

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051855.D
 Acq On : 15 Nov 2022 12:13
 Operator : JC/MD
 Sample : VSTD00549
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005049

Quant Time: Nov 16 00:42:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 00:41:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	439312	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	452057	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	192167	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	12260	3.799	ug/L	0.00
7) Chloroethane-d5	1.906	69	12162	4.458	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	20405	3.671	ug/L	0.00
21) 2-Butanone-d5	4.629	46	22622	9.253	ug/L	0.01
24) Chloroform-d	5.063	84	28904	4.651	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	18652	4.852	ug/L	0.00
32) Benzene-d6	5.726	84	47053	4.046	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	18328	4.690	ug/L	0.00
41) Toluene-d8	7.899	98	35727	3.439	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	6564	4.008	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	12336	6.991	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	34060	4.911	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	18032	5.088	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	15130	4.119	ug/L	94
3) Chloromethane	1.523	50	20059	4.245	ug/L	99
5) Vinyl chloride	1.604	62	19487	4.156	ug/L #	78
6) Bromomethane	1.842	94	9316	3.938	ug/L	93
8) Chloroethane	1.925	64	12591	4.442	ug/L	93
9) Trichlorofluoromethane	2.134	101	24266	4.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	14993	4.450	ug/L	97
12) 1,1-Dichloroethene	2.578	96	13383	4.214	ug/L	98
13) Acetone	2.623	43	32159	11.520	ug/L	98
14) Carbon disulfide	2.790	76	37474	3.717	ug/L	97
15) Methyl Acetate	2.948	43	17137	4.138	ug/L	96
16) Methylene chloride	3.044	84	27397	6.479	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	14617	4.470	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	39333	4.144	ug/L	98
19) 1,1-Dichloroethane	3.867	63	29511	4.539	ug/L	95
20) cis-1,2-Dichloroethene	4.665	96	15385	4.254	ug/L	96
22) 2-Butanone	4.707	43	28573	8.876	ug/L	97
23) Bromochloromethane	4.973	128	8999	4.432	ug/L #	95
25) Chloroform	5.089	83	30465	4.537	ug/L	100
27) 1,2-Dichloroethane	5.793	62	22278	4.312	ug/L	98
29) Cyclohexane	5.388	56	15507	3.357	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	22587	4.297	ug/L	98
31) Carbon tetrachloride	5.520	117	19604	4.405	ug/L	96
33) Benzene	5.774	78	60594	4.166	ug/L	100
34) Trichloroethene	6.543	95	15371	4.384	ug/L	98
35) Methylcyclohexane	6.764	83	17060	3.424	ug/L	96
37) 1,2-Dichloropropane	6.790	63	18526	4.629	ug/L	99
38) Bromodichloromethane	7.105	83	22890	4.481	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	19795	3.747	ug/L	94
40) 4-Methyl-2-pentanone	7.790	43	35729	6.690	ug/L	96
42) Toluene	7.970	91	55510	3.726	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	18817	3.676	ug/L	95

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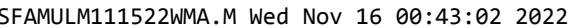
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005049

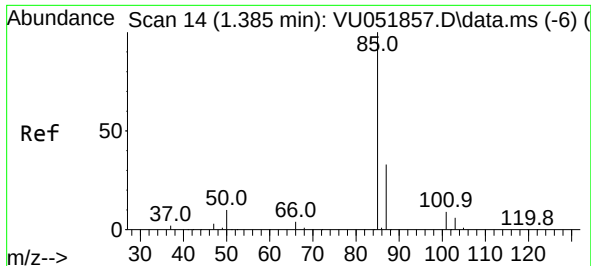
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	18440	4.596	ug/L	97
46) Tetrachloroethene	8.552	164	13955	5.336	ug/L	88
48) 2-Hexanone	8.684	43	30480	6.738	ug/L	98
49) Dibromochloromethane	8.809	129	18179	4.401	ug/L	100
50) 1,2-Dibromoethane	8.925	107	18119	4.407	ug/L	96
51) Chlorobenzene	9.446	112	43368	4.398	ug/L	100
52) Ethylbenzene	9.571	91	53751	3.556	ug/L	97
53) m,p-Xylene	9.694	106	19289	3.317	ug/L	98
54) o-Xylene	10.099	106	19673	3.392	ug/L	97
55) Styrene	10.115	104	30961	3.080	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	33890	4.436	ug/L	95
59) Bromoform	10.292	173	14303	5.326	ug/L	96
60) 1,2,3-Trichloropropane	10.822	75	25106	5.093	ug/L	99
61) Isopropylbenzene	10.484	105	47372	3.943	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	34506	3.420	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	31146	3.138	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	26547	4.337	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	27703	4.411	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	29945	4.686	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	6003	4.525	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	17345	4.221	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	11893	3.747	ug/L	99
71) Naphthalene	14.089	128	31966	3.118	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	13037	3.836	ug/L	99

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

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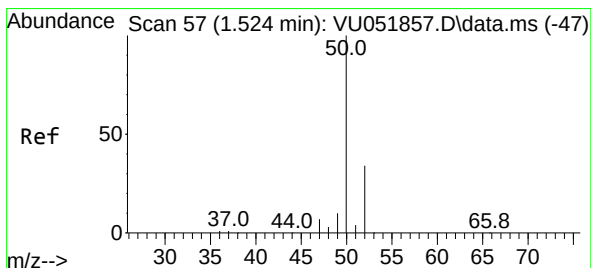
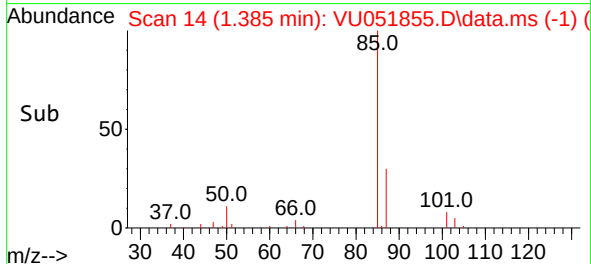
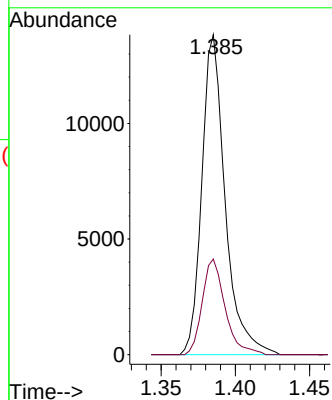
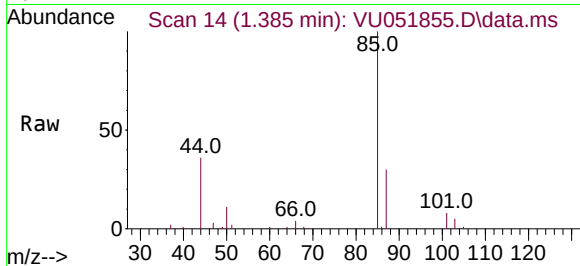




#2
Dichlorodifluoromethane
Concen: 4.119 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

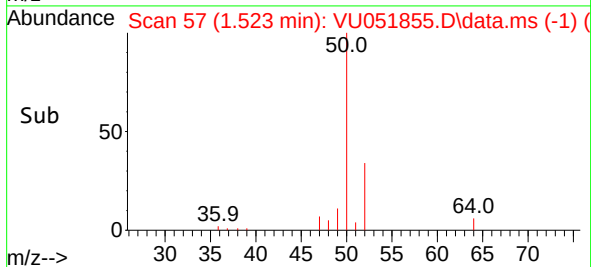
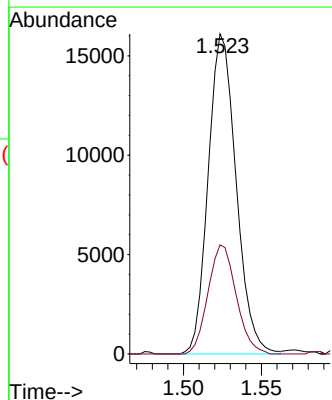
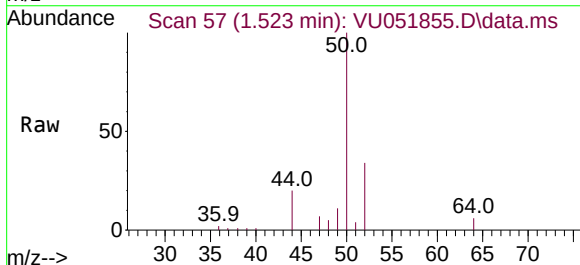
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

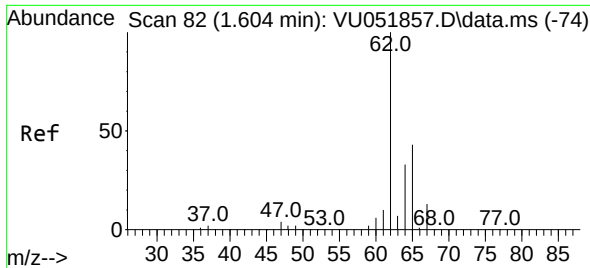
Tgt Ion: 85 Resp: 15130
Ion Ratio Lower Upper
85 100
87 29.3 26.0 39.0



#3
Chloromethane
Concen: 4.245 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 50 Resp: 20059
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.6

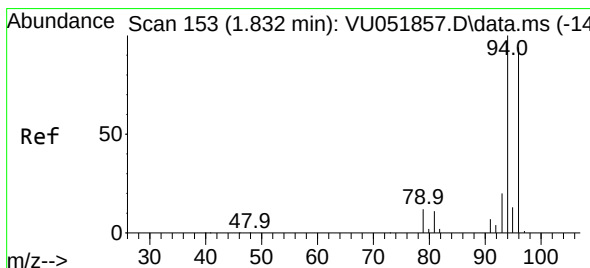
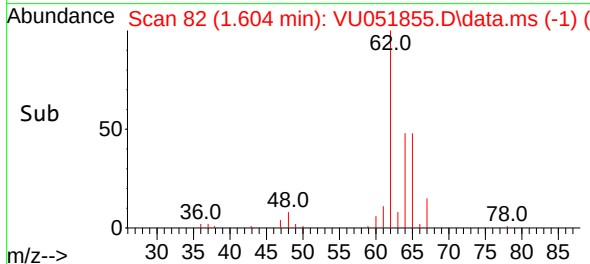
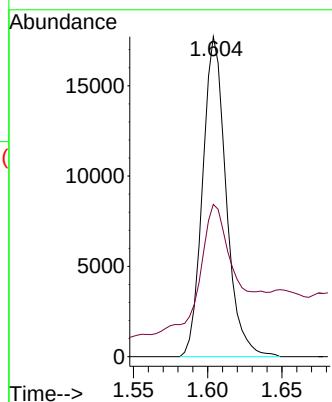
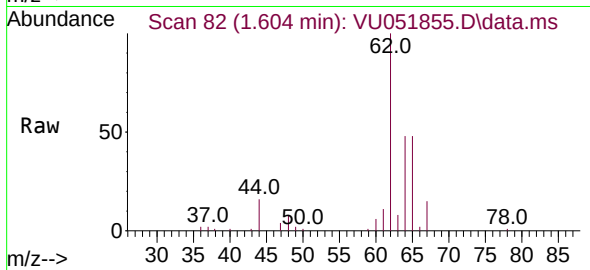




#5
 Vinyl chloride
 Concen: 4.156 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051855.D
 Acq: 15 Nov 2022 12:13

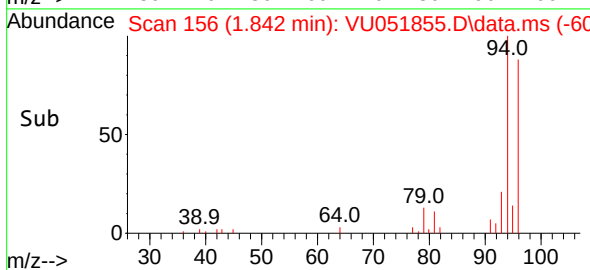
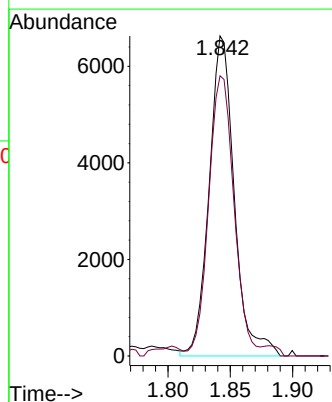
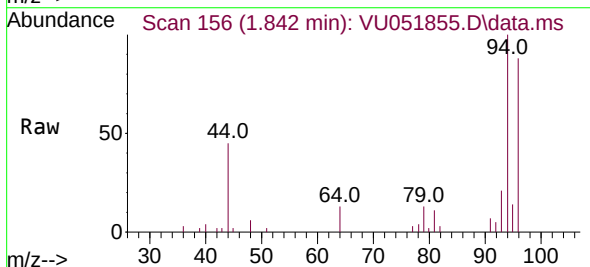
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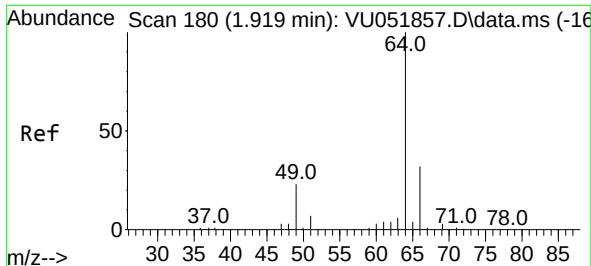
Tgt Ion: 62 Resp: 19487
 Ion Ratio Lower Upper
 62 100
 64 47.6 24.3 45.1#



#6
 Bromomethane
 Concen: 3.938 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.009 min
 Lab File: VU051855.D
 Acq: 15 Nov 2022 12:13

Tgt Ion: 94 Resp: 9316
 Ion Ratio Lower Upper
 94 100
 96 87.5 66.1 122.7

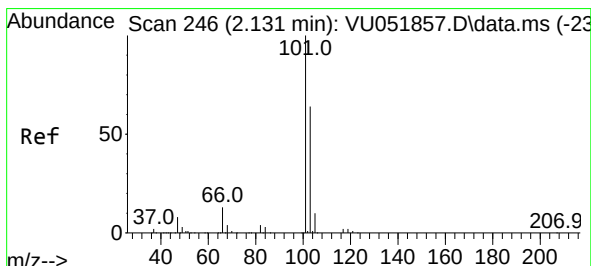
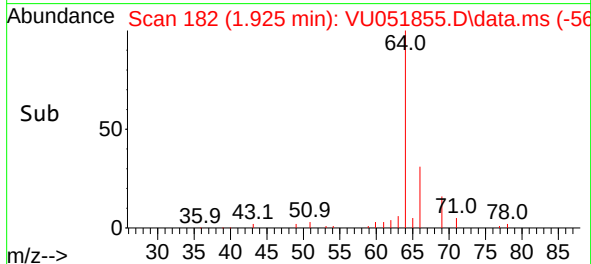
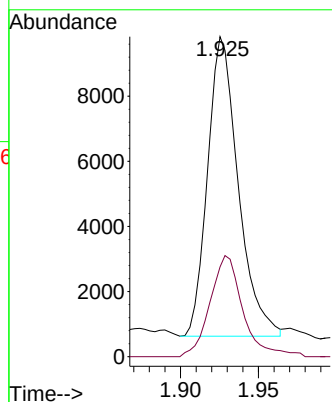
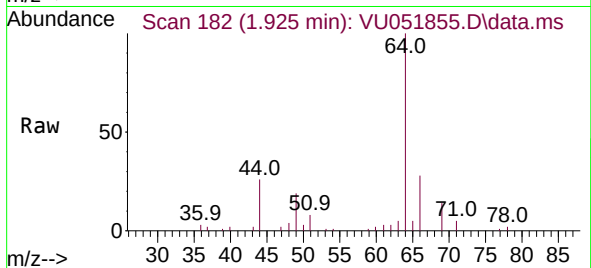




#8
Chloroethane
Concen: 4.442 ug/L
RT: 1.925 min Scan# 180
Delta R.T. 0.006 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

