

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051906.D
 Acq On : 18 Nov 2022 15:33
 Operator : JC/MD
 Sample : VSTD00570
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005070

Quant Time: Nov 18 22:00:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 21:59:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	255811	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	255535	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131677	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	131087	5.268	ug/L	0.00
7) Chloroethane-d5	1.913	69	98965	5.121	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	44719	5.014	ug/L	0.00
20) 2-Butanone-d5	4.636	46	241870	53.278	ug/L	0.00
24) Chloroform-d	5.064	84	190163	5.201	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	92594	5.014	ug/L	0.00
32) Benzene-d6	5.726	84	401196	5.288	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	122017	5.197	ug/L	0.00
41) Toluene-d8	7.896	98	368999	5.376	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	44643	5.218	ug/L	0.00
46) 2-Hexanone-d5	8.633	63	201831	55.666	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	105182	5.167	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	122469	4.858	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	113238	5.104	ug/L	100
3) Chloromethane	1.523	50	147775	5.104	ug/L	100
5) Vinyl chloride	1.604	62	143312	5.151	ug/L	100
6) Bromomethane	1.858	94	71241	4.990	ug/L	100
8) Chloroethane	1.935	64	85493	4.942	ug/L	100
9) Trichlorofluoromethane	2.138	101	155562	5.083	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	94599	5.056	ug/L	100
12) 1,1-Dichloroethene	2.578	96	95570	5.150	ug/L	100
13) Acetone	2.649	43	167636	54.733	ug/L	100
14) Carbon disulfide	2.794	76	327080	5.092	ug/L	100
15) Methyl Acetate	2.958	43	40580	5.108	ug/L	100
16) Methylene chloride	3.044	84	119101	4.744	ug/L	100
17) Methyl tert-butyl Ether	3.363	73	213474	5.139	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	100922	5.073	ug/L	100
19) 1,1-Dichloroethane	3.867	63	184848	5.156	ug/L	100
21) 2-Butanone	4.716	43	264645	53.930	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	109000	5.221	ug/L	100
23) Bromochloromethane	4.973	128	52021	5.208	ug/L	100
25) Chloroform	5.086	83	189407	5.214	ug/L	100
27) 1,2-Dichloroethane	5.793	62	114093	5.128	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	148207	5.228	ug/L	100
30) Cyclohexane	5.385	56	141530	5.141	ug/L	100
31) Carbon tetrachloride	5.523	117	126477	5.250	ug/L	100
33) Benzene	5.771	78	439205	5.281	ug/L	100
34) Trichloroethene	6.539	95	105676	5.095	ug/L	100
35) Methylcyclohexane	6.761	83	152317	5.105	ug/L	100
37) 1,2-Dichloropropane	6.790	63	113183	5.256	ug/L	100
38) Bromodichloromethane	7.105	83	136148	5.186	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	143995	5.209	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	617585	54.909	ug/L	100
42) Toluene	7.967	91	464327	5.428	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	124527	5.260	ug/L	100

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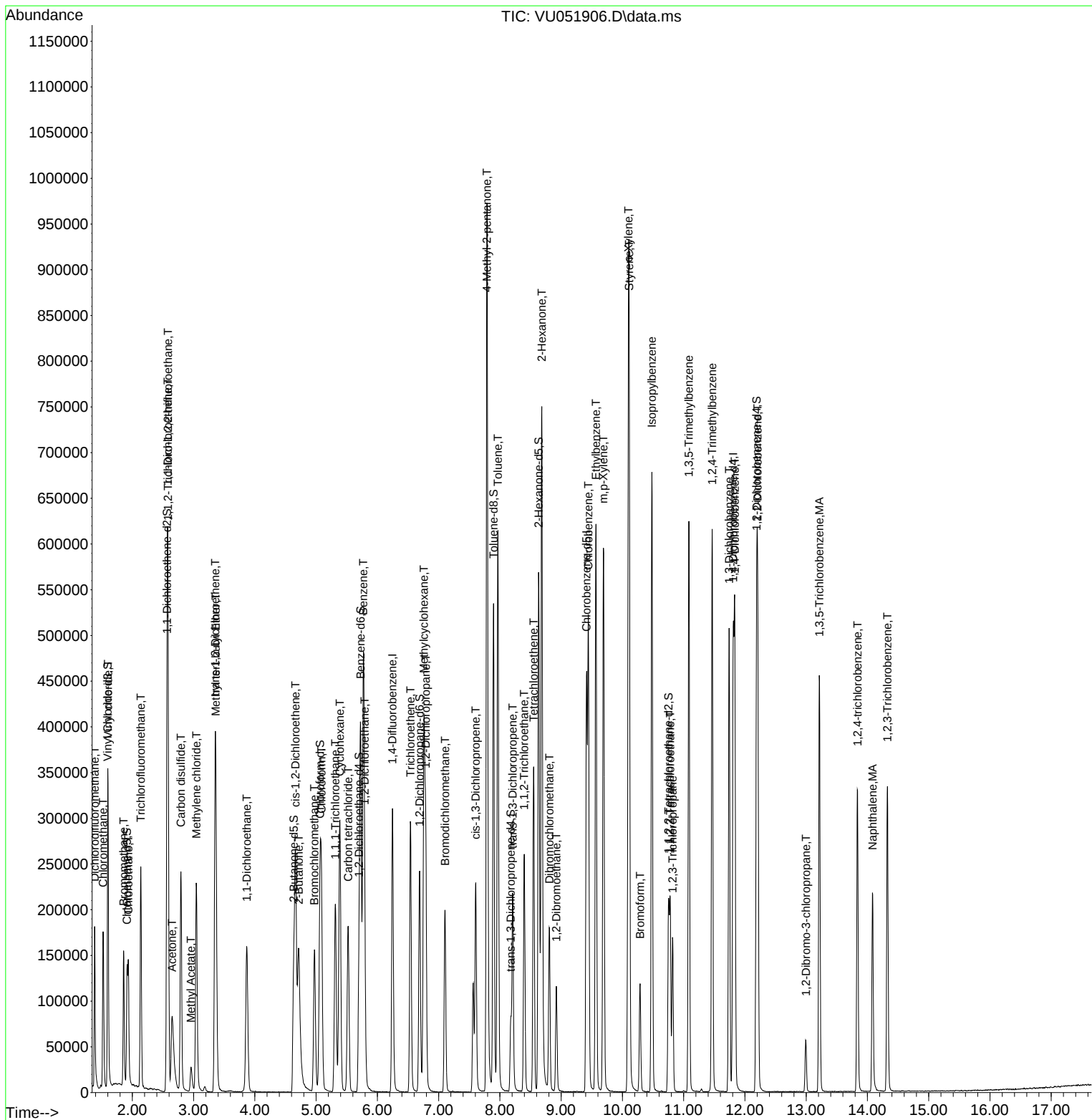
Instrument :
 MSVOA_U
 ClientSampleId :
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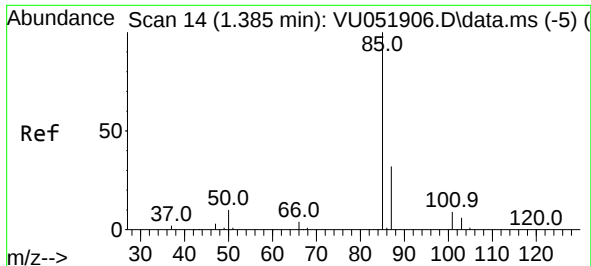
Quant Time: Nov 18 22:00:36 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 21:59:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	84752	5.238	ug/L	100
47) Tetrachloroethene	8.552	164	82667	5.200	ug/L	100
48) 2-Hexanone	8.684	43	465949	56.225	ug/L	100
49) Dibromochloromethane	8.809	129	96427	5.321	ug/L	100
50) 1,2-Dibromoethane	8.922	107	77157	5.235	ug/L	100
51) Chlorobenzene	9.443	112	281343	5.159	ug/L	100
52) Ethylbenzene	9.568	91	443021	5.327	ug/L	100
53) m,p-Xylene	9.690	106	179706	5.580	ug/L	100
54) o-Xylene	10.099	106	170742	5.532	ug/L	100
55) Styrene	10.112	104	295187	5.662	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	107681	5.328	ug/L	100
59) Bromoform	10.288	173	54892	5.061	ug/L	100
60) Isopropylbenzene	10.481	105	434225	5.250	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	74658	4.954	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	341291	5.162	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	342277	5.215	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	213104	5.046	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	213510	5.069	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	204811	5.036	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	15784	4.786	ug/L	100
69) 1,3,5-Trichlorobenzene	13.218	180	145066	4.844	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	105881	4.643	ug/L	100
71) Naphthalene	14.086	128	187289	4.374	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	106595	4.751	ug/L	100

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

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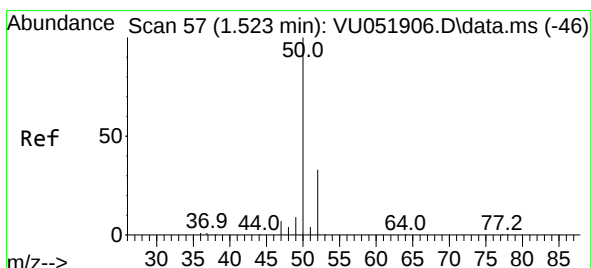
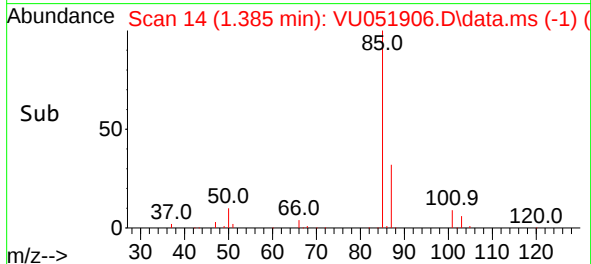
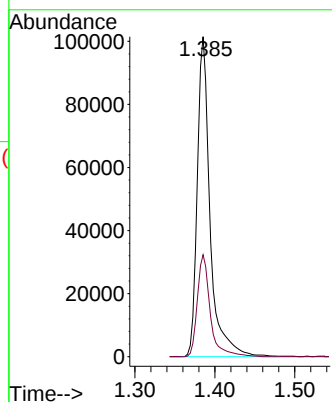
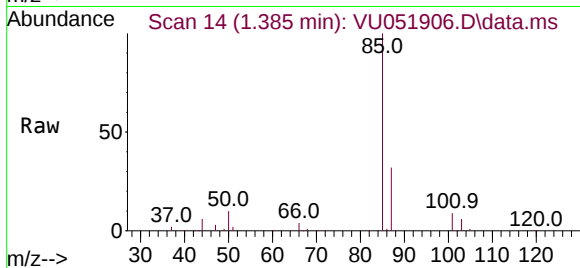




#2
Dichlorodifluoromethane
Concen: 5.104 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

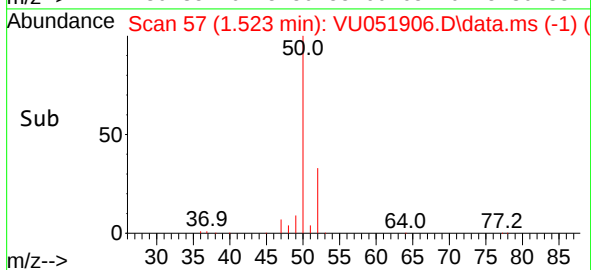
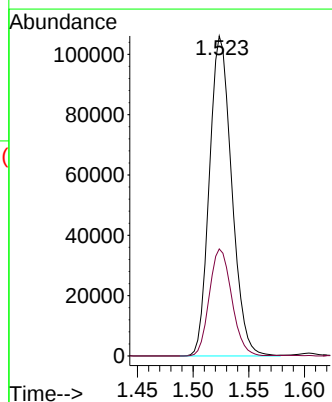
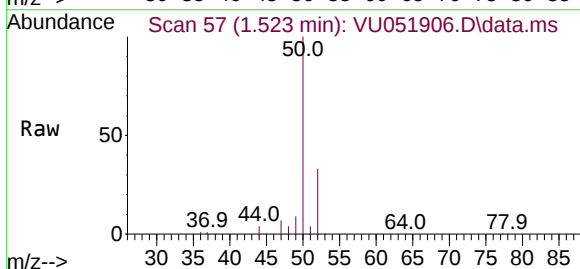
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

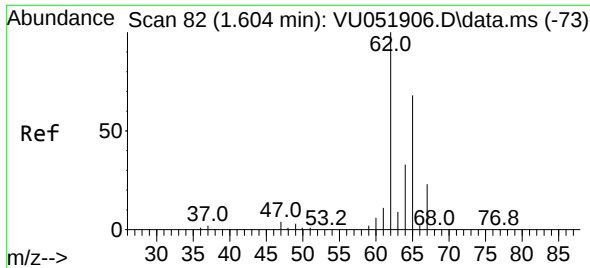
Tgt Ion: 85 Resp: 113238
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 5.104 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 50 Resp: 147775
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4

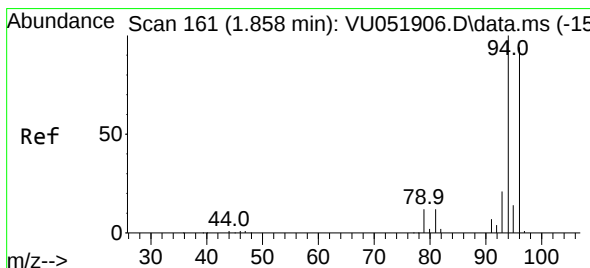
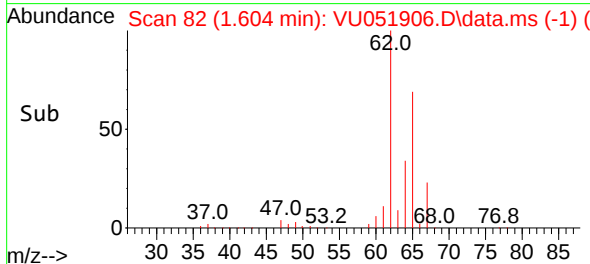
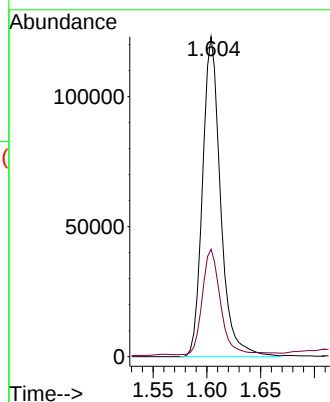
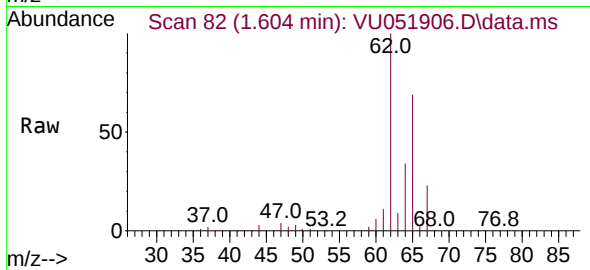




#5
 Vinyl chloride
 Concen: 5.151 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

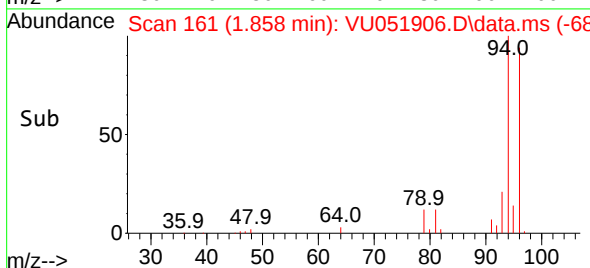
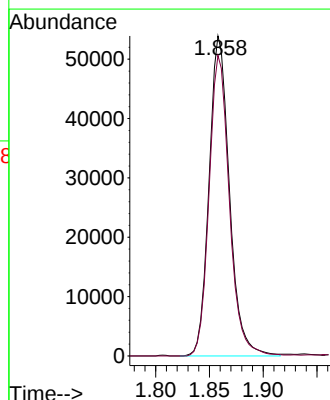
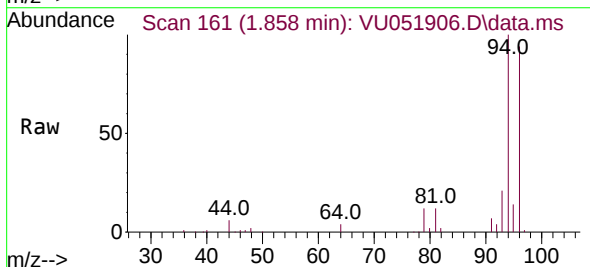
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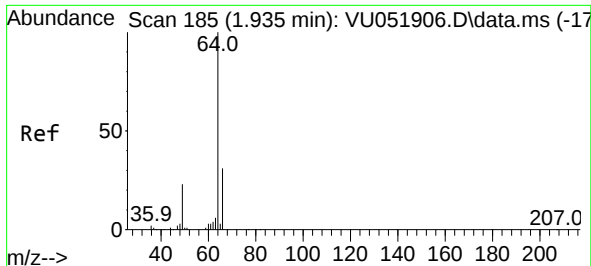
Tgt Ion: 62 Resp: 143312
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.5 43.7



