

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051115.D
 Acq On : 05 Oct 2022 09:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050107

Quant Time: Oct 06 02:53:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 03:04:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	408616	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	415578	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	205232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	173591	41.919	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.840%		
7) Chloroethane-d5	1.906	69	156415	40.661	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.320%		
11) 1,1-Dichloroethene-d2	2.568	63	287118	46.937	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.880%		
21) 2-Butanone-d5	4.623	46	266505	99.225	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.220%		
24) Chloroform-d	5.063	84	337409	50.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.140%		
26) 1,2-Dichloroethane-d4	5.700	65	207685	50.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.580%		
32) Benzene-d6	5.726	84	658891	54.142	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.280%		
36) 1,2-Dichloropropane-d6	6.690	67	218182	55.250	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	110.500%		
41) Toluene-d8	7.896	98	592449	52.691	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.380%		
43) trans-1,3-Dichloroprop...	8.179	79	78723	41.795	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.600%		
47) 2-Hexanone-d5	8.632	63	139662	87.588	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.590%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	331488	48.031	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.060%		
66) 1,2-Dichlorobenzene-d4	12.192	152	204881	46.730	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	175278	51.154	ug/L	99
3) Chloromethane	1.520	50	223047	55.096	ug/L	99
5) Vinyl chloride	1.604	62	223267	51.966	ug/L	97
6) Bromomethane	1.851	94	129167	36.294	ug/L	98
8) Chloroethane	1.929	64	142329	45.113	ug/L	98
9) Trichlorofluoromethane	2.138	101	265692	45.991	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	159281	51.060	ug/L	99
12) 1,1-Dichloroethene	2.581	96	151703	52.061	ug/L	88
13) Acetone	2.629	43	214094	99.822	ug/L	98
14) Carbon disulfide	2.793	76	452193	52.498	ug/L	100
15) Methyl Acetate	2.948	43	222239	56.756	ug/L	96
16) Methylene chloride	3.044	84	205133	49.039	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	159569	51.474	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	488476	51.851	ug/L	99
19) 1,1-Dichloroethane	3.867	63	326770	55.492	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	184295	53.244	ug/L	97
22) 2-Butanone	4.700	43	319235	107.730	ug/L	98
23) Bromochloromethane	4.973	128	100875	53.190	ug/L	94
25) Chloroform	5.086	83	352355	55.011	ug/L	100

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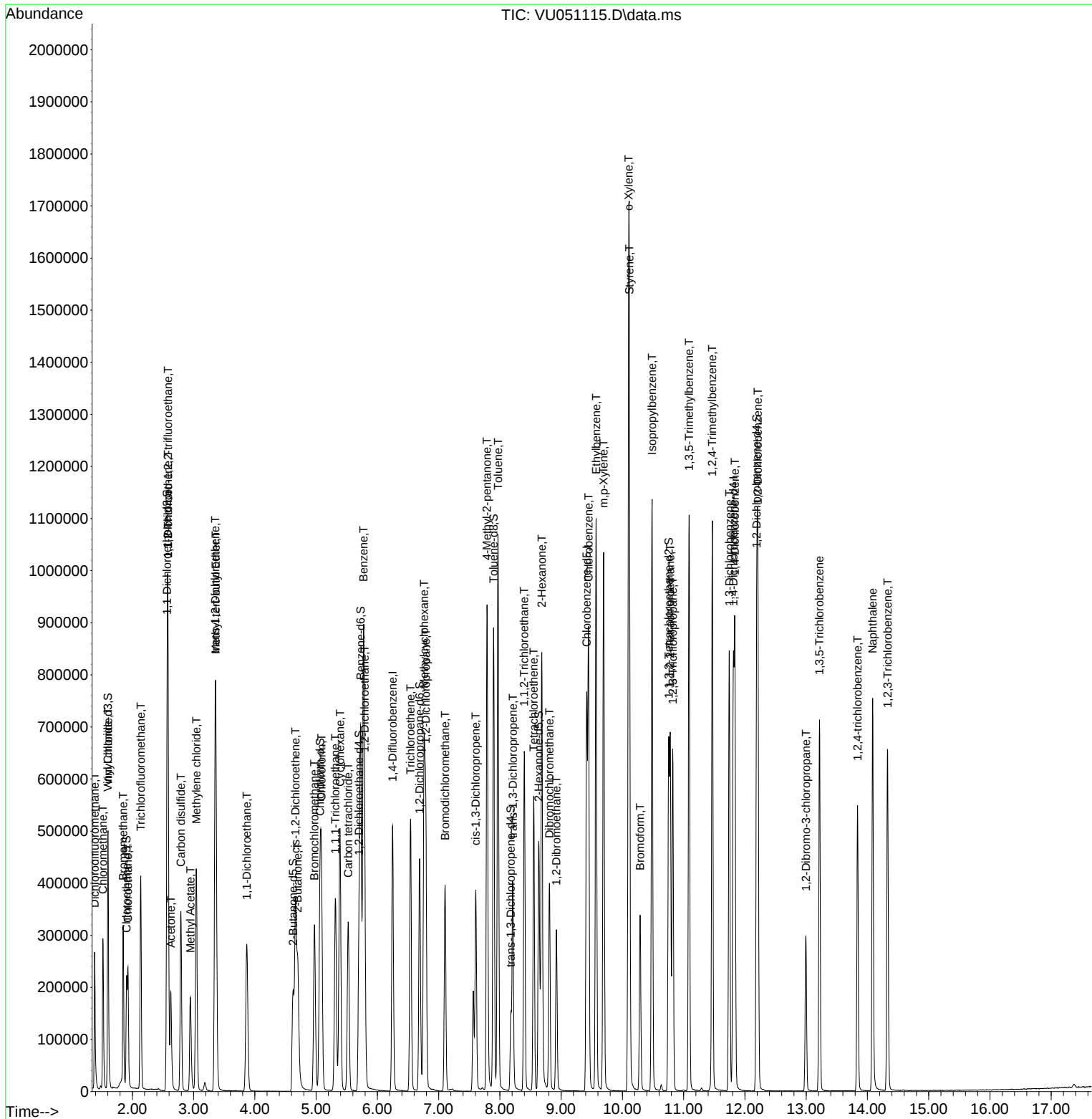
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050107

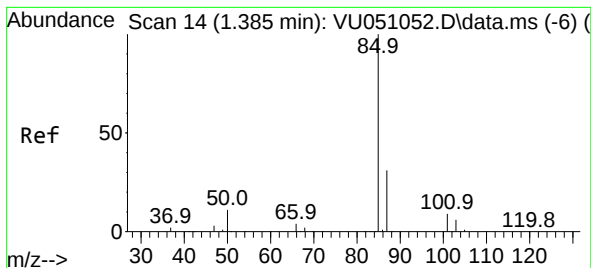
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	262296	53.459	ug/L	99
29) Cyclohexane	5.391	56	228592	56.492	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	266765	54.734	ug/L	99
31) Carbon tetrachloride	5.523	117	220639	55.485	ug/L	100
33) Benzene	5.774	78	757875	59.818	ug/L	100
34) Trichloroethene	6.542	95	181194	55.216	ug/L	99
35) Methylcyclohexane	6.764	83	233935	52.377	ug/L	97
37) 1,2-Dichloropropane	6.790	63	205842	60.332	ug/L	99
38) Bromodichloromethane	7.105	83	262002	57.542	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	230896	47.786	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	579927	117.371	ug/L	98
42) Toluene	7.970	91	790622	58.668	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	228201	46.709	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	203127	54.964	ug/L	98
46) Tetrachloroethene	8.552	164	124486	50.057	ug/L	97
48) 2-Hexanone	8.684	43	496441	110.618	ug/L	98
49) Dibromochloromethane	8.809	129	204688	52.680	ug/L	98
50) 1,2-Dibromoethane	8.922	107	207527	51.793	ug/L	97
51) Chlorobenzene	9.446	112	471079	51.403	ug/L	100
52) Ethylbenzene	9.571	91	736755	51.254	ug/L	100
53) m,p-Xylene	9.693	106	291397	53.907	ug/L	98
54) o-Xylene	10.102	106	284825	52.716	ug/L	98
55) Styrene	10.115	104	523005	56.007	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	343364	52.498	ug/L	99
59) Bromoform	10.288	173	154221	51.071	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	280258	51.892	ug/L	98
61) Isopropylbenzene	10.484	105	697591	52.324	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	568935	52.187	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	574995	52.624	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	340478	49.538	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	343905	50.056	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	358942	50.831	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	78460	49.782	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	218367	46.852	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	167864	44.020	ug/L	99
71) Naphthalene	14.086	128	605746	44.381	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	206567	48.544	ug/L	99

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

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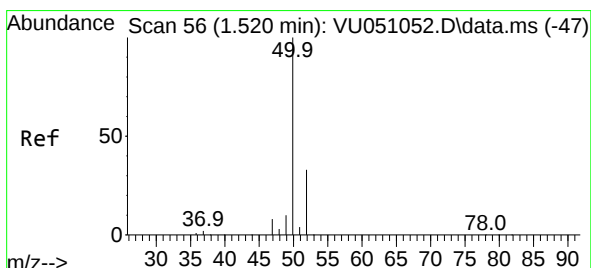
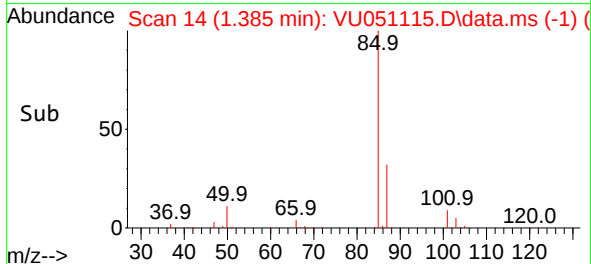
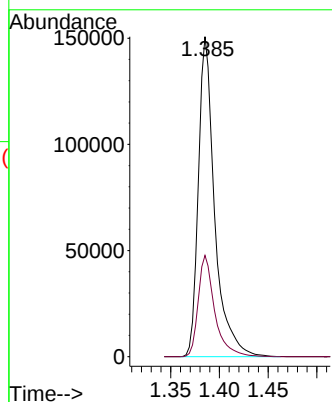
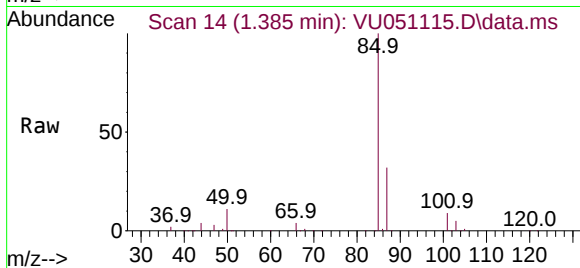




#2
Dichlorodifluoromethane
Concen: 51.154 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

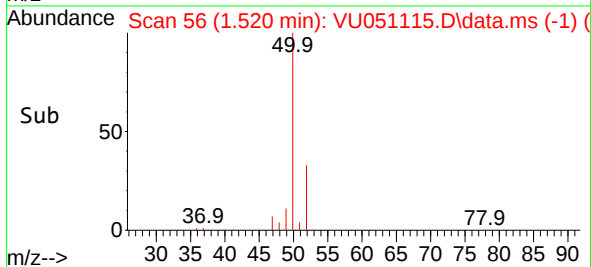
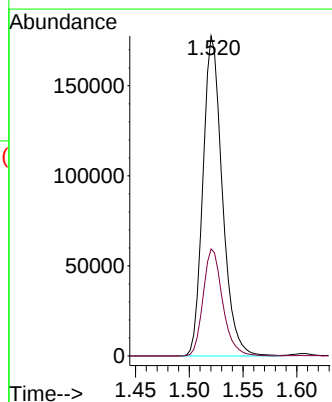
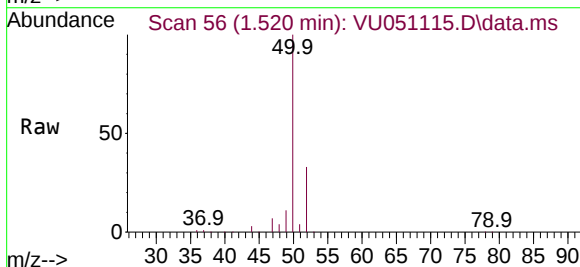
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

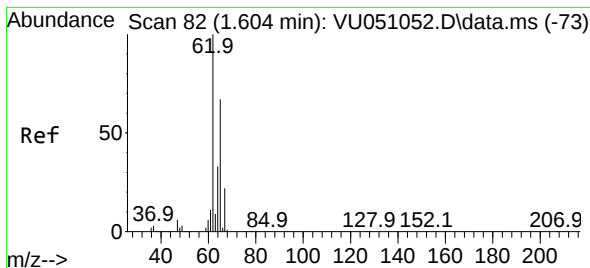
Tgt Ion: 85 Resp: 175278
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 55.096 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 50 Resp: 223047
Ion Ratio Lower Upper
50 100
52 33.5 23.7 44.1





#5

Vinyl chloride

Concen: 51.966 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

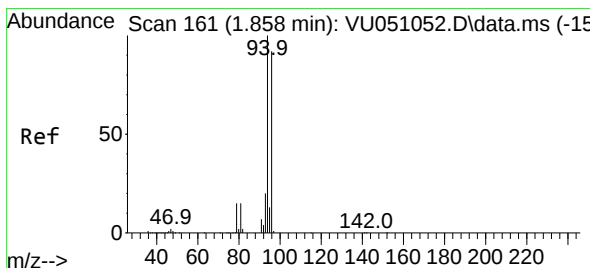
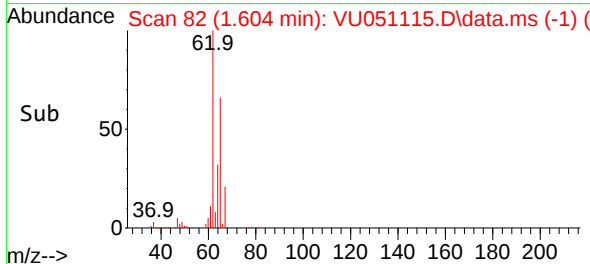
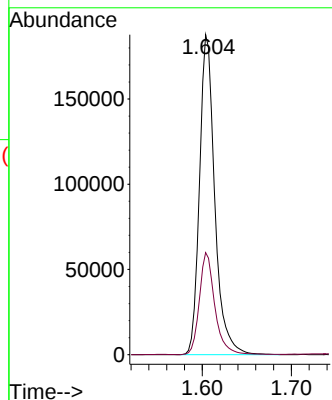
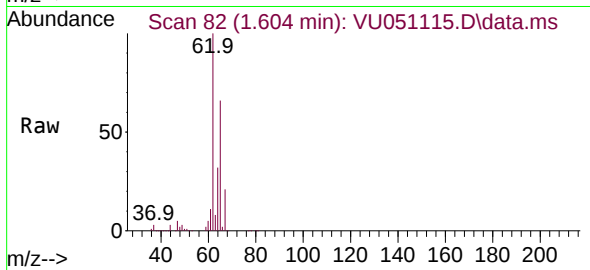
VSTD050107

Tgt Ion: 62 Resp: 223267

Ion Ratio Lower Upper

62 100

64 31.9 23.5 43.7



#6

Bromomethane

Concen: 36.294 ug/L

RT: 1.851 min Scan# 159

Delta R.T. -0.006 min

Lab File: VU051115.D

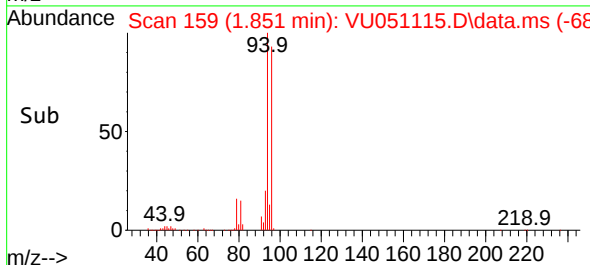
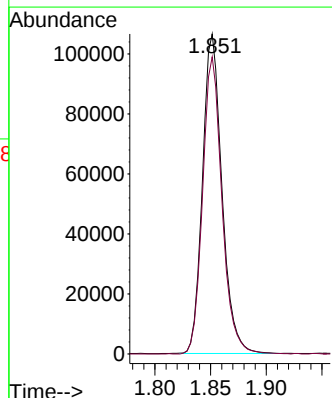
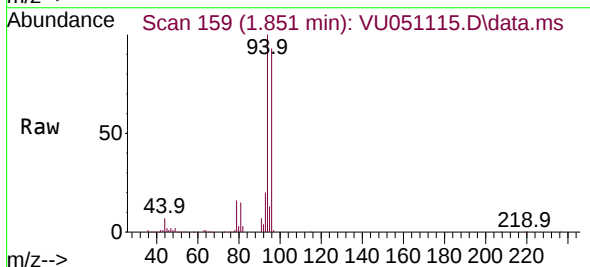
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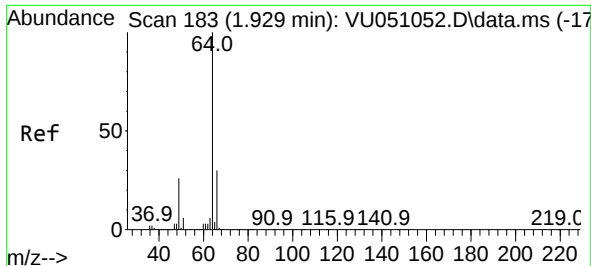
Tgt Ion: 94 Resp: 129167