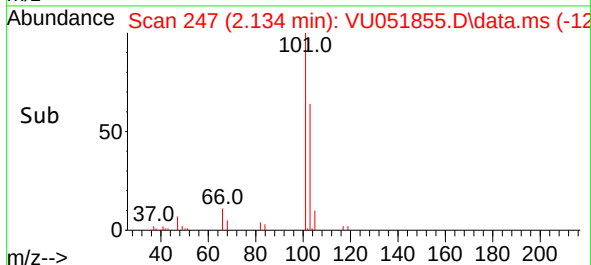
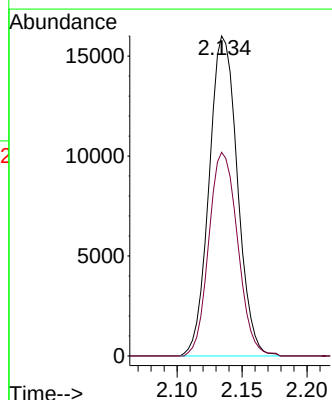
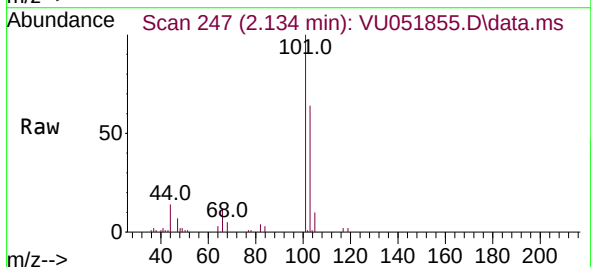
Instrument :
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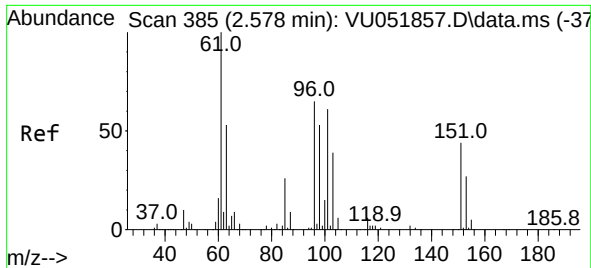
Tgt Ion: 64 Resp: 12591
Ion Ratio Lower Upper
64 100
66 28.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.450 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 101 Resp: 24266
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

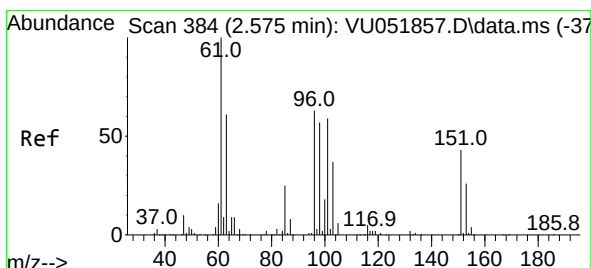
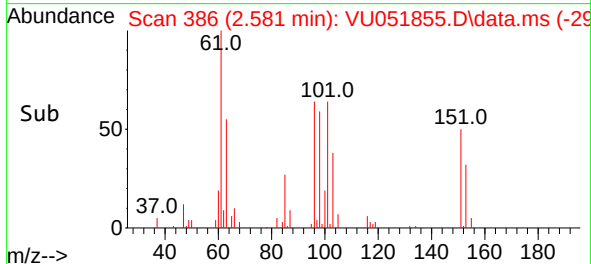
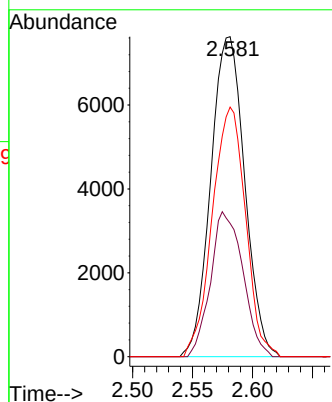
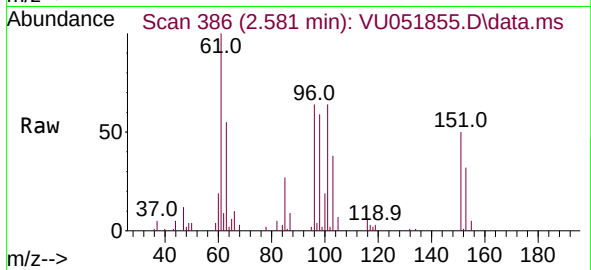




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.450 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

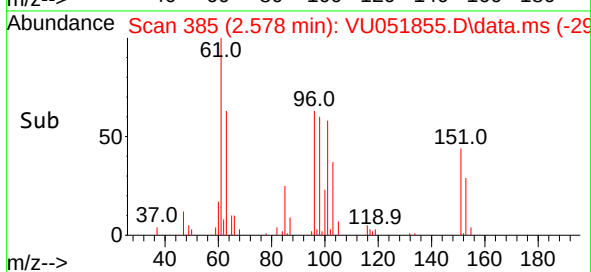
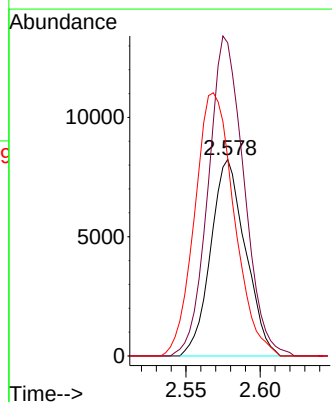
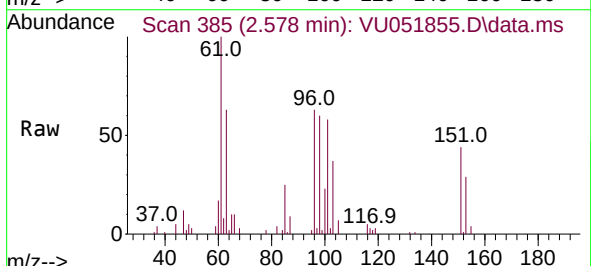
Instrument :
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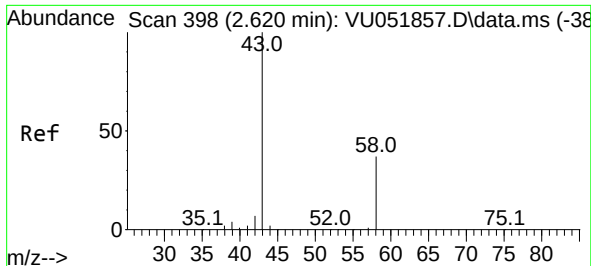
Tgt Ion:101 Resp: 14993
Ion Ratio Lower Upper
101 100
85 43.2 34.2 51.2
151 76.4 58.3 87.5



#12
1,1-Dichloroethene
Concen: 4.214 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 96 Resp: 13383
Ion Ratio Lower Upper
96 100
61 159.3 110.7 205.5
63 100.6 68.6 127.4





#13

Acetone

Concen: 11.520 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

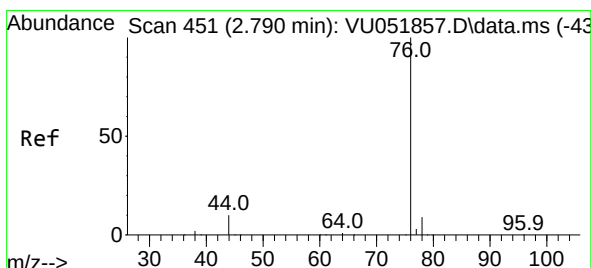
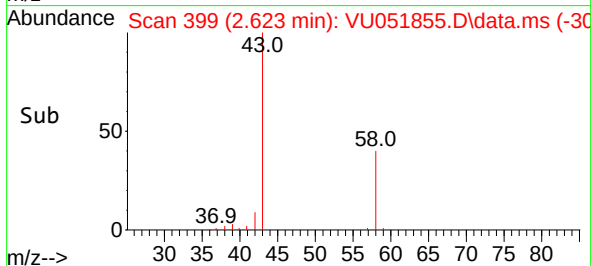
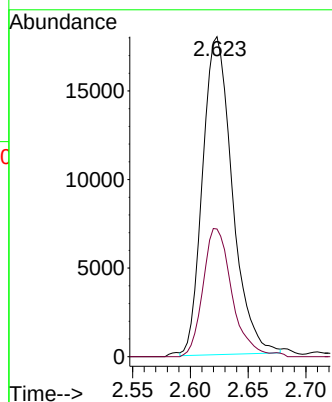
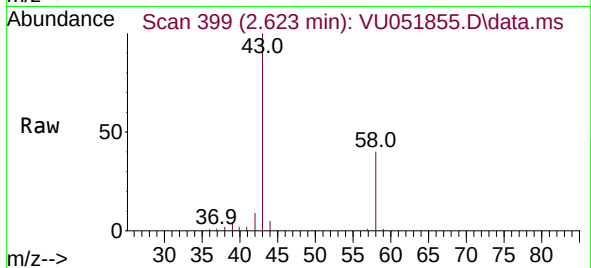
VSTD005049

Tgt Ion: 43 Resp: 32159

Ion Ratio Lower Upper

43 100

58 39.0 0.0 75.4



#14

Carbon disulfide

Concen: 3.717 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051855.D

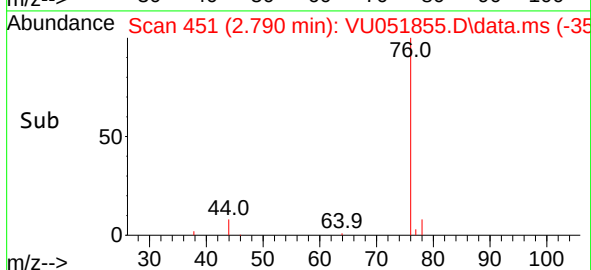
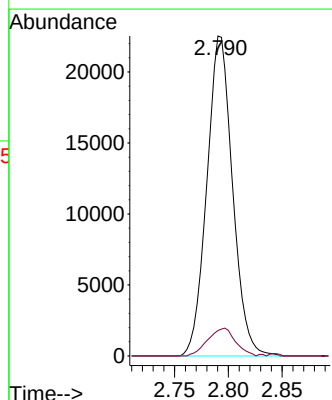
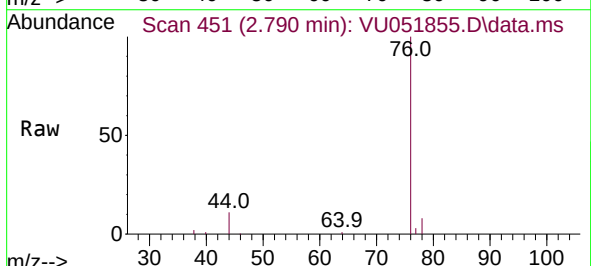
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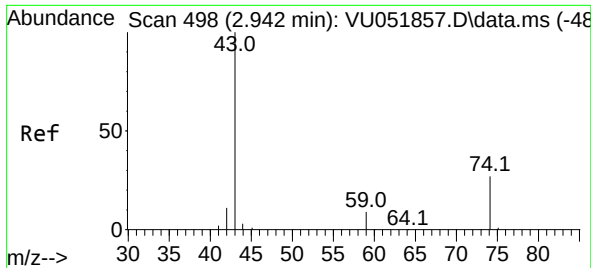
Tgt Ion: 76 Resp: 37474

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.0

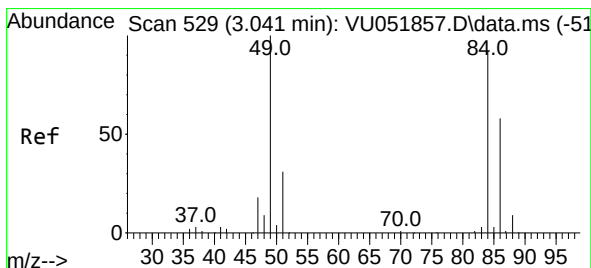
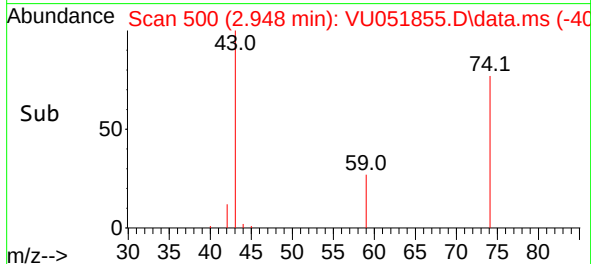
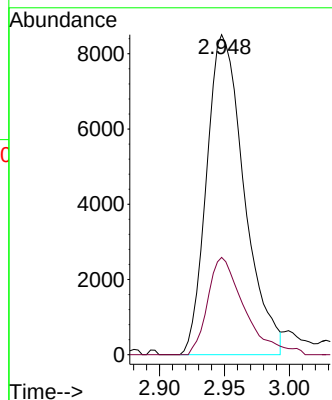
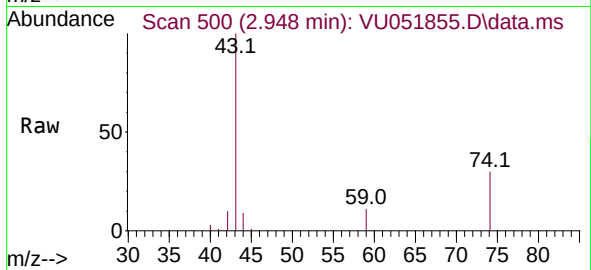




#15
Methyl Acetate
Concen: 4.138 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

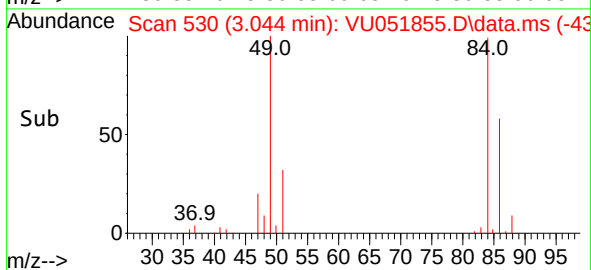
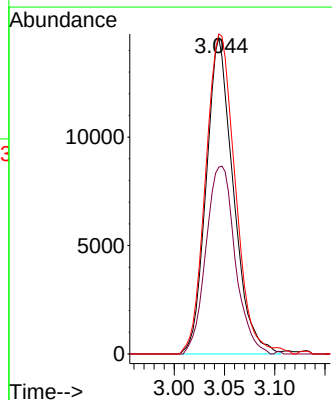
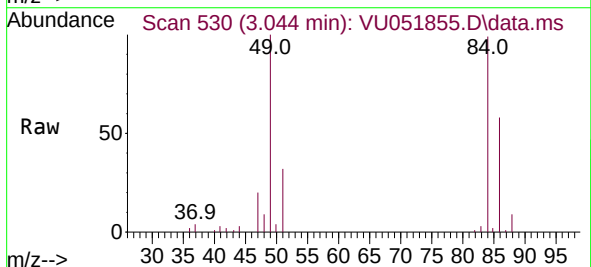
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ClientSampleId :
VSTD005049

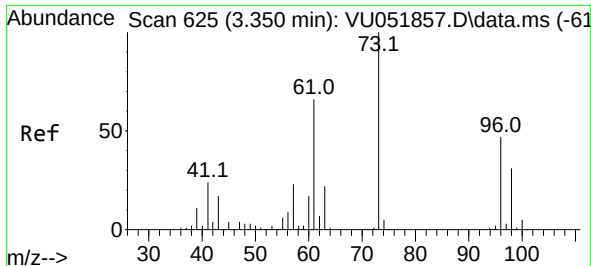
Tgt Ion: 43 Resp: 17137
Ion Ratio Lower Upper
43 100
74 29.2 21.8 32.8



#16
Methylene chloride
Concen: 6.479 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 84 Resp: 27397
Ion Ratio Lower Upper
84 100
86 59.0 44.7 82.9
49 101.1 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 4.470 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005049