#6
 Bromomethane
 Concen: 4.990 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

Tgt Ion: 94 Resp: 71241
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.7 122.1

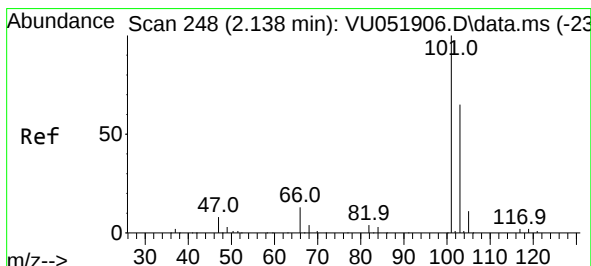
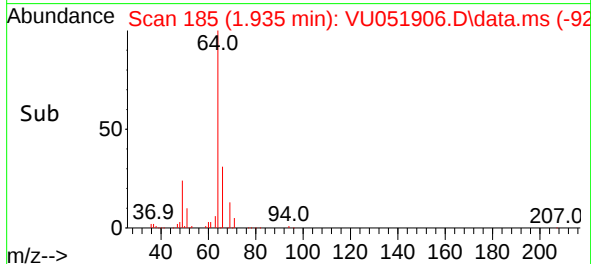
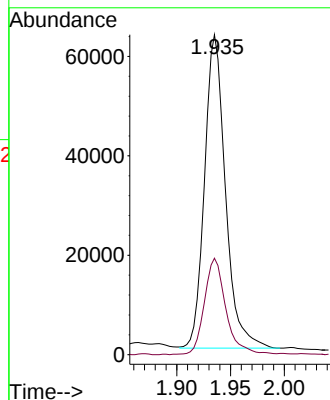
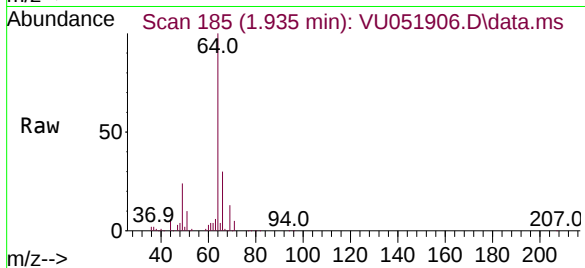




#8
Chloroethane
Concen: 4.942 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

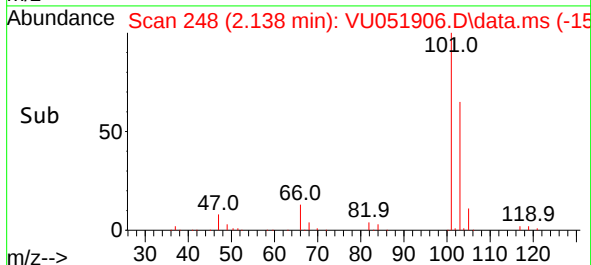
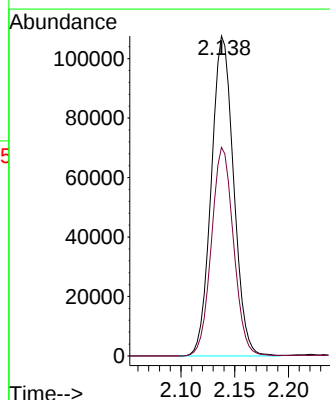
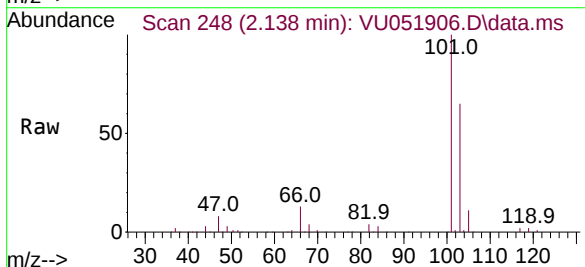
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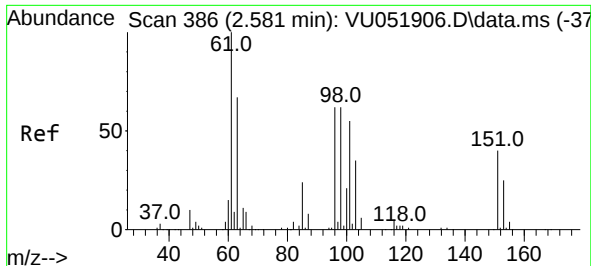
Tgt Ion: 64 Resp: 85493
Ion Ratio Lower Upper
64 100
66 30.1 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.083 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion:101 Resp: 155562
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

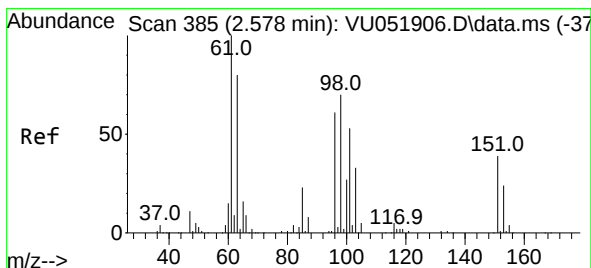
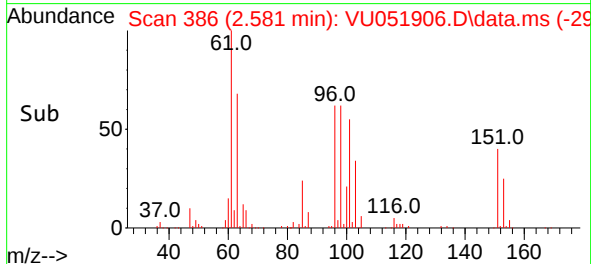
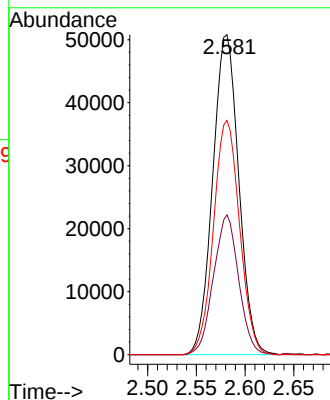
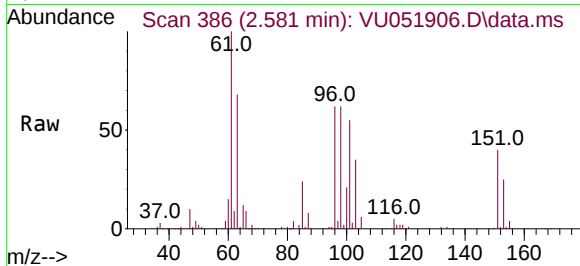




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.056 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

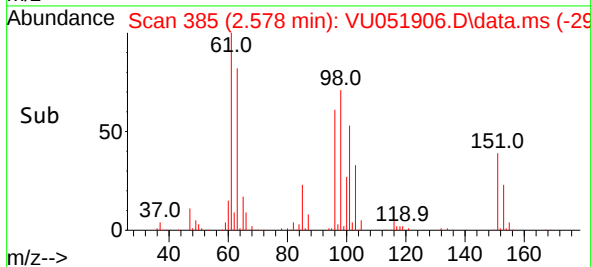
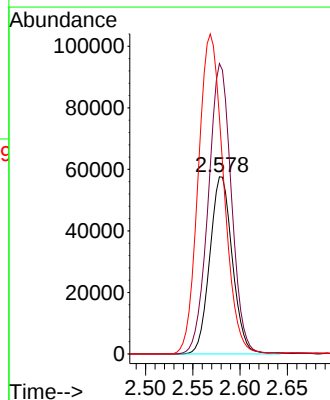
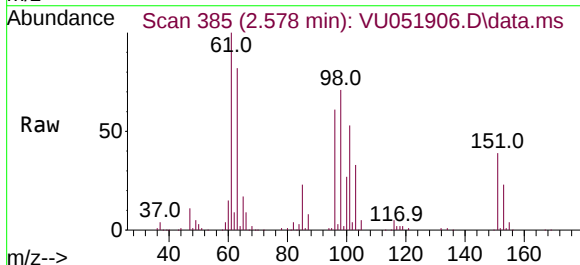
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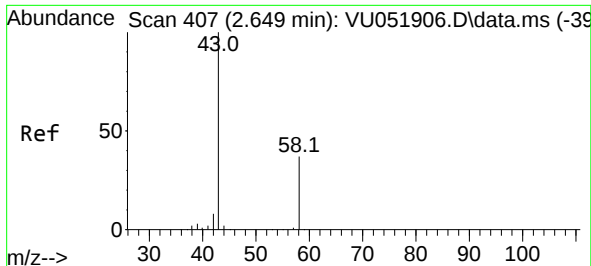
Tgt Ion:101 Resp: 94599
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.8 50.6
 151 73.3 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.150 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

Tgt Ion: 96 Resp: 95570
 Ion Ratio Lower Upper
 96 100
 61 164.0 114.8 213.2
 63 133.9 93.7 174.1





#13

Acetone

Concen: 54.733 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

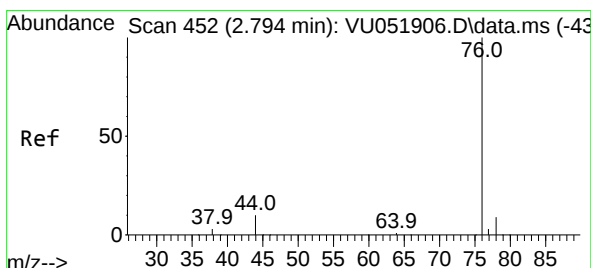
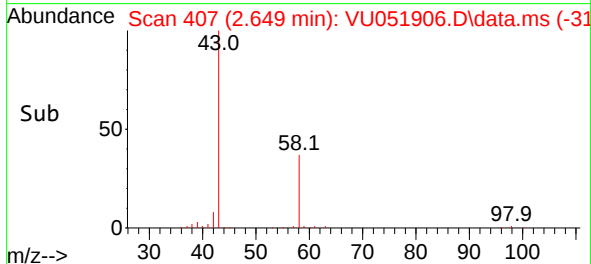
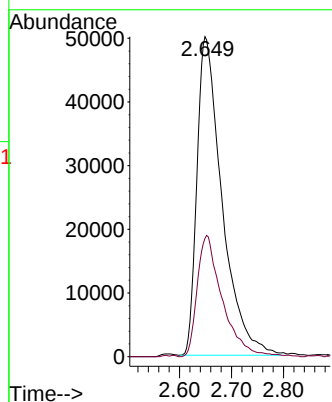
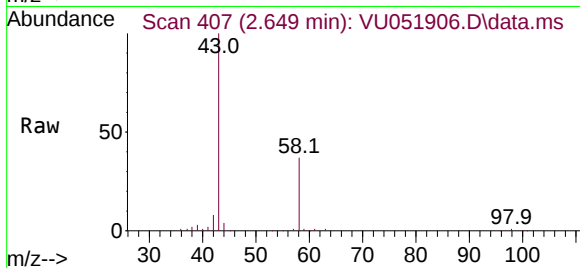
VSTD005070

Tgt Ion: 43 Resp: 167636

Ion Ratio Lower Upper

43 100

58 38.0 0.0 76.0



#14

Carbon disulfide

Concen: 5.092 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU051906.D

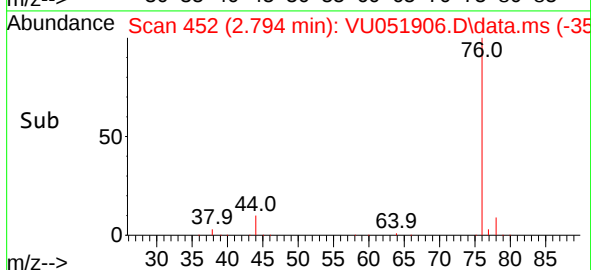
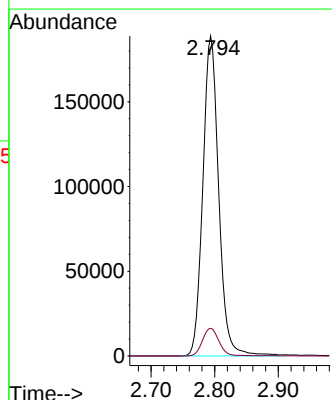
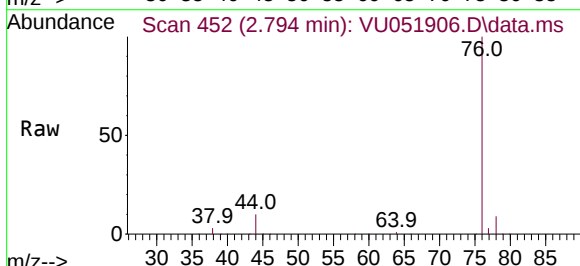
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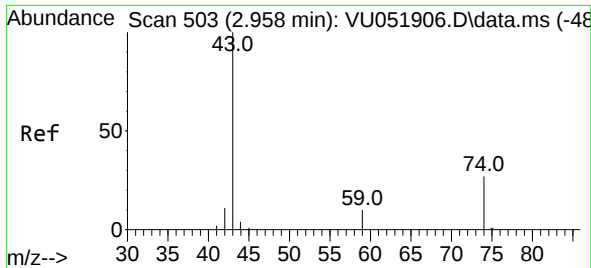
Tgt Ion: 76 Resp: 327080

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

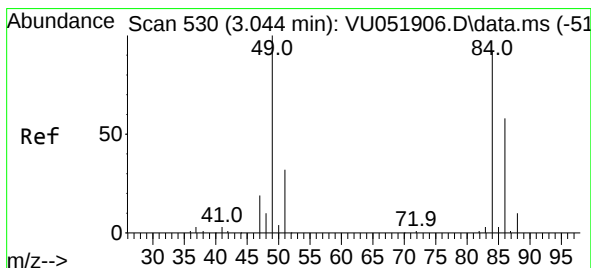
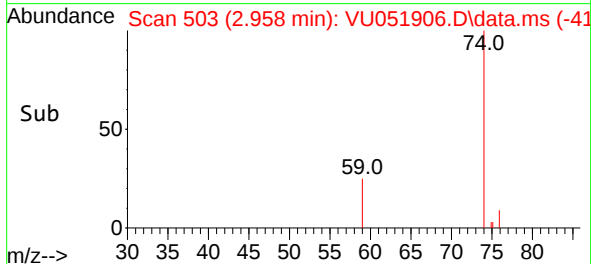
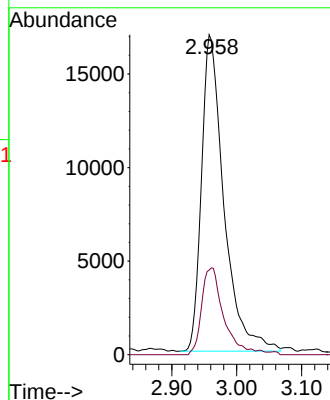
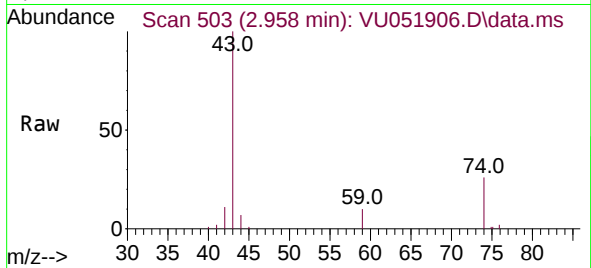




#15
Methyl Acetate
Concen: 5.108 ug/L
RT: 2.958 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

