	107	294298	18.602	ug/L	99
51) Chlorobenzene	9.444	112	1167234	17.807	ug/L	100
52) Ethylbenzene	9.570	91	2096289	18.924	ug/L	98
53) m,p-Xylene	9.692	106	812048	19.407	ug/L	99
54) o-Xylene	10.097	106	789019	19.921	ug/L	96
55) Styrene	10.113	104	1359992	20.474	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.785	83	359245	19.102	ug/L	99
59) Bromoform	10.293	173	194519	19.802	ug/L	99
60) Isopropylbenzene	10.483	105	2143231	17.963	ug/L	100
61) 1,2,3-Trichloropropane	10.824	75	256070	15.983	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	1807282	19.628	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	1783755	19.175	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	952153	17.144	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	943576	17.431	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	865003	17.374	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	52072	18.968	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	661960	17.388	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	528586	17.944	ug/L	99
71) Naphthalene	14.084	128	834054	19.643	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	464005	18.060	ug/L	99

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

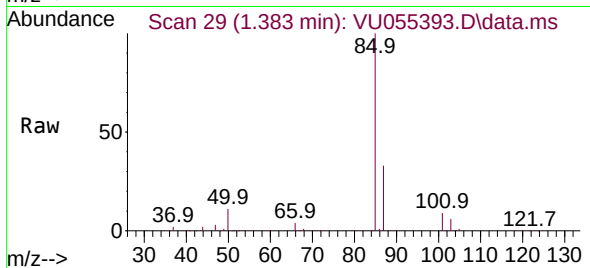
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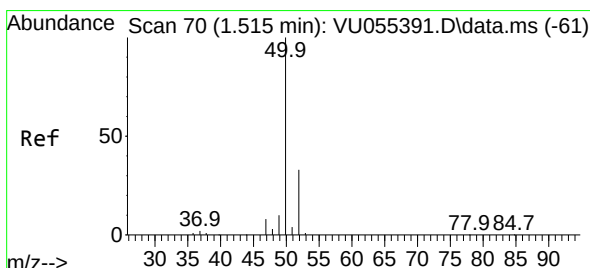
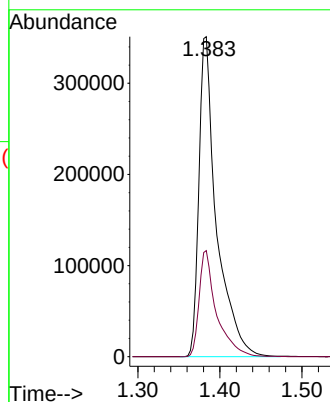
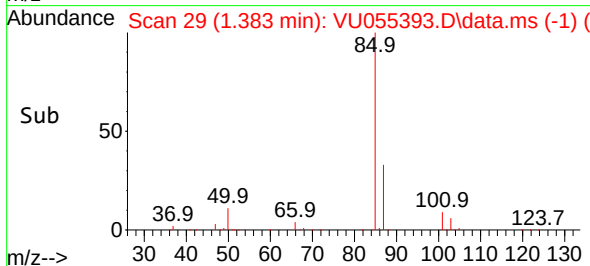


#2
 Dichlorodifluoromethane
 Concen: 19.774 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

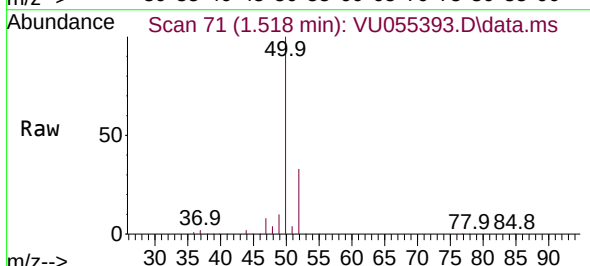
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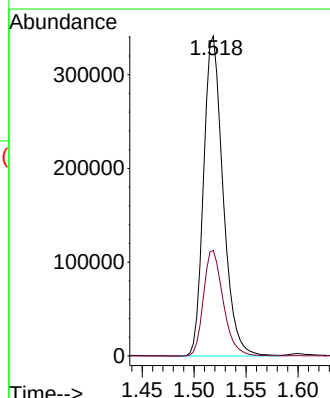
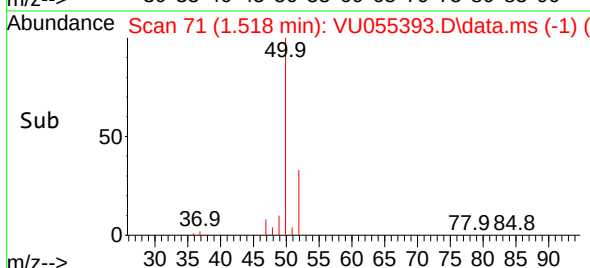
Tgt Ion: 85 Resp: 522723
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0

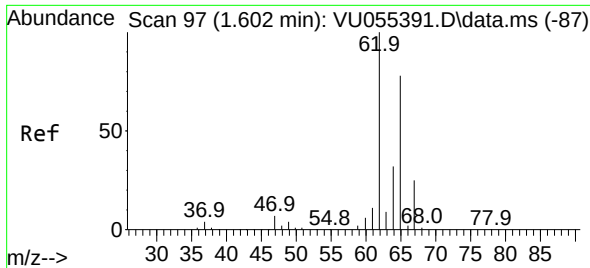


#3
 Chloromethane
 Concen: 17.897 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25



Tgt Ion: 50 Resp: 444048
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.9 42.5

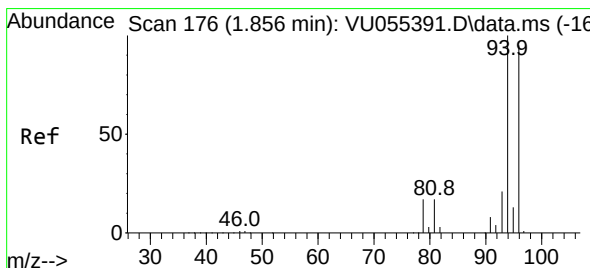
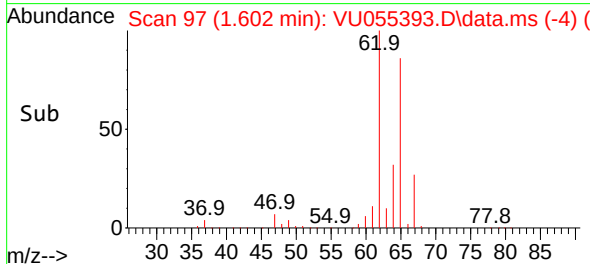
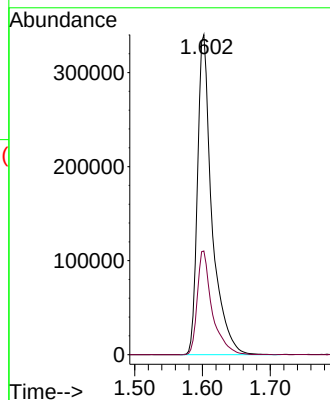
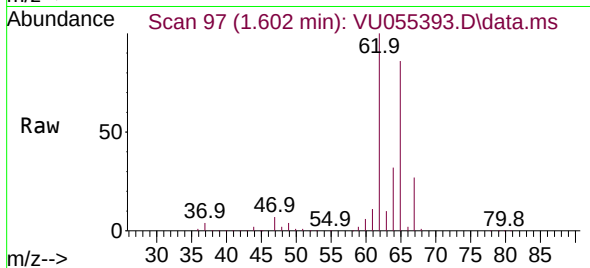




#5
 Vinyl chloride
 Concen: 18.635 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

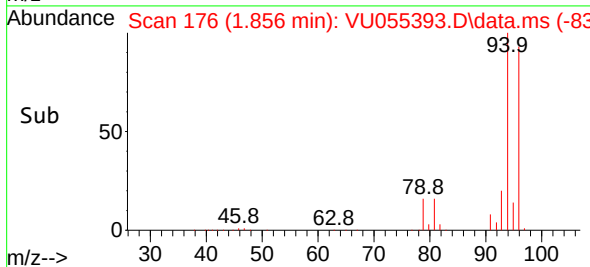
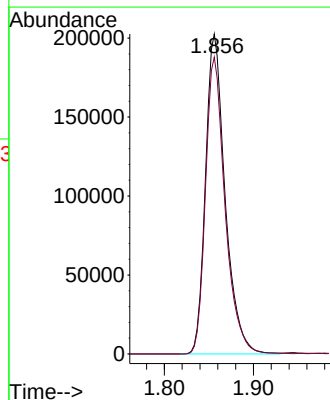
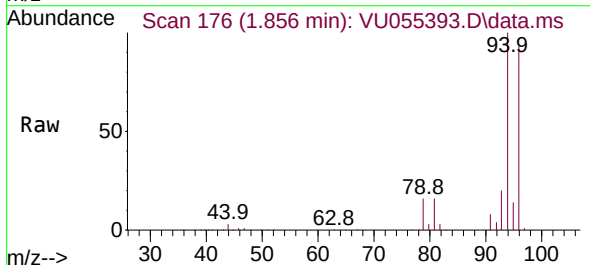
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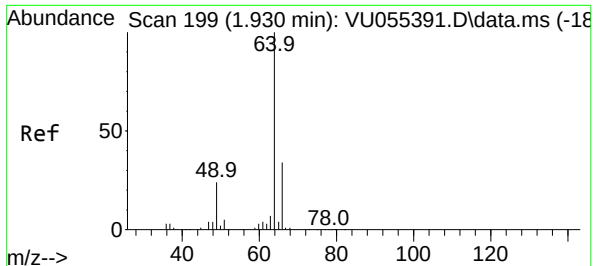
Tgt Ion: 62 Resp: 502145
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.3 41.5



#6
 Bromomethane
 Concen: 15.502 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

Tgt Ion: 94 Resp: 309763
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.4 123.2

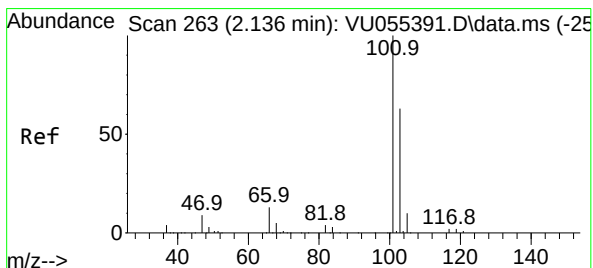
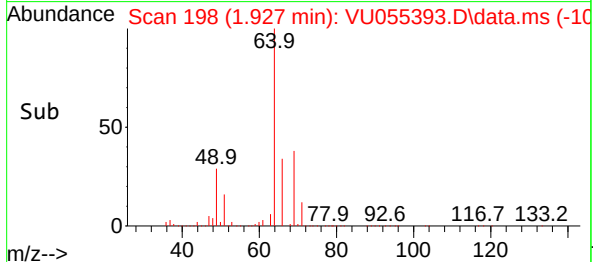
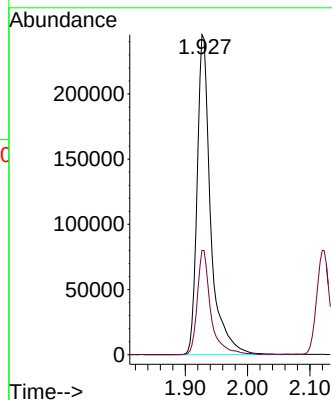
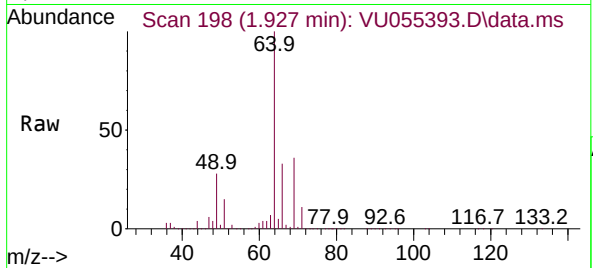




#8
Chloroethane
Concen: 17.713 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

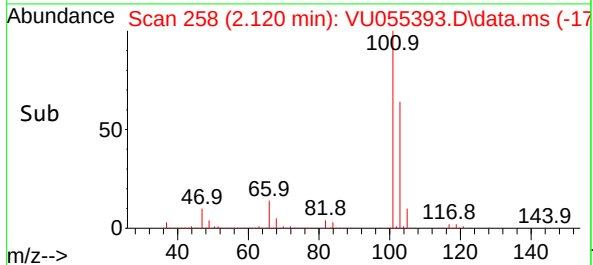
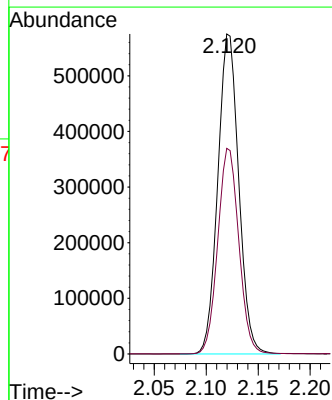
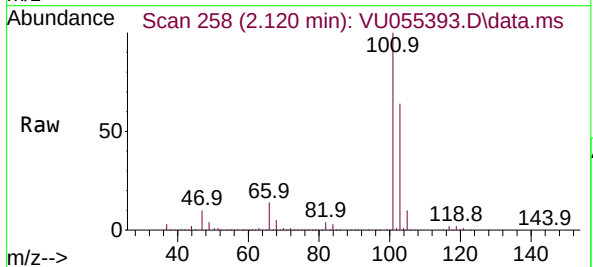
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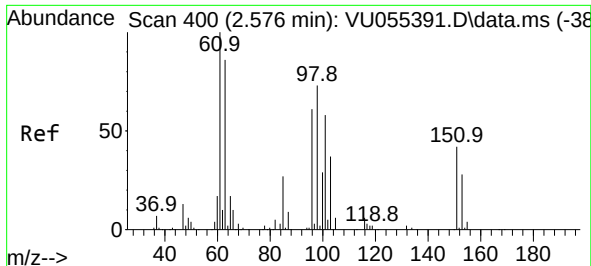
Tgt Ion: 64 Resp: 369807
Ion Ratio Lower Upper
64 100
66 32.6 23.7 44.1



#9
Trichlorofluoromethane
Concen: 19.337 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.016 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion:101 Resp: 804842
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

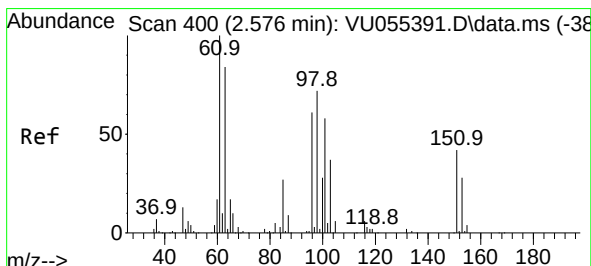
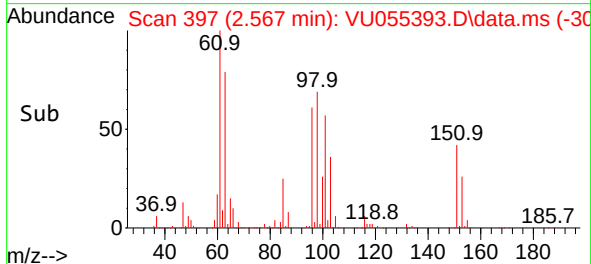
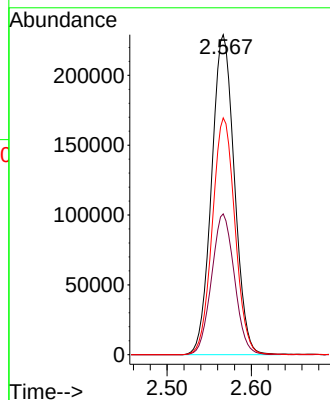
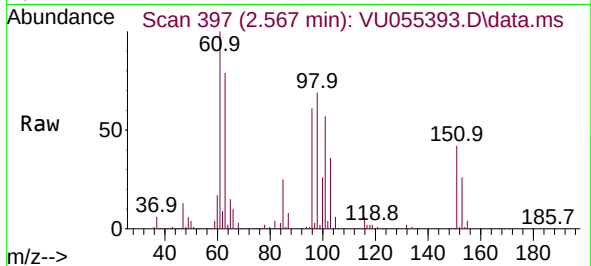