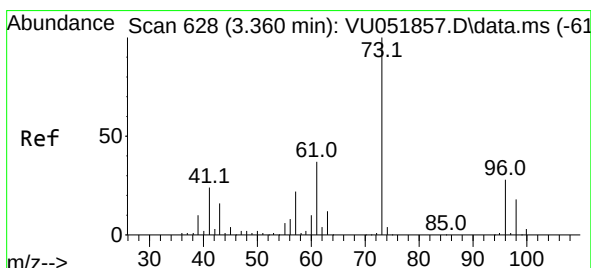
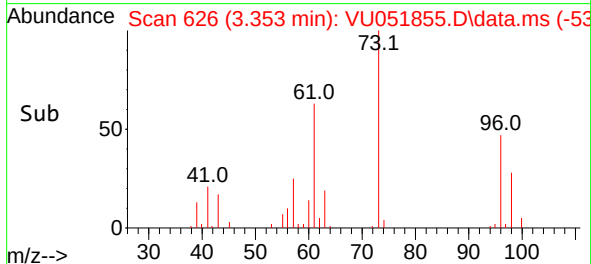
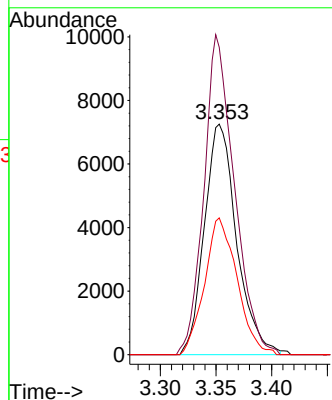
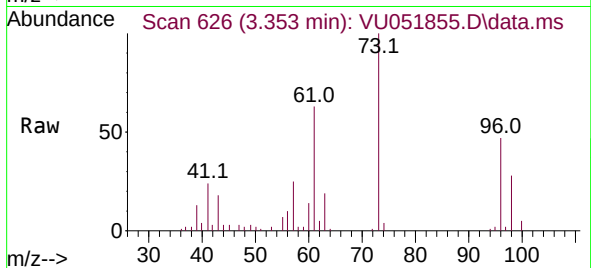
Tgt Ion: 96 Resp: 14617

Ion Ratio Lower Upper

96 100

61 133.3 98.3 182.7

98 59.3 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 4.144 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

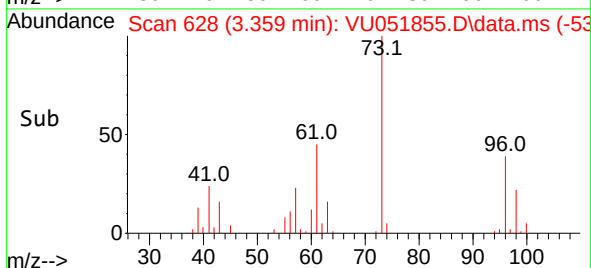
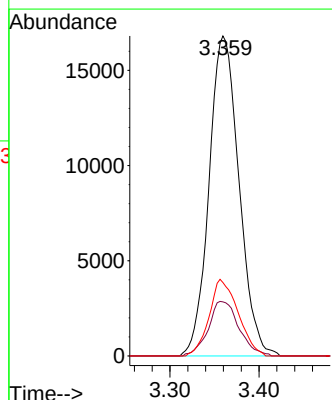
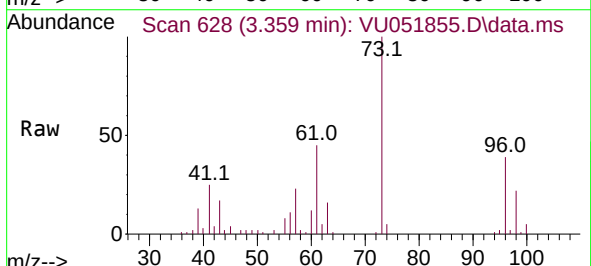
Tgt Ion: 73 Resp: 39333

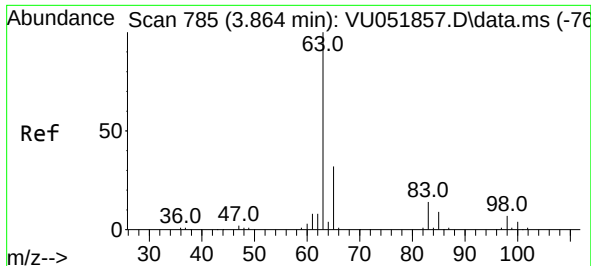
Ion Ratio Lower Upper

73 100

43 17.5 13.4 20.0

57 23.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 4.539 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005049

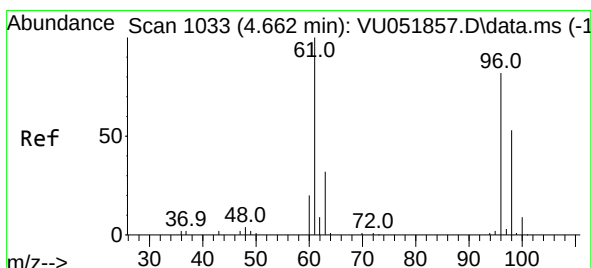
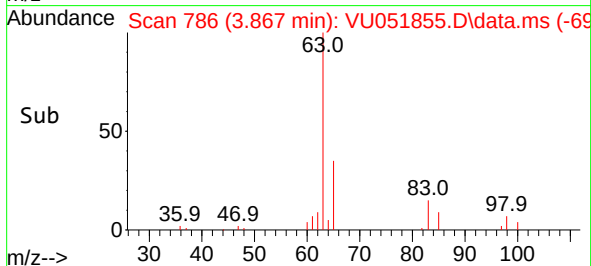
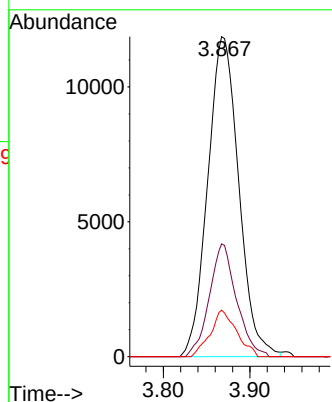
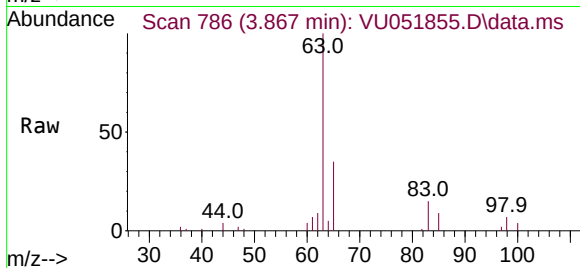
Tgt Ion: 63 Resp: 29511

Ion Ratio Lower Upper

63 100

65 35.2 22.2 41.2

83 14.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 4.254 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

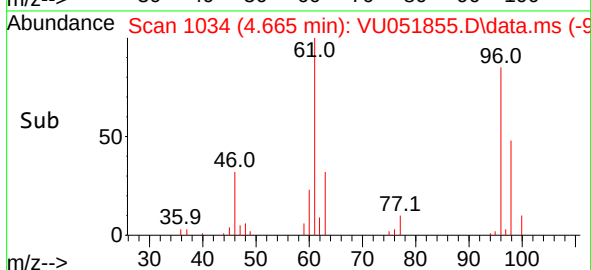
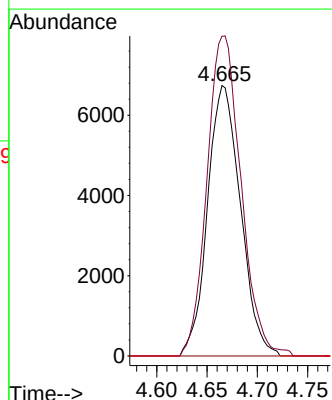
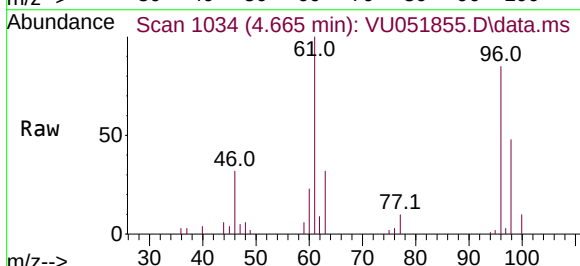
Tgt Ion: 96 Resp: 15385

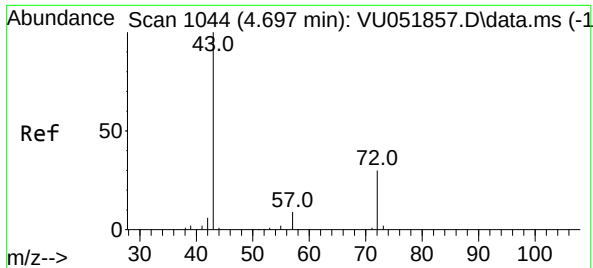
Ion Ratio Lower Upper

96 100

61 118.2 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.876 ug/L

RT: 4.707 min Scan# 110

Delta R.T. 0.009 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

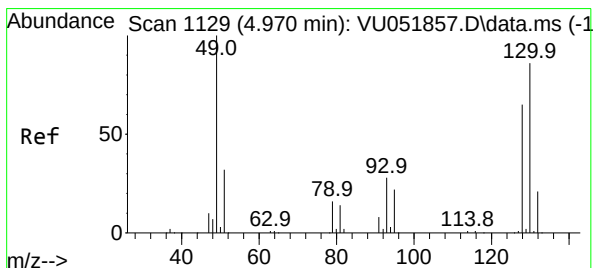
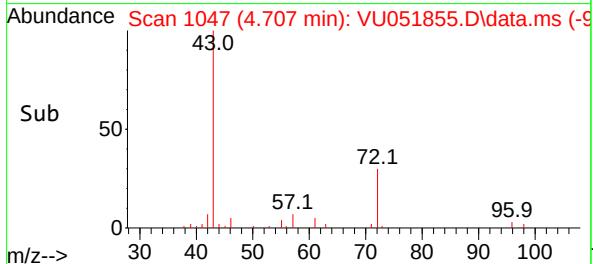
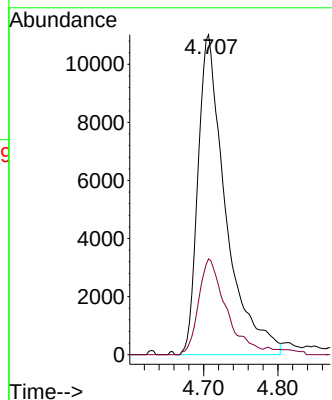
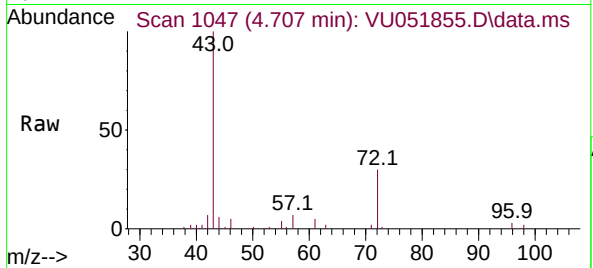
VSTD005049

Tgt Ion: 43 Resp: 28573

Ion Ratio Lower Upper

43 100

72 29.8 15.7 47.1



#23

Bromochloromethane

Concen: 4.432 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Tgt Ion: 128 Resp: 8999

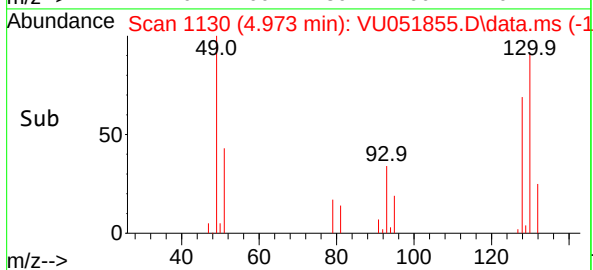
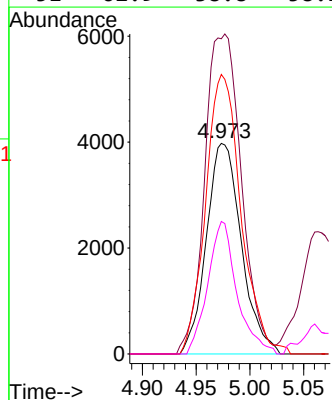
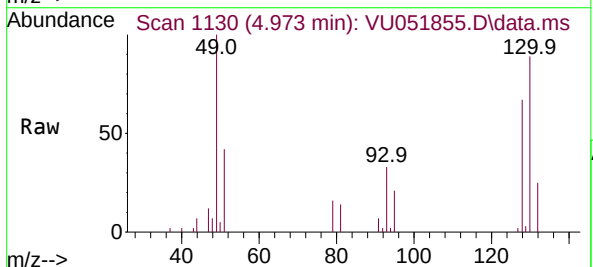
Ion Ratio Lower Upper

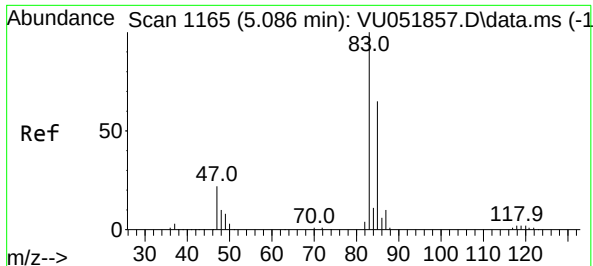
128 100

49 149.7 107.2 199.0

130 132.7 92.5 171.7

51 62.9 38.8 58.2#





#25

Chloroform

Concen: 4.537 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

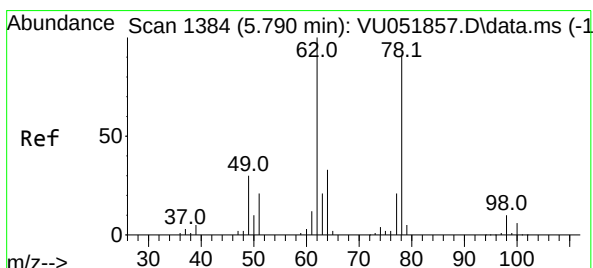
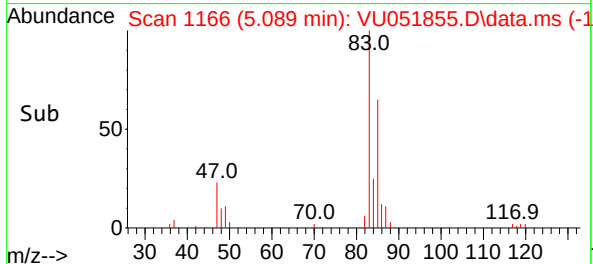
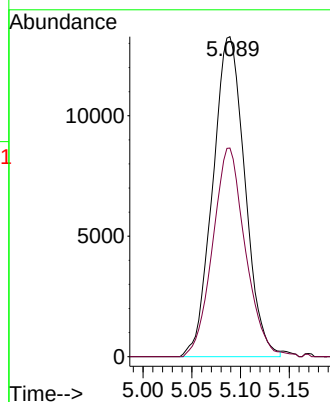
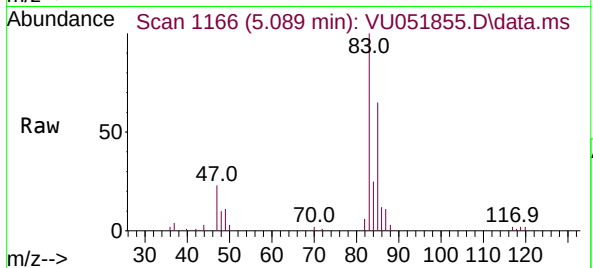
VSTD005049

Tgt Ion: 83 Resp: 30465

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.312 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051855.D

