

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052621.D
 Acq On : 06 Jan 2023 11:36
 Operator : JC/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050063

Quant Time: Jan 07 00:20:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:16:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	305409	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	301825	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	175242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	154658	55.791	ug/L	0.00
7) Chloroethane-d5	1.916	69	120901	57.976	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	246264	53.057	ug/L	0.00
21) 2-Butanone-d5	4.620	46	203894	103.428	ug/L	0.00
24) Chloroform-d	5.060	84	242608	50.651	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	160098	52.354	ug/L	0.00
32) Benzene-d6	5.723	84	484187	50.946	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	168122	56.104	ug/L	0.00
41) Toluene-d8	7.893	98	420943	50.027	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	73480	52.335	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	122718	84.888	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	220030	49.126	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	147397	41.849	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	104719	39.085	ug/L	100
3) Chloromethane	1.520	50	149024	57.118	ug/L	100
5) Vinyl chloride	1.607	62	137340	52.265	ug/L	100
6) Bromomethane	1.858	94	66401	41.825	ug/L	100
8) Chloroethane	1.935	64	88183	54.454	ug/L	100
9) Trichlorofluoromethane	2.141	101	159345	42.811	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	95228	45.036	ug/L	100
12) 1,1-Dichloroethene	2.581	96	86679	43.804	ug/L	100
13) Acetone	2.629	43	177097	96.012	ug/L	100
14) Carbon disulfide	2.793	76	268884	45.395	ug/L	100
15) Methyl Acetate	2.945	43	142082	57.914	ug/L	100
16) Methylene chloride	3.044	84	114534	46.046	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	92725	44.748	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	301555	48.494	ug/L	100
19) 1,1-Dichloroethane	3.867	63	210381	53.400	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	103938	46.712	ug/L	100
22) 2-Butanone	4.700	43	217672	102.562	ug/L	100
23) Bromochloromethane	4.970	128	52898	44.767	ug/L	100
25) Chloroform	5.083	83	201079	48.000	ug/L	100
27) 1,2-Dichloroethane	5.790	62	165015	50.778	ug/L	100
29) Cyclohexane	5.388	56	170854	53.316	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	159552	44.523	ug/L	100
31) Carbon tetrachloride	5.523	117	130093	42.249	ug/L	100
33) Benzene	5.771	78	451450	50.443	ug/L	100
34) Trichloroethene	6.539	95	99012	43.342	ug/L	100
35) Methylcyclohexane	6.761	83	159169	45.139	ug/L	100
37) 1,2-Dichloropropane	6.787	63	130008	55.379	ug/L	100
38) Bromodichloromethane	7.102	83	154199	49.155	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	174535	49.897	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	372255	115.394	ug/L	100
42) Toluene	7.967	91	442052	47.829	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	171609	50.269	ug/L	100

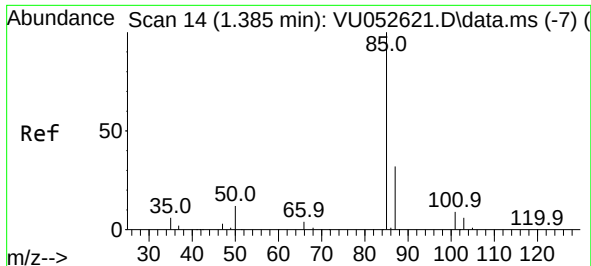
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:16:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	106862	46.392	ug/L	100
46) Tetrachloroethene	8.549	164	68680	40.279	ug/L	100
48) 2-Hexanone	8.681	43	313541	115.567	ug/L	100
49) Dibromochloromethane	8.806	129	111161	44.282	ug/L	100
50) 1,2-Dibromoethane	8.919	107	108299	45.549	ug/L	100
51) Chlorobenzene	9.443	112	271758	45.349	ug/L	100
52) Ethylbenzene	9.565	91	454948	46.635	ug/L	100
53) m,p-Xylene	9.690	106	175402	46.718	ug/L	100
54) o-xylene	10.095	106	167470	46.727	ug/L	100
55) Styrene	10.111	104	309835	48.890	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	194347	47.868	ug/L	100
59) Bromoform	10.285	173	76708	38.143	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	153147	42.953	ug/L	100
61) Isopropylbenzene	10.481	105	437362	43.064	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	357303	42.202	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	358938	42.531	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	205743	40.271	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	208855	39.221	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	206947	40.252	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	42217	40.147	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	140958	36.470	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	118285	36.214	ug/L	100
71) Naphthalene	14.082	128	385577	37.019	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	127958	38.611	ug/L	100

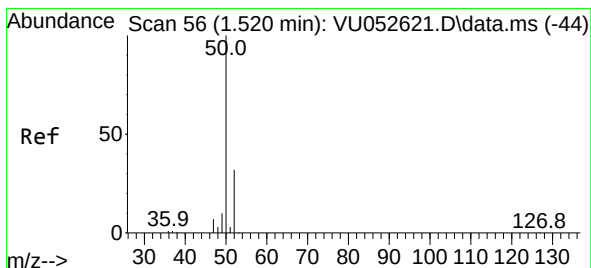
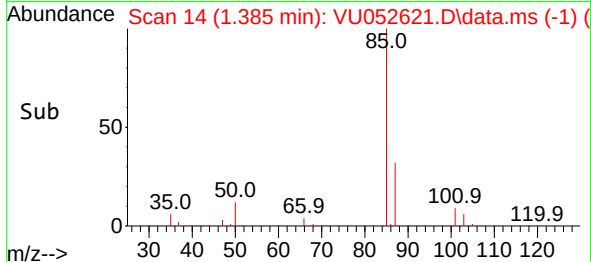
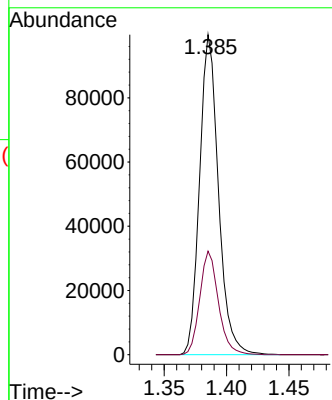
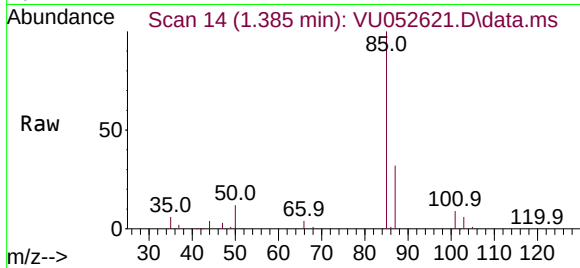
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 39.085 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

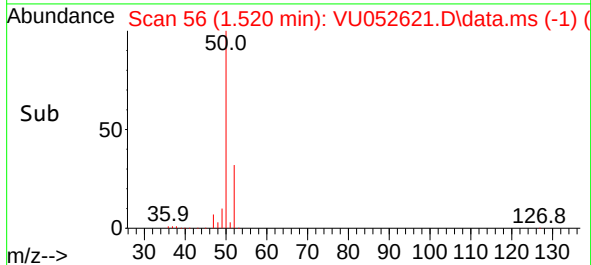
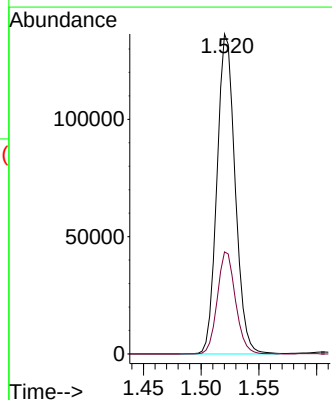
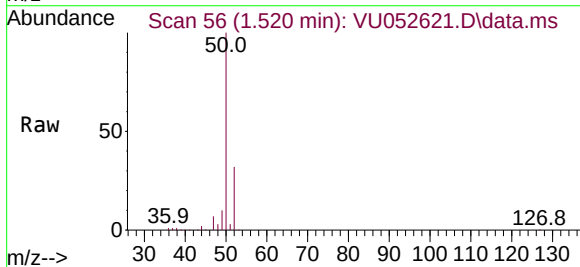
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

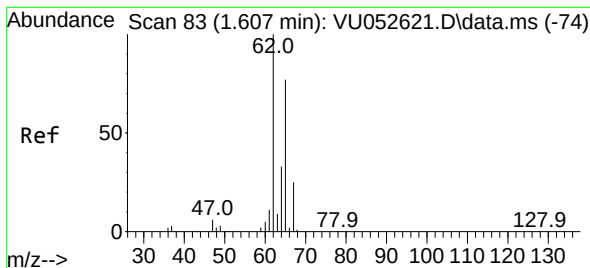
Tgt Ion: 85 Resp: 104719
Ion Ratio Lower Upper
85 100
87 31.9 25.5 38.3



#3
Chloromethane
Concen: 57.118 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 50 Resp: 149024
Ion Ratio Lower Upper
50 100
52 31.9 22.3 41.5





#5

Vinyl chloride

Concen: 52.265 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

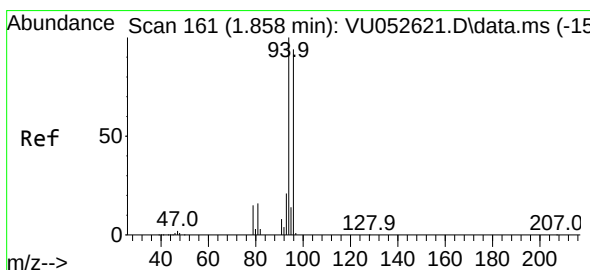
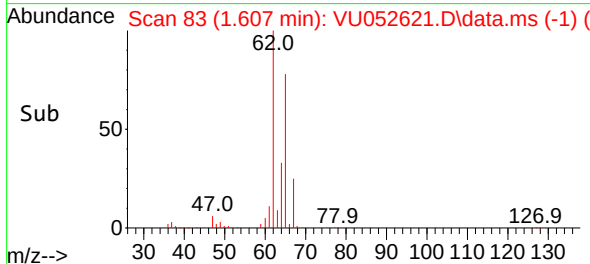
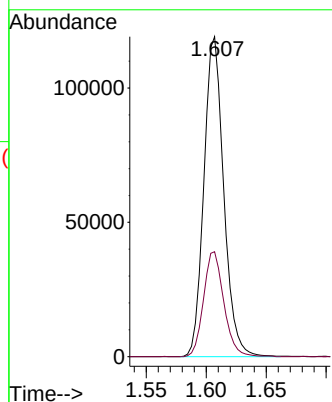
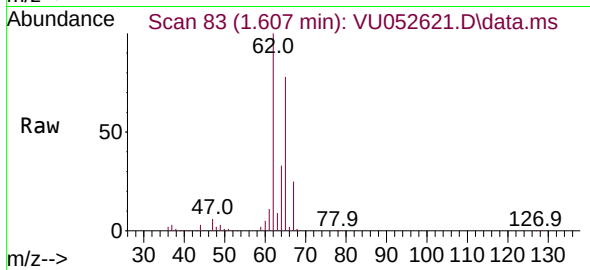
VSTD050063

Tgt Ion: 62 Resp: 137340

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 41.825 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU052621.D

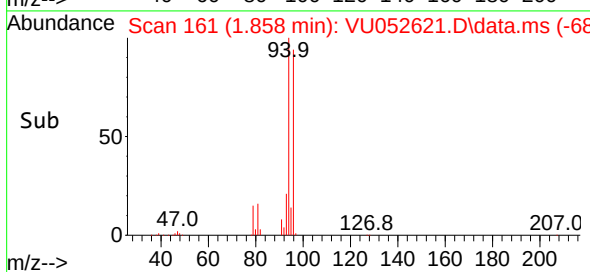
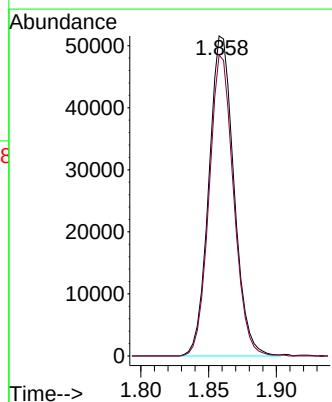
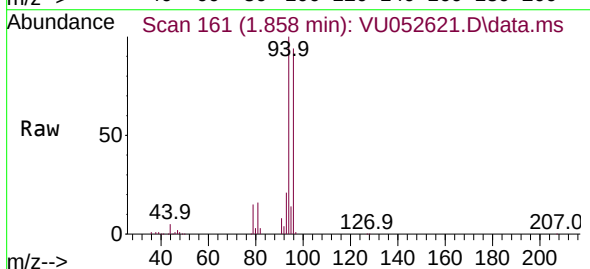
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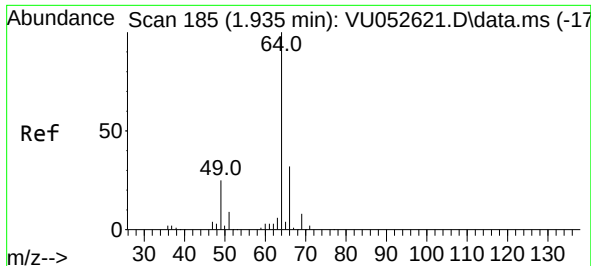
Tgt Ion: 94 Resp: 66401

Ion Ratio Lower Upper

94 100

96 94.0 65.8 122.2

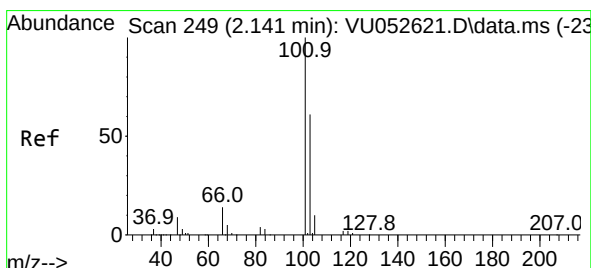
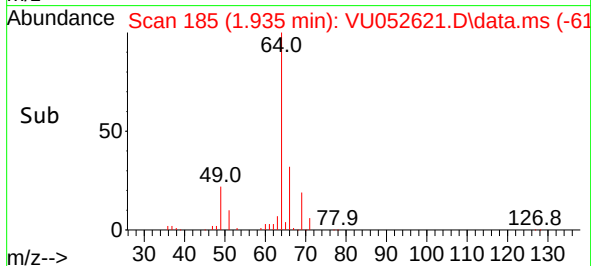
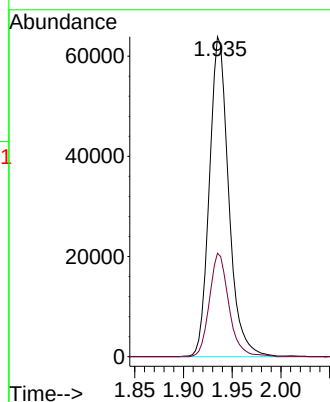
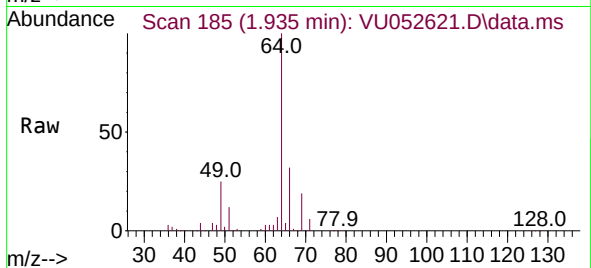




