

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053092.D
 Acq On : 14 Feb 2023 12:21
 Operator : JC/MD
 Sample : VSTD00579
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005079

Quant Time: Feb 15 00:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	251352	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	230109	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	11174	4.791	ug/L	0.00
7) Chloroethane-d5	1.913	69	8784	4.603	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	18550	5.060	ug/L	0.00
21) 2-Butanone-d5	4.633	46	10832	11.221	ug/L	0.00
24) Chloroform-d	5.058	84	18676	4.762	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	12315	5.179	ug/L	0.00
32) Benzene-d6	5.723	84	38635	4.970	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	12590	5.169	ug/L	0.00
41) Toluene-d8	7.894	98	35419	4.719	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	6308	4.827	ug/L	0.00
47) 2-Hexanone-d5	8.633	63	8262	10.871	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	16585	4.998	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	11963	4.829	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	12076	5.735	ug/L	98
3) Chloromethane	1.518	50	12622	6.426	ug/L	99
5) Vinyl chloride	1.604	62	12822	5.450	ug/L	96
6) Bromomethane	1.858	94	8347	5.274	ug/L	94
8) Chloroethane	1.936	64	7877	5.482	ug/L	99
9) Trichlorofluoromethane	2.135	101	16397	4.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.582	101	9589	5.388	ug/L	97
12) 1,1-Dichloroethene	2.579	96	9302	5.497	ug/L	89
13) Acetone	2.640	43	7574	9.322	ug/L	94
14) Carbon disulfide	2.791	76	31066	6.072	ug/L	99
15) Methyl Acetate	2.952	43	8207	6.371	ug/L	94
16) Methylene chloride	3.042	84	10932	5.376	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	9272	5.161	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	29703	5.226	ug/L	95
19) 1,1-Dichloroethane	3.862	63	17395	5.478	ug/L	98
20) cis-1,2-Dichloroethene	4.659	96	10725	5.293	ug/L	100
22) 2-Butanone	4.717	43	11067	10.986	ug/L	97
23) Bromochloromethane	4.971	128	4814	4.474	ug/L	86
25) Chloroform	5.087	83	18279	5.270	ug/L	99
27) 1,2-Dichloroethane	5.791	62	13931	5.507	ug/L	97
29) Cyclohexane	5.382	56	16339	5.682	ug/L	97
30) 1,1,1-Trichloroethane	5.312	97	15476	5.118	ug/L	98
31) Carbon tetrachloride	5.521	117	12674	4.816	ug/L	98
33) Benzene	5.771	78	39311	5.398	ug/L	100
34) Trichloroethene	6.540	95	10200	5.198	ug/L	97
35) Methylcyclohexane	6.759	83	17548	5.243	ug/L	98
37) 1,2-Dichloropropane	6.787	63	11078	5.880	ug/L	100
38) Bromodichloromethane	7.099	83	13213	5.002	ug/L #	98
39) cis-1,3-Dichloropropene	7.601	75	17498	5.468	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	24562	13.221	ug/L	98
42) Toluene	7.968	91	41842	5.148	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	15619	5.068	ug/L	99

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 Sample : VSTD00579
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 ALS Vial : 3 Sample Multiplier: 1

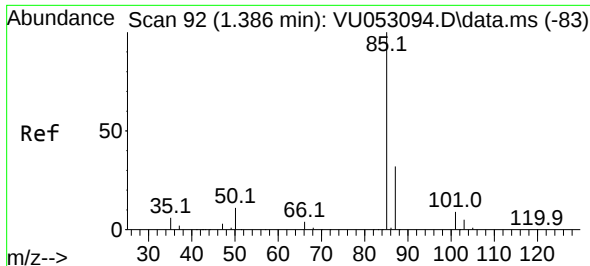
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005079

Quant Time: Feb 15 00:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.395	97	9710	5.120	ug/L	96
46) Tetrachloroethene	8.549	164	6635	4.422	ug/L	95
48) 2-Hexanone	8.681	43	21112	14.412	ug/L	96
49) Dibromochloromethane	8.803	129	9936	4.507	ug/L	93
50) 1,2-Dibromoethane	8.919	107	10242	5.000	ug/L	94
51) Chlorobenzene	9.443	112	25808	4.968	ug/L	99
52) Ethylbenzene	9.566	91	45880	5.102	ug/L	99
53) m,p-Xylene	9.691	106	16890	4.793	ug/L	99
54) o-xylene	10.096	106	17034	4.893	ug/L	91
55) Styrene	10.112	104	27398	4.694	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	15879	5.367	ug/L	98
59) Bromoform	10.286	173	6590	4.566	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	12504	6.502	ug/L	98
61) Isopropylbenzene	10.479	105	44278	5.567	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	37695	5.447	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	37474	5.582	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	18592	5.342	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	19455	5.533	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	19010	5.407	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	3639	6.239	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.215	180	13342	5.107	ug/L	96
70) 1,2,4-trichlorobenzene	13.835	180	13611	5.784	ug/L	100
71) Naphthalene	14.083	128	64765	8.962	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	14540	6.298	ug/L	99

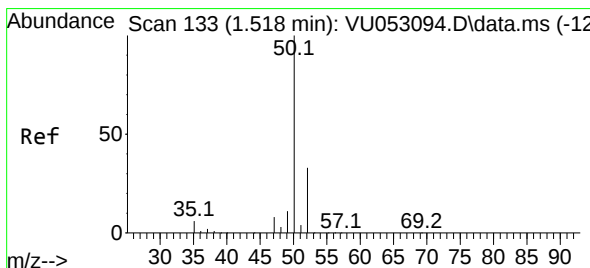
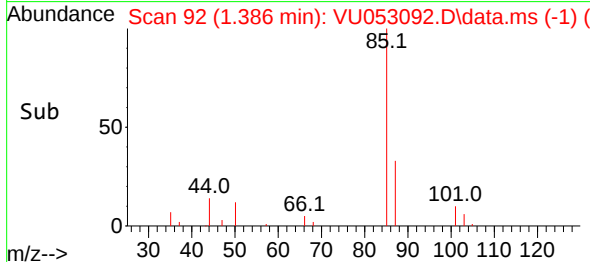
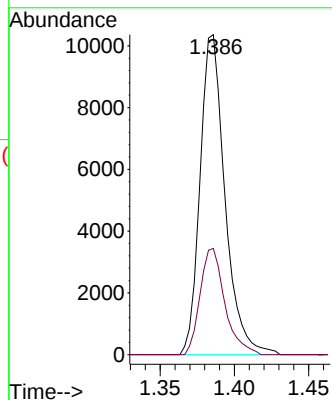
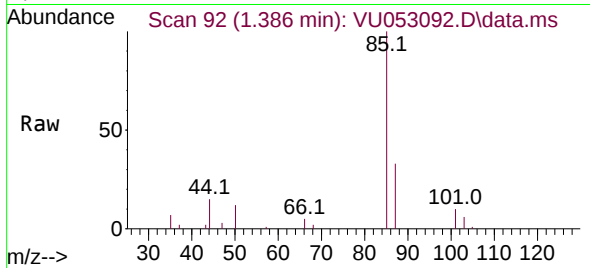
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.735 ug/L
RT: 1.386 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

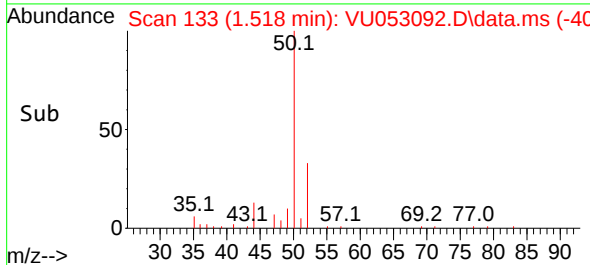
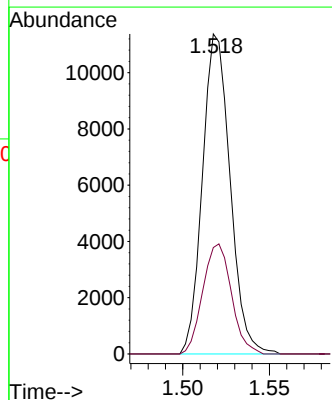
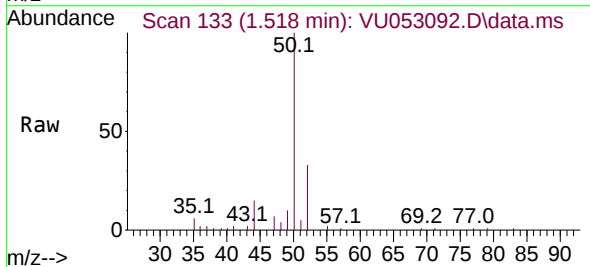
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

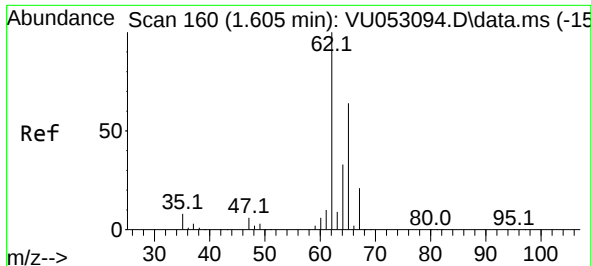
Tgt Ion: 85 Resp: 12076
Ion Ratio Lower Upper
85 100
87 32.9 25.6 38.4



#3
Chloromethane
Concen: 6.426 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 50 Resp: 12622
Ion Ratio Lower Upper
50 100
52 33.3 22.8 42.4

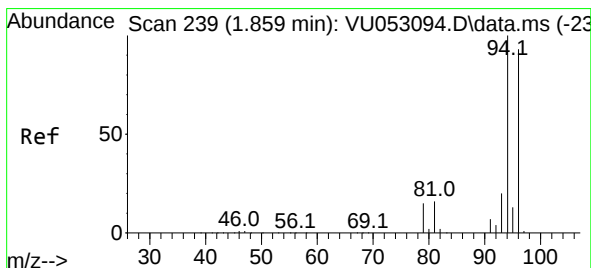
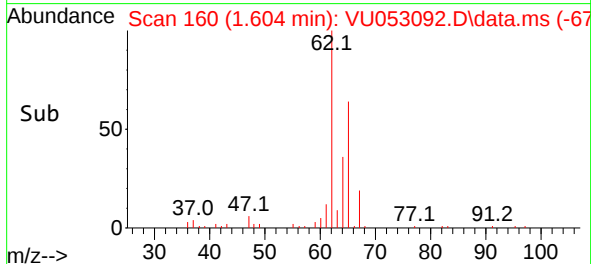
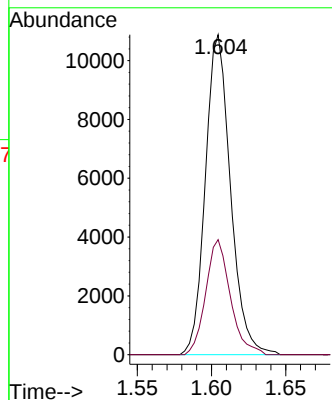
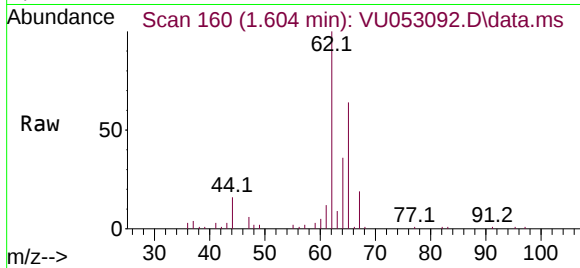




#5
 Vinyl chloride
 Concen: 5.450 ug/L
 RT: 1.604 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU053092.D
 Acq: 14 Feb 2023 12:21

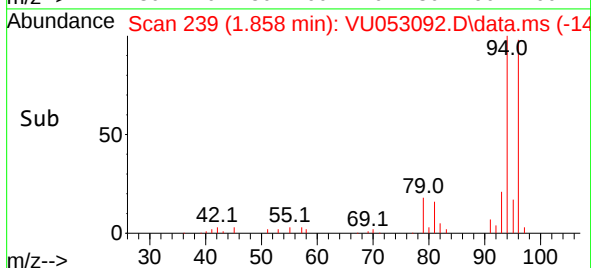
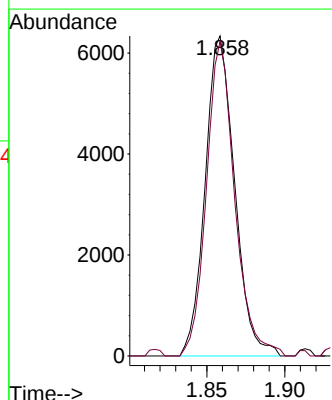
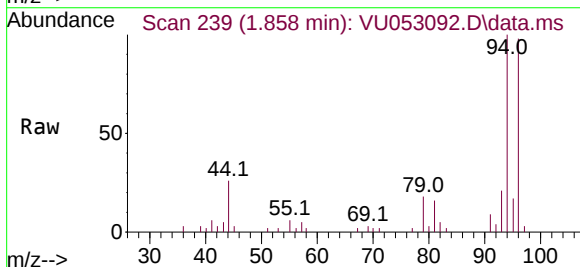
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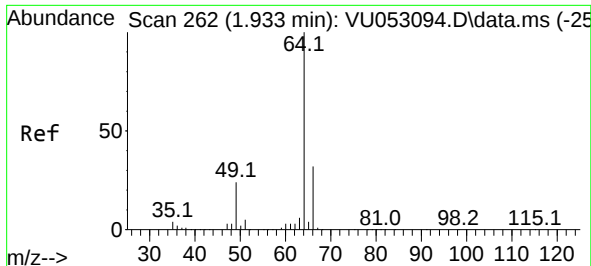
Tgt Ion: 62 Resp: 12822
 Ion Ratio Lower Upper
 62 100
 64 36.0 23.4 43.6



#6
 Bromomethane
 Concen: 5.274 ug/L
 RT: 1.858 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053092.D
 Acq: 14 Feb 2023 12:21

Tgt Ion: 94 Resp: 8347
 Ion Ratio Lower Upper
 94 100
 96 98.2 65.0 120.8

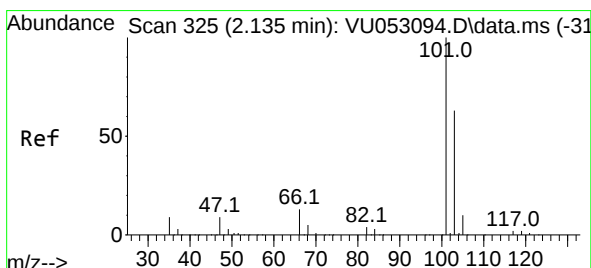
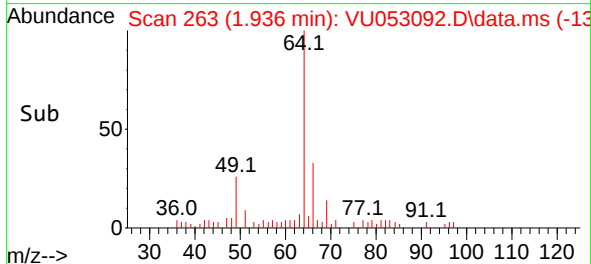
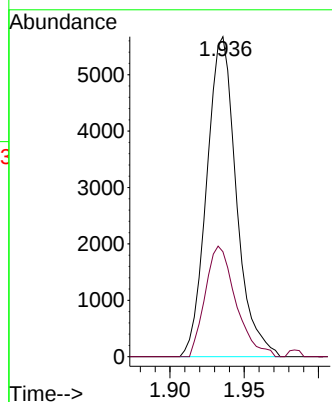
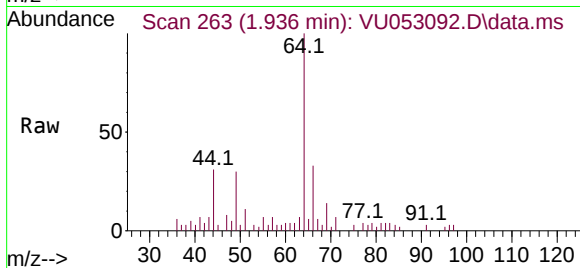




#8
Chloroethane
Concen: 5.482 ug/L
RT: 1.936 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