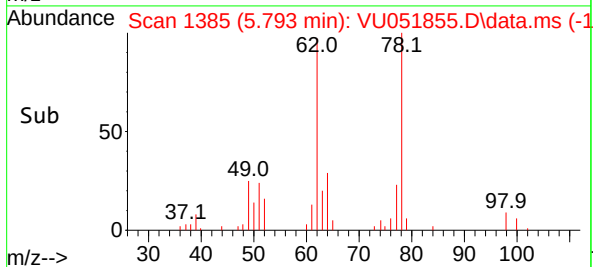
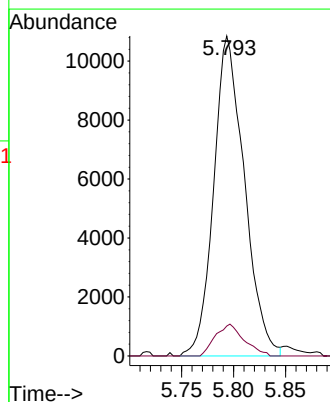
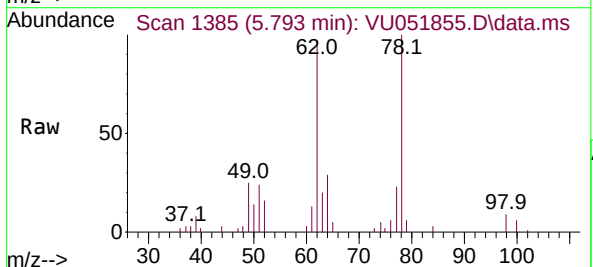
Acq: 15 Nov 2022 12:13

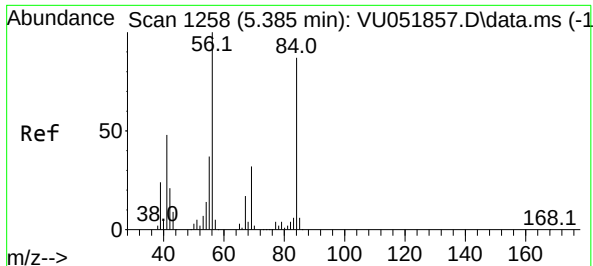
Tgt Ion: 62 Resp: 22278

Ion Ratio Lower Upper

62 100

98 9.4 8.1 12.1





#29

Cyclohexane

Concen: 3.357 ug/L

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005049

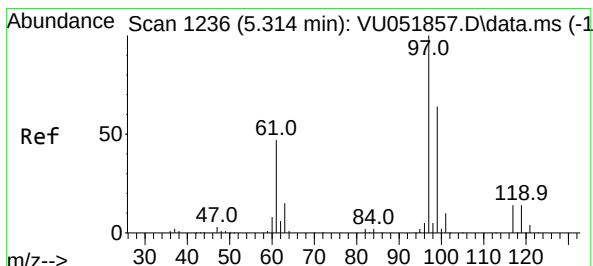
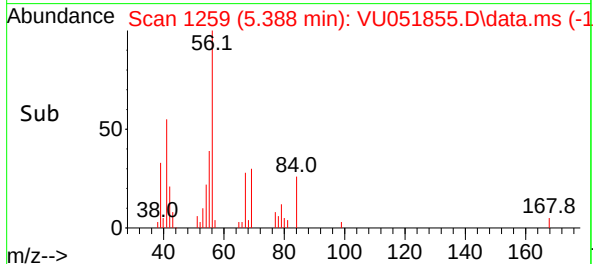
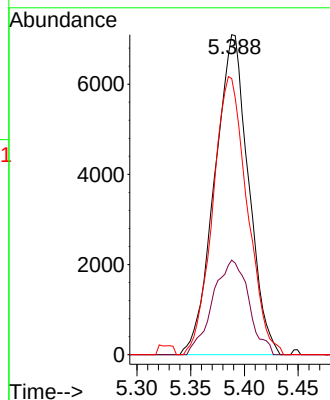
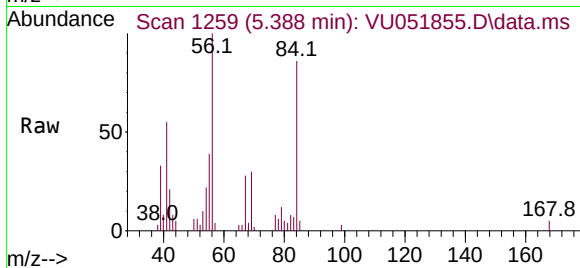
Tgt Ion: 56 Resp: 15507

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.2

84 88.2 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 4.297 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

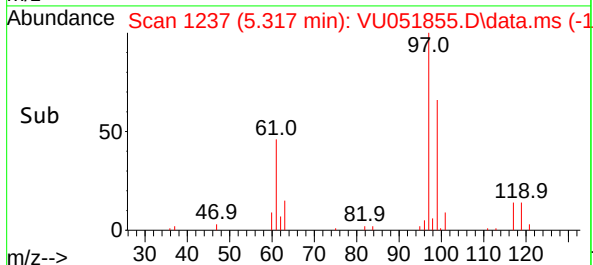
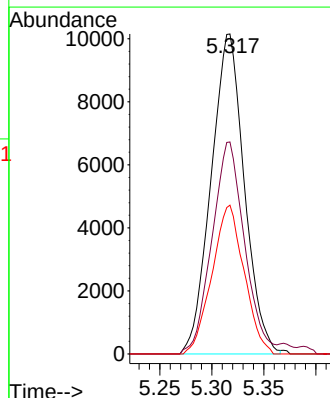
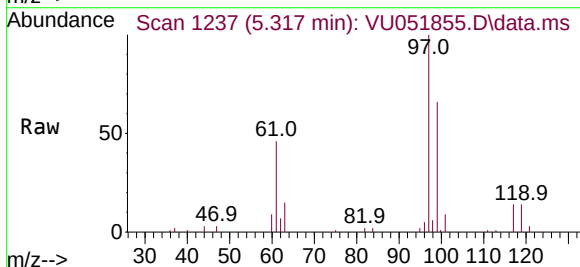
Tgt Ion: 97 Resp: 22587

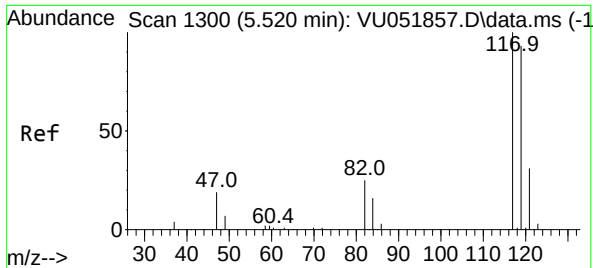
Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 44.9 37.4 56.2

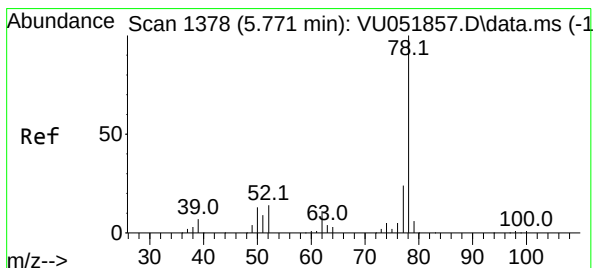
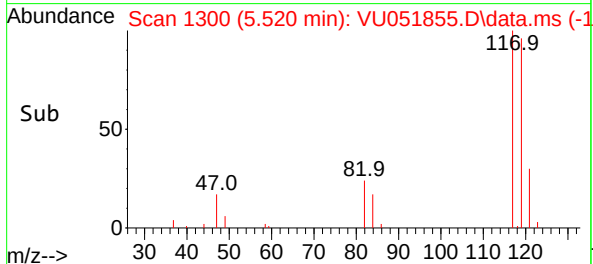
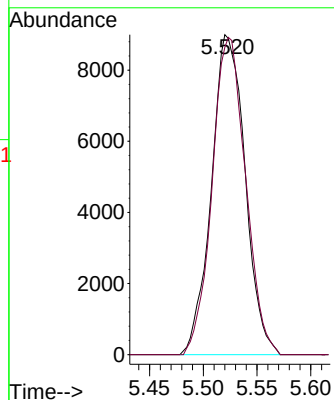
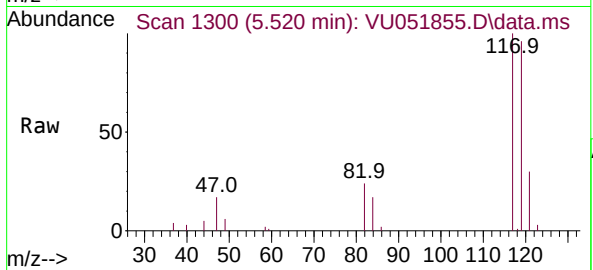




#31
Carbon tetrachloride
Concen: 4.405 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

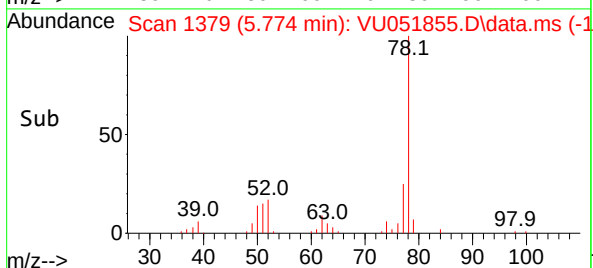
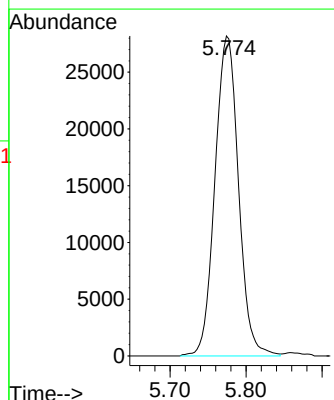
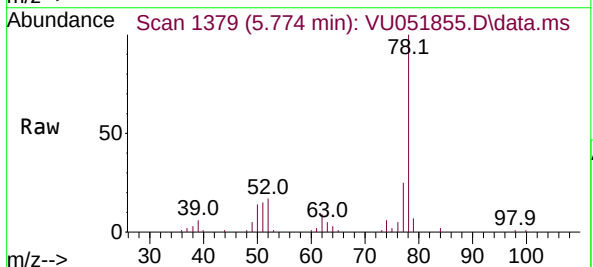
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

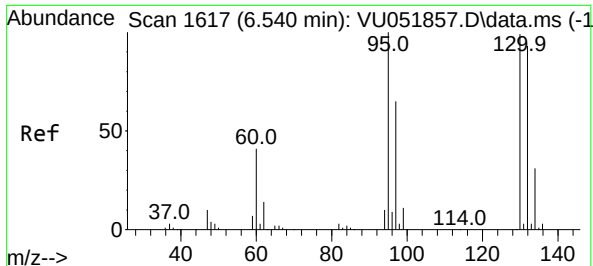
Tgt Ion:117 Resp: 19604
Ion Ratio Lower Upper
117 100
119 98.3 75.6 113.4



#33
Benzene
Concen: 4.166 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 78 Resp: 60594



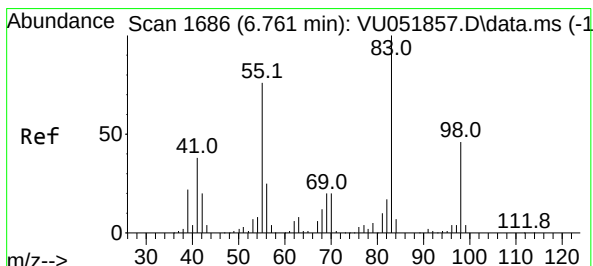
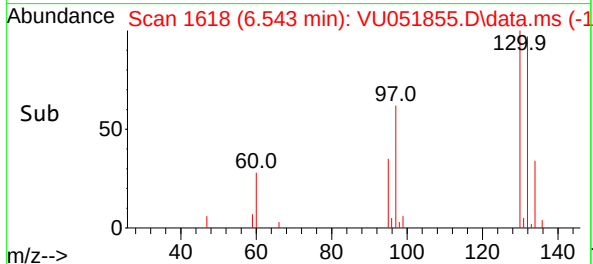
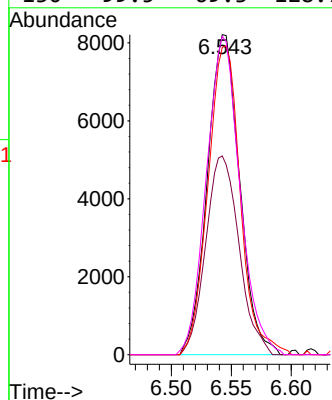
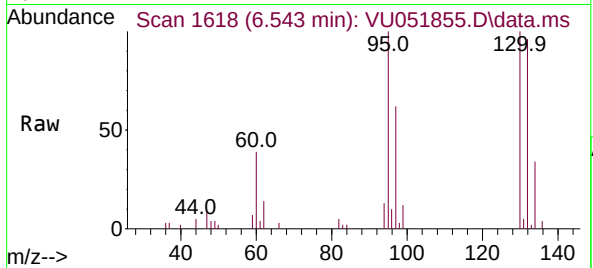


#34
Trichloroethene
Concen: 4.384 ug/L
RT: 6.543 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

Tgt Ion: 95 Resp: 15371

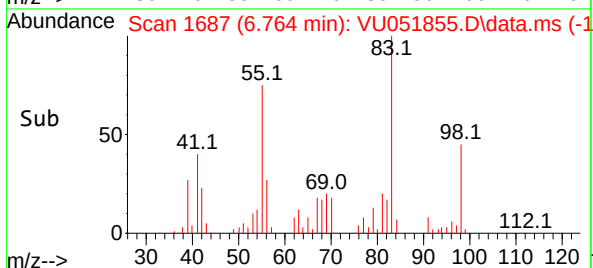
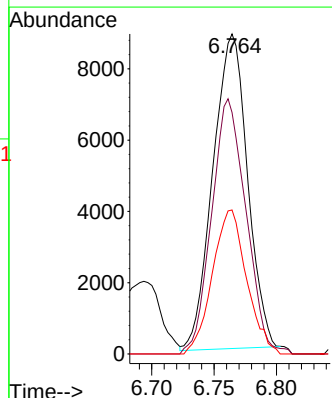
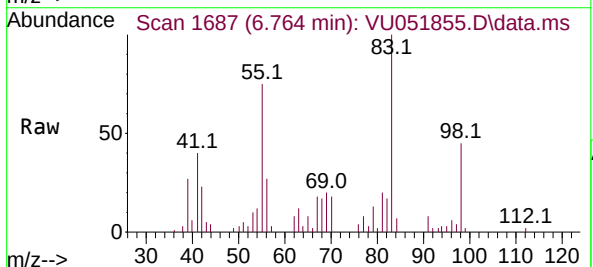
Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.8	85.0
132	96.1	65.3	121.3
130	99.5	69.3	128.7

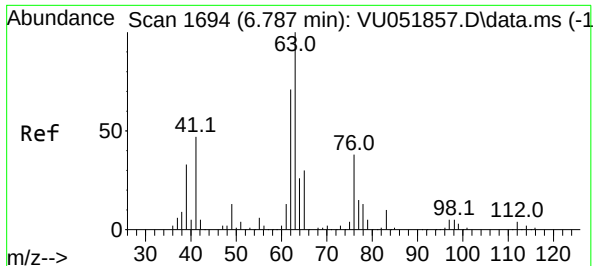


#35
Methylcyclohexane
Concen: 3.424 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 83 Resp: 17060

Ion	Ratio	Lower	Upper
83	100		
55	80.6	60.0	90.0
98	45.3	35.8	53.8

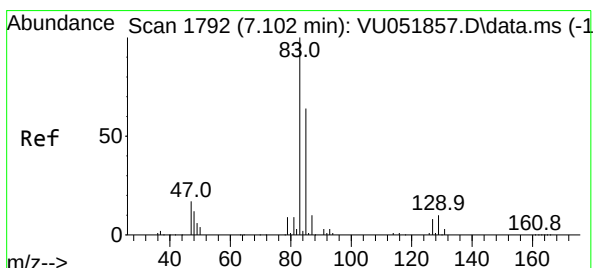
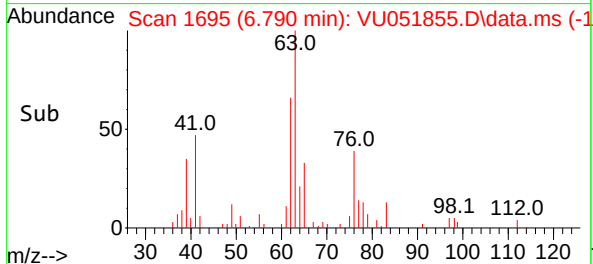
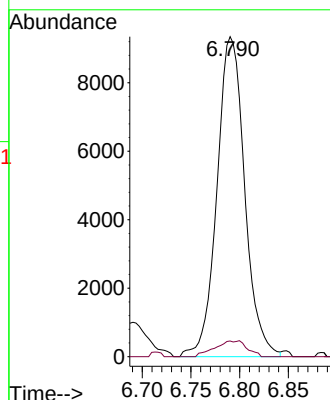
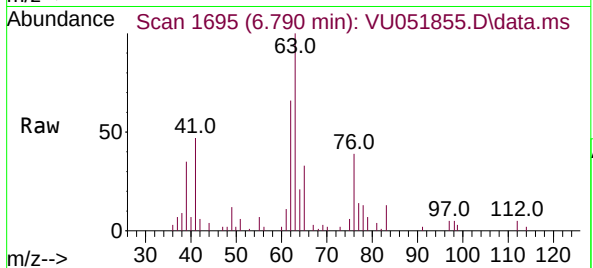




