

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051858.D
 Acq On : 15 Nov 2022 13:25
 Operator : JC/MD
 Sample : VSTD10052
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100052

Quant Time: Nov 16 00:44:11 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	508743	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	510922	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	276854	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	238906	63.922	ug/L	0.00
7) Chloroethane-d5	1.893	69	237005	75.018	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	432201	67.142	ug/L	0.00
21) 2-Butanone-d5	4.616	46	598644	211.435	ug/L	0.00
24) Chloroform-d	5.060	84	610296	84.807	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	364666	81.923	ug/L	0.00
32) Benzene-d6	5.723	84	1107399	84.260	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	400794	90.751	ug/L	0.00
41) Toluene-d8	7.896	98	941280	80.158	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	168565	91.065	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	491150	246.278	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	787188	100.428	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	486267	95.232	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	289425	68.044	ug/L	100
3) Chloromethane	1.523	50	388934	71.082	ug/L	99
5) Vinyl chloride	1.604	62	414009	76.237	ug/L	99
6) Bromomethane	1.829	94	187405	68.403	ug/L	97
8) Chloroethane	1.916	64	263930	80.412	ug/L	97
9) Trichlorofluoromethane	2.131	101	486159	76.992	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	308111	78.969	ug/L	99
12) 1,1-Dichloroethene	2.575	96	298421	81.142	ug/L	98
13) Acetone	2.620	43	544375	168.399	ug/L	100
14) Carbon disulfide	2.790	76	820132	70.249	ug/L	100
15) Methyl Acetate	2.941	43	417657	87.095	ug/L	100
16) Methylene chloride	3.041	84	416802	85.111	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	325584	85.971	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	1075076	97.804	ug/L	100
19) 1,1-Dichloroethane	3.864	63	655833	87.106	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	401319	95.829	ug/L	100
22) 2-Butanone	4.697	43	711971	190.984	ug/L	100
23) Bromochloromethane	4.970	128	208527	88.689	ug/L	99
25) Chloroform	5.083	83	682551	87.781	ug/L	99
27) 1,2-Dichloroethane	5.790	62	508142	84.939	ug/L	100
29) Cyclohexane	5.385	56	492105	94.260	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	518824	87.323	ug/L	99
31) Carbon tetrachloride	5.520	117	432886	86.072	ug/L	99
33) Benzene	5.771	78	1541928	93.801	ug/L	100
34) Trichloroethene	6.539	95	354124	89.373	ug/L	98
35) Methylcyclohexane	6.761	83	530601	94.221	ug/L	98
37) 1,2-Dichloropropane	6.787	63	424109	93.758	ug/L	99
38) Bromodichloromethane	7.102	83	530460	91.884	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	614712	102.965	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	1266016	209.750	ug/L	99
42) Toluene	7.967	91	1672218	99.301	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	584842	101.094	ug/L	99

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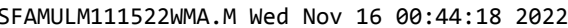
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100052

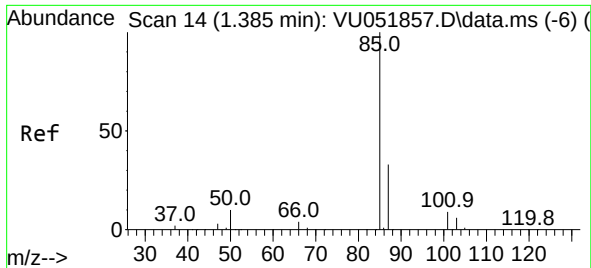
Quant Time: Nov 16 00:44:11 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	427252	94.213	ug/L	99
46) Tetrachloroethene	8.549	164	271332	91.801	ug/L	96
48) 2-Hexanone	8.681	43	1069076	209.097	ug/L	99
49) Dibromochloromethane	8.809	129	449747	96.337	ug/L	100
50) 1,2-Dibromoethane	8.919	107	437437	94.134	ug/L	98
51) Chlorobenzene	9.443	112	1068235	95.845	ug/L	100
52) Ethylbenzene	9.568	91	1764095	103.270	ug/L	99
53) m,p-Xylene	9.690	106	696715	106.003	ug/L	98
54) o-Xylene	10.099	106	709210	108.206	ug/L	99
55) Styrene	10.111	104	1260803	110.980	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	824461	95.486	ug/L	99
59) Bromoform	10.288	173	360298	93.130	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	626075	88.152	ug/L	100
61) Isopropylbenzene	10.481	105	1762142	101.808	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	1536859	105.738	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	1533051	107.224	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	846801	96.019	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	850416	93.986	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	873006	94.829	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	165871	86.790	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	572625	96.735	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	479187	104.779	ug/L	100
71) Naphthalene	14.082	128	1779828	120.483	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	529253	108.083	ug/L	99

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

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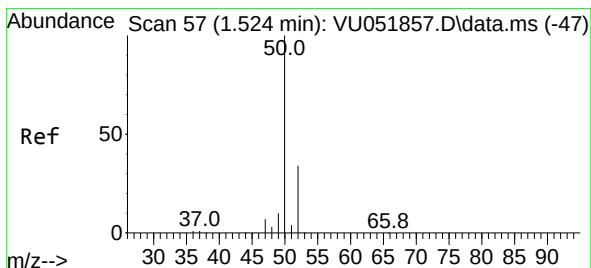
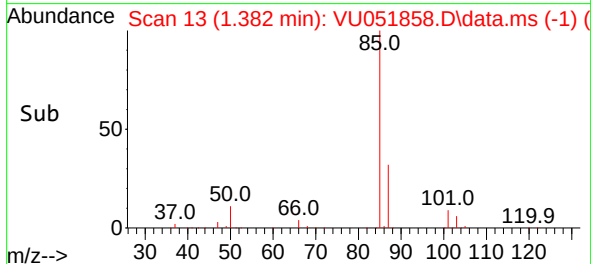
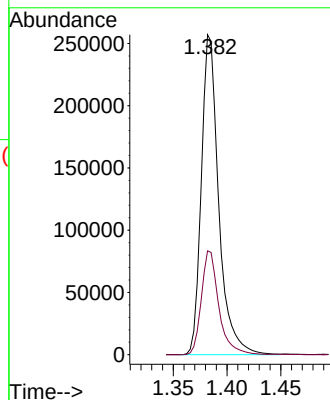
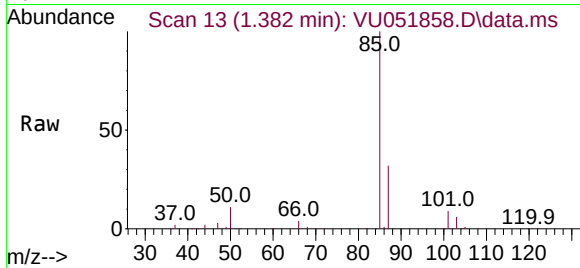




#2
 Dichlorodifluoromethane
 Concen: 68.044 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

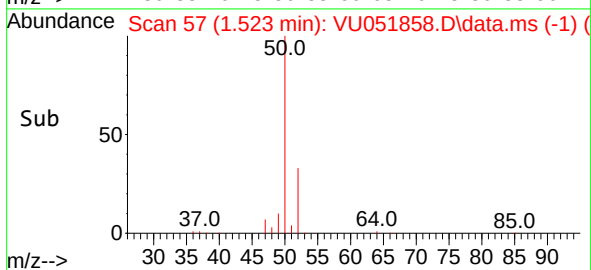
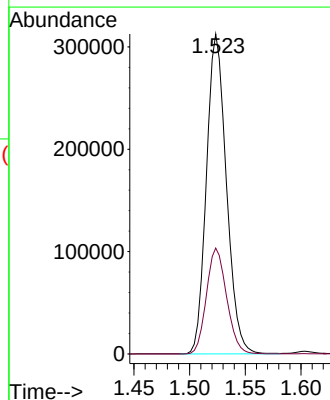
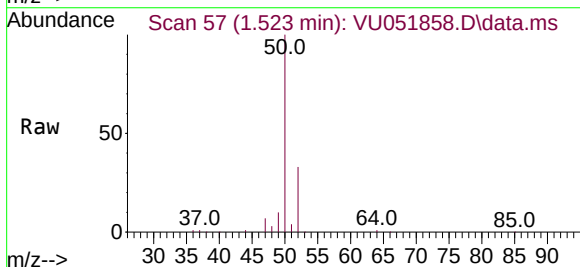
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100052

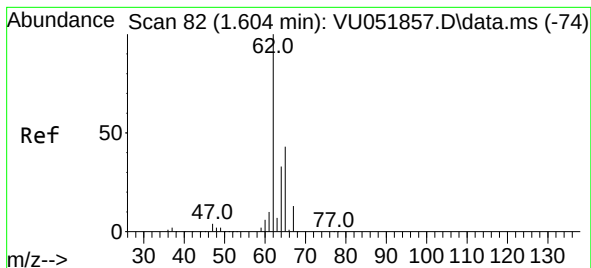
Tgt Ion: 85 Resp: 289425
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 71.082 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

Tgt Ion: 50 Resp: 388934
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.6





#5

Vinyl chloride

Concen: 76.237 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

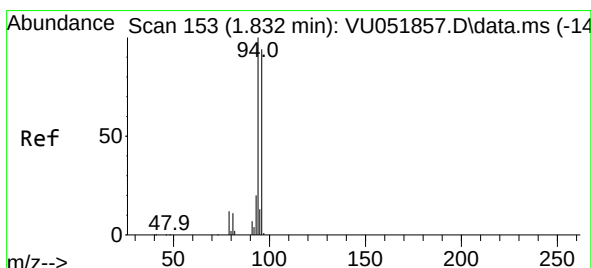
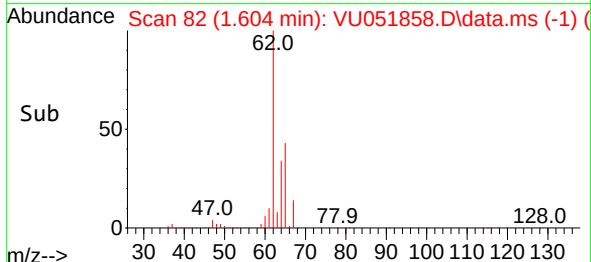
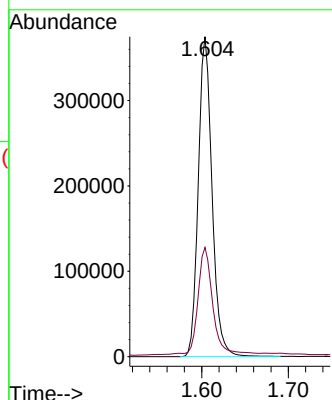
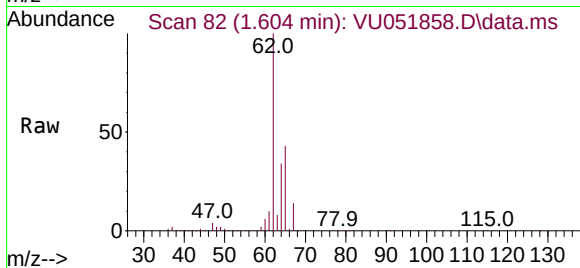
VSTD100052

Tgt Ion: 62 Resp: 414009

Ion Ratio Lower Upper

62 100

64 34.1 24.3 45.1



#6

Bromomethane

Concen: 68.403 ug/L

RT: 1.829 min Scan# 152

Delta R.T. -0.003 min

Lab File: VU051858.D

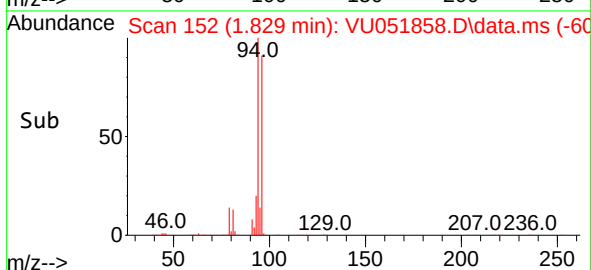
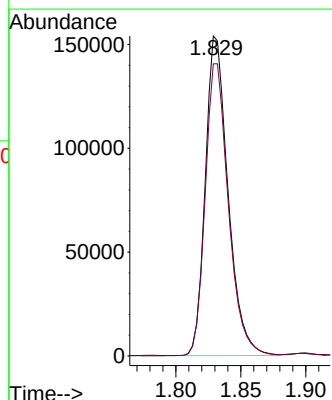
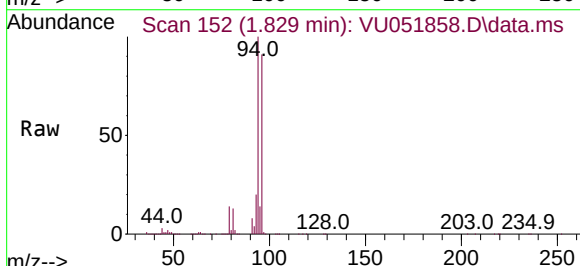
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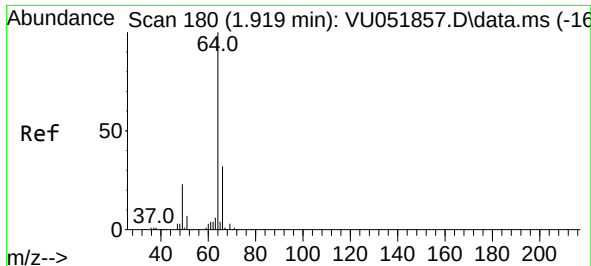
Tgt Ion: 94 Resp: 187405

Ion Ratio Lower Upper

94 100

96 91.3 66.1 122.7

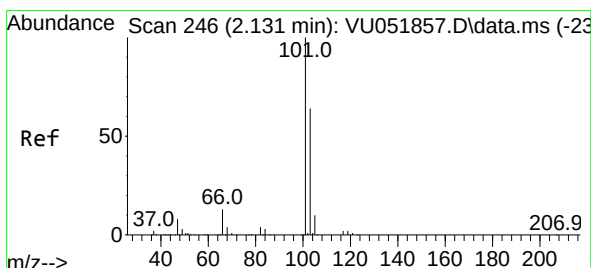
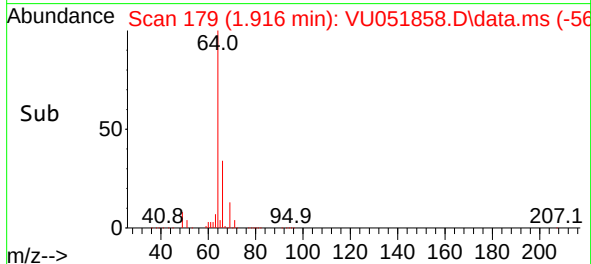
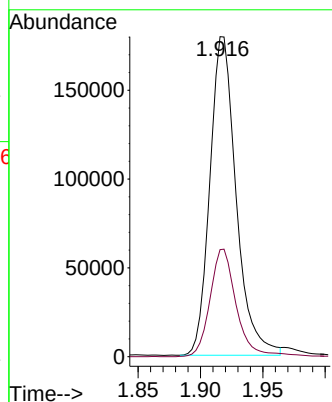
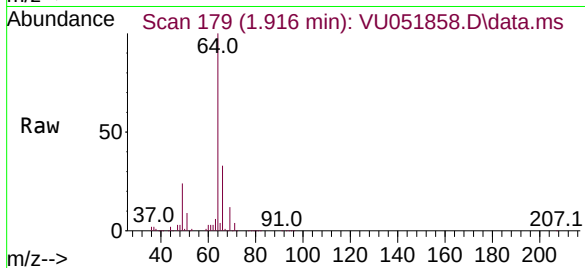




#8
Chloroethane
Concen: 80.412 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