Ion Ratio Lower Upper

94 100

96 92.9 63.9 118.7

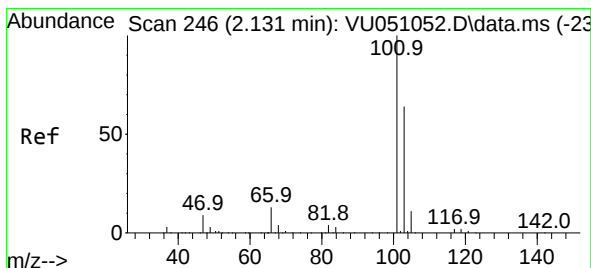
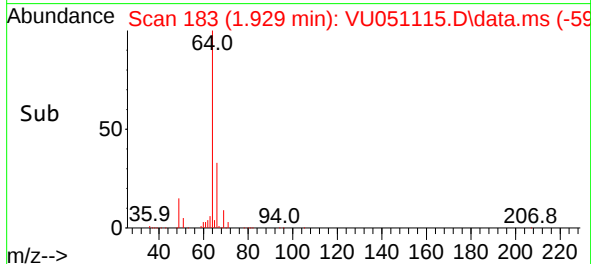
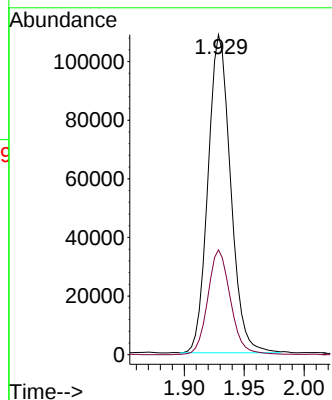
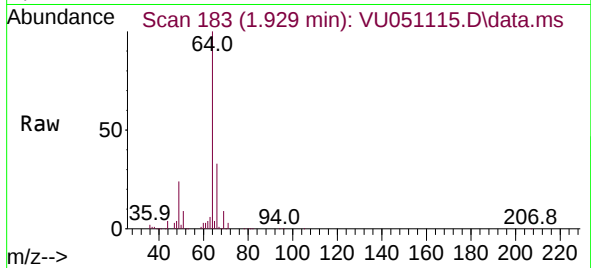




#8
Chloroethane
Concen: 45.113 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

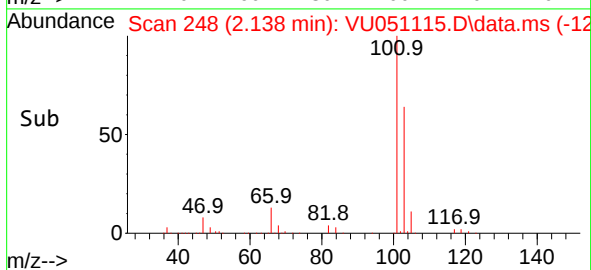
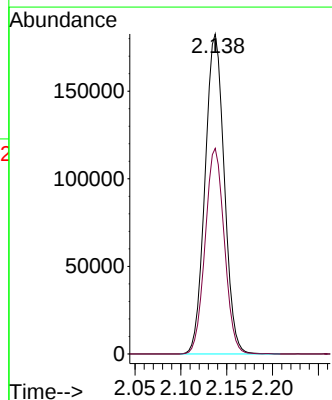
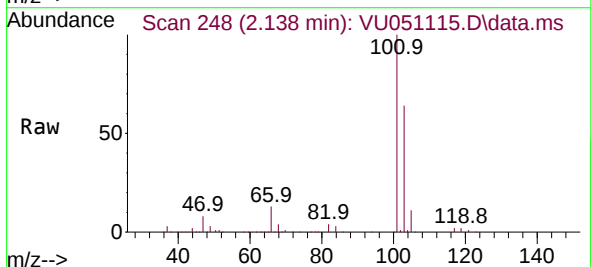
Instrument :
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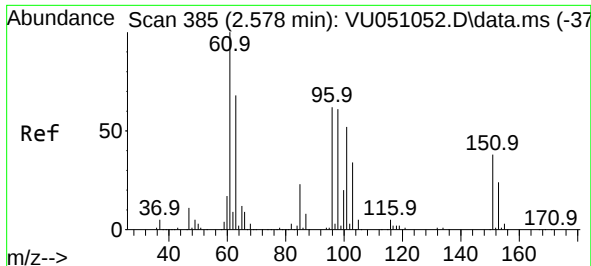
Tgt Ion: 64 Resp: 142329
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.991 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.006 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 101 Resp: 265692
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

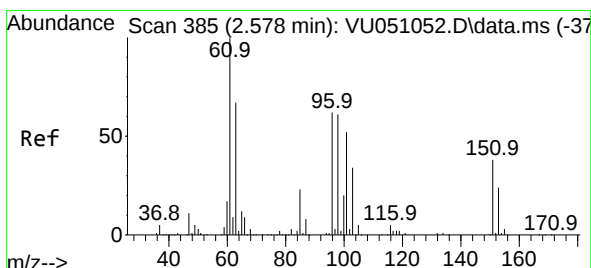
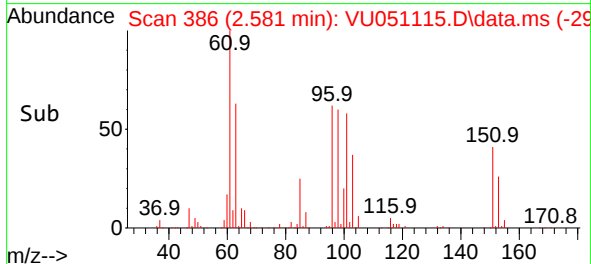
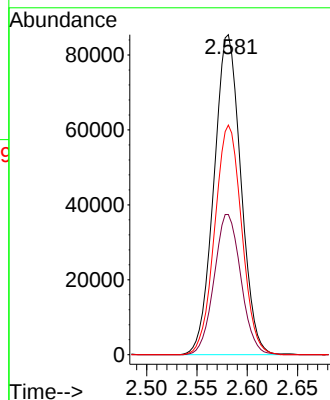
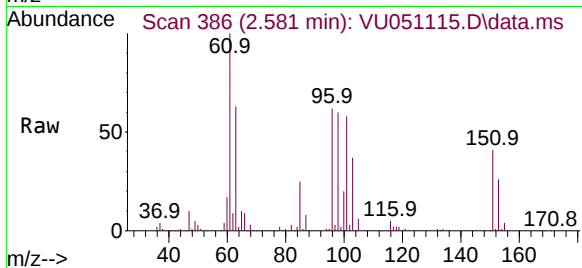




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.060 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU051115.D
 Acq: 05 Oct 2022 09:56

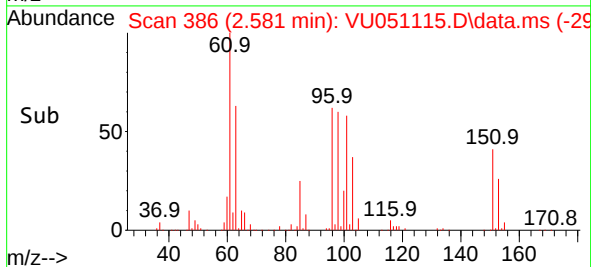
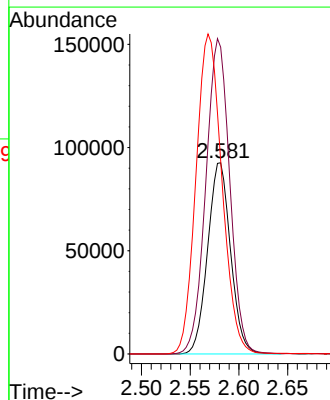
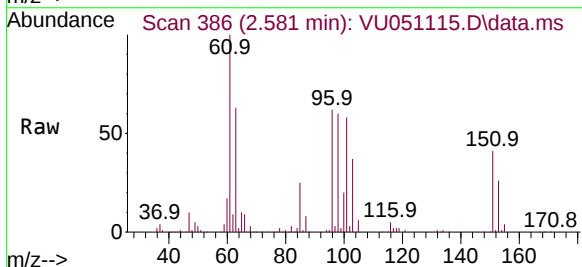
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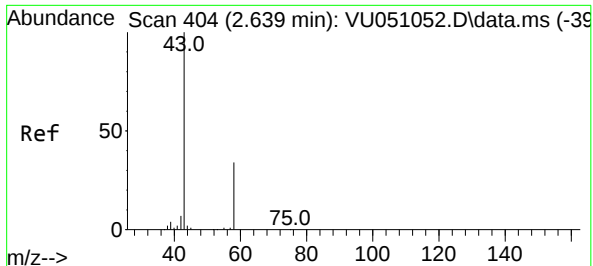
Tgt Ion:101 Resp: 159281
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.6 52.0
 151 71.9 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 52.061 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU051115.D
 Acq: 05 Oct 2022 09:56

Tgt Ion: 96 Resp: 151703
 Ion Ratio Lower Upper
 96 100
 61 160.4 113.0 209.9
 63 101.0 91.7 170.3





#13

Acetone

Concen: 99.822 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.010 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

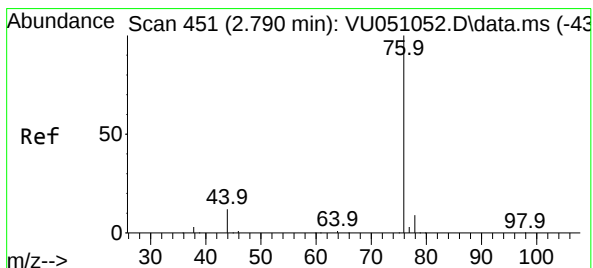
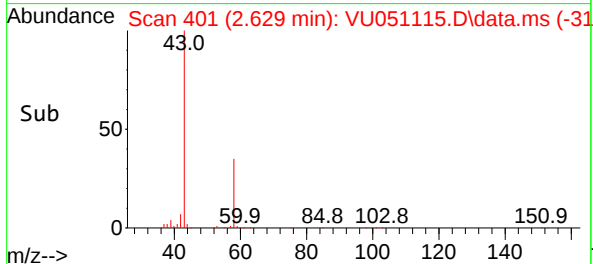
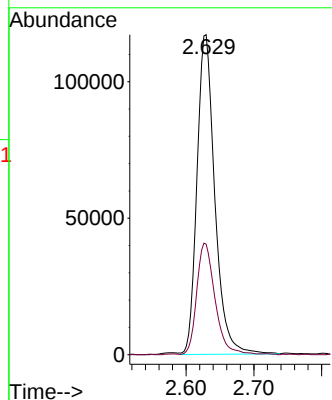
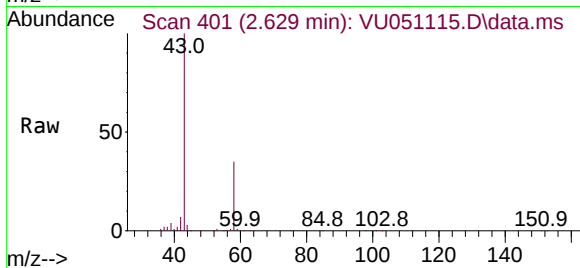
VSTD050107

Tgt Ion: 43 Resp: 214094

Ion Ratio Lower Upper

43 100

58 35.5 0.0 73.6



#14

Carbon disulfide

Concen: 52.498 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051115.D

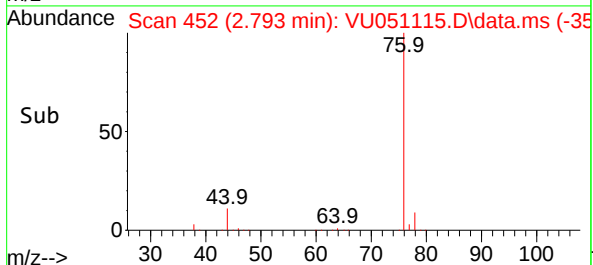
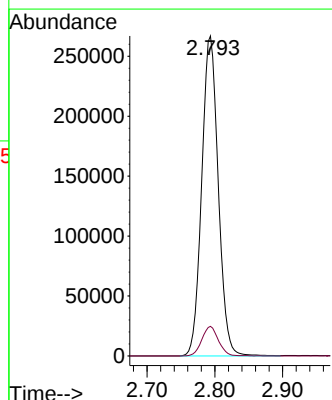
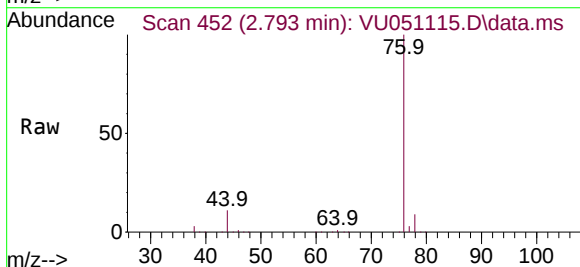
Acq: 05 Oct 2022 09:56

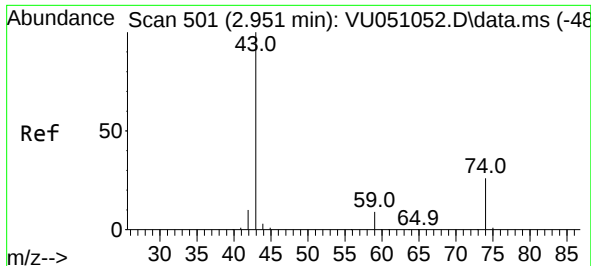
Tgt Ion: 76 Resp: 452193

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

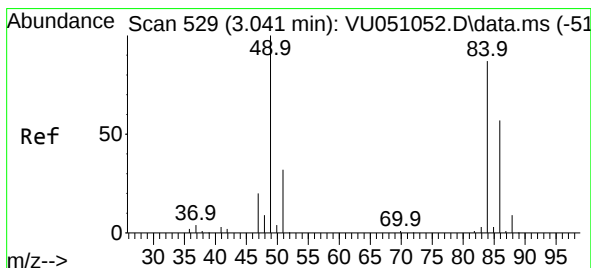
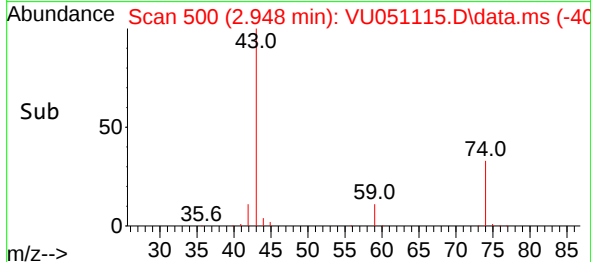
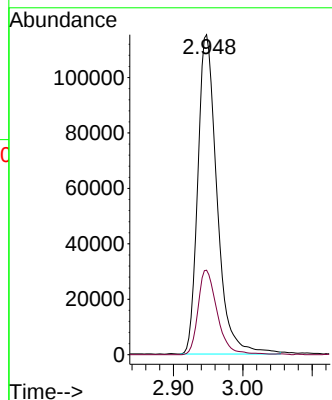
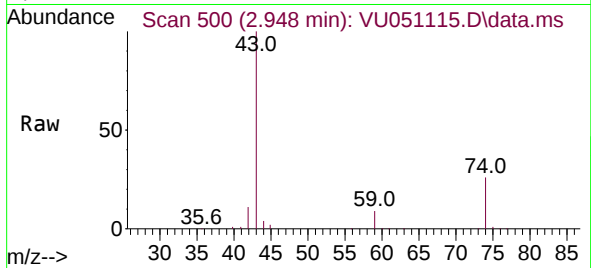