#37
1,2-Dichloropropane
Concen: 4.629 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

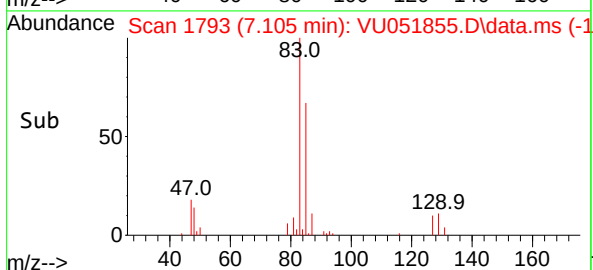
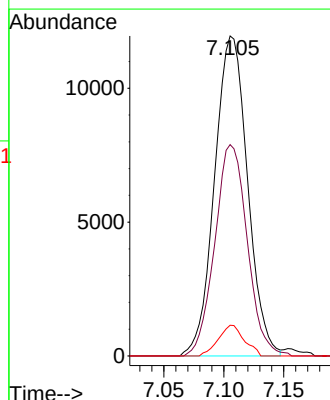
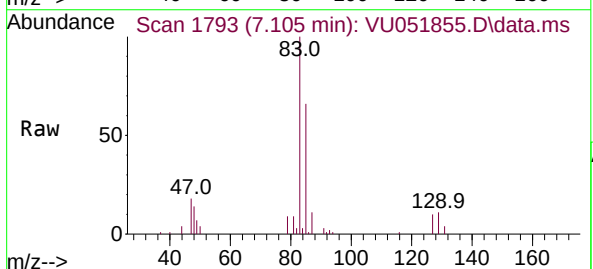
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

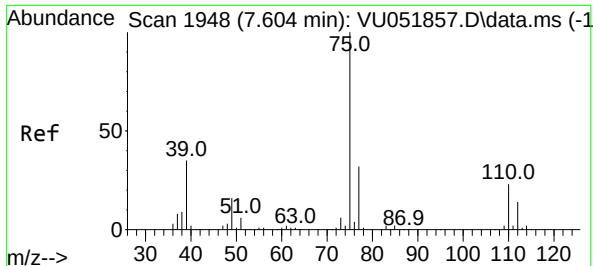
Tgt Ion: 63 Resp: 18526
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#38
Bromodichloromethane
Concen: 4.481 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 83 Resp: 22890
Ion Ratio Lower Upper
83 100
85 66.1 44.6 82.8
127 9.6 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 3.747 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

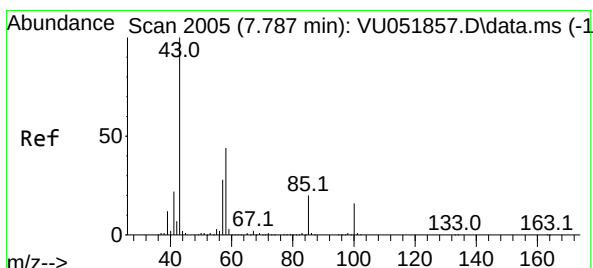
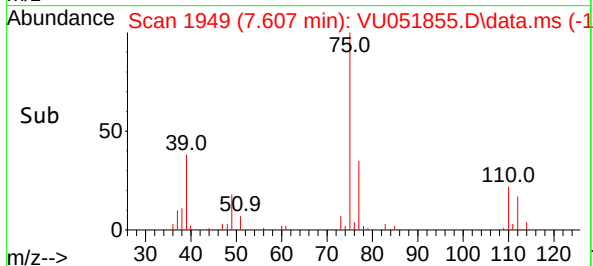
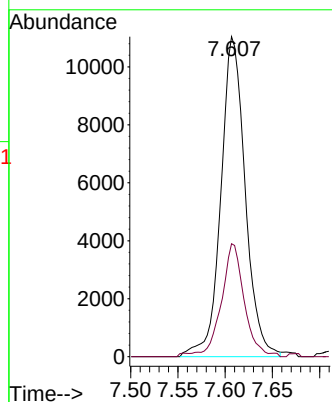
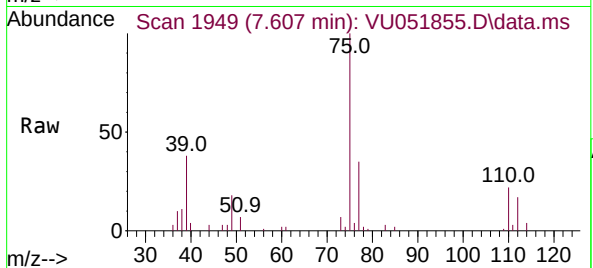
VSTD005049

Tgt Ion: 75 Resp: 19795

Ion Ratio Lower Upper

75 100

77 35.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 6.690 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

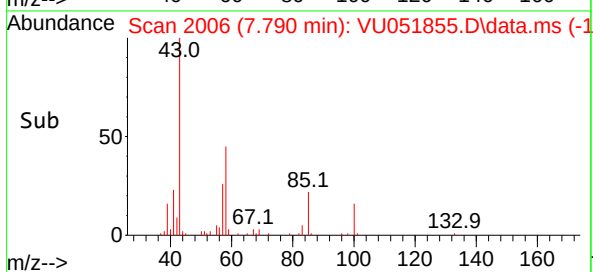
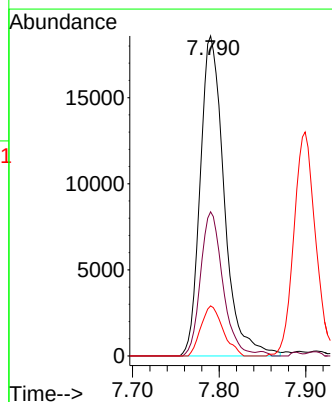
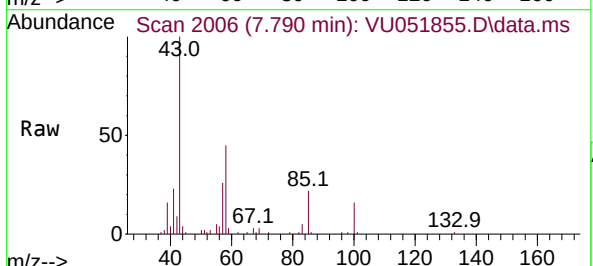
Tgt Ion: 43 Resp: 35729

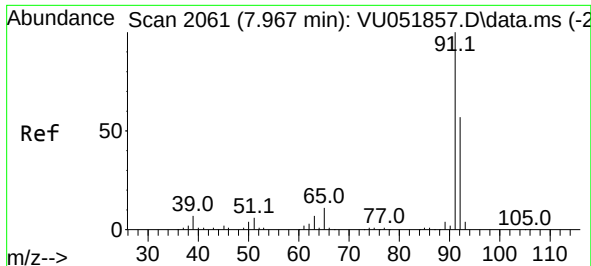
Ion Ratio Lower Upper

43 100

58 41.8 35.4 53.2

100 14.4 13.4 20.0





#42

Toluene

Concen: 3.726 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

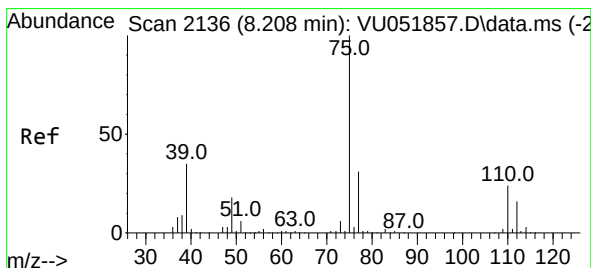
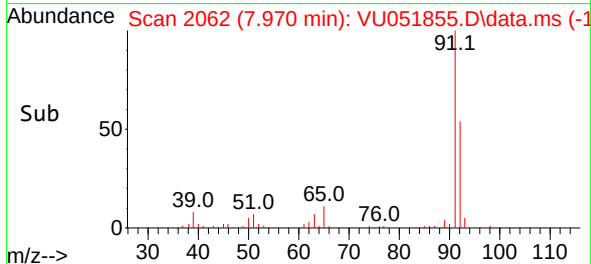
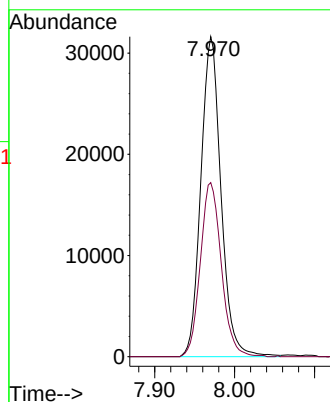
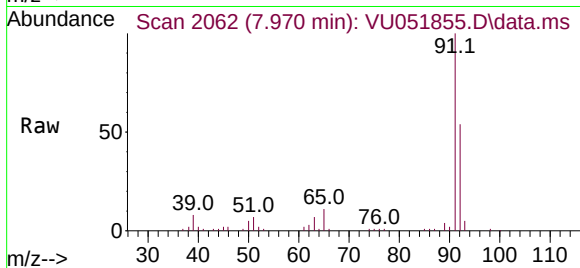
VSTD005049

Tgt Ion: 91 Resp: 55510

Ion Ratio Lower Upper

91 100

92 54.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 3.676 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051855.D

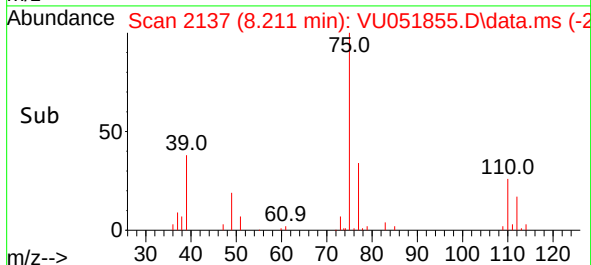
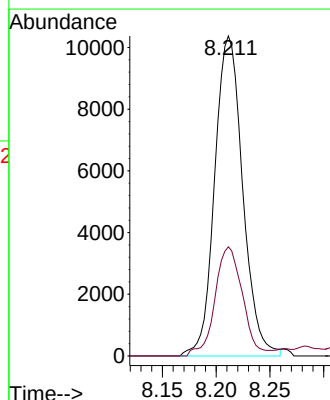
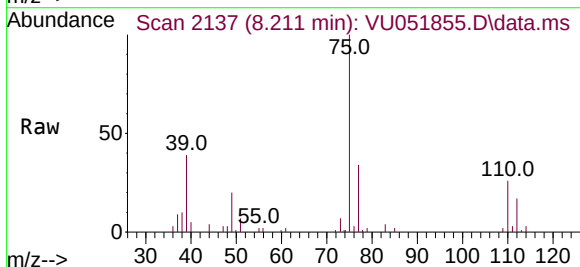
Acq: 15 Nov 2022 12:13

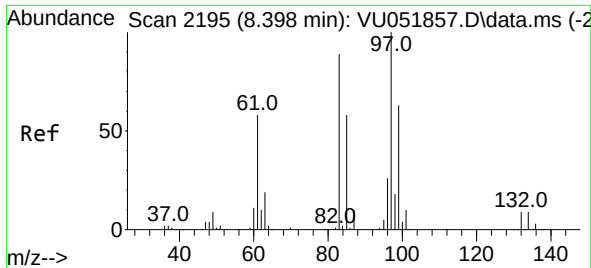
Tgt Ion: 75 Resp: 18817

Ion Ratio Lower Upper

75 100

77 34.1 21.8 40.6

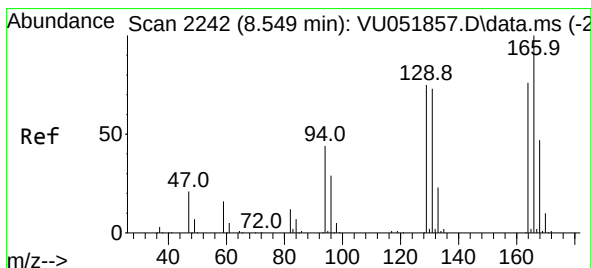
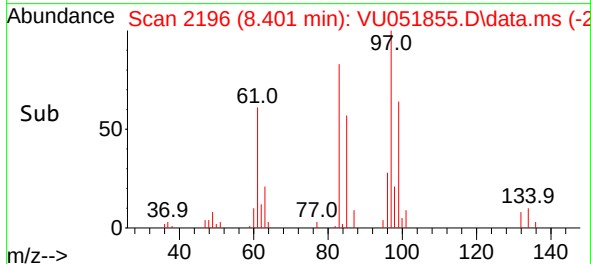
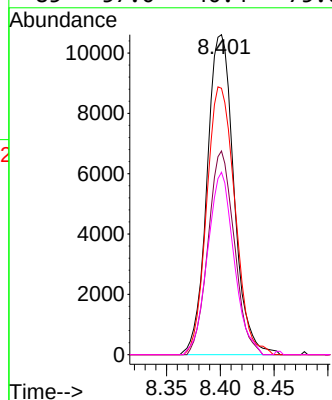
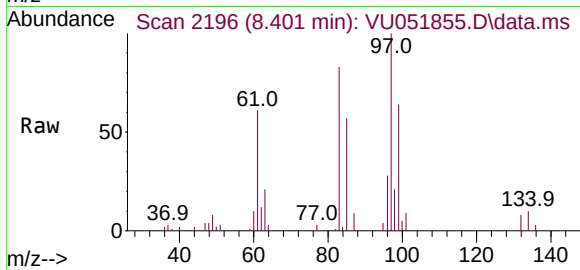




#45
1,1,2-Trichloroethane
Concen: 4.596 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

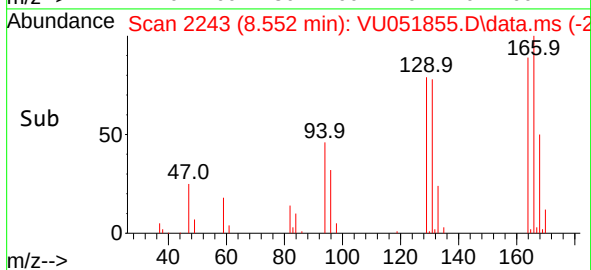
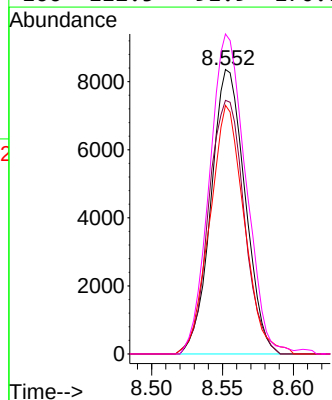
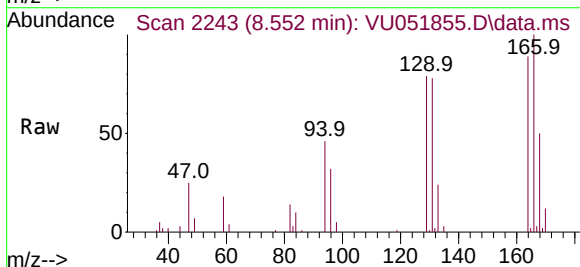
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