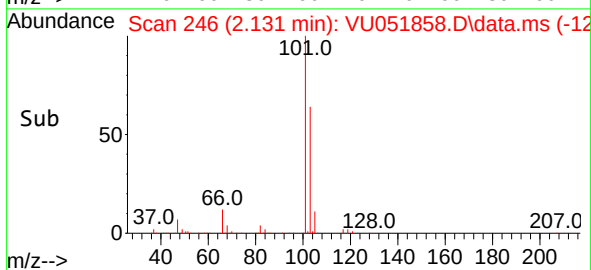
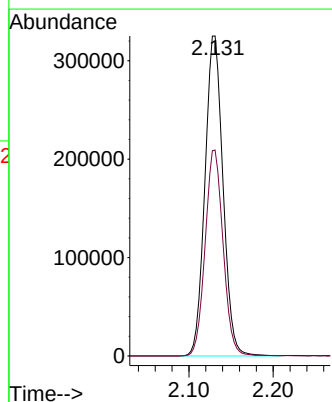
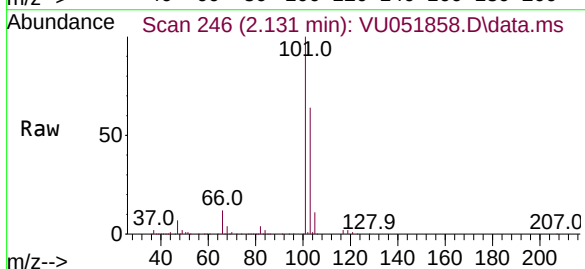
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

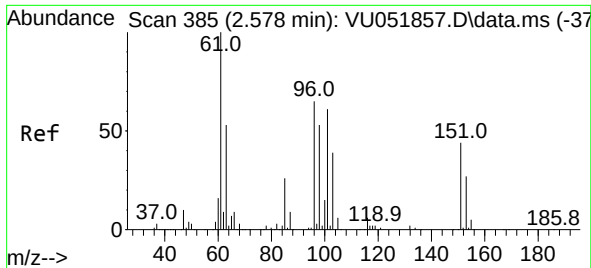
Tgt Ion: 64 Resp: 263930
Ion Ratio Lower Upper
64 100
66 33.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 76.992 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion:101 Resp: 486159
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2

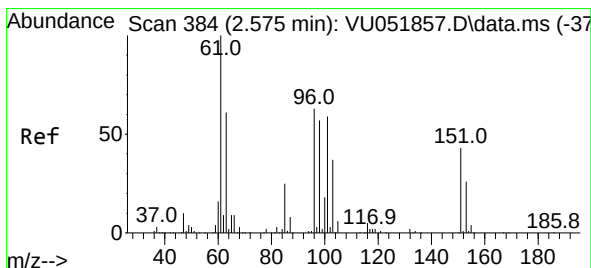
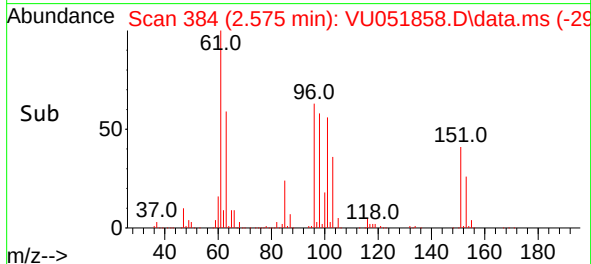
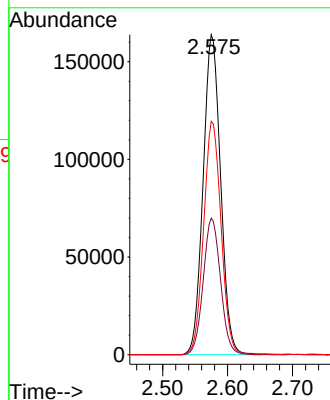
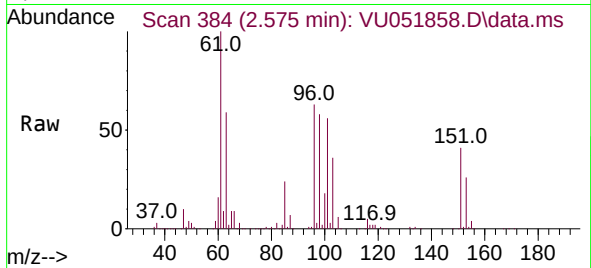




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 78.969 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

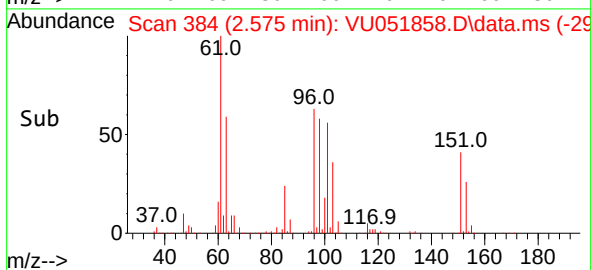
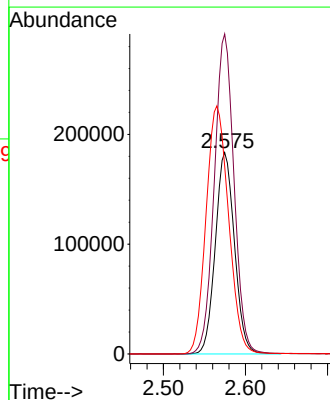
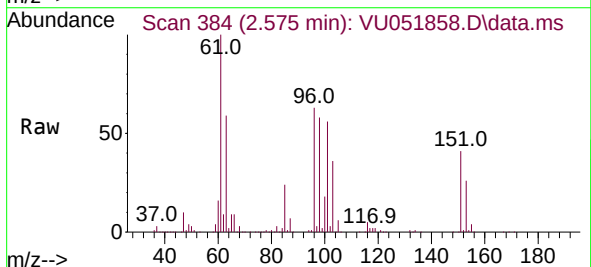
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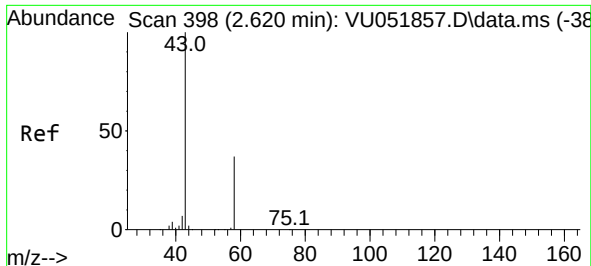
Tgt Ion:101 Resp: 308111
 Ion Ratio Lower Upper
 101 100
 85 42.1 34.2 51.2
 151 72.6 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 81.142 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

Tgt Ion: 96 Resp: 298421
 Ion Ratio Lower Upper
 96 100
 61 158.9 110.7 205.5
 63 93.3 68.6 127.4





#13

Acetone

Concen: 168.399 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

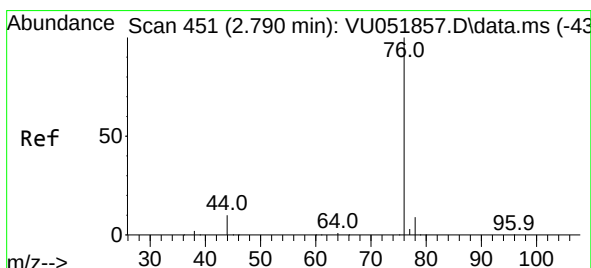
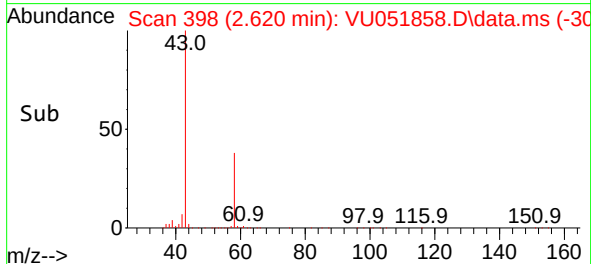
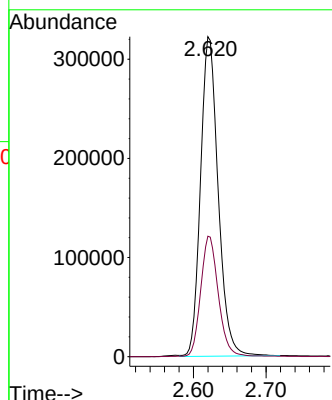
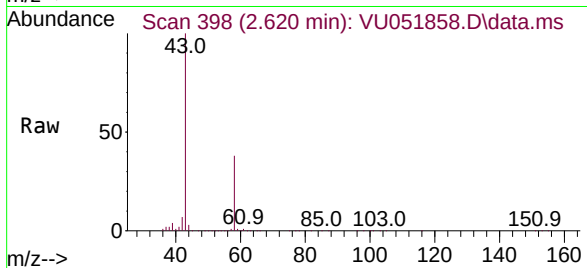
VSTD100052

Tgt Ion: 43 Resp: 544375

Ion Ratio Lower Upper

43 100

58 37.7 0.0 75.4



#14

Carbon disulfide

Concen: 70.249 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051858.D

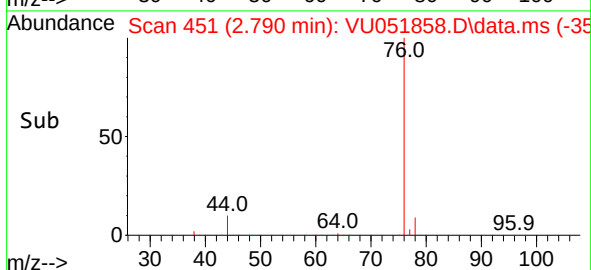
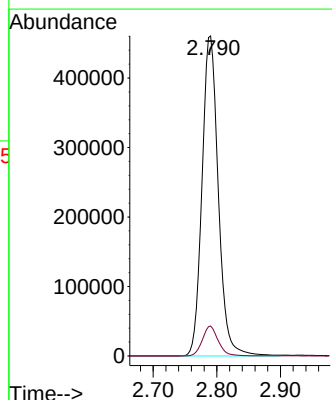
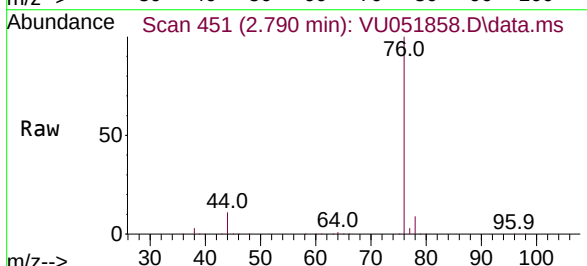
Acq: 15 Nov 2022 13:25

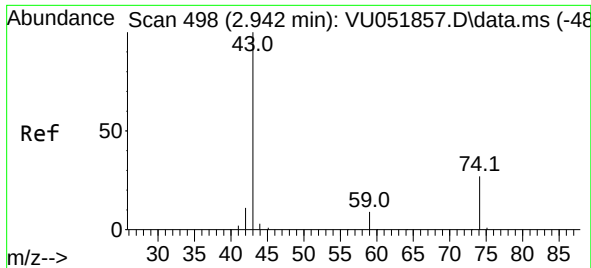
Tgt Ion: 76 Resp: 820132

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

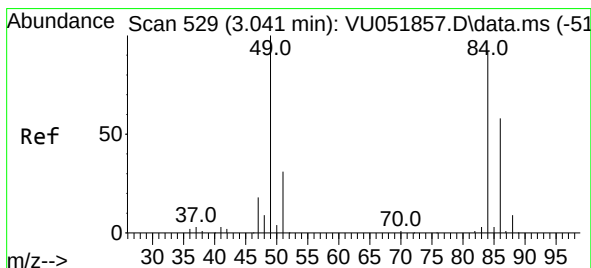
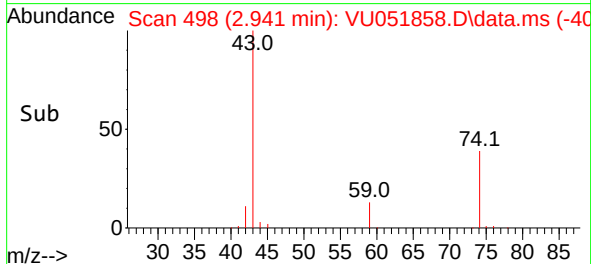
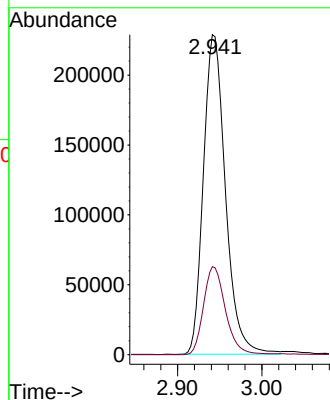
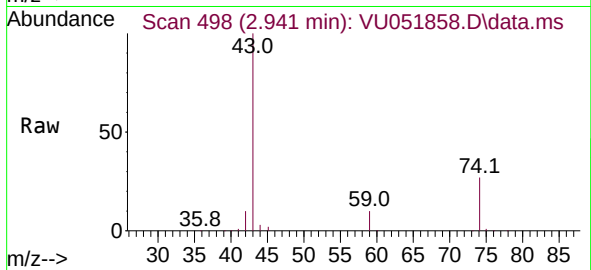




#15
Methyl Acetate
Concen: 87.095 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

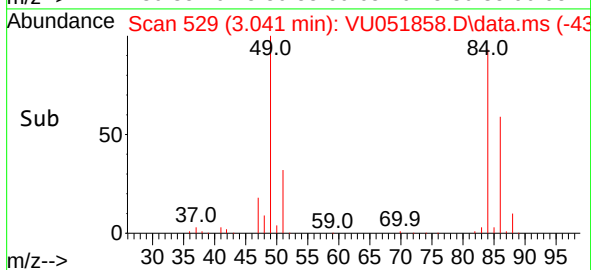
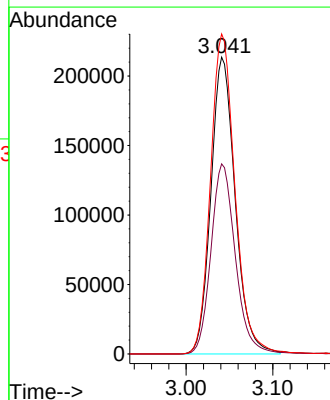
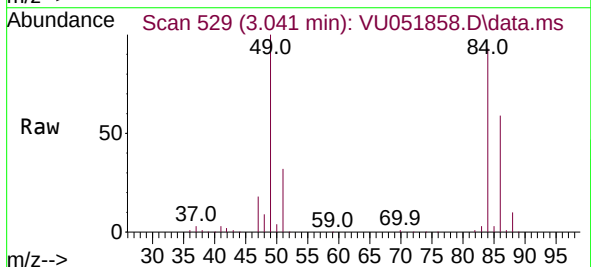
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

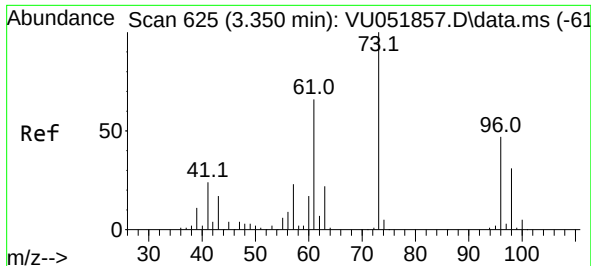
Tgt Ion: 43 Resp: 417657
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.8



#16
Methylene chloride
Concen: 85.111 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 84 Resp: 416802
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 107.8 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 85.971 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100052