#15
Methyl Acetate
Concen: 56.756 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

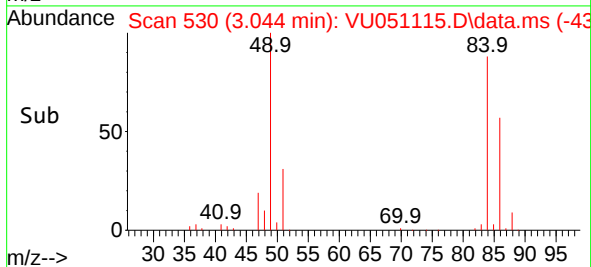
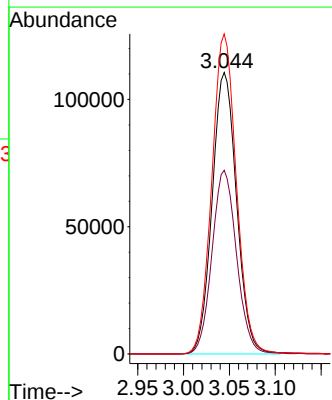
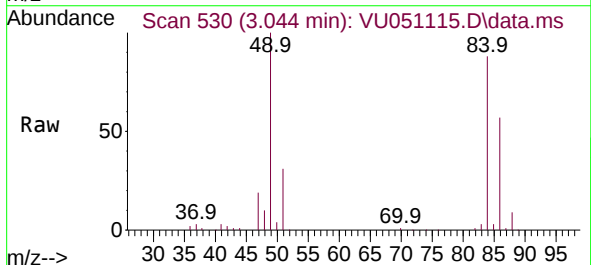
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

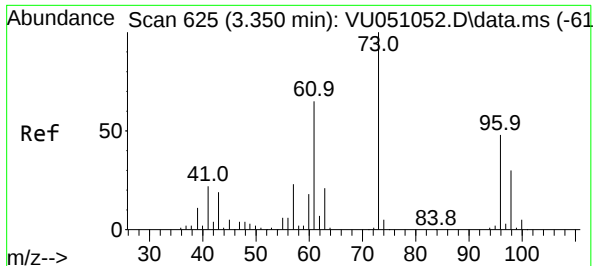
Tgt Ion: 43 Resp: 222239
Ion Ratio Lower Upper
43 100
74 26.1 22.4 33.6



#16
Methylene chloride
Concen: 49.039 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 84 Resp: 205133
Ion Ratio Lower Upper
84 100
86 65.2 45.4 84.4
49 113.7 78.3 145.3

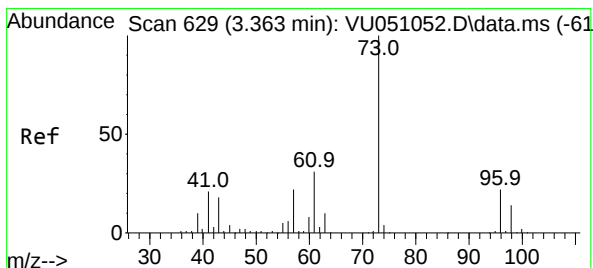
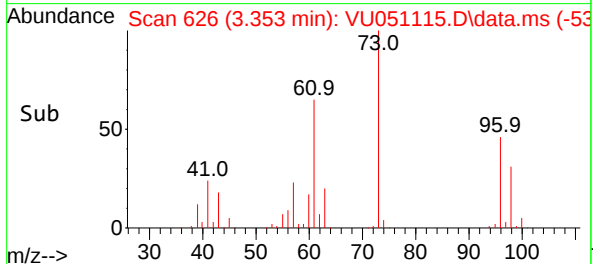
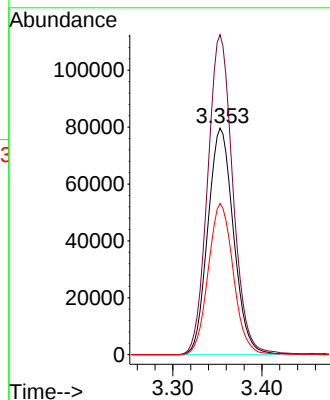
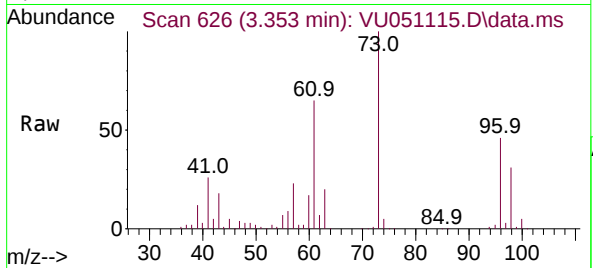




#17
trans-1,2-Dichloroethene
Concen: 51.474 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

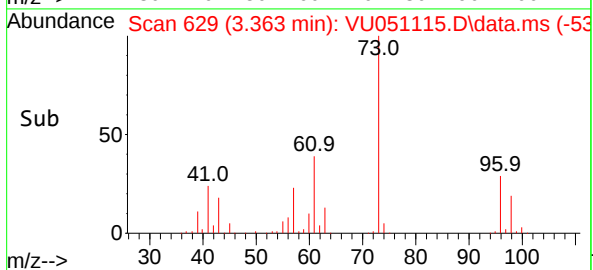
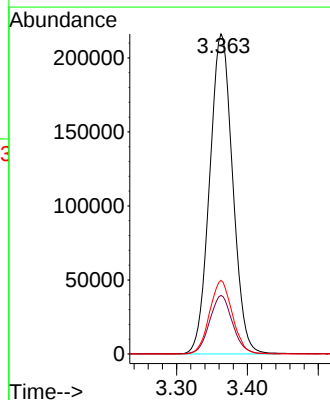
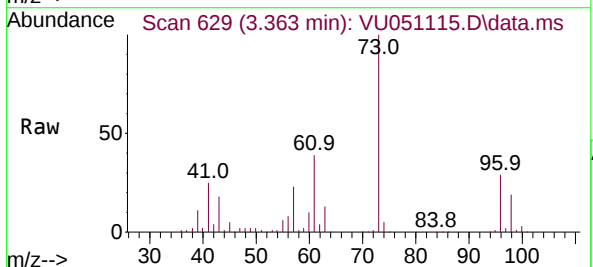
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

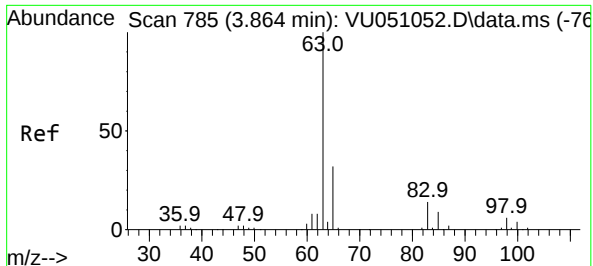
Tgt Ion: 96 Resp: 159569
Ion Ratio Lower Upper
96 100
61 141.2 95.1 176.5
98 66.8 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 51.851 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 73 Resp: 488476
Ion Ratio Lower Upper
73 100
43 17.9 14.7 22.1
57 22.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 55.492 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

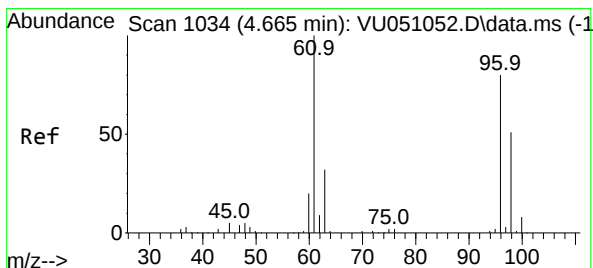
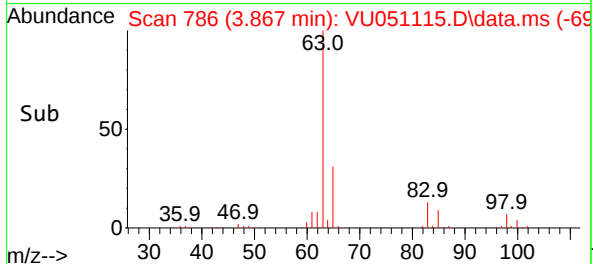
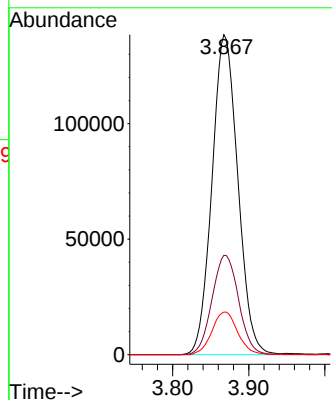
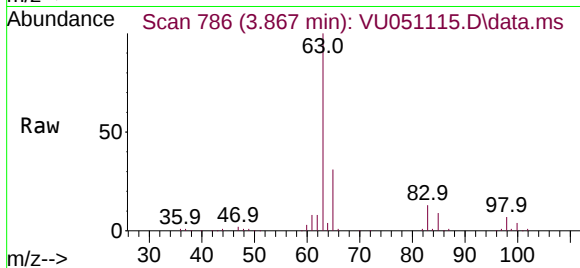
Tgt Ion: 63 Resp: 326770

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 13.3 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 53.244 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

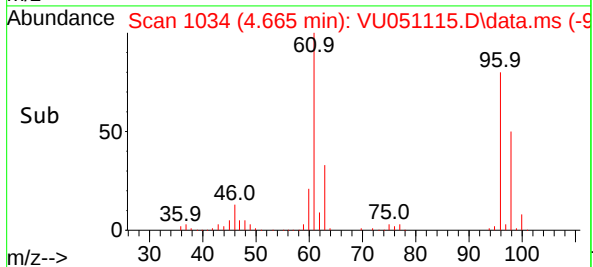
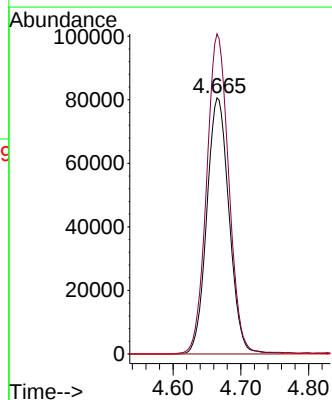
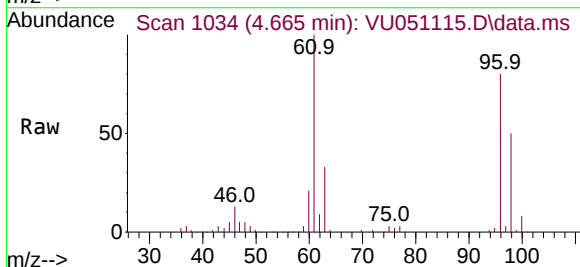
Tgt Ion: 96 Resp: 184295

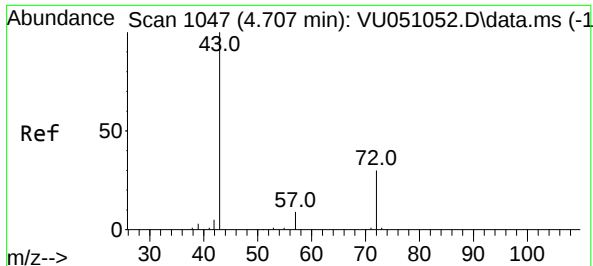
Ion Ratio Lower Upper

96 100

61 124.9 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.730 ug/L

RT: 4.700 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

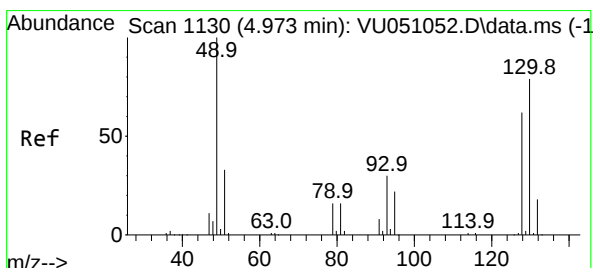
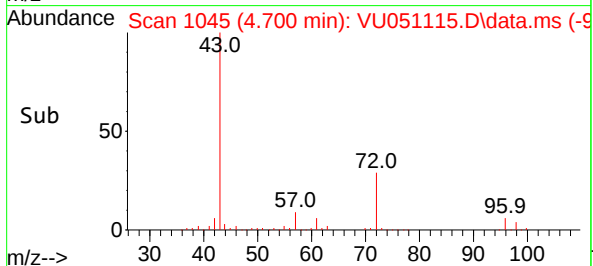
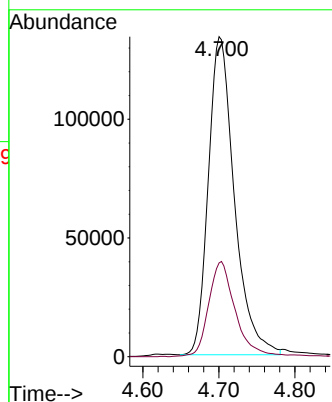
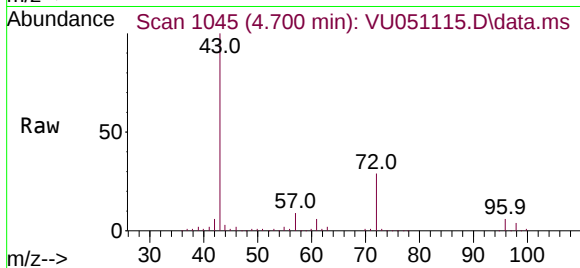
VSTD050107

Tgt Ion: 43 Resp: 319235

Ion Ratio Lower Upper

43 100

72 30.5 15.8 47.4



#23

Bromochloromethane

Concen: 53.190 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Tgt Ion:128 Resp: 100875

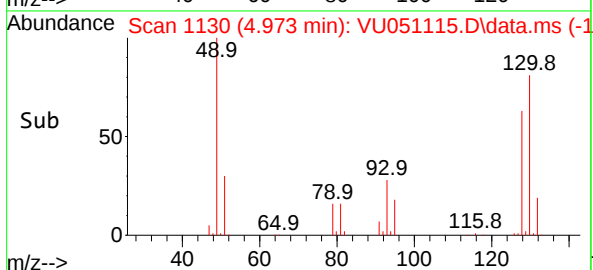
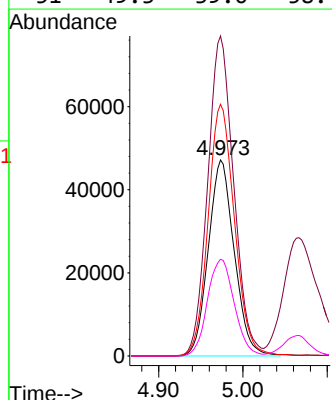
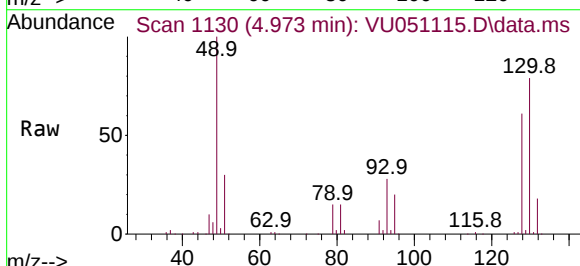
Ion Ratio Lower Upper