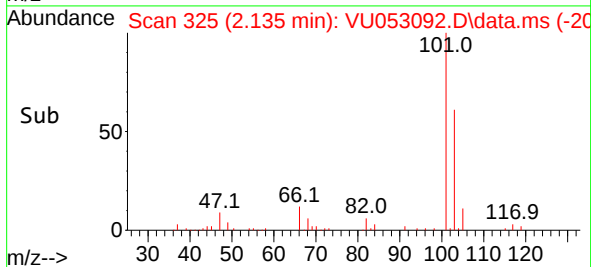
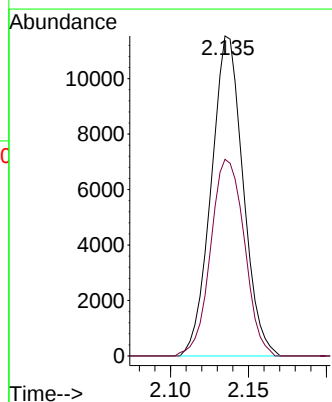
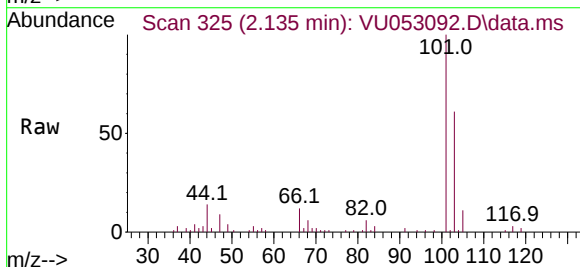
Instrument :
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ClientSampleId :
VSTD005079

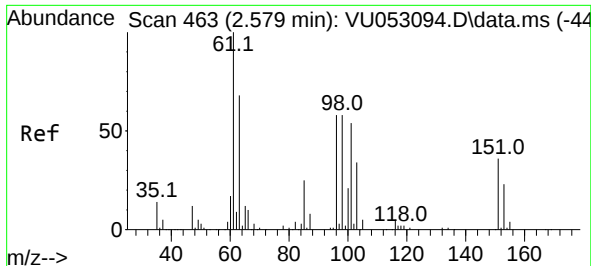
Tgt Ion: 64 Resp: 7877
Ion Ratio Lower Upper
64 100
66 32.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.732 ug/L
RT: 2.135 min Scan# 325
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion:101 Resp: 16397
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0

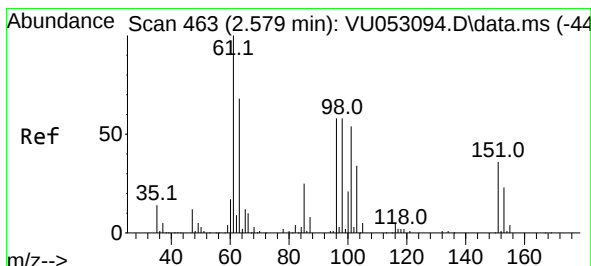
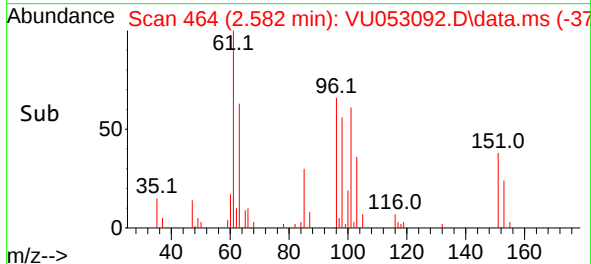
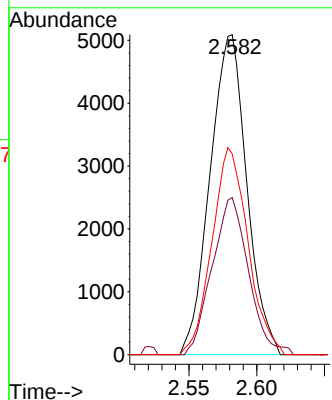
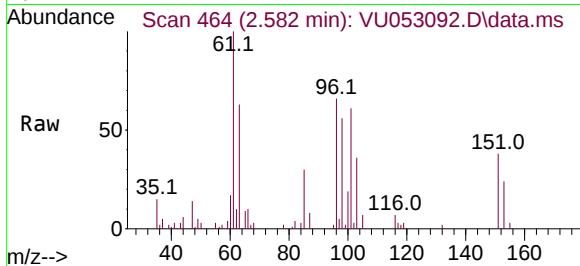




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.388 ug/L
RT: 2.582 min Scan# 464
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

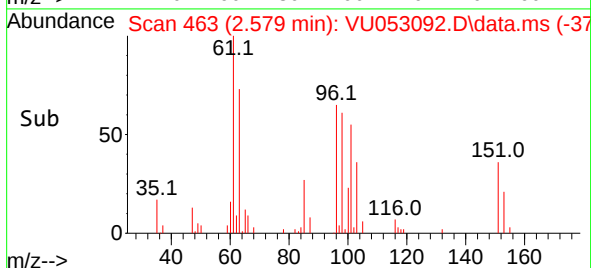
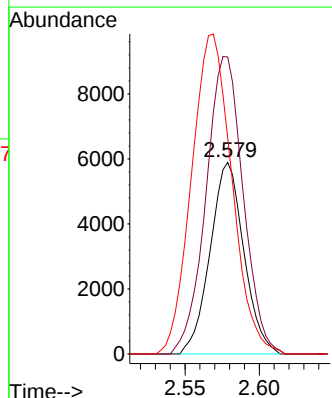
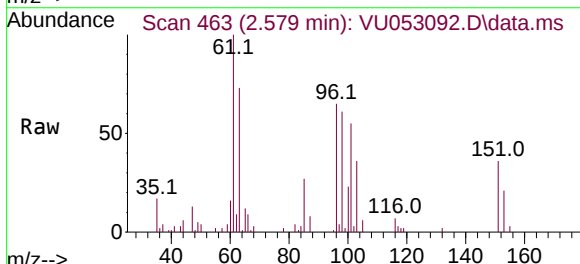
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

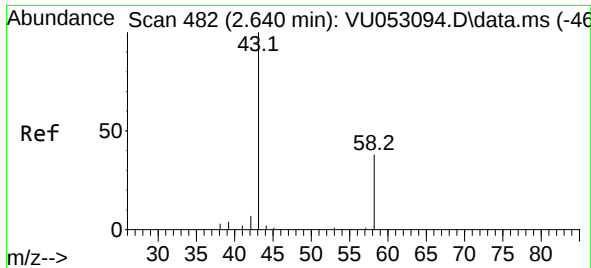
Tgt Ion:101 Resp: 9589
Ion Ratio Lower Upper
101 100
85 48.6 36.6 54.8
151 63.6 52.6 79.0



#12
1,1-Dichloroethene
Concen: 5.497 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 96 Resp: 9302
Ion Ratio Lower Upper
96 100
61 155.0 121.9 226.3
63 112.7 84.2 156.4





#13

Acetone

Concen: 9.322 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

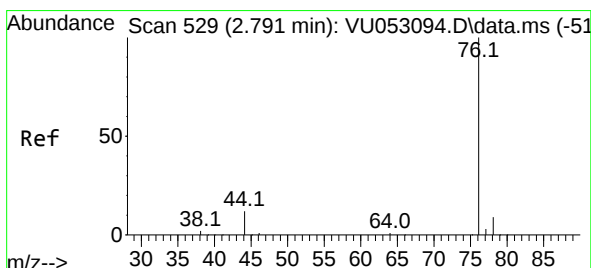
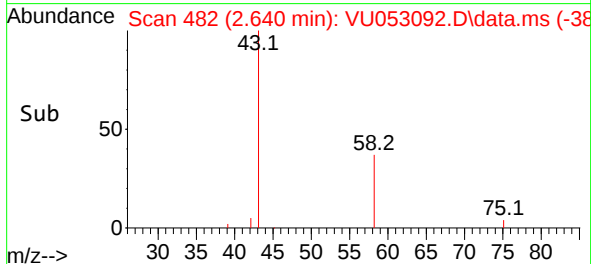
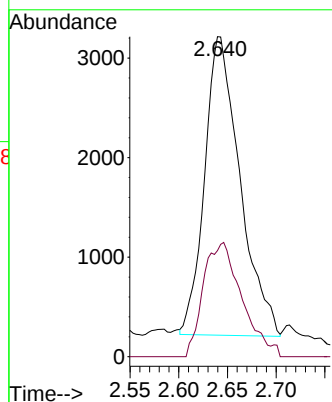
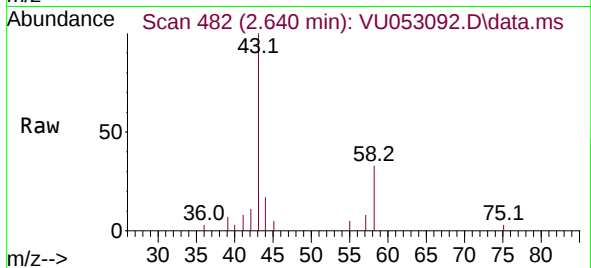
VSTD005079

Tgt Ion: 43 Resp: 7574

Ion Ratio Lower Upper

43 100

58 41.1 0.0 74.6



#14

Carbon disulfide

Concen: 6.072 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053092.D

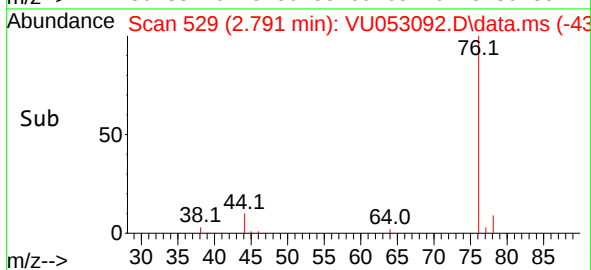
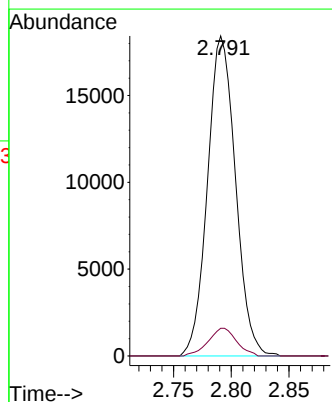
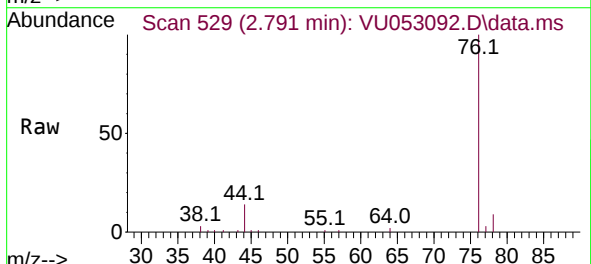
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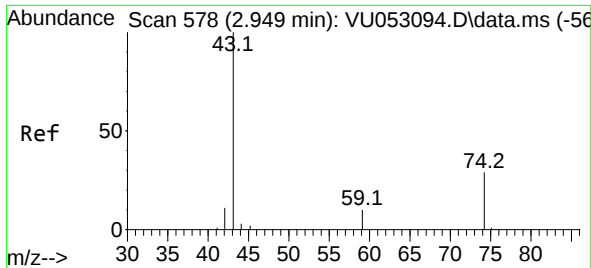
Tgt Ion: 76 Resp: 31066

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

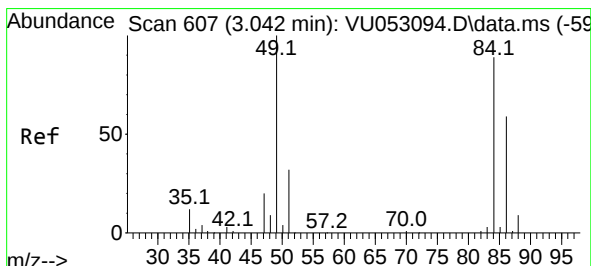
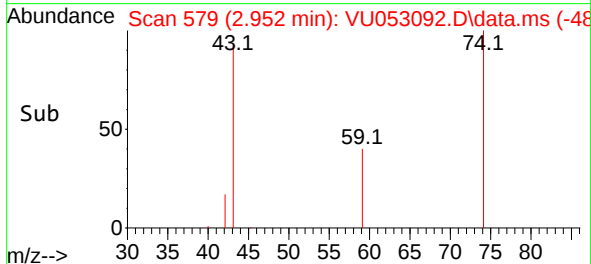
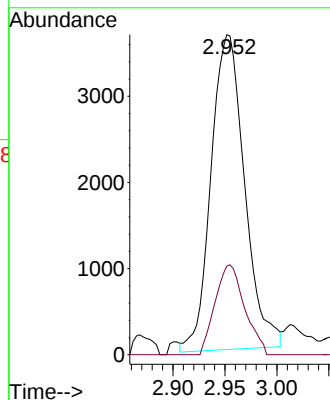
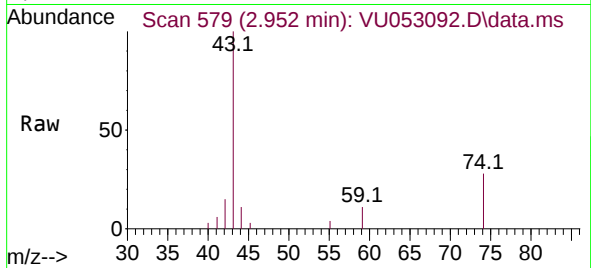




#15
Methyl Acetate
Concen: 6.371 ug/L
RT: 2.952 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

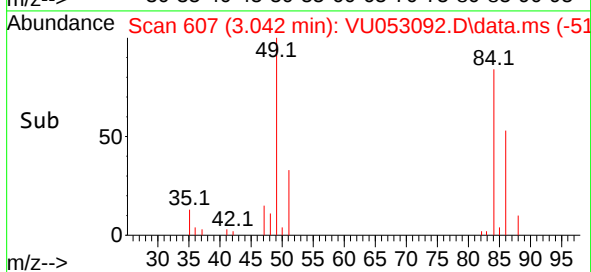
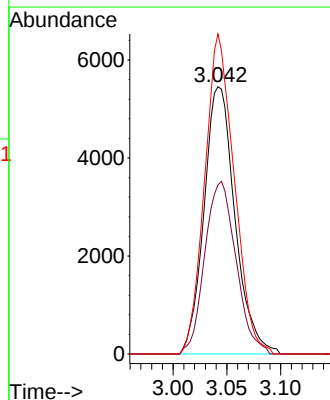
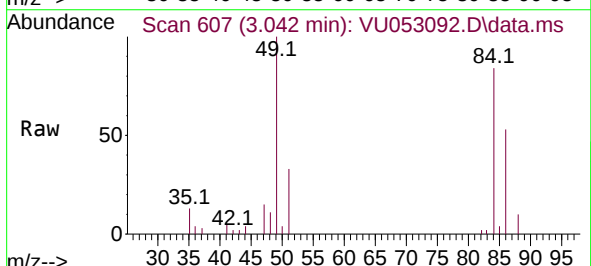
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ClientSampleId :
VSTD005079

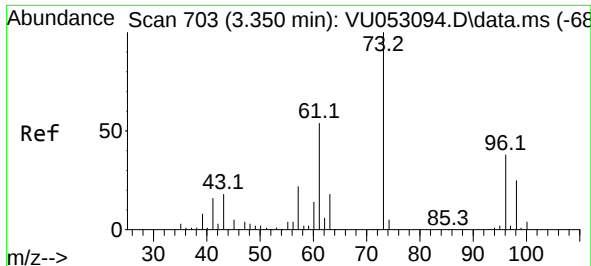
Tgt Ion: 43 Resp: 8207
Ion Ratio Lower Upper
43 100
74 25.1 22.7 34.1



#16
Methylene chloride
Concen: 5.376 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 84 Resp: 10932
Ion Ratio Lower Upper
84 100
86 63.2 46.2 85.8
49 119.7 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 5.161 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