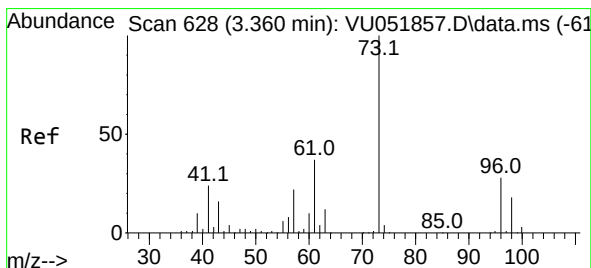
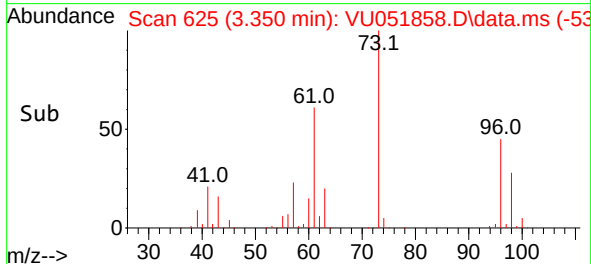
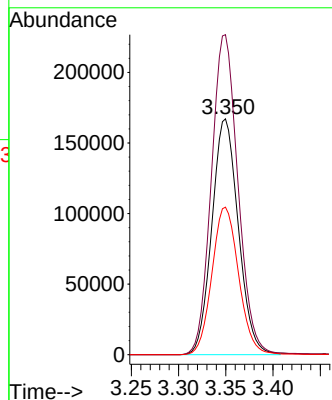
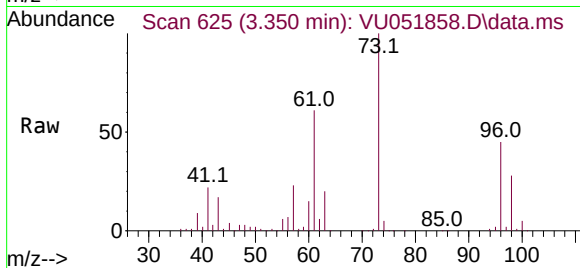
Tgt Ion: 96 Resp: 325584

Ion Ratio Lower Upper

96 100

61 135.7 98.3 182.7

98 62.6 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 97.804 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

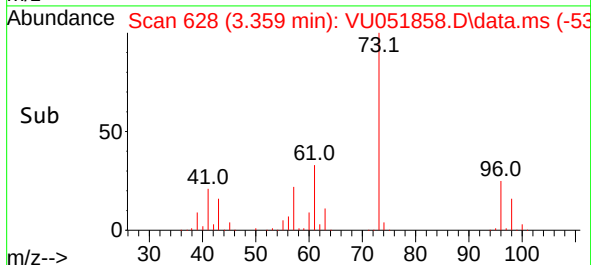
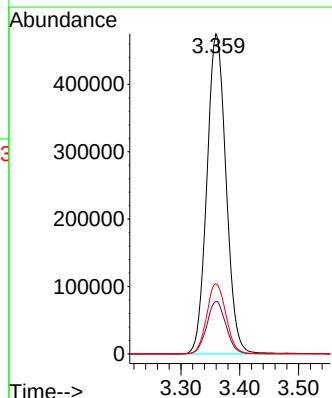
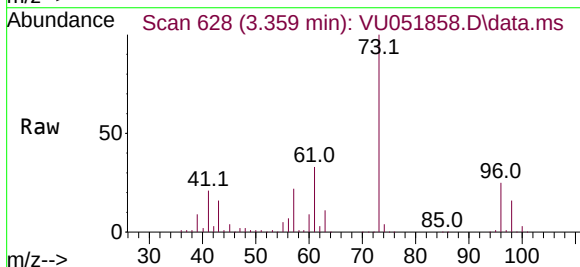
Tgt Ion: 73 Resp: 1075076

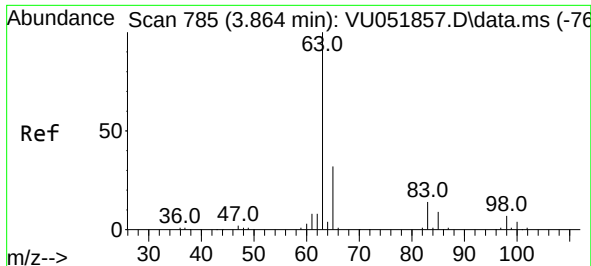
Ion Ratio Lower Upper

73 100

43 16.5 13.4 20.0

57 22.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 87.106 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100052

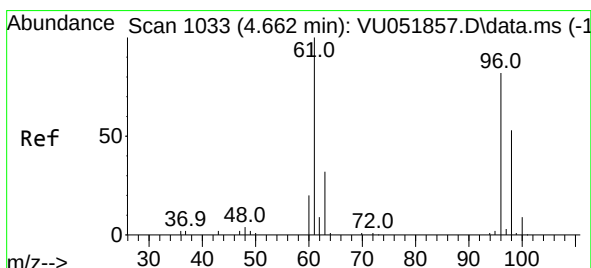
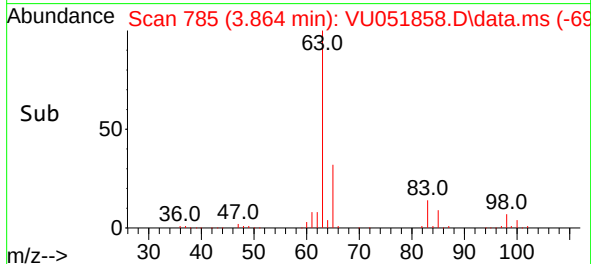
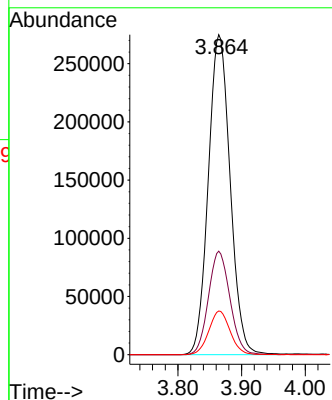
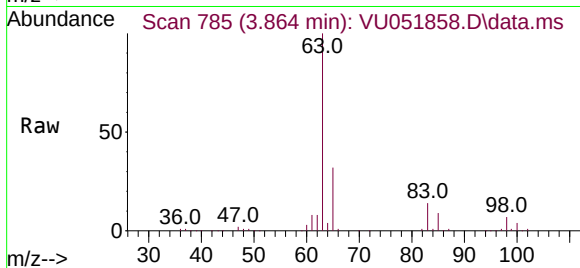
Tgt Ion: 63 Resp: 655833

Ion Ratio Lower Upper

63 100

65 32.4 22.2 41.2

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 95.829 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

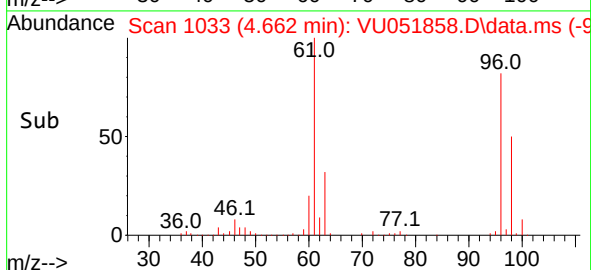
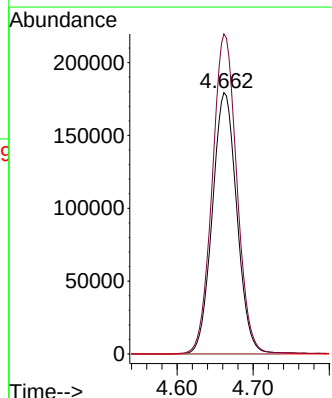
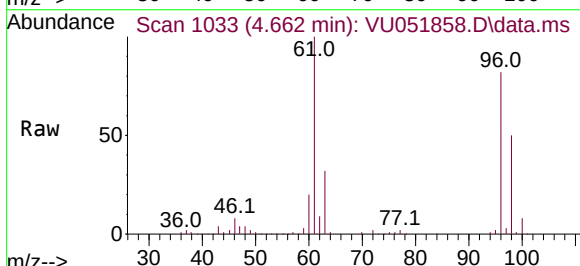
Tgt Ion: 96 Resp: 401319

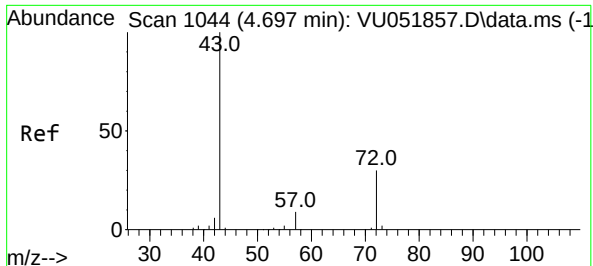
Ion Ratio Lower Upper

96 100

61 122.5 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 190.984 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

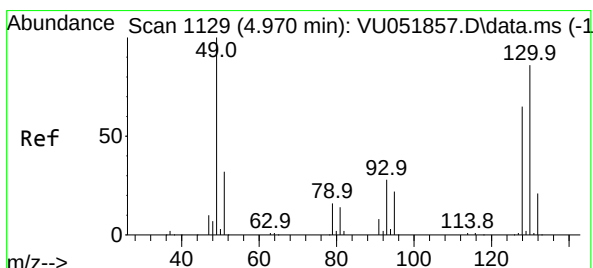
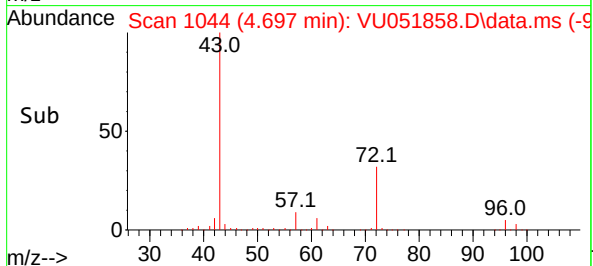
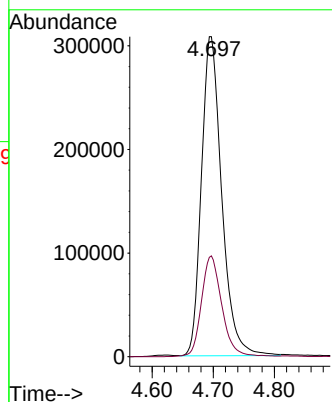
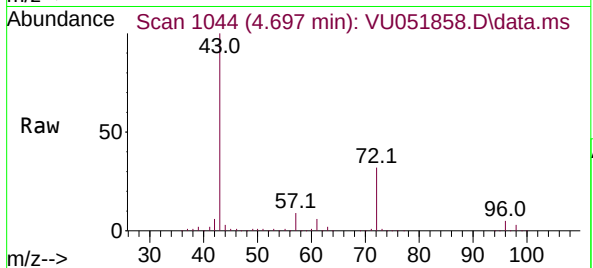
VSTD100052

Tgt Ion: 43 Resp: 711971

Ion Ratio Lower Upper

43 100

72 31.5 15.7 47.1



#23

Bromochloromethane

Concen: 88.689 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Tgt Ion:128 Resp: 208527

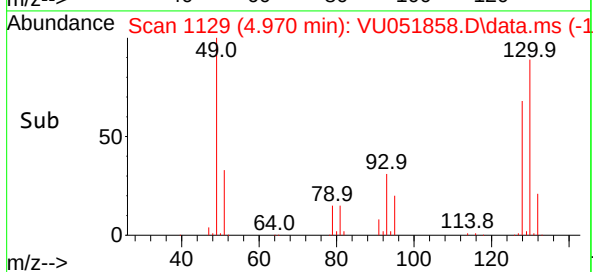
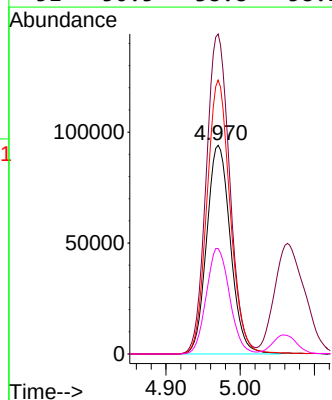
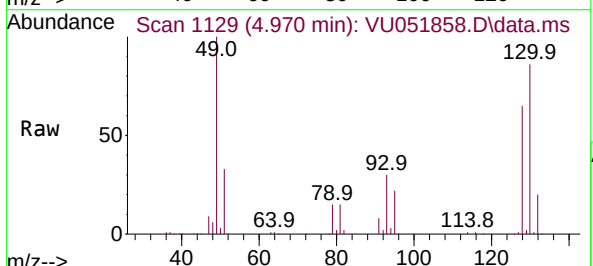
Ion Ratio Lower Upper

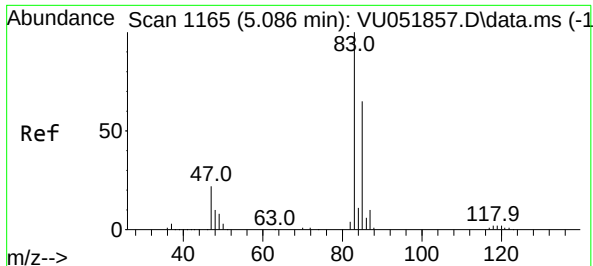
128 100

49 153.3 107.2 199.0

130 131.2 92.5 171.7

51 50.5 38.8 58.2





#25

Chloroform

Concen: 87.781 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

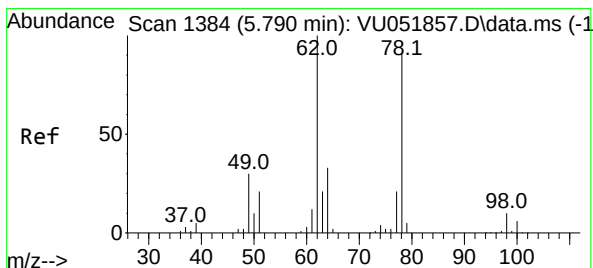
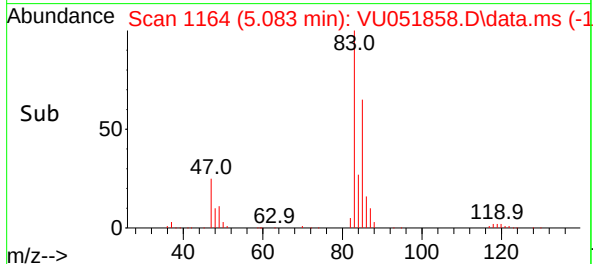
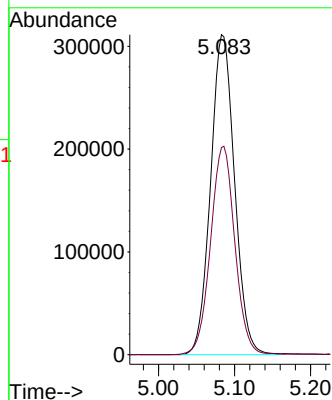
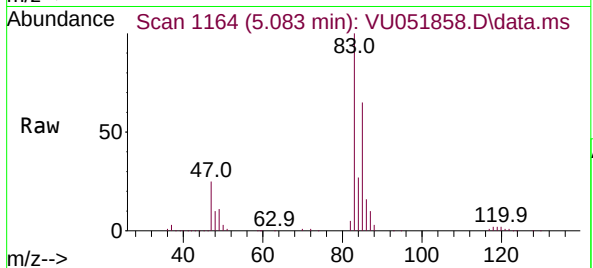
VSTD100052

Tgt Ion: 83 Resp: 682551

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 84.939 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051858.D

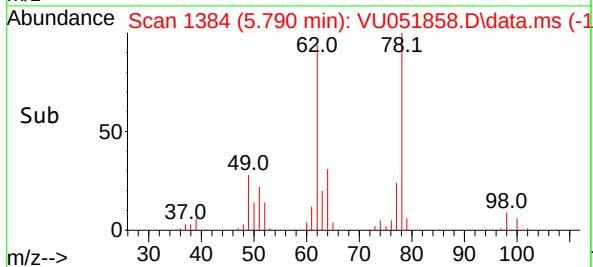
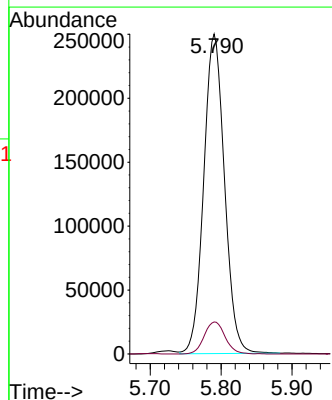
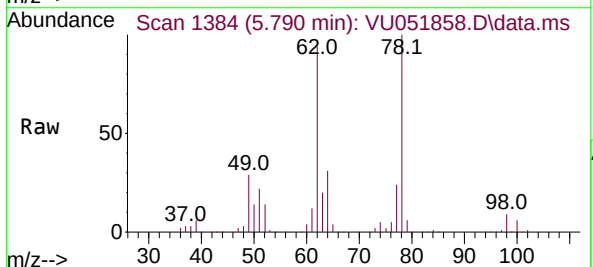
Acq: 15 Nov 2022 13:25