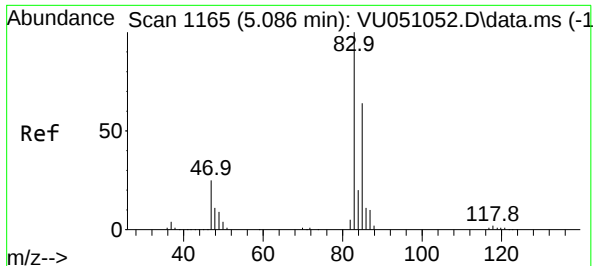
128 100

49 163.2 106.9 198.5

130 128.4 86.2 160.0

51 49.3 39.0 58.4





#25

Chloroform

Concen: 55.011 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

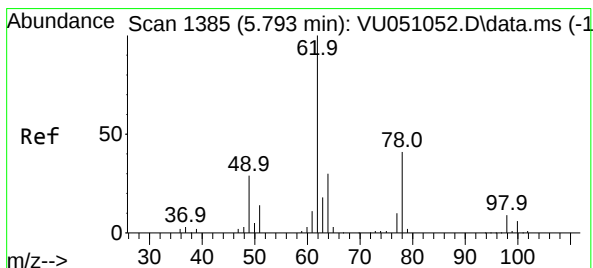
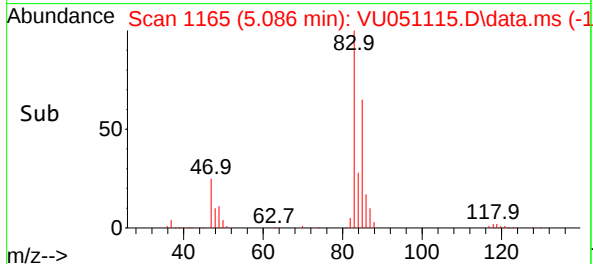
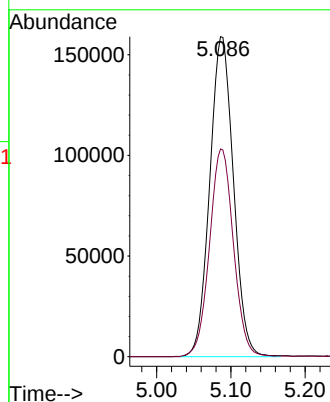
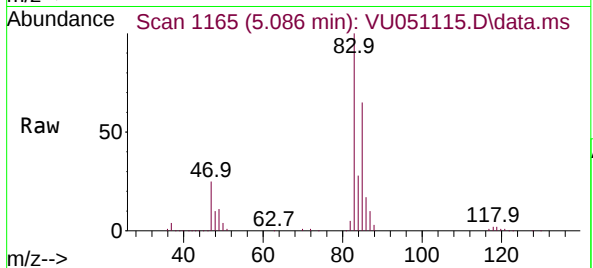
VSTD050107

Tgt Ion: 83 Resp: 352355

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 53.459 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051115.D

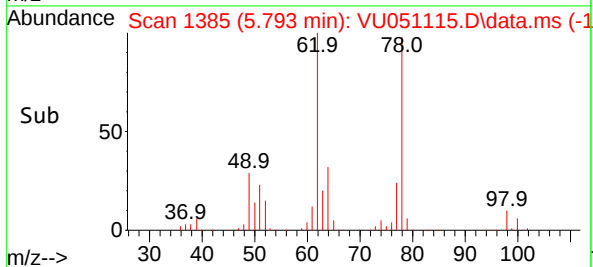
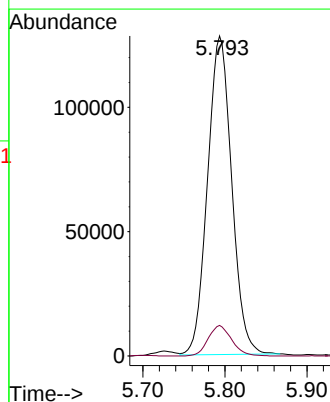
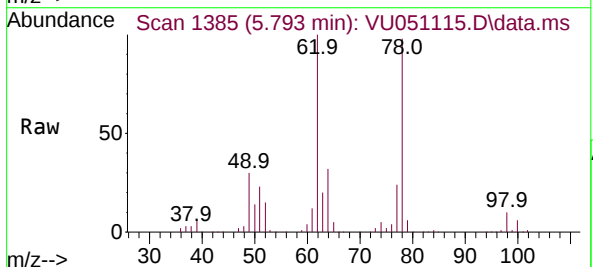
Acq: 05 Oct 2022 09:56

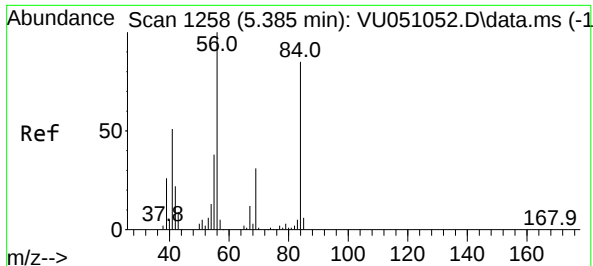
Tgt Ion: 62 Resp: 262296

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 56.492 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

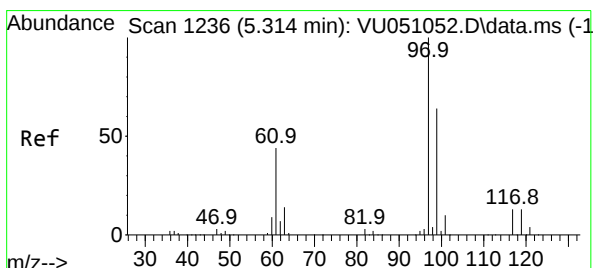
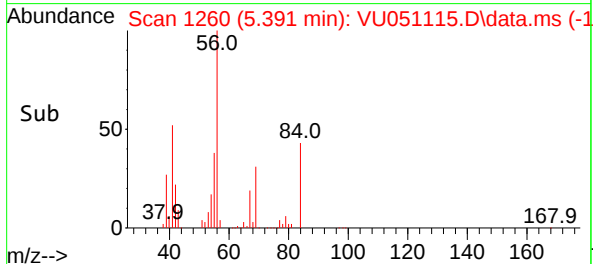
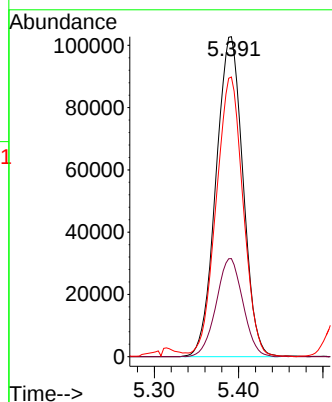
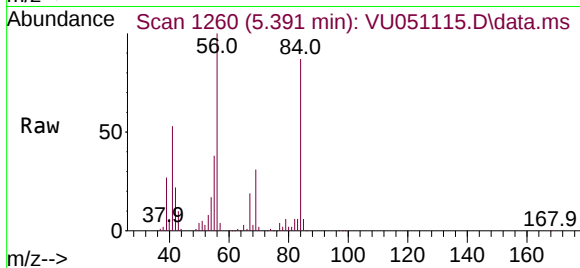
Tgt Ion: 56 Resp: 228592

Ion Ratio Lower Upper

56 100

69 30.3 24.8 37.2

84 87.0 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 54.734 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

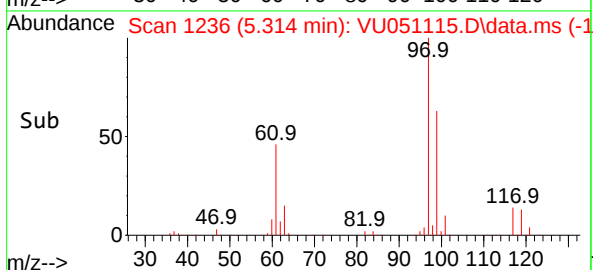
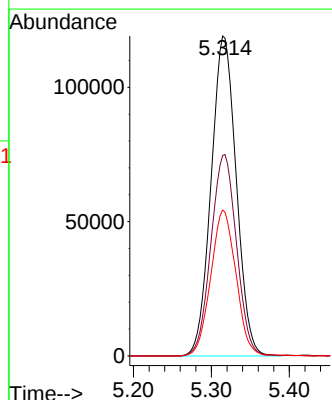
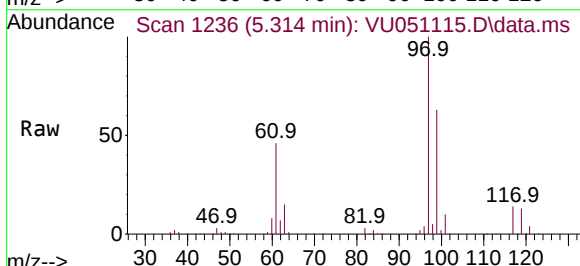
Tgt Ion: 97 Resp: 266765

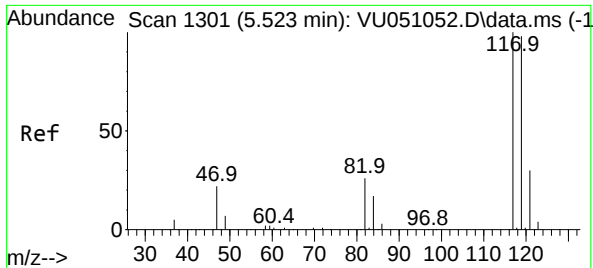
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.2

61 45.7 36.0 54.0

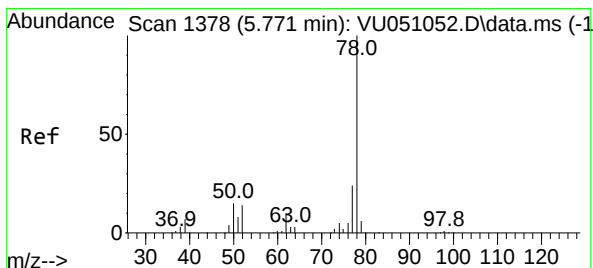
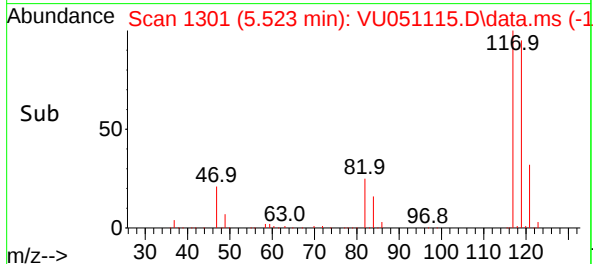
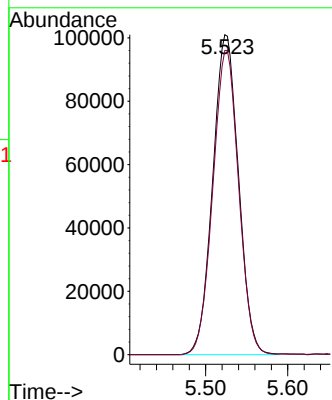
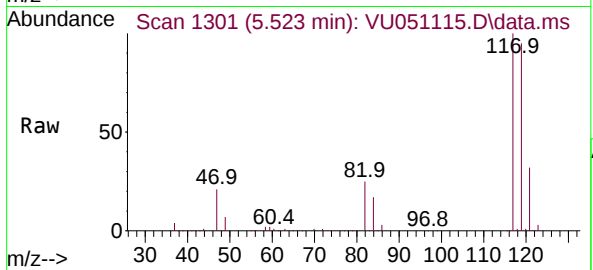




#31
Carbon tetrachloride
Concen: 55.485 ug/L
RT: 5.523 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

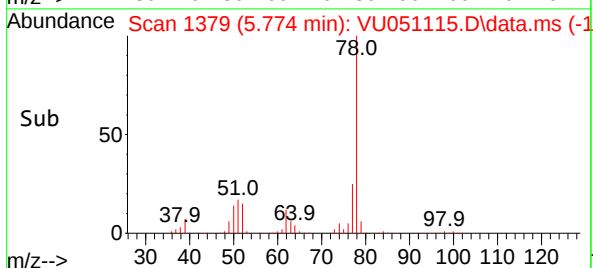
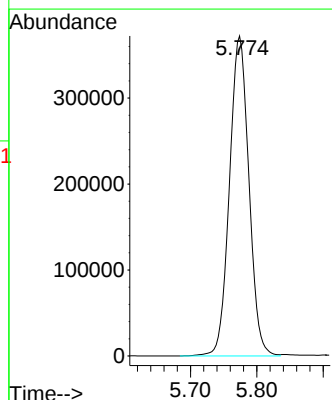
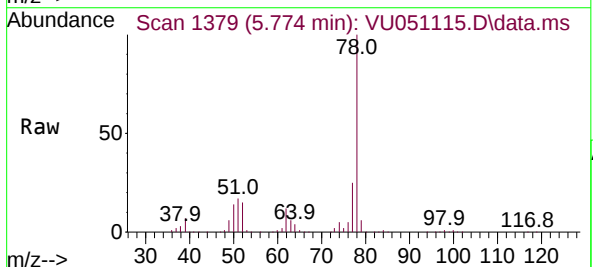
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

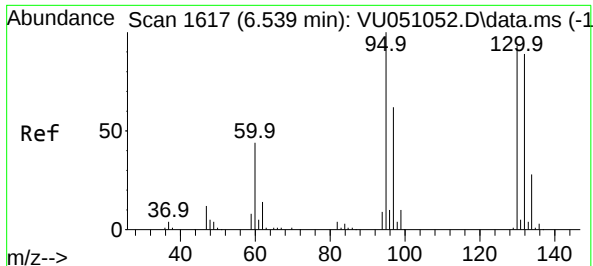
Tgt Ion:117 Resp: 220639
Ion Ratio Lower Upper
117 100
119 95.1 75.7 113.5



#33
Benzene
Concen: 59.818 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 78 Resp: 757875

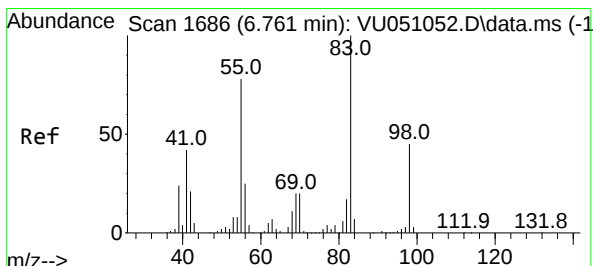
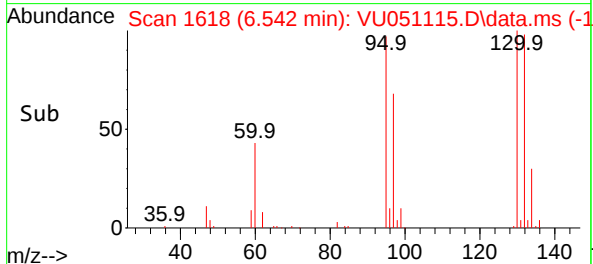
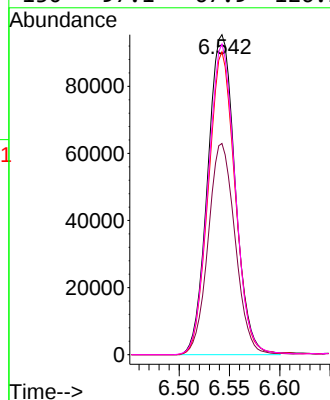
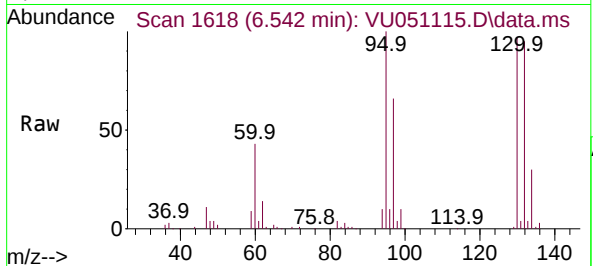




#34
Trichloroethene
Concen: 55.216 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

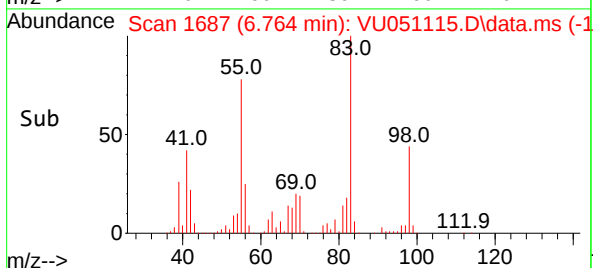
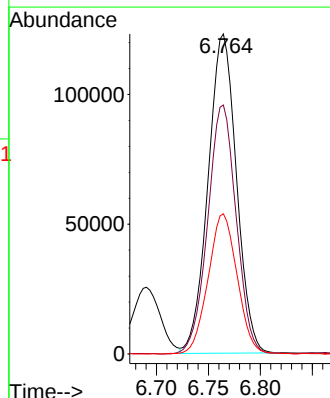
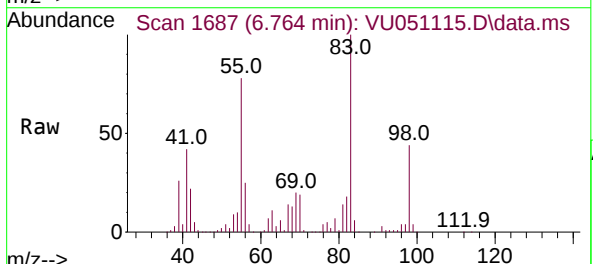
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