#8
Chloroethane
Concen: 54.454 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

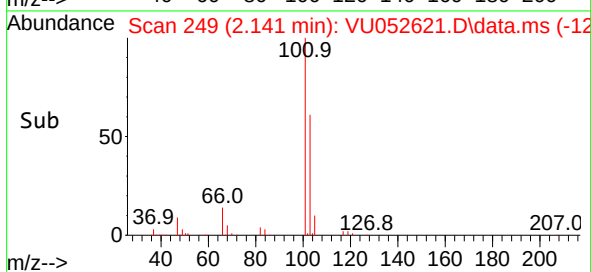
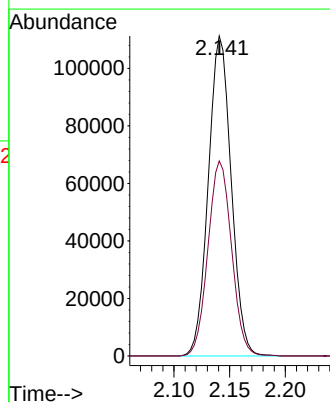
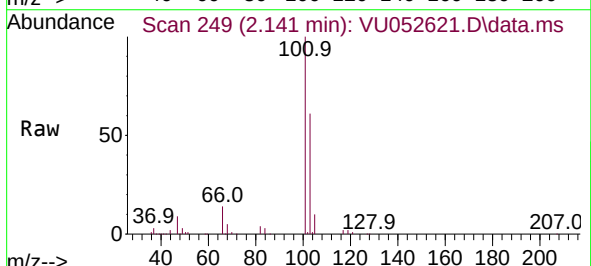
Instrument :
MSVOA_U
ClientSampleId :
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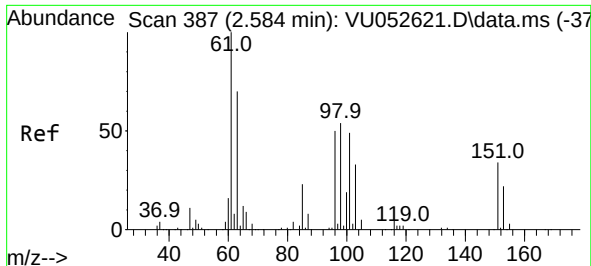
Tgt Ion: 64 Resp: 88183
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 42.811 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion:101 Resp: 159345
Ion Ratio Lower Upper
101 100
103 62.7 50.2 75.2

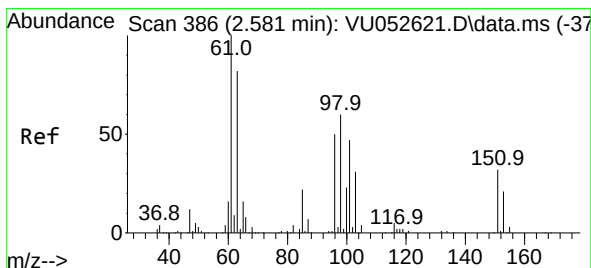
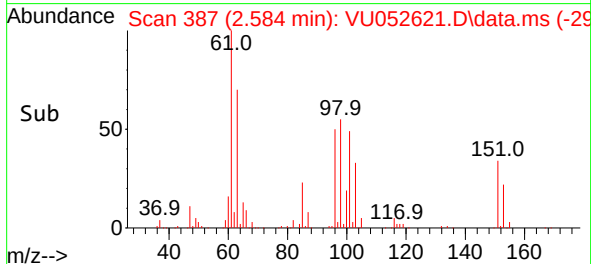
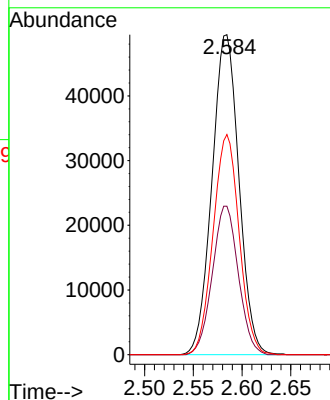
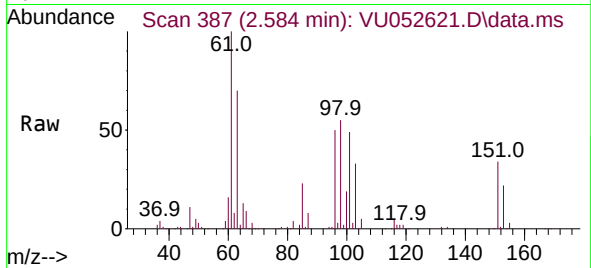




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.036 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

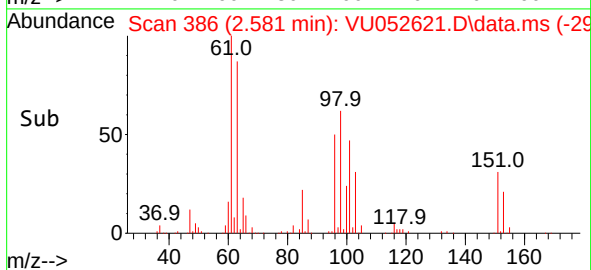
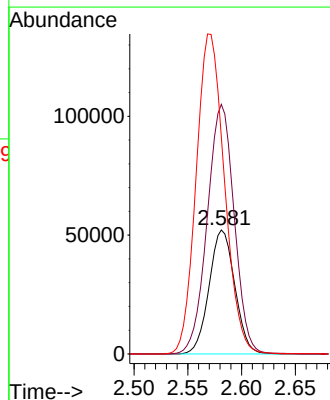
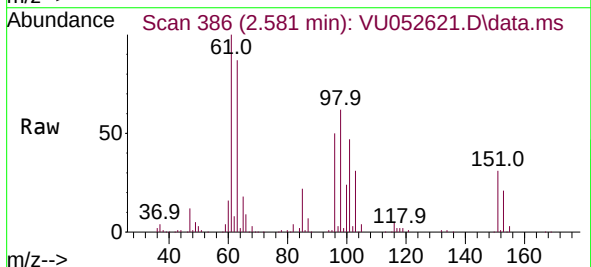
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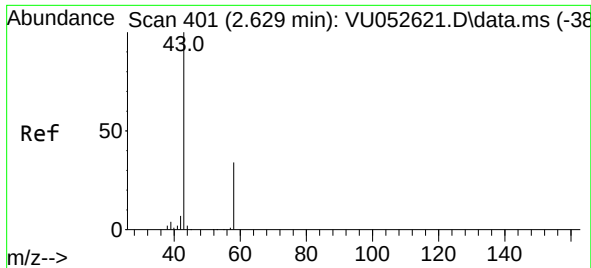
Tgt Ion:101 Resp: 95228
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.8 53.6
 151 66.5 53.2 79.8



#12
 1,1-Dichloroethene
 Concen: 43.804 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

Tgt Ion: 96 Resp: 86679
 Ion Ratio Lower Upper
 96 100
 61 201.2 140.8 261.6
 63 175.1 122.6 227.6





#13

Acetone

Concen: 96.012 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

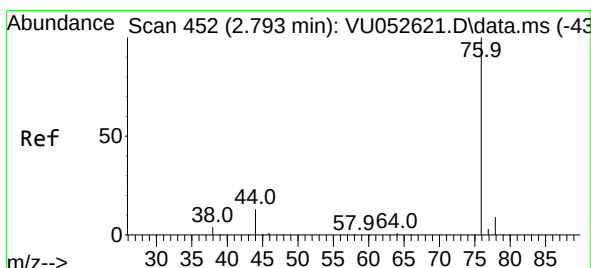
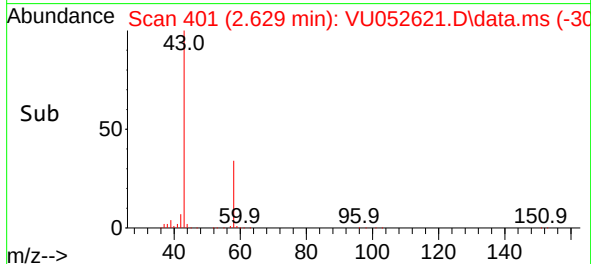
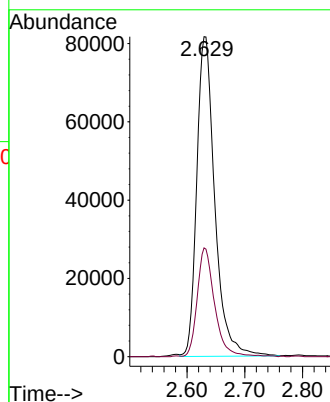
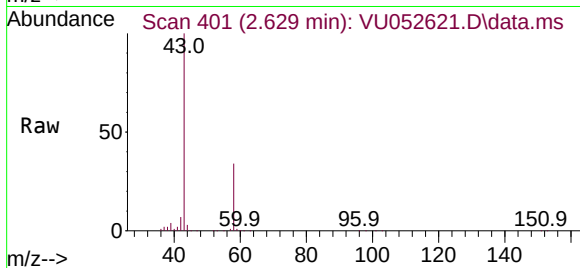
VSTD050063

Tgt Ion: 43 Resp: 177097

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



#14

Carbon disulfide

Concen: 45.395 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052621.D

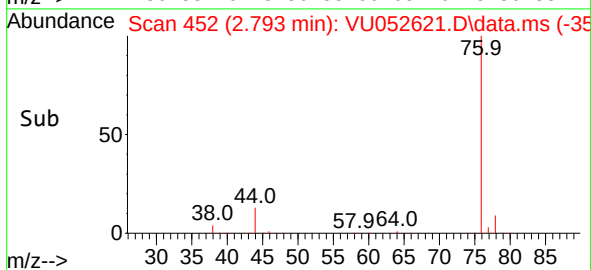
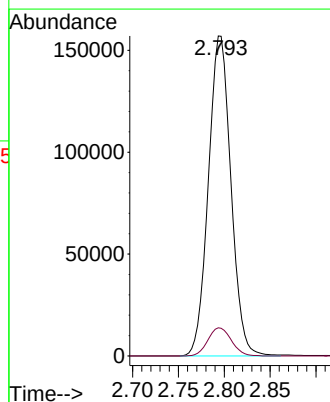
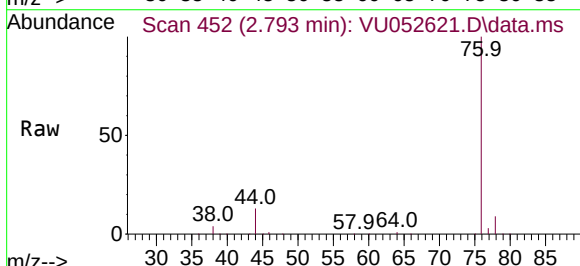
Acq: 06 Jan 2023 11:36

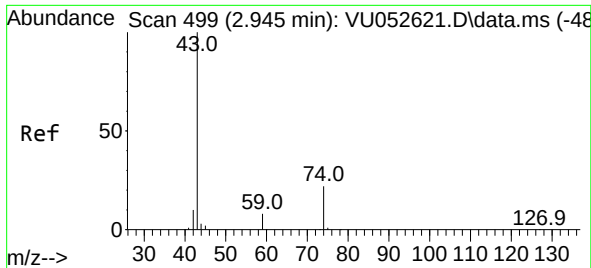
Tgt Ion: 76 Resp: 268884

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

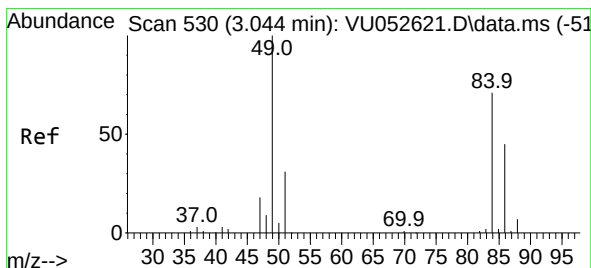
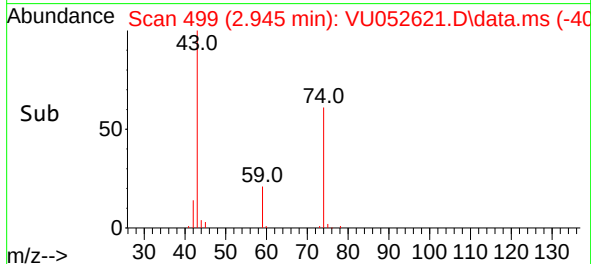
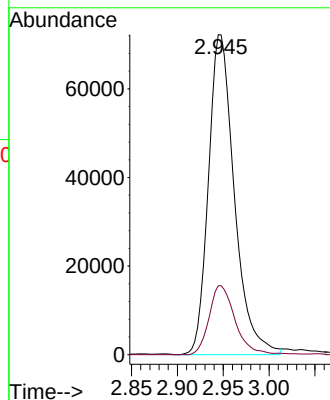
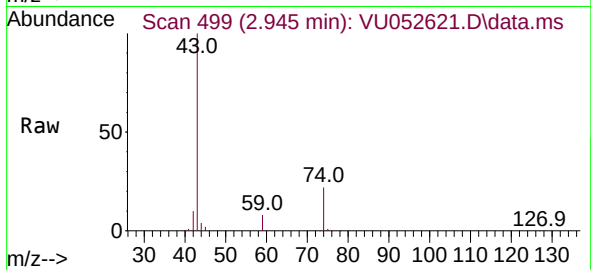




#15
Methyl Acetate
Concen: 57.914 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

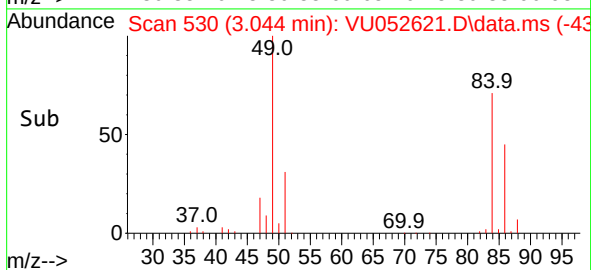
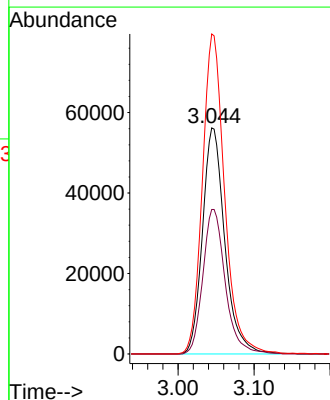
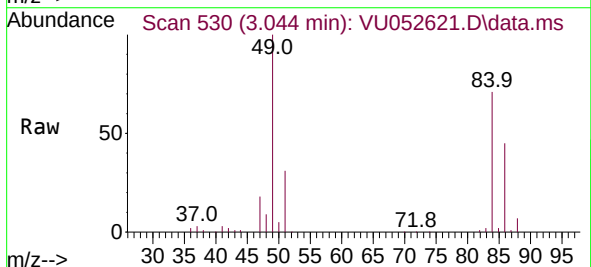
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VSTD050063