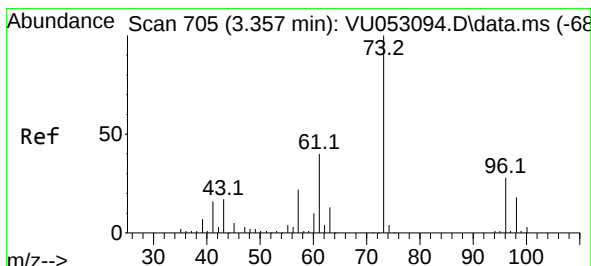
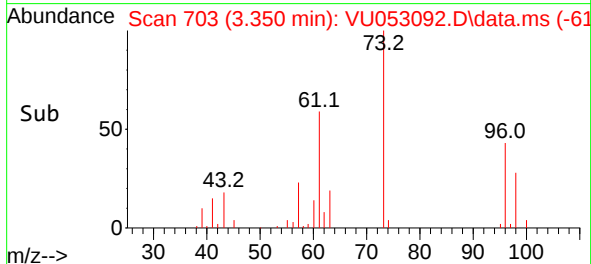
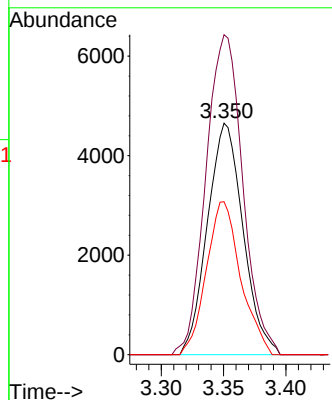
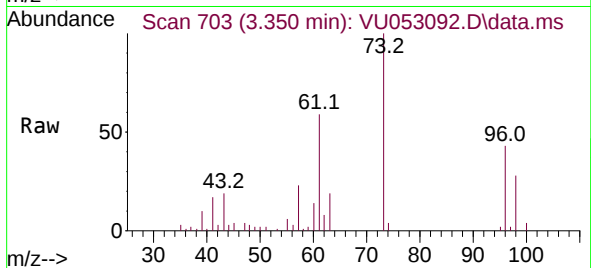
Tgt Ion: 96 Resp: 9272

Ion Ratio Lower Upper

96 100

61 138.2 99.2 184.2

98 66.1 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 5.226 ug/L

RT: 3.357 min Scan# 705

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

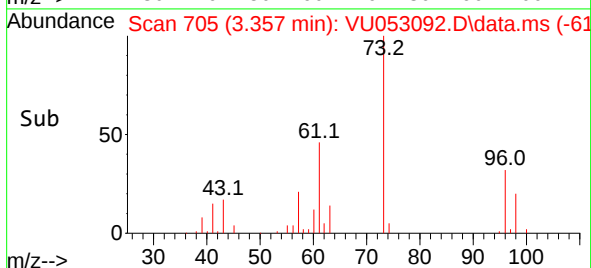
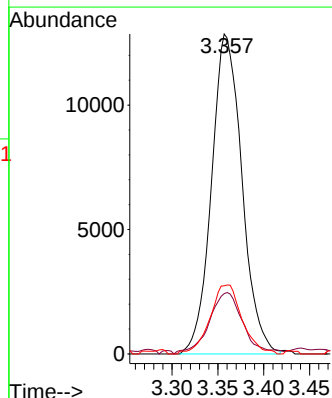
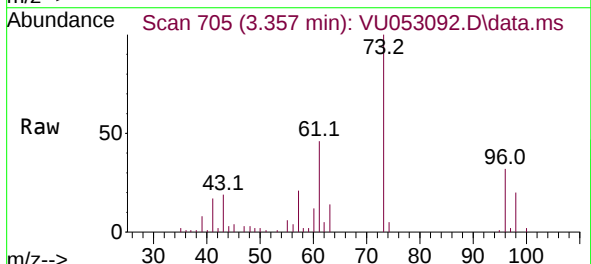
Tgt Ion: 73 Resp: 29703

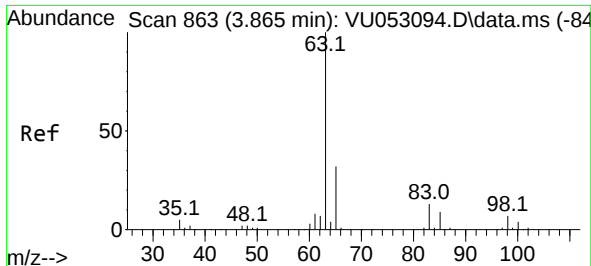
Ion Ratio Lower Upper

73 100

43 20.9 14.1 21.1

57 20.6 17.4 26.0





#19

1,1-Dichloroethane

Concen: 5.478 ug/L

RT: 3.862 min Scan# 8

Delta R.T. -0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

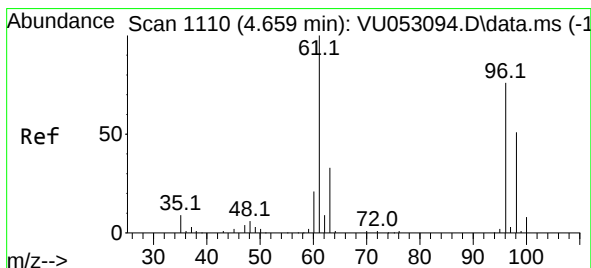
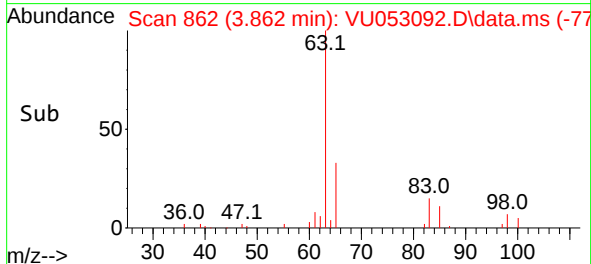
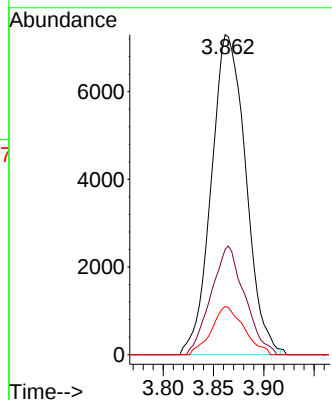
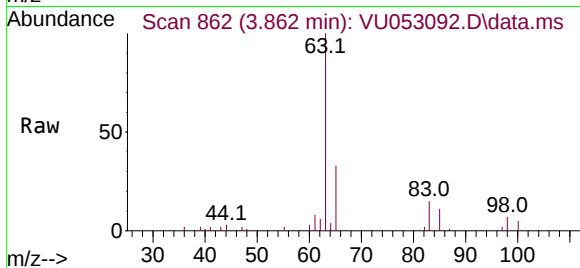
Tgt Ion: 63 Resp: 17395

Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

83 15.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 5.293 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

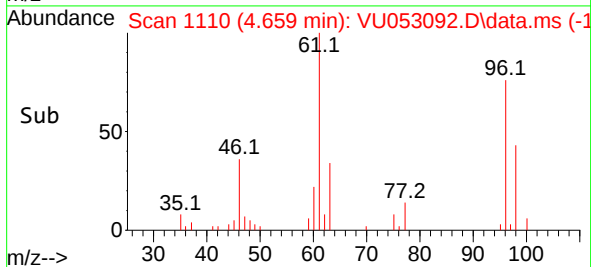
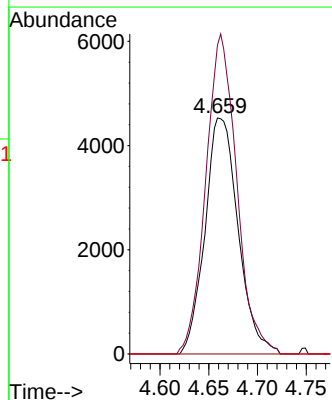
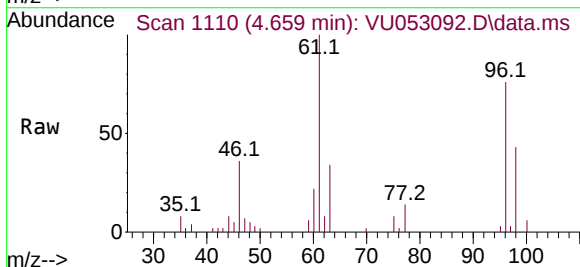
Tgt Ion: 96 Resp: 10725

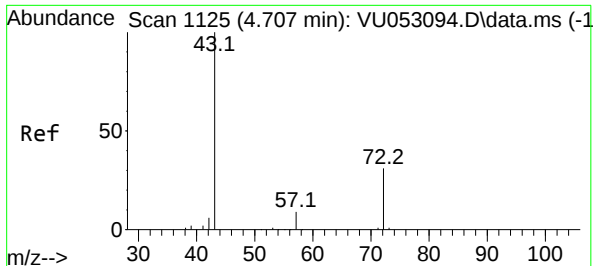
Ion Ratio Lower Upper

96 100

61 130.9 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 10.986 ug/L

RT: 4.717 min Scan# 1125

Delta R.T. 0.009 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

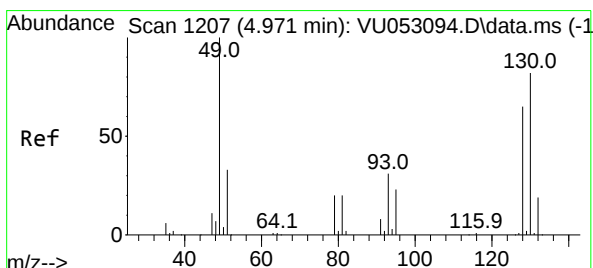
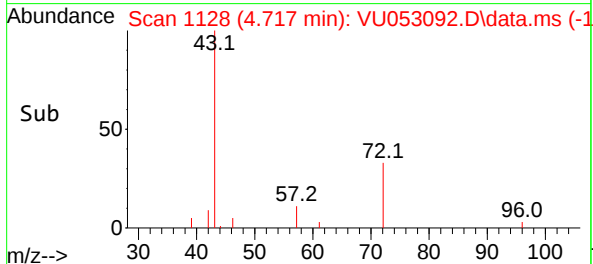
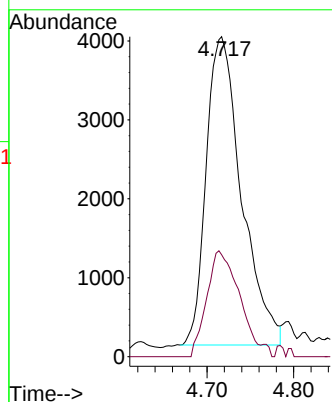
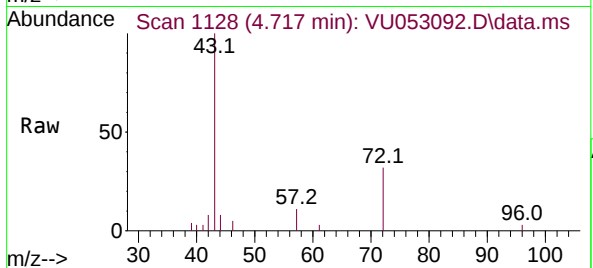
VSTD005079

Tgt Ion: 43 Resp: 11067

Ion Ratio Lower Upper

43 100

72 31.4 16.6 49.7



#23

Bromochloromethane

Concen: 4.474 ug/L

RT: 4.971 min Scan# 1207

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Tgt Ion: 128 Resp: 4814

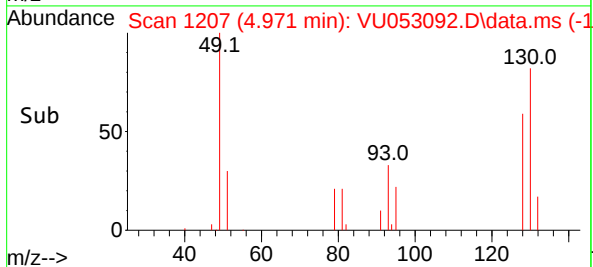
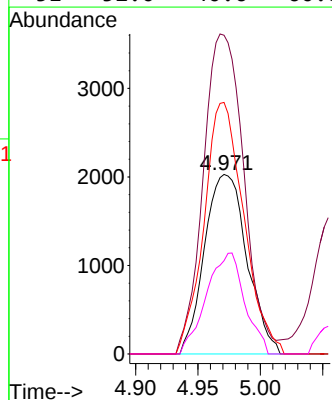
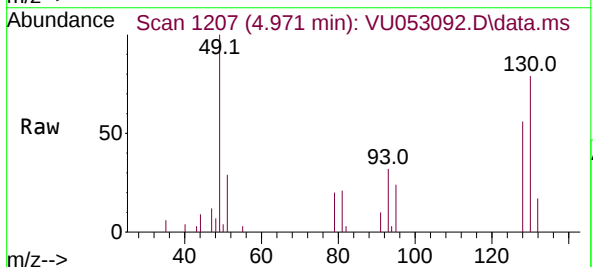
Ion Ratio Lower Upper

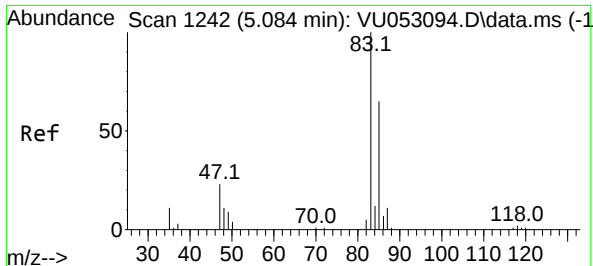
128 100

49 177.6 107.6 199.8

130 140.1 87.9 163.3

51 52.0 40.6 60.8





#25

Chloroform

Concen: 5.270 ug/L

RT: 5.087 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

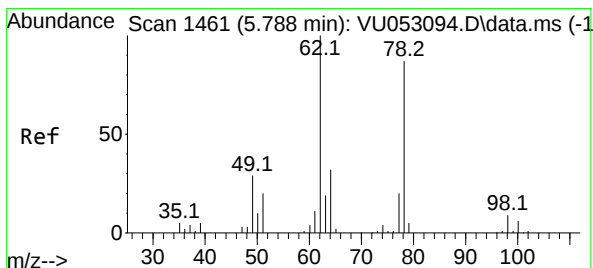
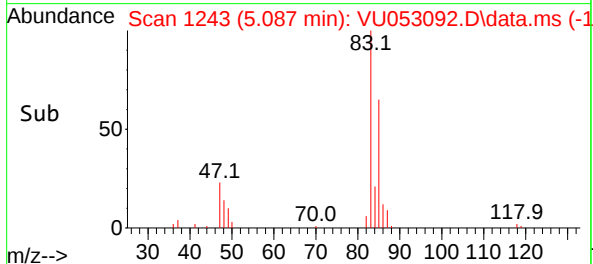
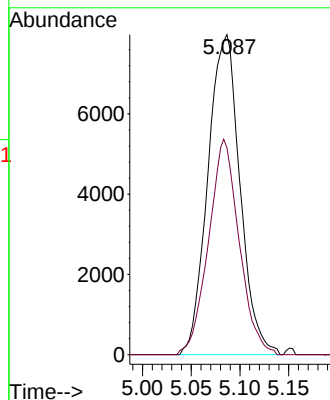
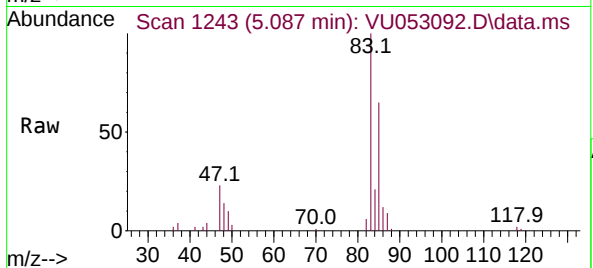
VSTD005079

Tgt Ion: 83 Resp: 18279

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.507 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.003 min