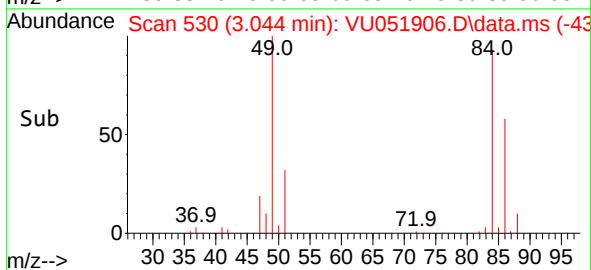
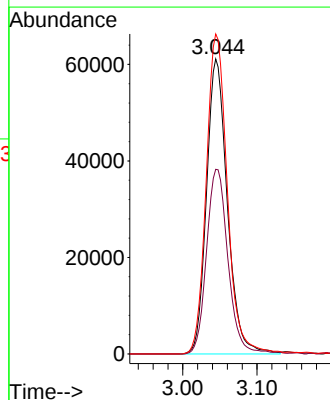
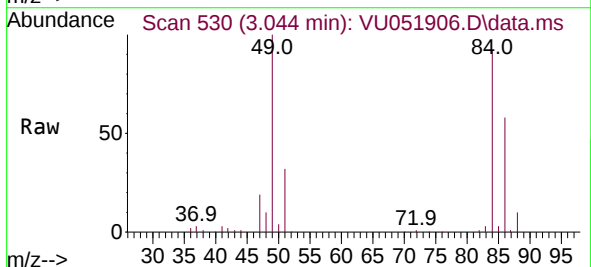
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

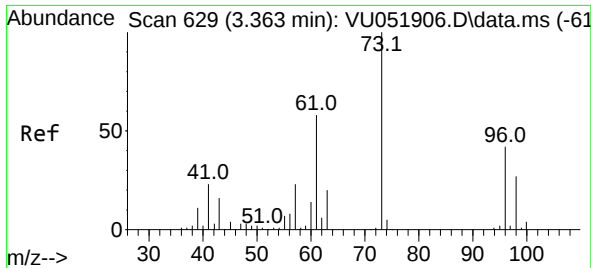
Tgt Ion: 43 Resp: 40580
Ion Ratio Lower Upper
43 100
74 26.6 21.3 31.9



#16
Methylene chloride
Concen: 4.744 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 84 Resp: 119101
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.4
49 108.5 75.9 141.1

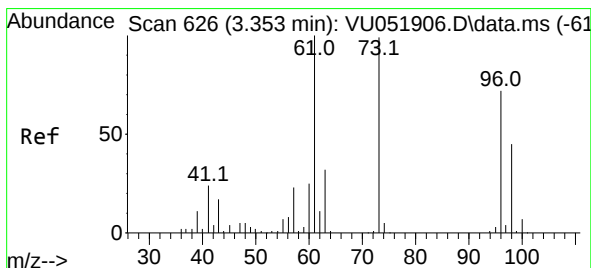
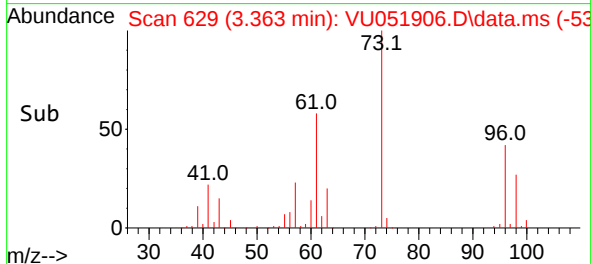
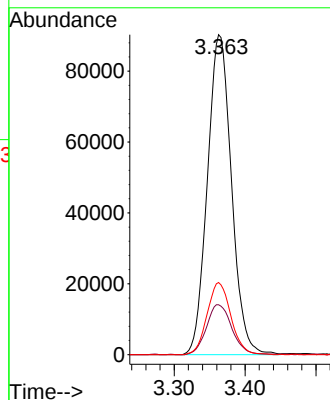
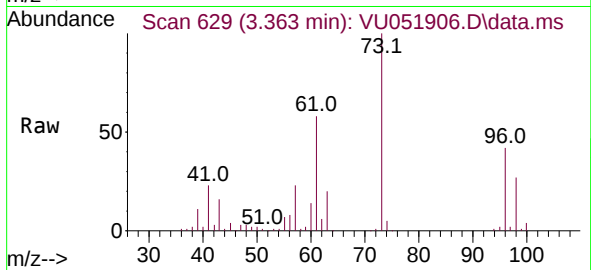




#17
Methyl tert-butyl Ether
Concen: 5.139 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

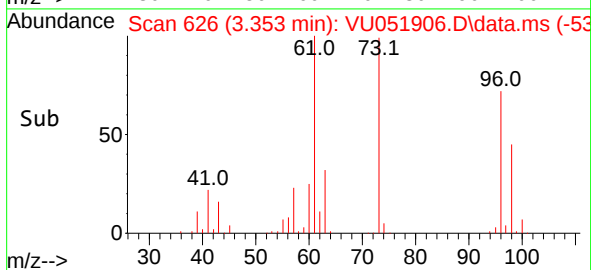
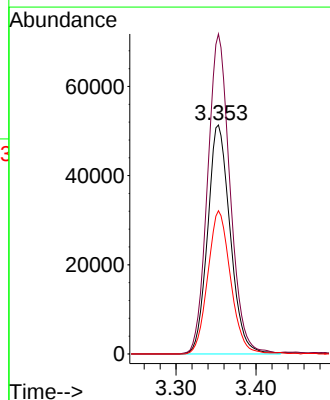
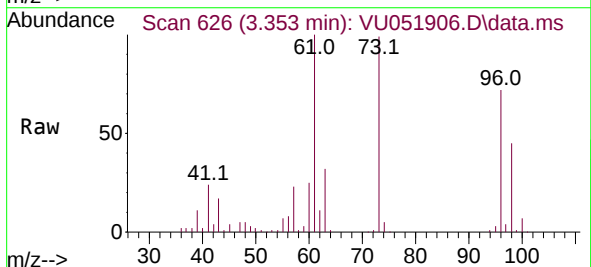
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

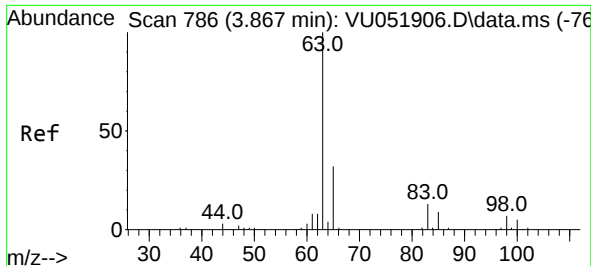
Tgt Ion: 73 Resp: 213474
Ion Ratio Lower Upper
73 100
43 16.5 13.2 19.8
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.073 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 96 Resp: 100922
Ion Ratio Lower Upper
96 100
61 139.8 97.9 181.7
98 62.5 43.8 81.3

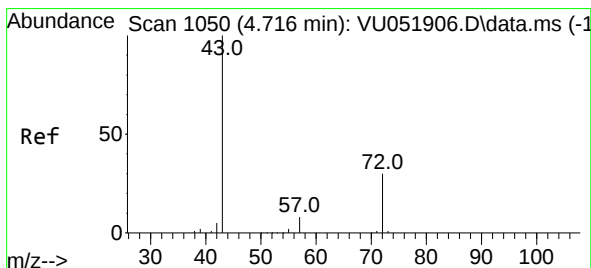
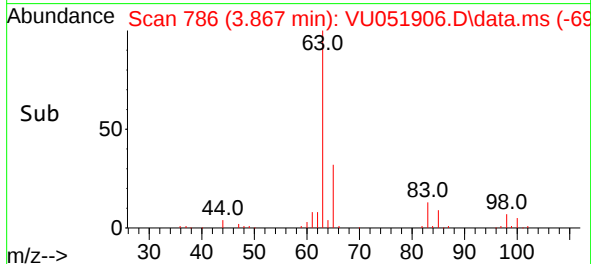
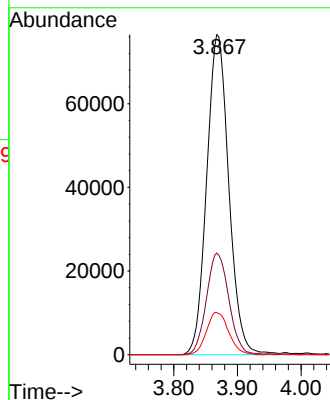
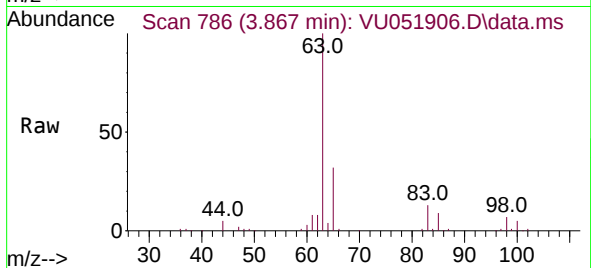




#19
1,1-Dichloroethane
Concen: 5.156 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

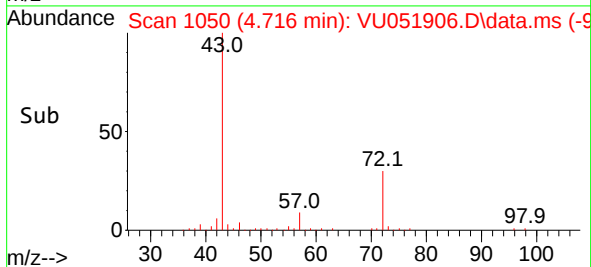
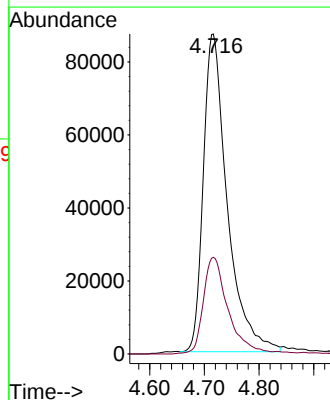
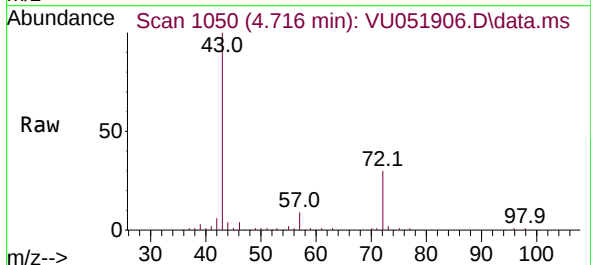
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

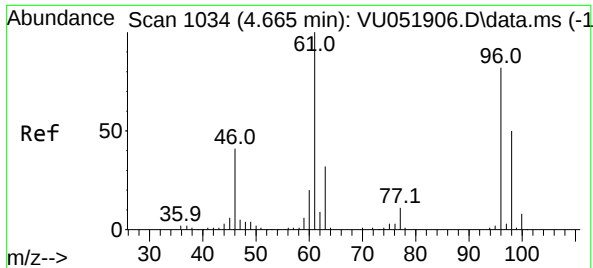
Tgt Ion: 63 Resp: 184848
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 13.1 9.2 17.0



#21
2-Butanone
Concen: 53.930 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 43 Resp: 264645
Ion Ratio Lower Upper
43 100
72 31.2 15.6 46.8





#22

cis-1,2-Dichloroethene

Concen: 5.221 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005070

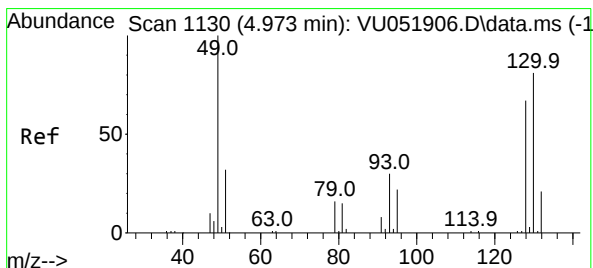
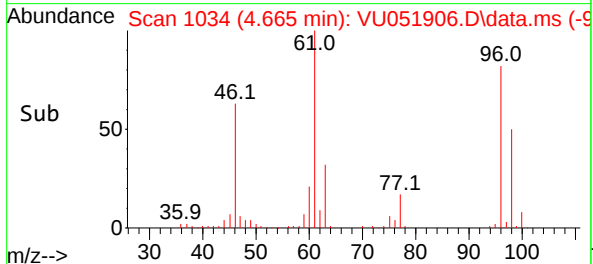
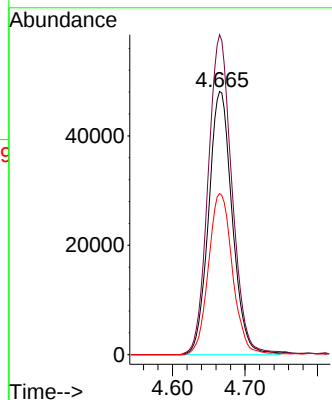
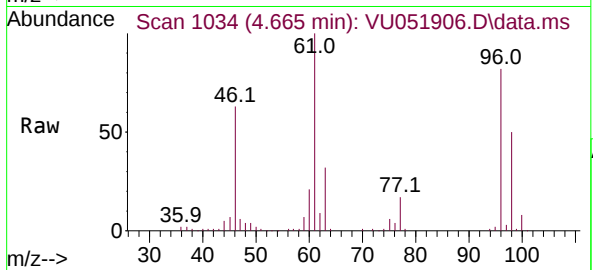
Tgt Ion: 96 Resp: 109000

Ion Ratio Lower Upper

96 100

61 121.6 85.1 158.1

98 61.2 42.8 79.6



#23

Bromochloromethane

Concen: 5.208 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Tgt Ion: 128 Resp: 52021

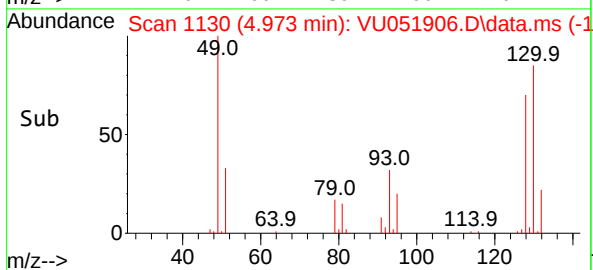
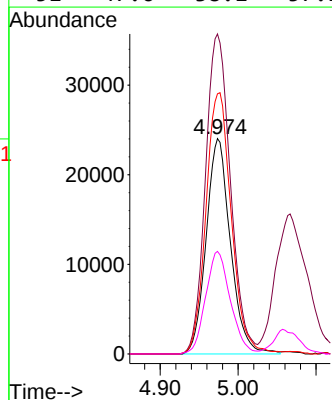
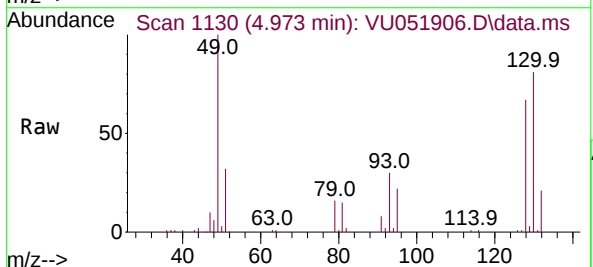
Ion Ratio Lower Upper