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.852 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

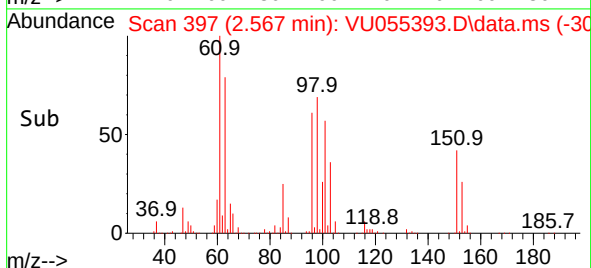
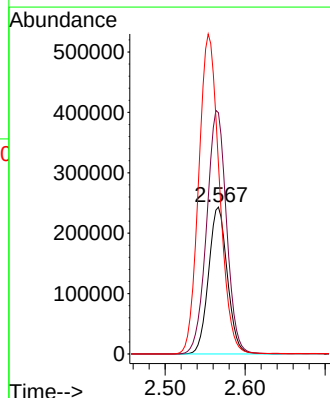
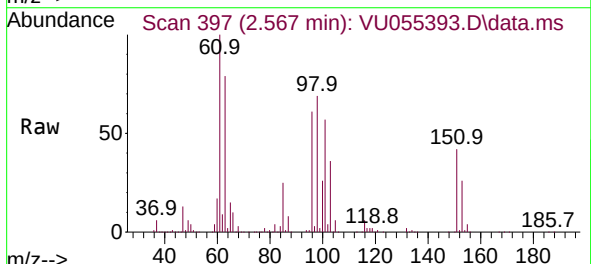
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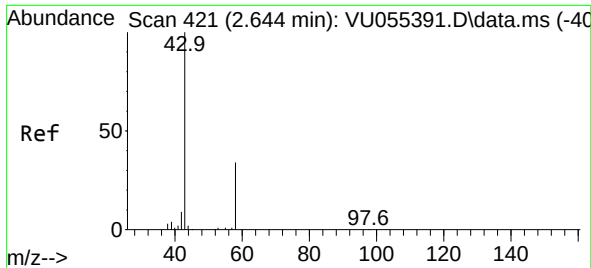
Tgt Ion:101 Resp: 431125
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.8 53.6
 151 73.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 20.499 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

Tgt Ion: 96 Resp: 397987
 Ion Ratio Lower Upper
 96 100
 61 164.2 114.5 212.7
 63 129.4 98.3 182.5





#13

Acetone

Concen: 195.066 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

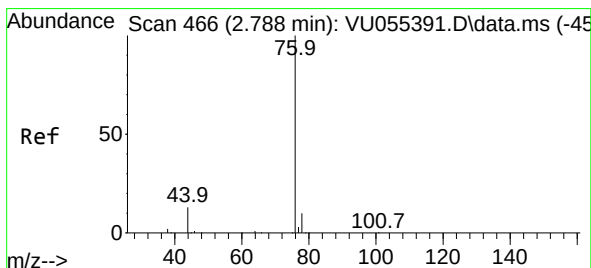
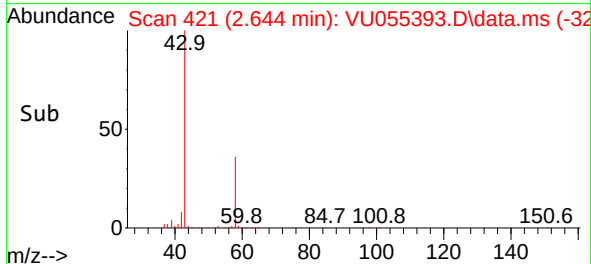
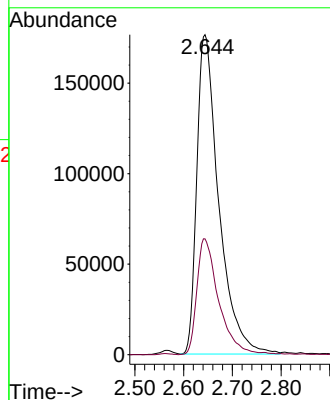
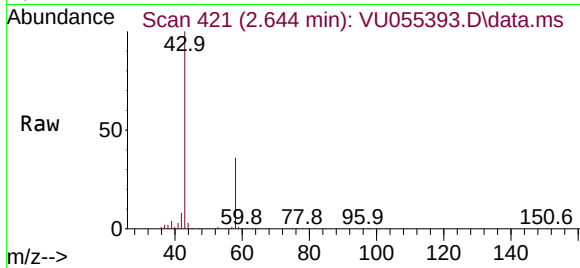
ClientSampleId :

Tgt Ion: 43 Resp: 553398

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.2



#14

Carbon disulfide

Concen: 19.604 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.010 min

Lab File: VU055393.D

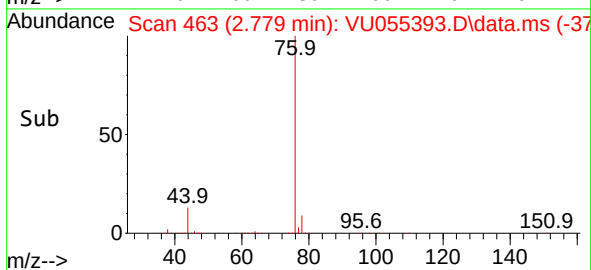
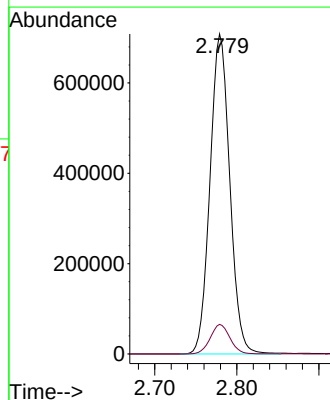
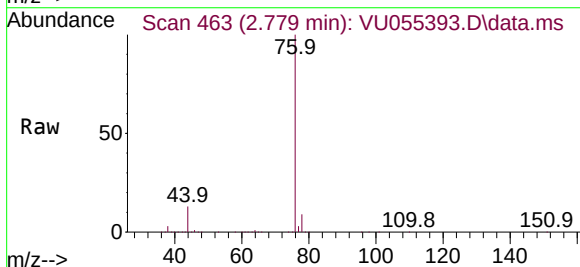
Acq: 19 Sep 2023 15:25

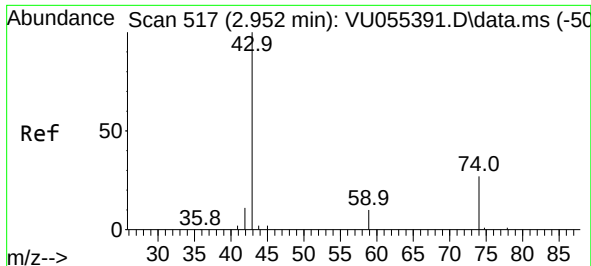
Tgt Ion: 76 Resp: 1186898

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

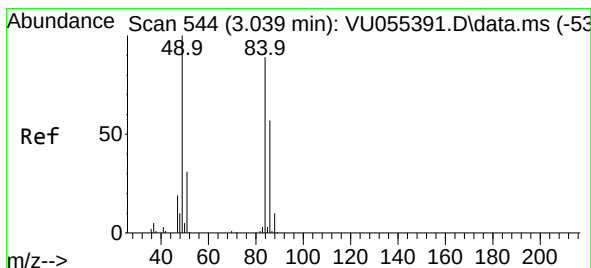
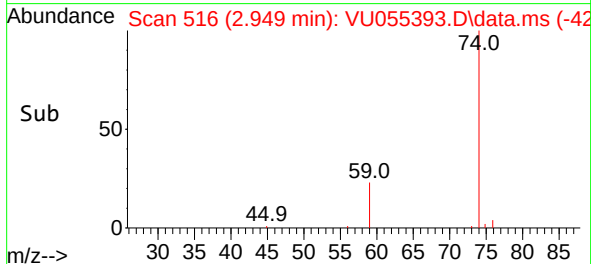
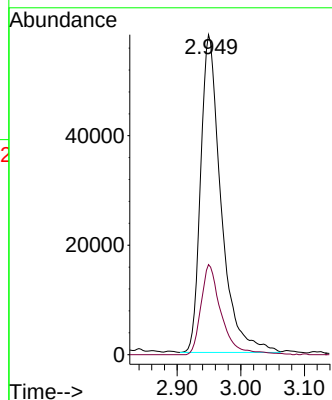
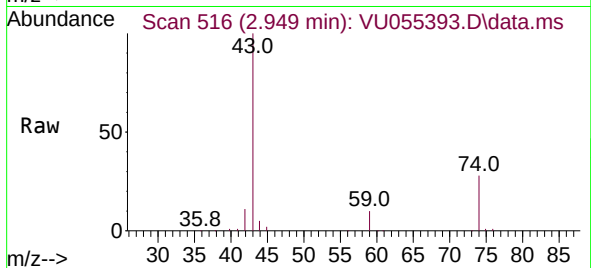




#15
Methyl Acetate
Concen: 19.366 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

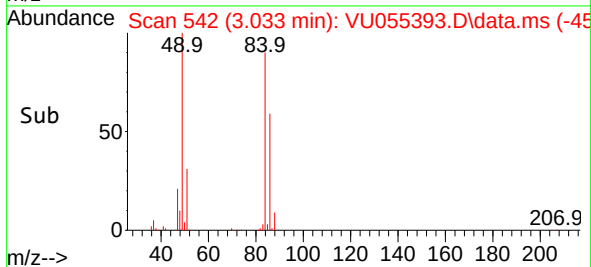
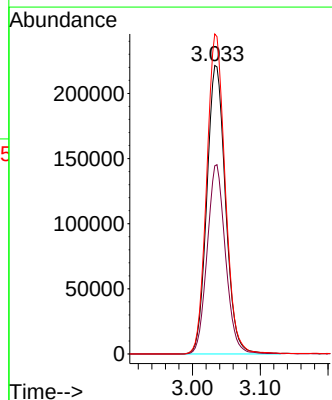
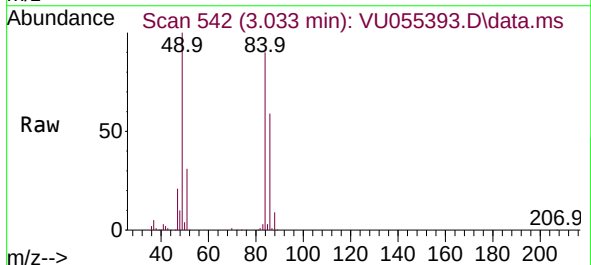
Instrument :
MSVOA_U
ClientSampleId :

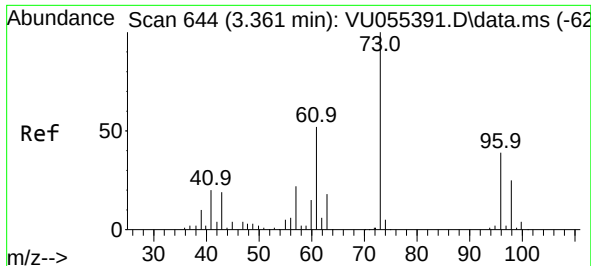
Tgt Ion: 43 Resp: 129428
Ion Ratio Lower Upper
43 100
74 28.2 22.3 33.5



#16
Methylene chloride
Concen: 14.779 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.006 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 84 Resp: 423448
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.3
49 110.9 78.8 146.3

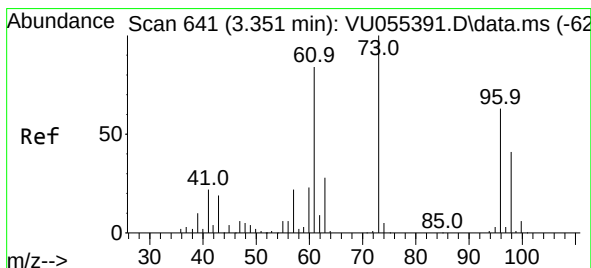
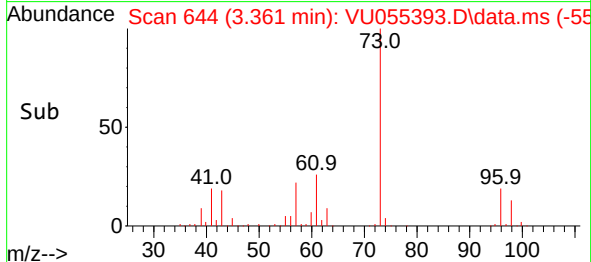
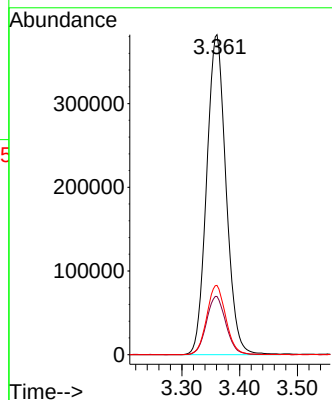
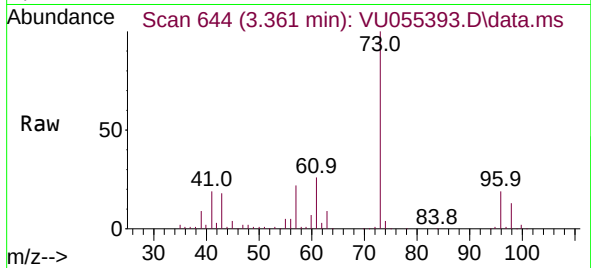




#17
Methyl tert-butyl Ether
Concen: 19.519 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

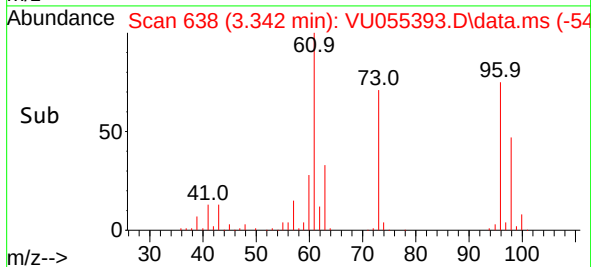
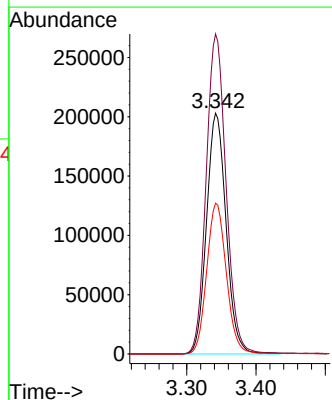
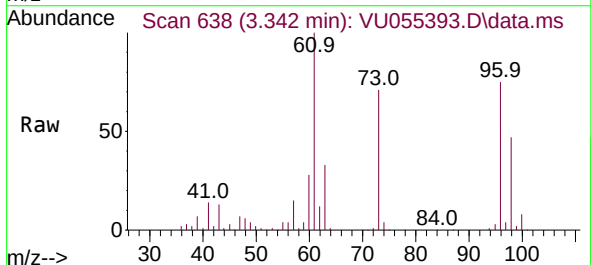
Instrument :
MSVOA_U
ClientSampleId :