Lab File: VU053092.D

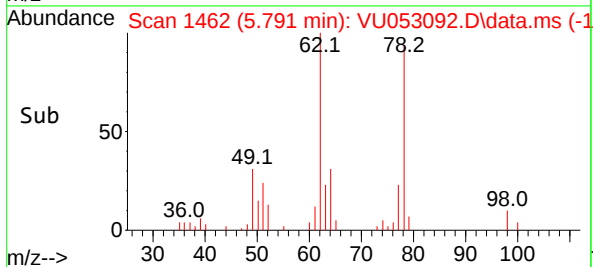
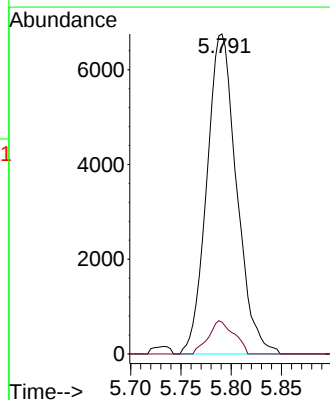
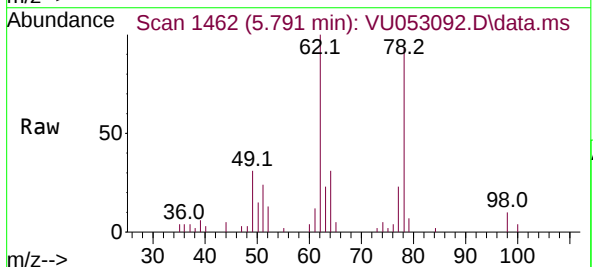
Acq: 14 Feb 2023 12:21

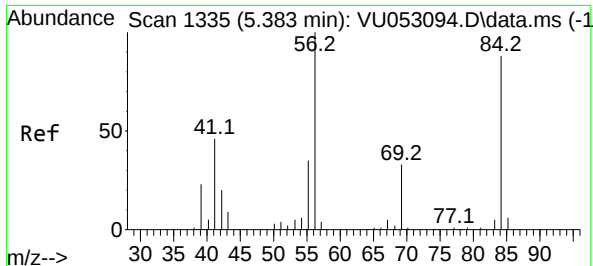
Tgt Ion: 62 Resp: 13931

Ion Ratio Lower Upper

62 100

98 9.9 7.2 10.8





#29

Cyclohexane

Concen: 5.682 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

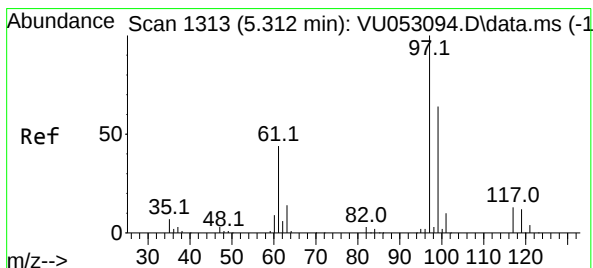
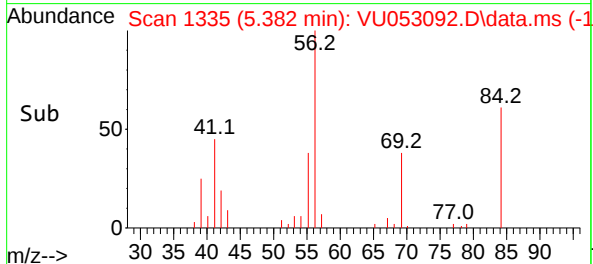
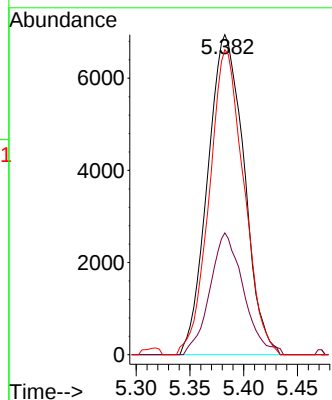
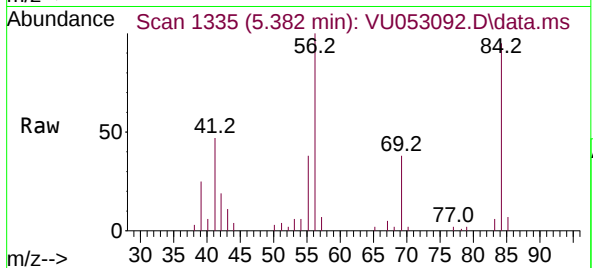
Tgt Ion: 56 Resp: 16339

Ion Ratio Lower Upper

56 100

69 35.1 25.9 38.9

84 90.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 5.118 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

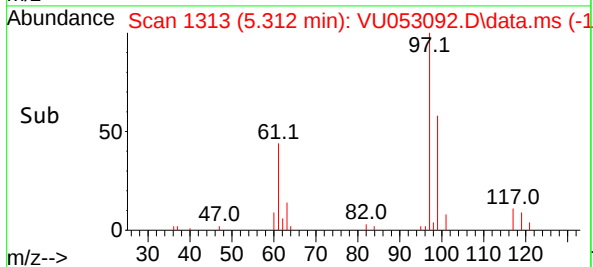
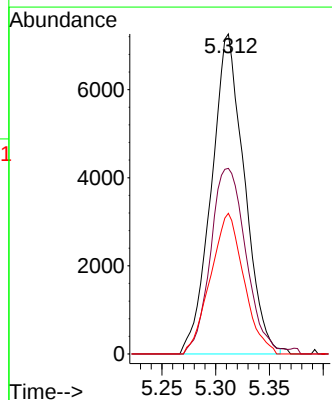
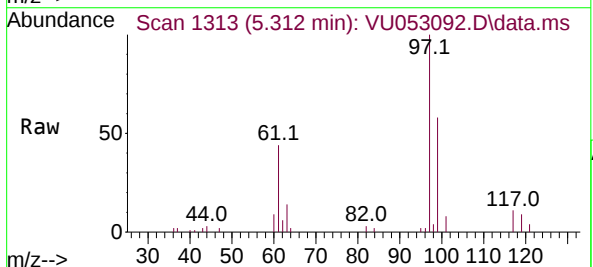
Tgt Ion: 97 Resp: 15476

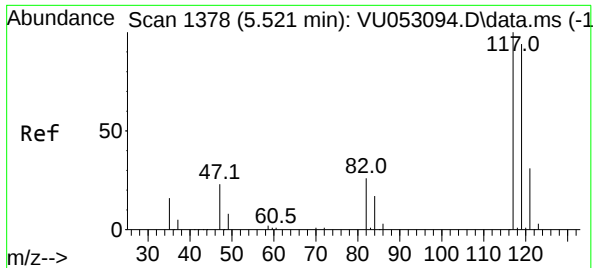
Ion Ratio Lower Upper

97 100

99 62.2 51.3 76.9

61 44.5 35.3 52.9

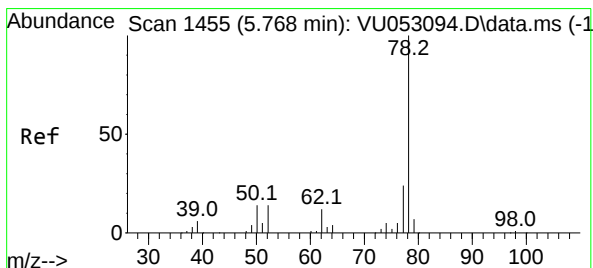
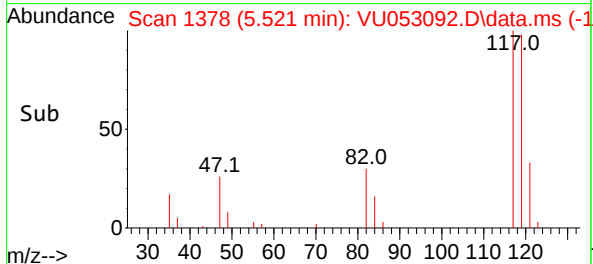
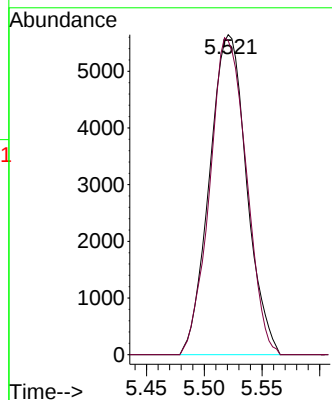
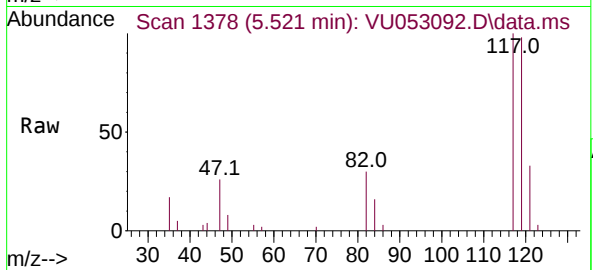




#31
Carbon tetrachloride
Concen: 4.816 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

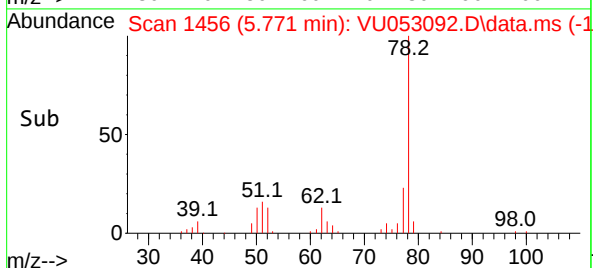
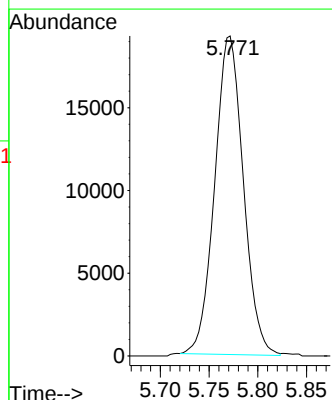
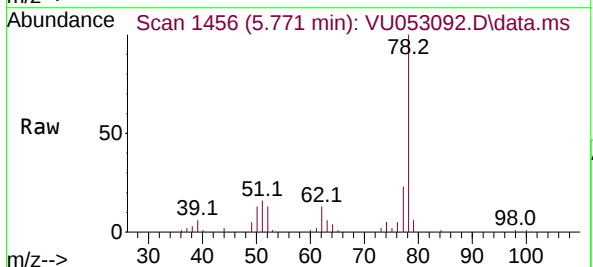
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

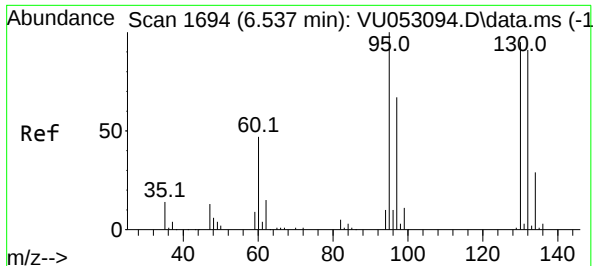
Tgt Ion:117 Resp: 12674
Ion Ratio Lower Upper
117 100
119 97.1 75.9 113.9



#33
Benzene
Concen: 5.398 ug/L
RT: 5.771 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 78 Resp: 39311



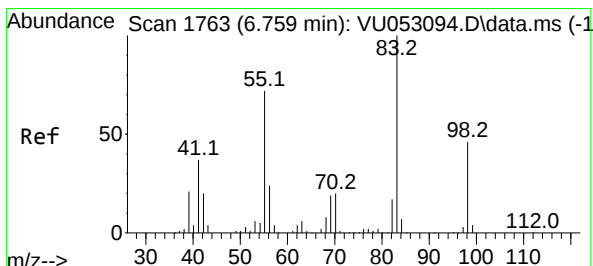
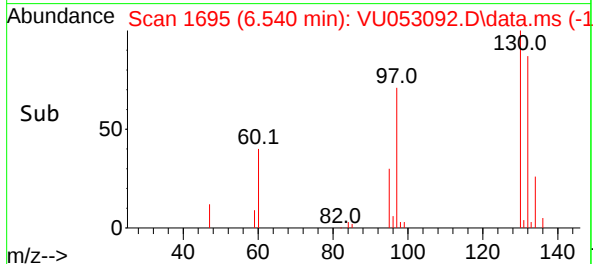
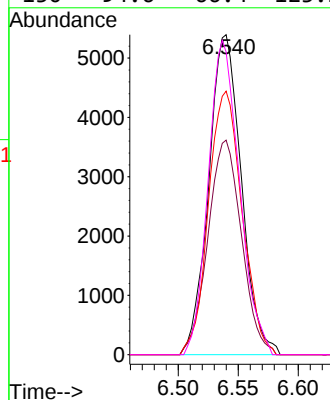
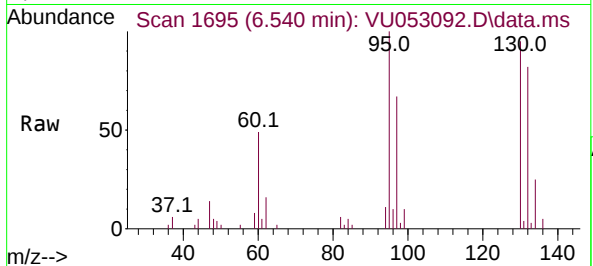


#34
Trichloroethene
Concen: 5.198 ug/L
RT: 6.540 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

Tgt Ion: 95 Resp: 10200

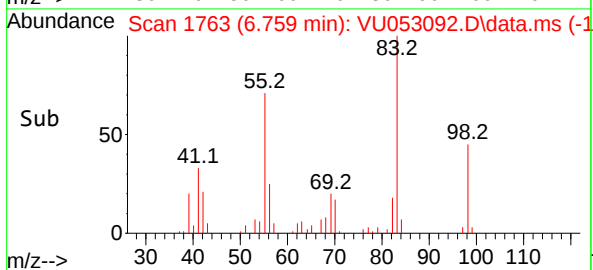
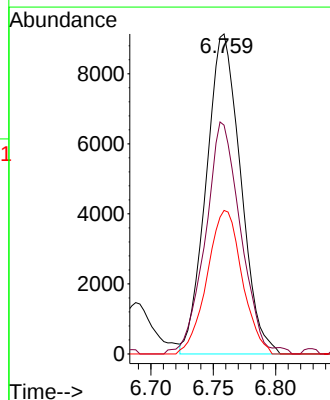
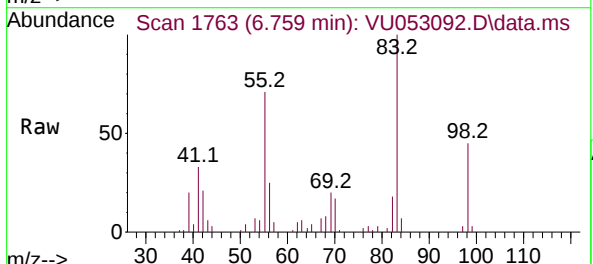
Ion	Ratio	Lower	Upper
95	100		
97	67.1	47.1	87.5
132	82.4	63.6	118.2
130	94.6	66.4	123.2

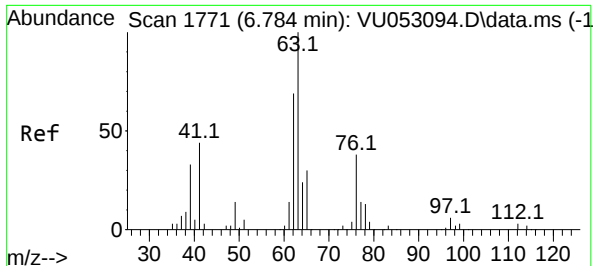


#35
Methylcyclohexane
Concen: 5.243 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 83 Resp: 17548

Ion	Ratio	Lower	Upper
83	100		
55	69.7	57.4	86.2
98	45.6	36.1	54.1





#37

1,2-Dichloropropane

Concen: 5.880 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

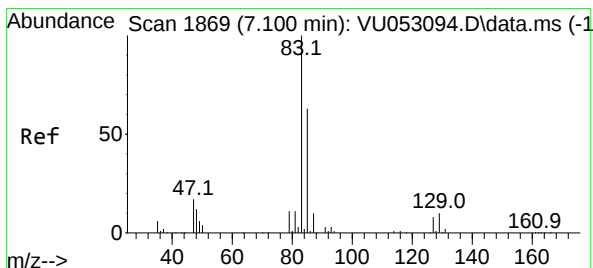
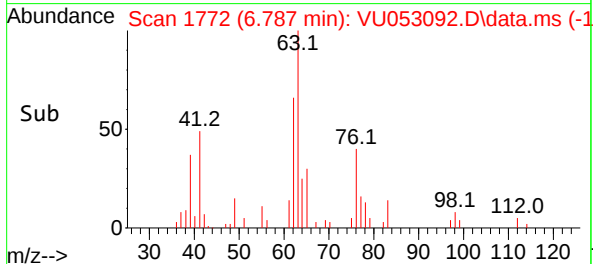
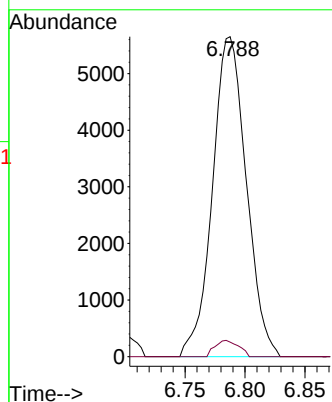
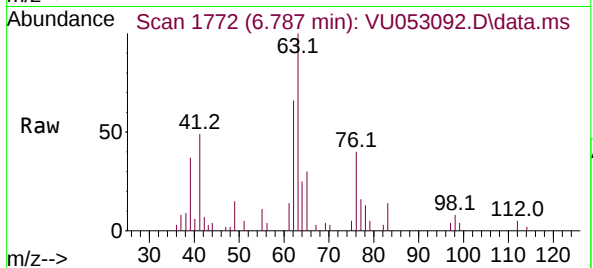
VSTD005079