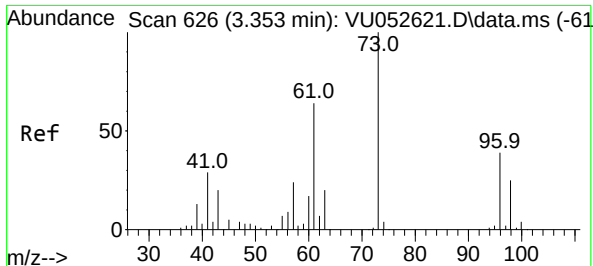
Tgt Ion: 43 Resp: 142082
Ion Ratio Lower Upper
43 100
74 21.5 17.2 25.8



#16
Methylene chloride
Concen: 46.046 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 84 Resp: 114534
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 141.5 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 44.748 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050063

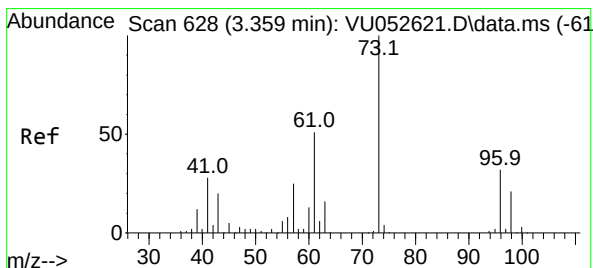
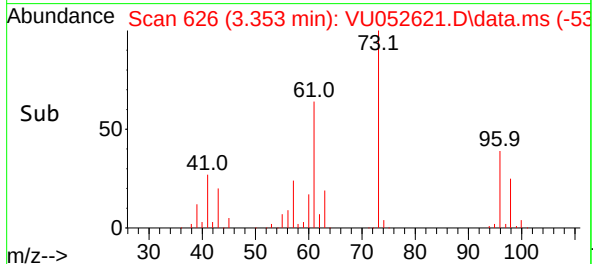
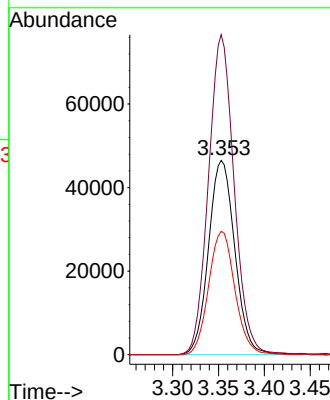
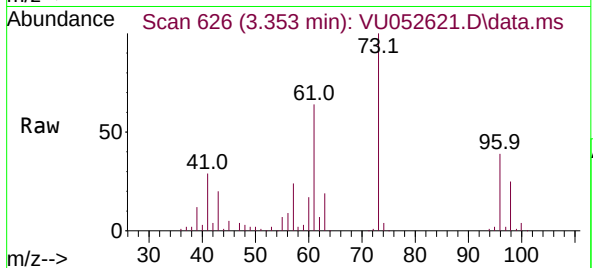
Tgt Ion: 96 Resp: 92725

Ion Ratio Lower Upper

96 100

61 164.7 115.3 214.1

98 63.5 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 48.494 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

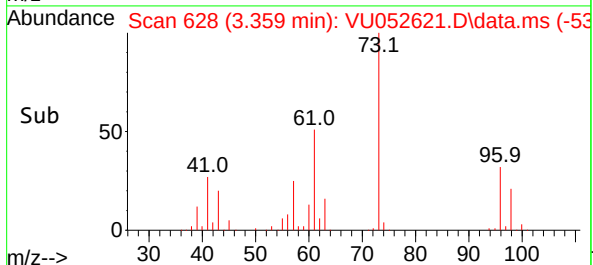
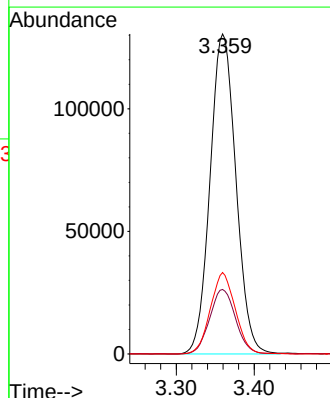
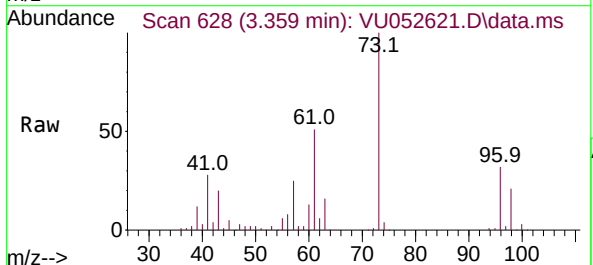
Tgt Ion: 73 Resp: 301555

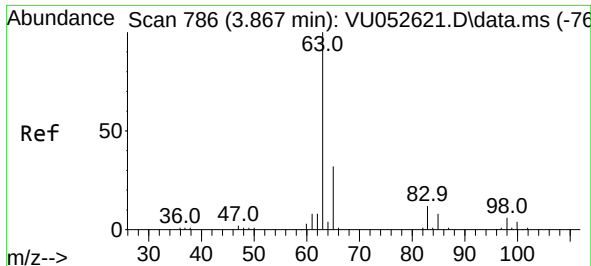
Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

57 24.5 19.6 29.4

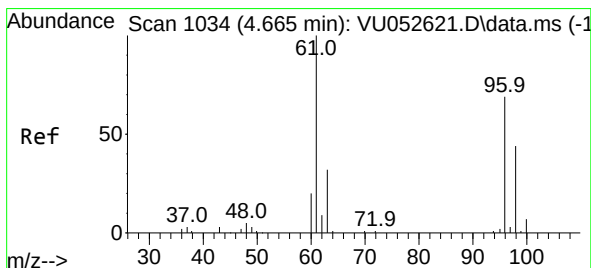
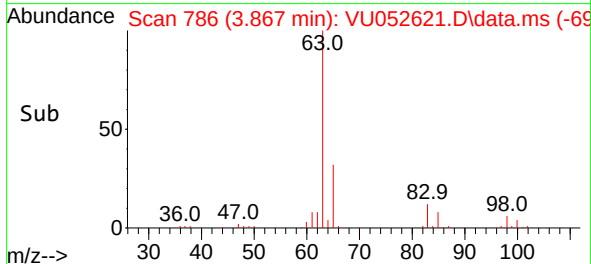
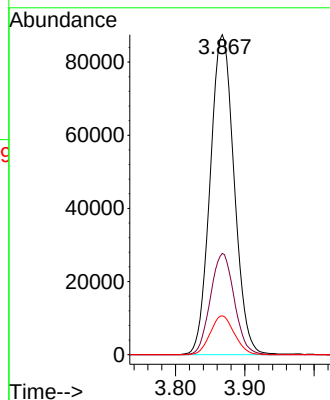
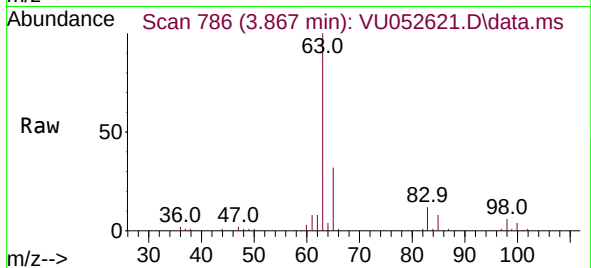




#19
1,1-Dichloroethane
Concen: 53.400 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

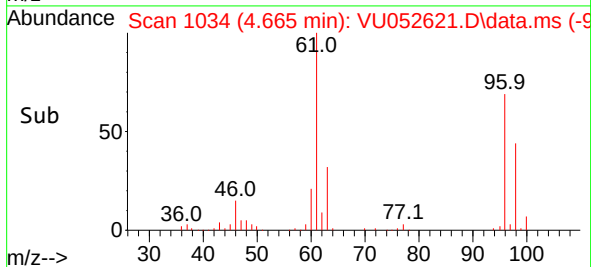
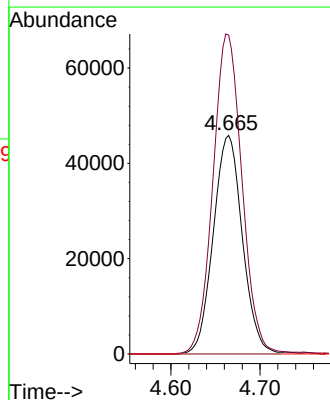
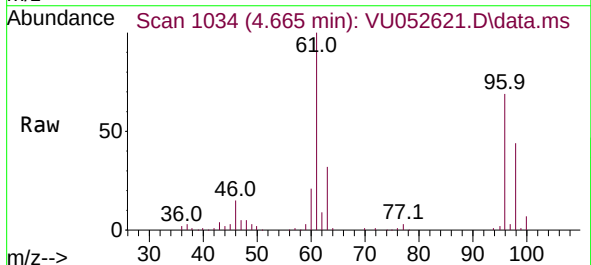
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

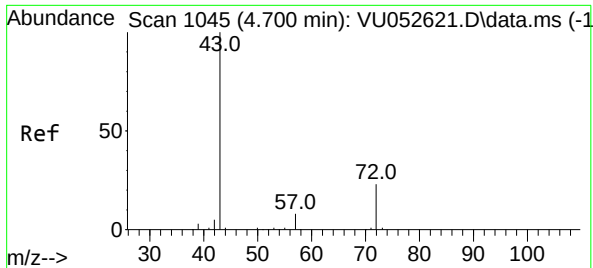
Tgt Ion: 63 Resp: 210381
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 12.2 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 46.712 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 96 Resp: 103938
Ion Ratio Lower Upper
96 100
61 145.9 102.1 189.7
68 0.0 0.0 0.0

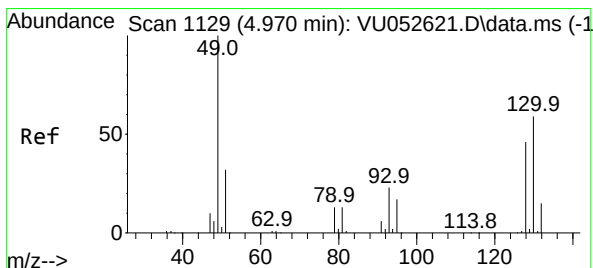
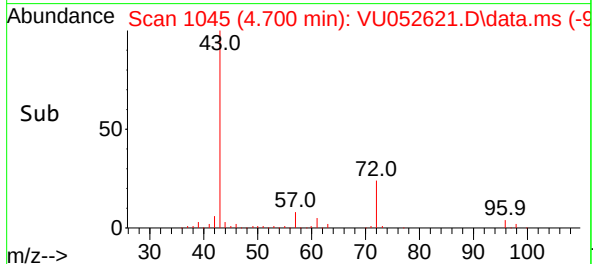
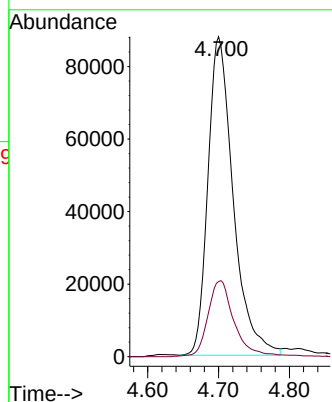
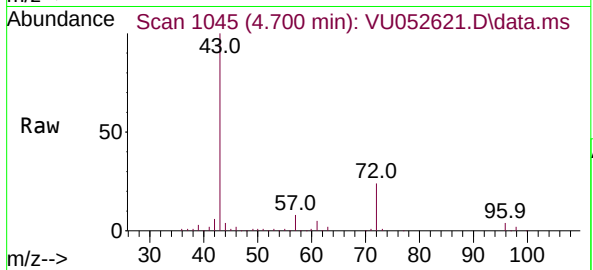




#22
2-Butanone
Concen: 102.562 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

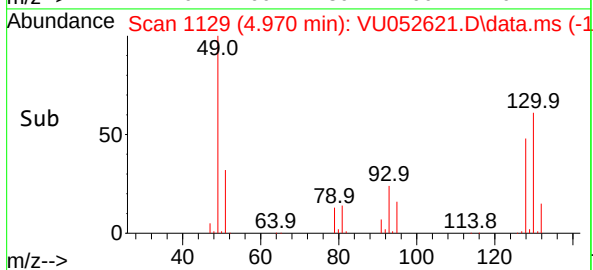
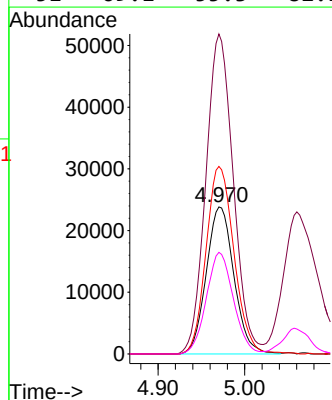
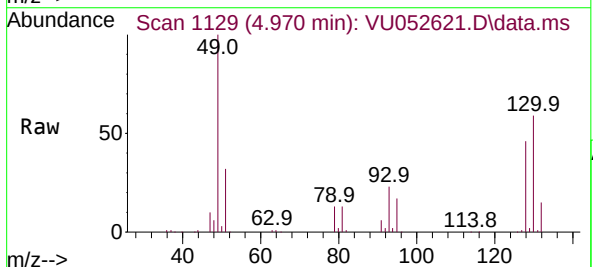
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

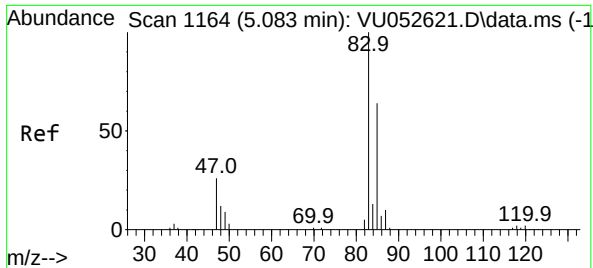
Tgt Ion: 43 Resp: 217672
Ion Ratio Lower Upper
43 100
72 24.9 12.4 37.4



#23
Bromochloromethane
Concen: 44.767 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion:128 Resp: 52898
Ion Ratio Lower Upper
128 100
49 217.6 152.3 282.9
130 127.5 89.2 165.8
51 69.1 55.3 82.9





#25

Chloroform

Concen: 48.000 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

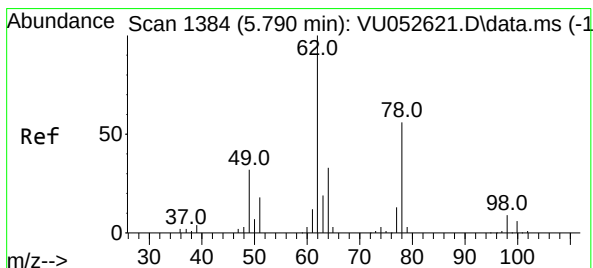
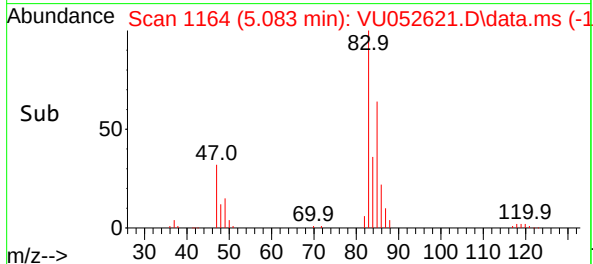
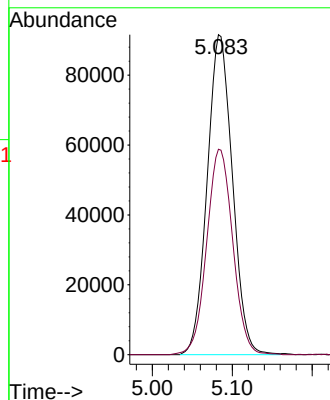
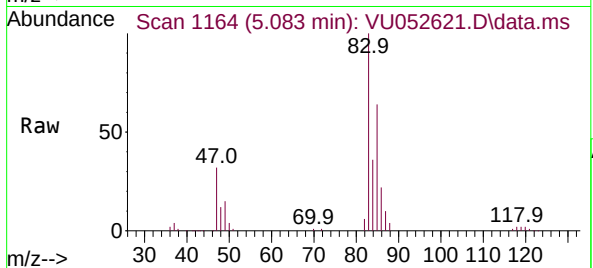
VSTD050063