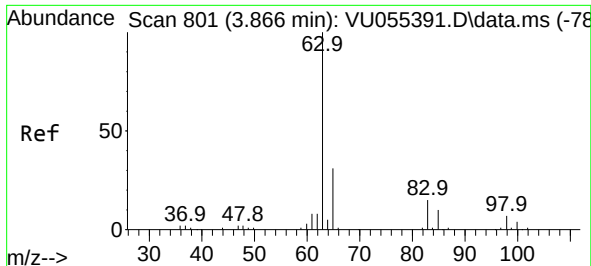
Tgt Ion: 73 Resp: 889725
Ion Ratio Lower Upper
73 100
43 18.2 14.9 22.3
57 21.4 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 18.938 ug/L
RT: 3.342 min Scan# 638
Delta R.T. -0.010 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 96 Resp: 397202
Ion Ratio Lower Upper
96 100
61 132.9 94.6 175.6
98 62.6 45.7 84.9





#19

1,1-Dichloroethane

Concen: 17.891 ug/L

RT: 3.859 min Scan# 71

Delta R.T. -0.006 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

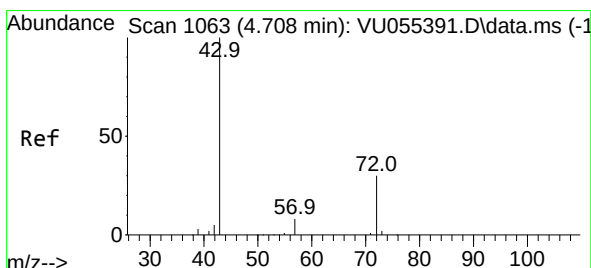
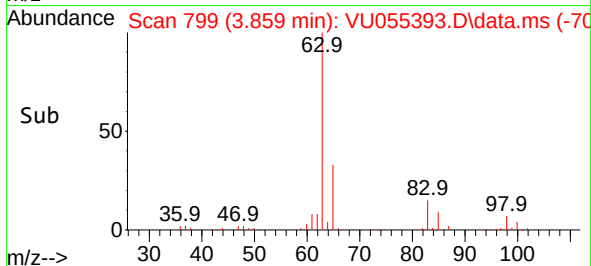
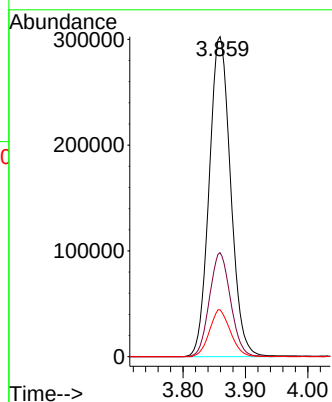
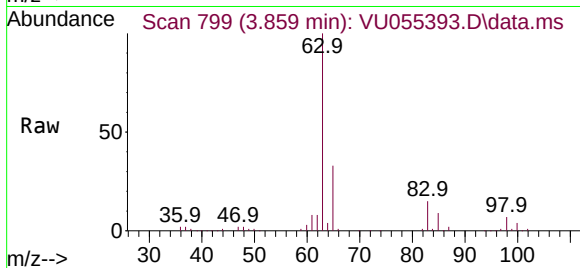
Tgt Ion: 63 Resp: 721929

Ion Ratio Lower Upper

63 100

65 32.5 22.0 41.0

83 14.7 10.1 18.9



#21

2-Butanone

Concen: 194.158 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.003 min

Lab File: VU055393.D

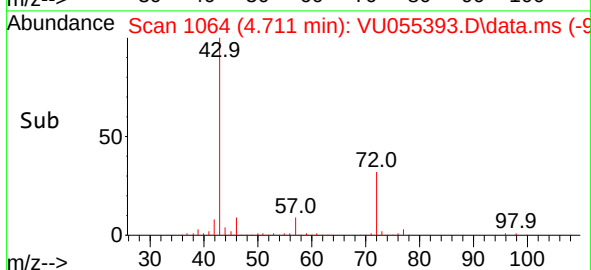
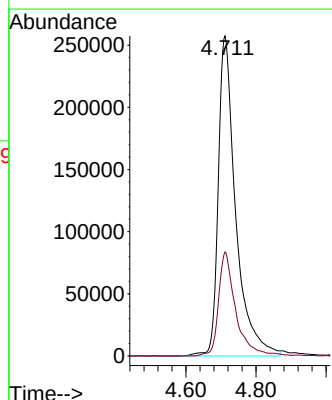
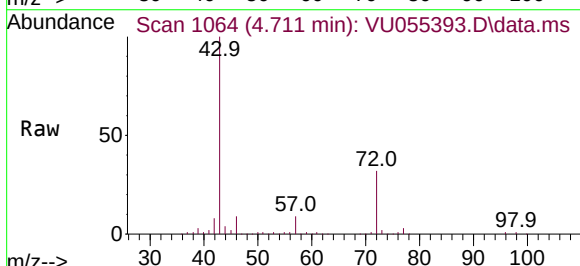
Acq: 19 Sep 2023 15:25

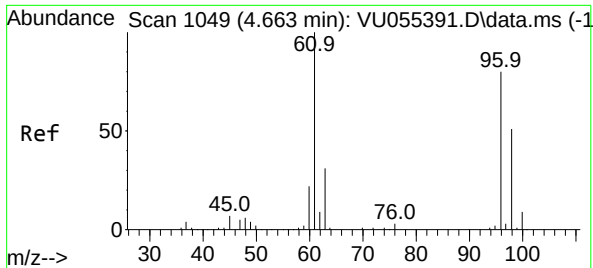
Tgt Ion: 43 Resp: 891833

Ion Ratio Lower Upper

43 100

72 31.4 15.1 45.3

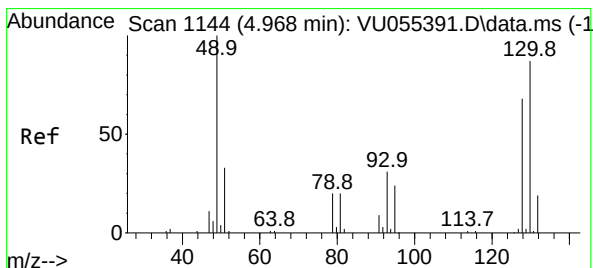
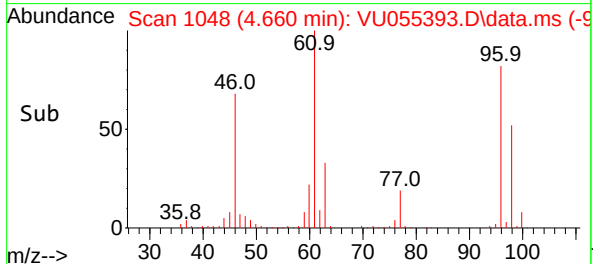
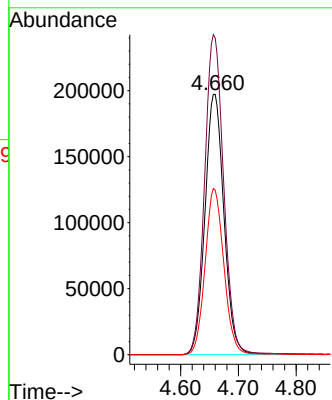
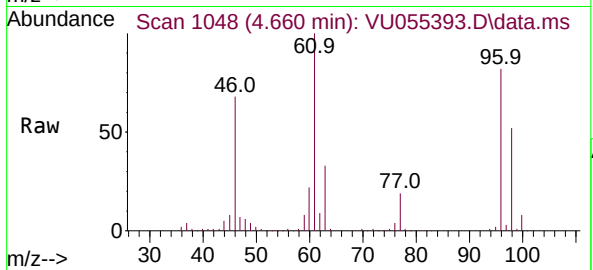




#22
 cis-1,2-Dichloroethene
 Concen: 18.434 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

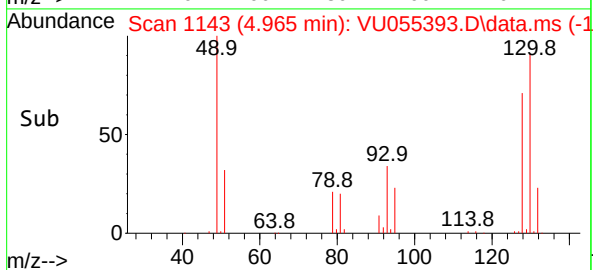
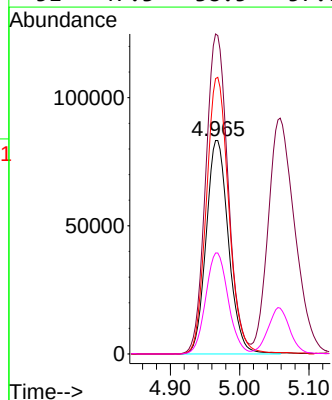
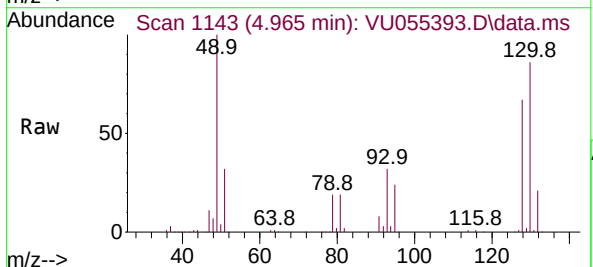
Instrument :
 MSVOA_U
 ClientSampleId :

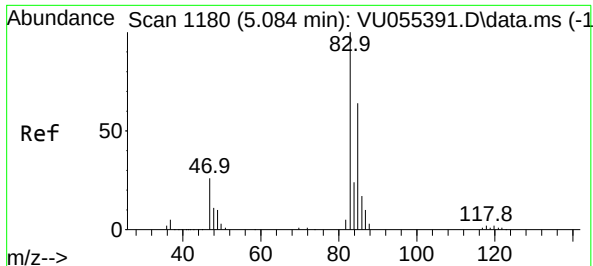
Tgt Ion: 96 Resp: 451144
 Ion Ratio Lower Upper
 96 100
 61 121.7 87.8 163.2
 98 63.2 44.4 82.4



#23
 Bromochloromethane
 Concen: 18.620 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

Tgt Ion:128 Resp: 186297
 Ion Ratio Lower Upper
 128 100
 49 149.9 102.8 191.0
 130 129.0 89.9 166.9
 51 47.3 38.5 57.7





#25

Chloroform

Concen: 17.341 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

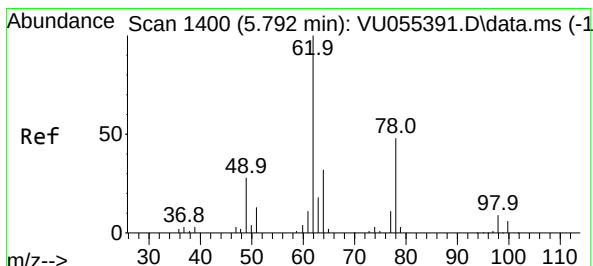
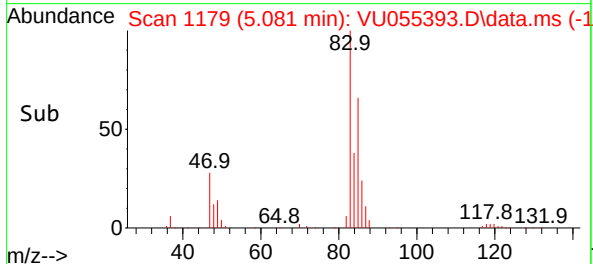
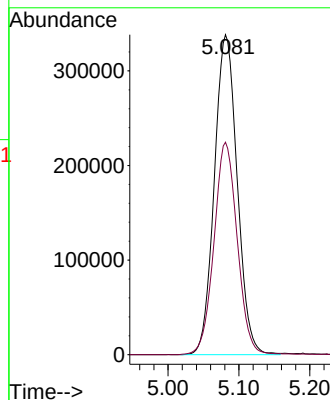
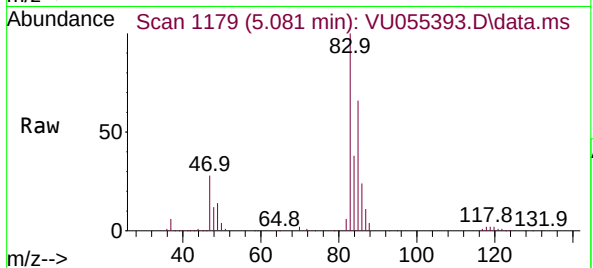
ClientSampleId :

Tgt Ion: 83 Resp: 758787

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.5



#27

1,2-Dichloroethane

Concen: 16.996 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055393.D

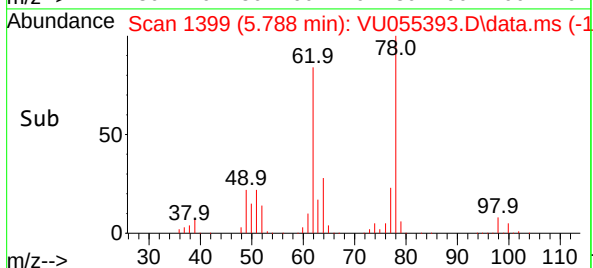
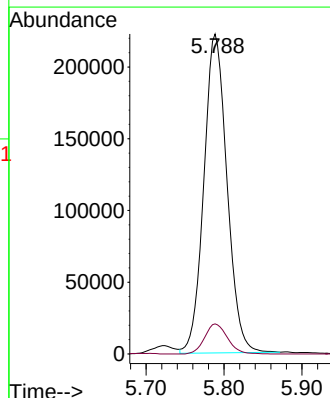
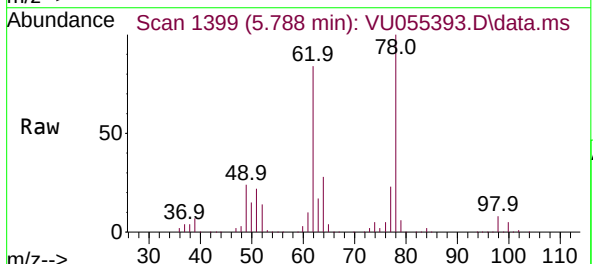
Acq: 19 Sep 2023 15:25

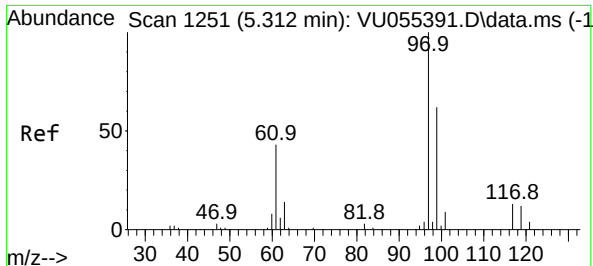
Tgt Ion: 62 Resp: 458900

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 18.475 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