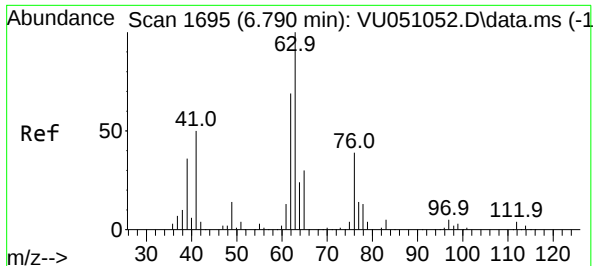
Tgt Ion: 95 Resp: 181194
Ion Ratio Lower Upper
95 100
97 66.0 45.9 85.3
132 94.7 64.0 119.0
130 97.1 67.9 126.1



#35
Methylcyclohexane
Concen: 52.377 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 83 Resp: 233935
Ion Ratio Lower Upper
83 100
55 78.2 59.3 88.9
98 44.9 36.0 54.0





#37

1,2-Dichloropropane

Concen: 60.332 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

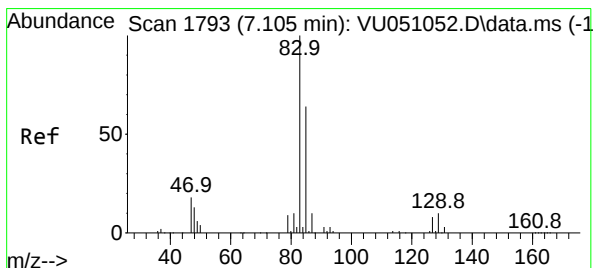
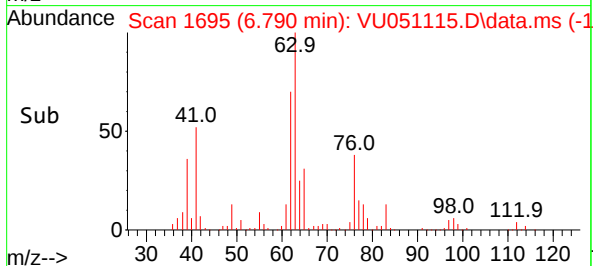
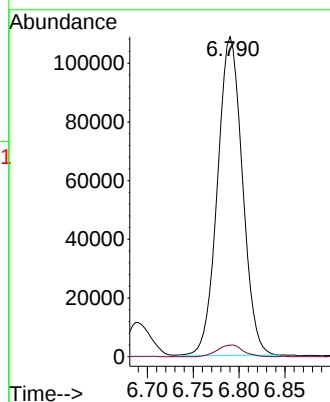
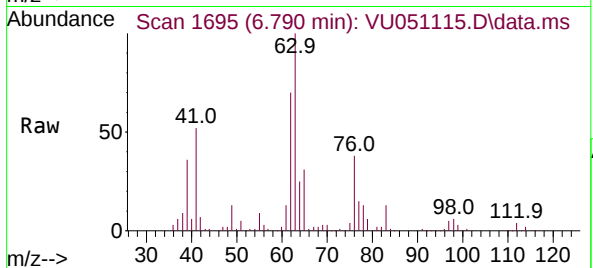
VSTD050107

Tgt Ion: 63 Resp: 205842

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 57.542 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

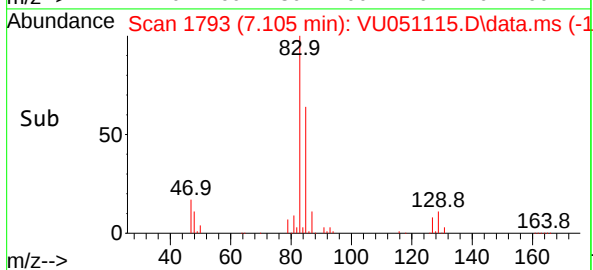
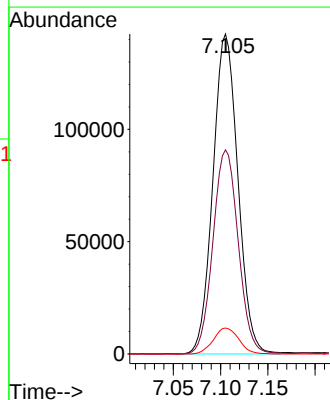
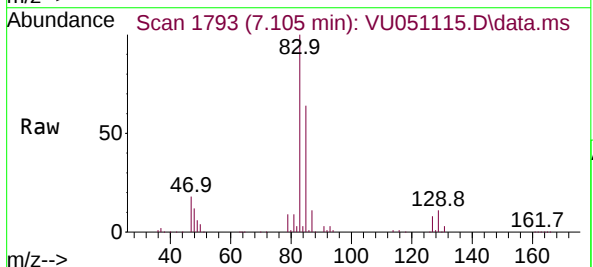
Tgt Ion: 83 Resp: 262002

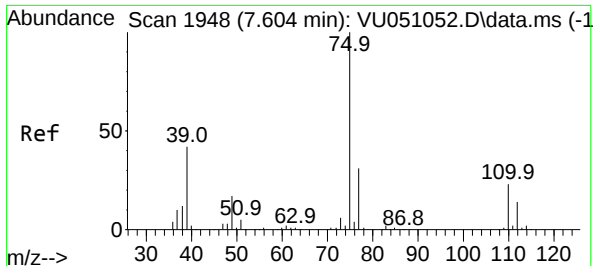
Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.786 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

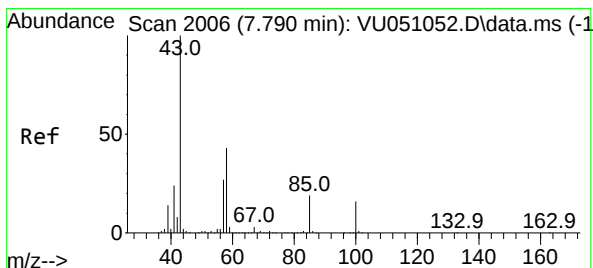
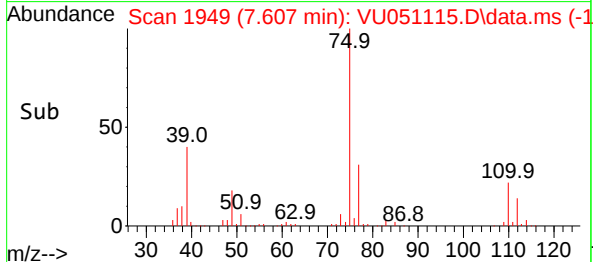
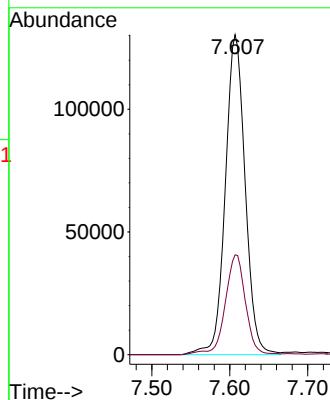
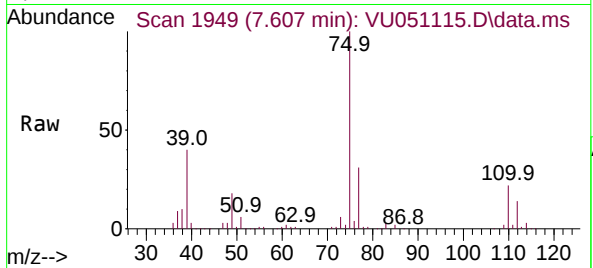
VSTD050107

Tgt Ion: 75 Resp: 230896

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 117.371 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

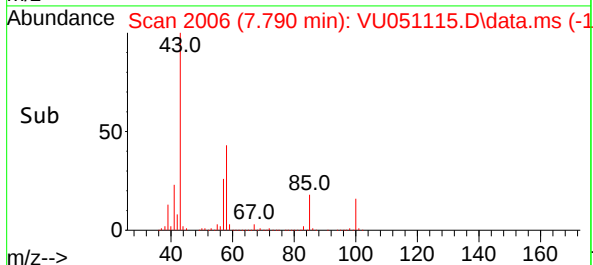
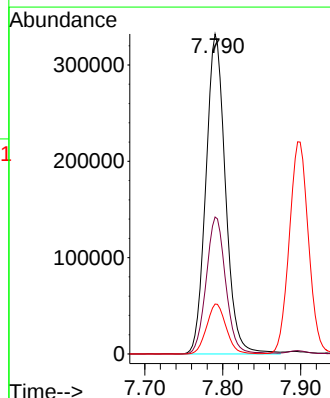
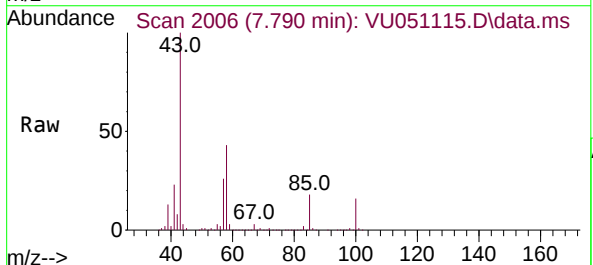
Tgt Ion: 43 Resp: 579927

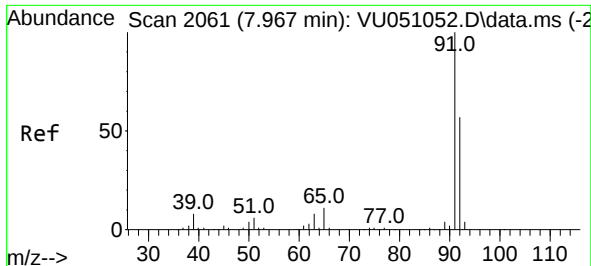
Ion Ratio Lower Upper

43 100

58 42.5 35.0 52.4

100 15.6 13.3 19.9





#42

Toluene

Concen: 58.668 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

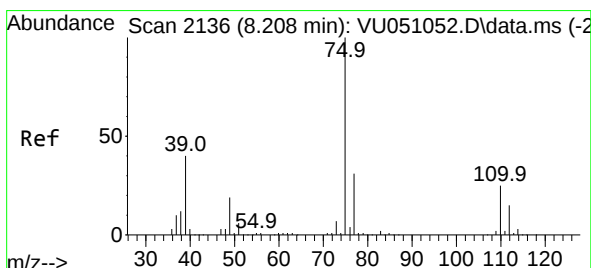
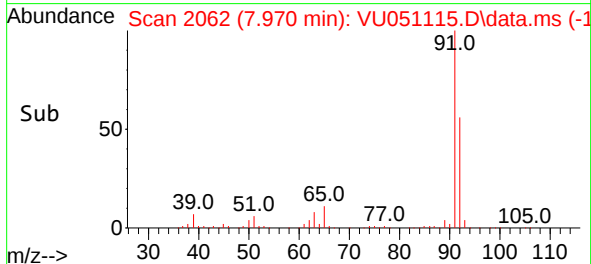
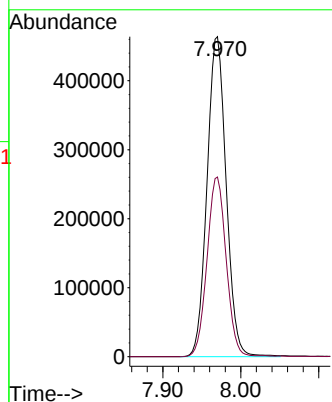
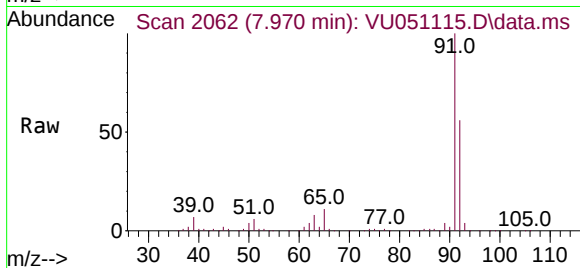
VSTD050107

Tgt Ion: 91 Resp: 790622

Ion Ratio Lower Upper

91 100

92 56.2 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 46.709 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051115.D

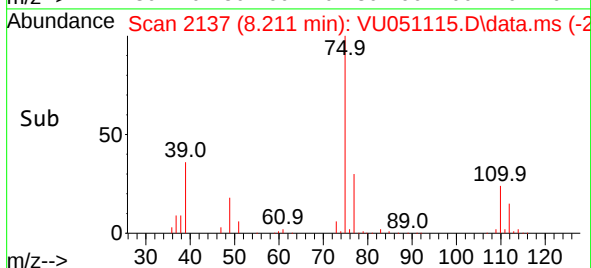
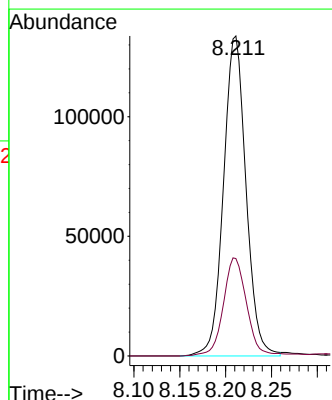
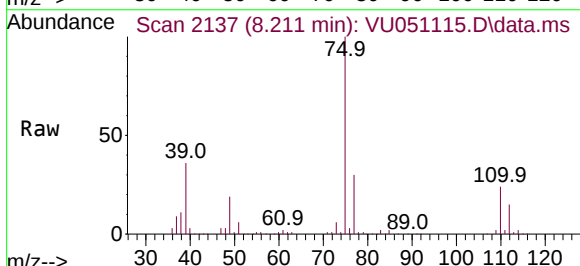
Acq: 05 Oct 2022 09:56

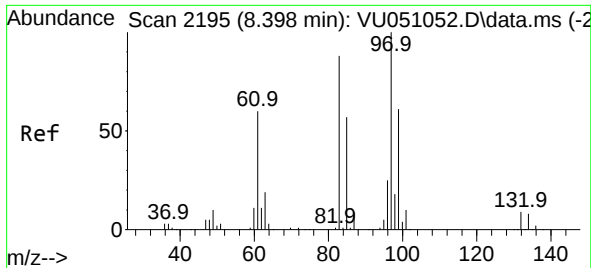
Tgt Ion: 75 Resp: 228201

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.3



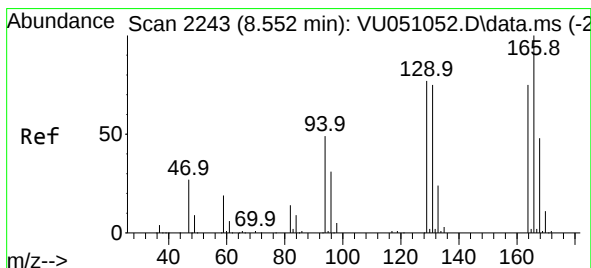
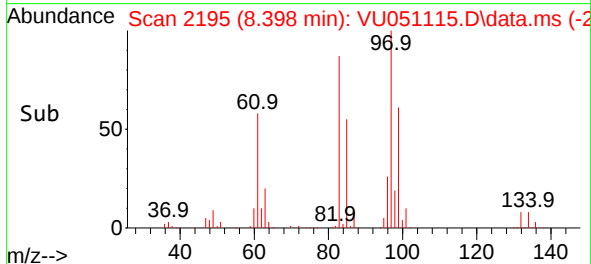
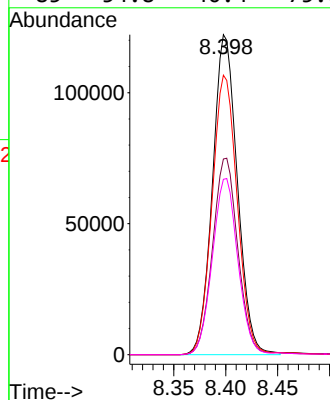
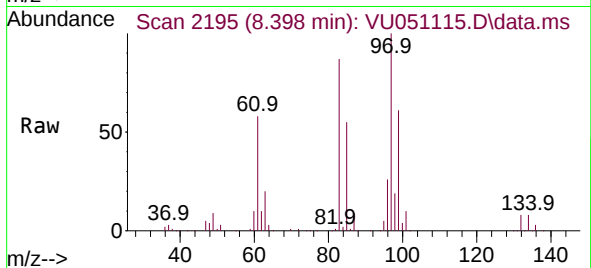


#45
1,1,2-Trichloroethane
Concen: 54.964 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