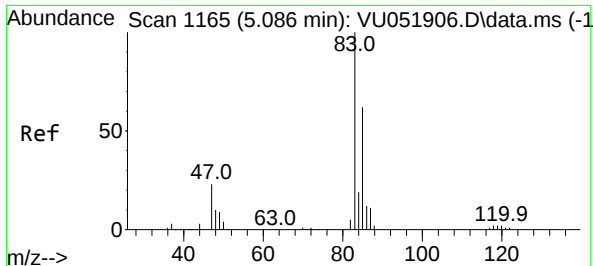
128 100

49 148.6 104.0 193.2

130 120.9 84.6 157.2

51 47.6 38.1 57.1





#25

Chloroform

Concen: 5.214 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

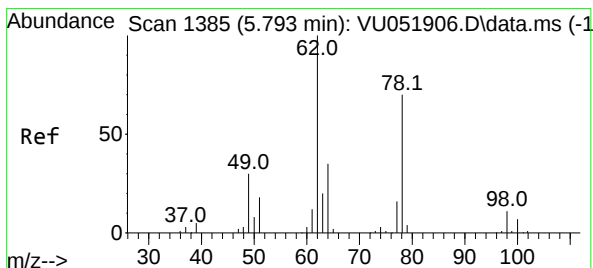
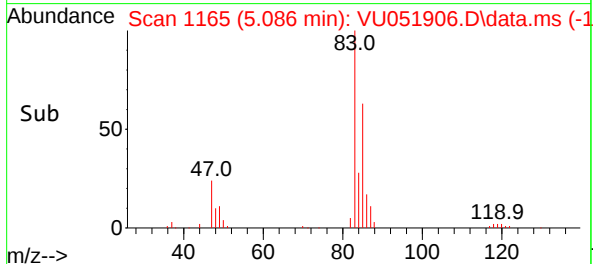
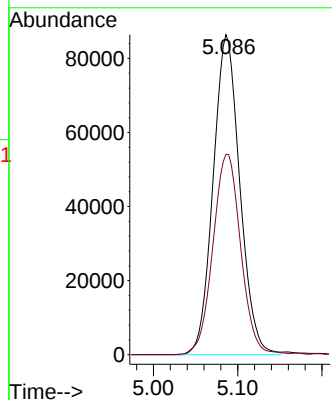
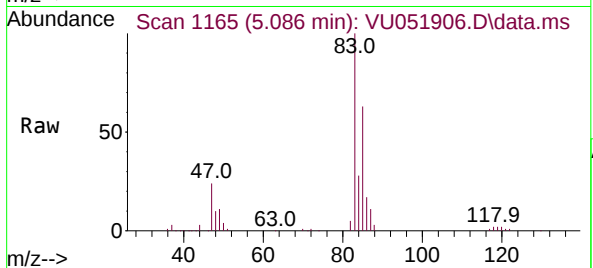
VSTD005070

Tgt Ion: 83 Resp: 189407

Ion Ratio Lower Upper

83 100

85 62.6 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.128 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051906.D

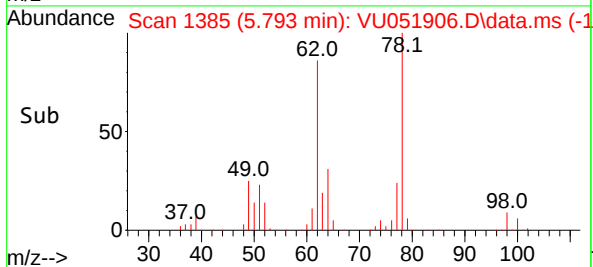
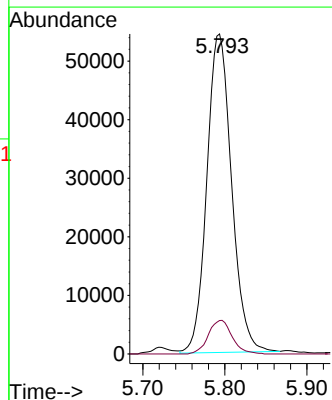
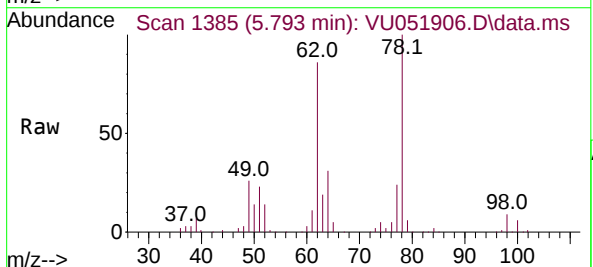
Acq: 18 Nov 2022 15:33

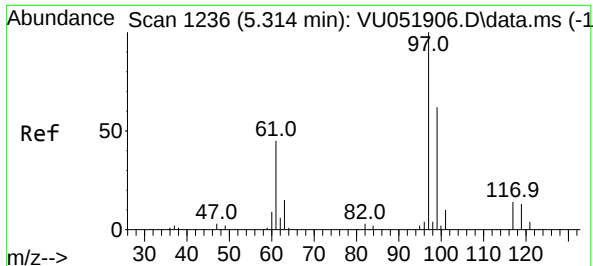
Tgt Ion: 62 Resp: 114093

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6

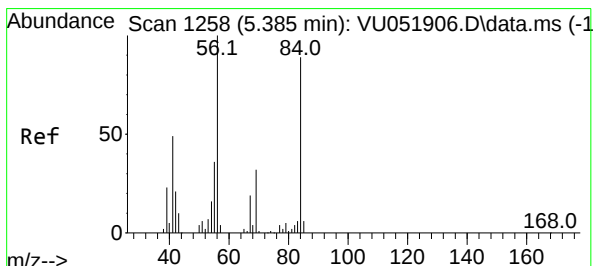
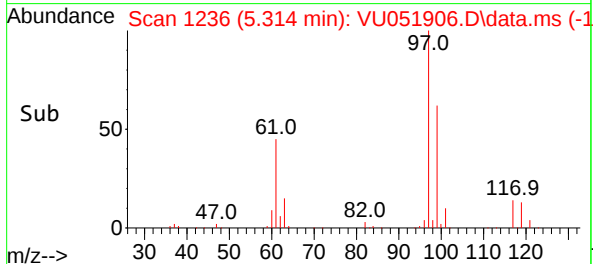
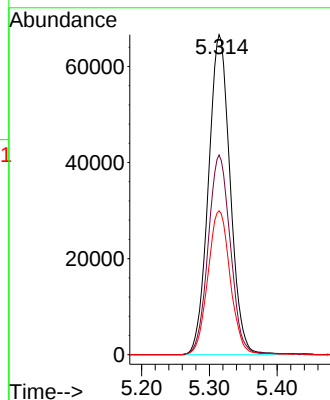
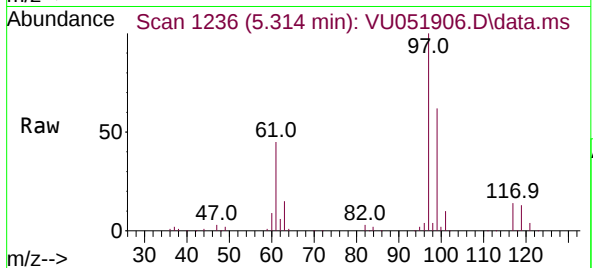




#29
1,1,1-Trichloroethane
Concen: 5.228 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

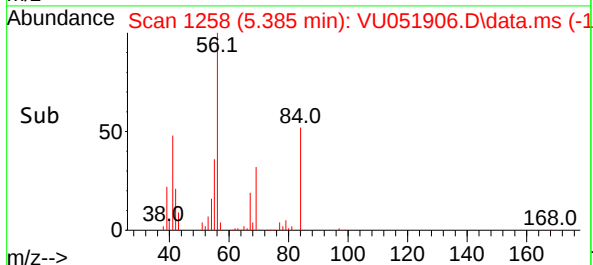
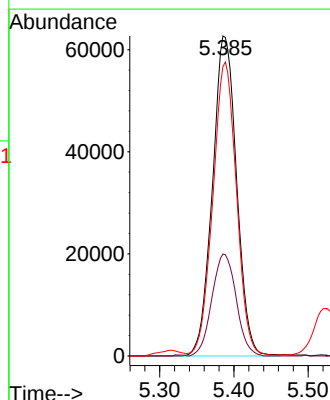
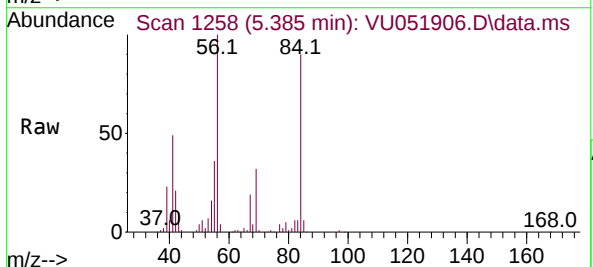
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

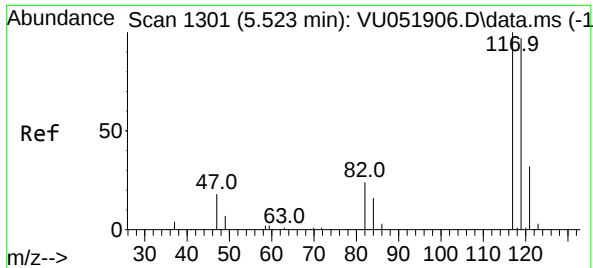
Tgt Ion: 97 Resp: 148207
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 46.1 36.9 55.3



#30
Cyclohexane
Concen: 5.141 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 56 Resp: 141530
Ion Ratio Lower Upper
56 100
69 32.0 25.6 38.4
84 90.0 72.0 108.0

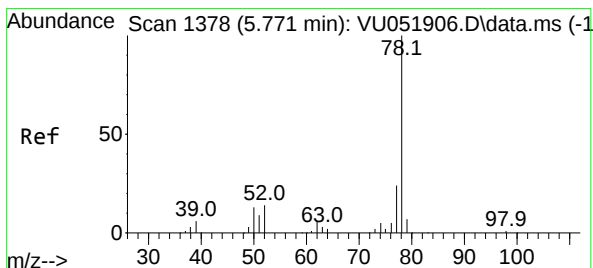
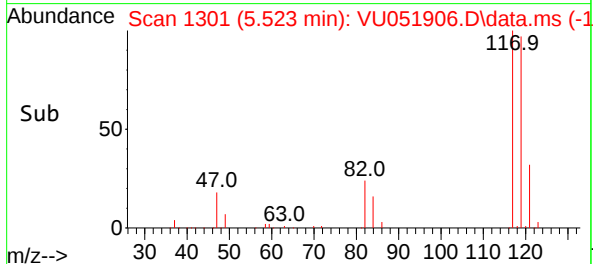
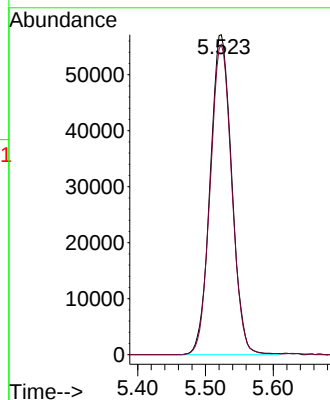
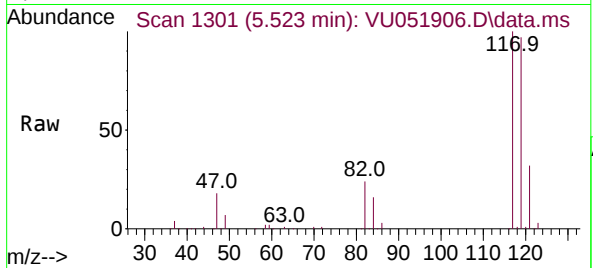




#31
Carbon tetrachloride
Concen: 5.250 ug/L
RT: 5.523 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

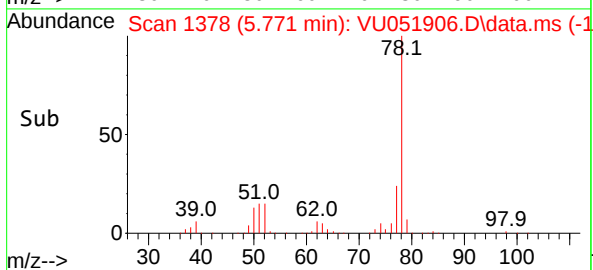
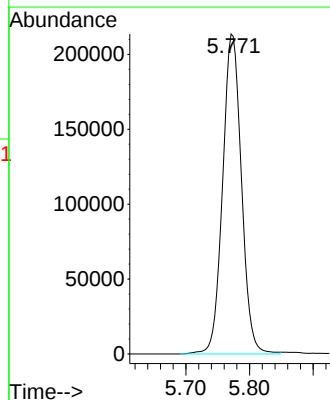
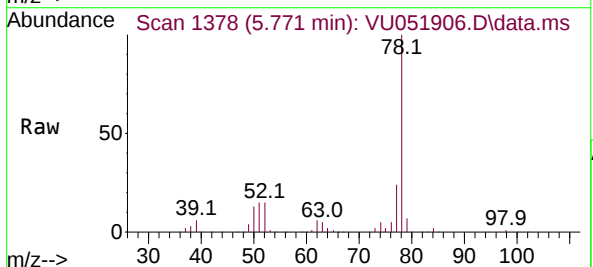
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

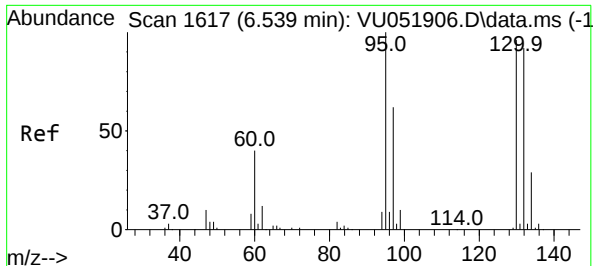
Tgt Ion:117 Resp: 126477
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 5.281 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 78 Resp: 439205

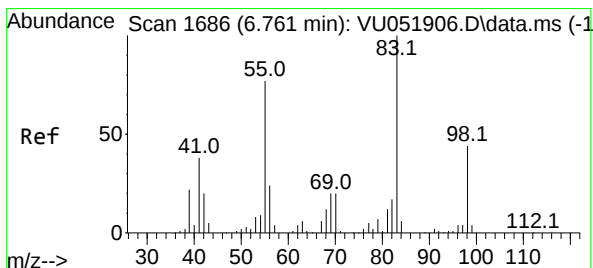
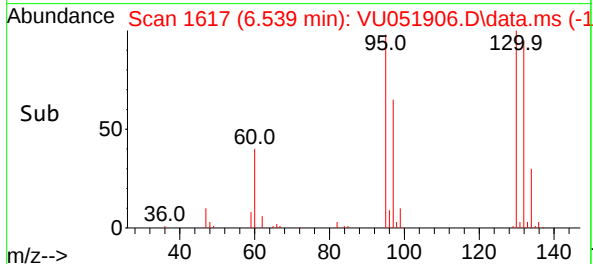
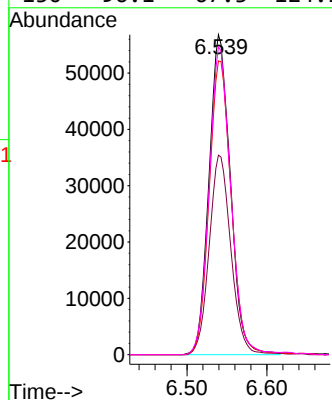
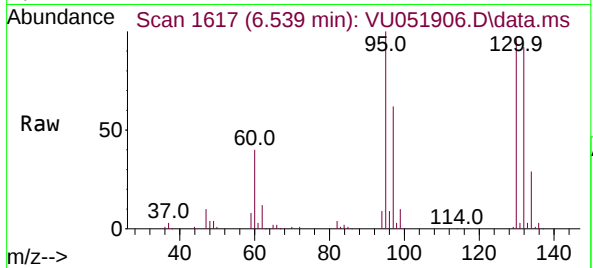




#34
Trichloroethene
Concen: 5.095 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

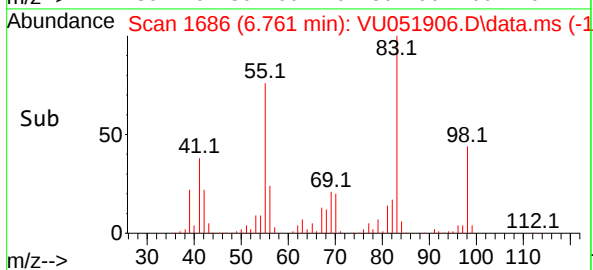
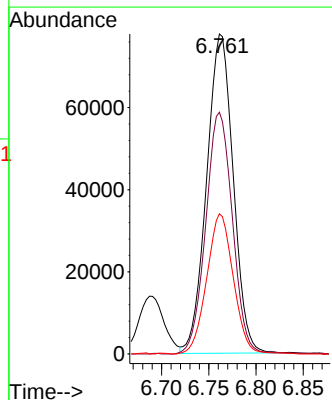
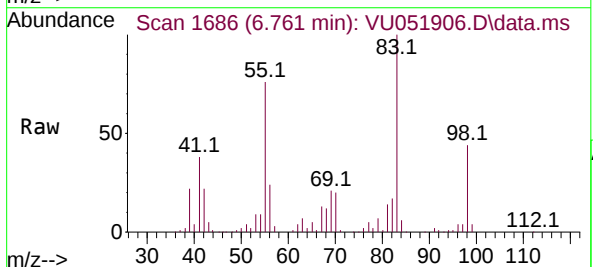
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