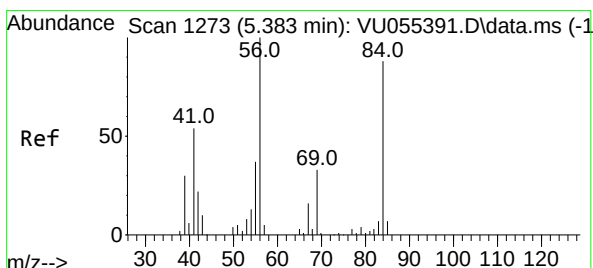
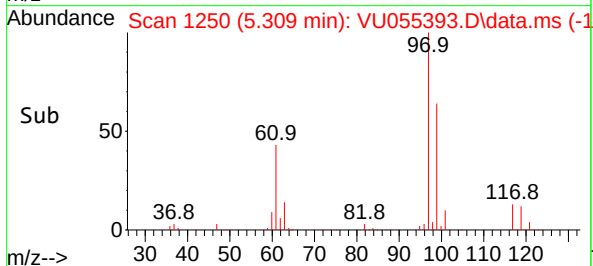
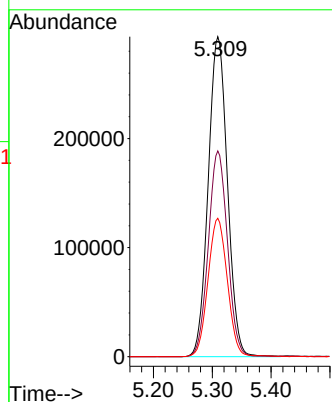
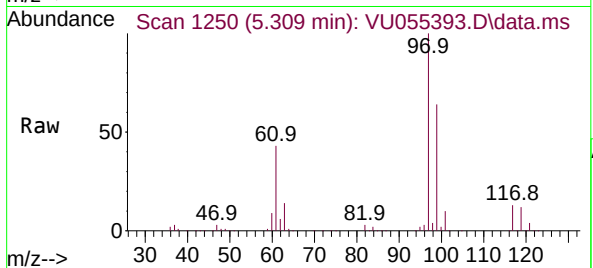
Tgt Ion: 97 Resp: 666422

Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 43.4 34.6 51.8



#30

Cyclohexane

Concen: 19.613 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

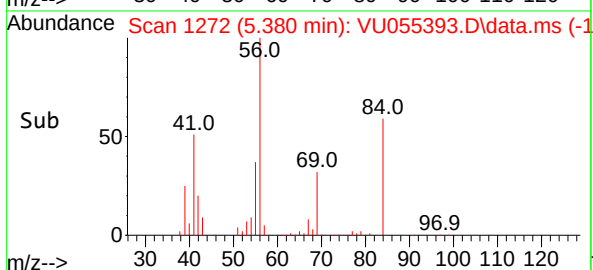
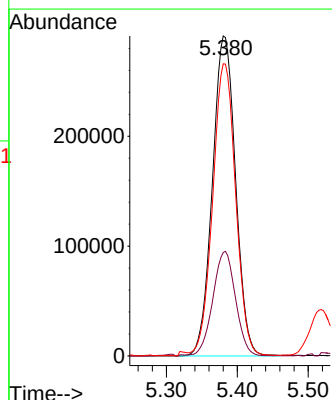
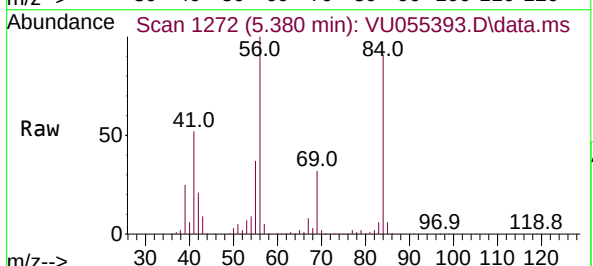
Tgt Ion: 56 Resp: 660782

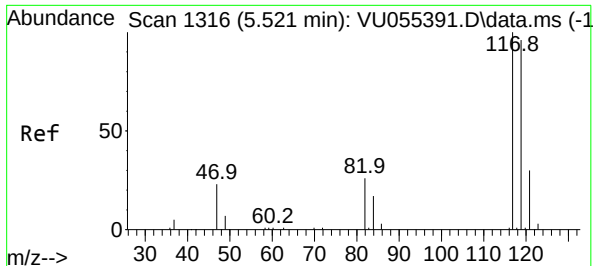
Ion Ratio Lower Upper

56 100

69 31.9 26.5 39.7

84 90.1 72.6 108.8

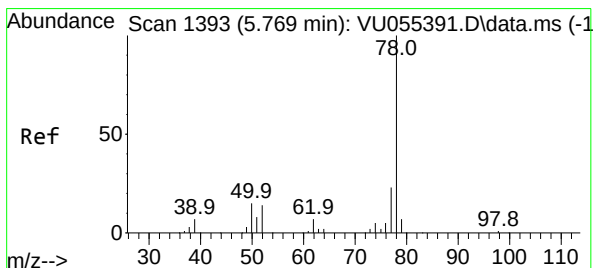
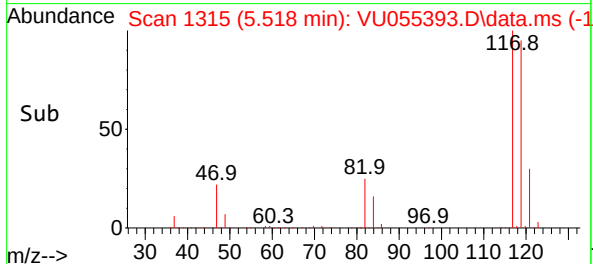
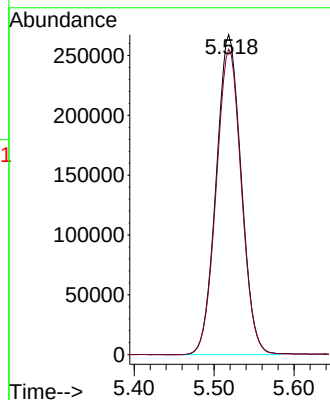
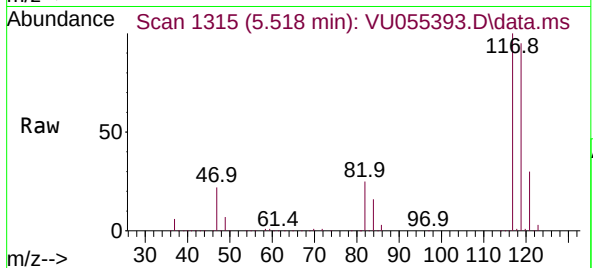




#31
Carbon tetrachloride
Concen: 18.772 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

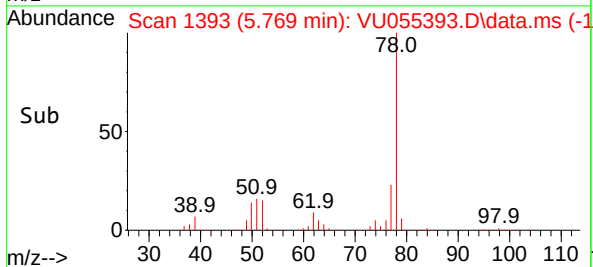
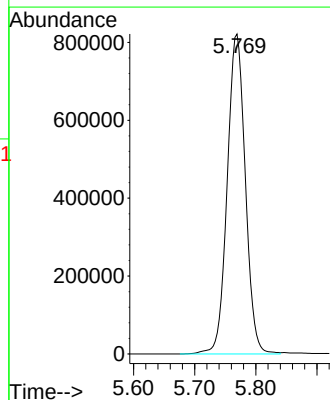
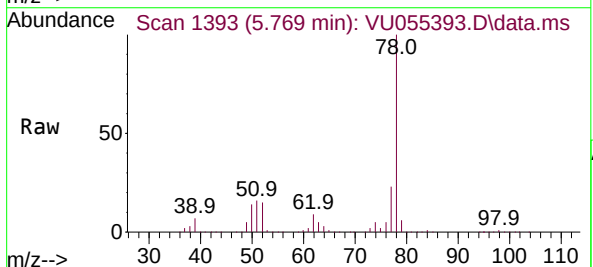
Instrument :
MSVOA_U
ClientSampleId :

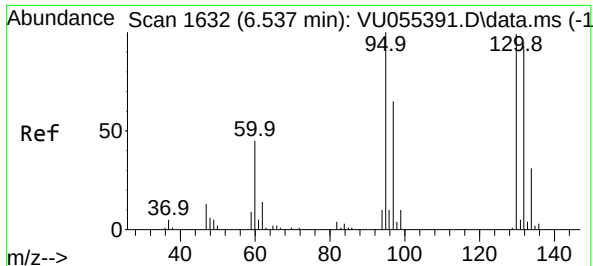
Tgt Ion:117 Resp: 581265
Ion Ratio Lower Upper
117 100
119 96.2 75.2 112.8



#33
Benzene
Concen: 18.090 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 78 Resp: 1690455

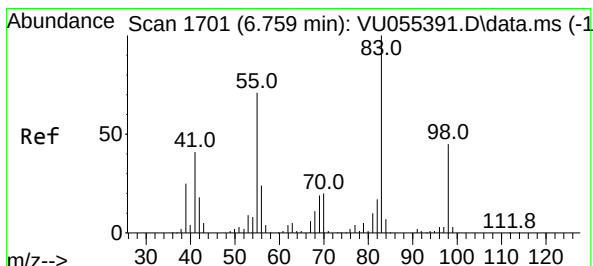
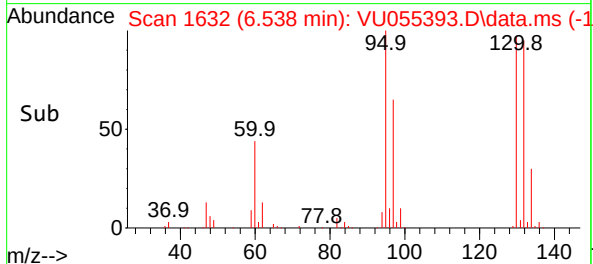
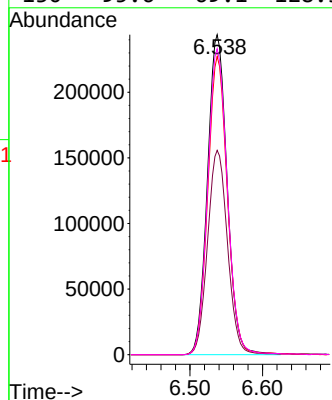
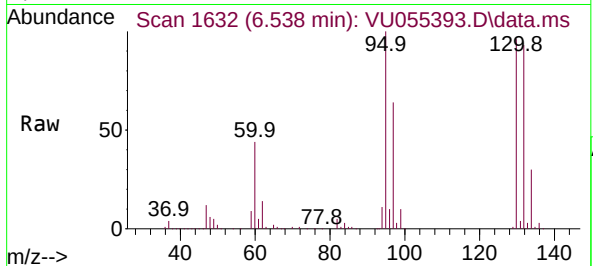




#34
Trichloroethene
Concen: 17.295 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

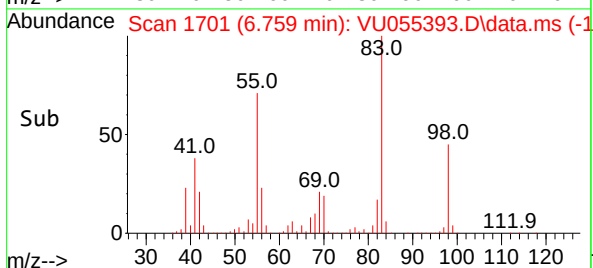
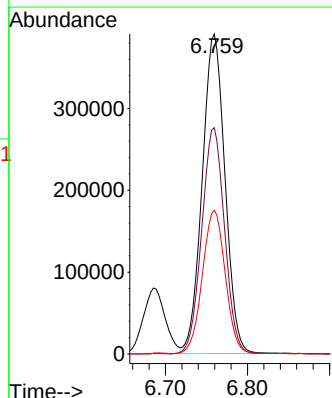
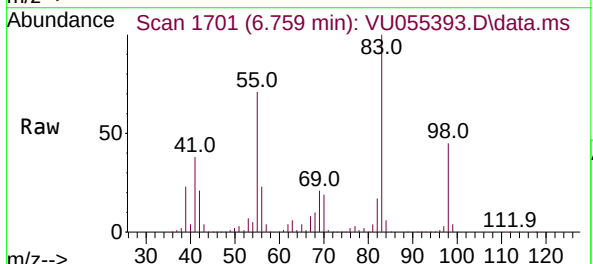
Instrument :
MSVOA_U
ClientSampleId :

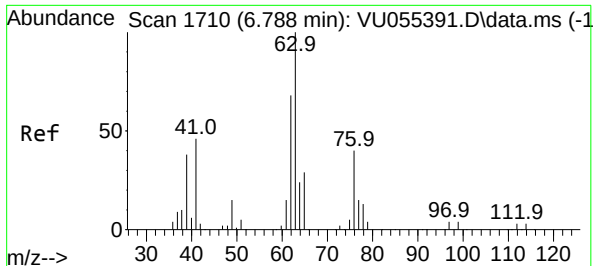
Tgt Ion: 95 Resp: 459670
Ion Ratio Lower Upper
95 100
97 63.8 45.4 84.2
132 93.2 65.2 121.2
130 95.6 69.1 128.3



#35
Methylcyclohexane
Concen: 19.629 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 83 Resp: 754640
Ion Ratio Lower Upper
83 100
55 70.9 59.1 88.7
98 45.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 17.736 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

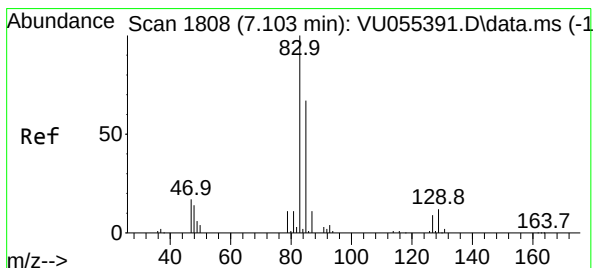
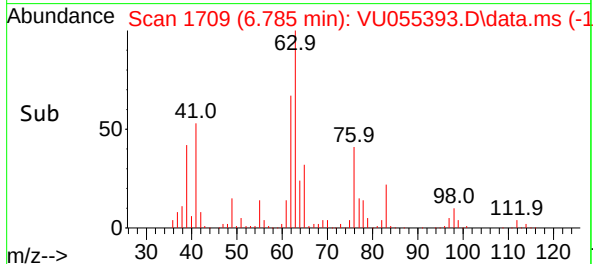
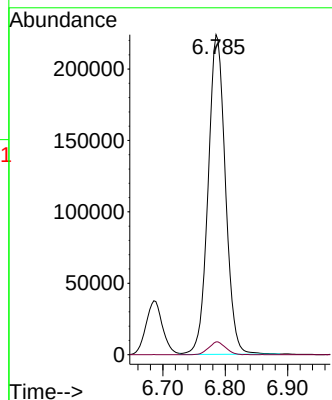
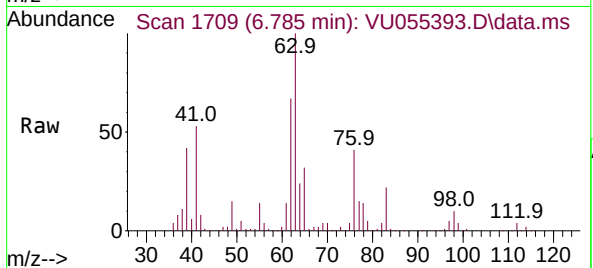
ClientSampleId :

Tgt Ion: 63 Resp: 431429

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 17.846 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