Tgt Ion: 83 Resp: 201079

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5



#27

1,2-Dichloroethane

Concen: 50.778 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052621.D

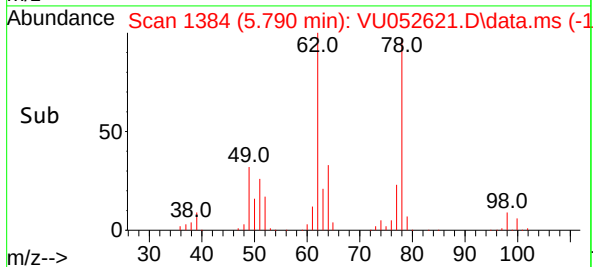
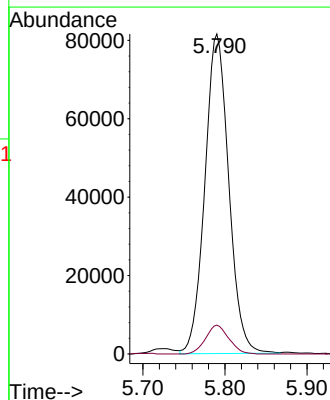
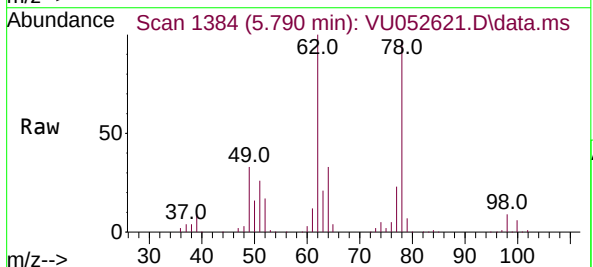
Acq: 06 Jan 2023 11:36

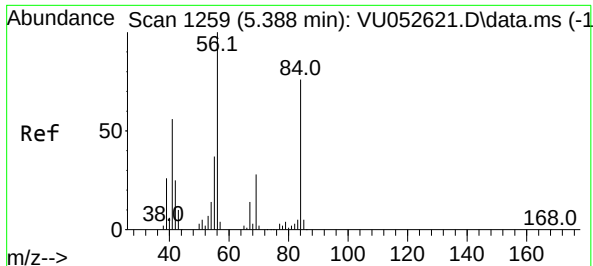
Tgt Ion: 62 Resp: 165015

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 53.316 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050063

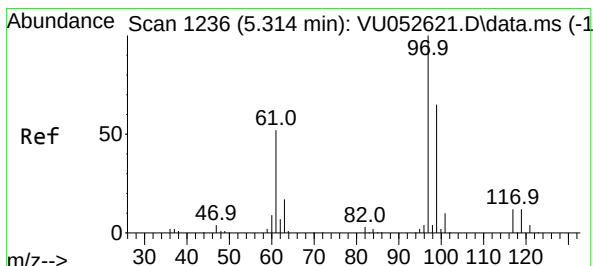
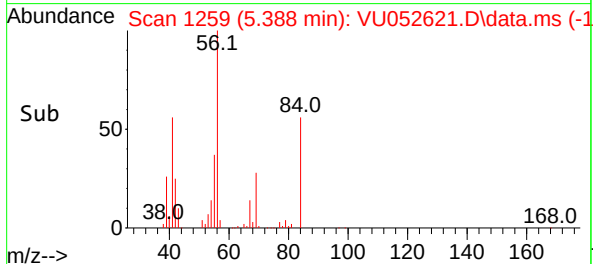
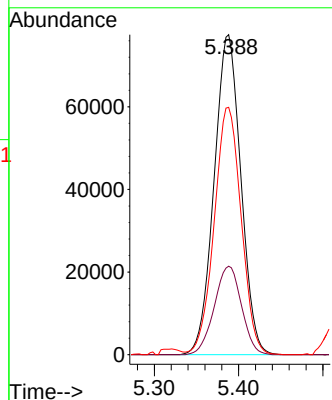
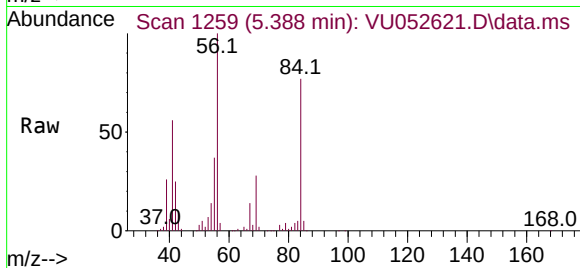
Tgt Ion: 56 Resp: 170854

Ion Ratio Lower Upper

56 100

69 28.1 22.5 33.7

84 77.9 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 44.523 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

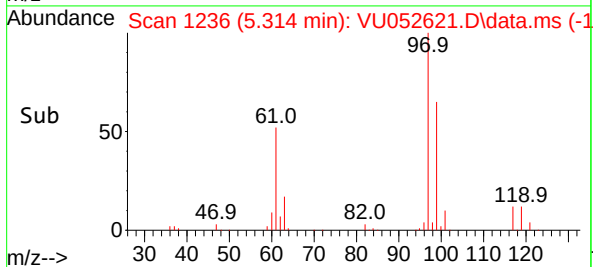
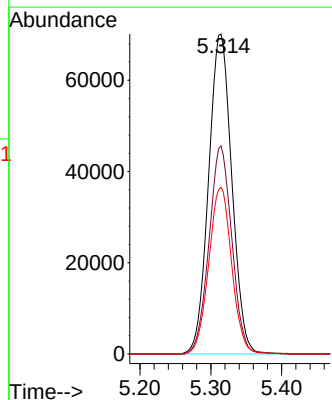
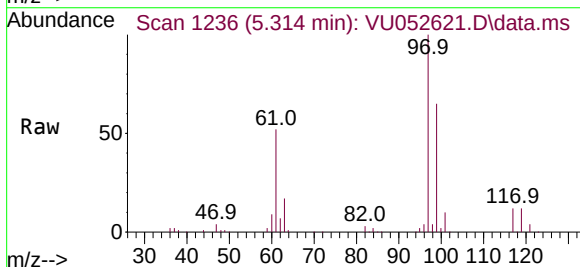
Tgt Ion: 97 Resp: 159552

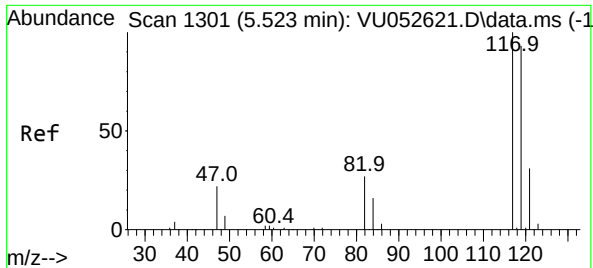
Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 51.5 41.2 61.8

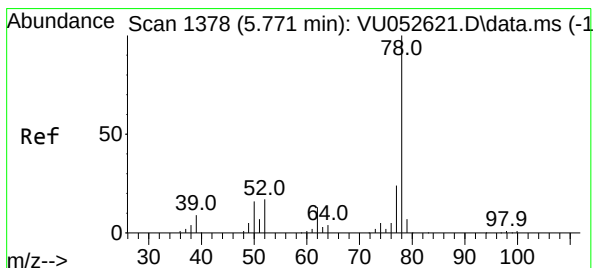
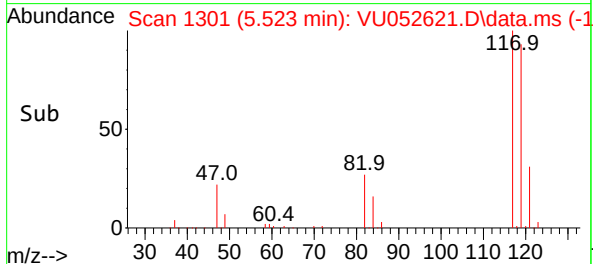
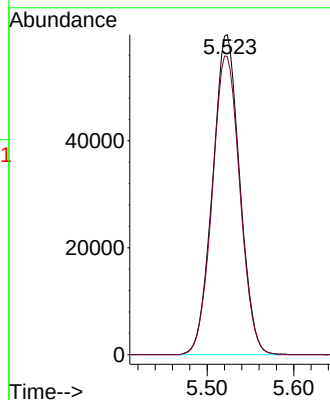
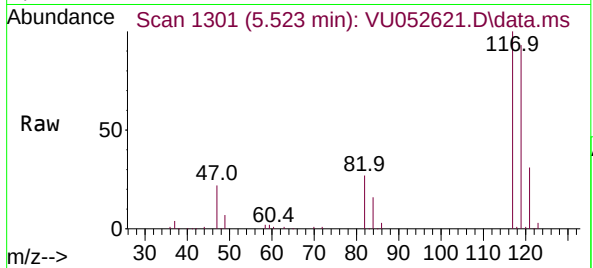




#31
Carbon tetrachloride
Concen: 42.249 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

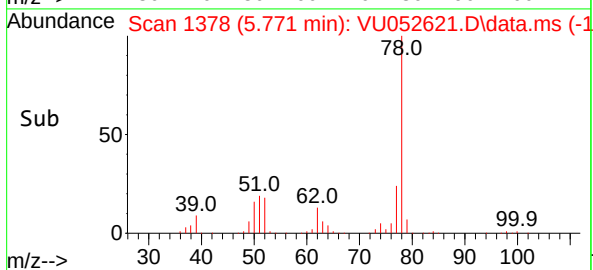
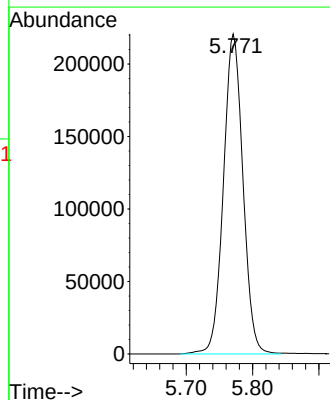
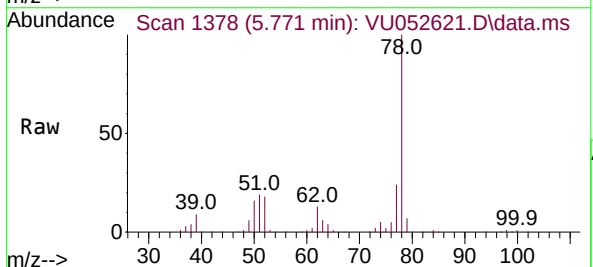
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

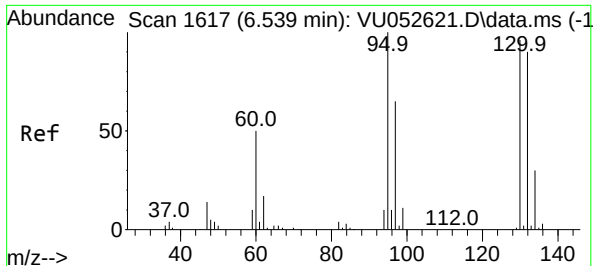
Tgt Ion:117 Resp: 130093
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 50.443 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 78 Resp: 451450



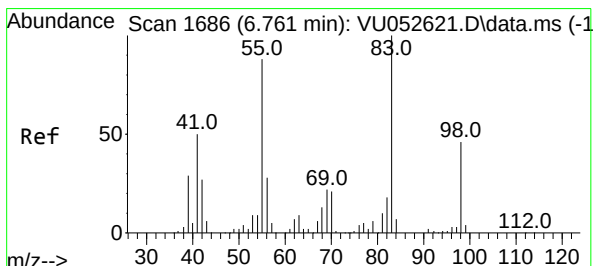
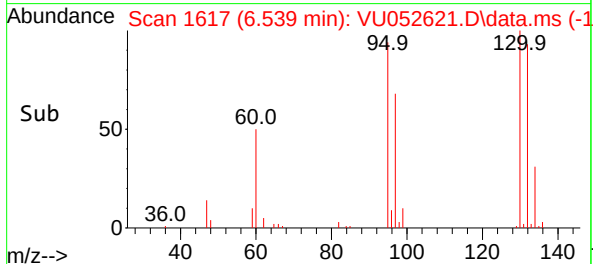
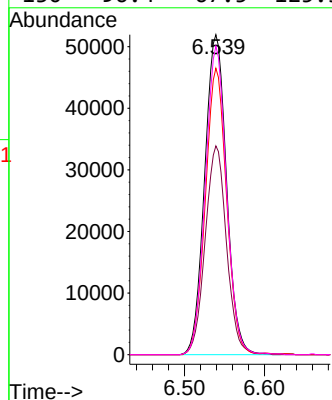
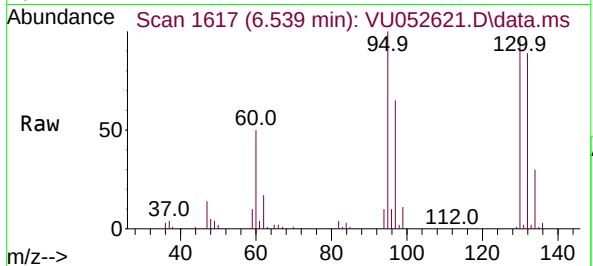


#34
Trichloroethene
Concen: 43.342 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

Tgt Ion: 95 Resp: 99012

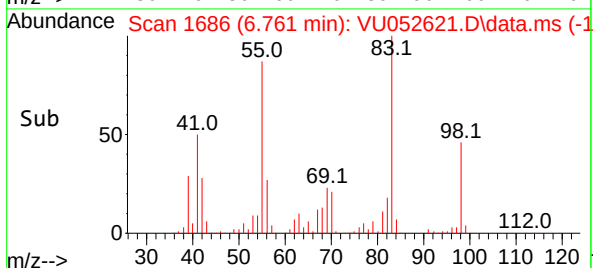
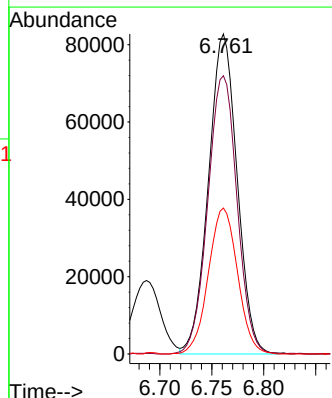
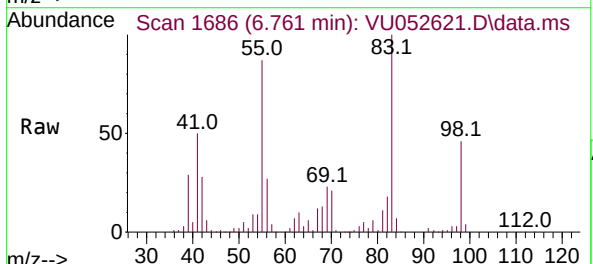
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.7	84.9
132	89.5	62.6	116.3
130	96.4	67.5	125.3