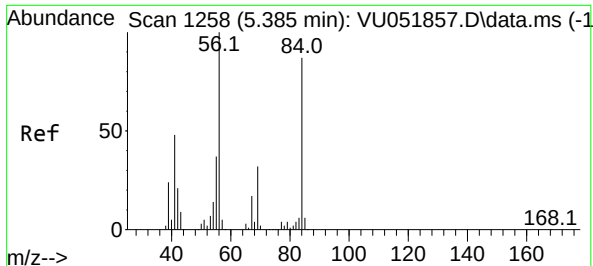
Tgt Ion: 62 Resp: 508142

Ion Ratio Lower Upper

62 100

98 10.0 8.1 12.1





#29

Cyclohexane

Concen: 94.260 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100052

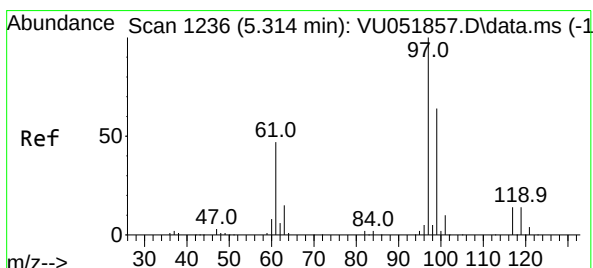
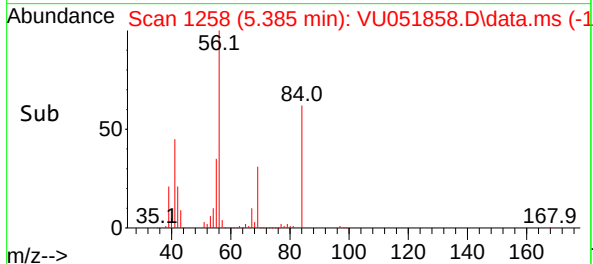
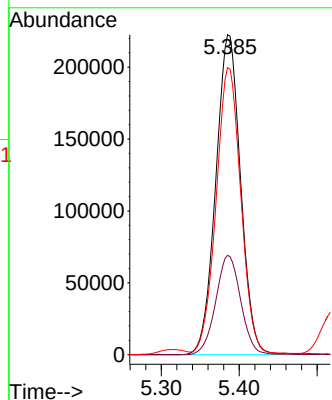
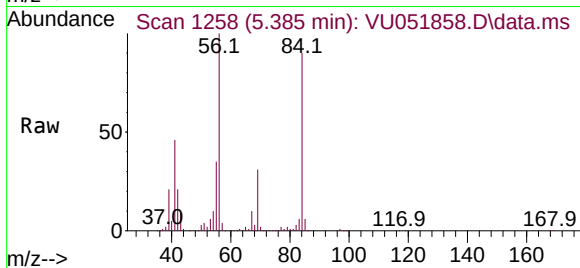
Tgt Ion: 56 Resp: 492105

Ion Ratio Lower Upper

56 100

69 31.3 25.4 38.2

84 88.6 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 87.323 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

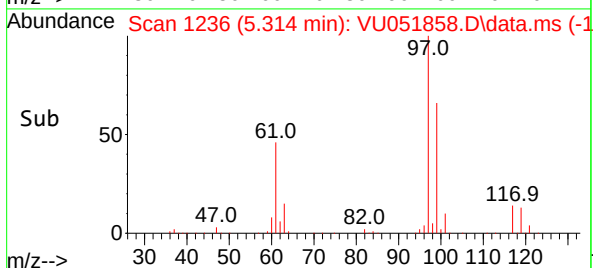
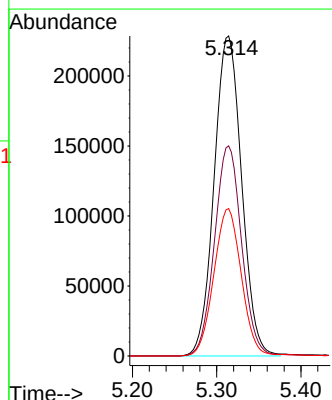
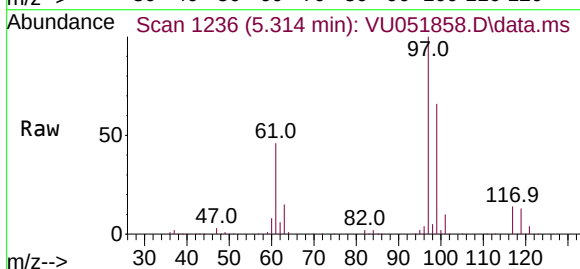
Tgt Ion: 97 Resp: 518824

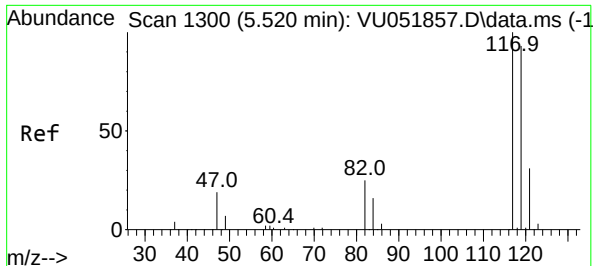
Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 45.9 37.4 56.2

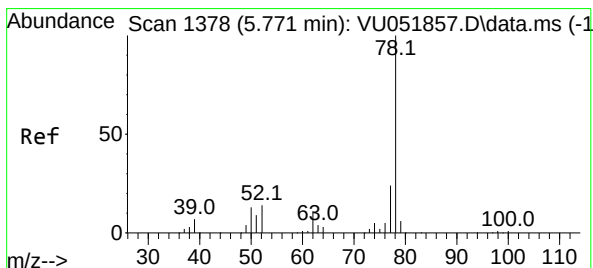
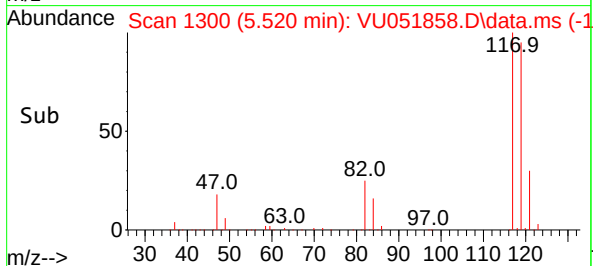
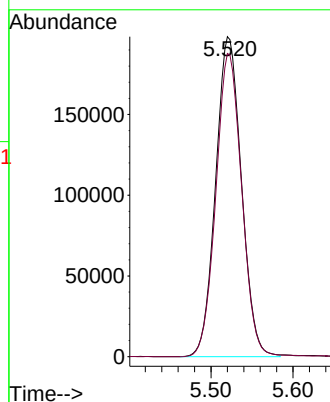
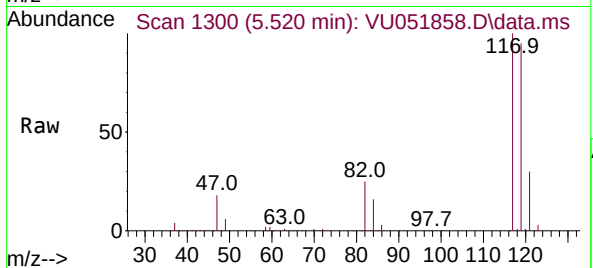




#31
Carbon tetrachloride
Concen: 86.072 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

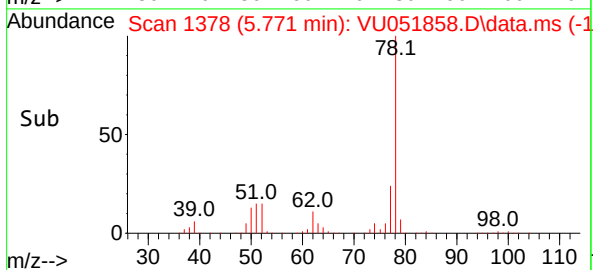
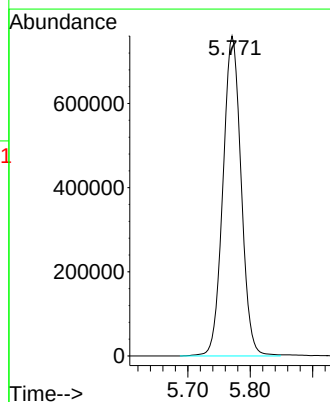
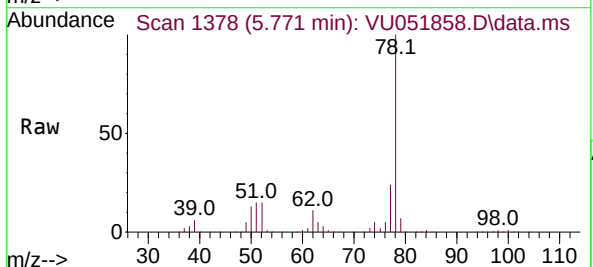
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

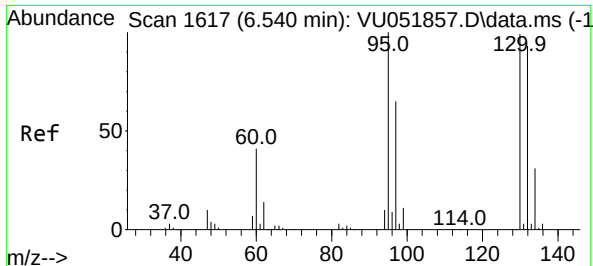
Tgt Ion:117 Resp: 432886
Ion Ratio Lower Upper
117 100
119 95.2 75.6 113.4



#33
Benzene
Concen: 93.801 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 78 Resp: 1541928

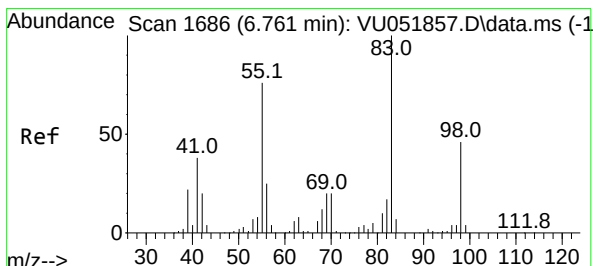
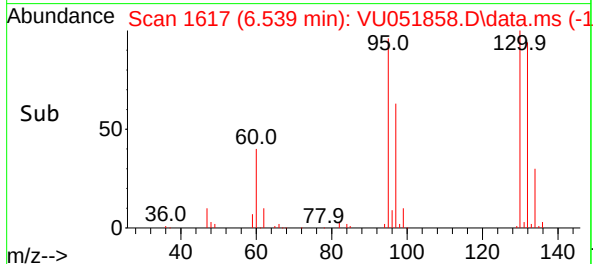
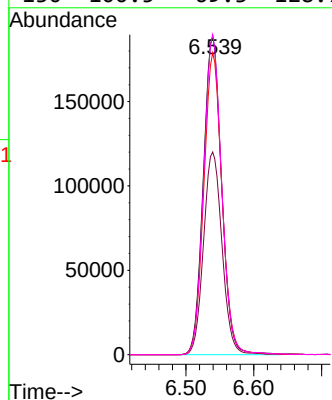
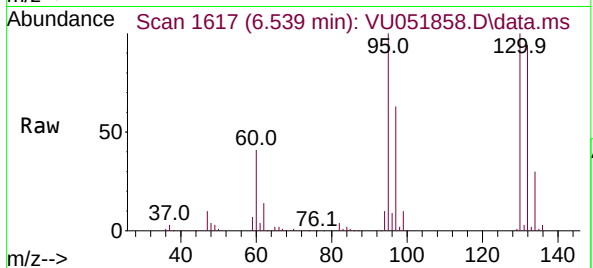




#34
Trichloroethene
Concen: 89.373 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

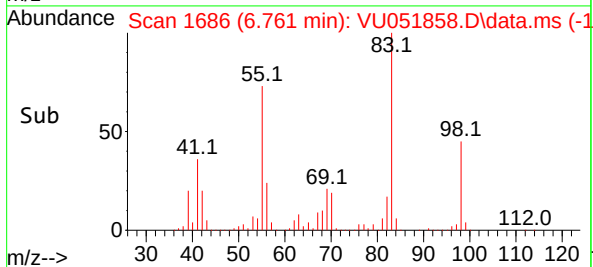
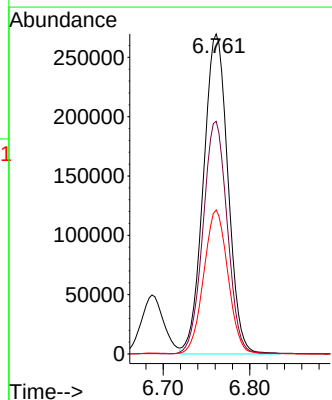
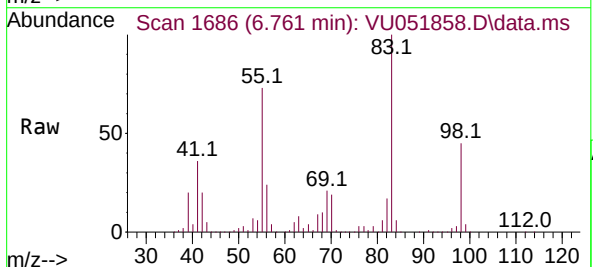
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

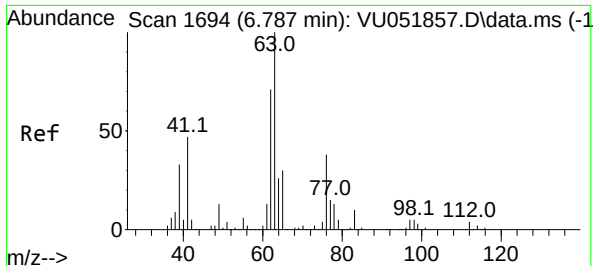
Tgt Ion: 95 Resp: 354124
Ion Ratio Lower Upper
95 100
97 63.7 45.8 85.0
132 94.7 65.3 121.3
130 100.5 69.3 128.7



#35
Methylcyclohexane
Concen: 94.221 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 83 Resp: 530601
Ion Ratio Lower Upper
83 100
55 72.0 60.0 90.0
98 44.3 35.8 53.8





#37

1,2-Dichloropropane

Concen: 93.758 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

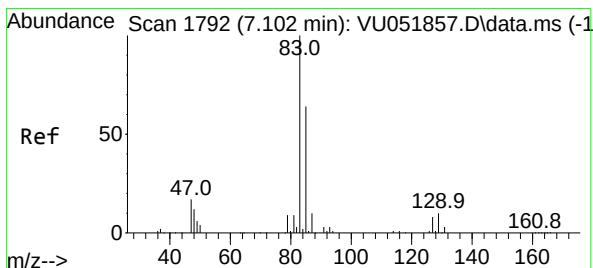
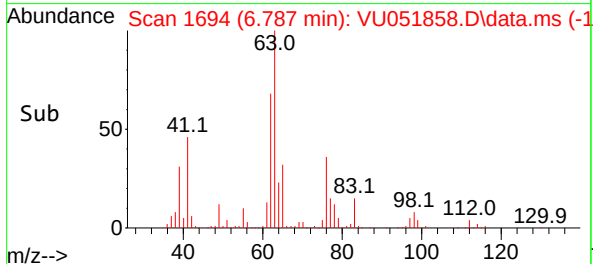
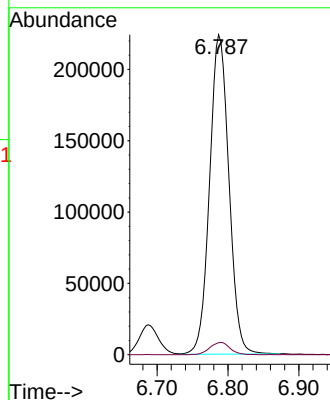
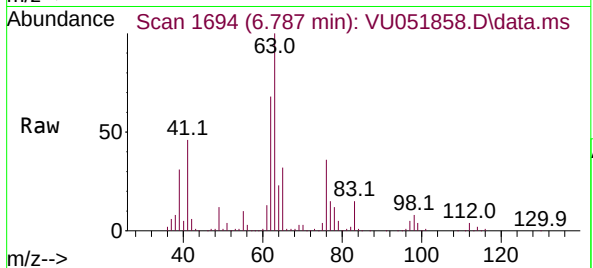
VSTD100052