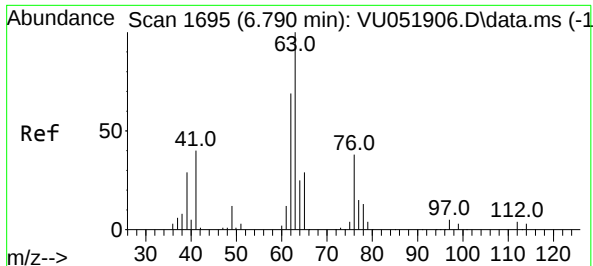
Tgt Ion: 95 Resp: 105676
Ion Ratio Lower Upper
95 100
97 62.4 43.7 81.1
132 91.8 64.3 119.3
130 96.1 67.3 124.9



#35
Methylcyclohexane
Concen: 5.105 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 83 Resp: 152317
Ion Ratio Lower Upper
83 100
55 76.0 60.8 91.2
98 43.9 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.256 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

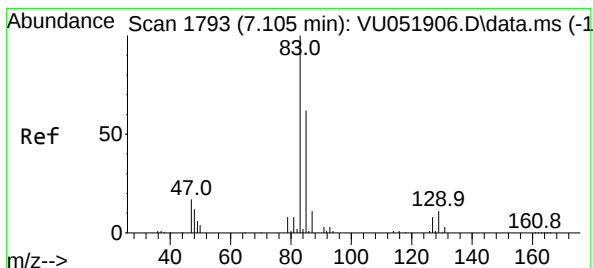
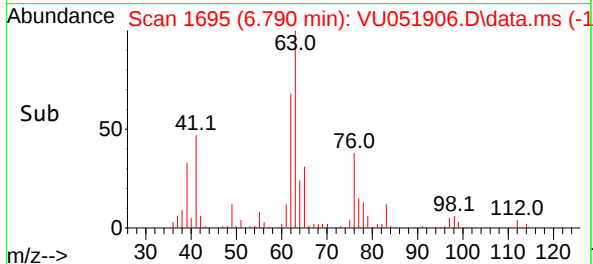
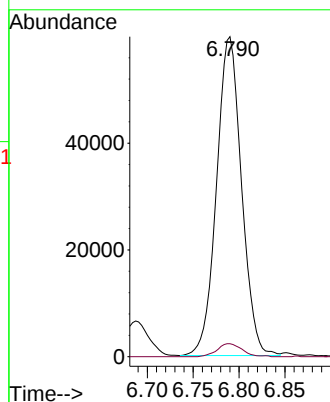
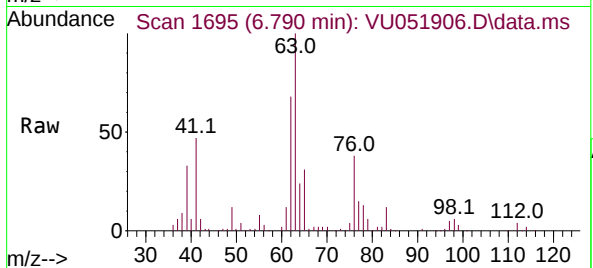
VSTD005070

Tgt Ion: 63 Resp: 113183

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.186 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

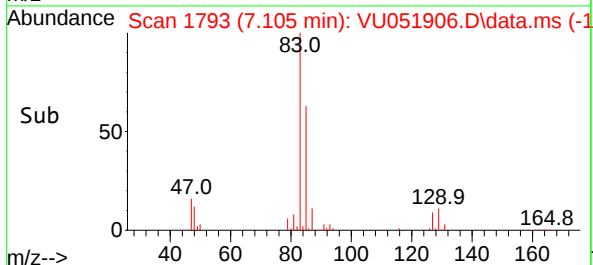
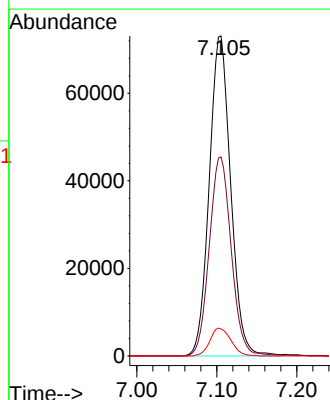
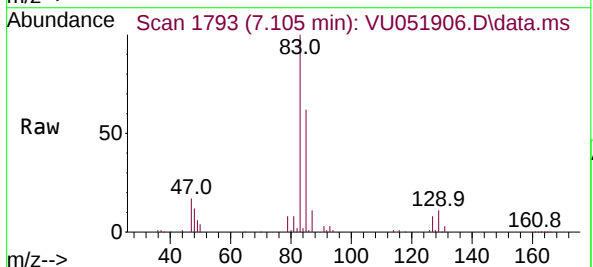
Tgt Ion: 83 Resp: 136148

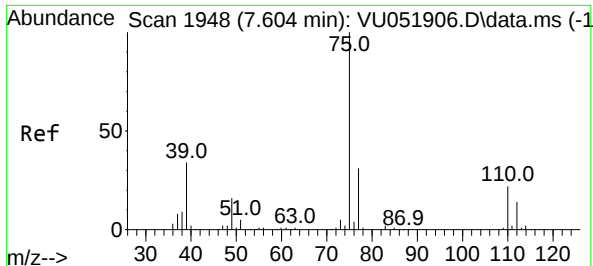
Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.209 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

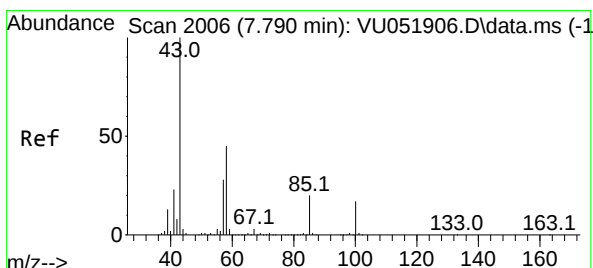
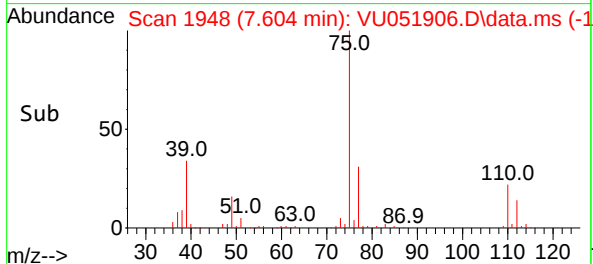
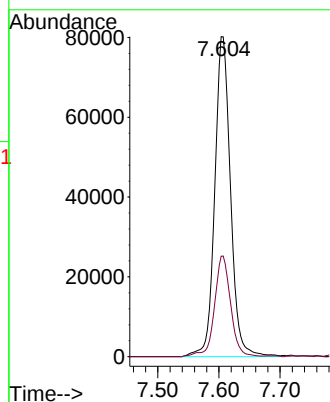
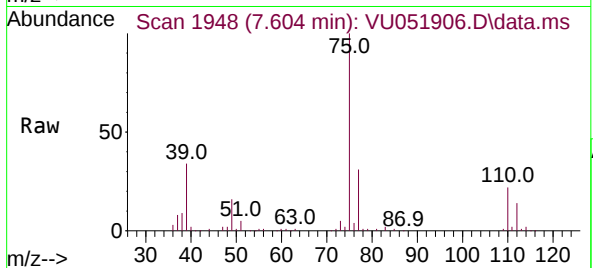
VSTD005070

Tgt Ion: 75 Resp: 143995

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 54.909 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

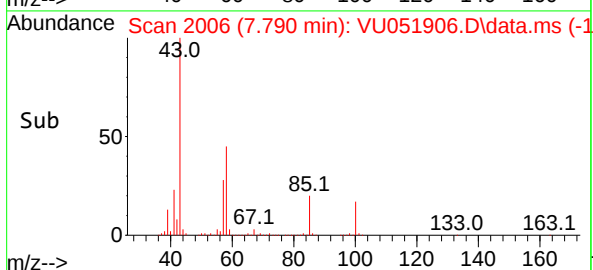
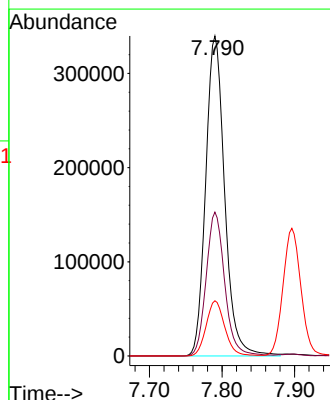
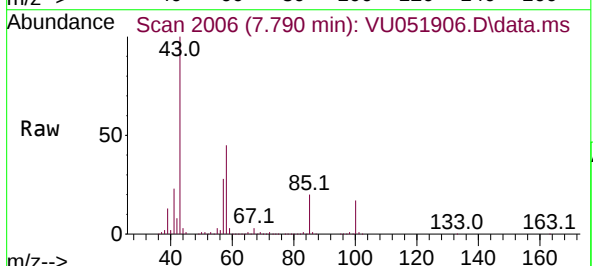
Tgt Ion: 43 Resp: 617585

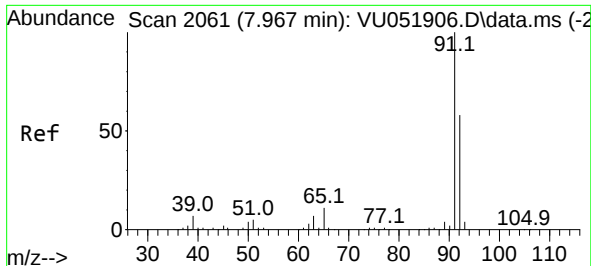
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 17.0 13.6 20.4





#42

Toluene

Concen: 5.428 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

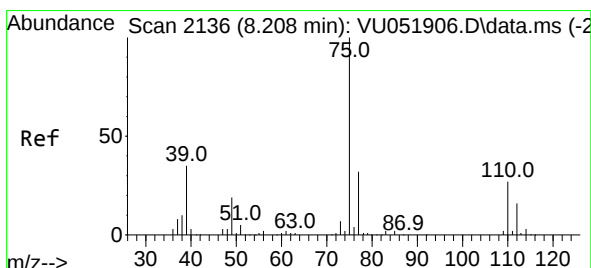
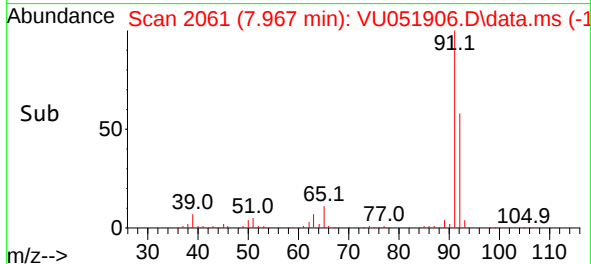
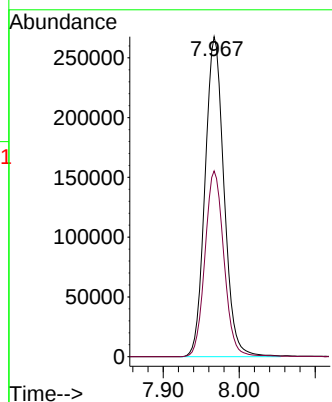
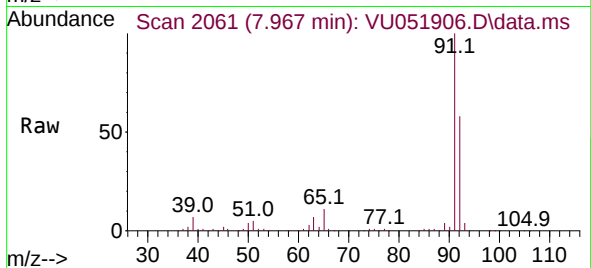
VSTD005070

Tgt Ion: 91 Resp: 464327

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.260 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051906.D

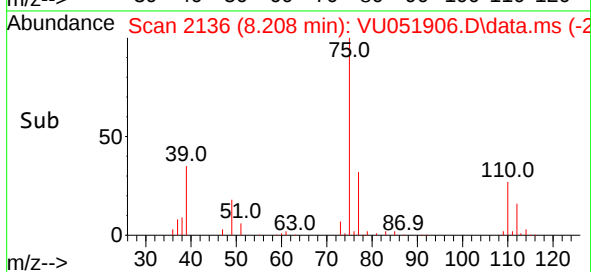
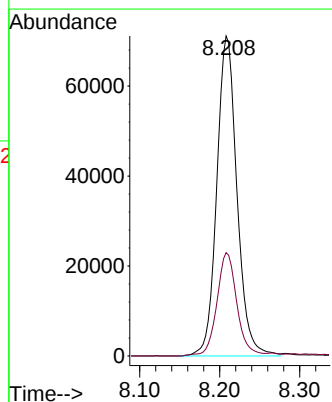
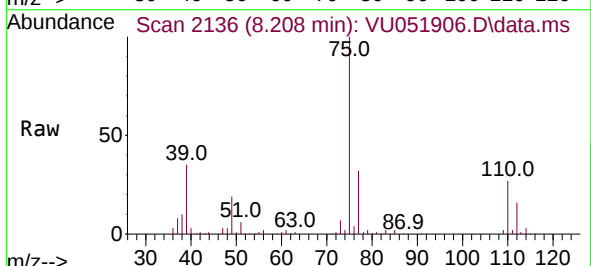
Acq: 18 Nov 2022 15:33

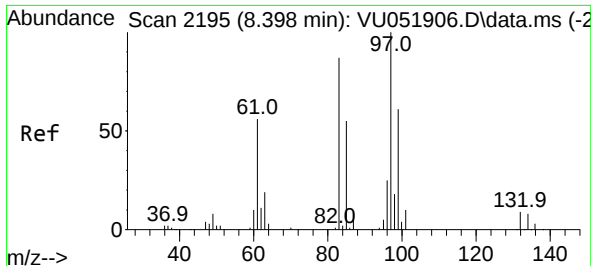
Tgt Ion: 75 Resp: 124527

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.238 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005070

Tgt Ion: 97 Resp: 84752

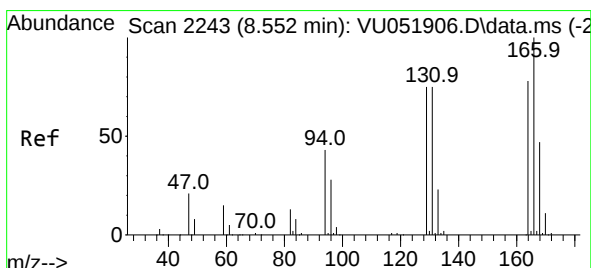
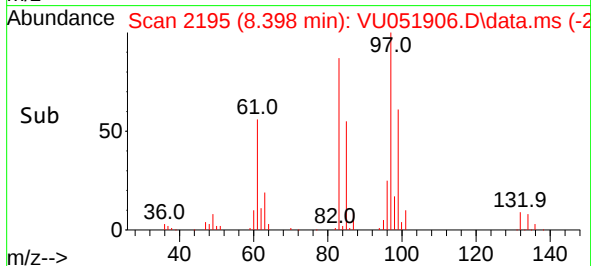
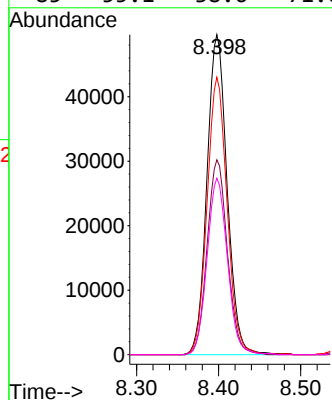
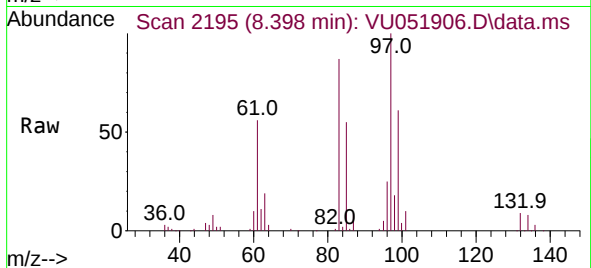
Ion Ratio Lower Upper

97 100

99 60.9 42.6 79.2

83 86.7 60.7 112.7

85 55.1 38.6 71.6



#47

Tetrachloroethene

Concen: 5.200 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Tgt Ion:164 Resp: 82667