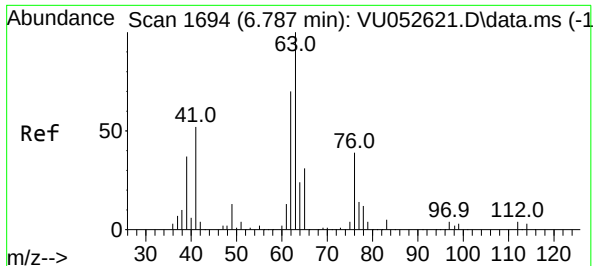


#35
Methylcyclohexane
Concen: 45.139 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 83 Resp: 159169

Ion	Ratio	Lower	Upper
83	100		
55	88.7	71.0	106.4
98	46.3	37.0	55.6

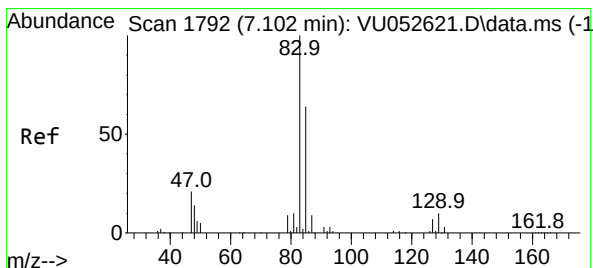
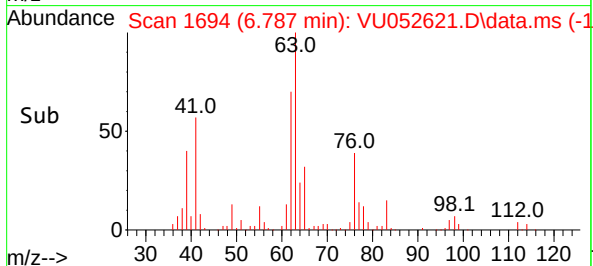
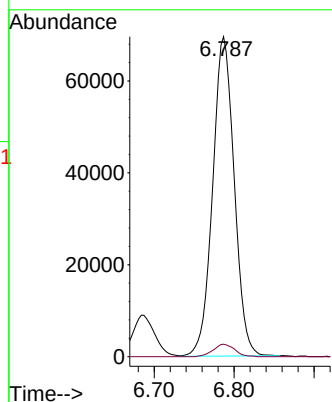
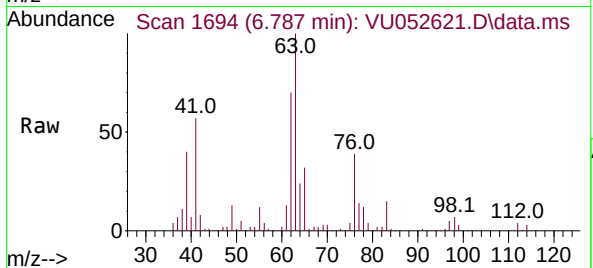




#37
1,2-Dichloropropane
Concen: 55.379 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

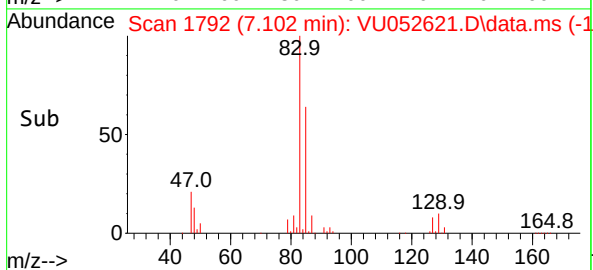
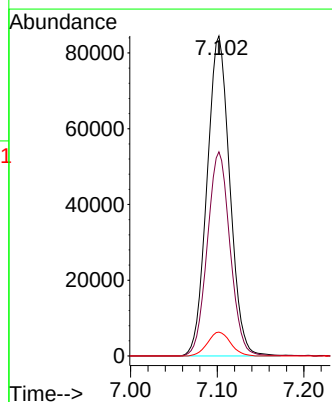
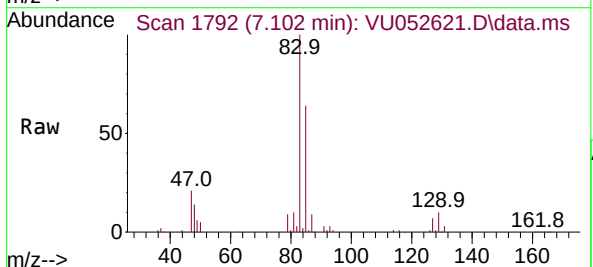
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

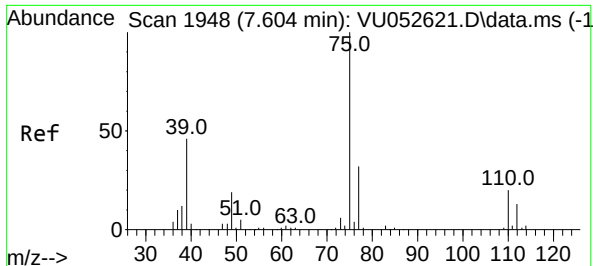
Tgt Ion: 63 Resp: 130008
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 49.155 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 83 Resp: 154199
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9
127 7.5 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 49.897 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

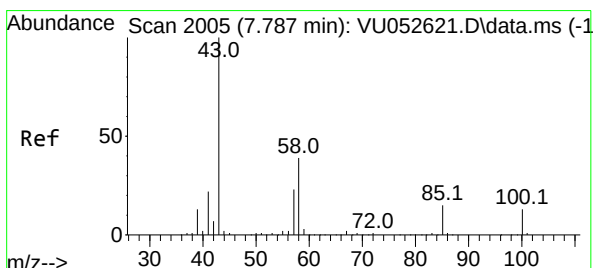
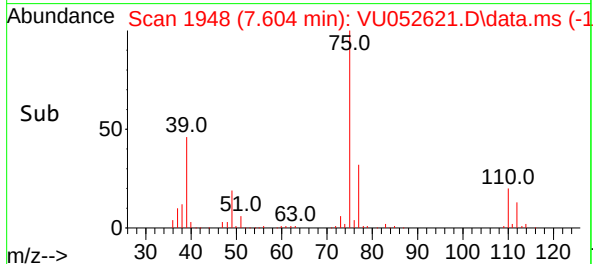
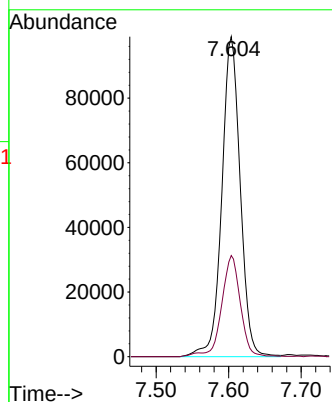
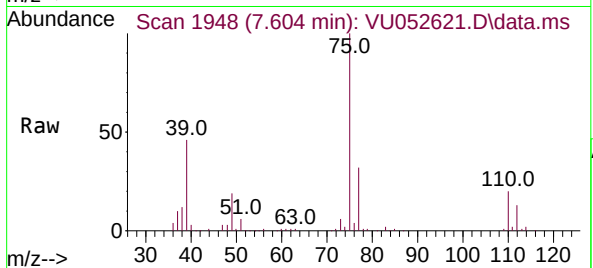
VSTD050063

Tgt Ion: 75 Resp: 174535

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 115.394 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

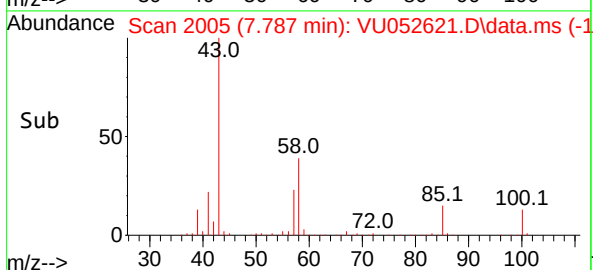
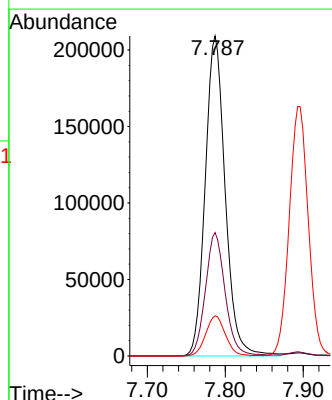
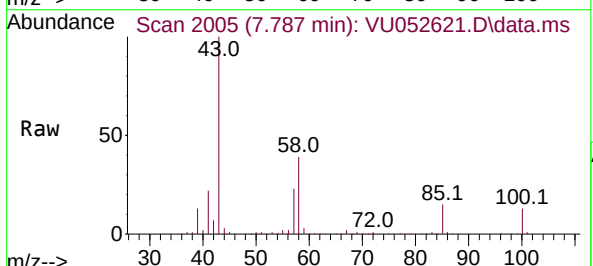
Tgt Ion: 43 Resp: 372255

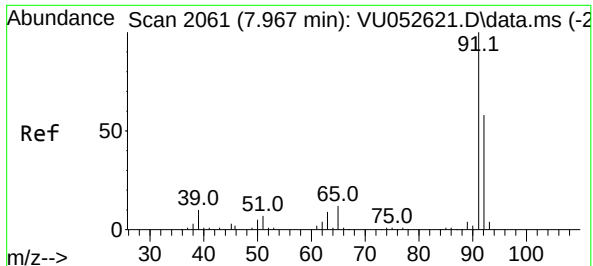
Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6

100 12.4 9.9 14.9





#42

Toluene

Concen: 47.829 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

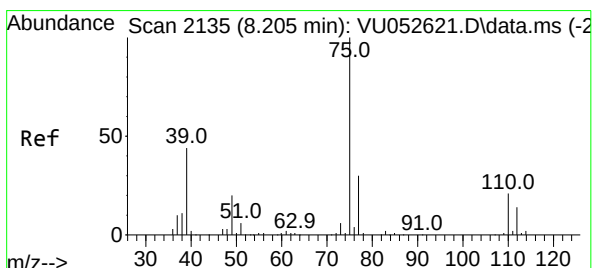
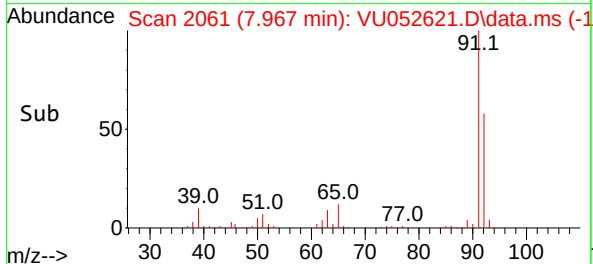
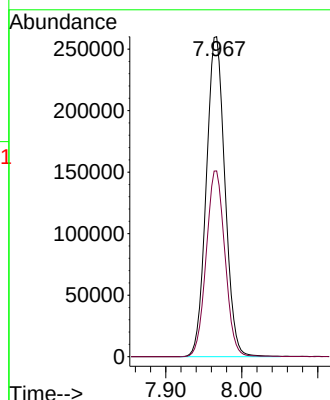
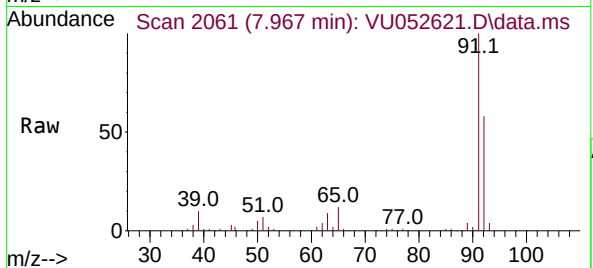
VSTD050063

Tgt Ion: 91 Resp: 442052

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 50.269 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU052621.D

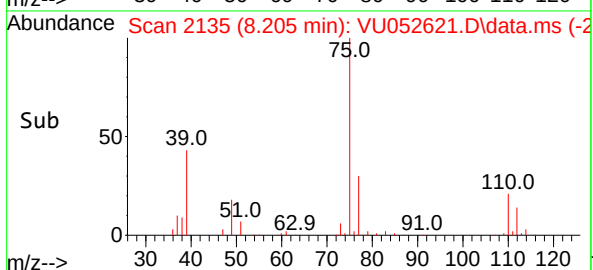
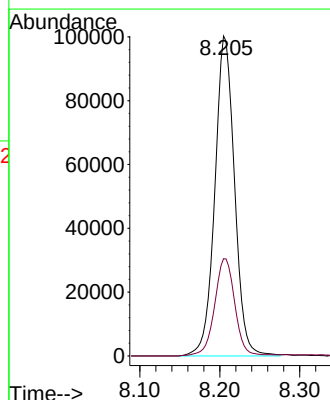
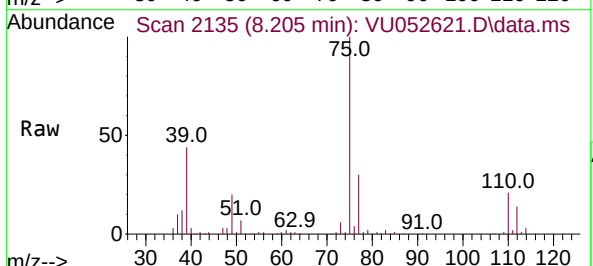
Acq: 06 Jan 2023 11:36

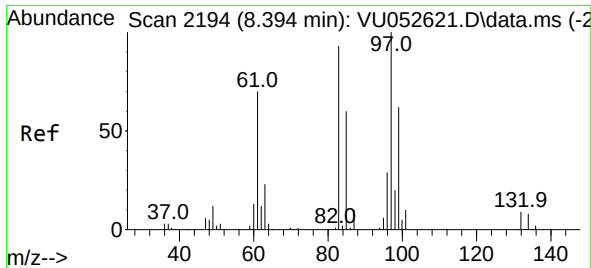
Tgt Ion: 75 Resp: 171609

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5



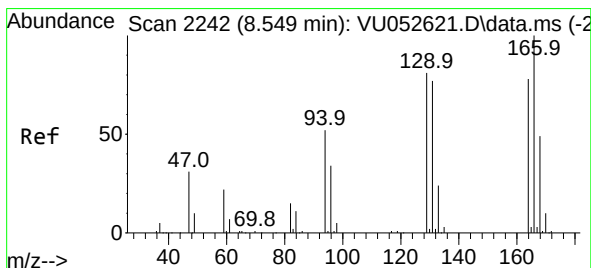
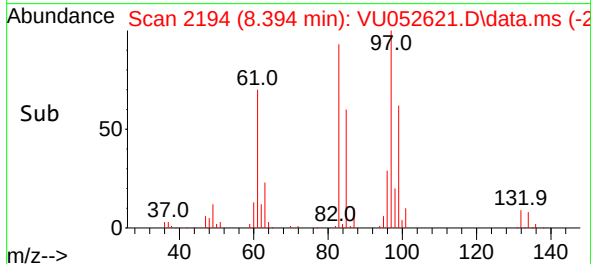
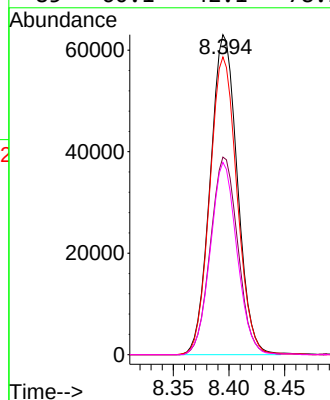
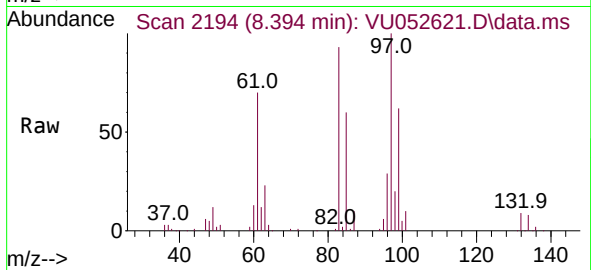