Tgt Ion: 63 Resp: 424109

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 91.884 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

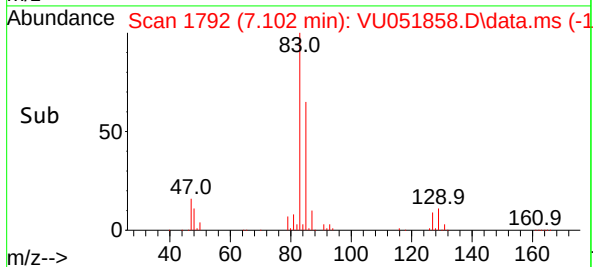
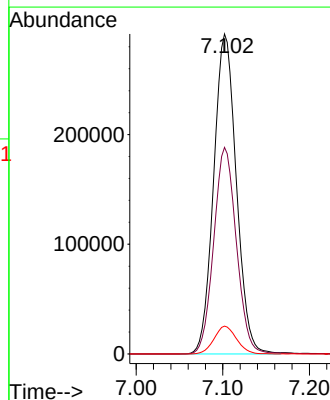
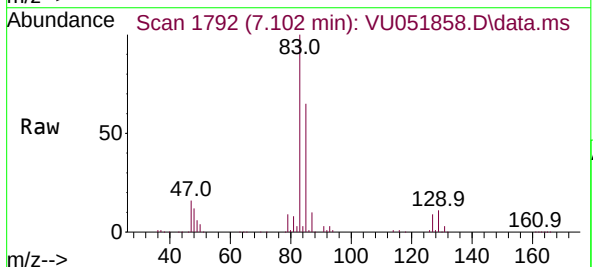
Tgt Ion: 83 Resp: 530460

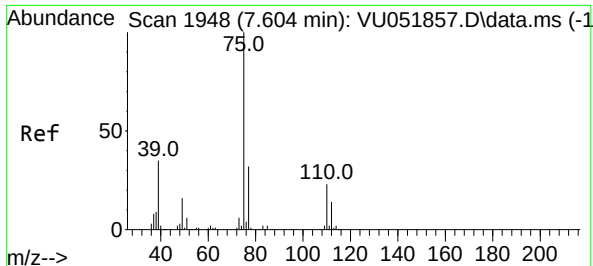
Ion Ratio Lower Upper

83 100

85 64.5 44.6 82.8

127 8.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 102.965 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

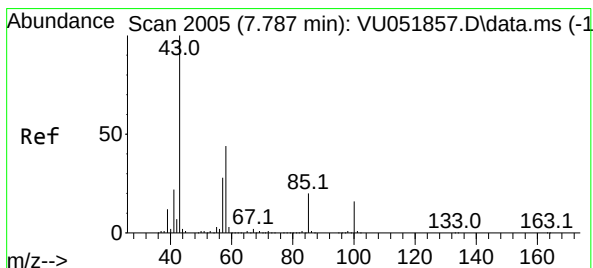
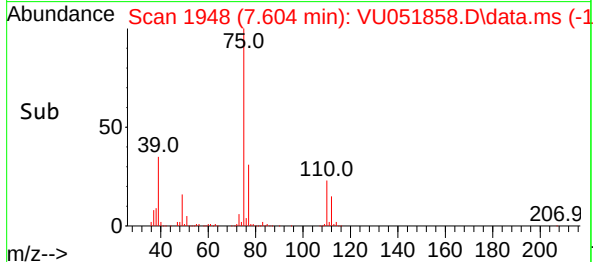
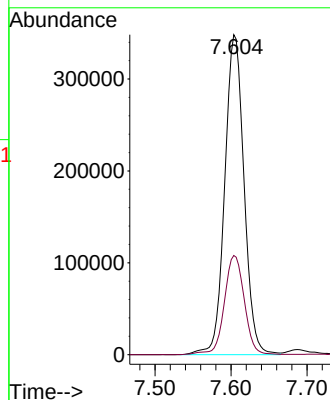
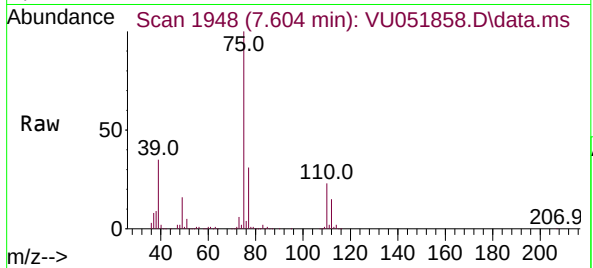
VSTD100052

Tgt Ion: 75 Resp: 614712

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 209.750 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

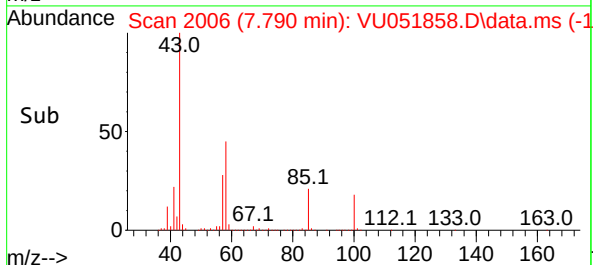
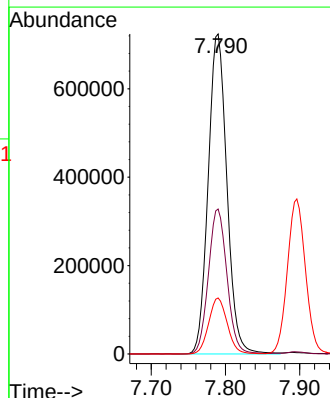
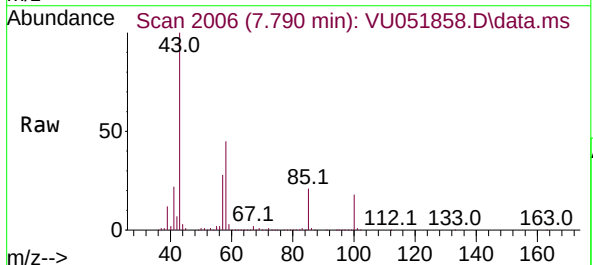
Tgt Ion: 43 Resp: 1266016

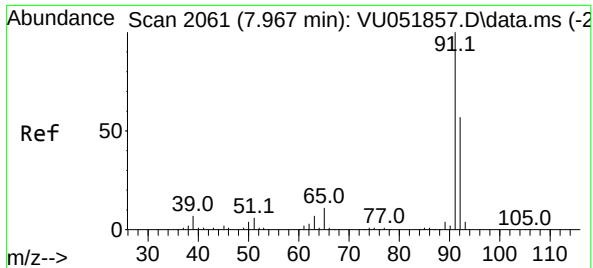
Ion Ratio Lower Upper

43 100

58 45.0 35.4 53.2

100 17.4 13.4 20.0





#42

Toluene

Concen: 99.301 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

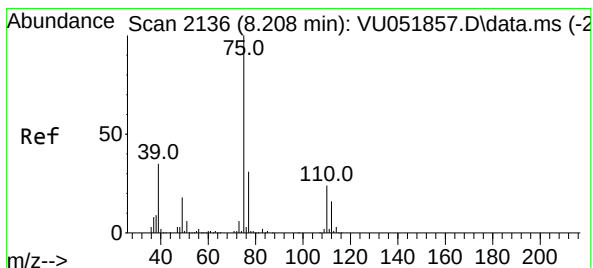
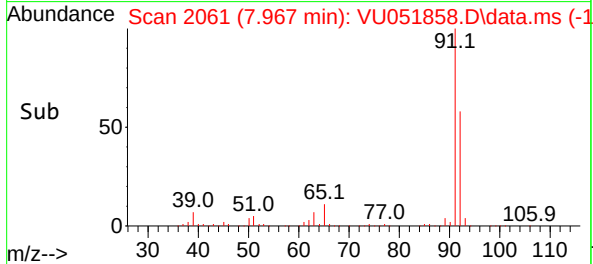
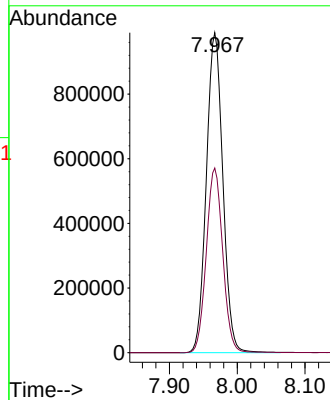
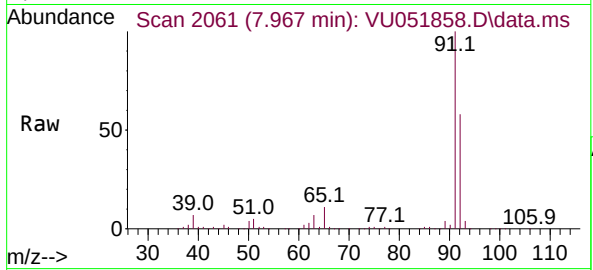
VSTD100052

Tgt Ion: 91 Resp: 1672218

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 101.094 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051858.D

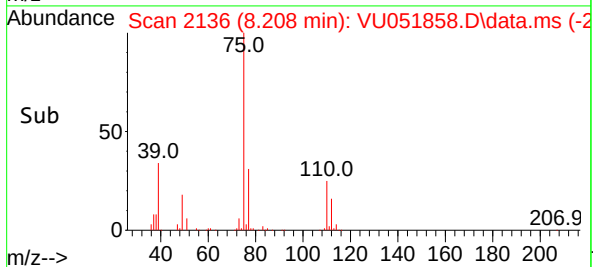
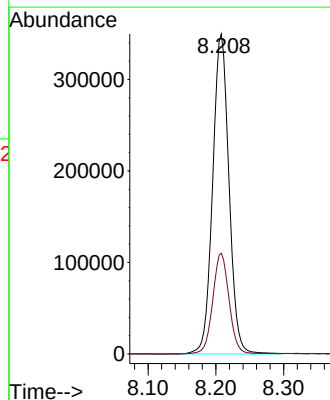
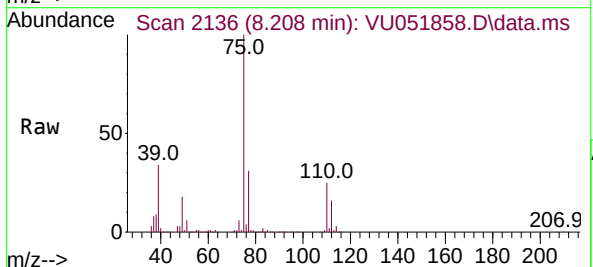
Acq: 15 Nov 2022 13:25

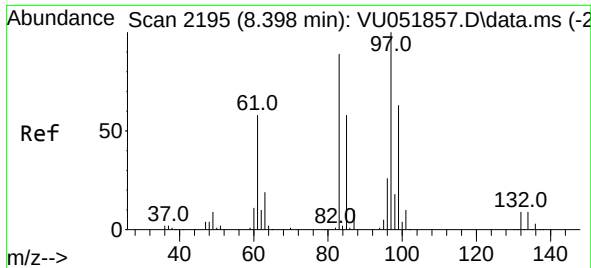
Tgt Ion: 75 Resp: 584842

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



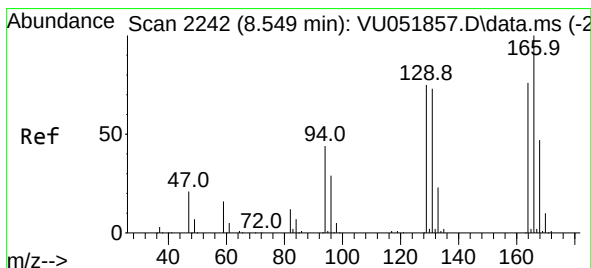
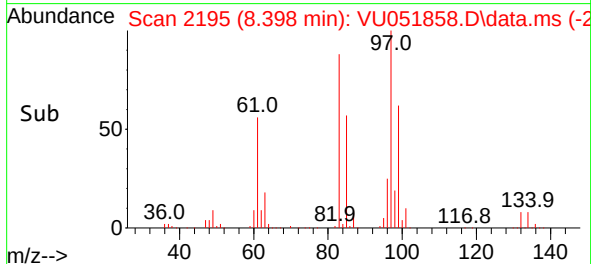
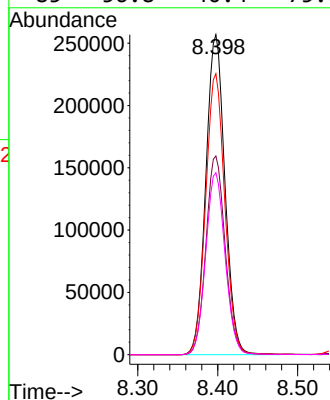
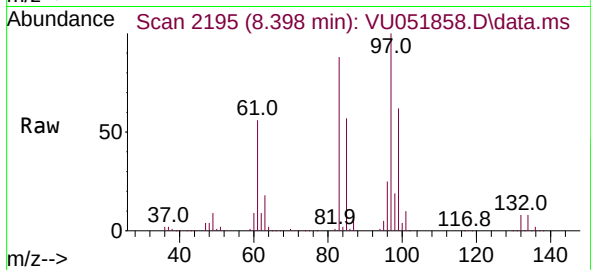


#45
1,1,2-Trichloroethane
Concen: 94.213 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

Tgt Ion: 97 Resp: 427252

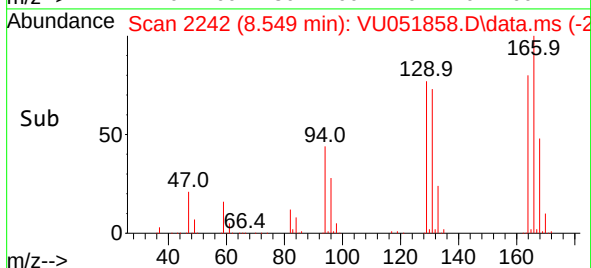
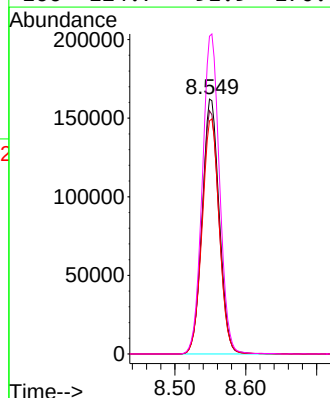
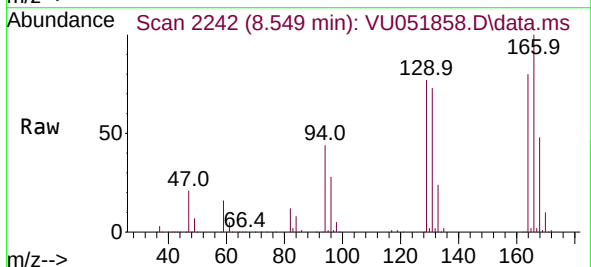
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.3	82.3
83	87.8	62.3	115.7
85	56.8	40.4	75.0