Tgt Ion: 97 Resp: 203127

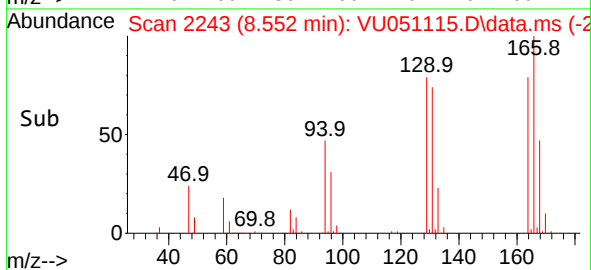
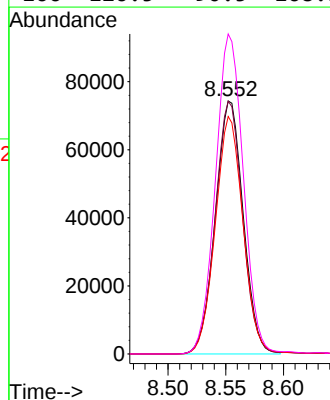
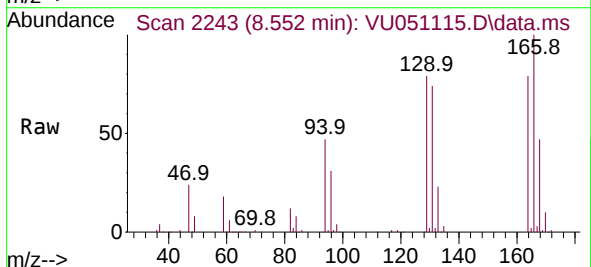
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.4	82.4
83	87.4	61.7	114.5
85	54.8	40.4	75.0

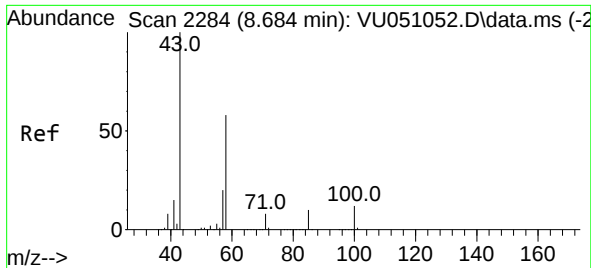


#46
Tetrachloroethene
Concen: 50.057 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 164 Resp: 124486

Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.1	126.5
131	93.9	67.8	126.0
166	126.5	90.5	168.1

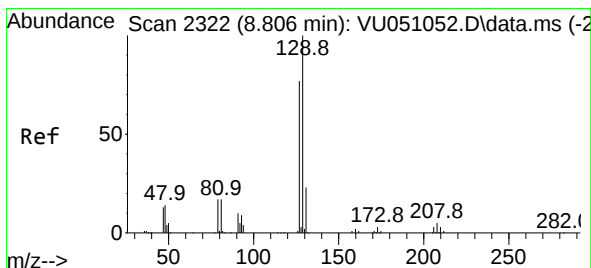
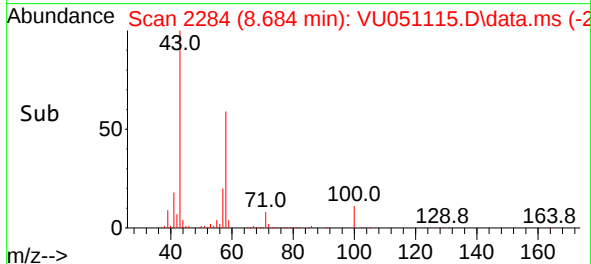
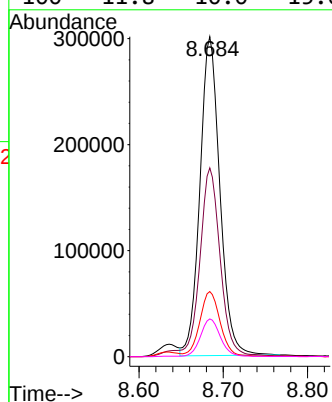
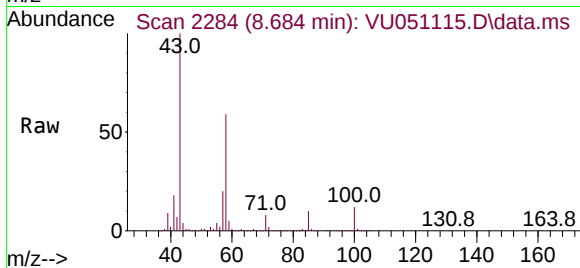




#48
2-Hexanone
Concen: 110.618 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

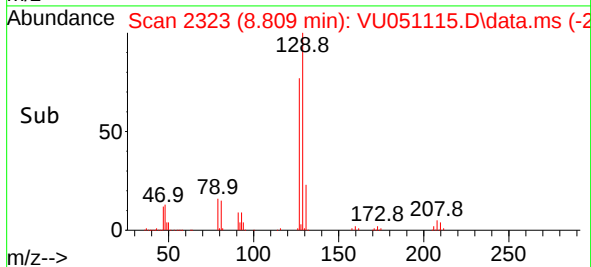
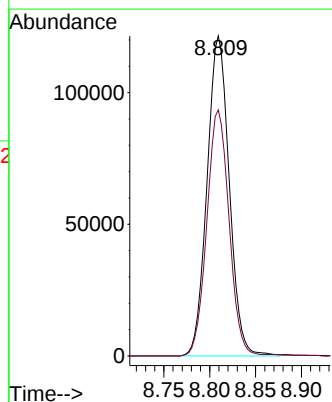
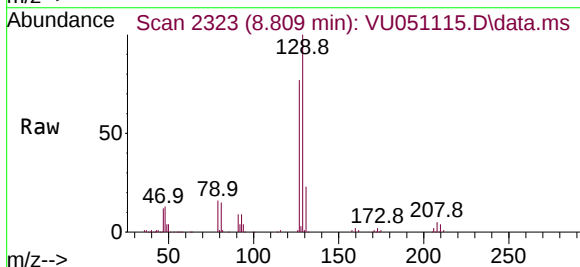
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

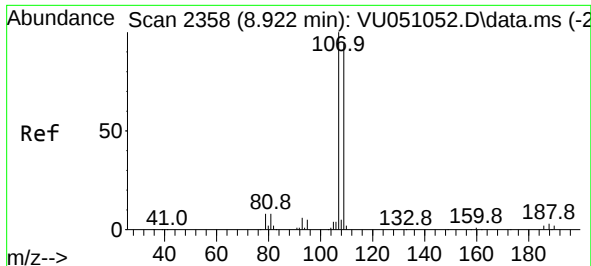
Tgt Ion: 43 Resp: 496441
Ion Ratio Lower Upper
43 100
58 62.0 48.3 72.5
57 20.6 15.9 23.9
100 11.8 10.0 15.0



#49
Dibromochloromethane
Concen: 52.680 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 129 Resp: 204688
Ion Ratio Lower Upper
129 100
127 76.9 52.8 98.0





#50

1,2-Dibromoethane

Concen: 51.793 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

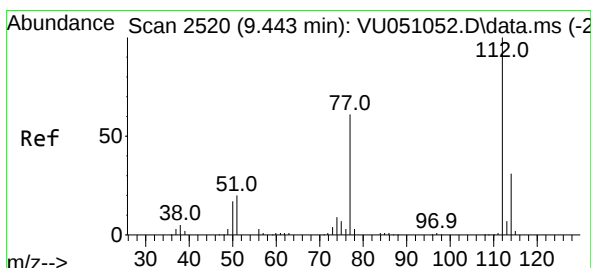
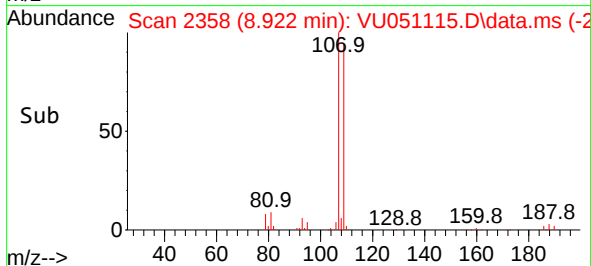
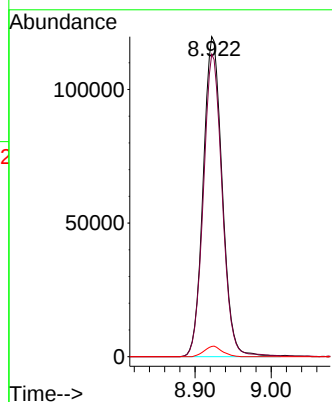
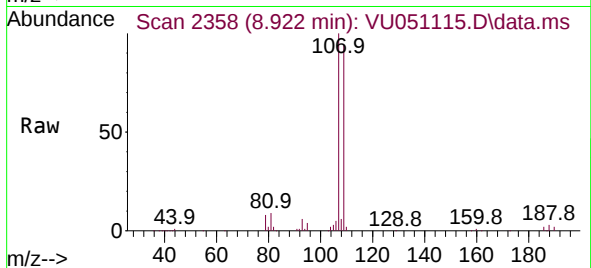
Tgt Ion:107 Resp: 207527

Ion Ratio Lower Upper

107 100

109 94.5 64.1 119.1

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 51.403 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

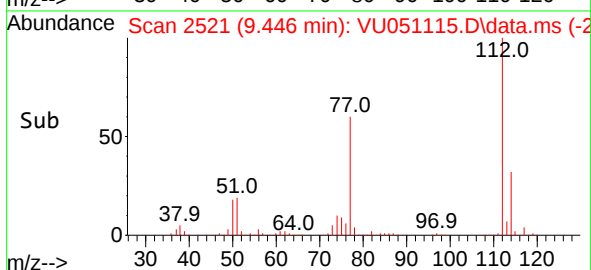
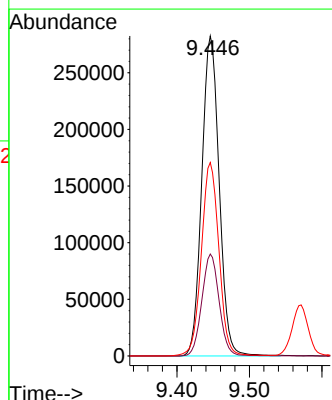
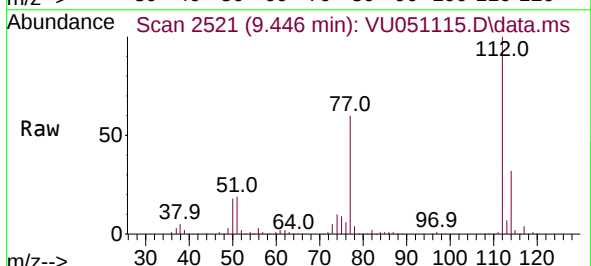
Tgt Ion:112 Resp: 471079

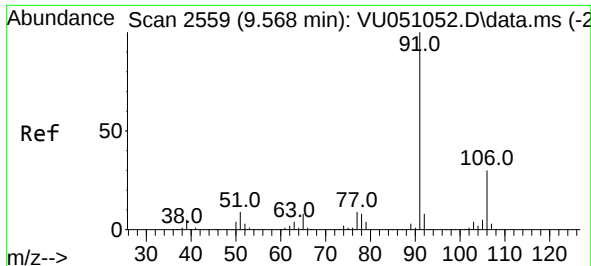
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 60.4 48.2 72.2

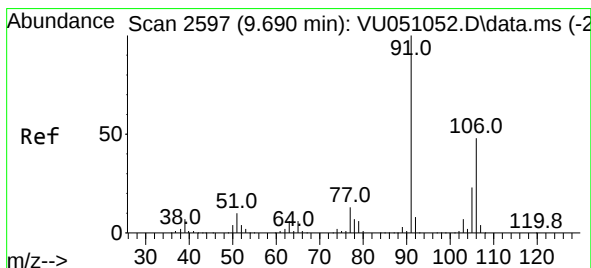
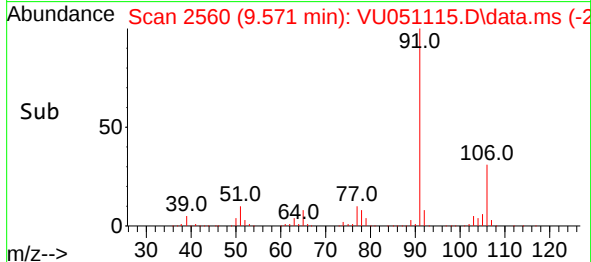
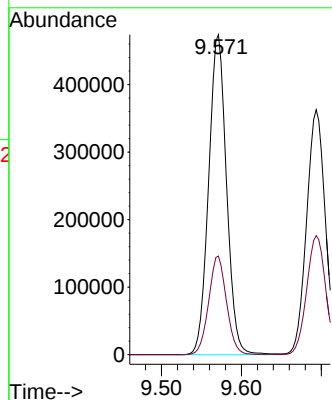
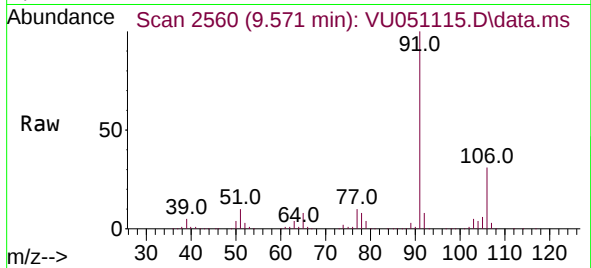




#52
Ethylbenzene
Concen: 51.254 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

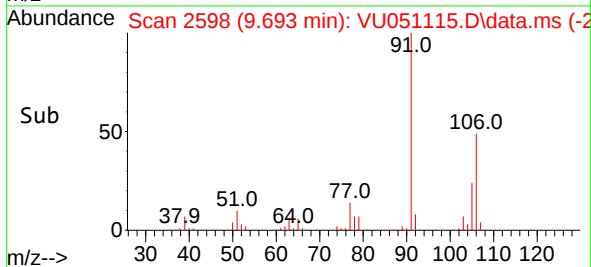
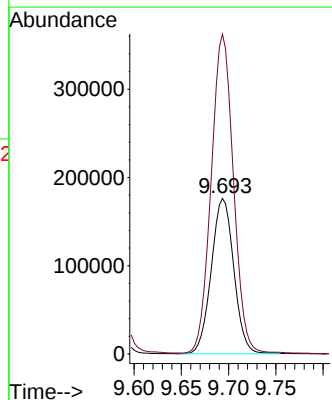
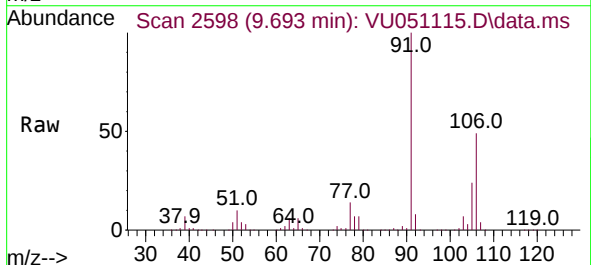
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

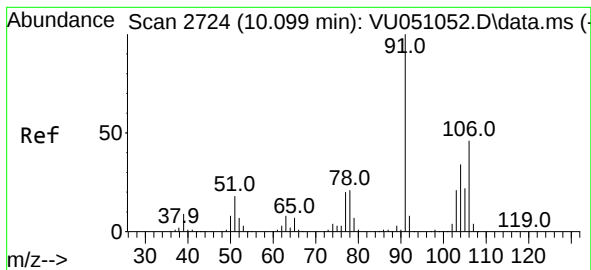
Tgt Ion: 91 Resp: 736755
Ion Ratio Lower Upper
91 100
106 30.8 21.7 40.3



#53
m,p-Xylene
Concen: 53.907 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 106 Resp: 291397
Ion Ratio Lower Upper
106 100
91 205.7 141.9 263.5