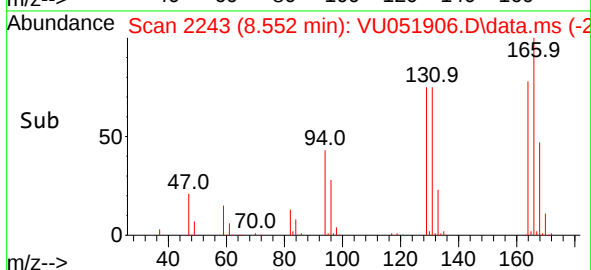
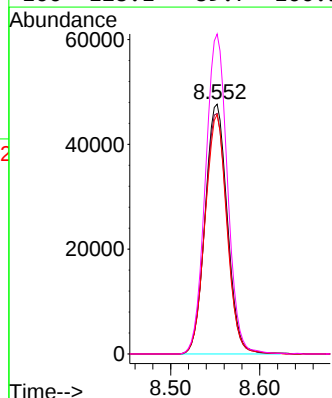
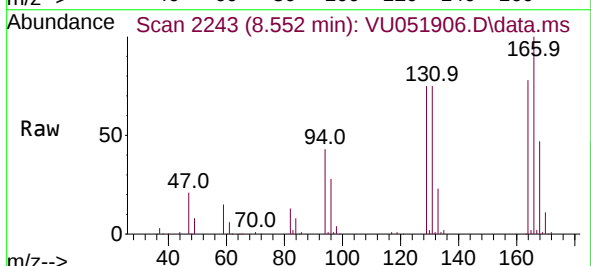
Ion Ratio Lower Upper

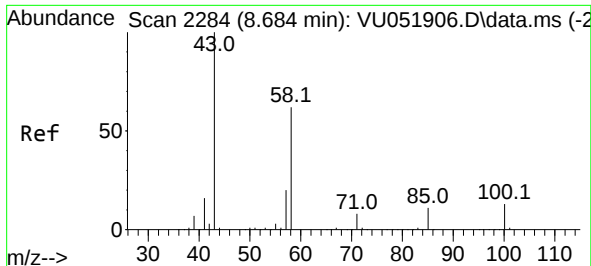
164 100

129 96.3 67.4 125.2

131 95.9 67.1 124.7

166 128.1 89.7 166.5

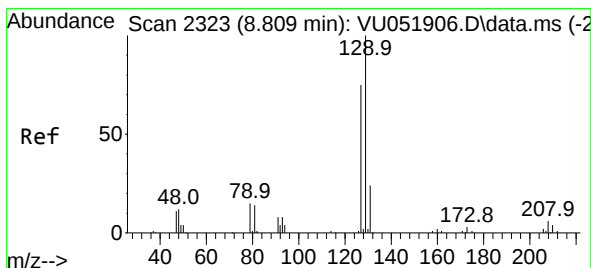
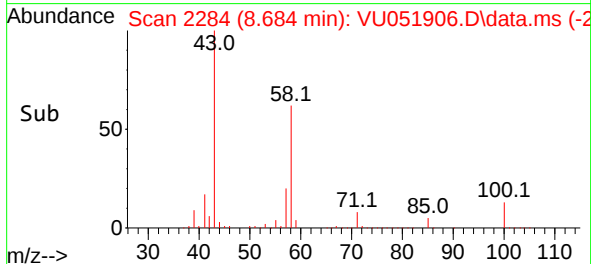
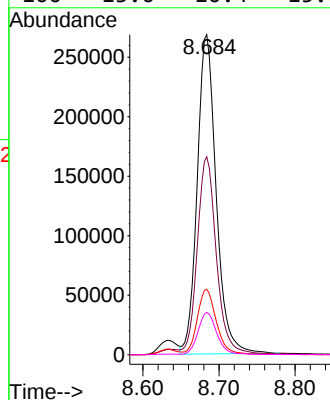
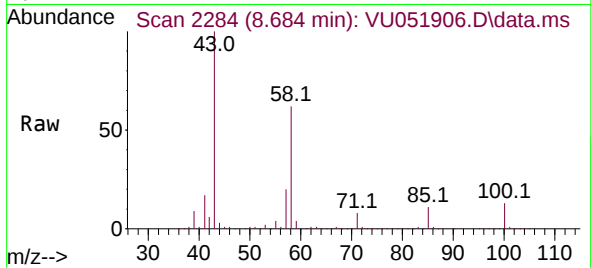




#48
2-Hexanone
Concen: 56.225 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

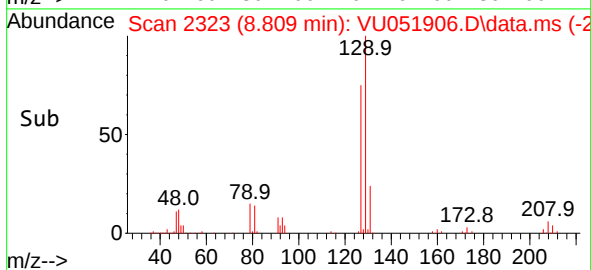
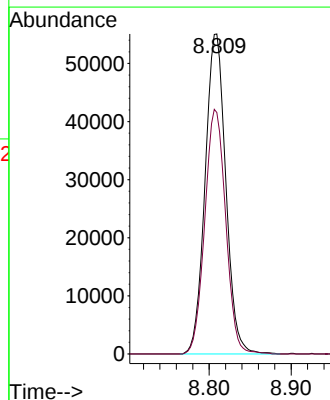
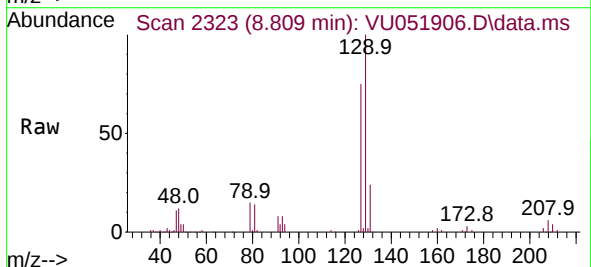
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

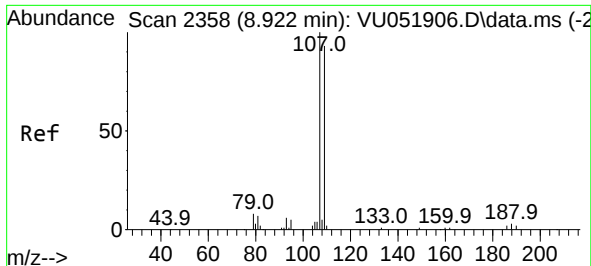
Tgt Ion:	43	Resp:	465949
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	20.4	16.3	24.5
100	13.0	10.4	15.6



#49
Dibromochloromethane
Concen: 5.321 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion:	129	Resp:	96427
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.8	98.2





#50

1,2-Dibromoethane

Concen: 5.235 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005070

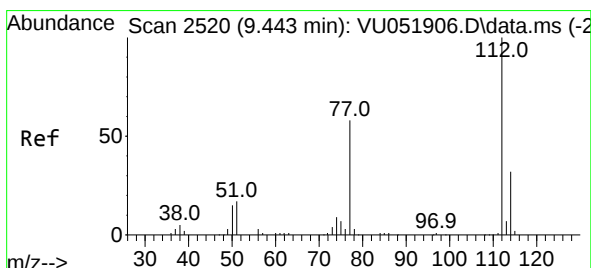
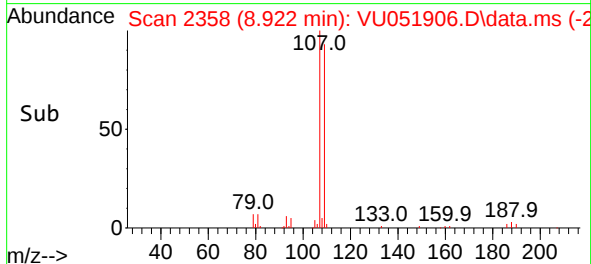
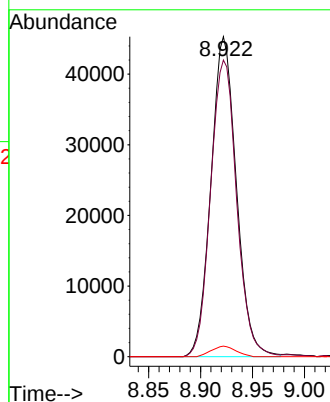
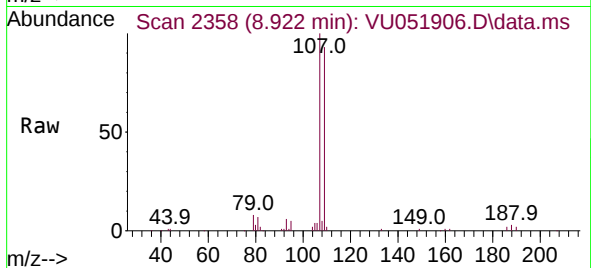
Tgt Ion:107 Resp: 77157

Ion Ratio Lower Upper

107 100

109 92.7 64.9 120.5

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 5.159 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

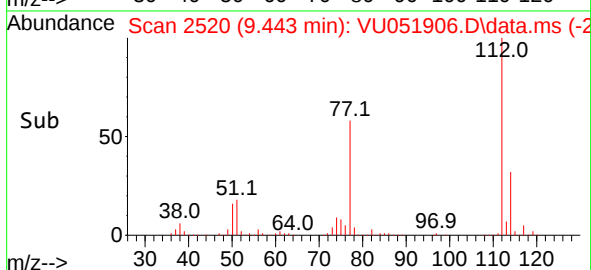
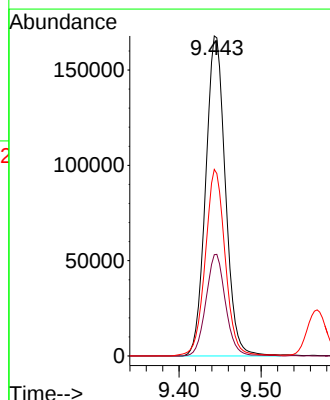
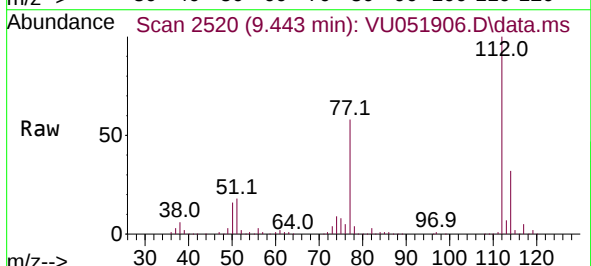
Tgt Ion:112 Resp: 281343

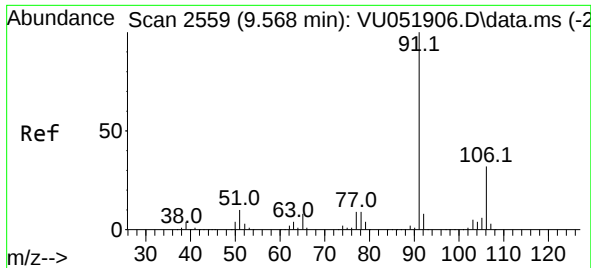
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 58.3 46.6 70.0

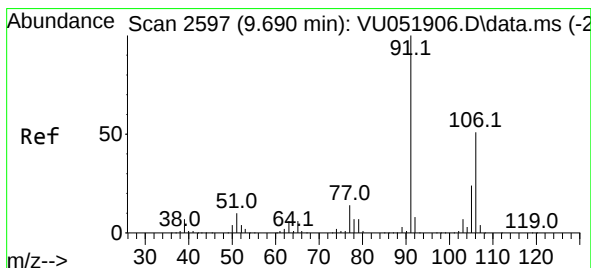
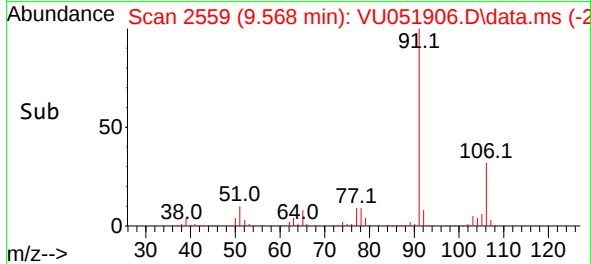
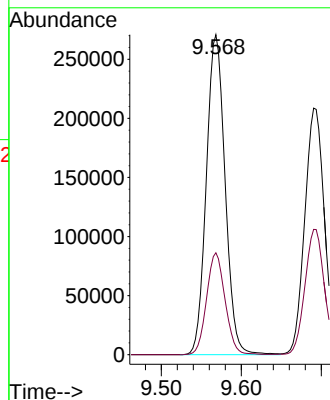
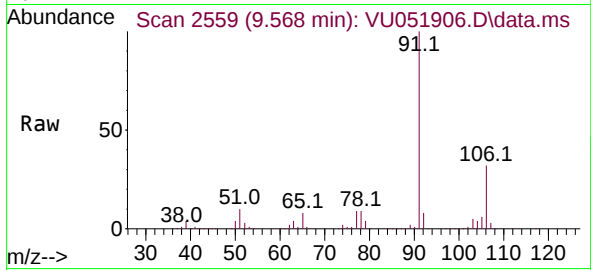




#52
Ethylbenzene
Concen: 5.327 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

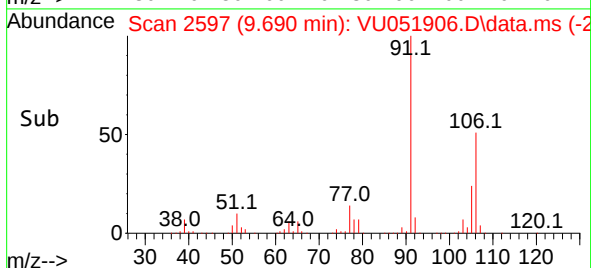
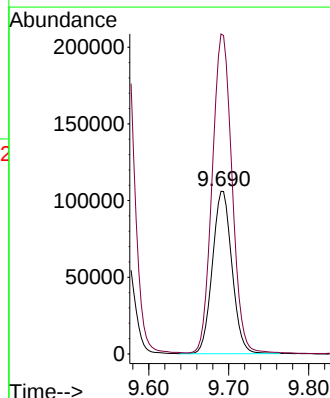
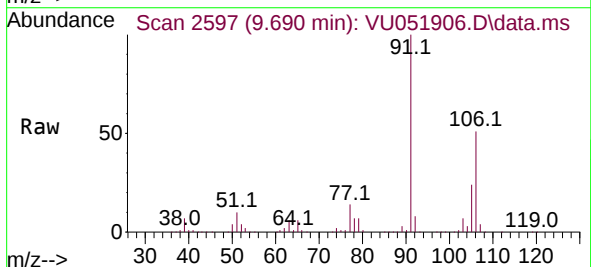
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

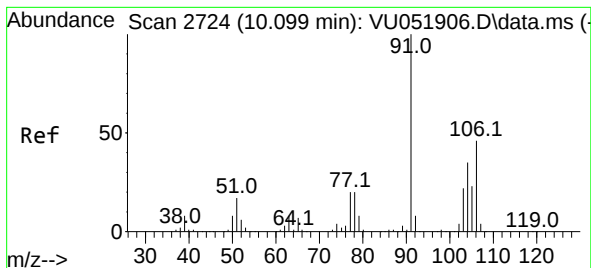
Tgt Ion: 91 Resp: 443021
Ion Ratio Lower Upper
91 100
106 31.8 22.3 41.3



#53
m,p-Xylene
Concen: 5.580 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 106 Resp: 179706
Ion Ratio Lower Upper
106 100
91 196.7 137.7 255.7