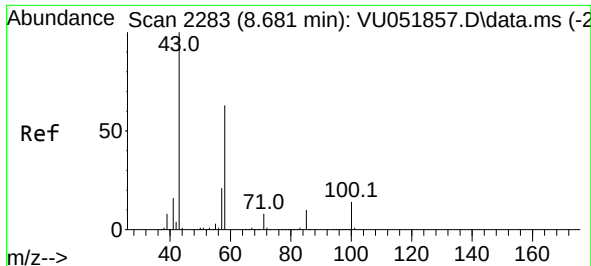


#46
Tetrachloroethene
Concen: 91.801 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 164 Resp: 271332

Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.5	127.1
131	91.5	66.6	123.8
166	124.7	91.9	170.7

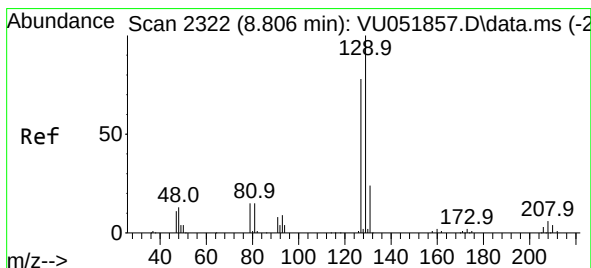
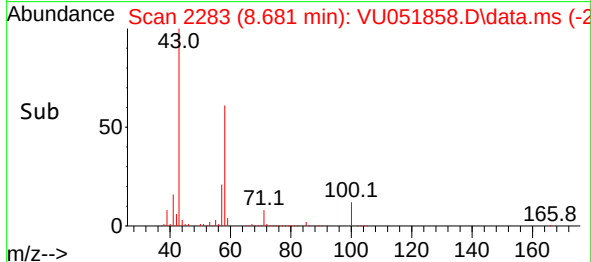
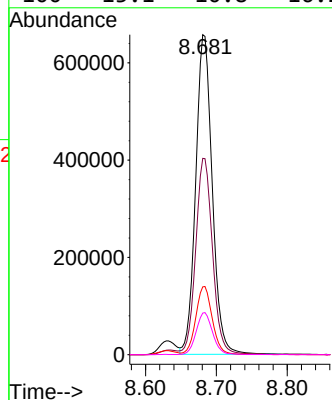
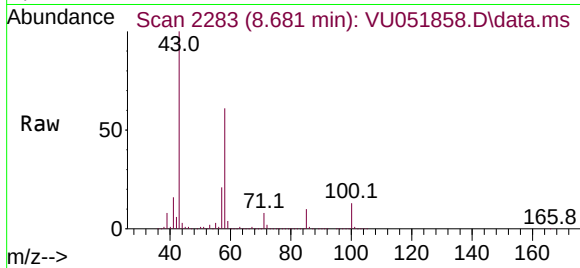




#48
2-Hexanone
Concen: 209.097 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

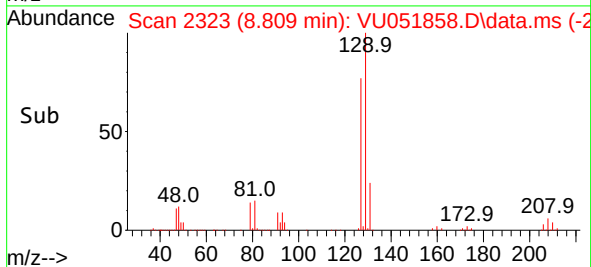
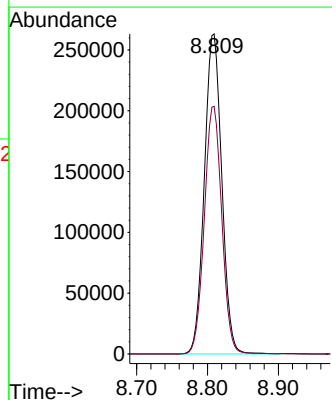
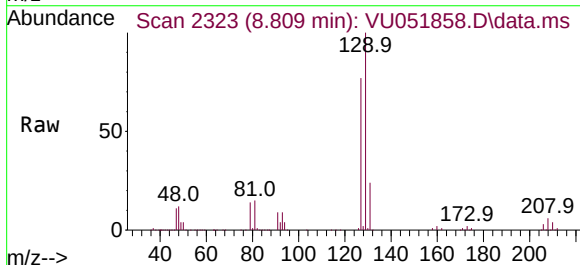
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

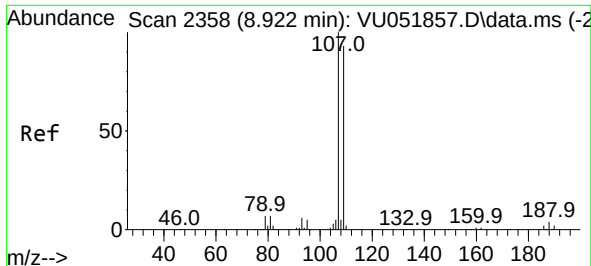
Tgt Ion: 43 Resp: 1069076
Ion Ratio Lower Upper
43 100
58 62.1 50.6 76.0
57 21.2 16.8 25.2
100 13.1 10.8 16.2



#49
Dibromochloromethane
Concen: 96.337 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 129 Resp: 449747
Ion Ratio Lower Upper
129 100
127 77.4 54.4 101.0





#50

1,2-Dibromoethane

Concen: 94.134 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100052

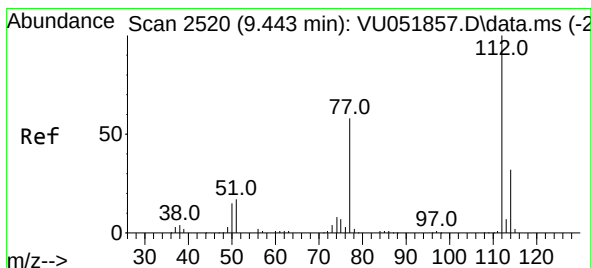
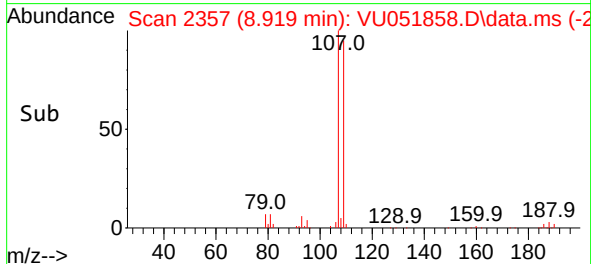
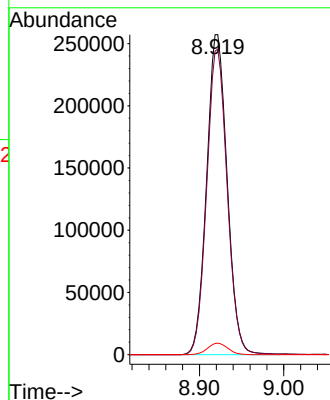
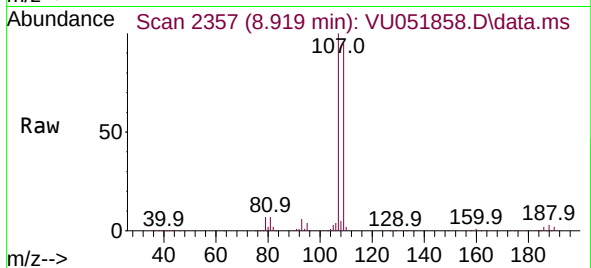
Tgt Ion:107 Resp: 437437

Ion Ratio Lower Upper

107 100

109 94.9 65.0 120.6

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 95.845 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

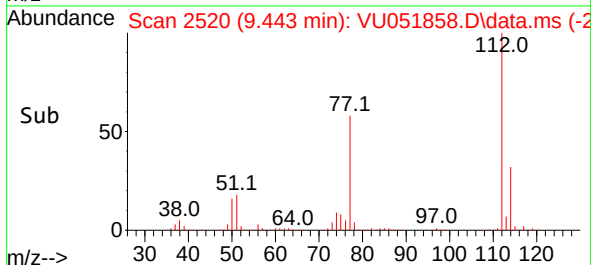
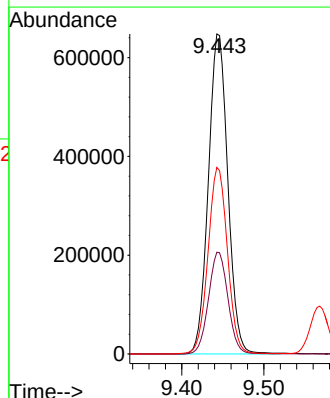
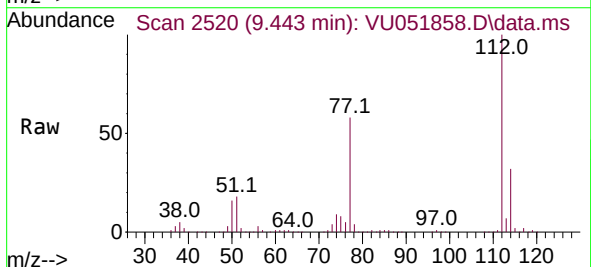
Tgt Ion:112 Resp: 1068235

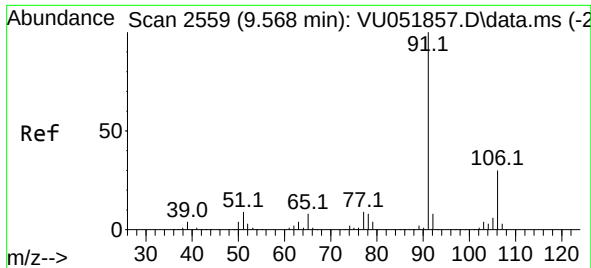
Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

77 58.3 46.7 70.1

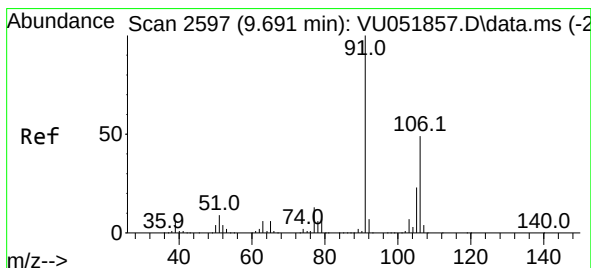
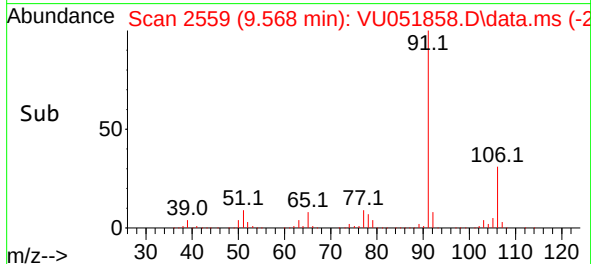
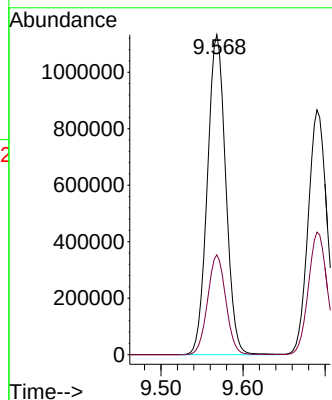
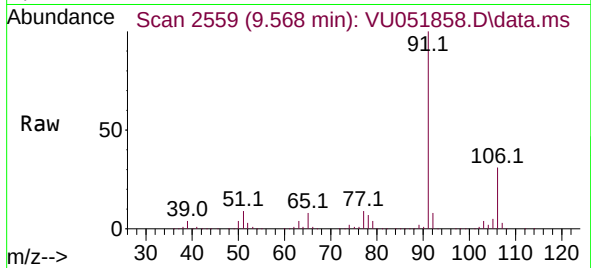




#52
Ethylbenzene
Concen: 103.270 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

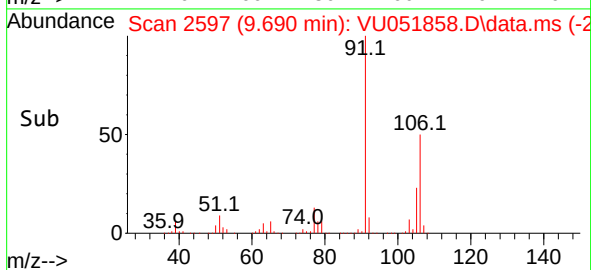
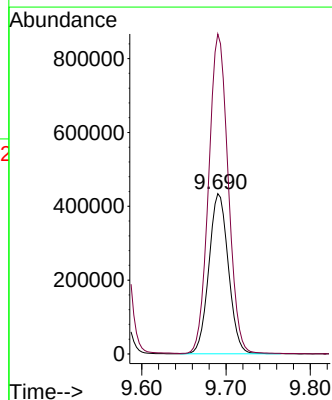
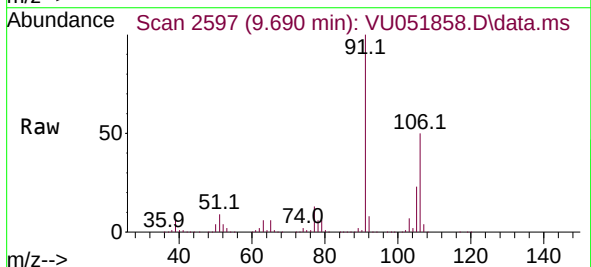
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

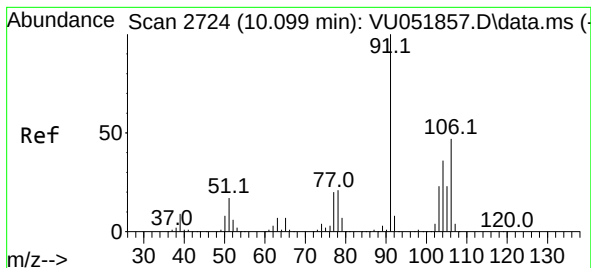
Tgt Ion: 91 Resp: 1764095
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 106.003 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 106 Resp: 696715
Ion Ratio Lower Upper
106 100
91 199.7 141.7 263.3

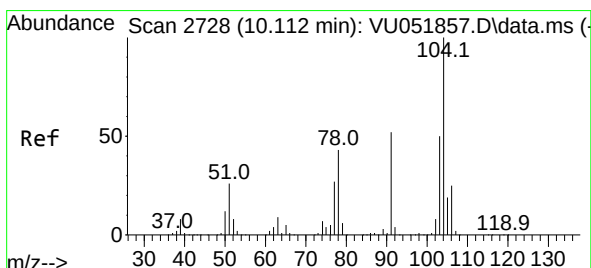
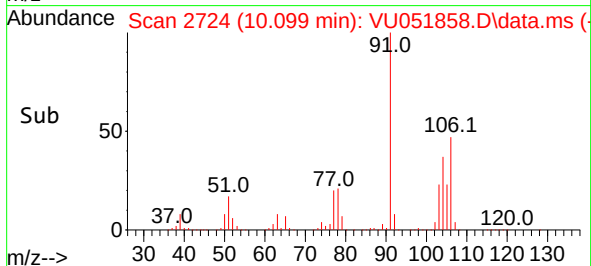
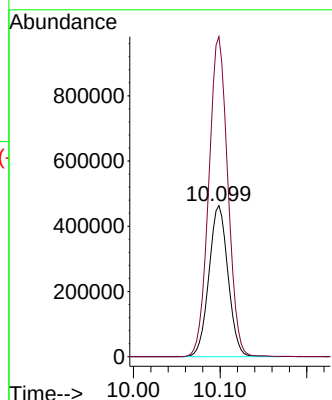
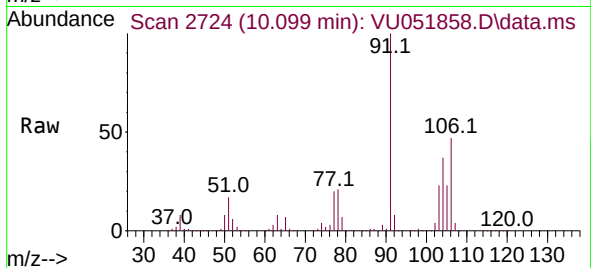