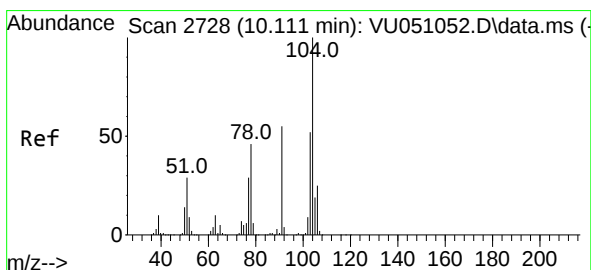
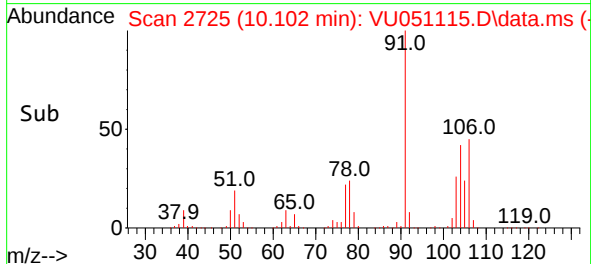
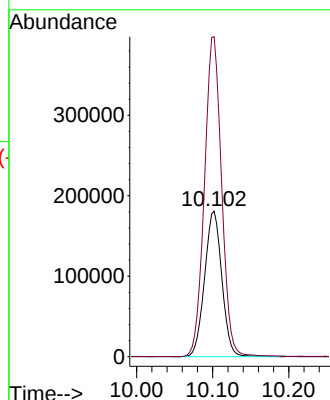
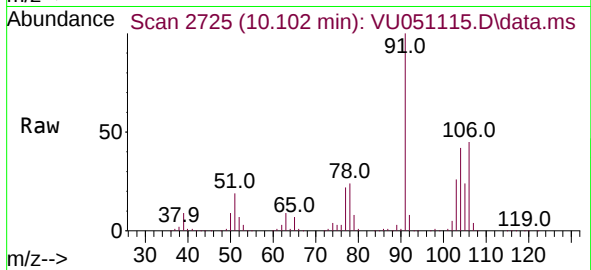




#54
o-Xylene
Concen: 52.716 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

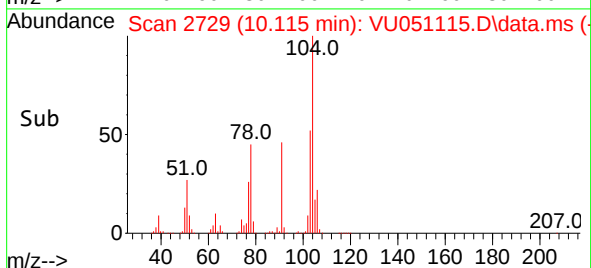
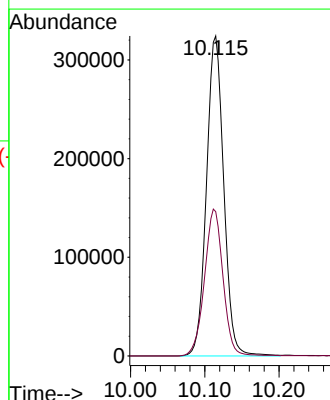
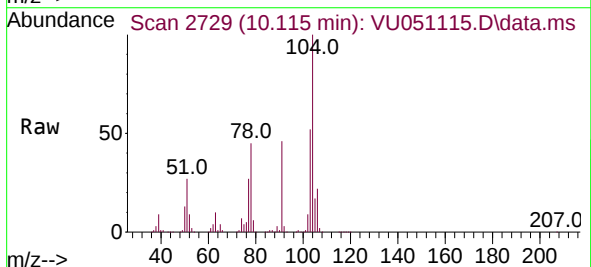
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

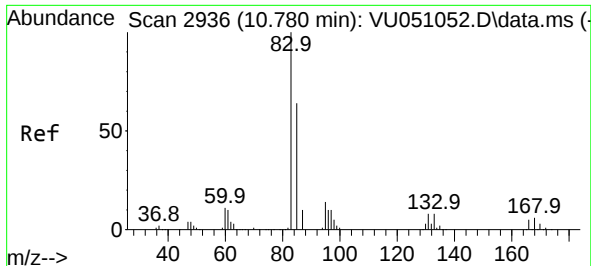
Tgt Ion:106 Resp: 284825
Ion Ratio Lower Upper
106 100
91 220.1 152.4 283.0



#55
Styrene
Concen: 56.007 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion:104 Resp: 523005
Ion Ratio Lower Upper
104 100
78 45.1 31.0 57.6

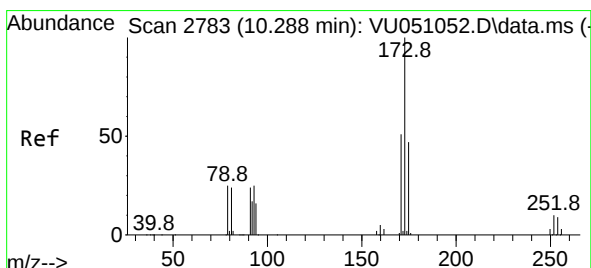
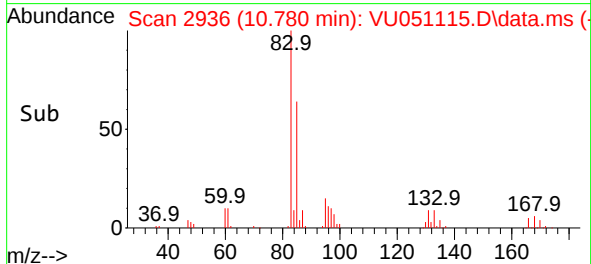
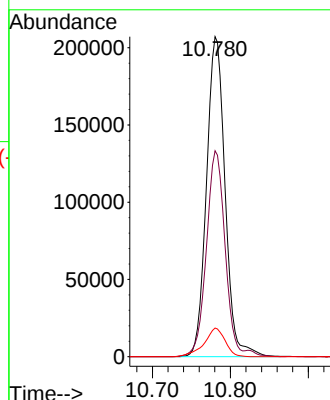
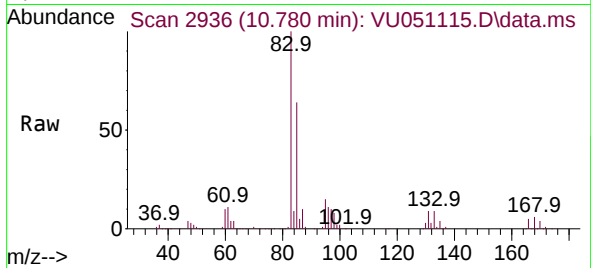




#57
1,1,2,2-Tetrachloroethane
Concen: 52.498 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

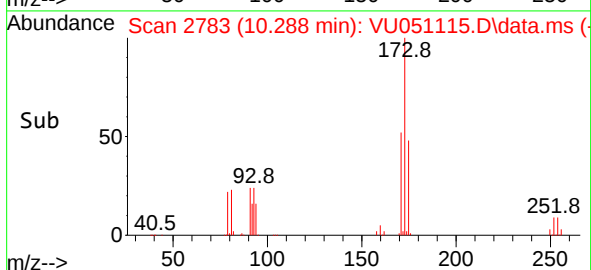
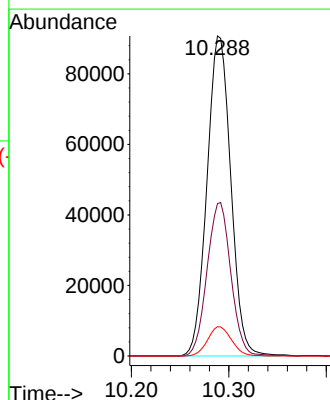
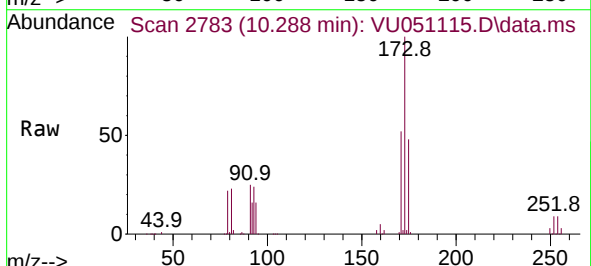
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

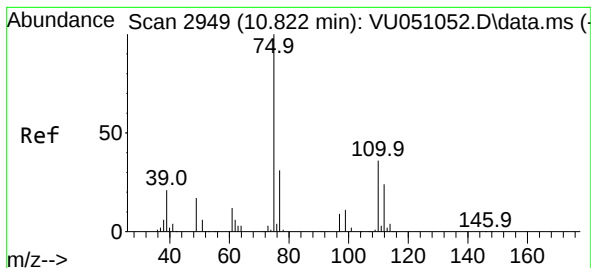
Tgt Ion: 83 Resp: 343364
Ion Ratio Lower Upper
83 100
85 64.3 44.7 83.1
131 8.9 7.0 10.4



#59
Bromoform
Concen: 51.071 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 173 Resp: 154221
Ion Ratio Lower Upper
173 100
175 47.8 39.4 59.0
254 9.1 7.4 11.0





#60

1,2,3-Trichloropropane

Concen: 51.892 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

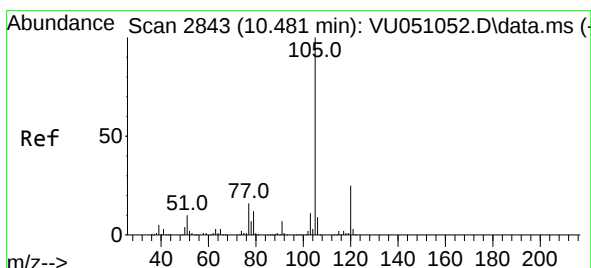
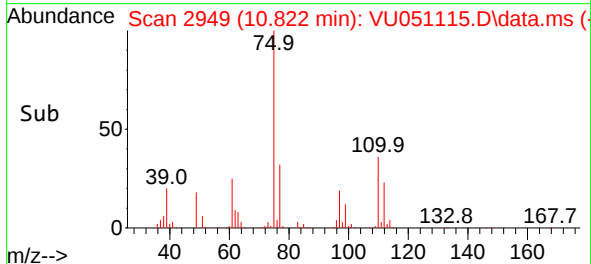
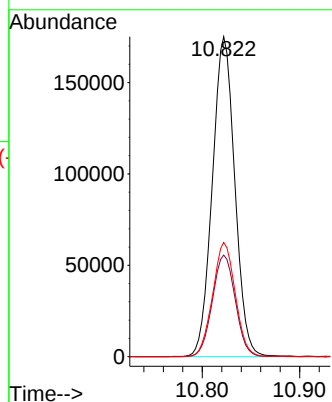
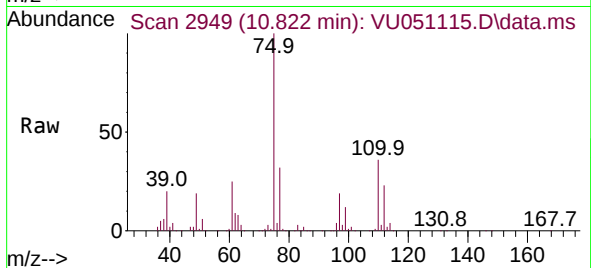
Tgt Ion: 75 Resp: 280258

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

110 36.0 30.0 45.0



#61

Isopropylbenzene

Concen: 52.324 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

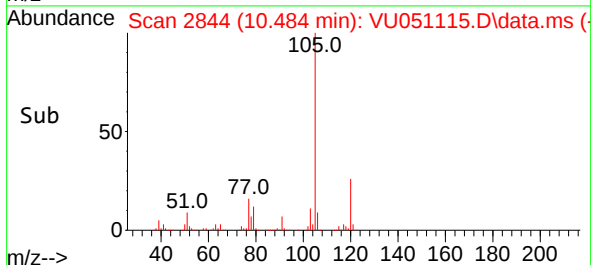
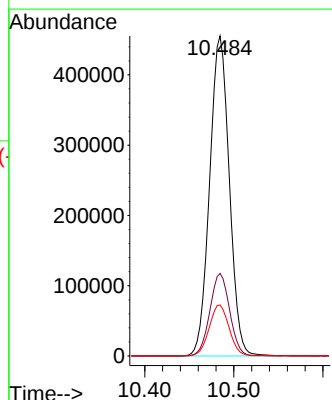
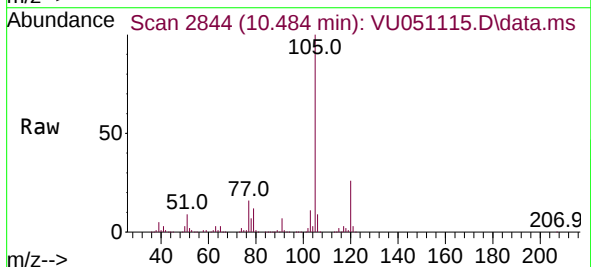
Tgt Ion: 105 Resp: 697591

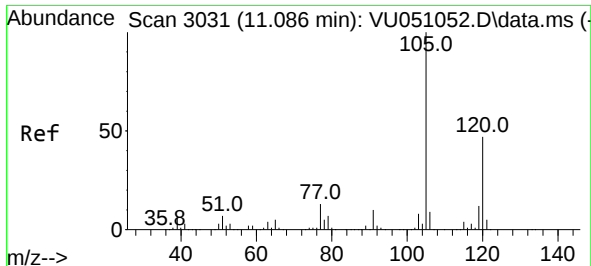
Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

77 16.2 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 52.187 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

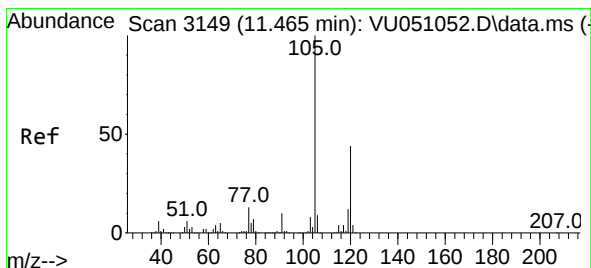
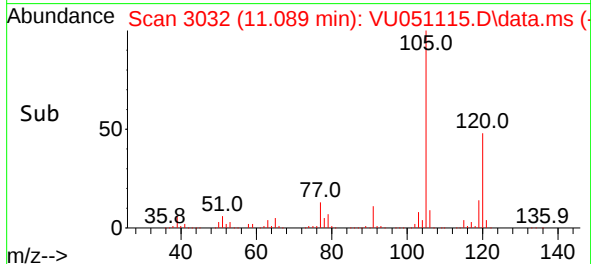
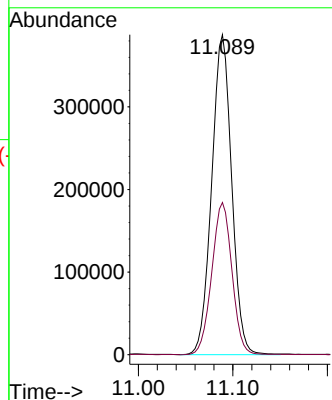
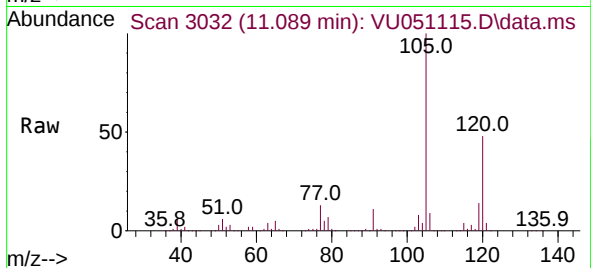
VSTD050107

Tgt Ion:105 Resp: 568935

Ion Ratio Lower Upper

105 100

120 47.9 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 52.624 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051115.D

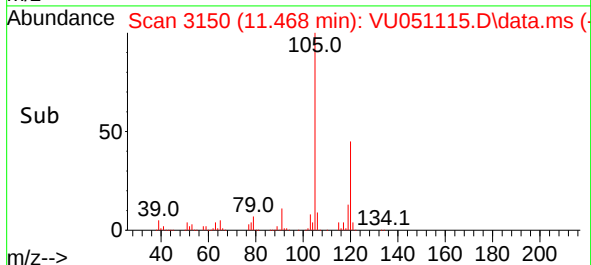
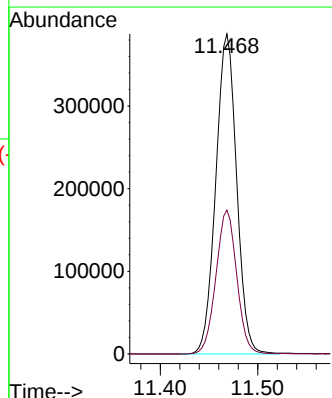
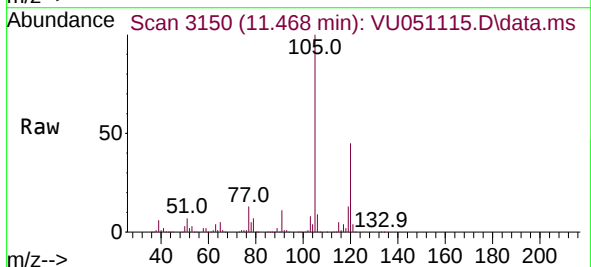
Acq: 05 Oct 2022 09:56