#54

o-Xylene

Concen: 5.532 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

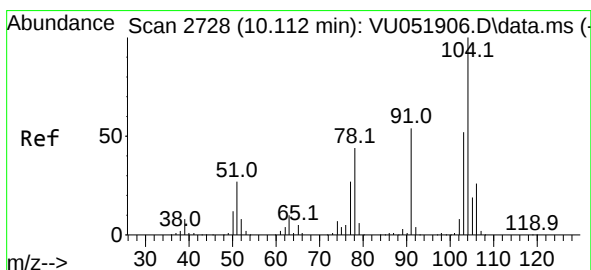
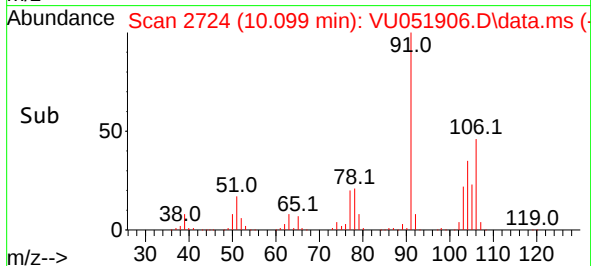
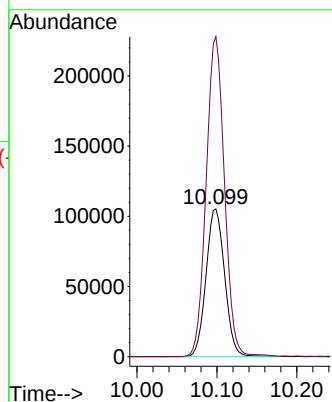
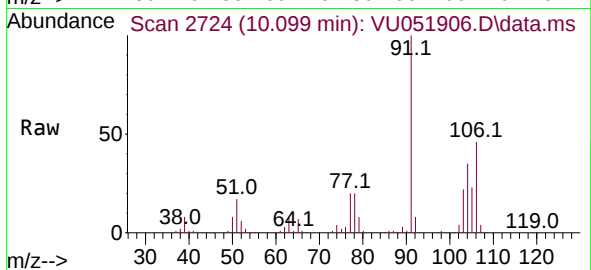
VSTD005070

Tgt Ion:106 Resp: 170742

Ion Ratio Lower Upper

106 100

91 216.5 151.5 281.5



#55

Styrene

Concen: 5.662 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU051906.D

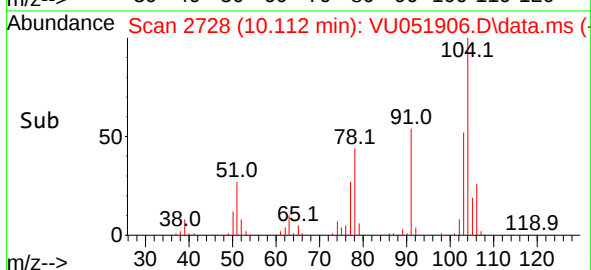
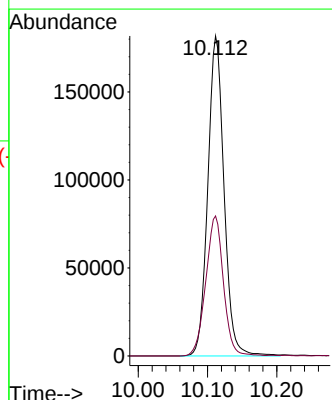
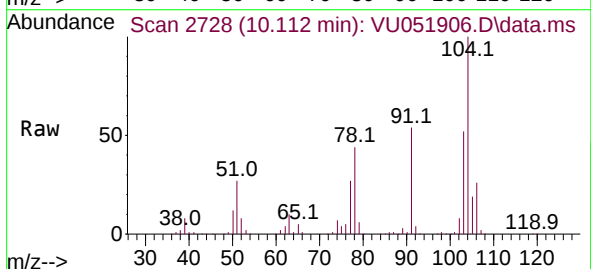
Acq: 18 Nov 2022 15:33

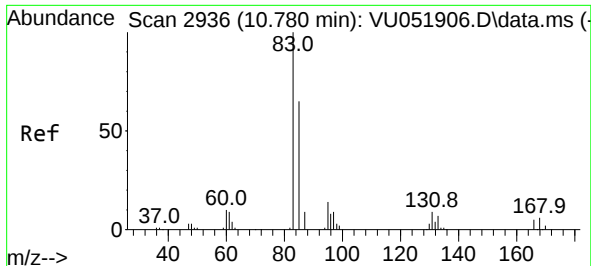
Tgt Ion:104 Resp: 295187

Ion Ratio Lower Upper

104 100

78 43.7 30.6 56.8

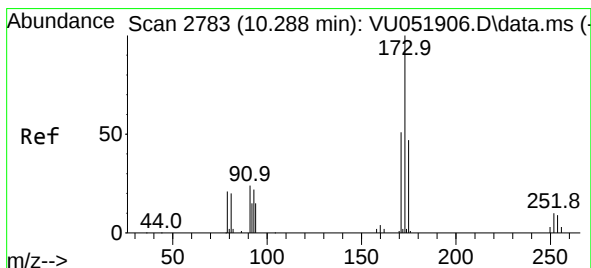
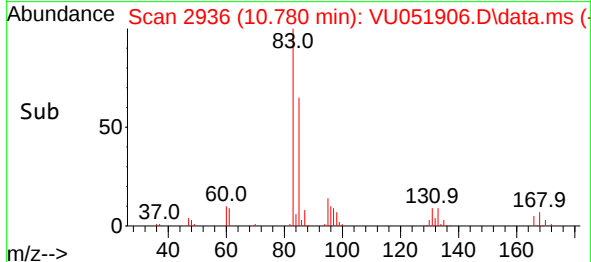
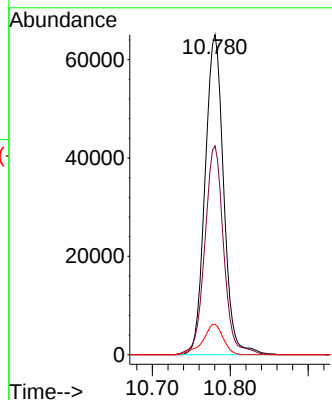
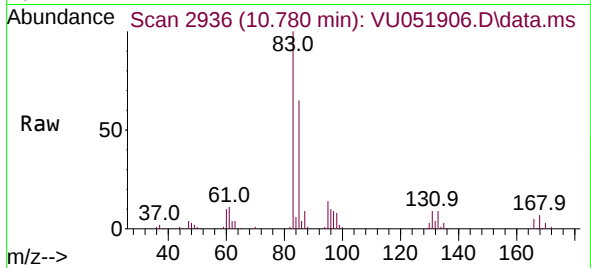




#57
1,1,2,2-Tetrachloroethane
Concen: 5.328 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

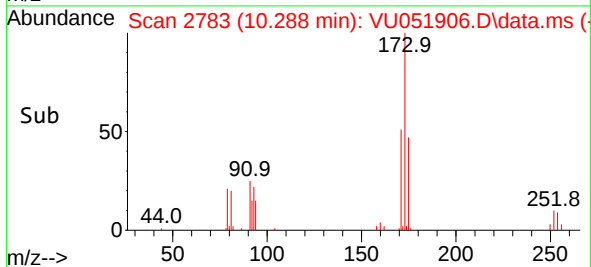
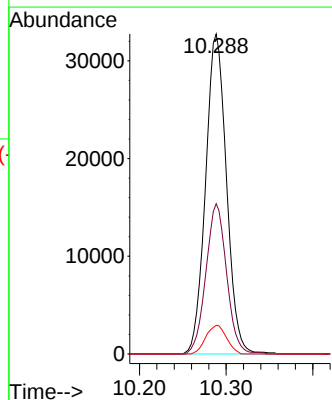
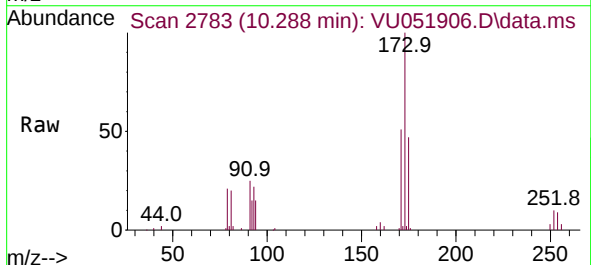
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

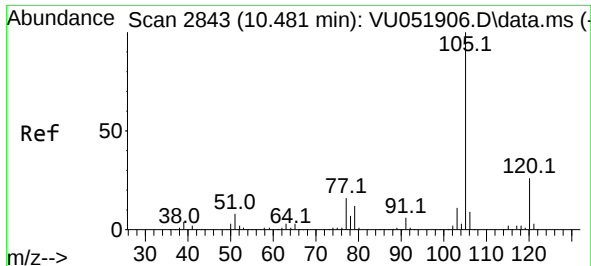
Tgt Ion: 83 Resp: 107681
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9
131 9.5 7.6 11.4



#59
Bromoform
Concen: 5.061 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion:173 Resp: 54892
Ion Ratio Lower Upper
173 100
175 46.5 37.2 55.8
254 8.8 7.0 10.6

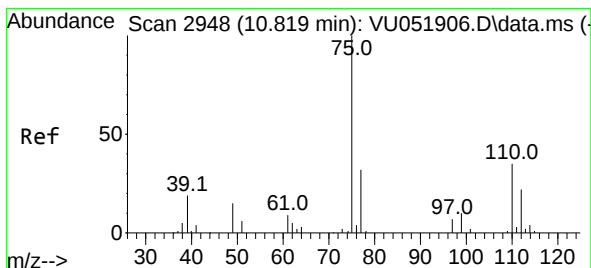
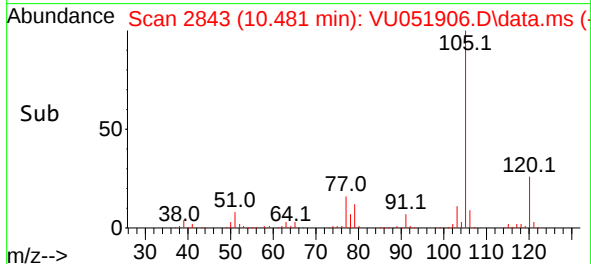
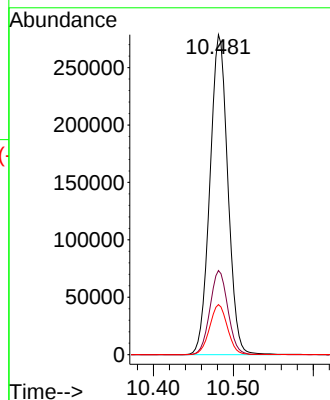
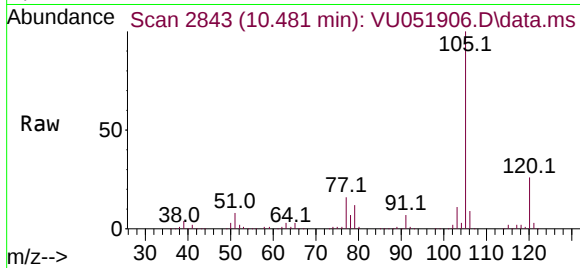




#60
Isopropylbenzene
Concen: 5.250 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

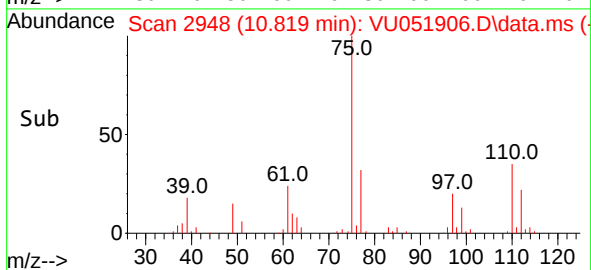
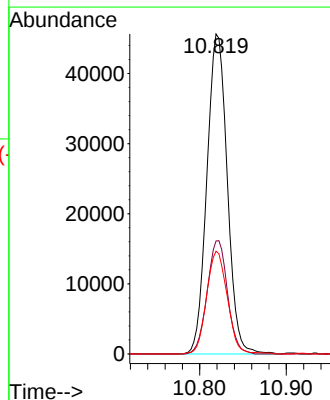
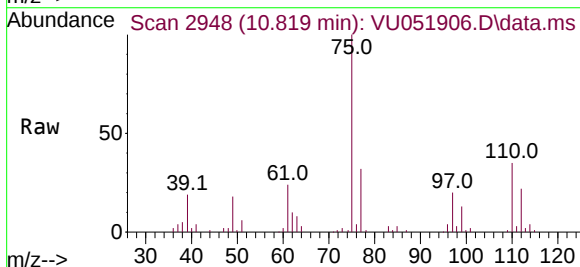
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

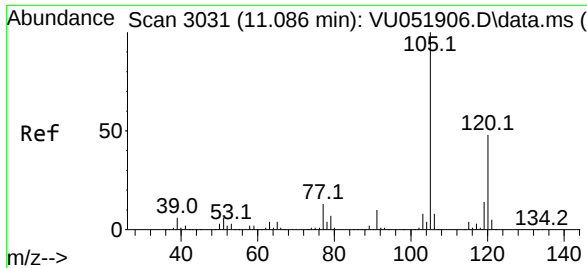
Tgt Ion:105 Resp: 434225
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.954 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion: 75 Resp: 74658
Ion Ratio Lower Upper
75 100
110 35.4 28.3 42.5
77 32.7 26.2 39.2

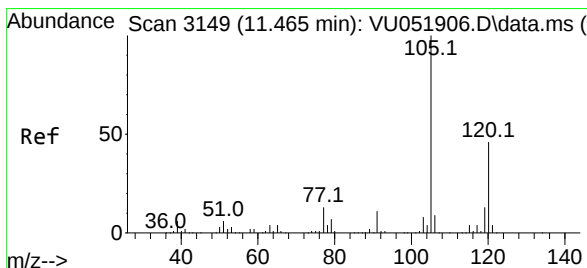
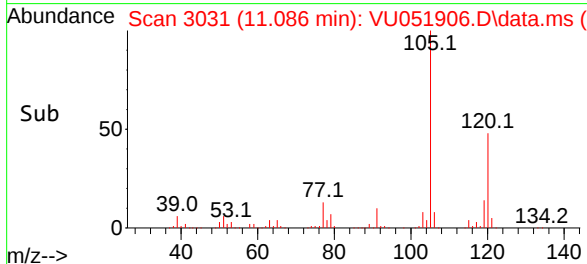
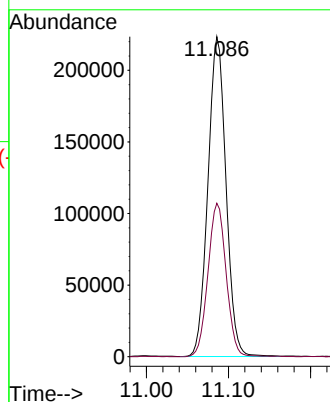
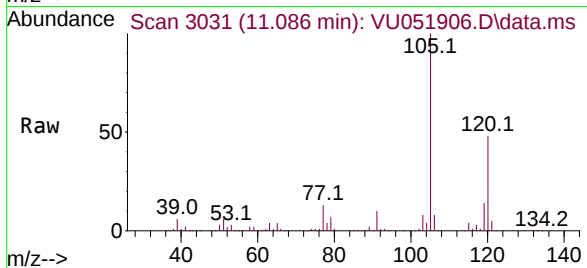




#62
 1,3,5-Trimethylbenzene
 Concen: 5.162 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

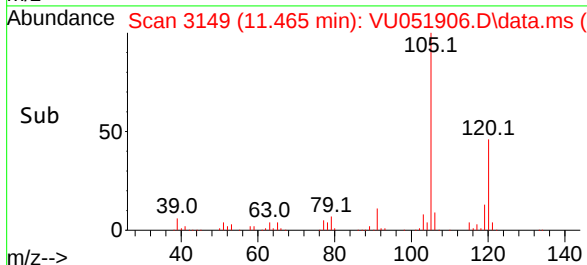
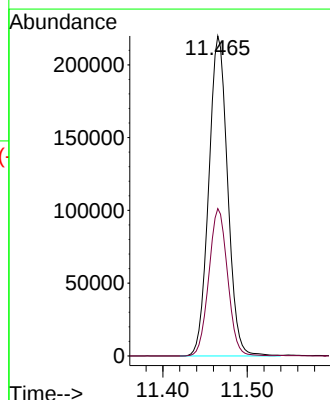
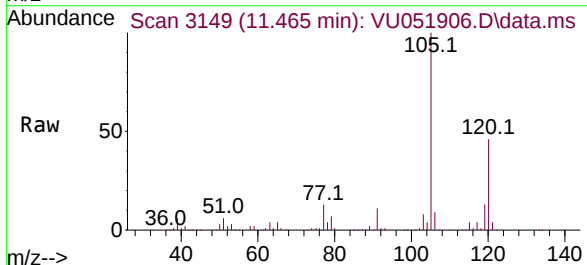
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005070