#54
o-Xylene
Concen: 108.206 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

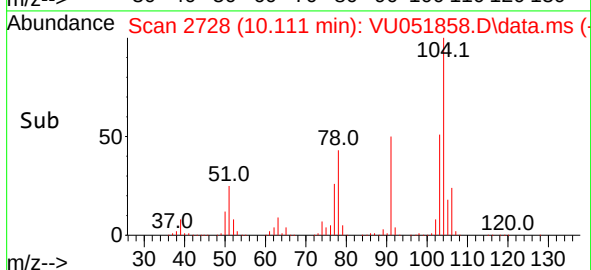
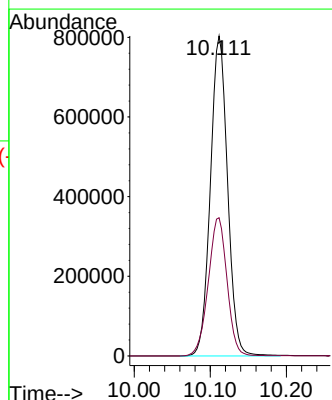
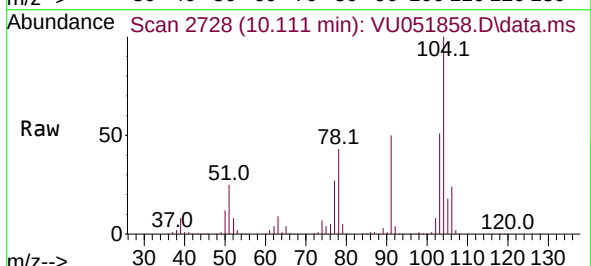
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

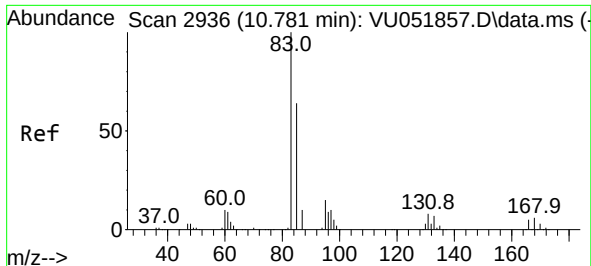
Tgt Ion:106 Resp: 709210
Ion Ratio Lower Upper
106 100
91 211.9 149.7 278.1



#55
Styrene
Concen: 110.980 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion:104 Resp: 1260803
Ion Ratio Lower Upper
104 100
78 43.2 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 95.486 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD100052

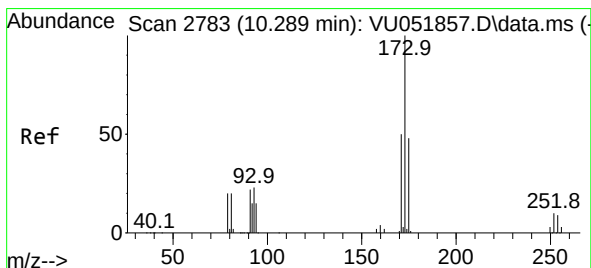
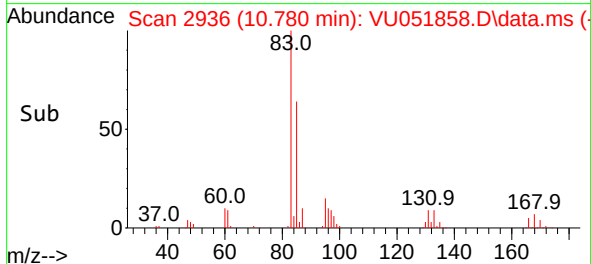
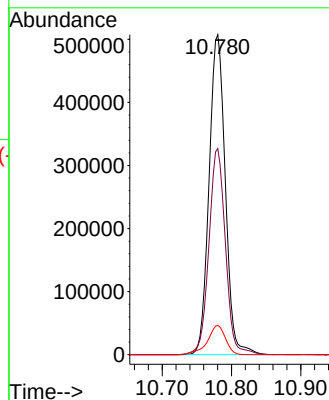
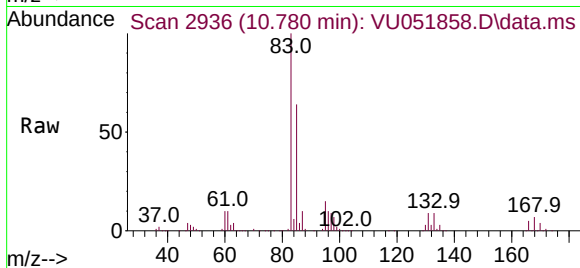
Tgt Ion: 83 Resp: 824461

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

131 9.2 6.8 10.2



#59

Bromoform

Concen: 93.130 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051858.D

Acq: 15 Nov 2022 13:25

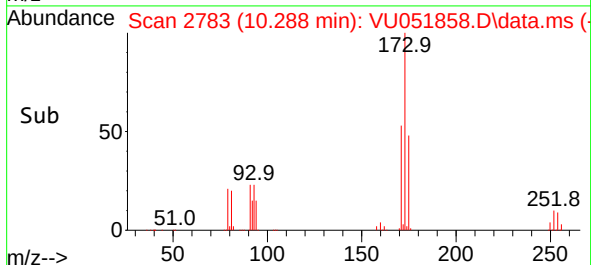
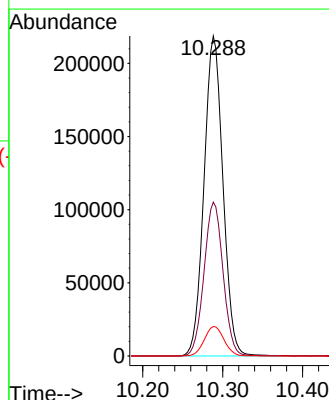
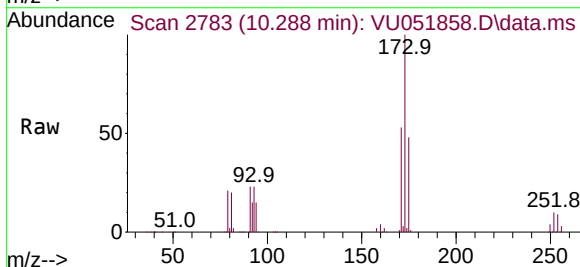
Tgt Ion:173 Resp: 360298

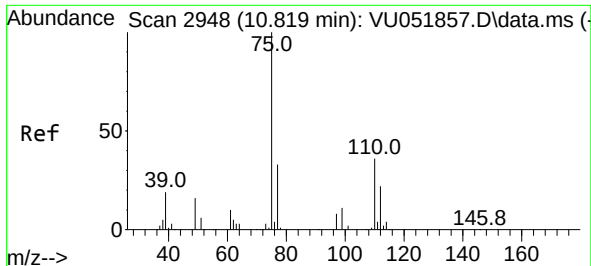
Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

254 9.6 7.4 11.2

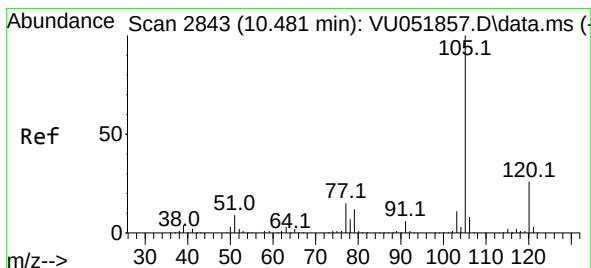
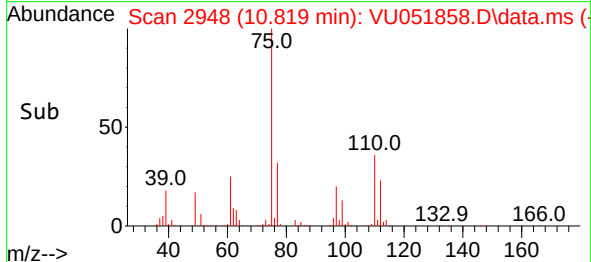
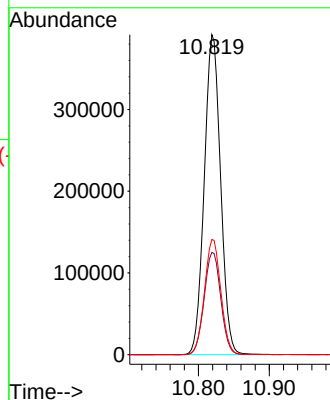
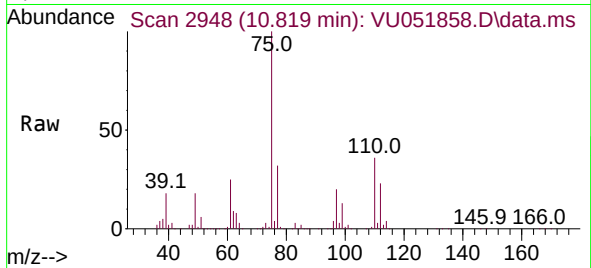




#60
1,2,3-Trichloropropane
Concen: 88.152 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

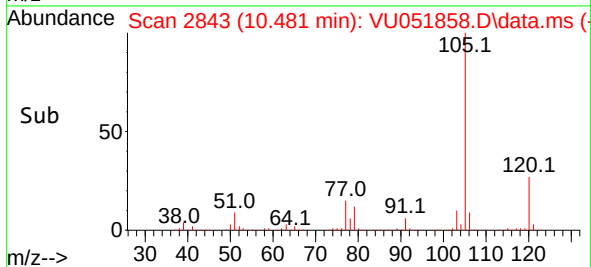
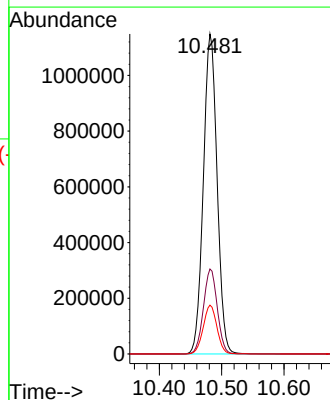
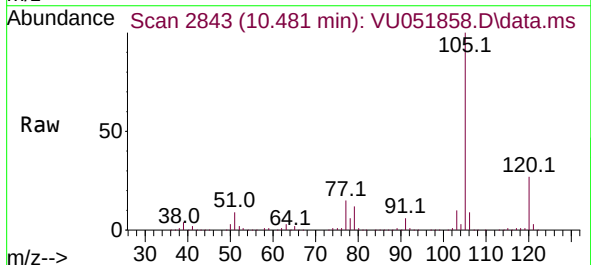
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

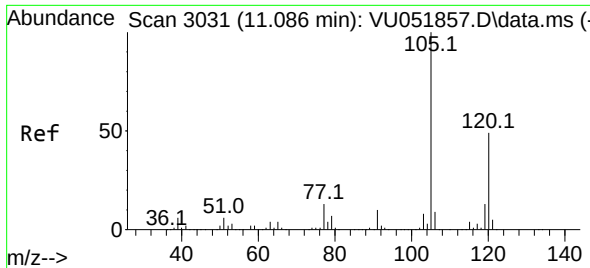
Tgt Ion: 75 Resp: 626075
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.4
110 36.1 29.0 43.4



#61
Isopropylbenzene
Concen: 101.808 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 105 Resp: 1762142
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 15.2 12.2 18.4

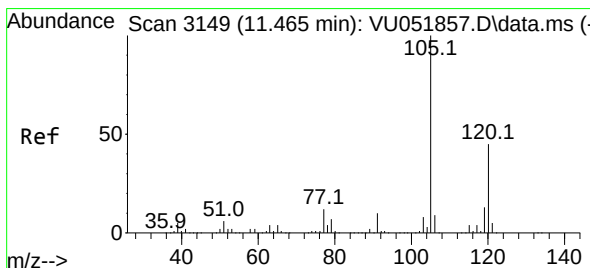
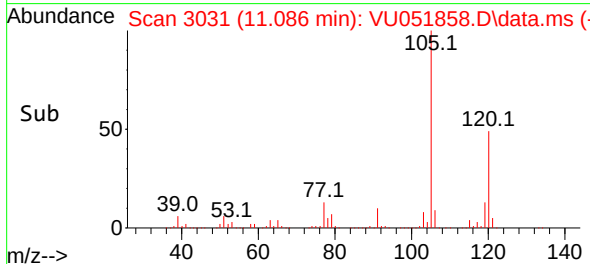
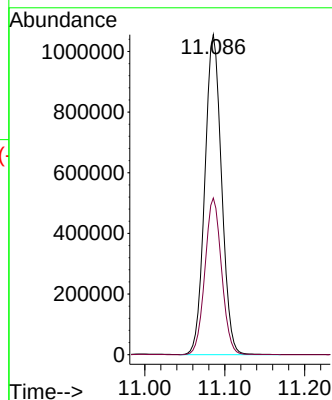
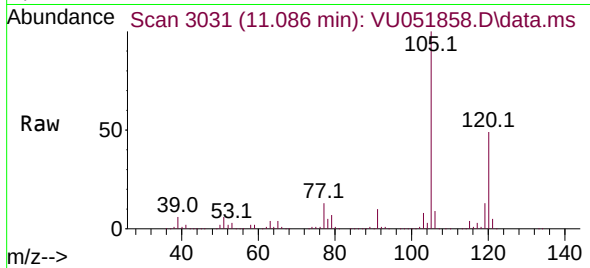




#62
 1,3,5-Trimethylbenzene
 Concen: 105.738 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

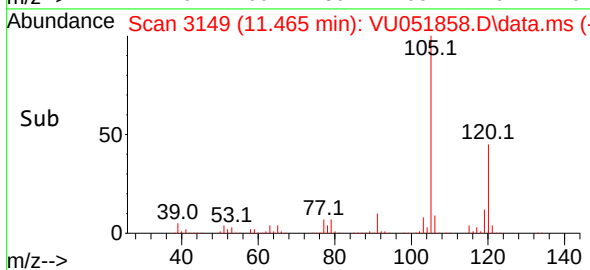
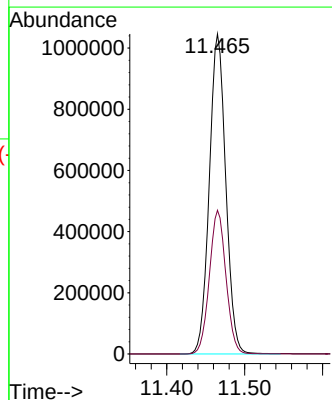
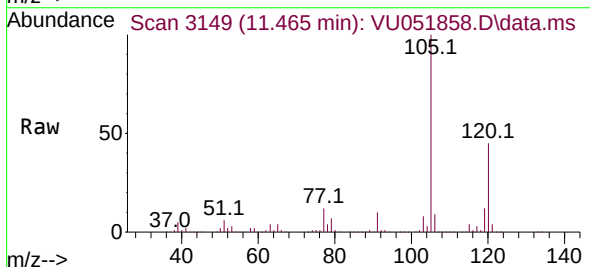
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100052

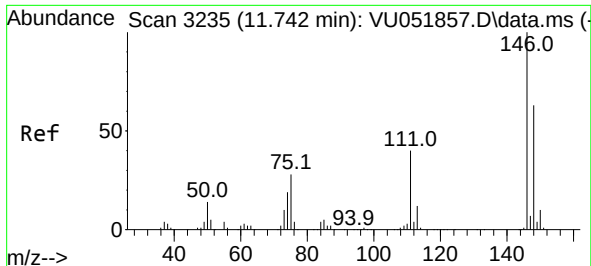
Tgt Ion:105 Resp: 1536859
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 107.224 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

Tgt Ion:105 Resp: 1533051
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.2 54.2