Tgt Ion: 63 Resp: 11078

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



#38

Bromodichloromethane

Concen: 5.002 ug/L

RT: 7.099 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

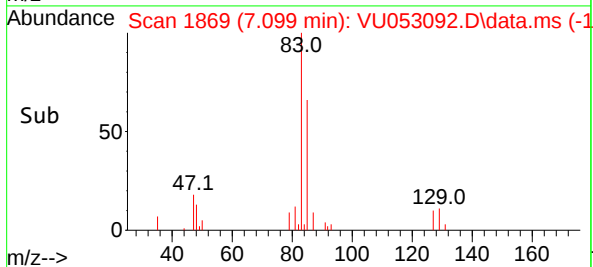
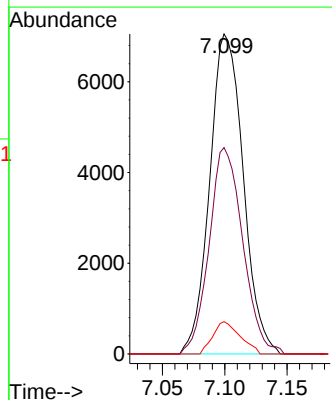
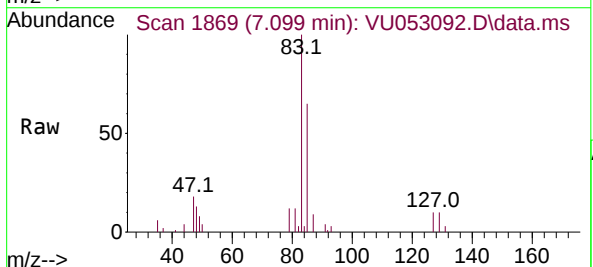
Tgt Ion: 83 Resp: 13213

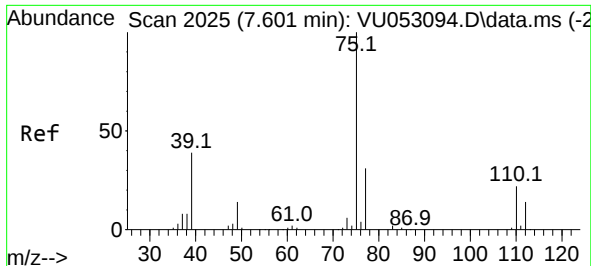
Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.0

127 10.1 6.2 9.2#





#39

cis-1,3-Dichloropropene

Concen: 5.468 ug/L

RT: 7.601 min Scan# 2025

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

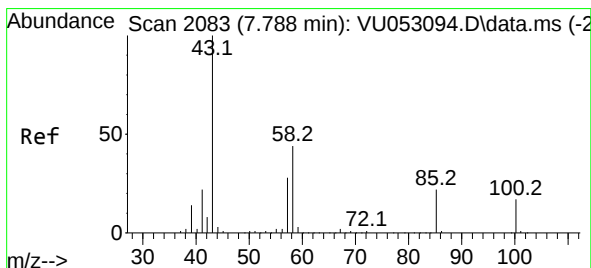
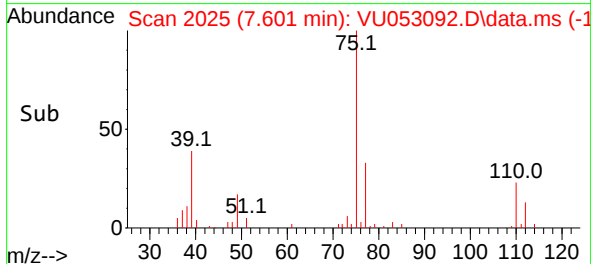
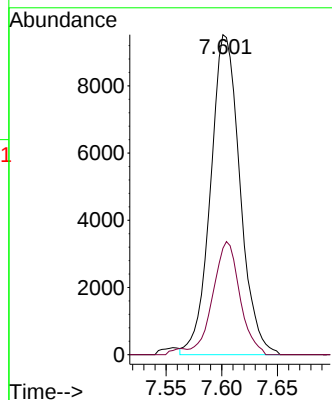
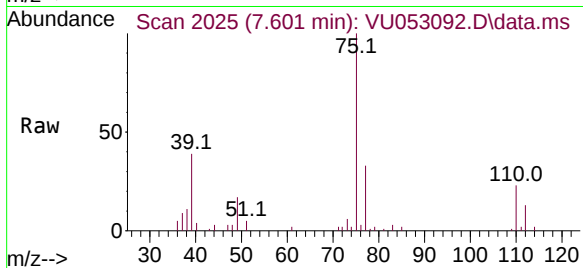
VSTD005079

Tgt Ion: 75 Resp: 17498

Ion Ratio Lower Upper

75 100

77 33.2 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 13.221 ug/L

RT: 7.787 min Scan# 2083

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

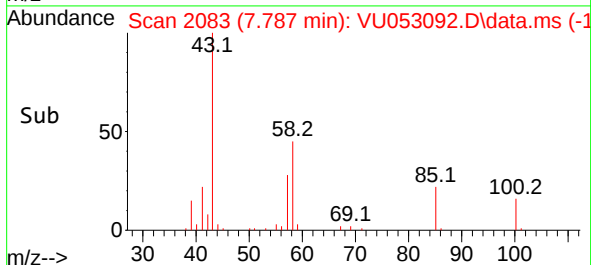
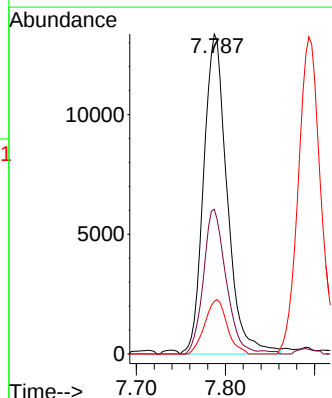
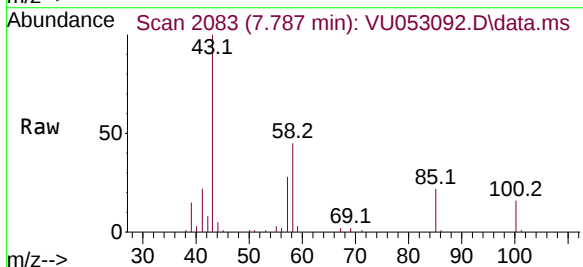
Tgt Ion: 43 Resp: 24562

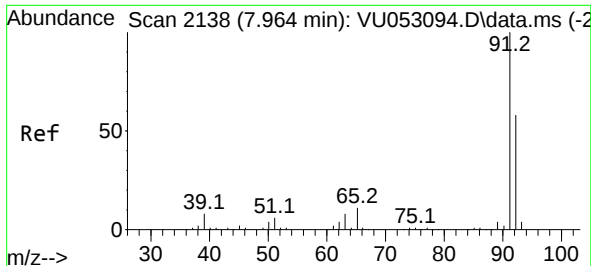
Ion Ratio Lower Upper

43 100

58 43.3 35.9 53.9

100 16.0 13.7 20.5





#42

Toluene

Concen: 5.148 ug/L

RT: 7.968 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

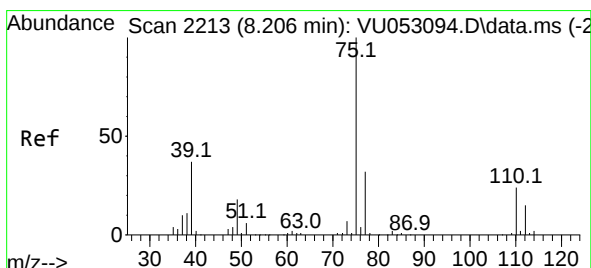
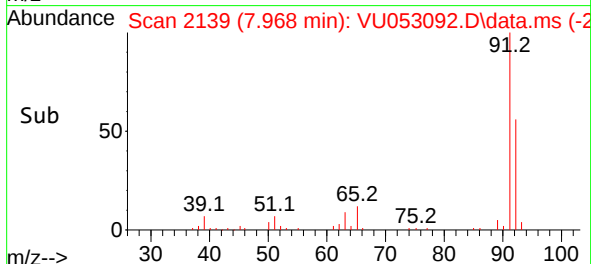
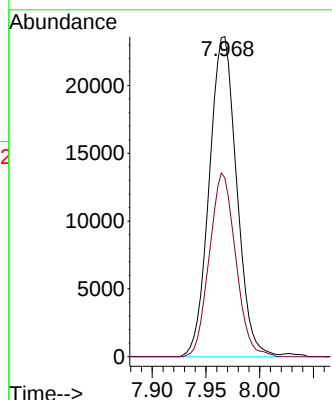
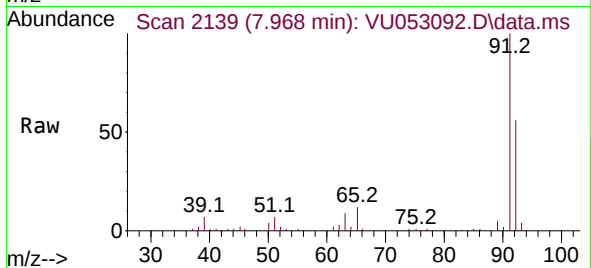
VSTD005079

Tgt Ion: 91 Resp: 41842

Ion Ratio Lower Upper

91 100

92 55.9 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.068 ug/L

RT: 8.205 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053092.D

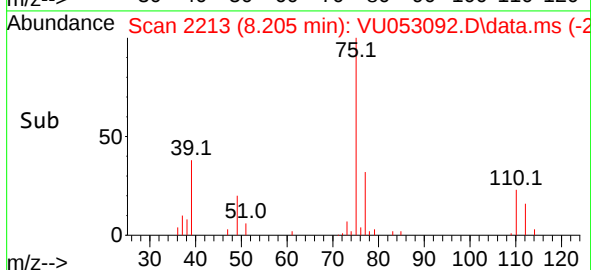
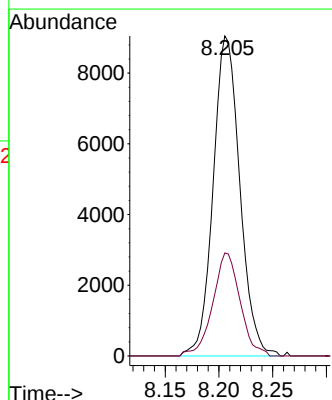
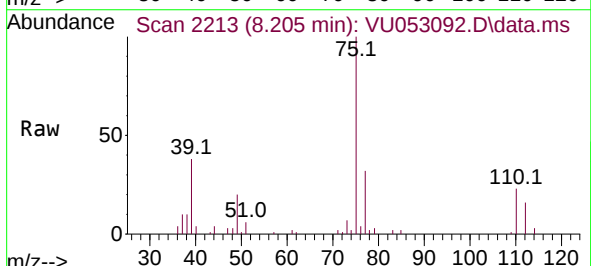
Acq: 14 Feb 2023 12:21

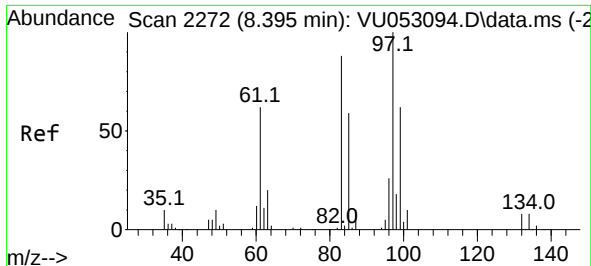
Tgt Ion: 75 Resp: 15619

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2

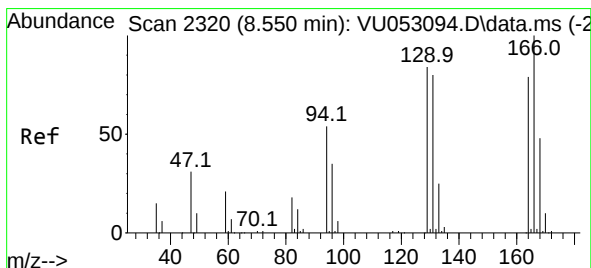
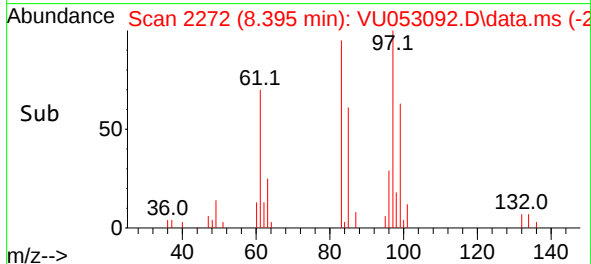
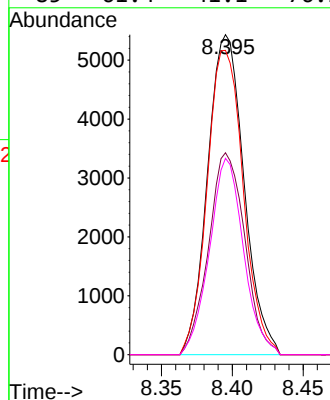
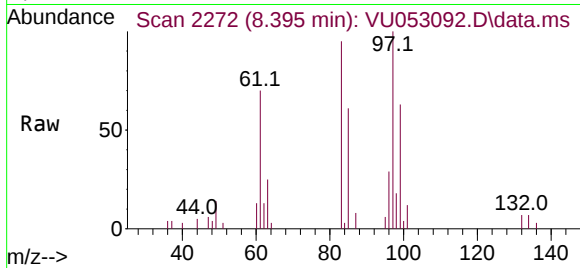




#45
1,1,2-Trichloroethane
Concen: 5.120 ug/L
RT: 8.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

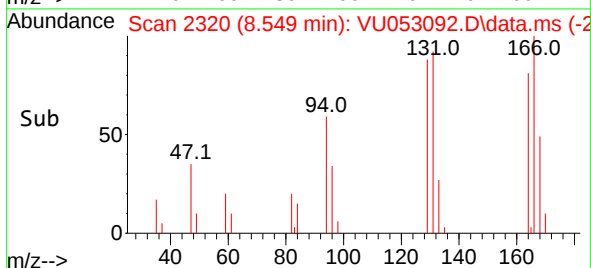
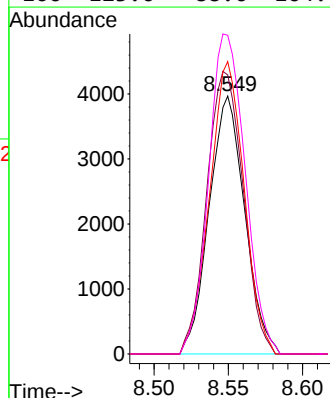
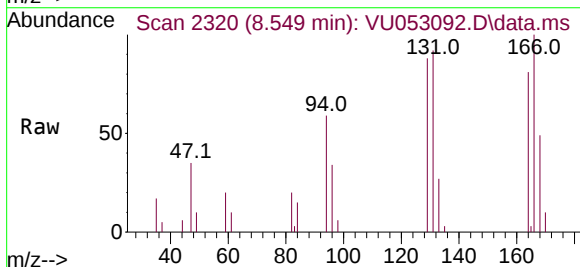
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