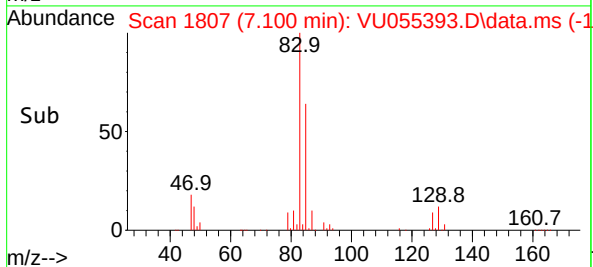
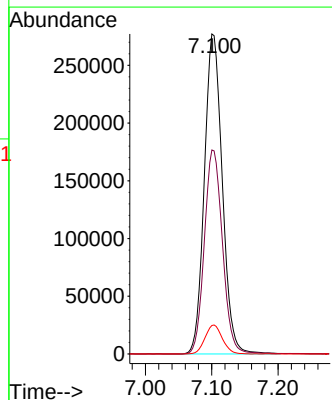
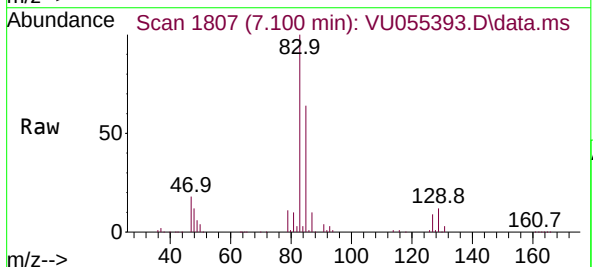
Tgt Ion: 83 Resp: 521832

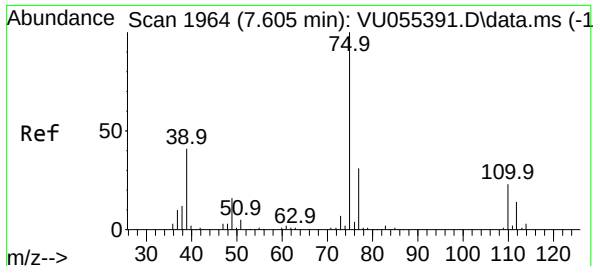
Ion Ratio Lower Upper

83 100

85 63.7 46.8 86.8

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 19.749 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

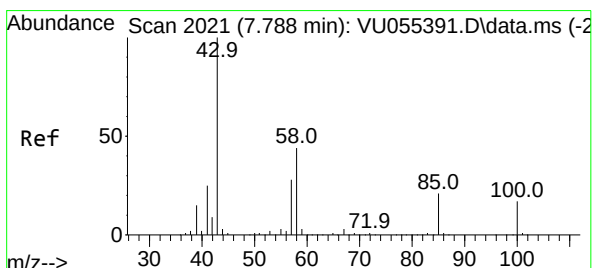
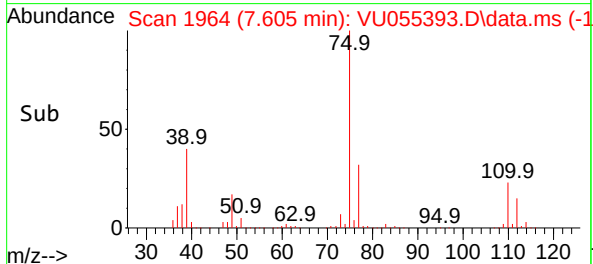
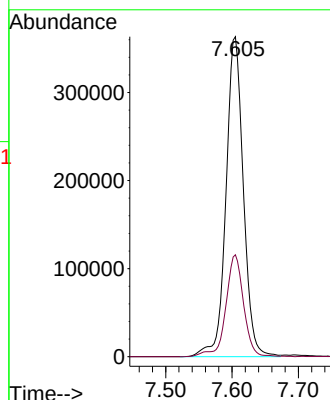
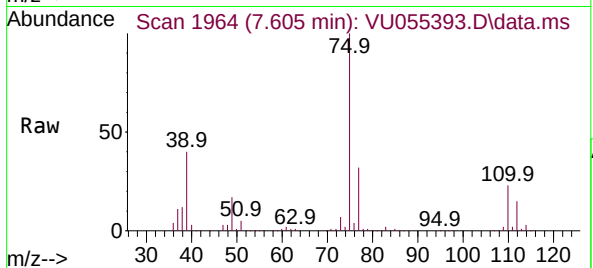
ClientSampleId :

Tgt Ion: 75 Resp: 661477

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 185.337 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.006 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

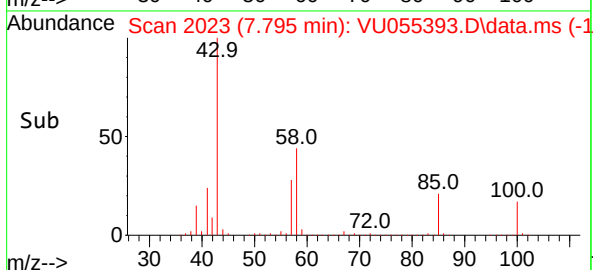
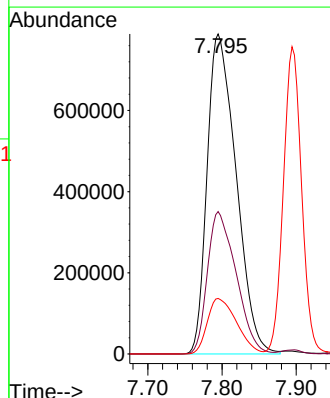
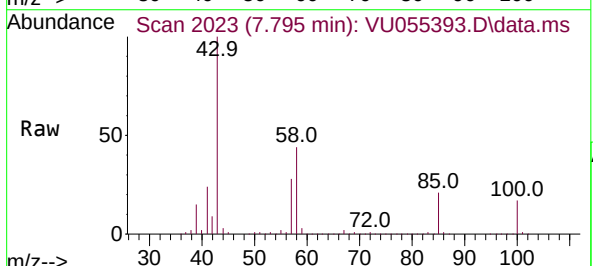
Tgt Ion: 43 Resp: 2136339

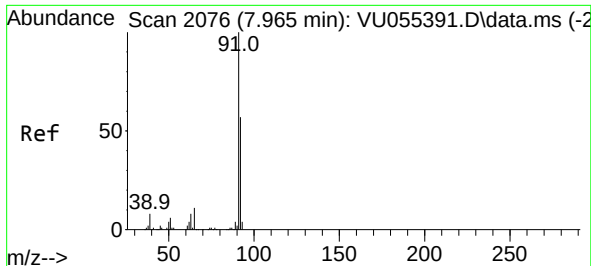
Ion Ratio Lower Upper

43 100

58 44.0 34.2 51.4

100 17.6 13.4 20.0





#42

Toluene

Concen: 18.232 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

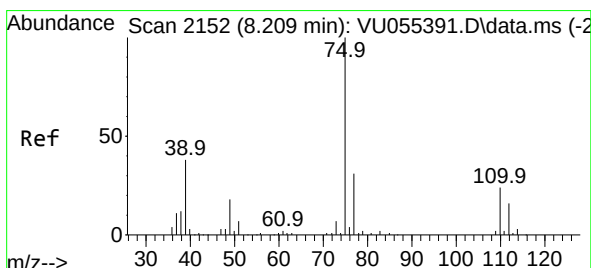
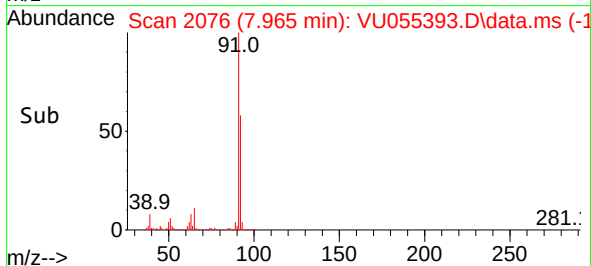
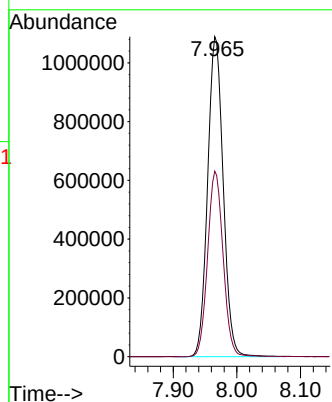
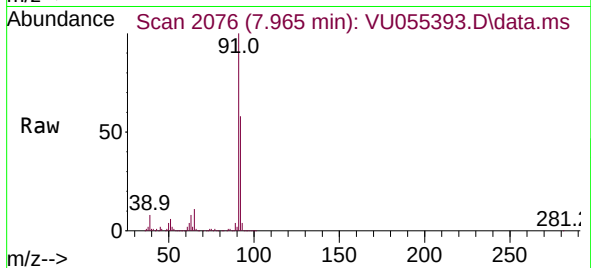
ClientSampleId :

Tgt Ion: 91 Resp: 1852628

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 20.343 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055393.D

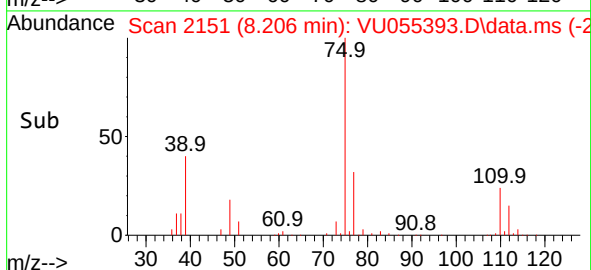
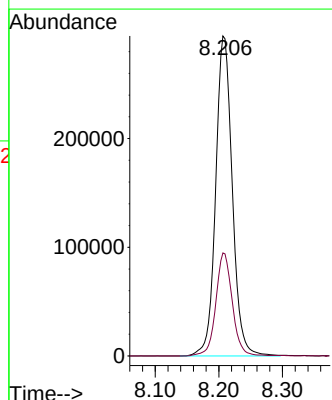
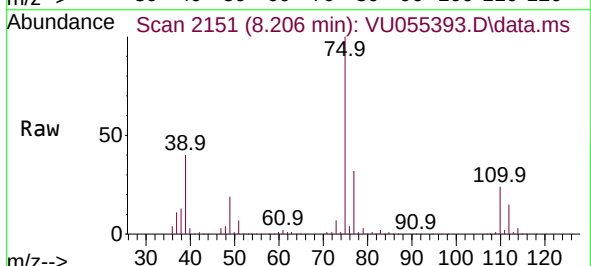
Acq: 19 Sep 2023 15:25

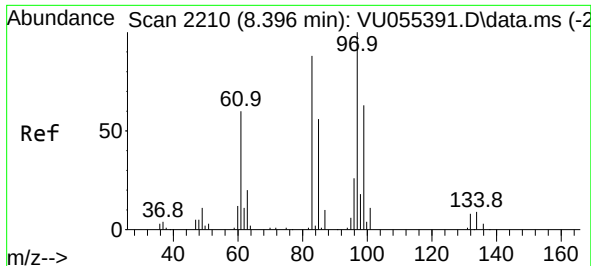
Tgt Ion: 75 Resp: 534163

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 17.768 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 304383

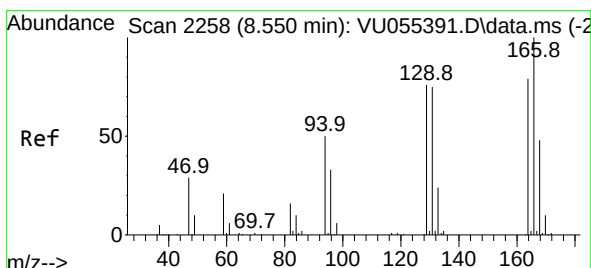
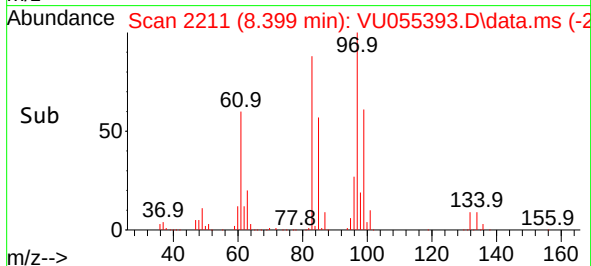
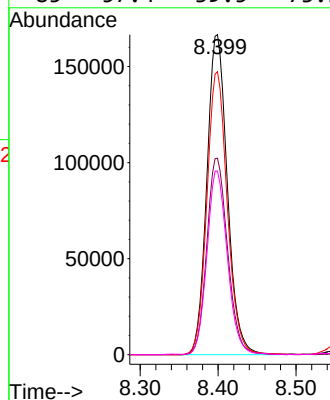
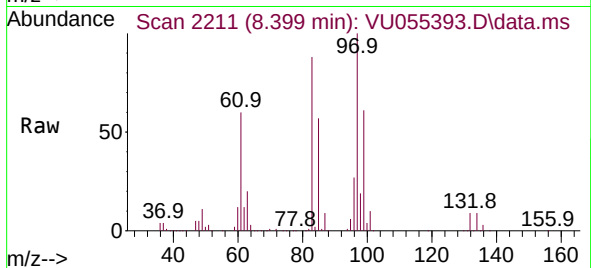
Ion Ratio Lower Upper

97 100

99 61.4 44.1 81.9

83 88.5 61.5 114.1

85 57.4 39.5 73.3



#47

Tetrachloroethene

Concen: 18.596 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Tgt Ion:164 Resp: 344875

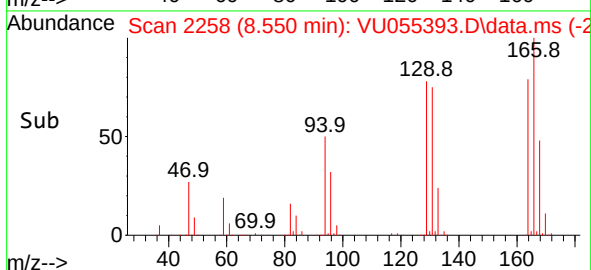
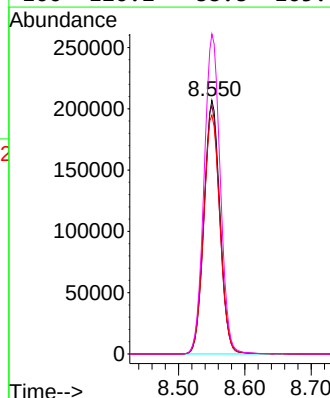
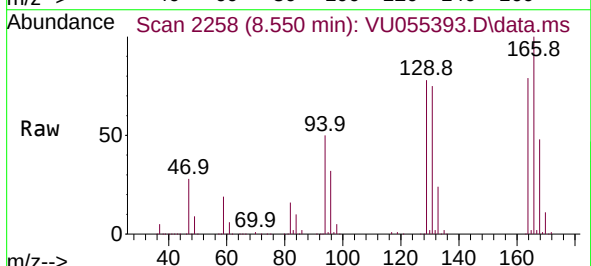
Ion Ratio Lower Upper

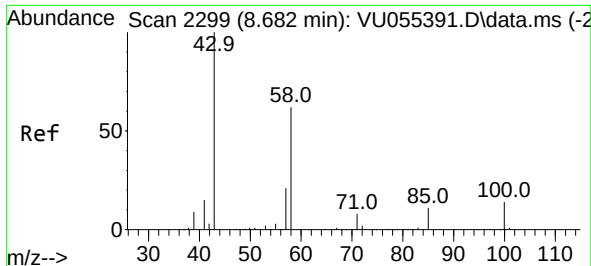
164 100

129 97.9 67.4 125.2

131 94.2 66.4 123.2

166 126.2 88.8 165.0



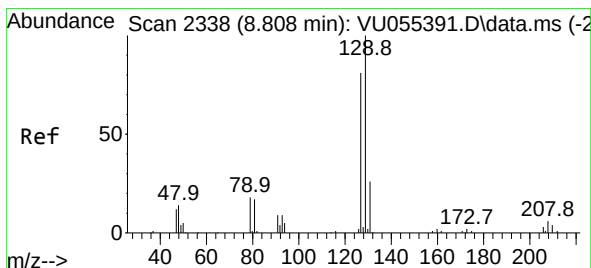
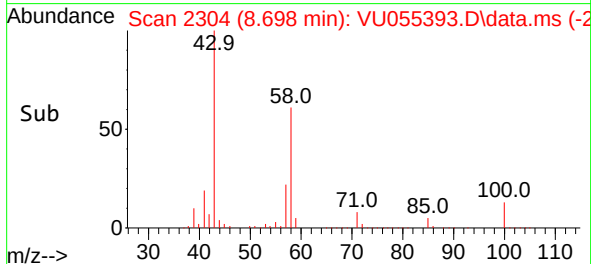
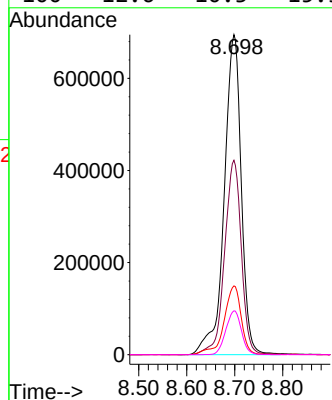
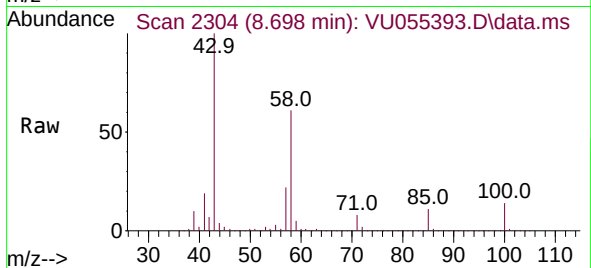