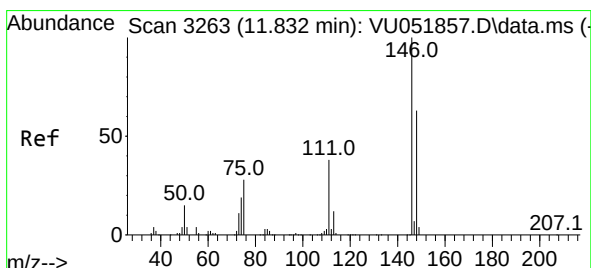
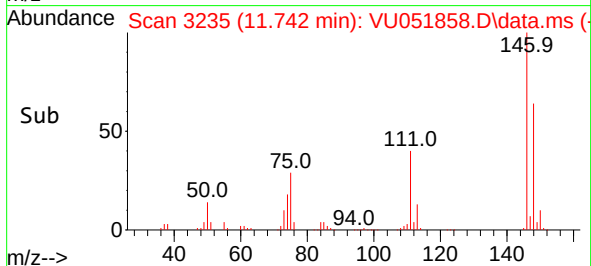
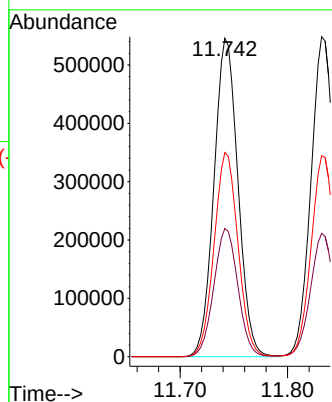
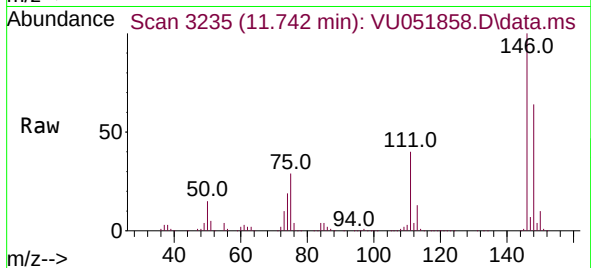




#64
 1,3-Dichlorobenzene
 Concen: 96.019 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

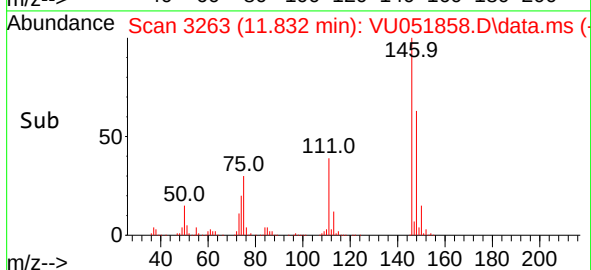
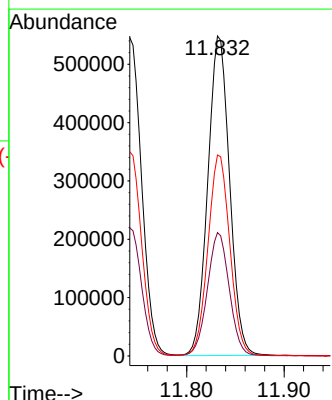
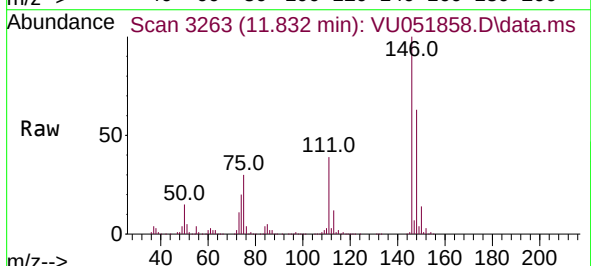
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100052

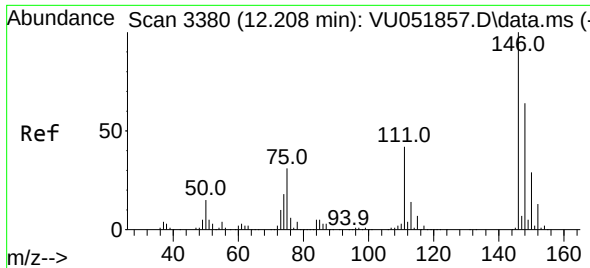
Tgt Ion:146 Resp: 846801
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.1 52.1
 148 64.1 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 93.986 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU051858.D
 Acq: 15 Nov 2022 13:25

Tgt Ion:146 Resp: 850416
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.7 49.5
 148 62.8 44.4 82.4

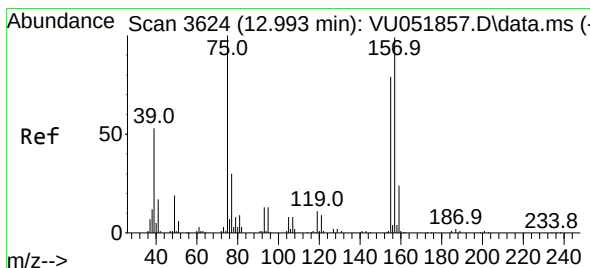
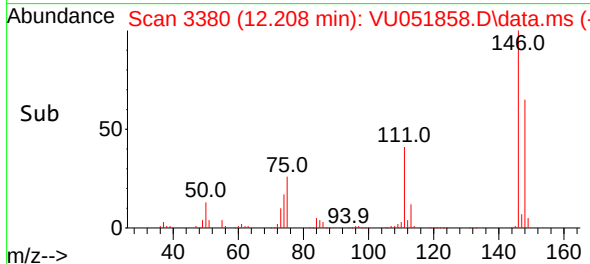
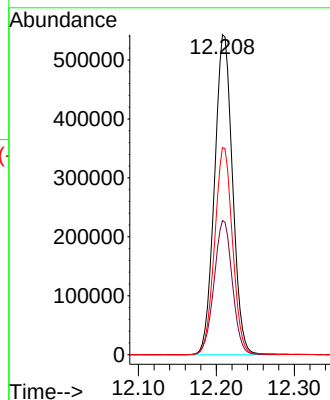
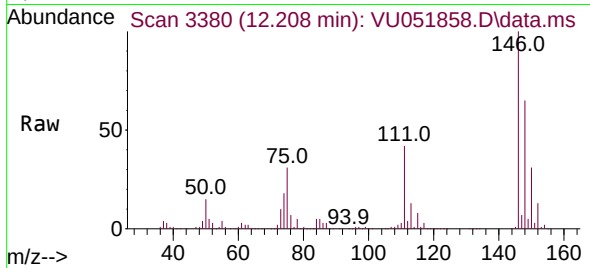




#67
1,2-Dichlorobenzene
Concen: 94.829 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

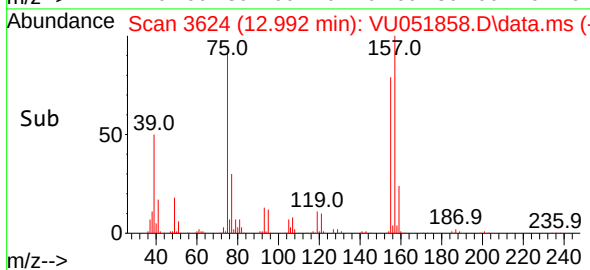
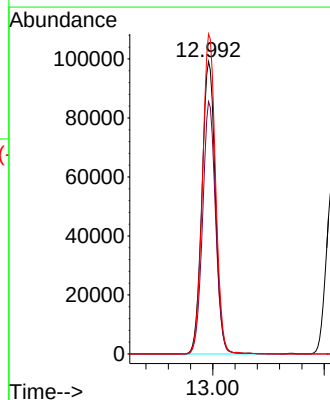
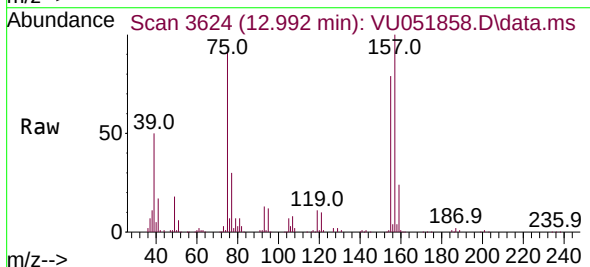
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

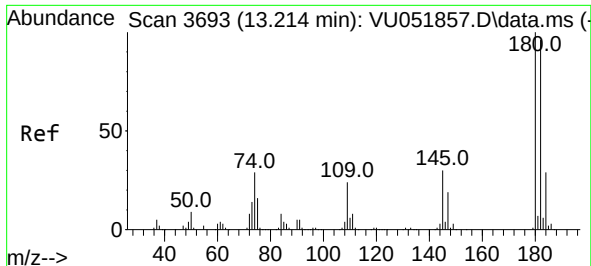
Tgt Ion:146 Resp: 873006
Ion Ratio Lower Upper
146 100
111 41.9 33.6 50.4
148 64.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 86.790 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion: 75 Resp: 165871
Ion Ratio Lower Upper
75 100
155 86.3 63.0 94.6
157 109.4 79.4 119.0

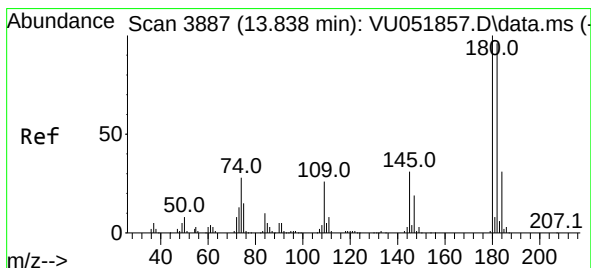
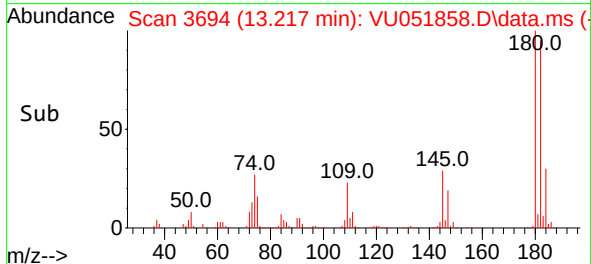
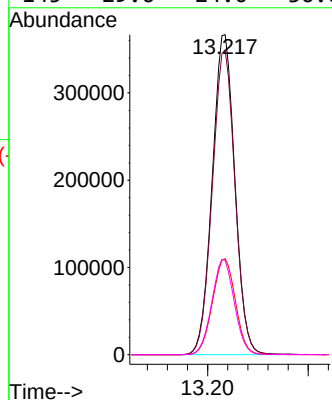
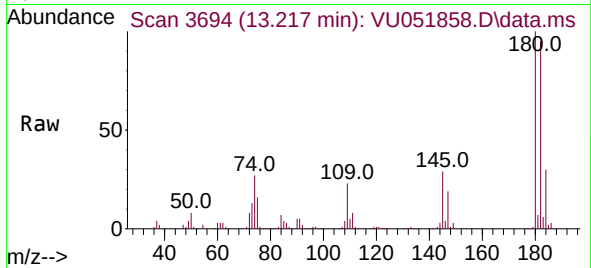




#69
1,3,5-Trichlorobenzene
Concen: 96.735 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

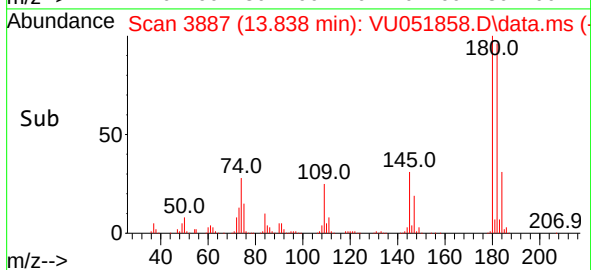
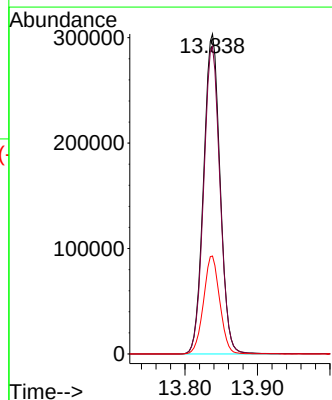
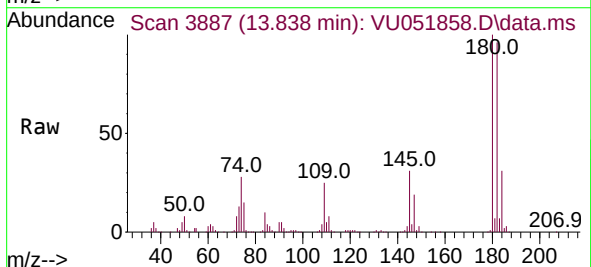
Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

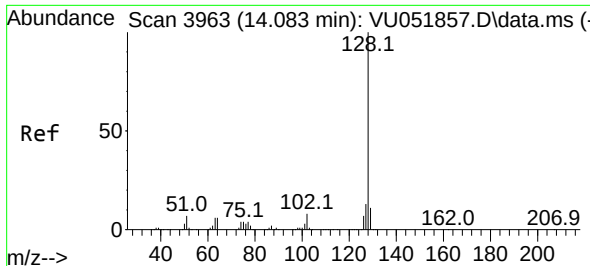
Tgt Ion:180 Resp: 572625
Ion Ratio Lower Upper
180 100
182 95.4 77.0 115.4
184 30.3 23.8 35.8
145 29.6 24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 104.779 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion:180 Resp: 479187
Ion Ratio Lower Upper
180 100
182 95.4 76.4 114.6
145 30.2 24.2 36.2

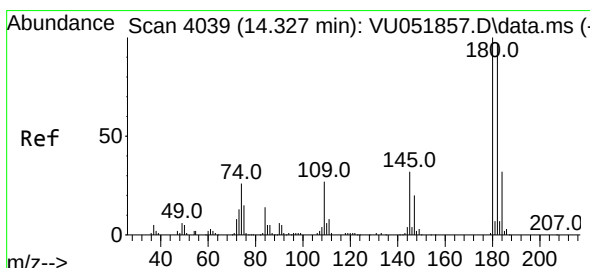
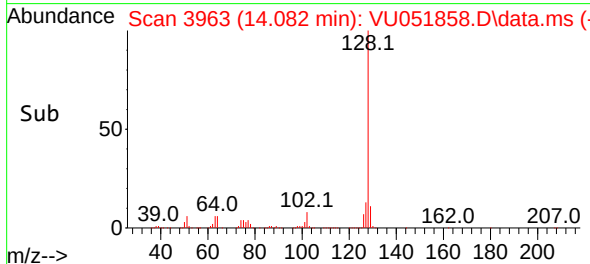
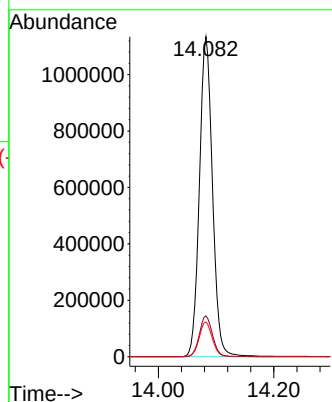
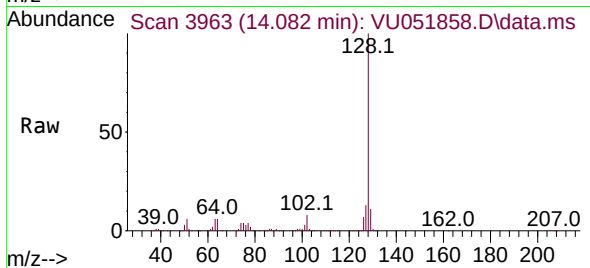




#71
Naphthalene
Concen: 120.483 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD100052

Tgt Ion:128 Resp: 1779828
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 108.083 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051858.D
Acq: 15 Nov 2022 13:25

Tgt Ion:180 Resp: 529253
Ion Ratio Lower Upper
180 100
182 95.9 76.9 115.3
145 32.2 24.9 37.3