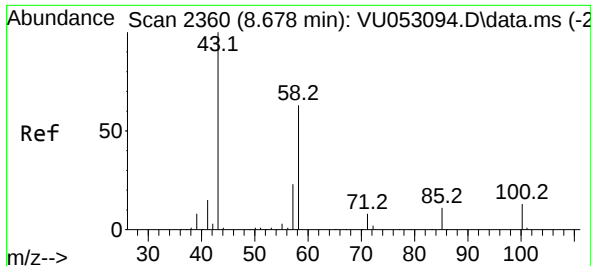
Tgt Ion: 97	Resp: 9710
Ion Ratio	Lower Upper
97 100	
99 63.1	43.7 81.1
83 95.1	61.7 114.5
85 61.4	41.1 76.3



#46
Tetrachloroethene
Concen: 4.422 ug/L
RT: 8.549 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt	Ion:164	Resp:	6635
Ion	Ratio	Lower	Upper
164	100		
129	108.2	74.8	139.0
131	113.4	70.7	131.3
166	123.6	88.6	164.6





#48

2-Hexanone

Concen: 14.412 ug/L

RT: 8.681 min Scan# 21112

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

Tgt Ion: 43 Resp: 21112

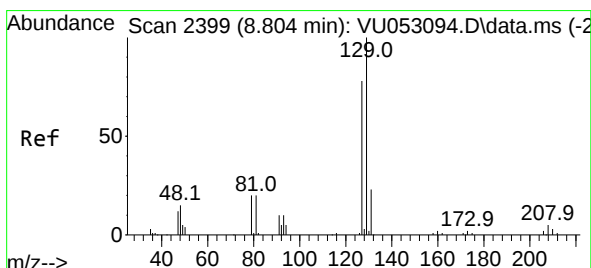
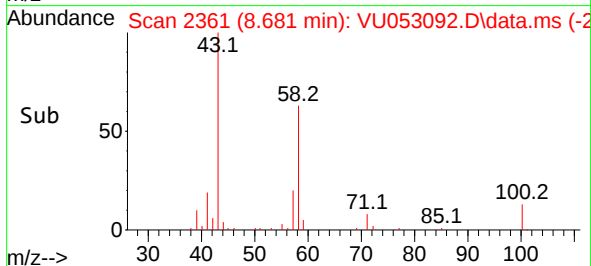
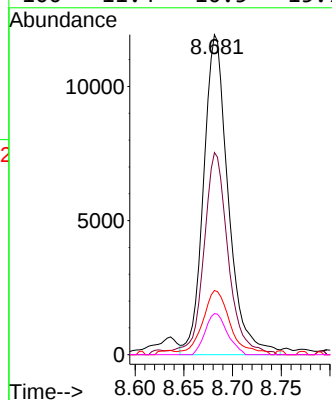
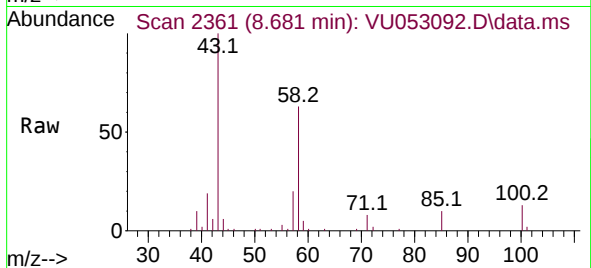
Ion Ratio Lower Upper

43 100

58 60.0 50.0 75.0

57 20.1 17.7 26.5

100 11.4 10.5 15.7



#49

Dibromochloromethane

Concen: 4.507 ug/L

RT: 8.803 min Scan# 2399

Delta R.T. -0.000 min

Lab File: VU053092.D

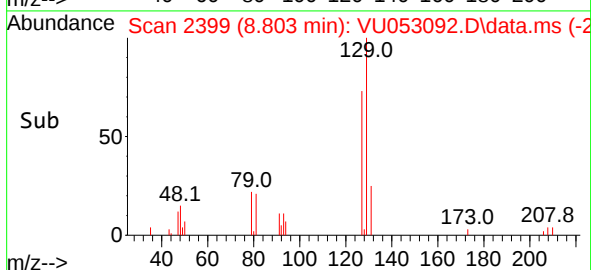
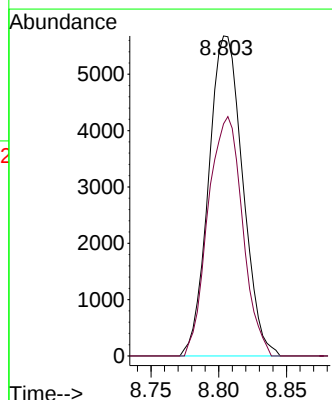
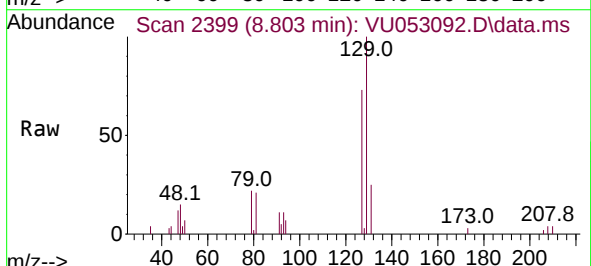
Acq: 14 Feb 2023 12:21

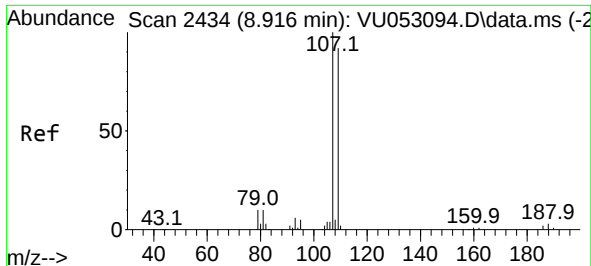
Tgt Ion: 129 Resp: 9936

Ion Ratio Lower Upper

129 100

127 72.5 54.9 101.9





#50

1,2-Dibromoethane

Concen: 5.000 ug/L

RT: 8.919 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

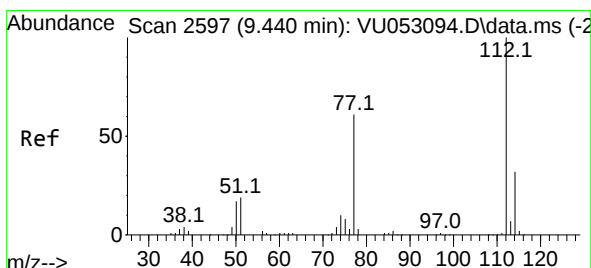
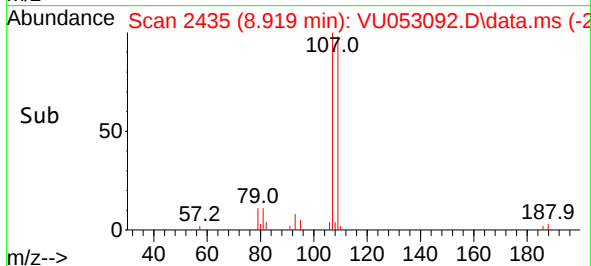
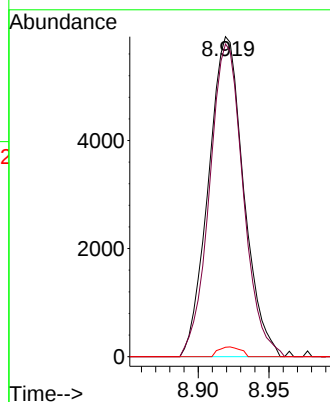
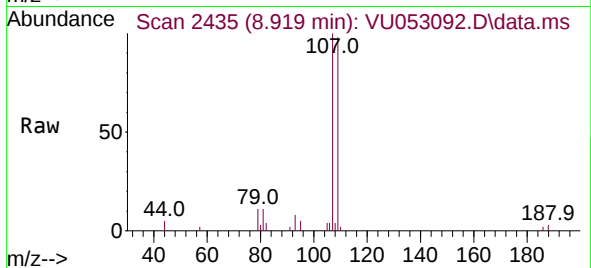
Tgt Ion:107 Resp: 10242

Ion Ratio Lower Upper

107 100

109 97.7 64.5 119.9

188 2.9 2.2 3.4



#51

Chlorobenzene

Concen: 4.968 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

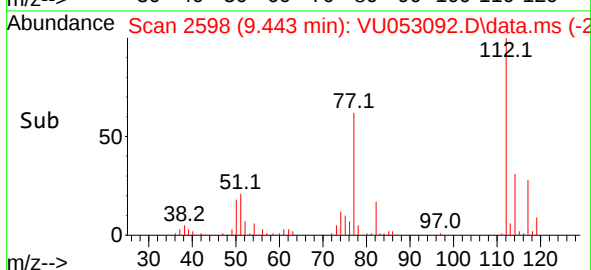
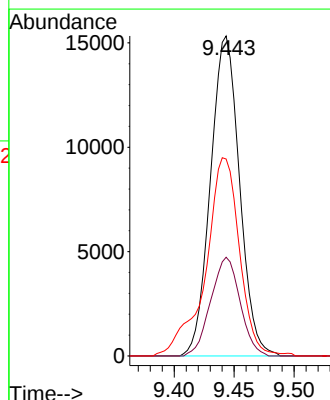
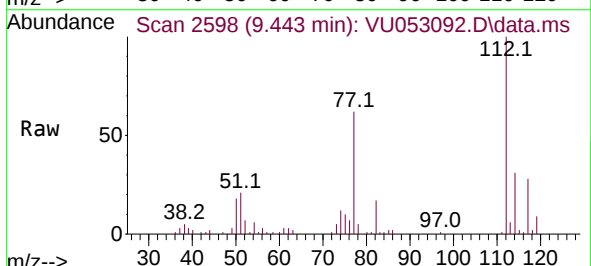
Tgt Ion:112 Resp: 25808

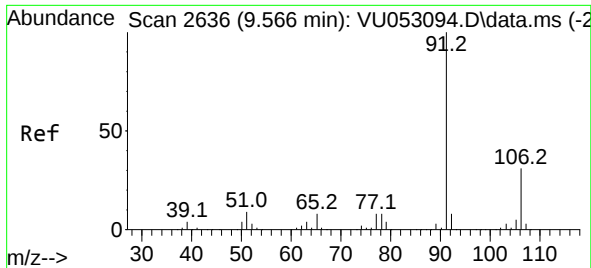
Ion Ratio Lower Upper

112 100

114 30.8 22.3 41.3

77 61.6 48.8 73.2

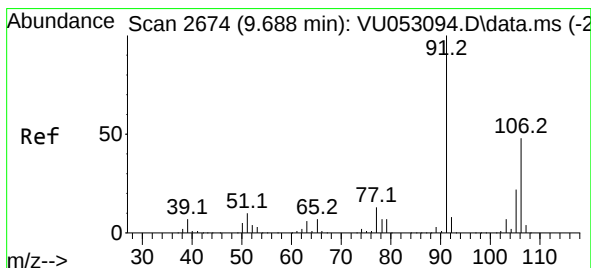
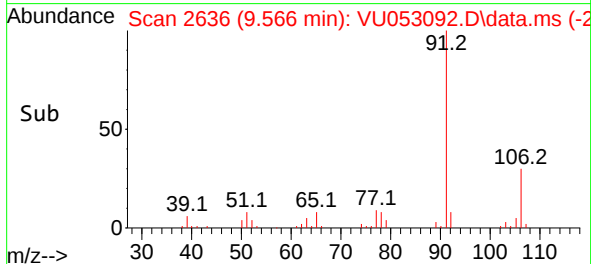
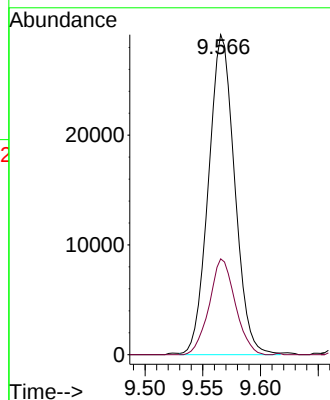
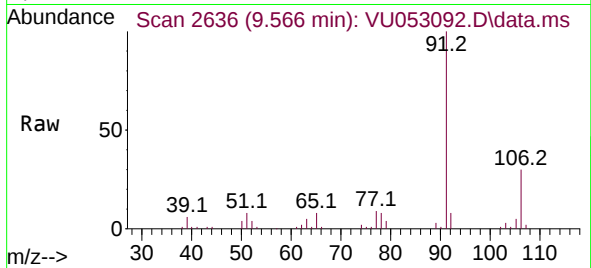




#52
Ethylbenzene
Concen: 5.102 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

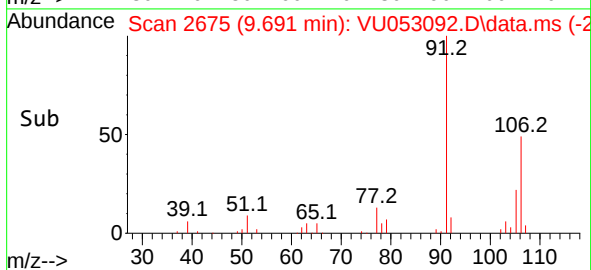
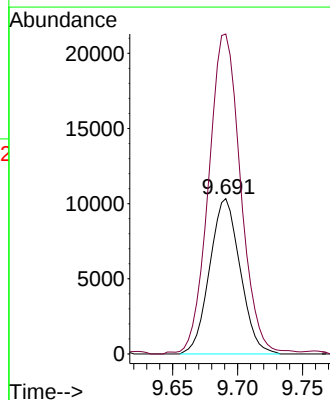
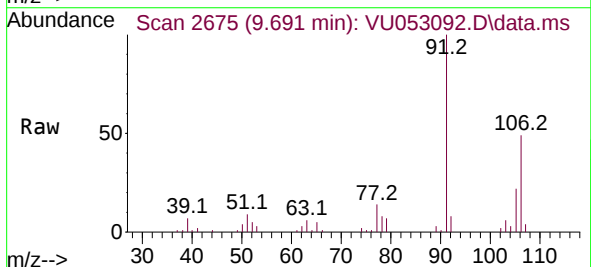
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

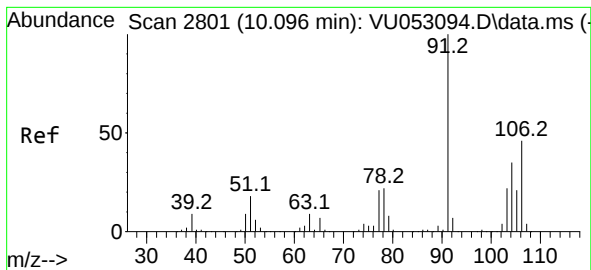
Tgt Ion: 91 Resp: 45880
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 4.793 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion: 106 Resp: 16890
Ion Ratio Lower Upper
106 100
91 205.9 145.6 270.4





#54

o-xylene

Concen: 4.893 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

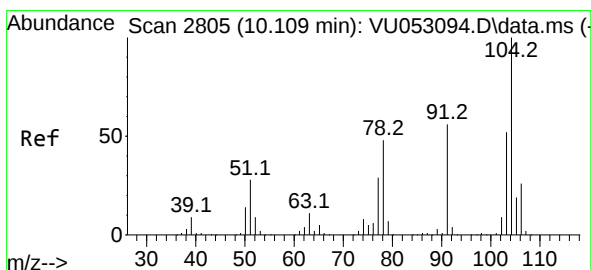
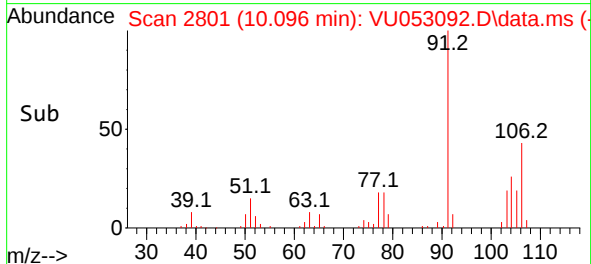
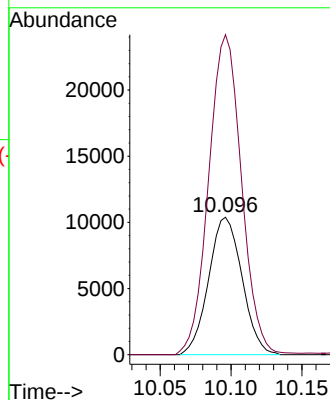
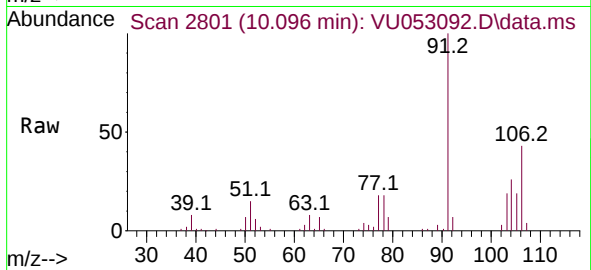
VSTD005079