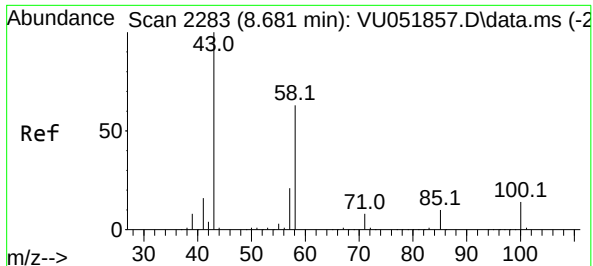
Tgt Ion:	97	Resp:	18440
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.3	82.3
83	83.3	62.3	115.7
85	57.0	40.4	75.0



#46
Tetrachloroethene
Concen: 5.336 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:	164	Resp:	13955
Ion	Ratio	Lower	Upper
164	100		
129	89.1	68.5	127.1
131	87.4	66.6	123.8
166	112.5	91.9	170.7

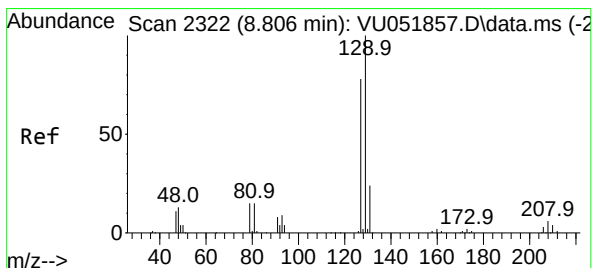
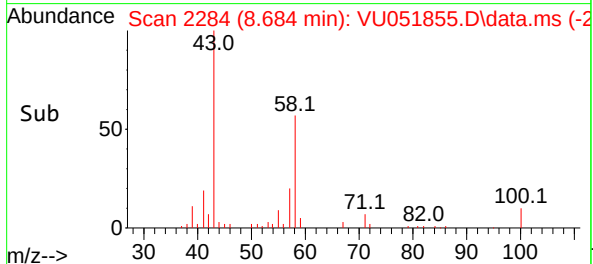
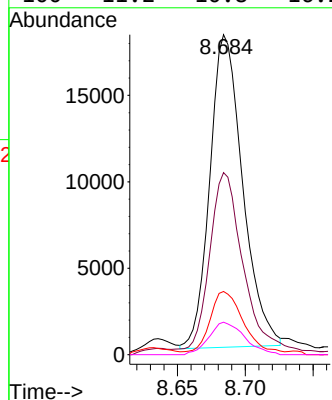
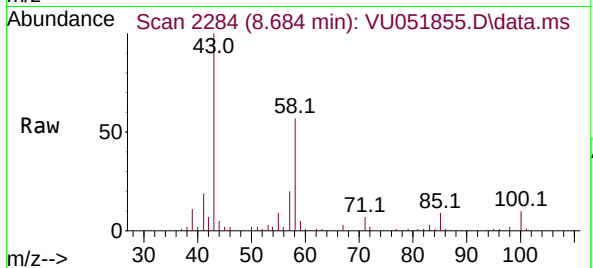




#48
2-Hexanone
Concen: 6.738 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

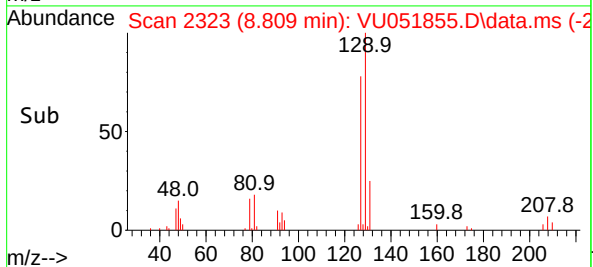
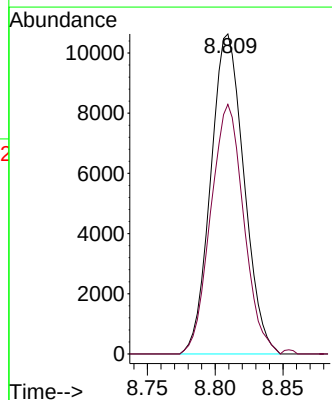
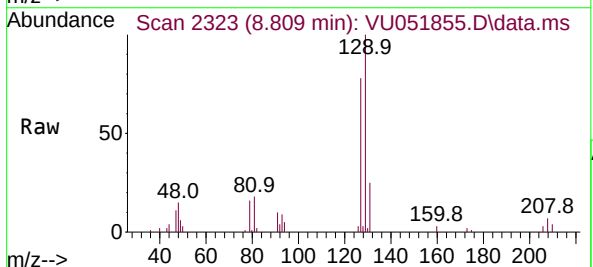
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

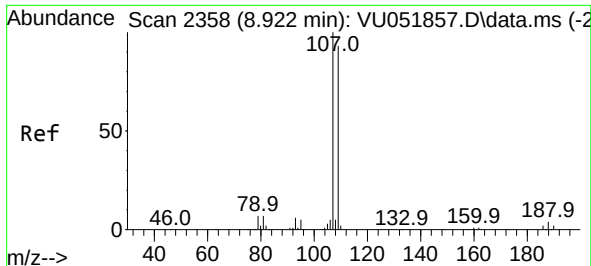
Tgt Ion:	43	Resp:	30480
Ion	Ratio	Lower	Upper
43	100		
58	61.4	50.6	76.0
57	21.1	16.8	25.2
100	11.2	10.8	16.2



#49
Dibromochloromethane
Concen: 4.401 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:	129	Resp:	18179
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.4	101.0





#50

1,2-Dibromoethane

Concen: 4.407 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005049

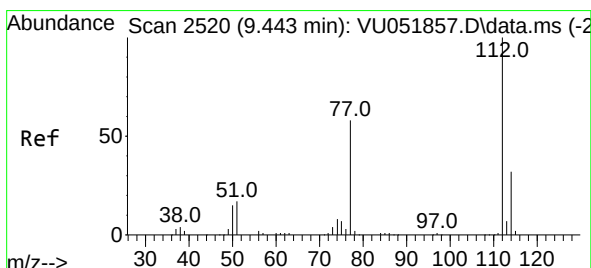
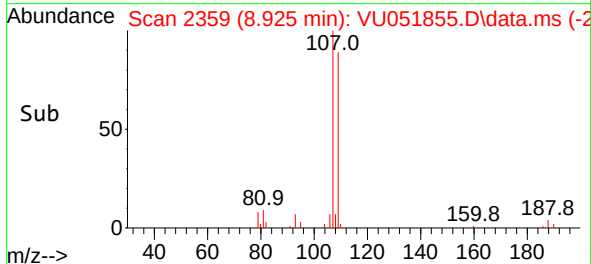
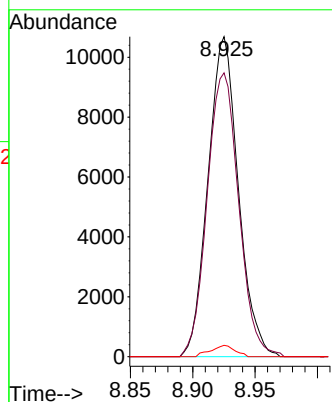
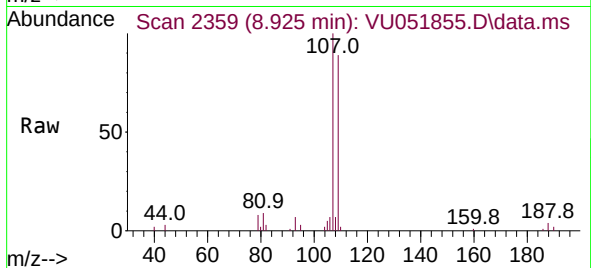
Tgt Ion:107 Resp: 18119

Ion Ratio Lower Upper

107 100

109 88.7 65.0 120.6

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 4.398 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

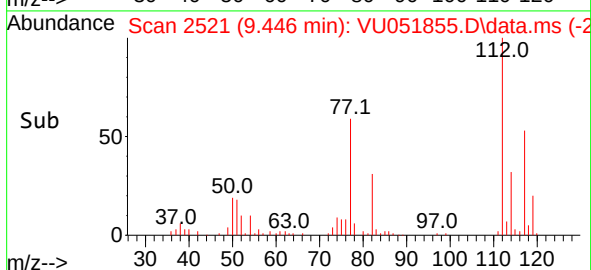
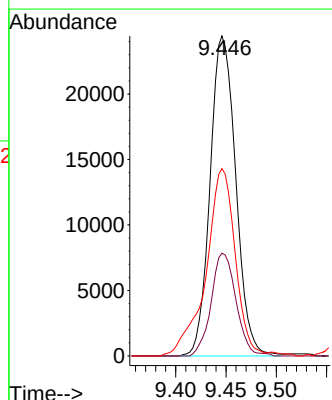
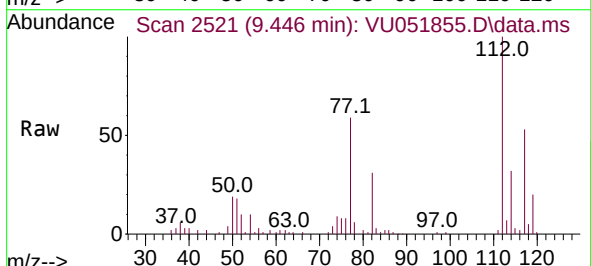
Tgt Ion:112 Resp: 43368

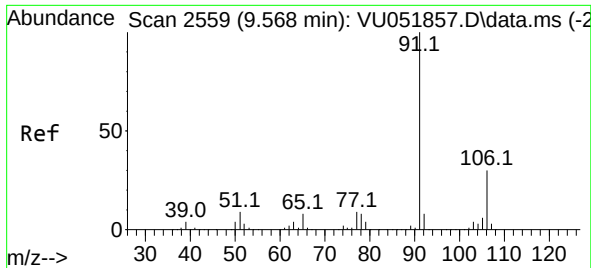
Ion Ratio Lower Upper

112 100

114 32.1 22.2 41.2

77 58.5 46.7 70.1

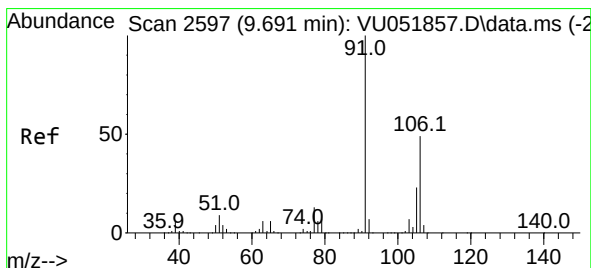
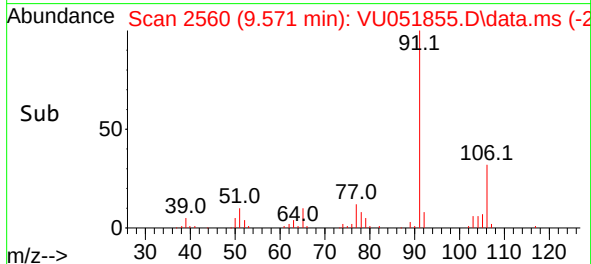
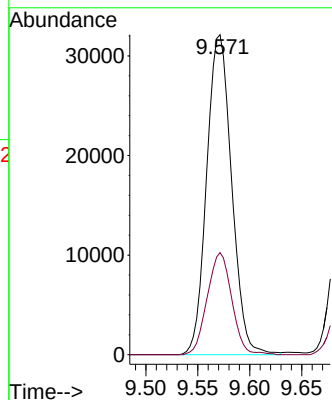
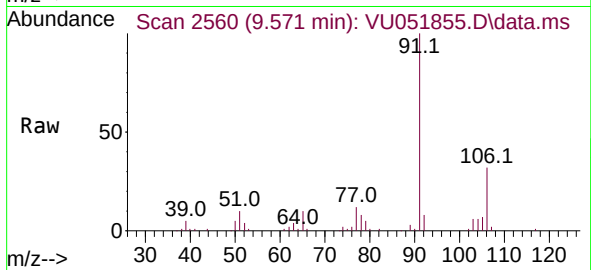




#52
Ethylbenzene
Concen: 3.556 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

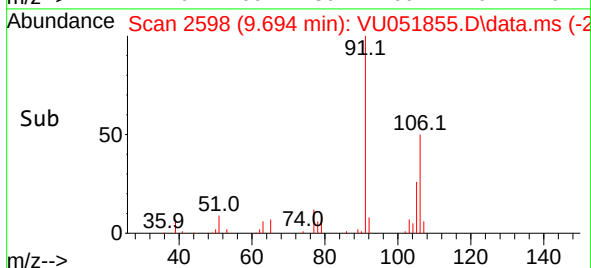
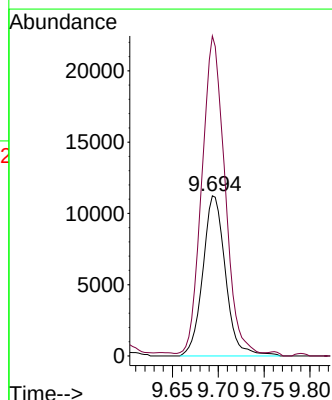
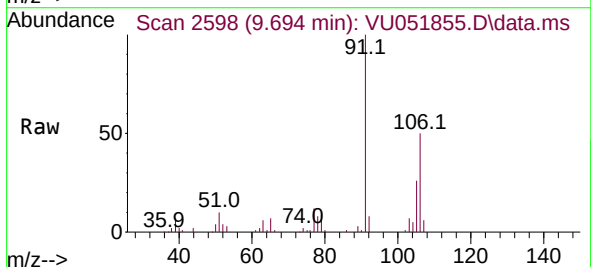
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

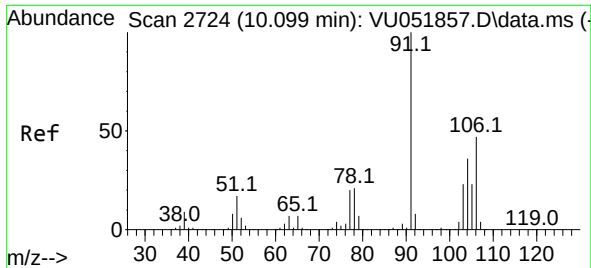
Tgt Ion: 91 Resp: 53751
Ion Ratio Lower Upper
91 100
106 31.9 21.3 39.6



#53
m,p-Xylene
Concen: 3.317 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 106 Resp: 19289
Ion Ratio Lower Upper
106 100
91 199.8 141.7 263.3

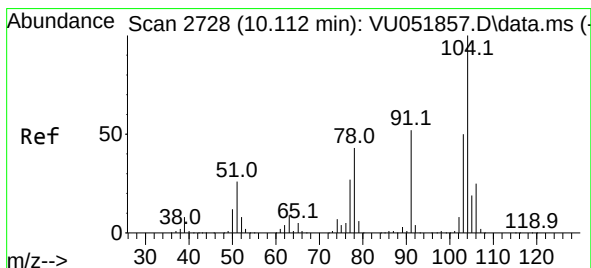
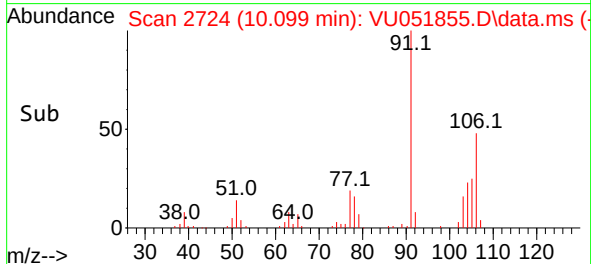
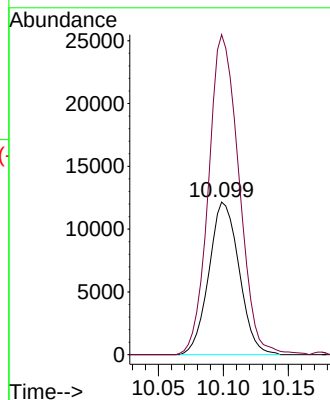
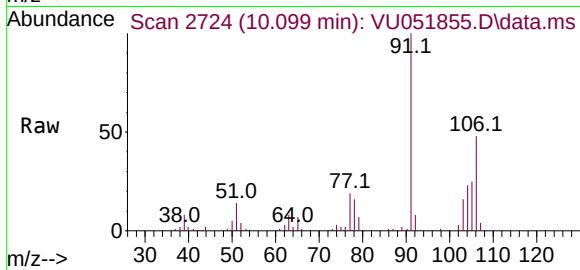