#48
2-Hexanone
Concen: 197.955 ug/L
RT: 8.698 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 1718624

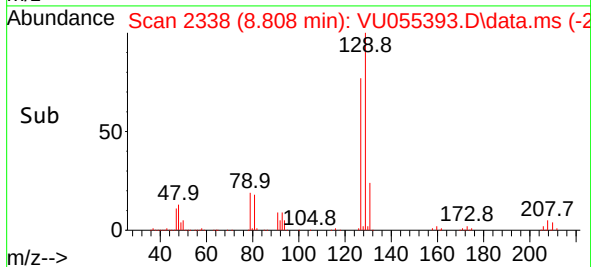
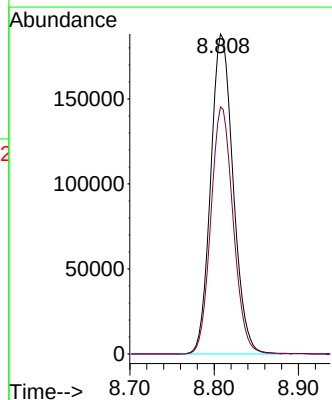
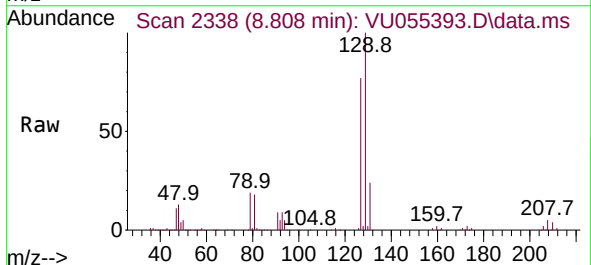
Ion	Ratio	Lower	Upper
43	100		
58	59.6	48.5	72.7
57	21.8	17.0	25.4
100	12.6	10.3	15.5

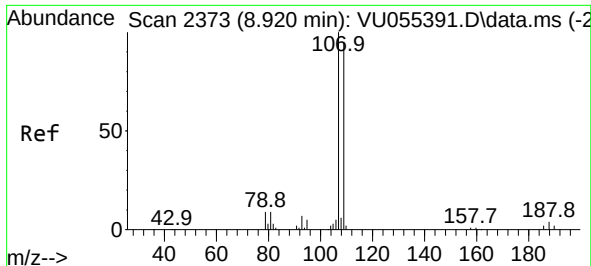


#49
Dibromochloromethane
Concen: 19.865 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 129 Resp: 347889

Ion	Ratio	Lower	Upper
129	100		
127	77.2	56.8	105.6





#50

1,2-Dibromoethane

Concen: 18.602 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

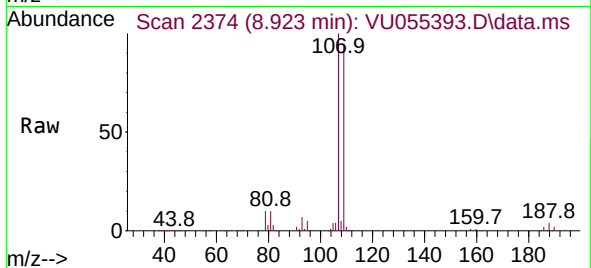
Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

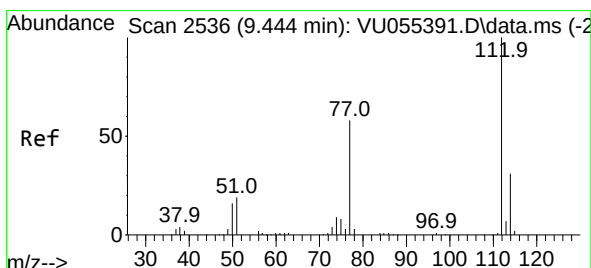
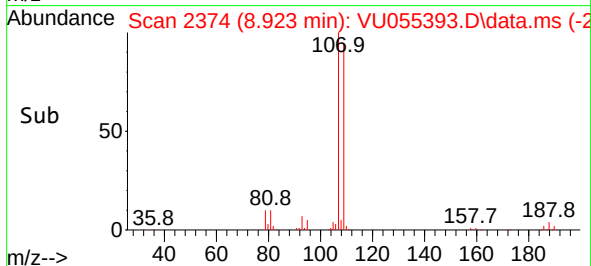
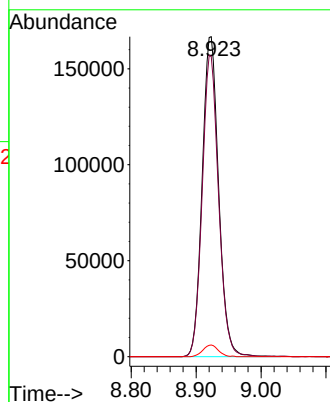
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	294298
Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.8
188	3.7	3.2	4.8



#51

Chlorobenzene

Concen: 17.807 ug/L

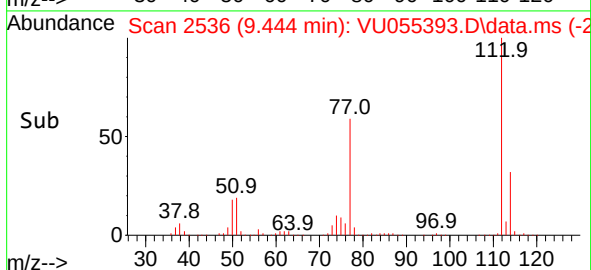
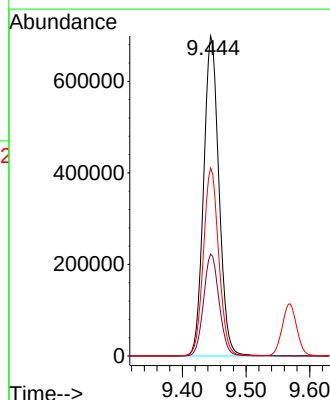
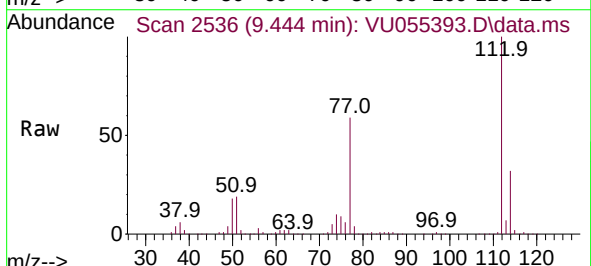
RT: 9.444 min Scan# 2536

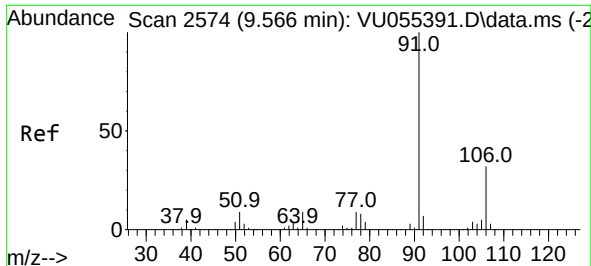
Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Tgt Ion:	112	Resp:	1167234
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	40.8
77	58.8	46.9	70.3





#52

Ethylbenzene

Concen: 18.924 ug/L

RT: 9.570 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

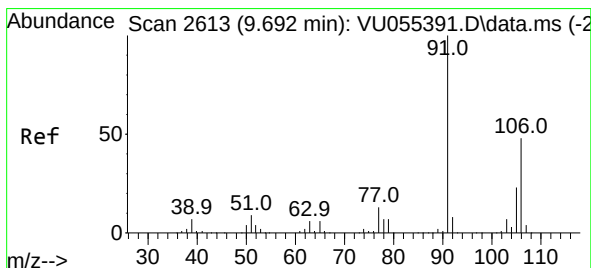
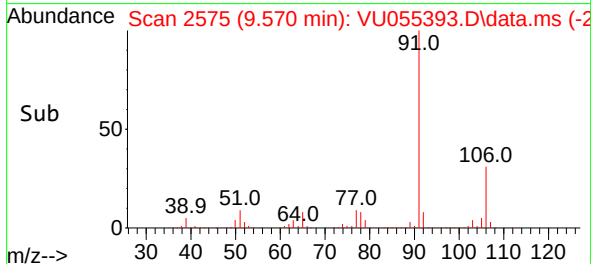
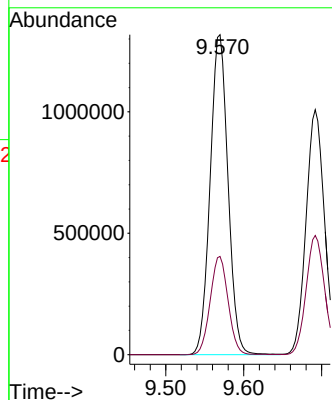
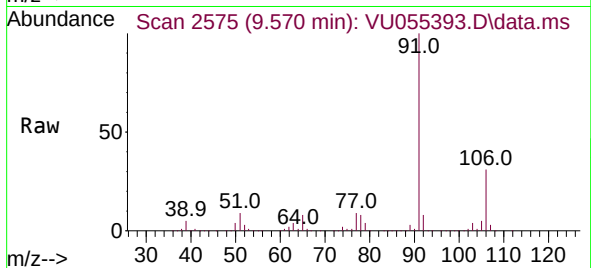
ClientSampleId :

Tgt Ion: 91 Resp: 2096289

Ion Ratio Lower Upper

91 100

106 30.7 22.4 41.6



#53

m,p-Xylene

Concen: 19.407 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.000 min

Lab File: VU055393.D

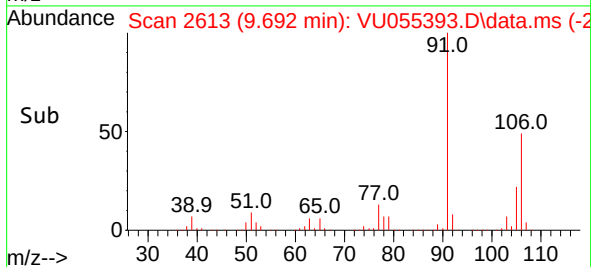
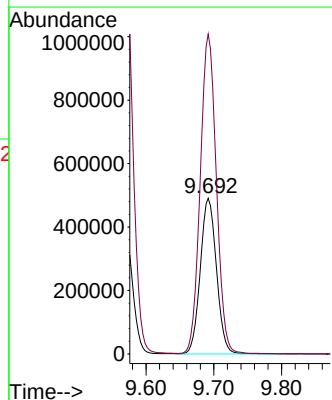
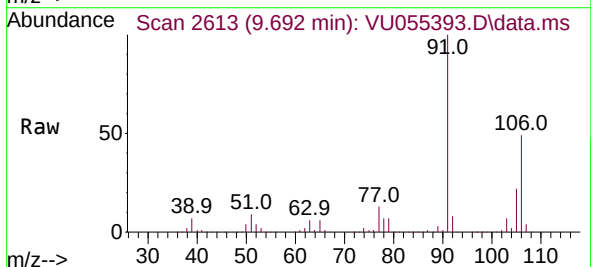
Acq: 19 Sep 2023 15:25

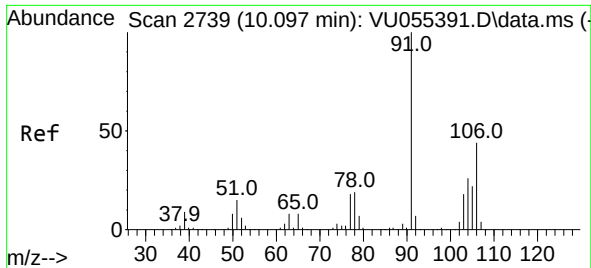
Tgt Ion:106 Resp: 812048

Ion Ratio Lower Upper

106 100

91 205.5 144.8 269.0

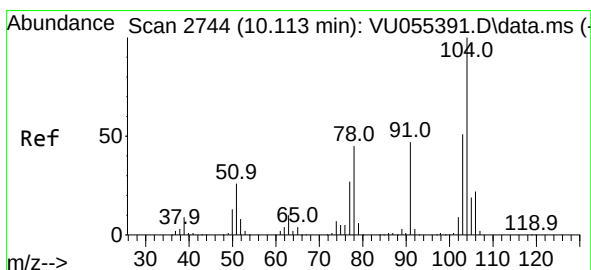
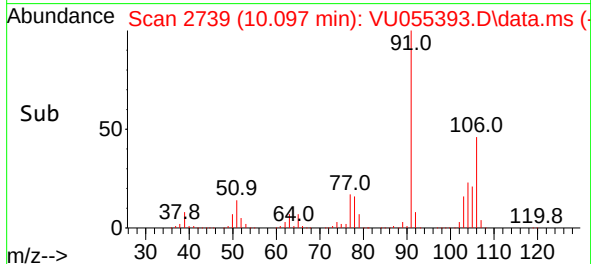
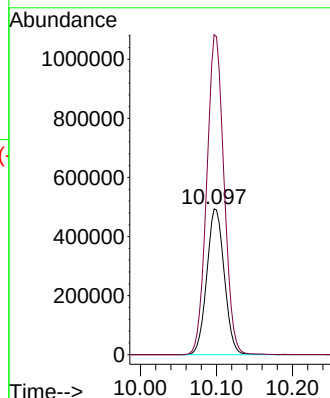
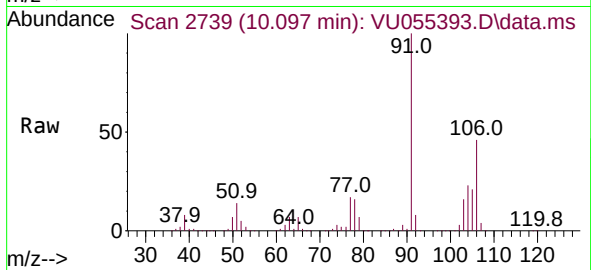




#54
o-Xylene
Concen: 19.921 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