#45
1,1,2-Trichloroethane
Concen: 46.392 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

Tgt Ion: 97 Resp: 106862

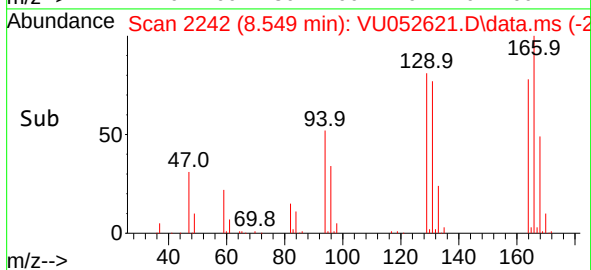
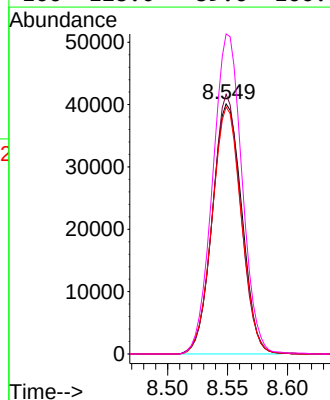
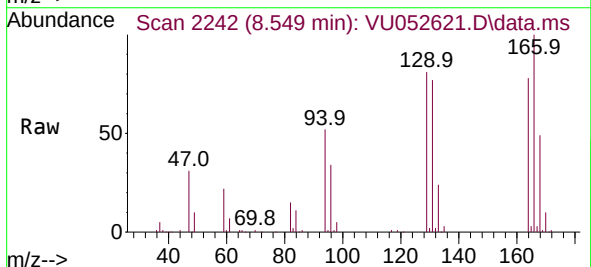
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	93.1	65.2	121.0
85	60.1	42.1	78.1

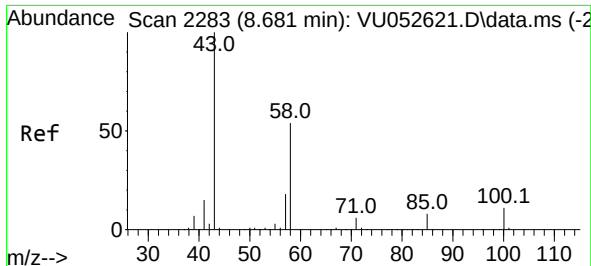


#46
Tetrachloroethene
Concen: 40.279 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 164 Resp: 68680

Ion	Ratio	Lower	Upper
164	100		
129	103.8	72.7	134.9
131	98.8	69.2	128.4
166	128.0	89.6	166.4



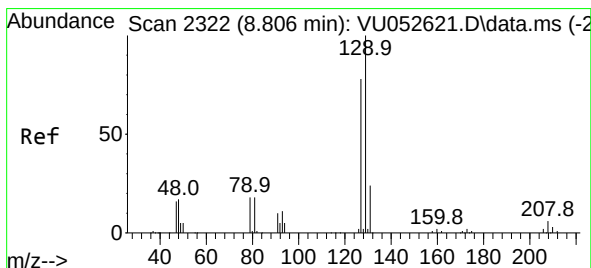
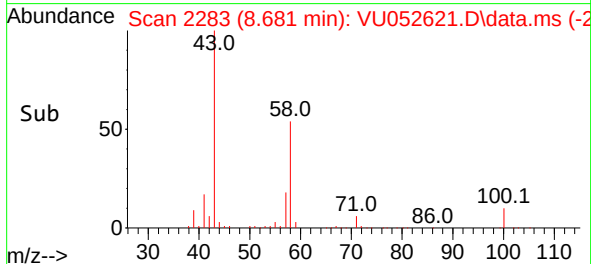
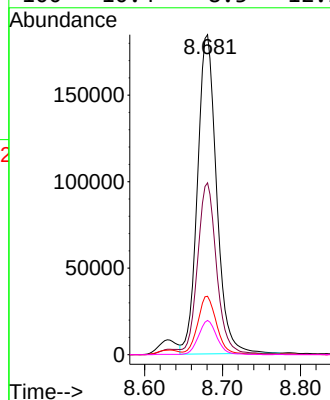
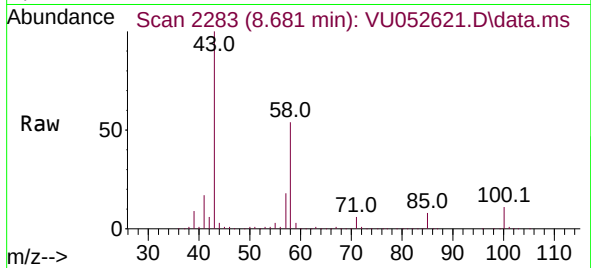


#48
2-Hexanone
Concen: 115.567 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

Tgt Ion: 43 Resp: 313541

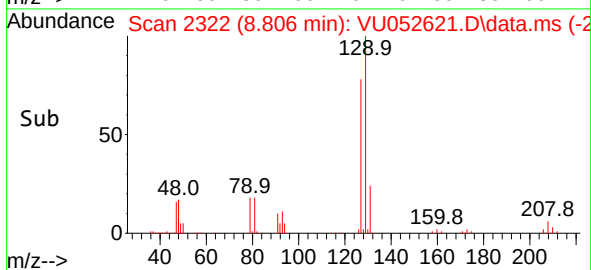
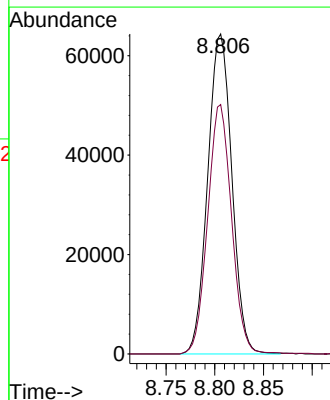
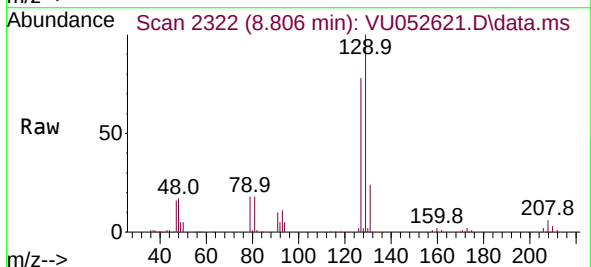
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.6	63.8
57	17.8	14.2	21.4
100	10.4	8.3	12.5

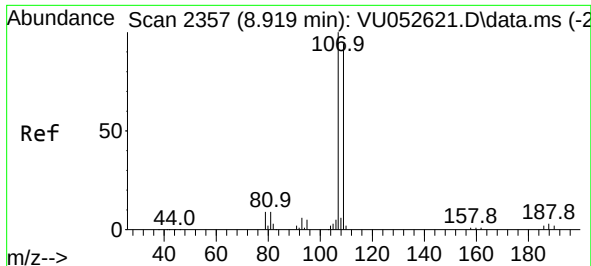


#49
Dibromochloromethane
Concen: 44.282 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 129 Resp: 111161

Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.5	101.3





#50

1,2-Dibromoethane

Concen: 45.549 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050063

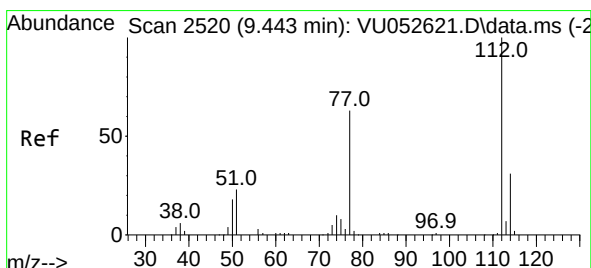
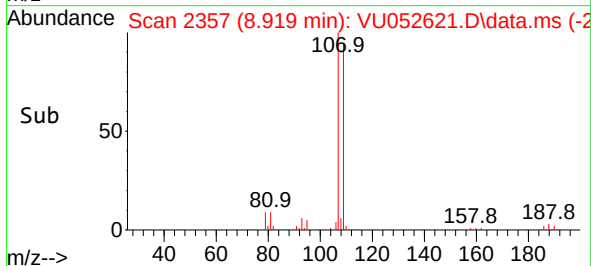
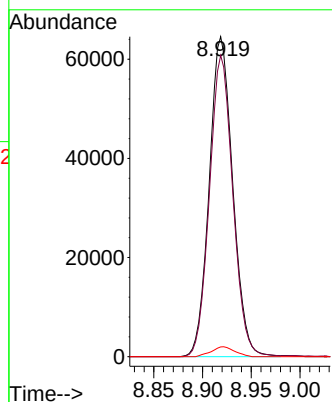
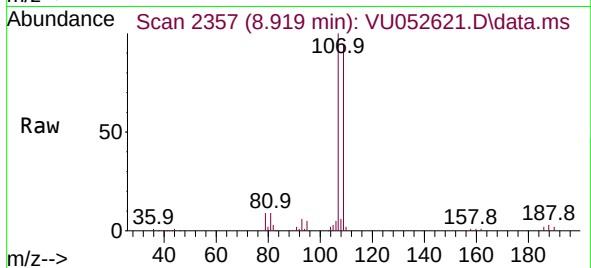
Tgt Ion:107 Resp: 108299

Ion Ratio Lower Upper

107 100

109 94.2 65.9 122.5

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 45.349 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

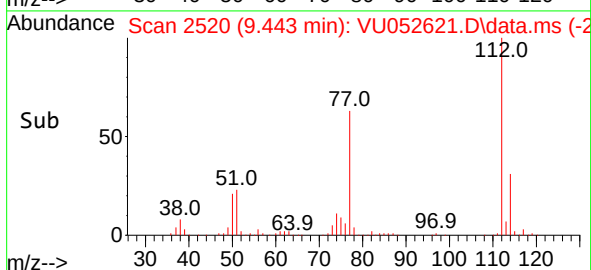
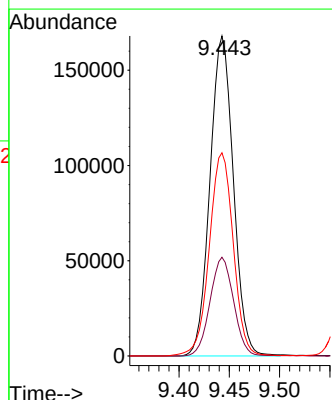
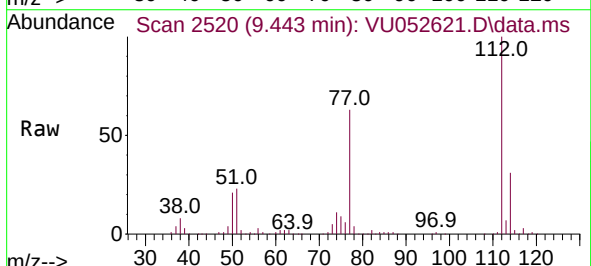
Tgt Ion:112 Resp: 271758

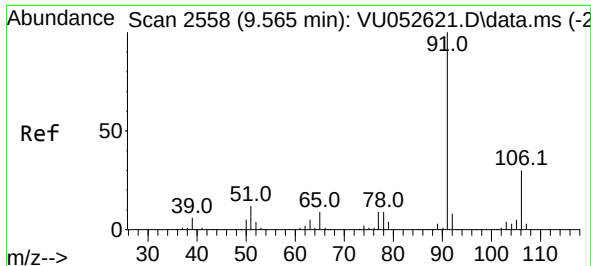
Ion Ratio Lower Upper

112 100

114 30.8 21.6 40.0

77 63.5 50.8 76.2

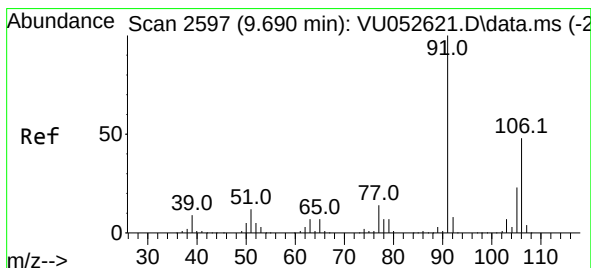
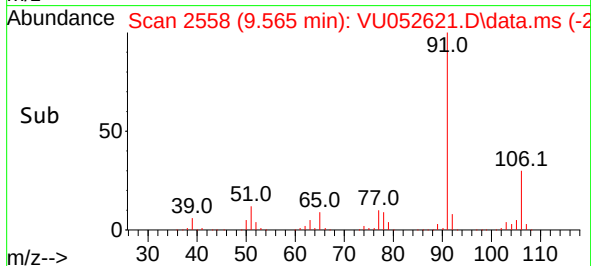
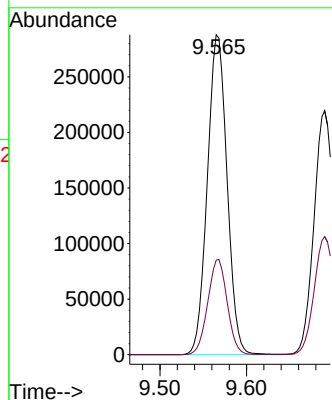
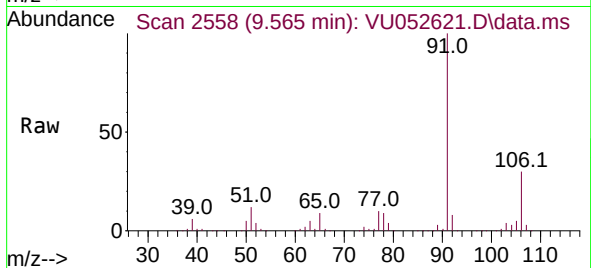




#52
Ethylbenzene
Concen: 46.635 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

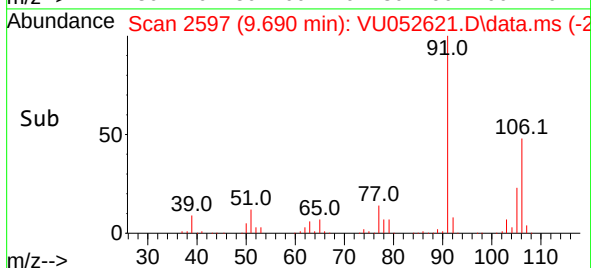
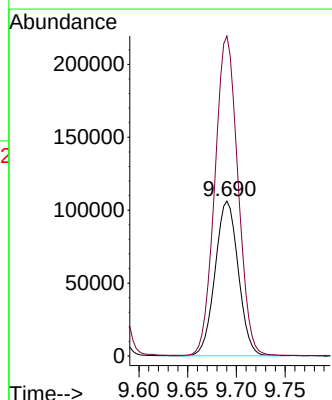
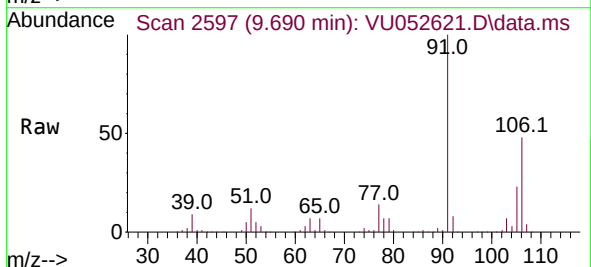
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