Tgt Ion:106 Resp: 17034

Ion Ratio Lower Upper

106 100

91 232.9 152.8 283.8



#55

Styrene

Concen: 4.694 ug/L

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053092.D

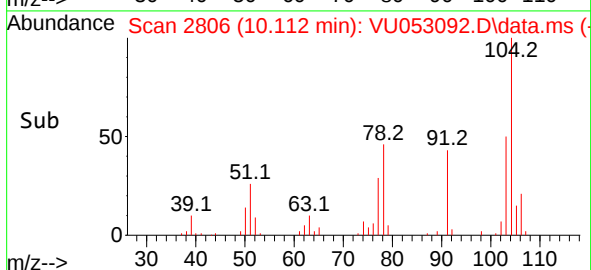
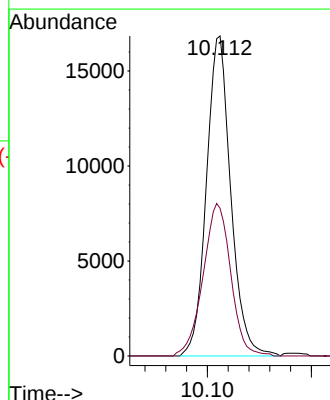
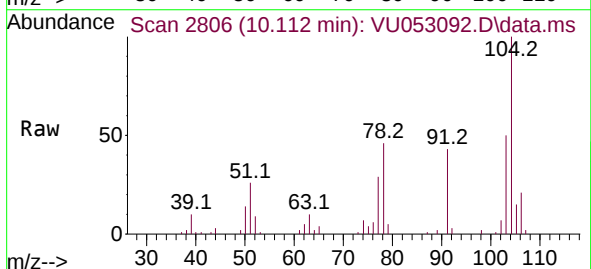
Acq: 14 Feb 2023 12:21

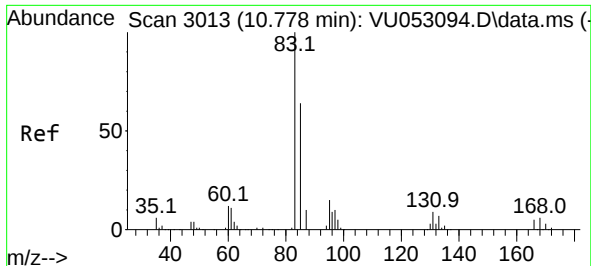
Tgt Ion:104 Resp: 27398

Ion Ratio Lower Upper

104 100

78 46.1 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.367 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

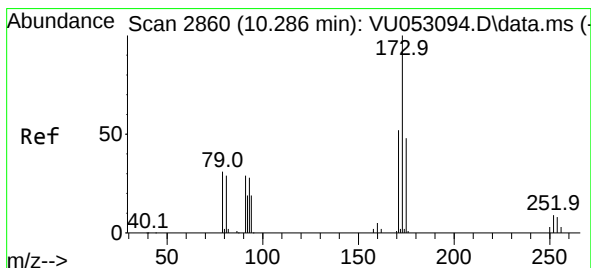
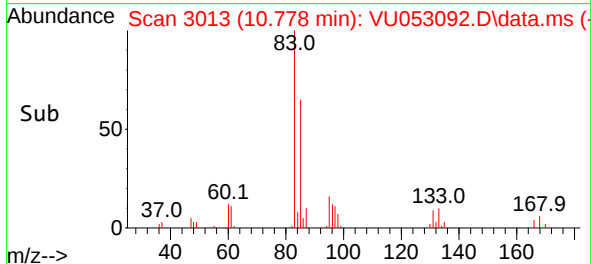
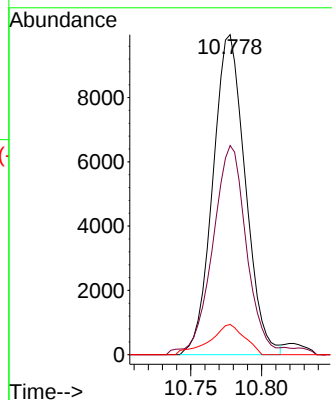
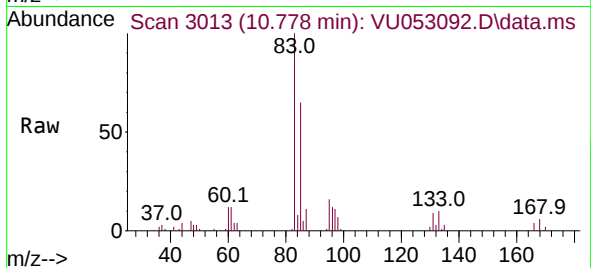
Tgt Ion: 83 Resp: 15879

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9

131 9.5 7.2 10.8



#59

Bromoform

Concen: 4.566 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

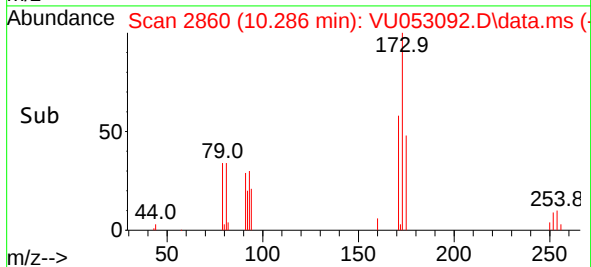
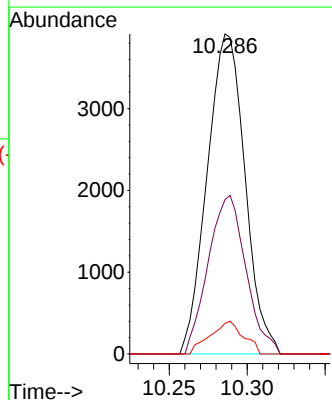
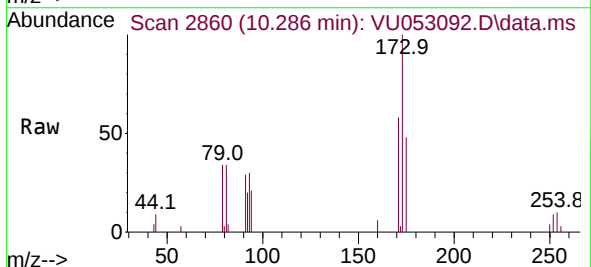
Tgt Ion: 173 Resp: 6590

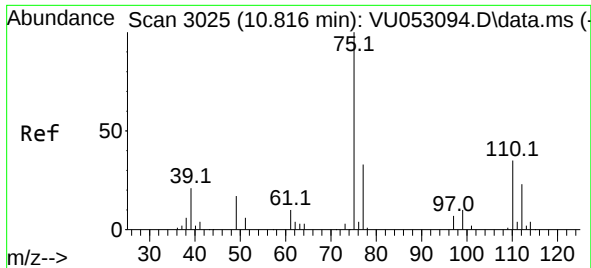
Ion Ratio Lower Upper

173 100

175 49.4 38.8 58.2

254 9.1 6.4 9.6

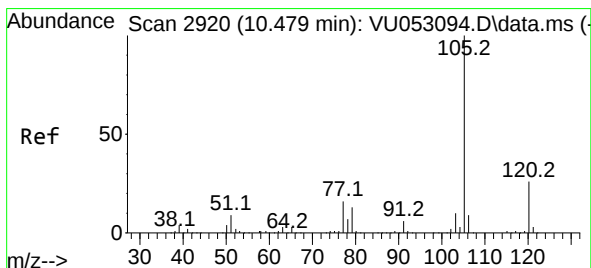
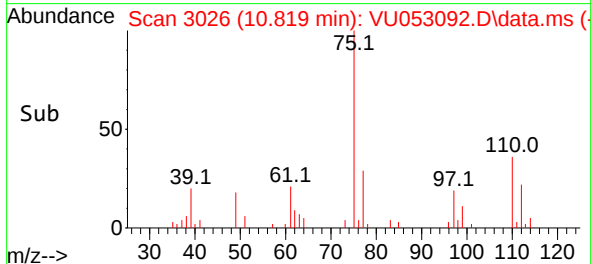
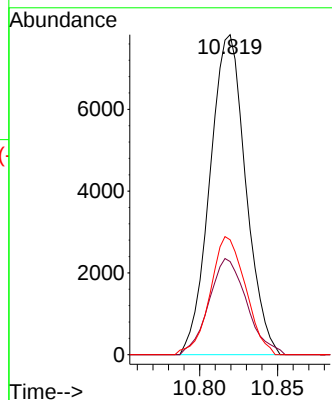
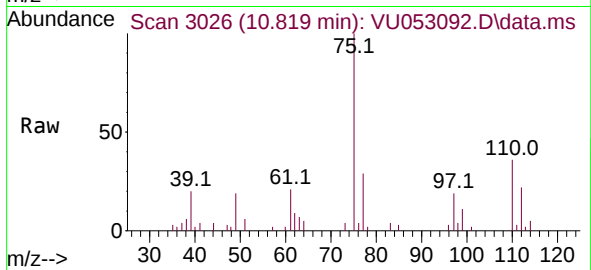




#60
1,2,3-Trichloropropane
Concen: 6.502 ug/L
RT: 10.819 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

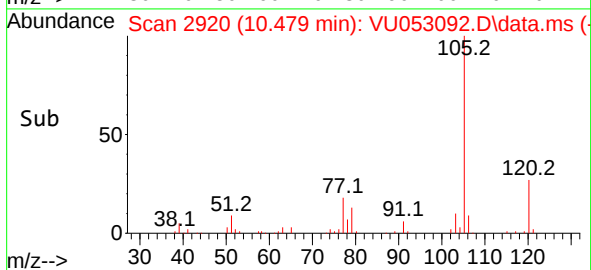
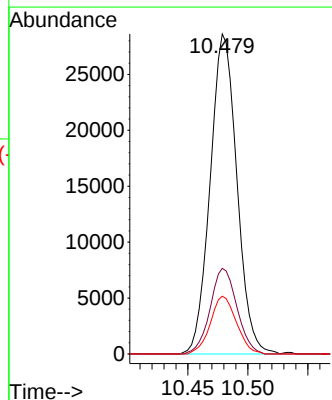
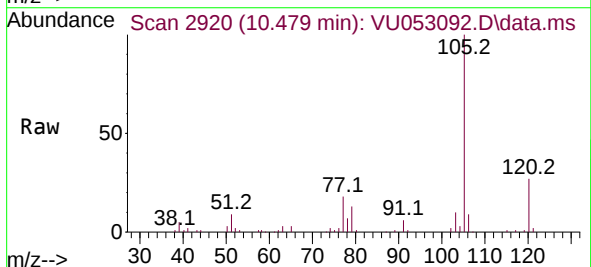
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

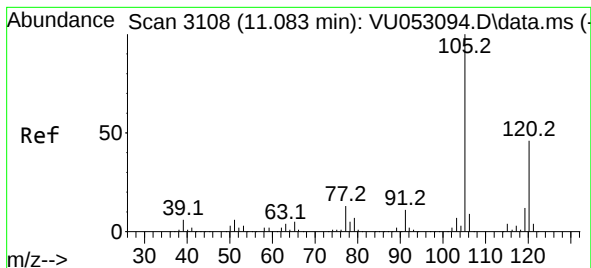
Tgt Ion:	75	Resp:	12504
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.6	39.8
110	36.3	28.6	42.8



#61
Isopropylbenzene
Concen: 5.567 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion:	105	Resp:	44278
Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.8	31.2
77	17.6	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 5.447 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

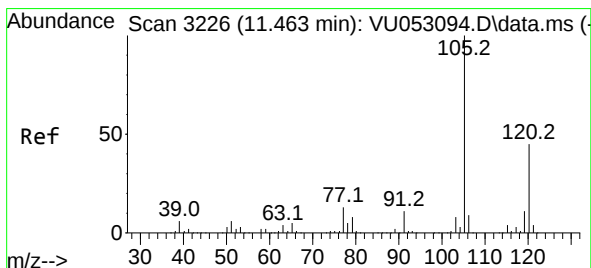
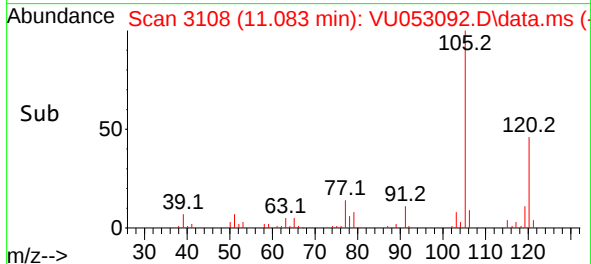
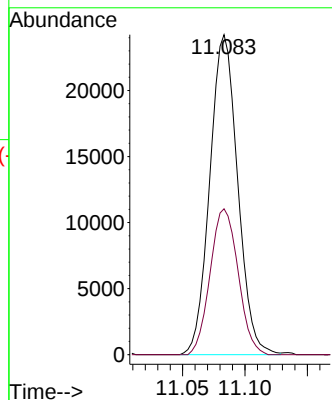
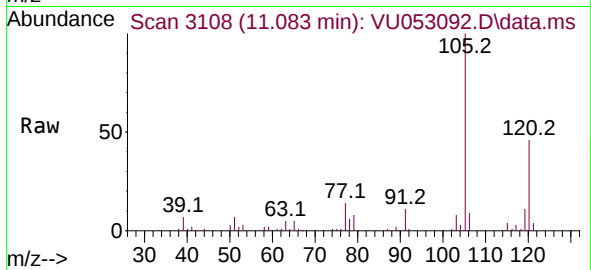
VSTD005079

Tgt Ion:105 Resp: 37695

Ion Ratio Lower Upper

105 100

120 45.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.582 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053092.D

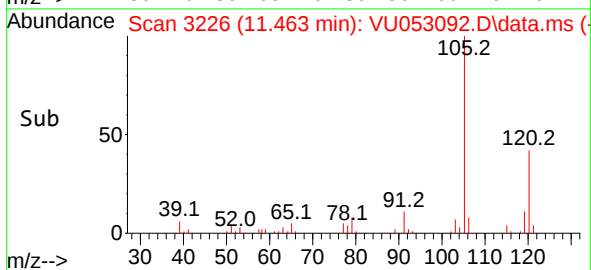
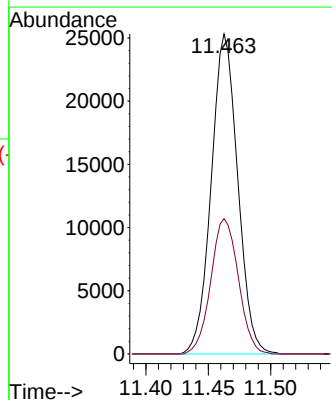
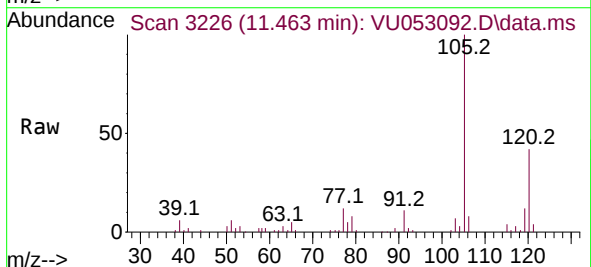
Acq: 14 Feb 2023 12:21