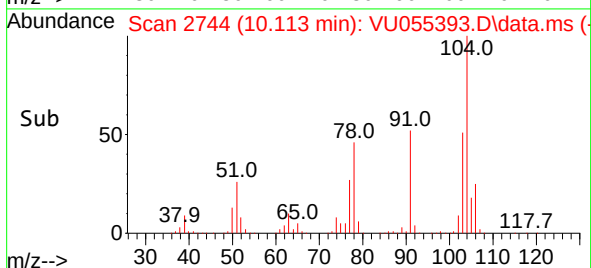
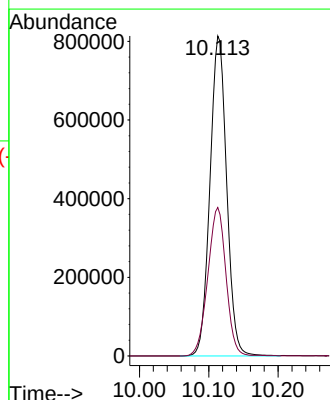
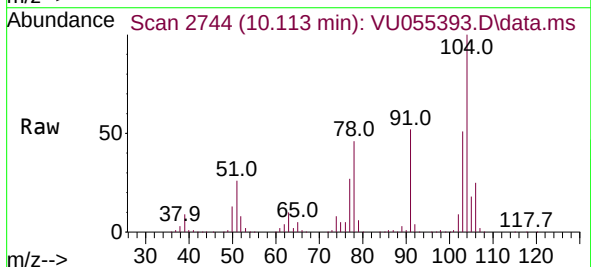
Instrument :
MSVOA_U
ClientSampleId :

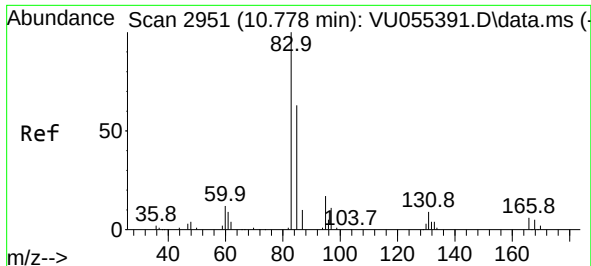
Tgt Ion:106 Resp: 789019
Ion Ratio Lower Upper
106 100
91 219.5 157.6 292.8



#55
Styrene
Concen: 20.474 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion:104 Resp: 1359992
Ion Ratio Lower Upper
104 100
78 46.4 31.2 58.0

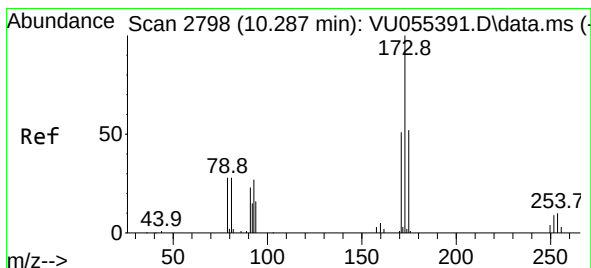
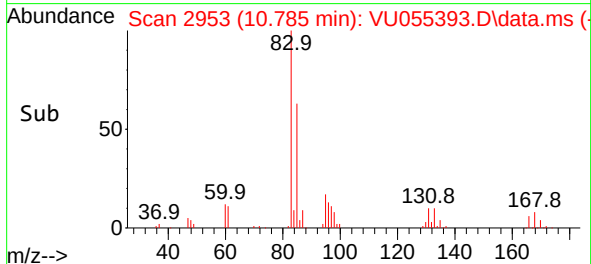
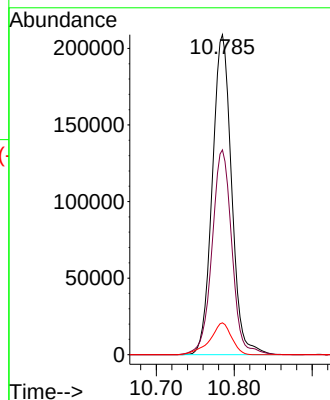
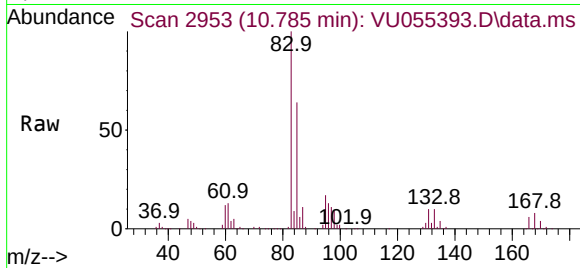




#57
 1,1,2,2-Tetrachloroethane
 Concen: 19.102 ug/L
 RT: 10.785 min Scan# 2951
 Delta R.T. 0.006 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

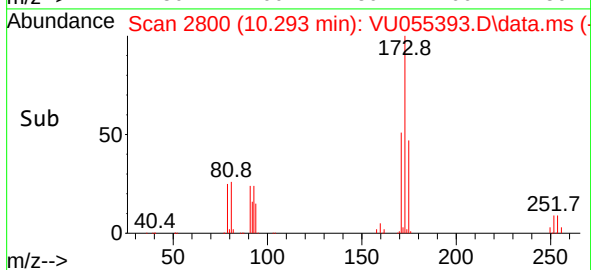
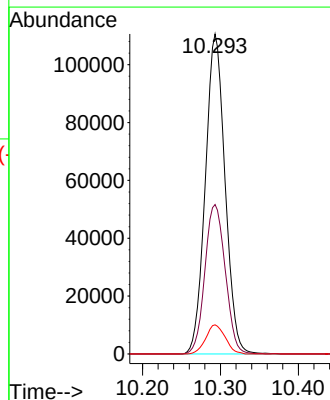
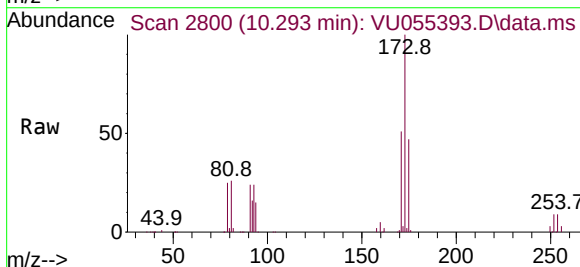
Instrument :
 MSVOA_U
 ClientSampleId :

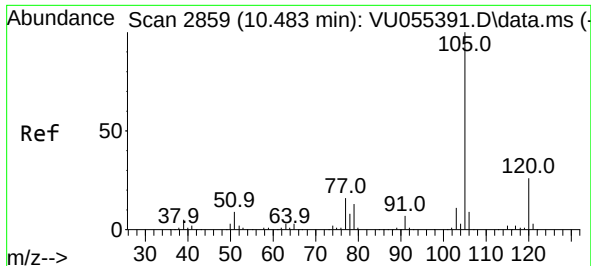
Tgt Ion: 83 Resp: 359245
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.5
 131 10.0 7.4 11.2



#59
 Bromoform
 Concen: 19.802 ug/L
 RT: 10.293 min Scan# 2800
 Delta R.T. 0.006 min
 Lab File: VU055393.D
 Acq: 19 Sep 2023 15:25

Tgt Ion: 173 Resp: 194519
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.4 59.2
 254 9.0 7.3 10.9

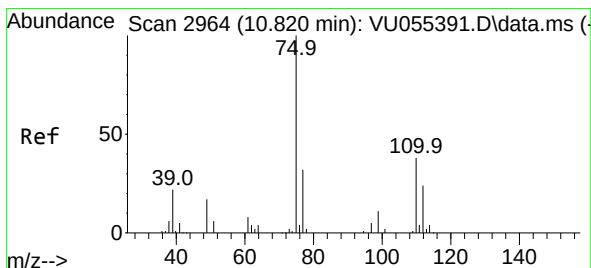
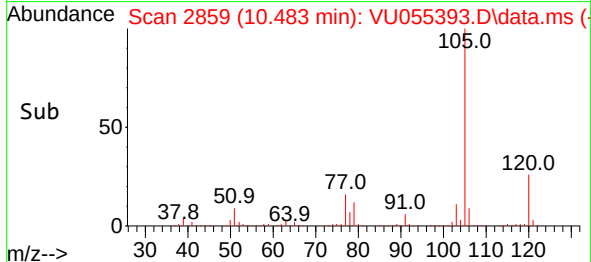
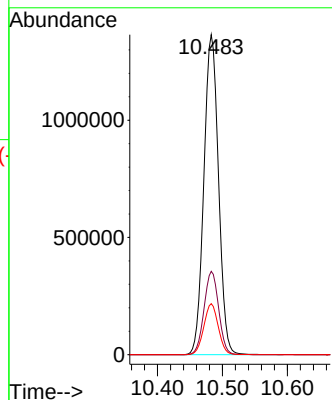
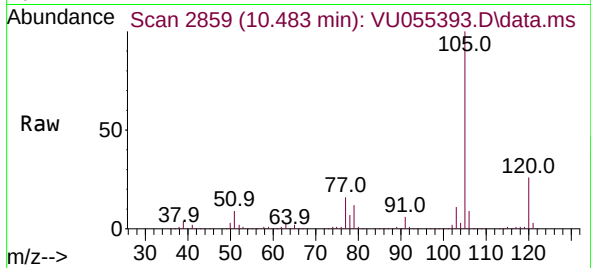




#60
Isopropylbenzene
Concen: 17.963 ug/L
RT: 10.483 min Scan# 2143231
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

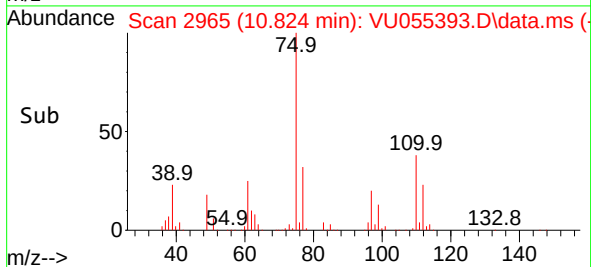
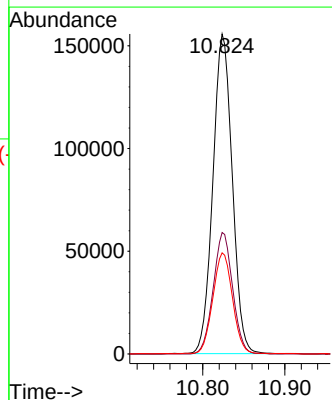
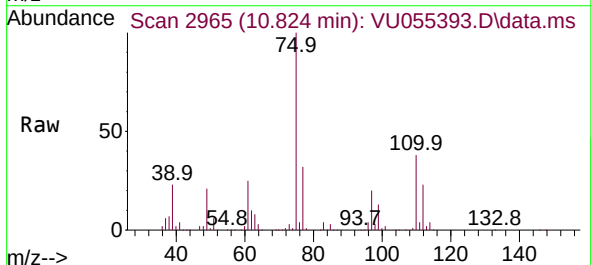
Instrument :
MSVOA_U
ClientSampleId :

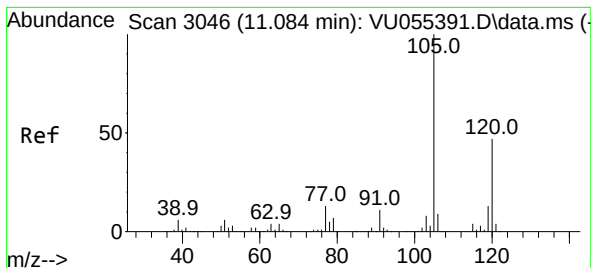
Tgt Ion:105 Resp: 2143231
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 15.983 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.003 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion: 75 Resp: 256070
Ion Ratio Lower Upper
75 100
110 38.0 30.6 45.8
77 32.0 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 19.628 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

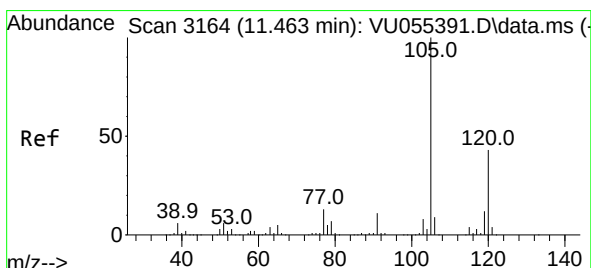
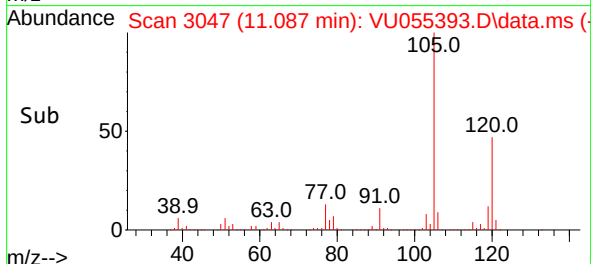
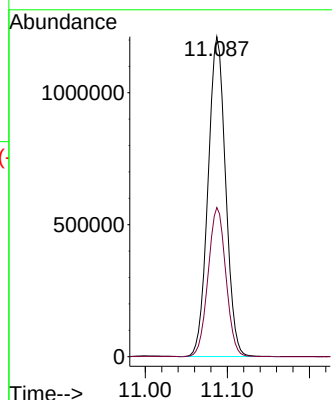
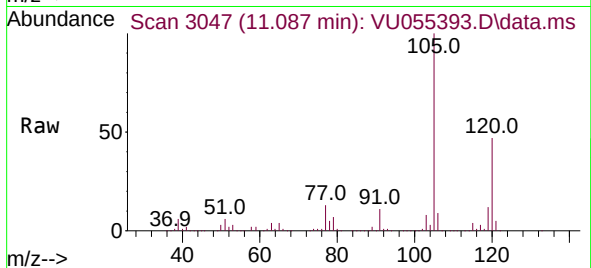
ClientSampleId :

Tgt Ion:105 Resp: 1807282

Ion Ratio Lower Upper

105 100

120 47.1 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 19.175 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055393.D

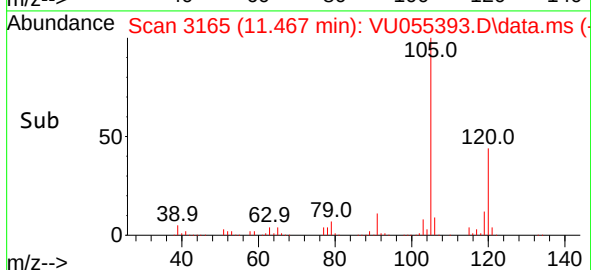
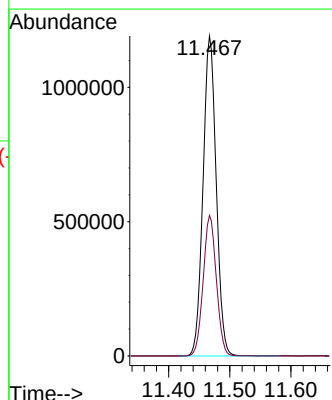
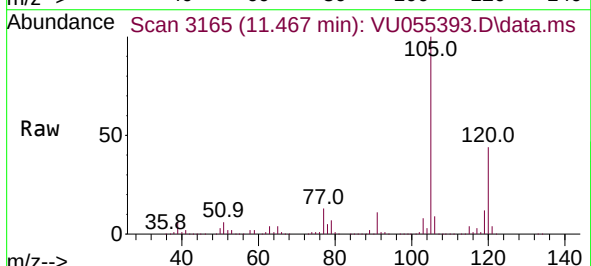
Acq: 19 Sep 2023 15:25