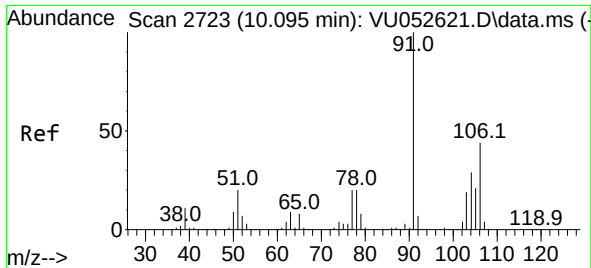
Tgt Ion: 91 Resp: 454948
Ion Ratio Lower Upper
91 100
106 29.6 20.7 38.5



#53
m,p-Xylene
Concen: 46.718 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion: 106 Resp: 175402
Ion Ratio Lower Upper
106 100
91 206.6 144.6 268.6

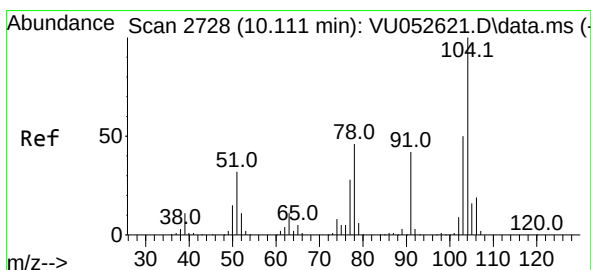
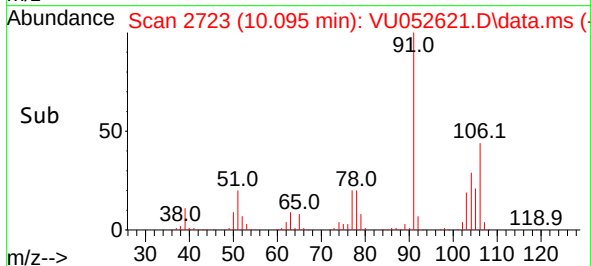
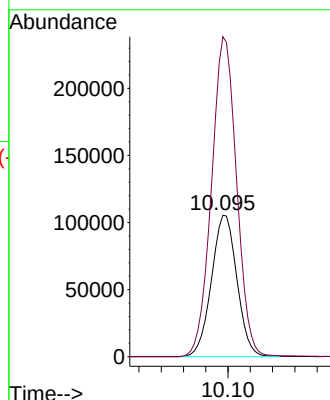
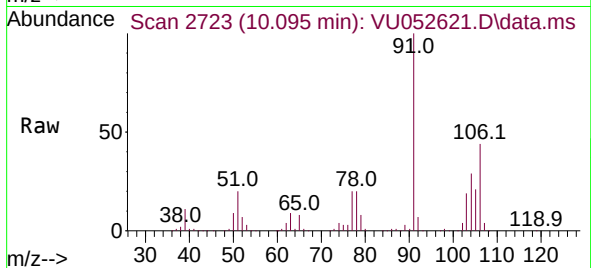




#54
o-xylene
Concen: 46.727 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

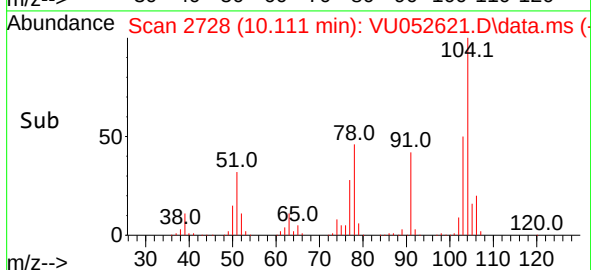
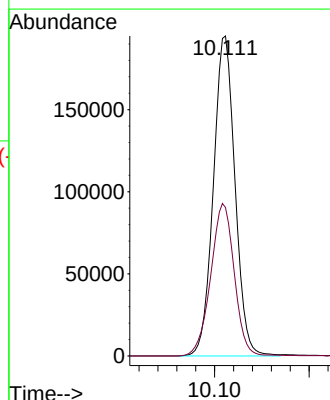
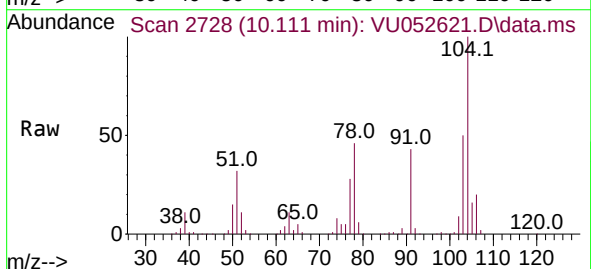
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

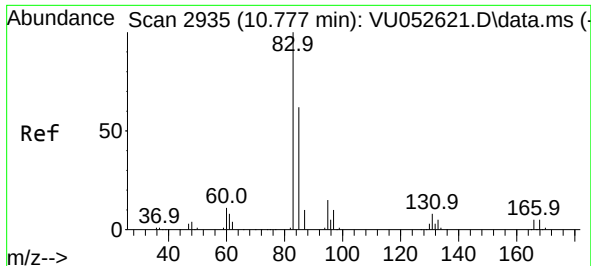
Tgt Ion:106 Resp: 167470
Ion Ratio Lower Upper
106 100
91 226.2 158.3 294.1



#55
Styrene
Concen: 48.890 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion:104 Resp: 309835
Ion Ratio Lower Upper
104 100
78 46.4 32.5 60.3



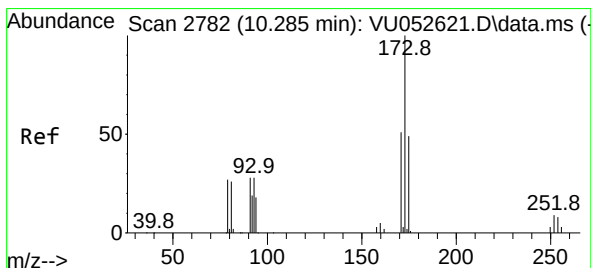
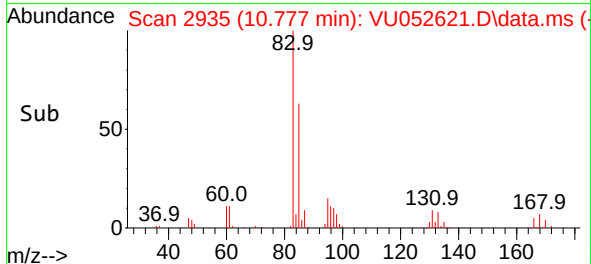
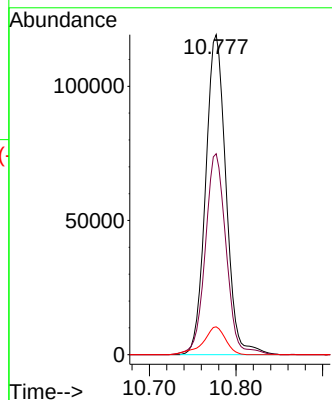
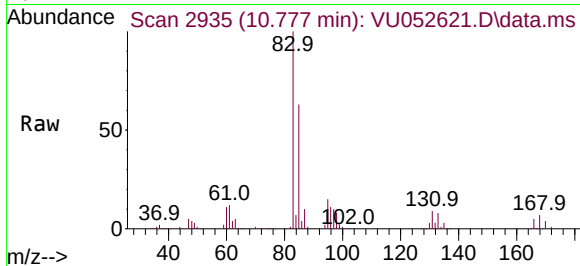


#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.868 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050063

Tgt Ion: 83 Resp: 194347

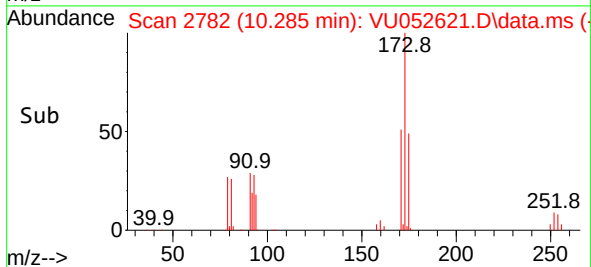
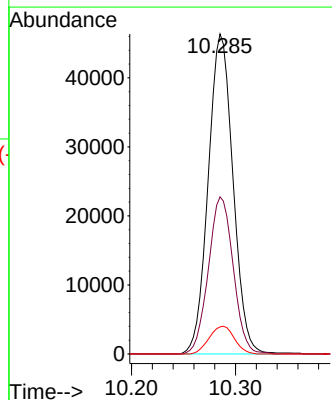
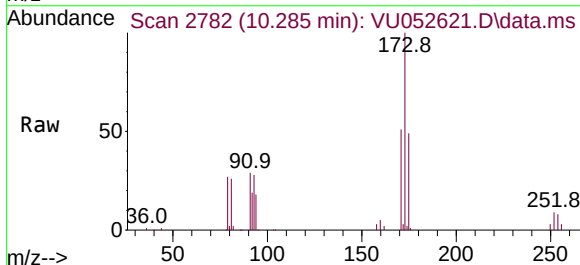
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.0	81.6
131	8.7	7.0	10.4

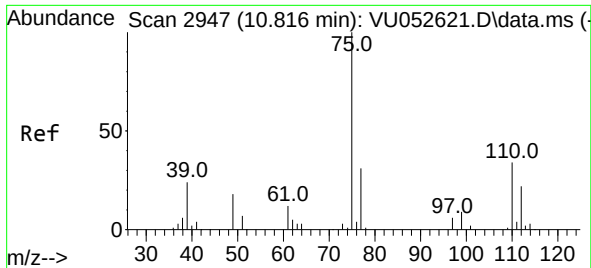


#59
 Bromoform
 Concen: 38.143 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

Tgt Ion: 173 Resp: 76708

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.4	59.0
254	8.8	7.0	10.6

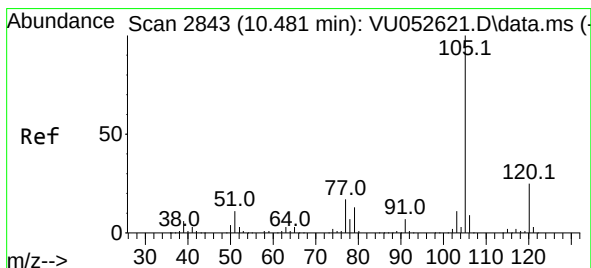
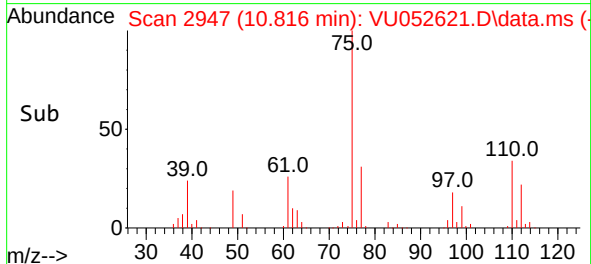
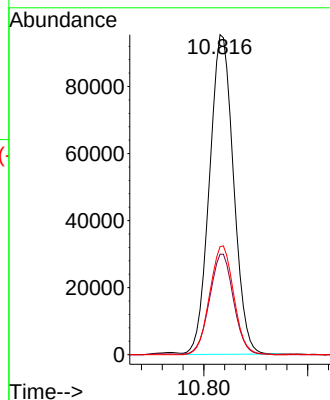
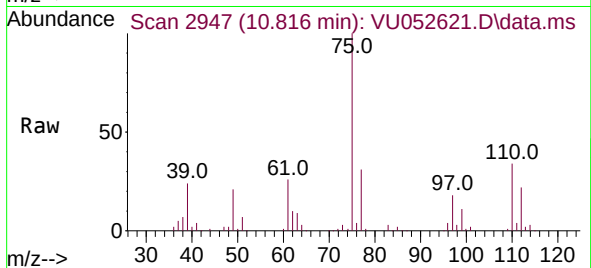




#60
1,2,3-Trichloropropane
Concen: 42.953 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

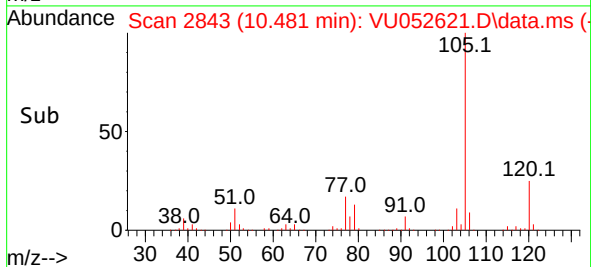
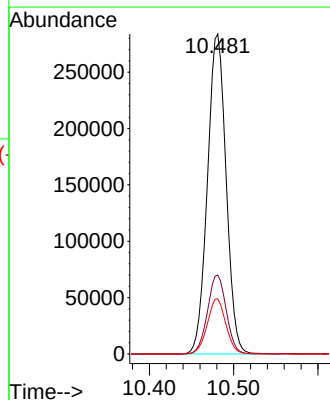
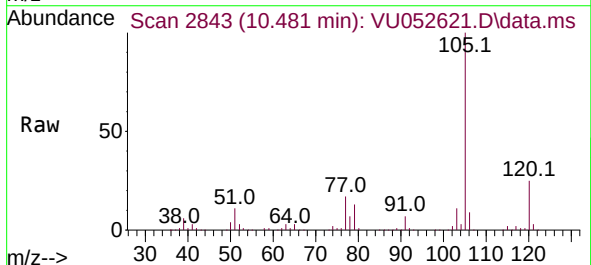
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

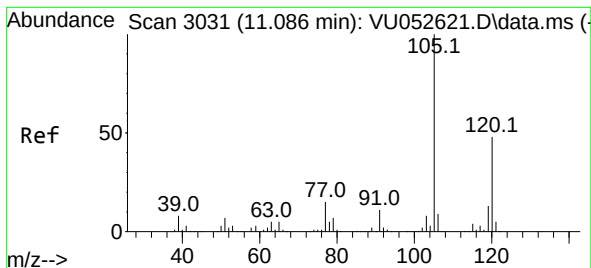
Tgt Ion:	75	Resp:	153147
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
110	34.1	27.3	40.9



#61
Isopropylbenzene
Concen: 43.064 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion:	105	Resp:	437362
Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8
77	17.2	13.8	20.6