#54
o-Xylene
Concen: 3.392 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

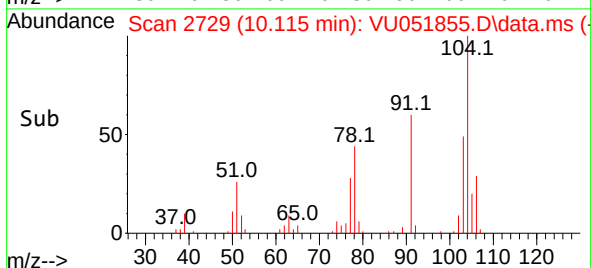
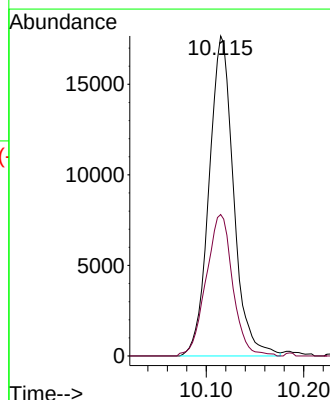
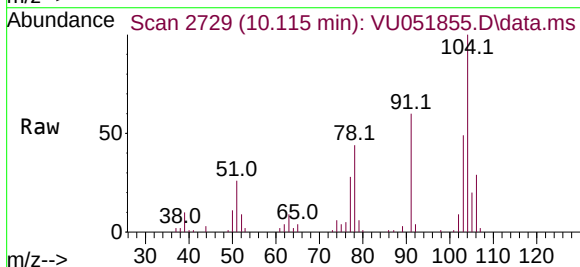
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

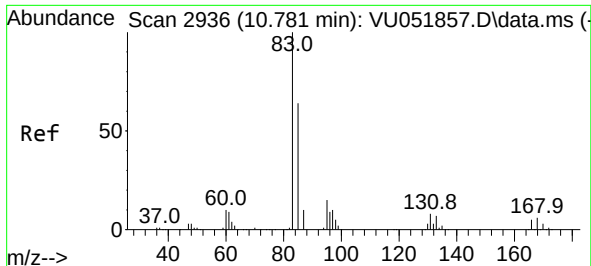
Tgt Ion:106 Resp: 19673
Ion Ratio Lower Upper
106 100
91 209.6 149.7 278.1



#55
Styrene
Concen: 3.080 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:104 Resp: 30961
Ion Ratio Lower Upper
104 100
78 44.2 30.3 56.3

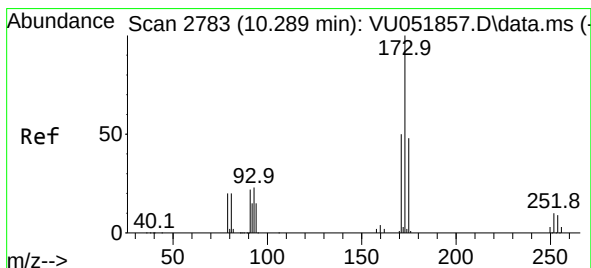
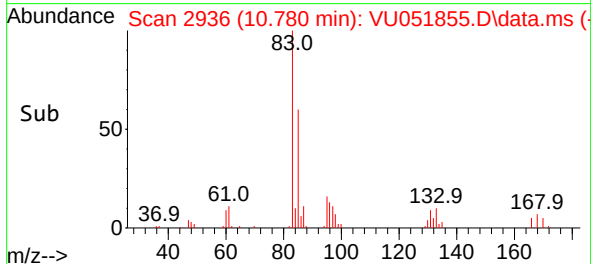
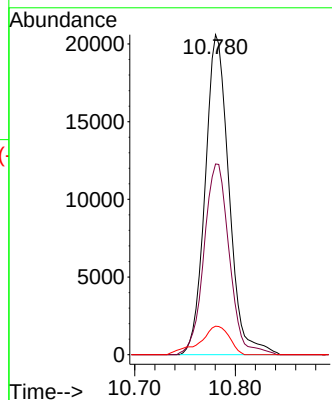
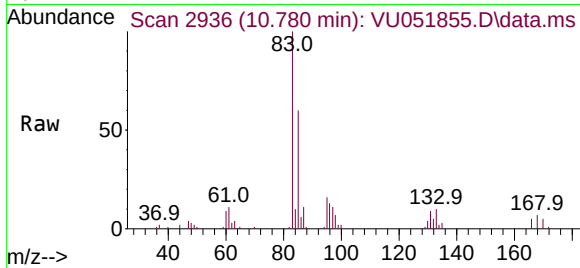




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.436 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VU051855.D
 Acq: 15 Nov 2022 12:13

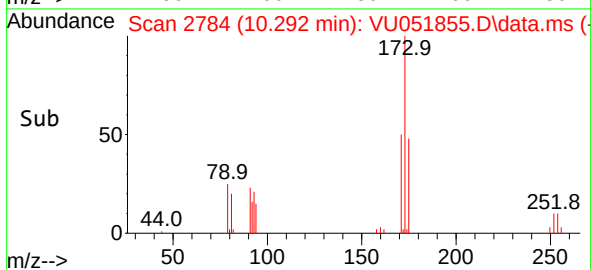
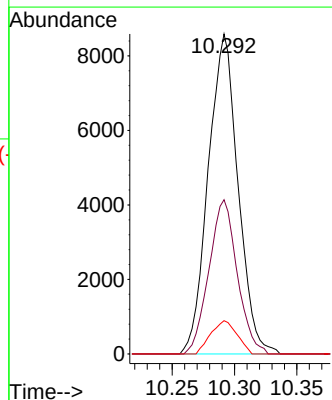
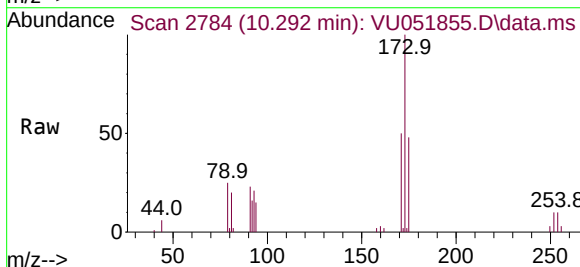
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005049

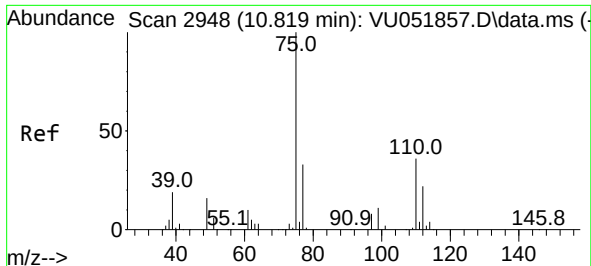
Tgt Ion: 83 Resp: 33890
 Ion Ratio Lower Upper
 83 100
 85 59.6 44.9 83.3
 131 8.9 6.8 10.2



#59
 Bromoform
 Concen: 5.326 ug/L
 RT: 10.292 min Scan# 2784
 Delta R.T. 0.003 min
 Lab File: VU051855.D
 Acq: 15 Nov 2022 12:13

Tgt Ion: 173 Resp: 14303
 Ion Ratio Lower Upper
 173 100
 175 45.7 38.9 58.3
 254 9.1 7.4 11.2

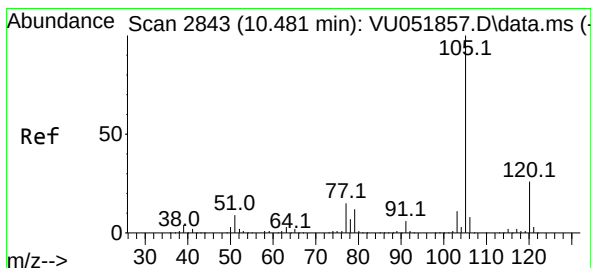
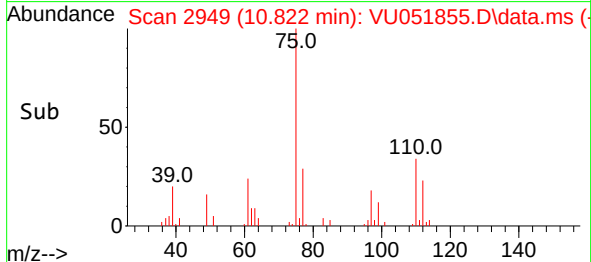
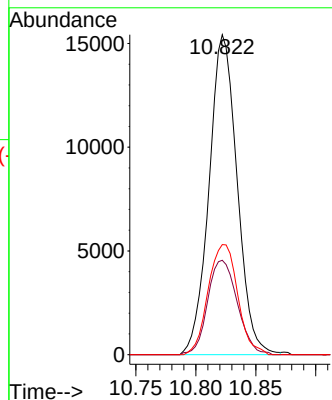
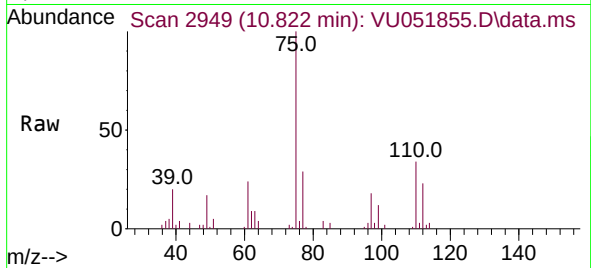




#60
1,2,3-Trichloropropane
Concen: 5.093 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

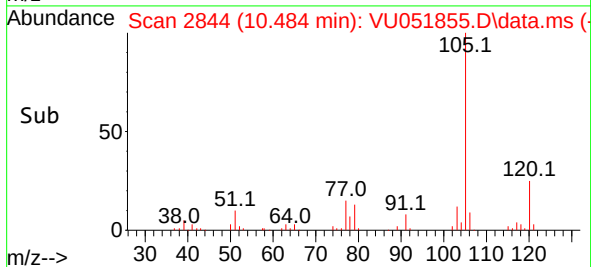
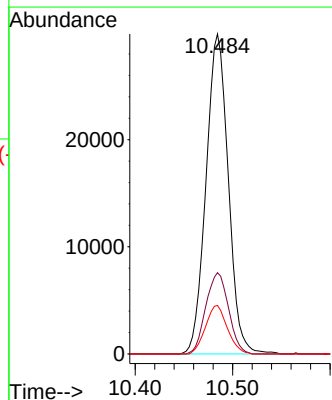
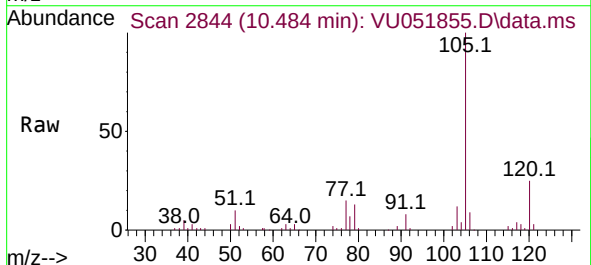
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

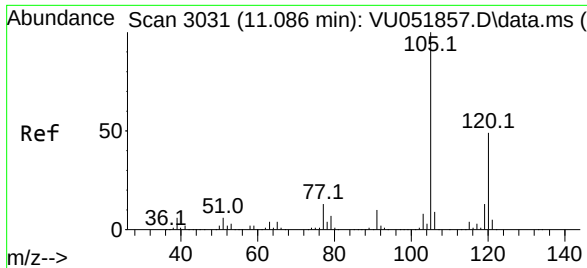
Tgt Ion: 75 Resp: 25106
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.4
110 36.2 29.0 43.4



#61
Isopropylbenzene
Concen: 3.943 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion: 105 Resp: 47372
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 14.9 12.2 18.4

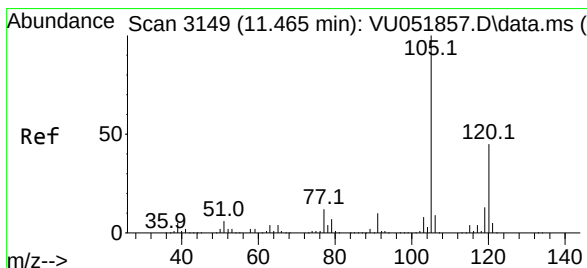
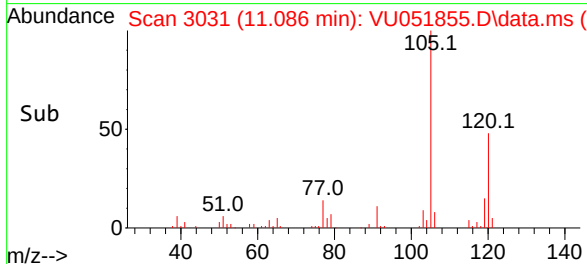
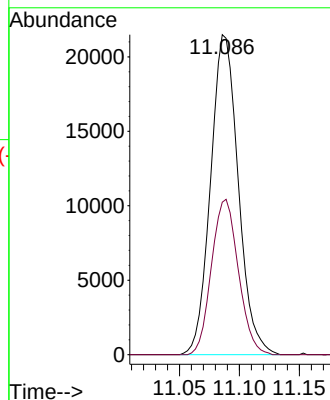
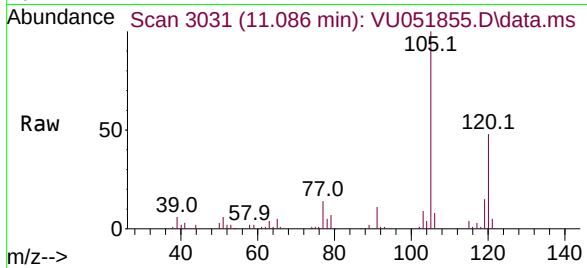




#62
1,3,5-Trimethylbenzene
Concen: 3.420 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

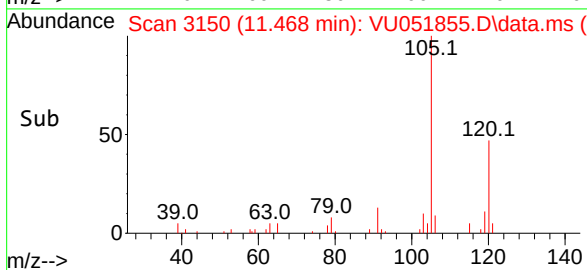
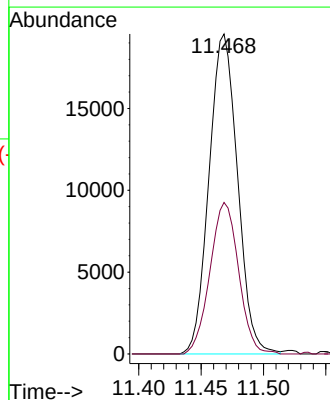
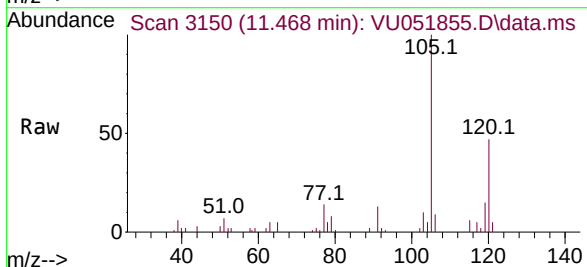
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

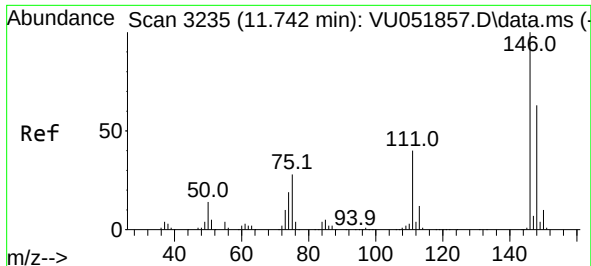
Tgt Ion:105 Resp: 34506
Ion Ratio Lower Upper
105 100
120 47.1 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 3.138 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:105 Resp: 31146
Ion Ratio Lower Upper
105 100
120 47.5 36.2 54.2