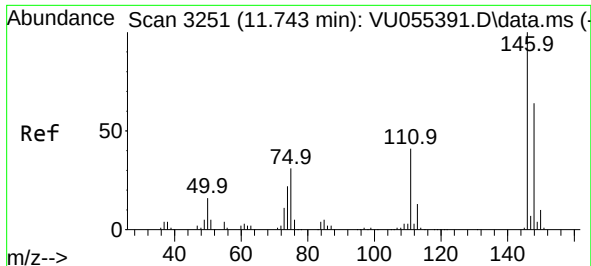
Tgt Ion:105 Resp: 1783755

Ion Ratio Lower Upper

105 100

120 43.8 34.9 52.3

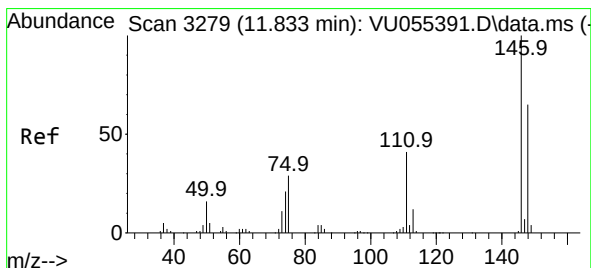
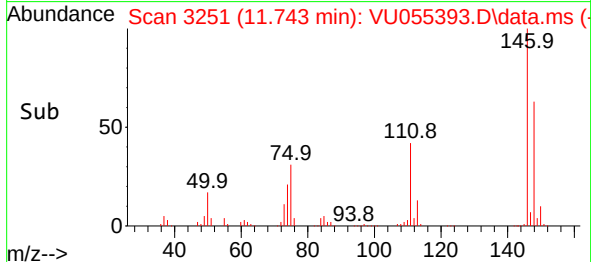
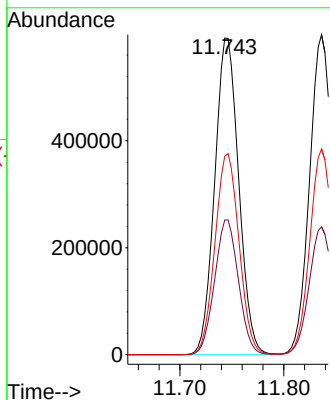
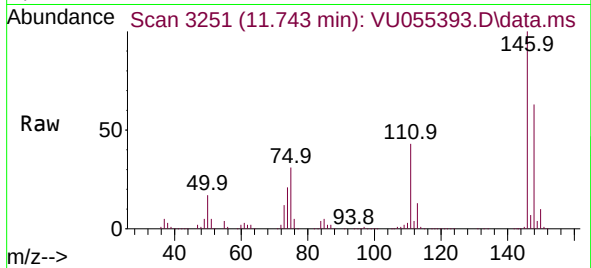




#64
1,3-Dichlorobenzene
Concen: 17.144 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

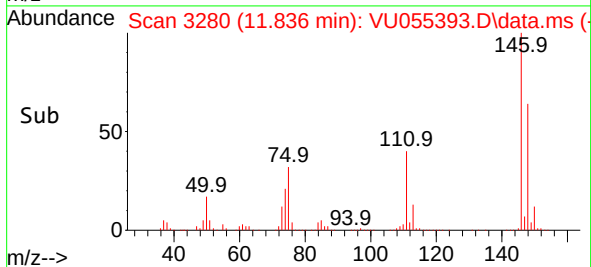
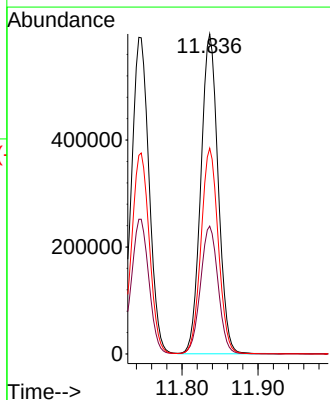
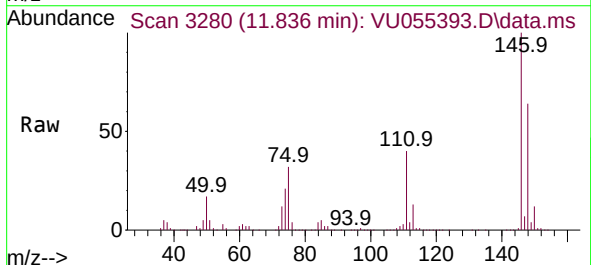
Instrument :
MSVOA_U
ClientSampleId :

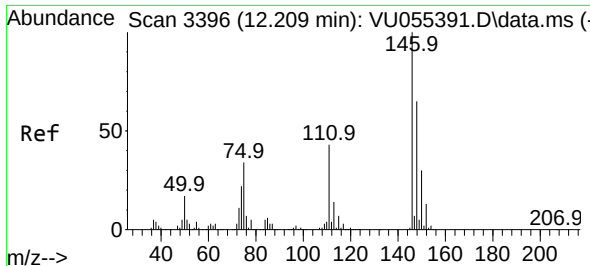
Tgt Ion:146 Resp: 952153
Ion Ratio Lower Upper
146 100
111 42.5 28.8 53.6
148 62.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 17.431 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055393.D
Acq: 19 Sep 2023 15:25

Tgt Ion:146 Resp: 943576
Ion Ratio Lower Upper
146 100
111 40.0 29.0 53.8
148 64.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 17.374 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

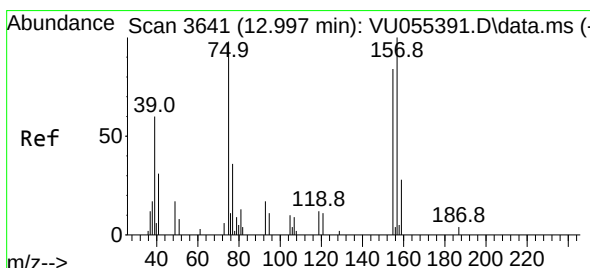
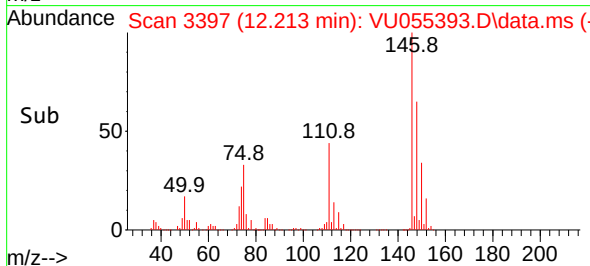
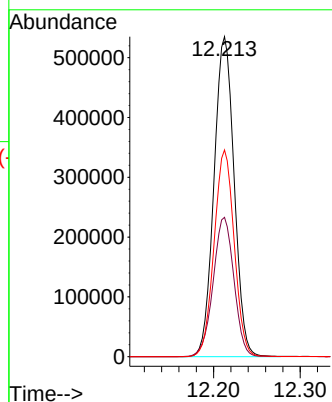
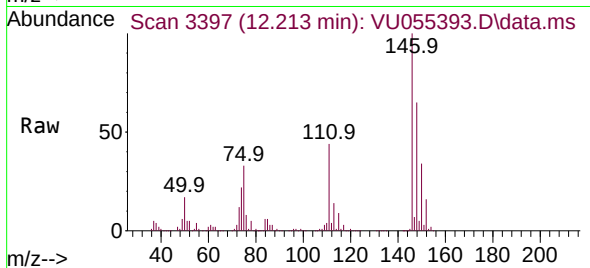
Tgt Ion:146 Resp: 865003

Ion Ratio Lower Upper

146 100

111 43.5 34.6 52.0

148 64.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 18.968 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

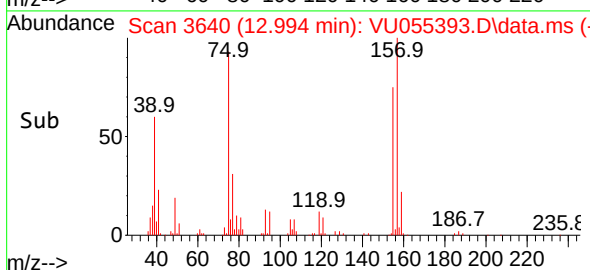
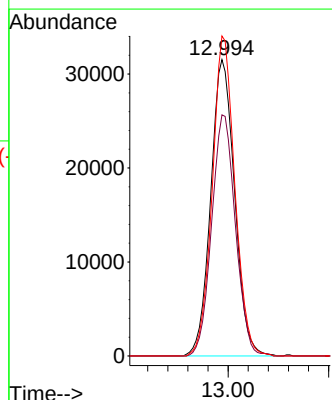
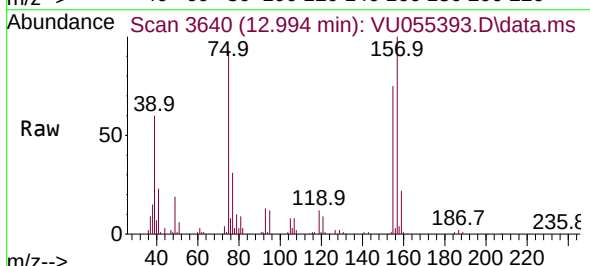
Tgt Ion: 75 Resp: 52072

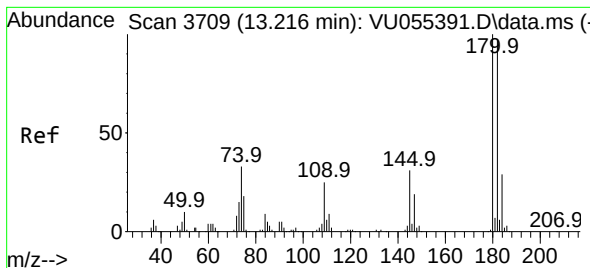
Ion Ratio Lower Upper

75 100

155 81.4 69.2 103.8

157 108.0 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 17.388 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

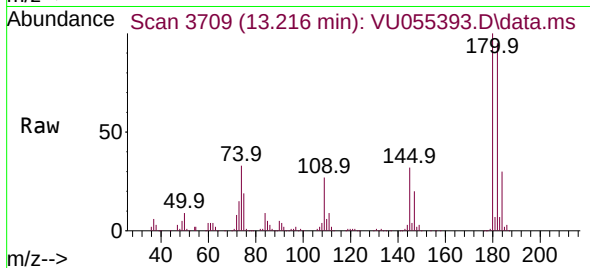
Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 661960

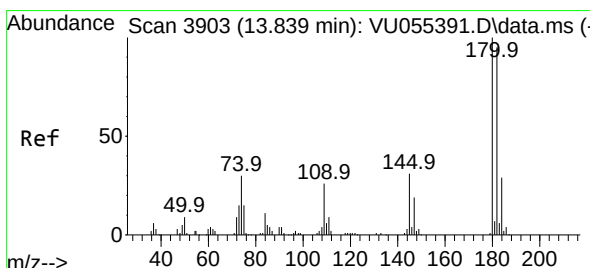
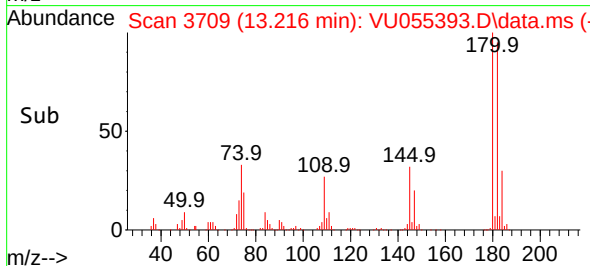
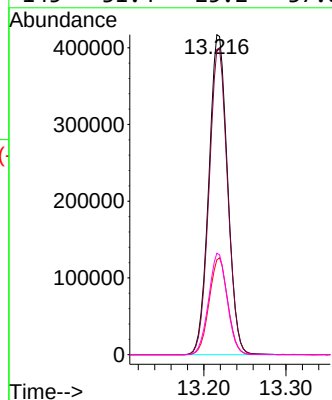
Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

184 30.0 24.0 36.0

145 31.4 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 17.944 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

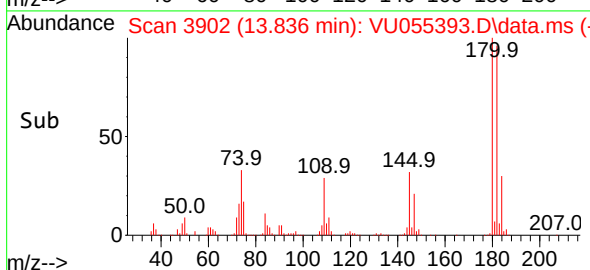
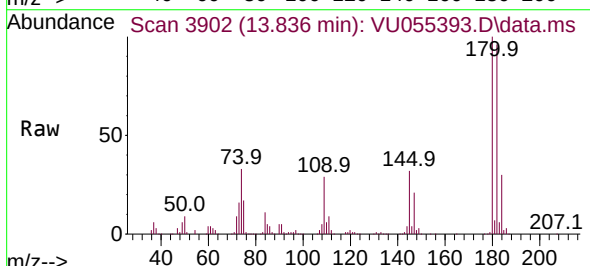
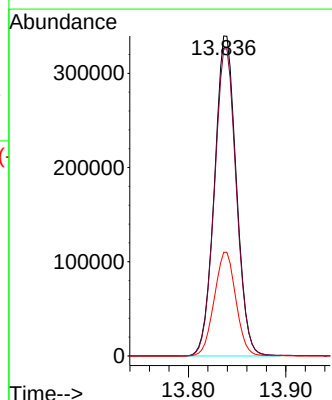
Tgt Ion:180 Resp: 528586

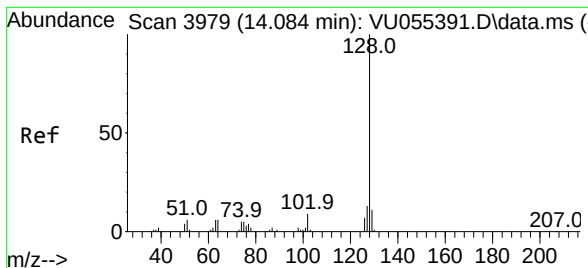
Ion Ratio Lower Upper

180 100

182 96.4 76.4 114.6

145 32.1 25.4 38.0





#71

Naphthalene

Concen: 19.643 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

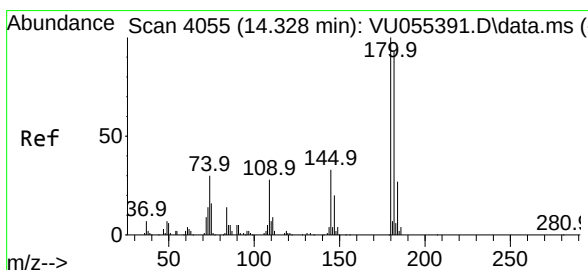
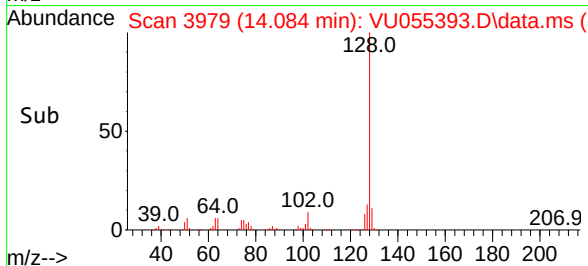
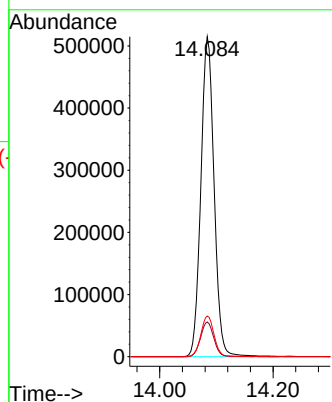
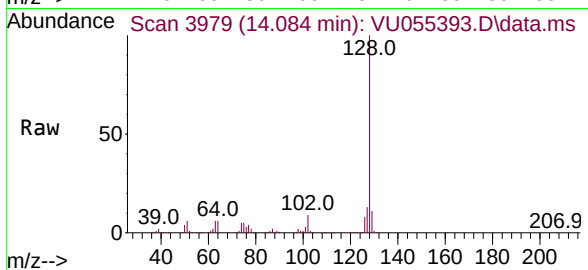
Tgt Ion:128 Resp: 834054

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 12.7 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 18.060 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU055393.D

Acq: 19 Sep 2023 15:25

Tgt Ion:180 Resp: 464005

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 33.6 26.0 39.0