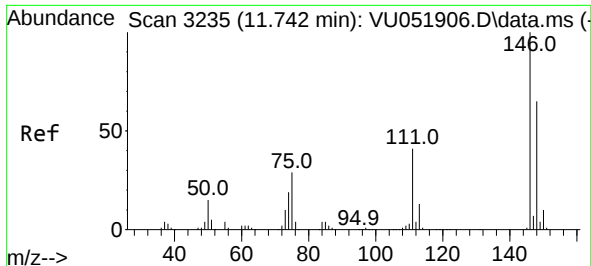
Tgt Ion:105 Resp: 341291
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.215 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

Tgt Ion:105 Resp: 342277
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.6 55.0

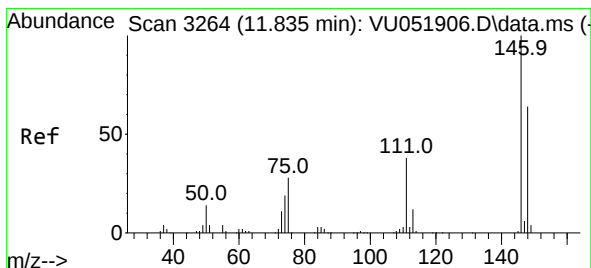
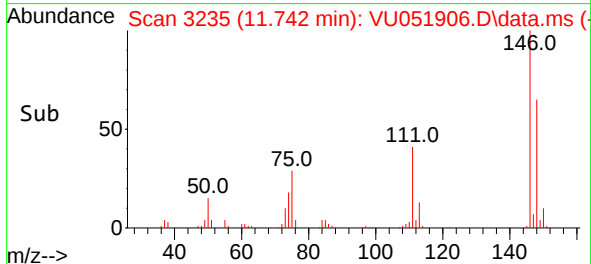
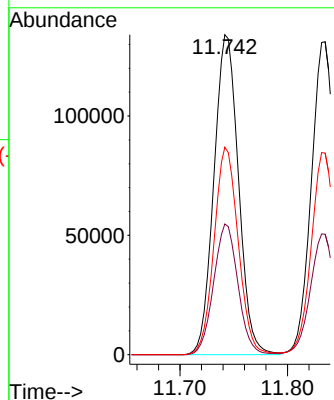
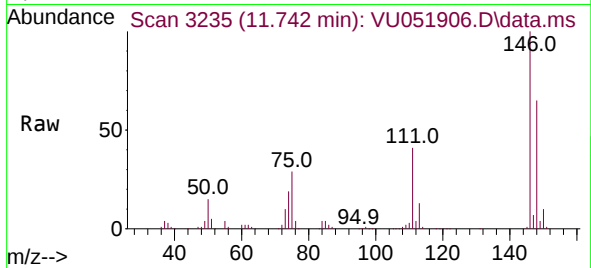




#64
1,3-Dichlorobenzene
Concen: 5.046 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

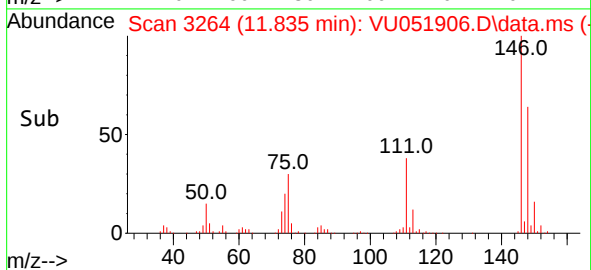
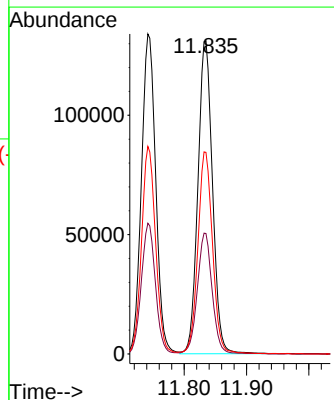
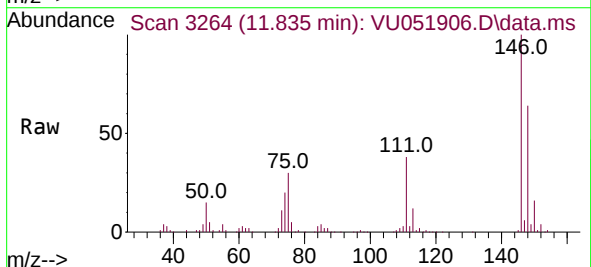
Instrument :
MSVOA_U
ClientSampleId :
VSTD005070

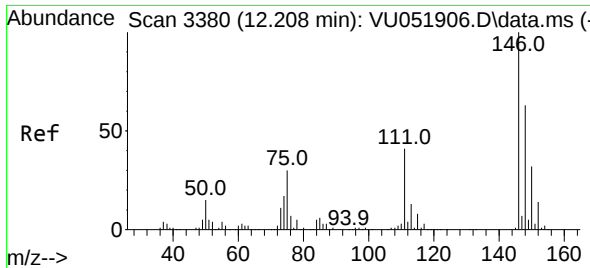
Tgt Ion:146 Resp: 213104
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.2
148 64.8 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.069 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051906.D
Acq: 18 Nov 2022 15:33

Tgt Ion:146 Resp: 213510
Ion Ratio Lower Upper
146 100
111 38.5 26.9 50.1
148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.036 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005070

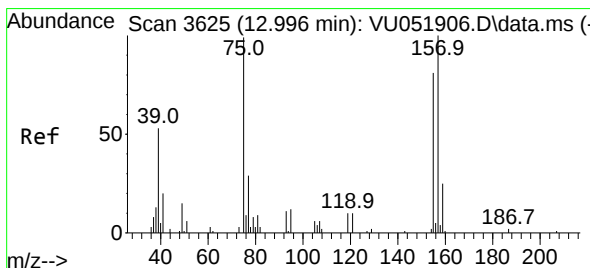
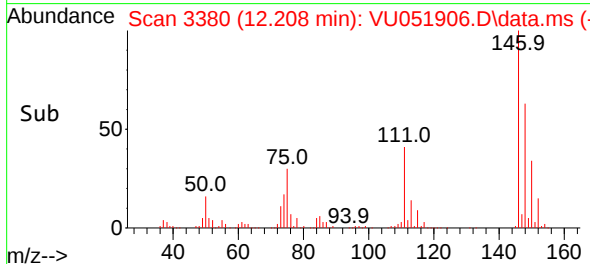
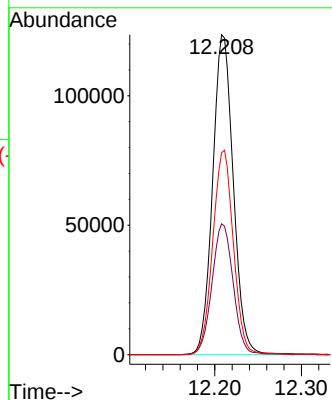
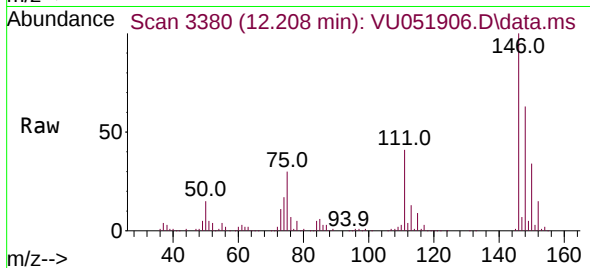
Tgt Ion:146 Resp: 204811

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

148 63.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.786 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

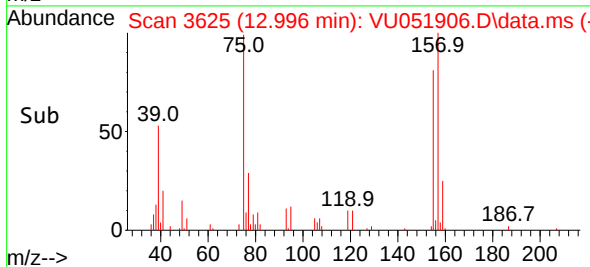
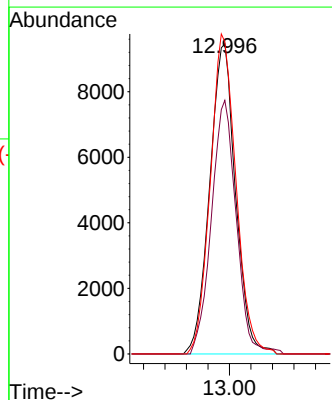
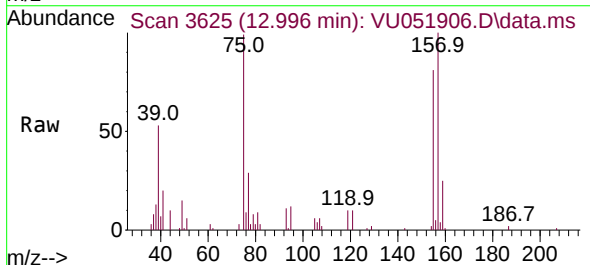
Tgt Ion: 75 Resp: 15784

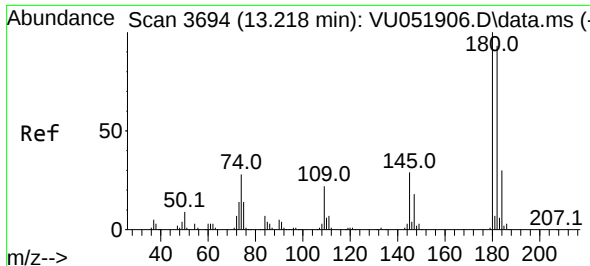
Ion Ratio Lower Upper

75 100

155 81.8 65.4 98.2

157 100.6 80.5 120.7



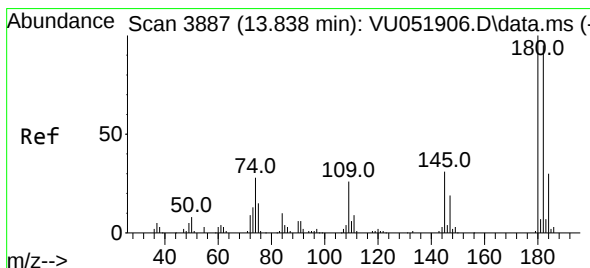
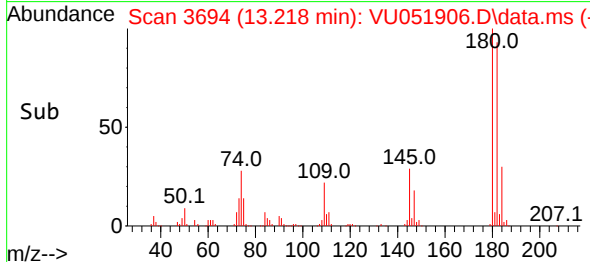
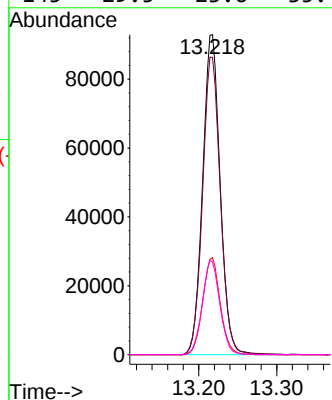
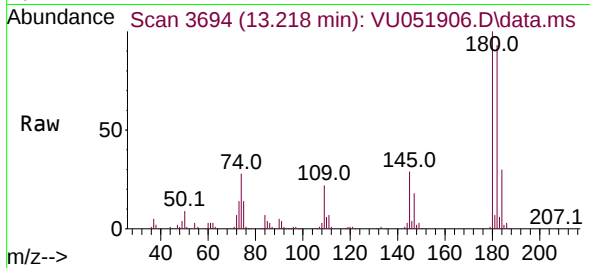


#69
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005070

Tgt Ion:180 Resp: 145066

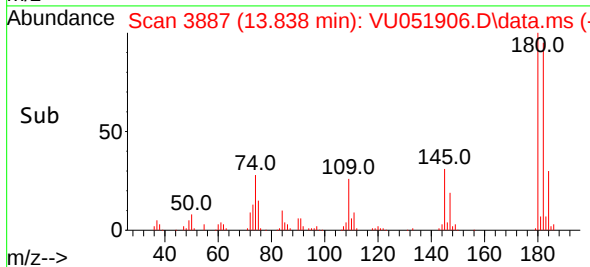
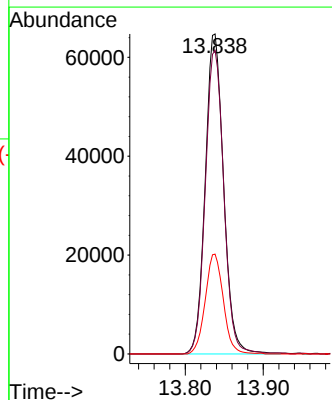
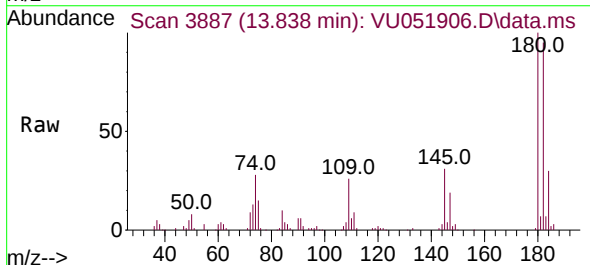
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	30.4	24.3	36.5
145	29.5	23.6	35.4

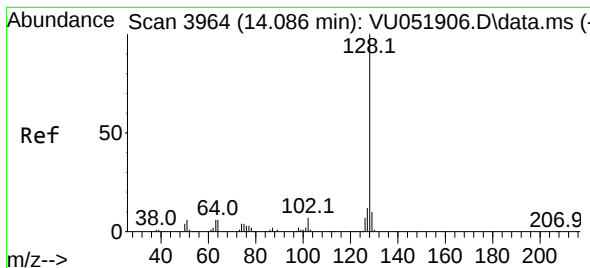


#70
 1,2,4-trichlorobenzene
 Concen: 4.643 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051906.D
 Acq: 18 Nov 2022 15:33

Tgt Ion:180 Resp: 105881

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	30.7	24.6	36.8





#71

Naphthalene

Concen: 4.374 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005070

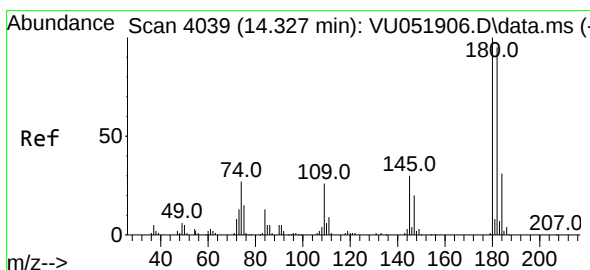
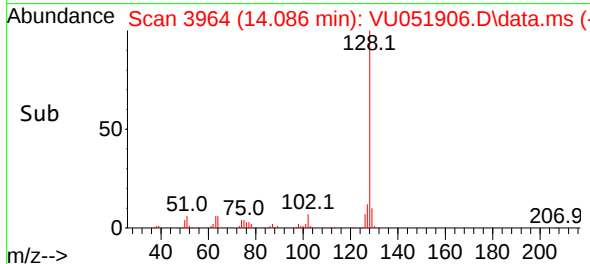
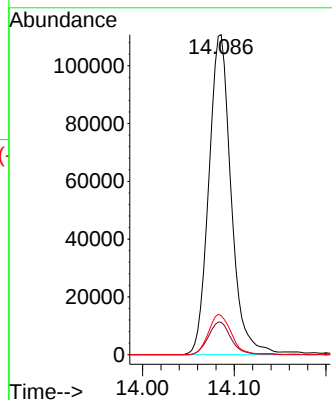
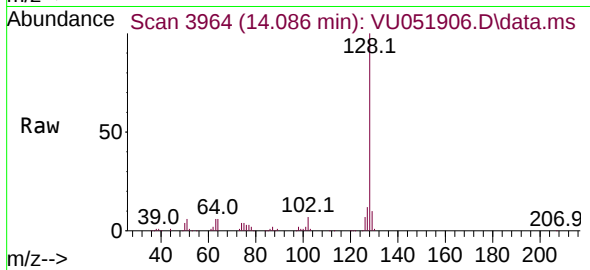
Tgt Ion:128 Resp: 187289

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.751 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051906.D

Acq: 18 Nov 2022 15:33

Tgt Ion:180 Resp: 106595

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 30.6 24.5 36.7