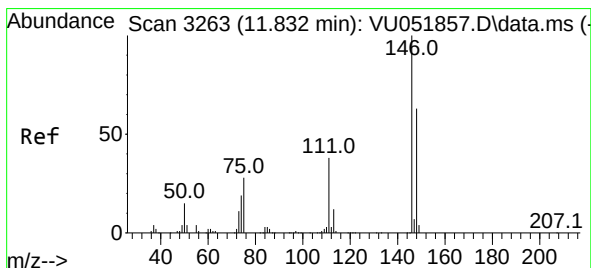
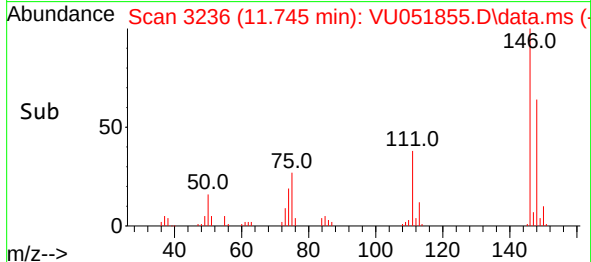
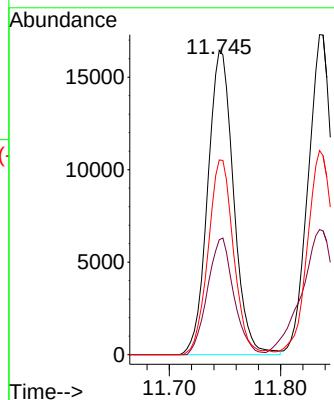
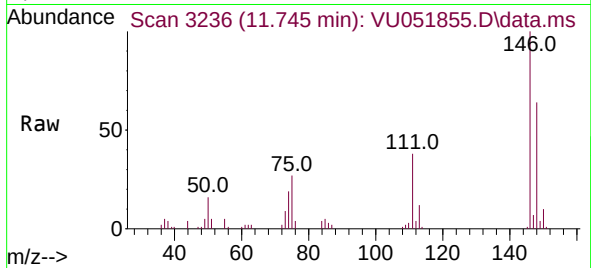




#64
1,3-Dichlorobenzene
Concen: 4.337 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

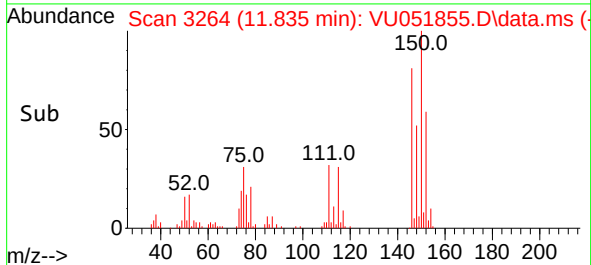
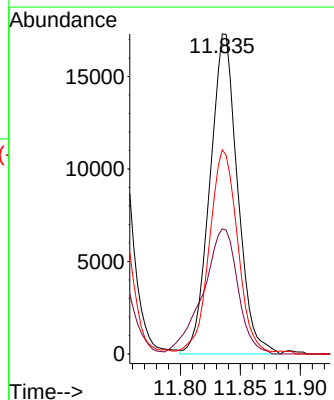
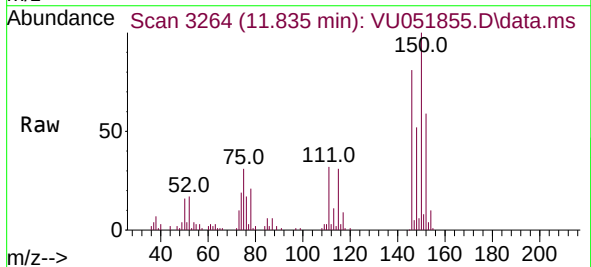
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

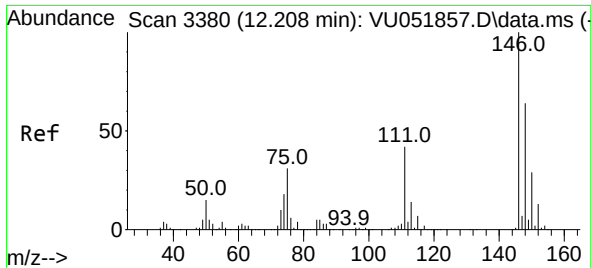
Tgt Ion:146 Resp: 26547
Ion Ratio Lower Upper
146 100
111 37.8 28.1 52.1
148 64.0 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.411 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:146 Resp: 27703
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.5
148 63.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.686 ug/L

RT: 12.211 min Scan# 3380

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005049

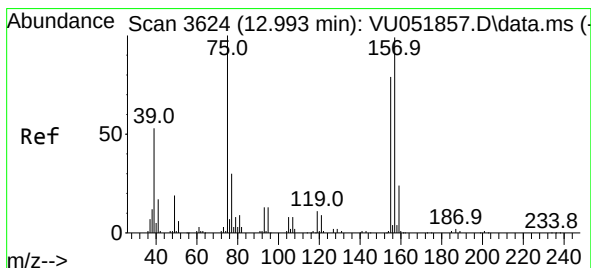
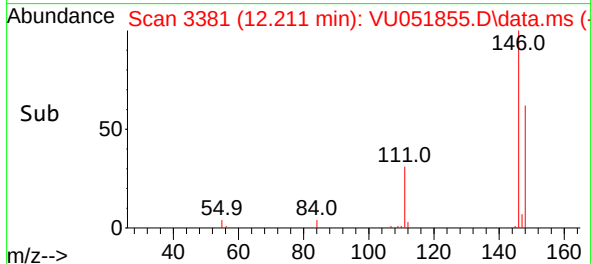
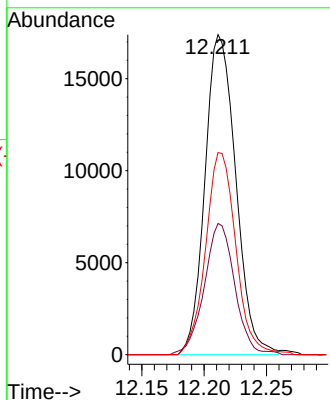
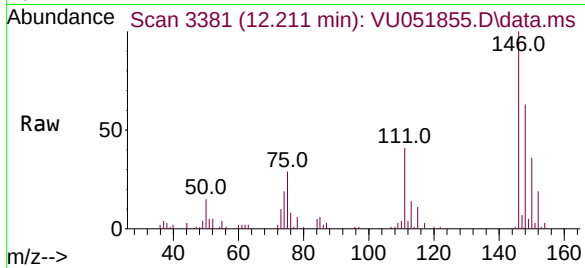
Tgt Ion:146 Resp: 29945

Ion Ratio Lower Upper

146 100

111 41.0 33.6 50.4

148 63.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.525 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051855.D

Acq: 15 Nov 2022 12:13

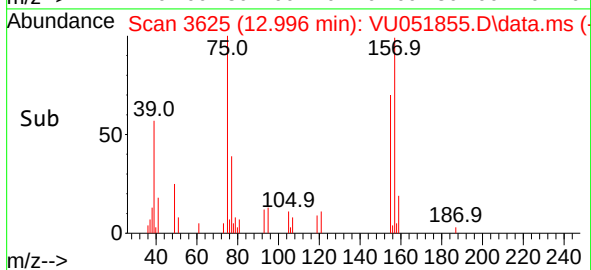
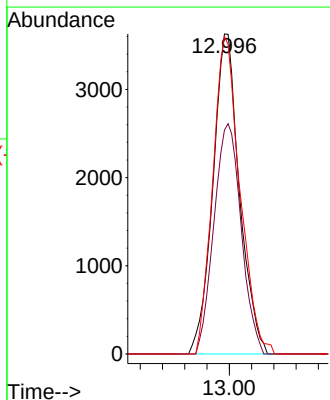
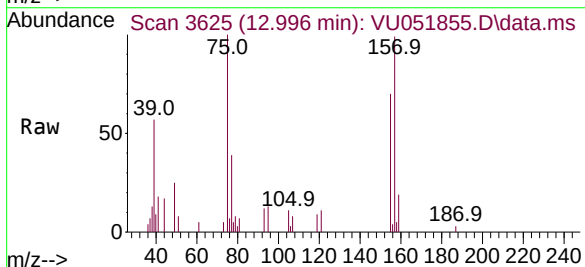
Tgt Ion: 75 Resp: 6003

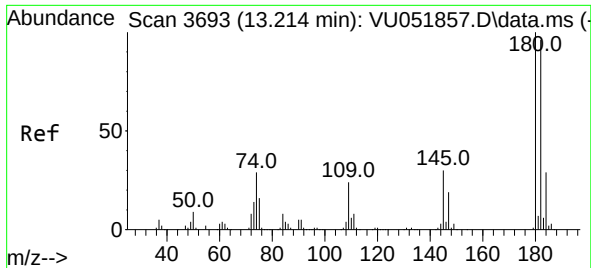
Ion Ratio Lower Upper

75 100

155 69.9 63.0 94.6

157 99.3 79.4 119.0

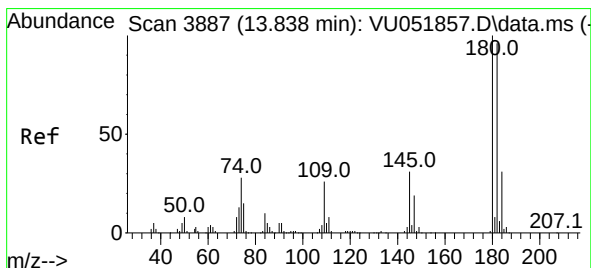
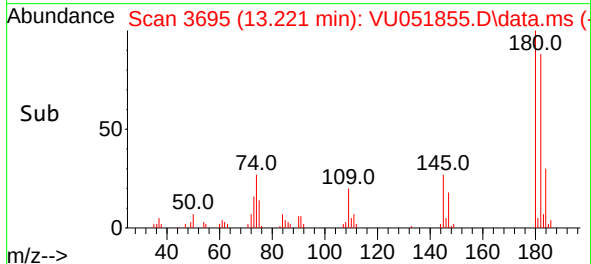
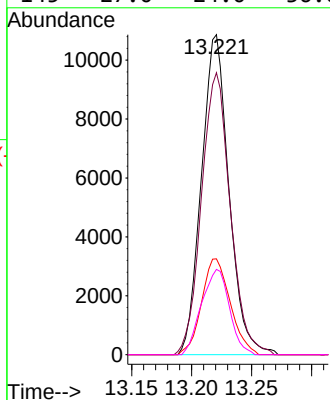
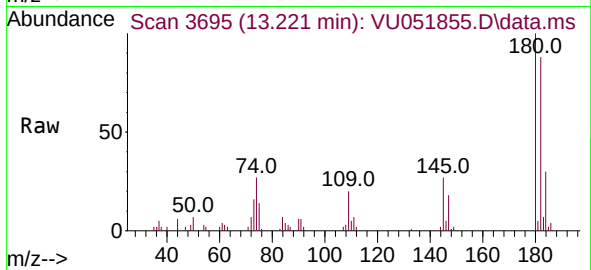




#69
1,3,5-Trichlorobenzene
Concen: 4.221 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.006 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

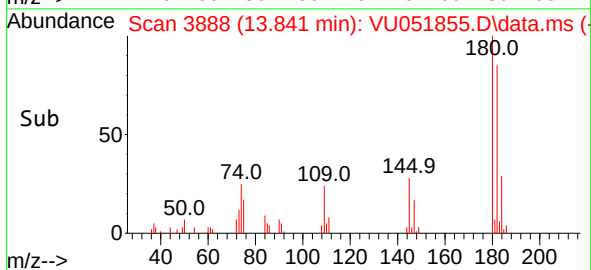
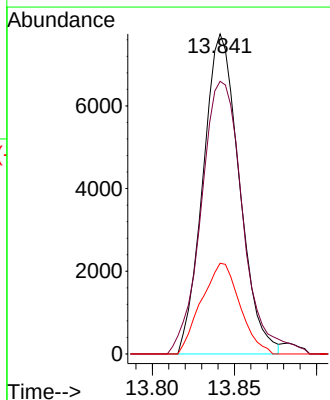
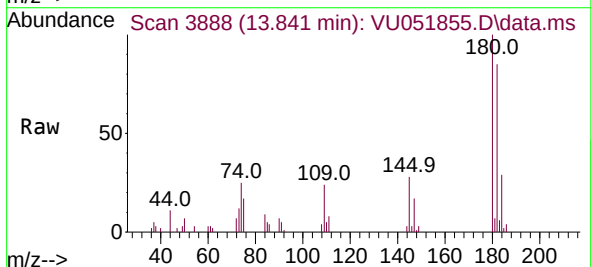
Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

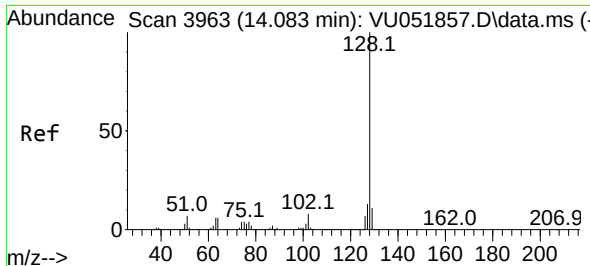
Tgt Ion:180	Resp:	17345
Ion Ratio	Lower	Upper
180	100	
182	92.0	77.0 115.4
184	31.2	23.8 35.8
145	27.0	24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 3.747 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:180	Resp:	11893
Ion Ratio	Lower	Upper
180	100	
182	97.1	76.4 114.6
145	30.0	24.2 36.2

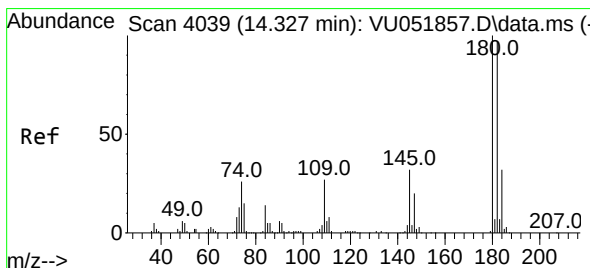
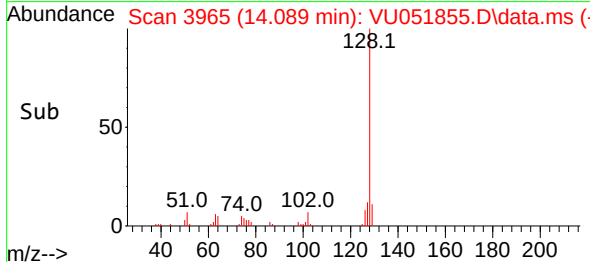
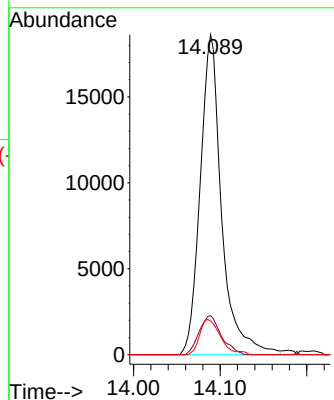
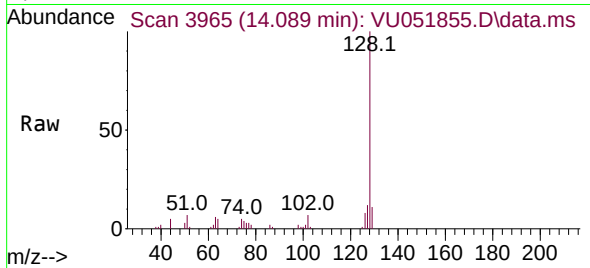




#71
Naphthalene
Concen: 3.118 ug/L
RT: 14.089 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005049

Tgt Ion:	128	Resp:	31966
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.3	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 3.836 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051855.D
Acq: 15 Nov 2022 12:13

Tgt Ion:	180	Resp:	13037
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.9	115.3
145	30.0	24.9	37.3