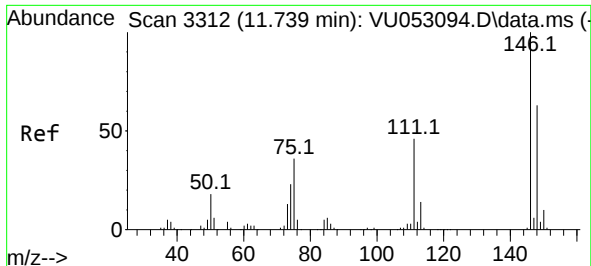
Tgt Ion:105 Resp: 37474

Ion Ratio Lower Upper

105 100

120 44.0 35.4 53.2

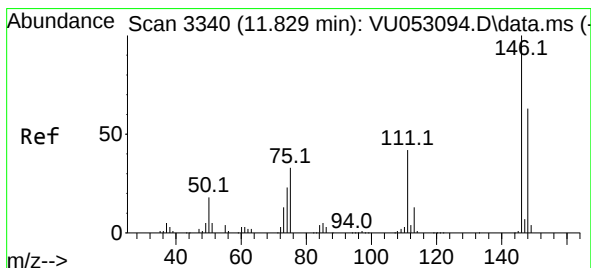
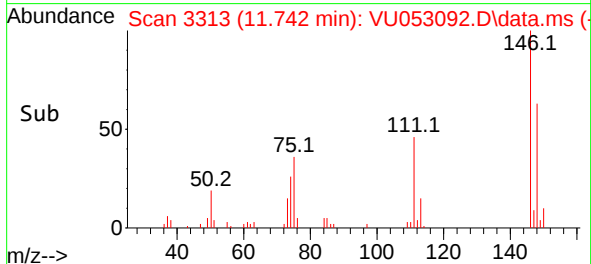
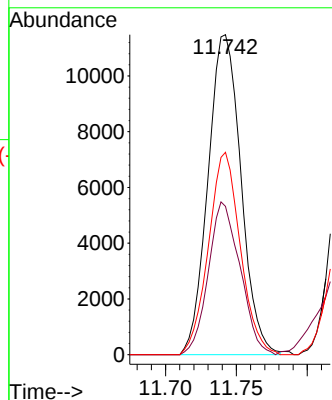
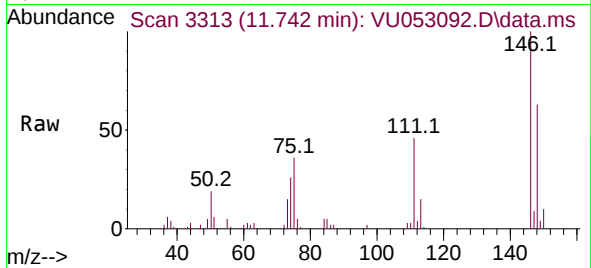




#64
1,3-Dichlorobenzene
Concen: 5.342 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

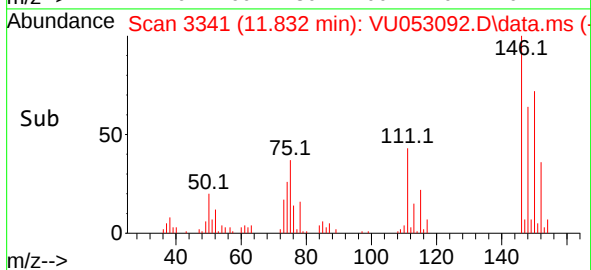
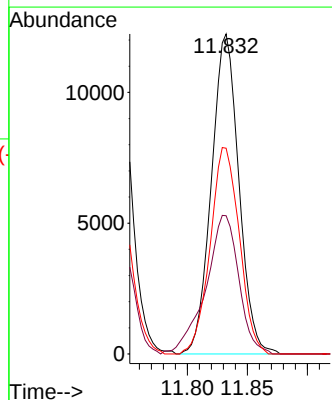
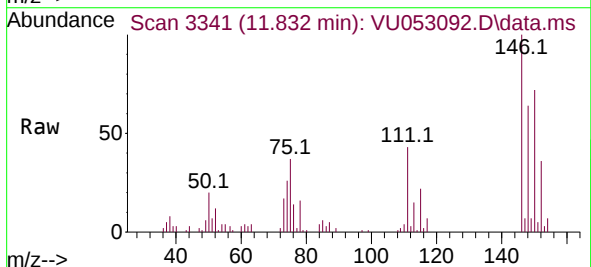
Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

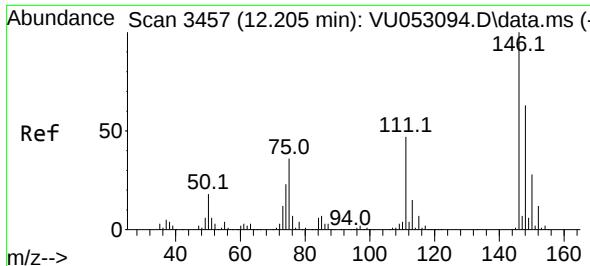
Tgt Ion:146 Resp: 18592
Ion Ratio Lower Upper
146 100
111 46.3 32.1 59.5
148 63.3 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.533 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion:146 Resp: 19455
Ion Ratio Lower Upper
146 100
111 43.2 29.9 55.5
148 64.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 5.407 ug/L

RT: 12.209 min Scan# 3457

Delta R.T. 0.003 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005079

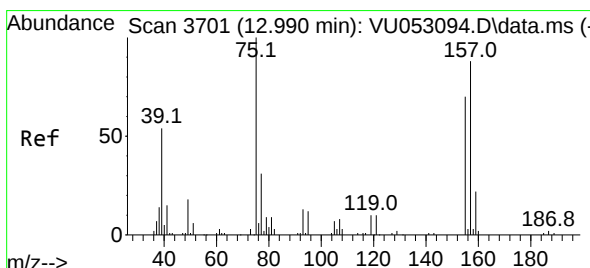
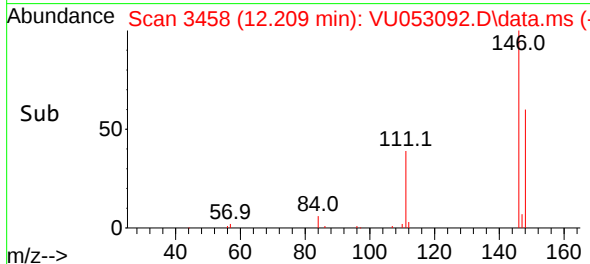
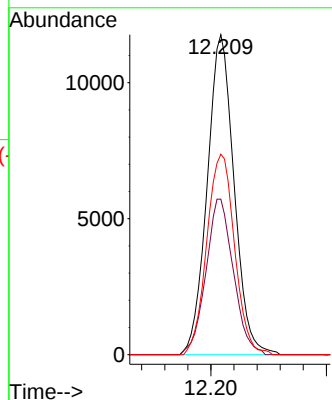
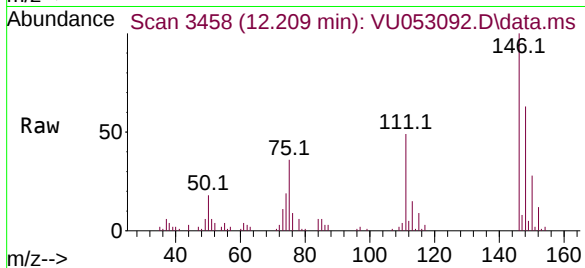
Tgt Ion:146 Resp: 19010

Ion Ratio Lower Upper

146 100

111 48.6 37.8 56.6

148 62.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 6.239 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.000 min

Lab File: VU053092.D

Acq: 14 Feb 2023 12:21

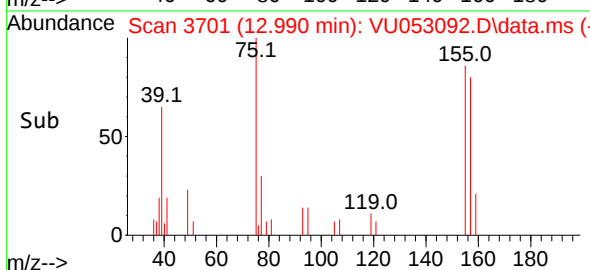
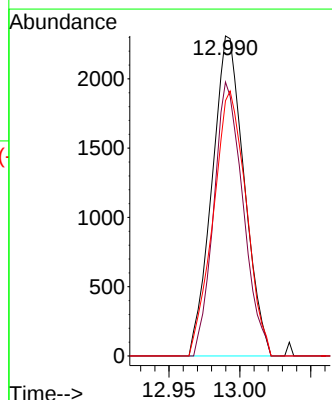
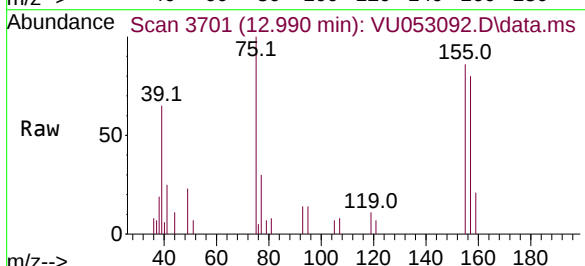
Tgt Ion: 75 Resp: 3639

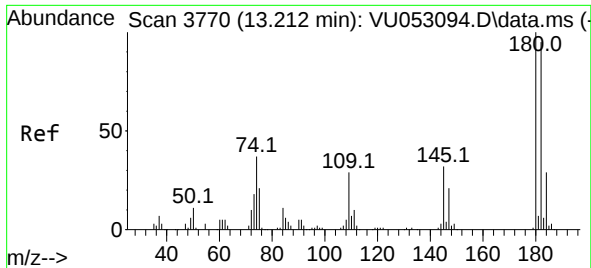
Ion Ratio Lower Upper

75 100

155 85.6 55.8 83.6#

157 79.7 70.7 106.1

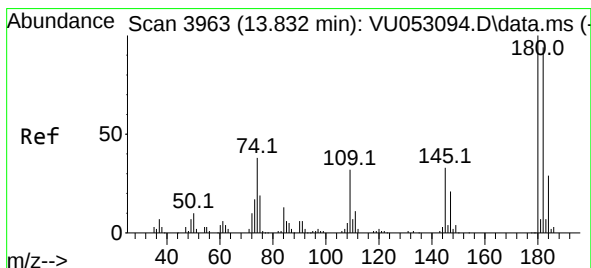
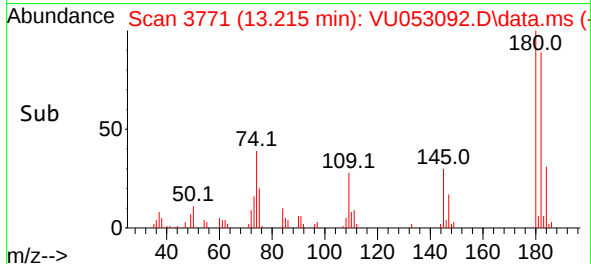
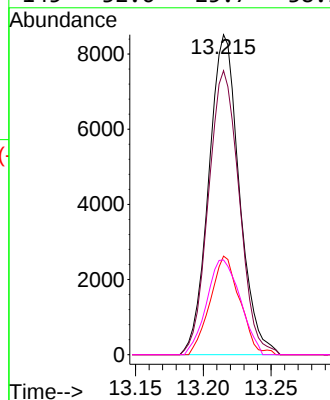
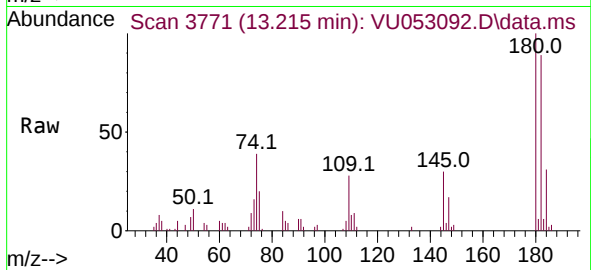




#69
 1,3,5-Trichlorobenzene
 Concen: 5.107 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.003 min
 Lab File: VU053092.D
 Acq: 14 Feb 2023 12:21

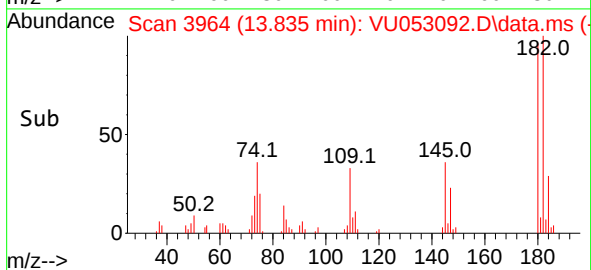
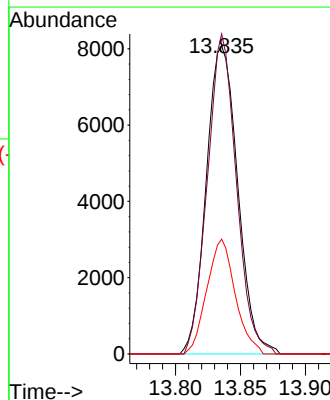
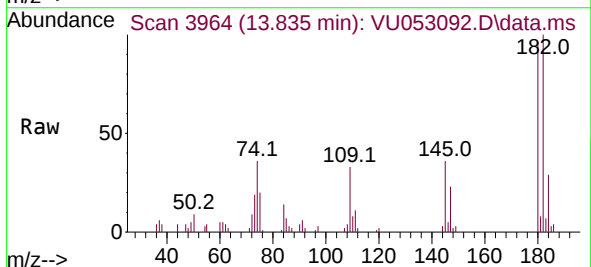
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005079

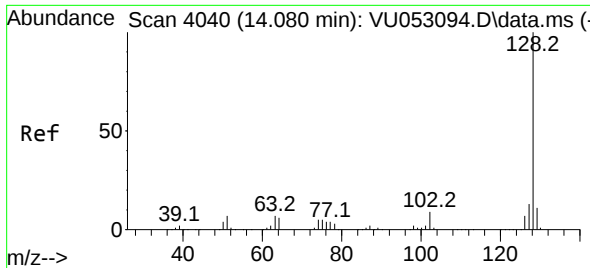
Tgt Ion:180	Resp:	13342
Ion Ratio	Lower	Upper
180	100	
182	89.3	76.9 115.3
184	29.7	23.7 35.5
145	32.6	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 5.784 ug/L
 RT: 13.835 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VU053092.D
 Acq: 14 Feb 2023 12:21

Tgt Ion:180	Resp:	13611
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.4 114.6
145	33.5	26.8 40.2

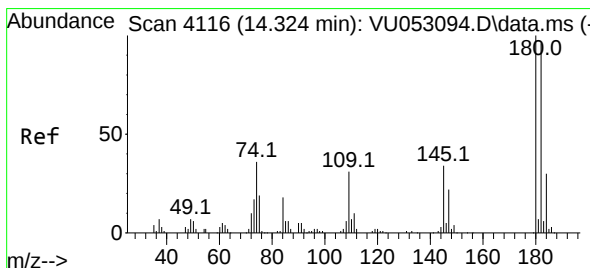
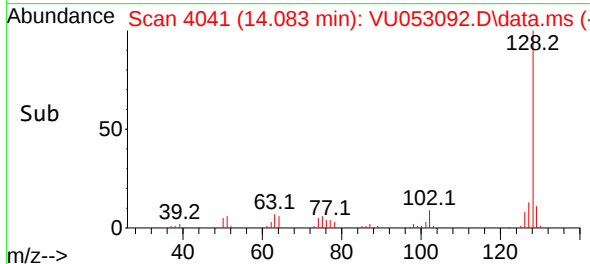
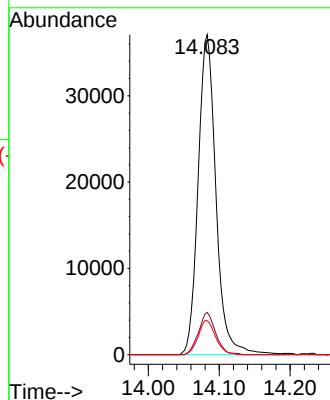
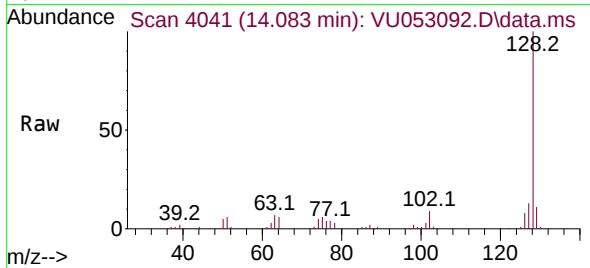




#71
Naphthalene
Concen: 8.962 ug/L
RT: 14.083 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005079

Tgt Ion:	128	Resp:	64765
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	10.4	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 6.298 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053092.D
Acq: 14 Feb 2023 12:21

Tgt Ion:	180	Resp:	14540
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.4	113.2
145	36.4	28.2	42.2