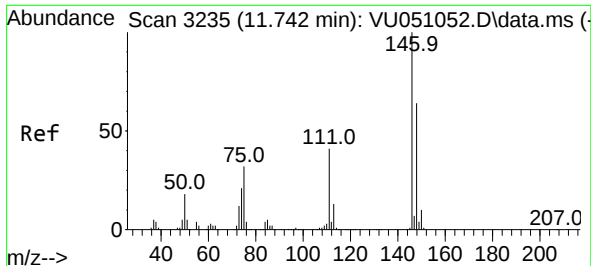
Tgt Ion:105 Resp: 574995

Ion Ratio Lower Upper

105 100

120 44.8 35.5 53.3

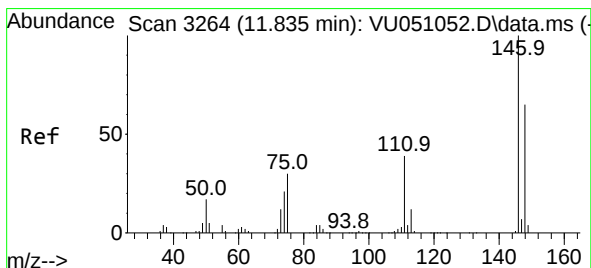
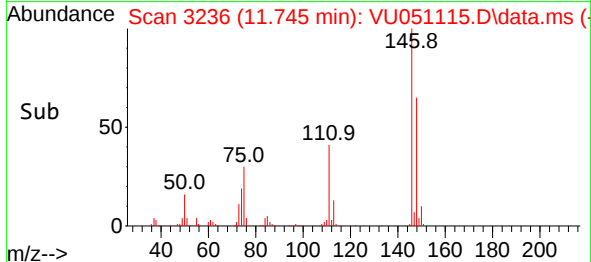
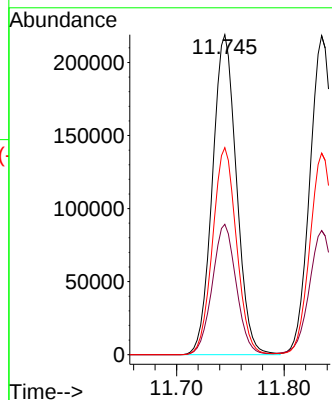
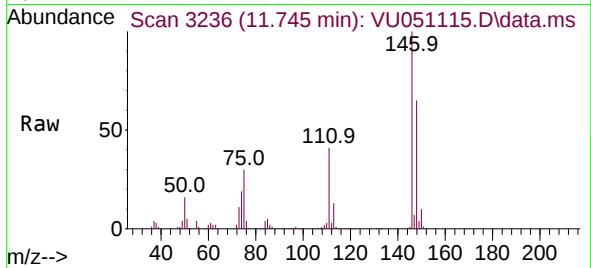




#64
1,3-Dichlorobenzene
Concen: 49.538 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

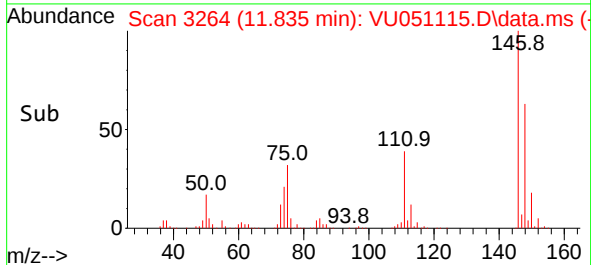
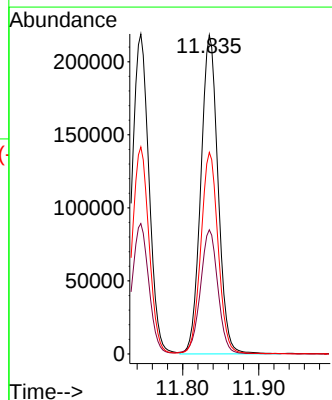
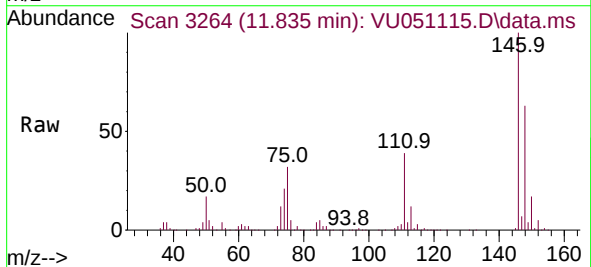
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

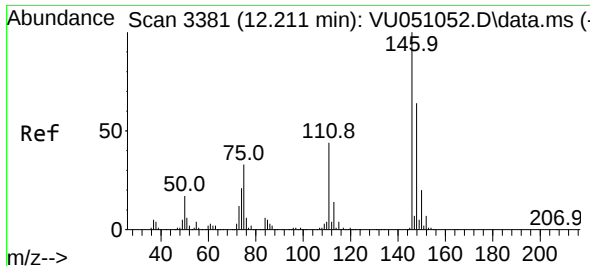
Tgt Ion:146 Resp: 340478
Ion Ratio Lower Upper
146 100
111 40.8 28.2 52.4
148 64.7 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 50.056 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion:146 Resp: 343905
Ion Ratio Lower Upper
146 100
111 38.9 27.0 50.2
148 63.2 45.1 83.9

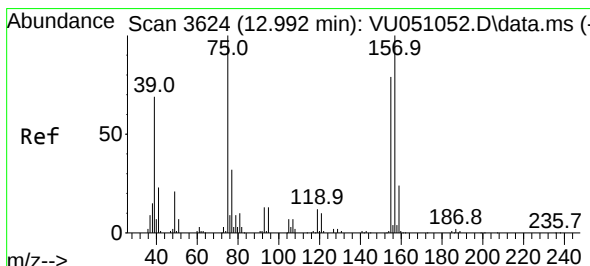
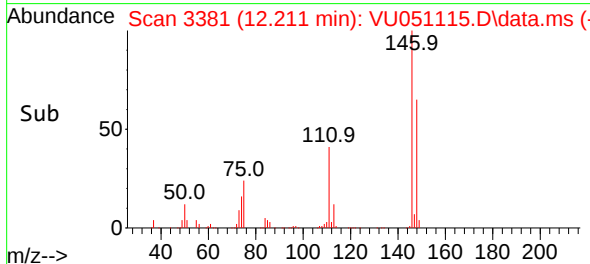
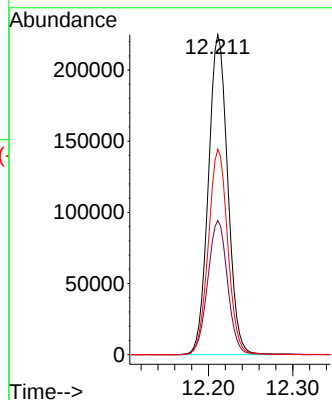
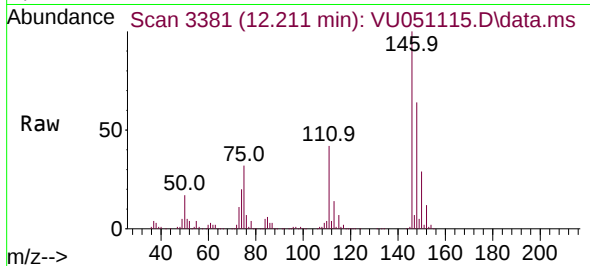




#67
1,2-Dichlorobenzene
Concen: 50.831 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

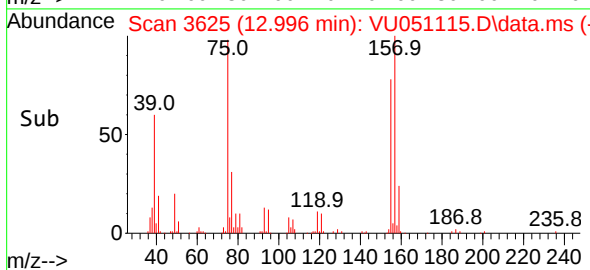
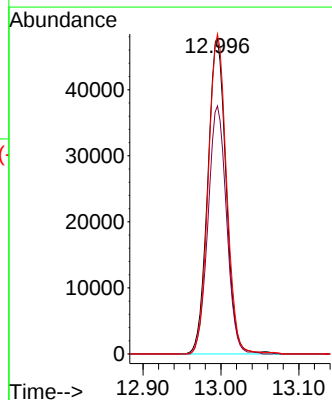
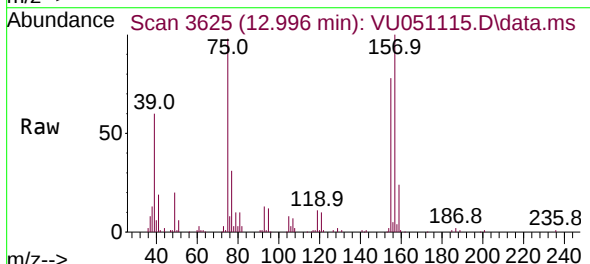
Instrument :
MSVOA_U
ClientSampleId :
VSTD050107

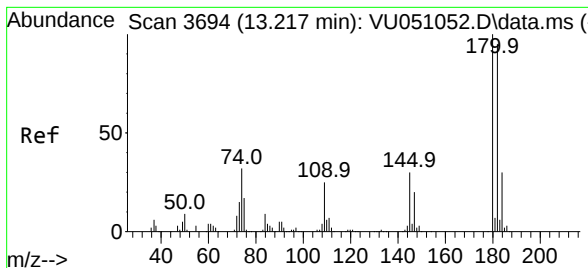
Tgt Ion:146 Resp: 358942
Ion Ratio Lower Upper
146 100
111 41.9 33.7 50.5
148 64.1 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.782 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051115.D
Acq: 05 Oct 2022 09:56

Tgt Ion: 75 Resp: 78460
Ion Ratio Lower Upper
75 100
155 78.7 64.4 96.6
157 101.5 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 46.852 ug/L

RT: 13.217 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

Tgt Ion:180 Resp: 218367

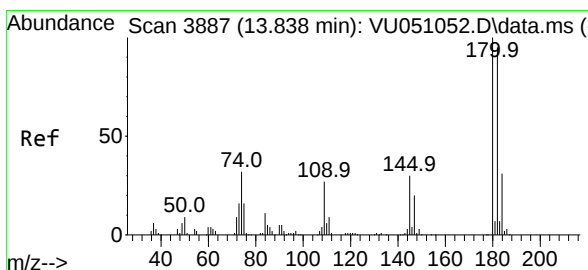
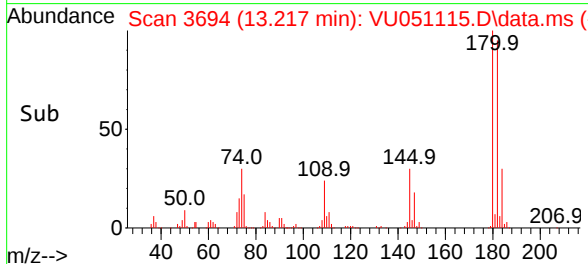
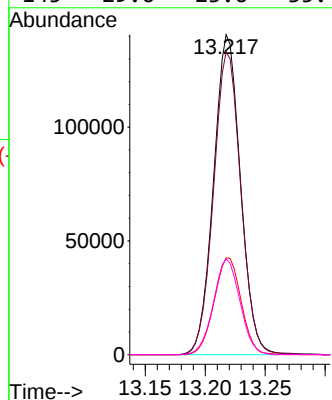
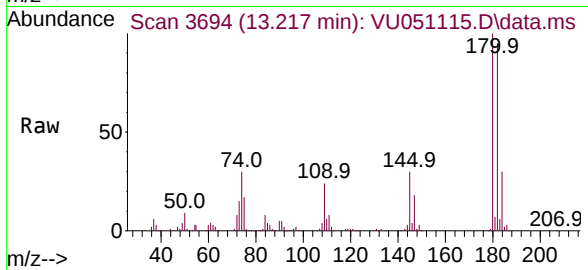
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

184 30.5 24.4 36.6

145 29.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 44.020 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

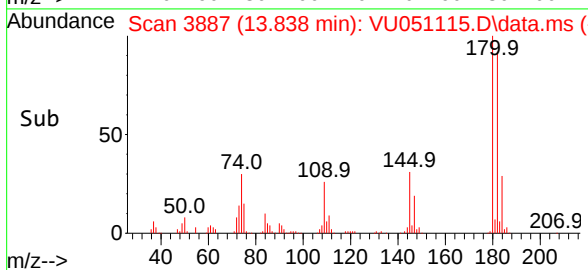
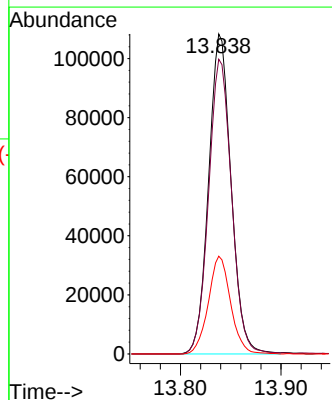
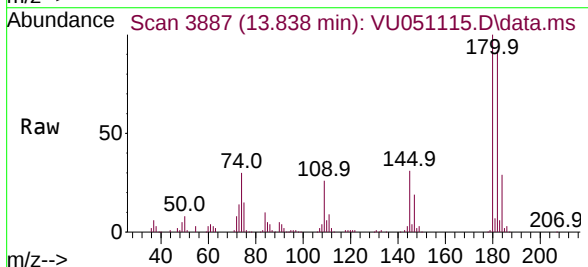
Tgt Ion:180 Resp: 167864

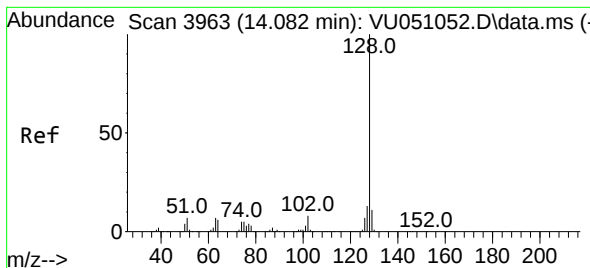
Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

145 30.4 24.0 36.0





#71

Naphthalene

Concen: 44.381 ug/L

RT: 14.086 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD050107

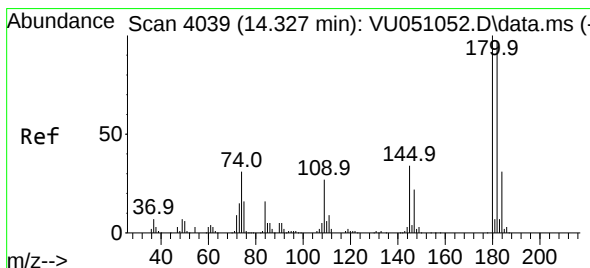
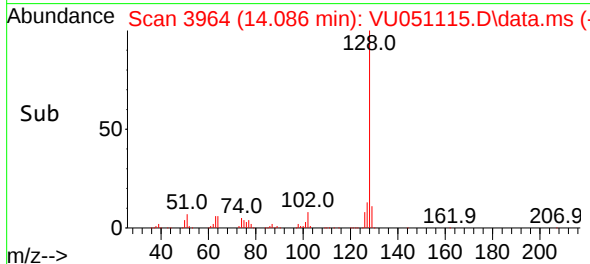
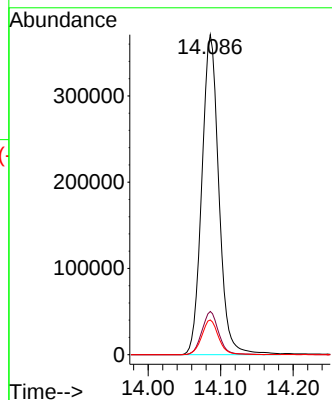
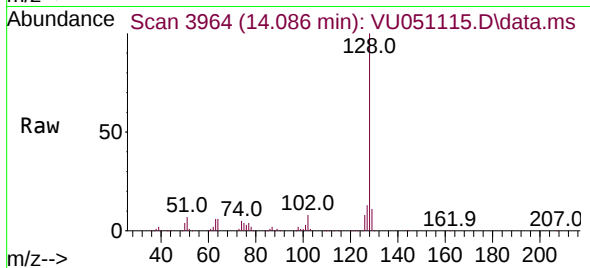
Tgt Ion:128 Resp: 605746

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.544 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051115.D

Acq: 05 Oct 2022 09:56

Tgt Ion:180 Resp: 206567

Ion Ratio Lower Upper

180 100

182 93.8 76.0 114.0

145 31.9 26.1 39.1