#62

1,3,5-Trimethylbenzene

Concen: 42.202 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

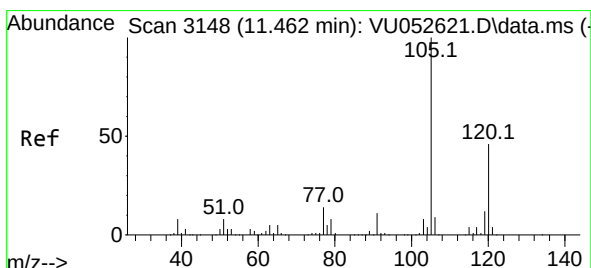
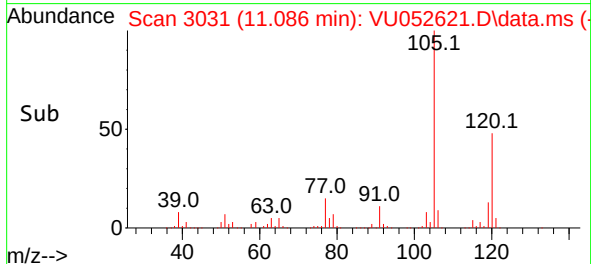
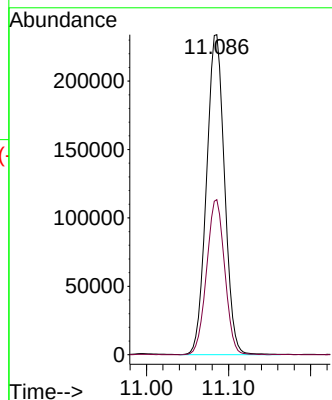
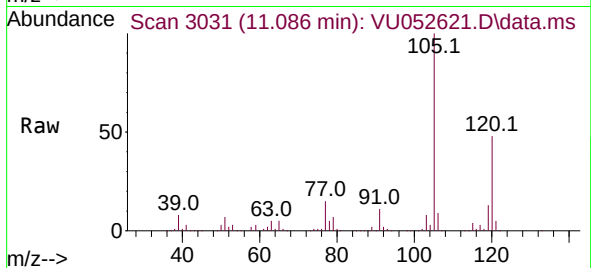
VSTD050063

Tgt Ion:105 Resp: 357303

Ion Ratio Lower Upper

105 100

120 48.5 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 42.531 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU052621.D

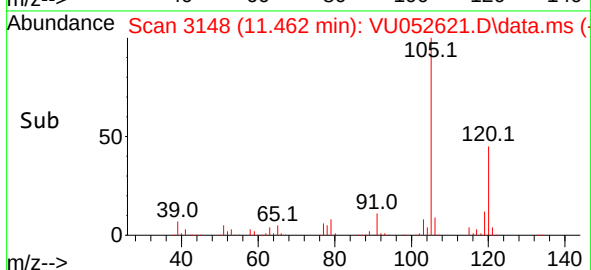
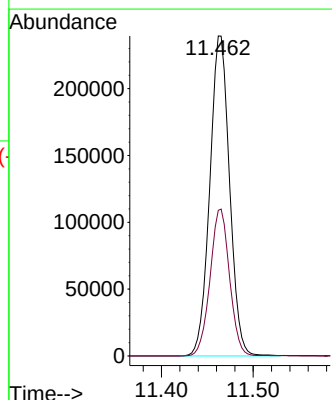
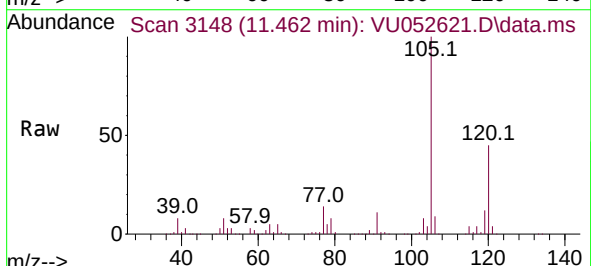
Acq: 06 Jan 2023 11:36

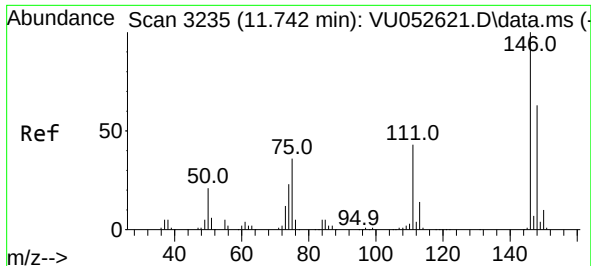
Tgt Ion:105 Resp: 358938

Ion Ratio Lower Upper

105 100

120 45.1 36.1 54.1

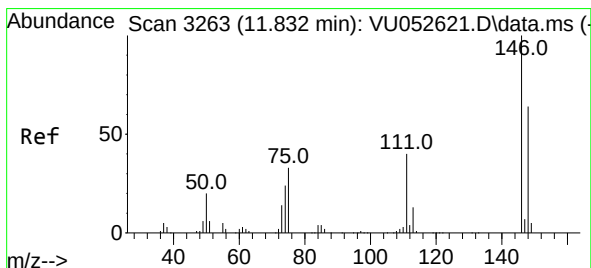
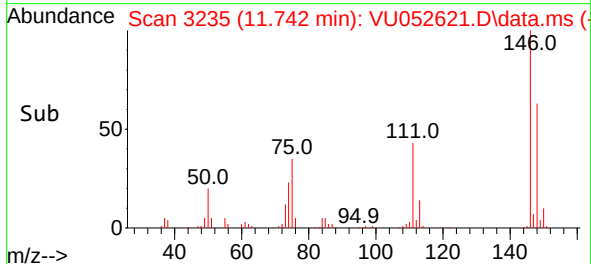
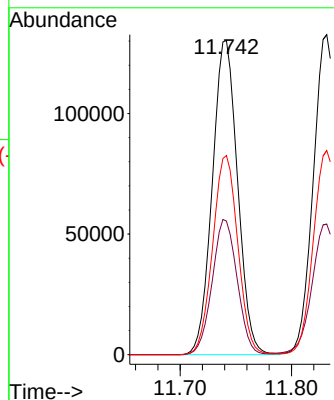
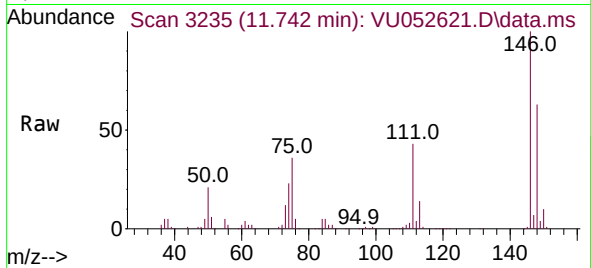




#64
1,3-Dichlorobenzene
Concen: 40.271 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

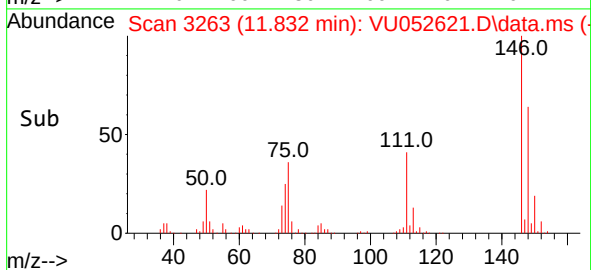
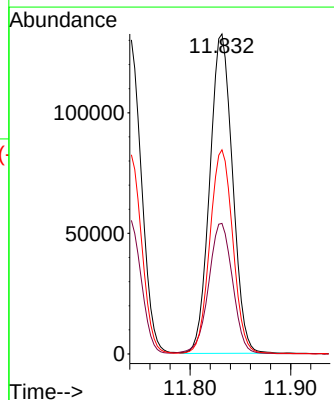
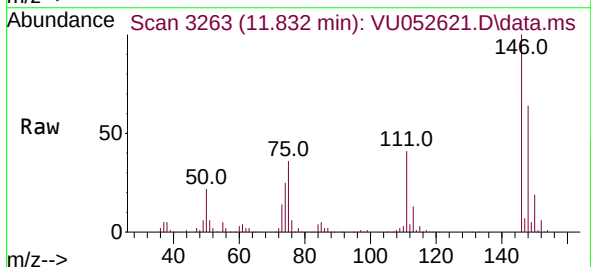
Instrument :
MSVOA_U
ClientSampleId :
VSTD050063

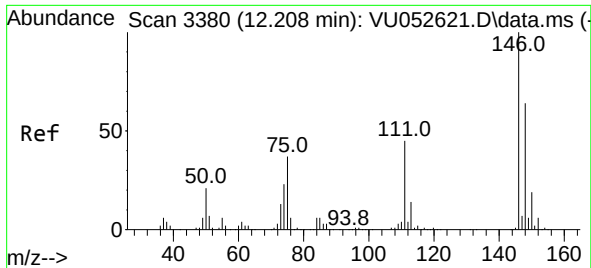
Tgt Ion:146 Resp: 205743
Ion Ratio Lower Upper
146 100
111 42.5 29.8 55.3
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 39.221 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052621.D
Acq: 06 Jan 2023 11:36

Tgt Ion:146 Resp: 208855
Ion Ratio Lower Upper
146 100
111 40.8 28.6 53.0
148 63.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 40.252 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050063

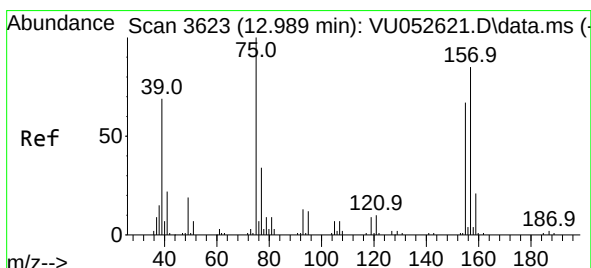
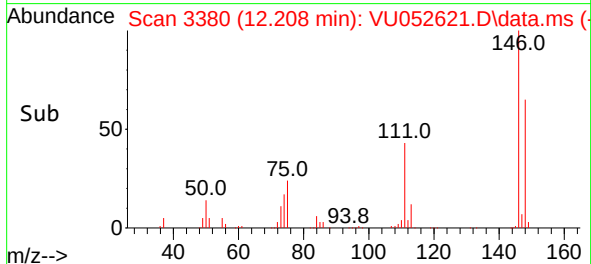
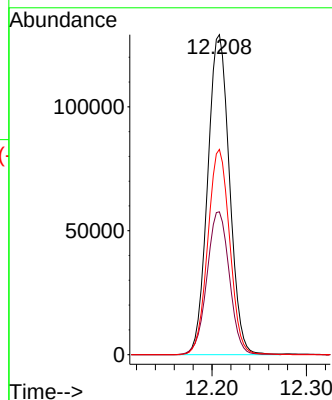
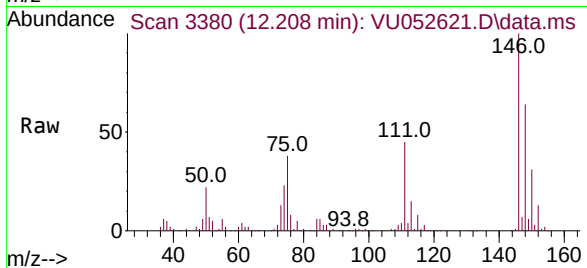
Tgt Ion:146 Resp: 206947

Ion Ratio Lower Upper

146 100

111 44.6 35.7 53.5

148 64.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 40.147 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

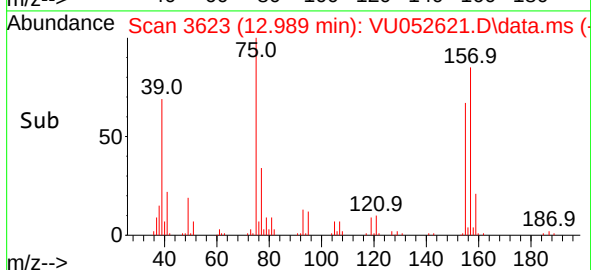
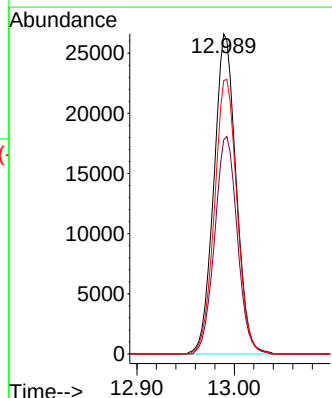
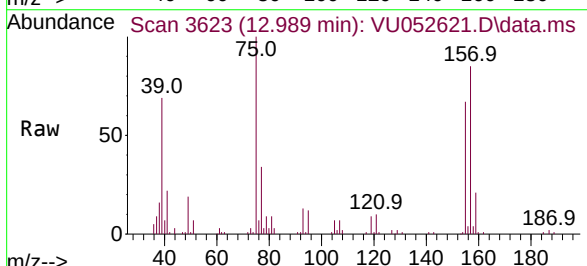
Tgt Ion: 75 Resp: 42217

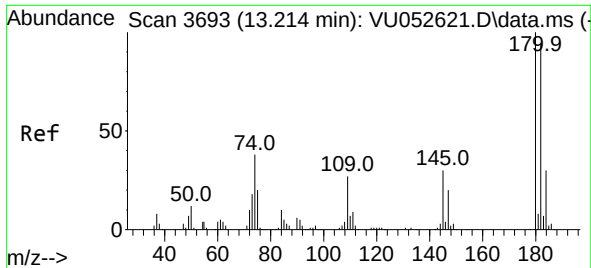
Ion Ratio Lower Upper

75 100

155 66.9 53.5 80.3

157 85.5 68.4 102.6

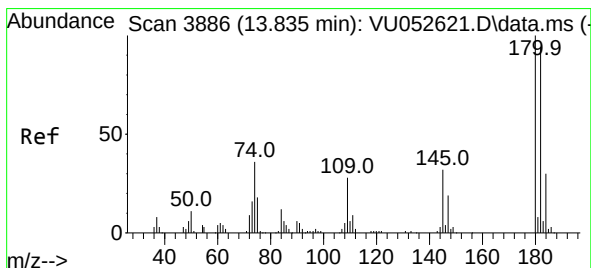
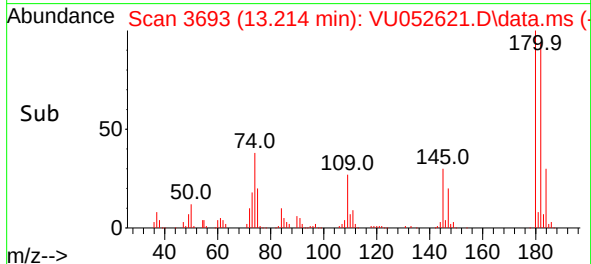
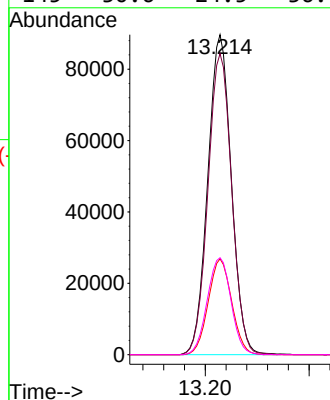
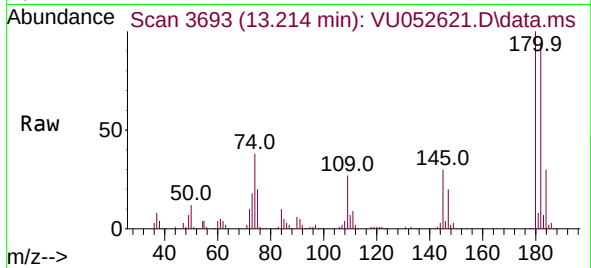




#69
 1,3,5-Trichlorobenzene
 Concen: 36.470 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

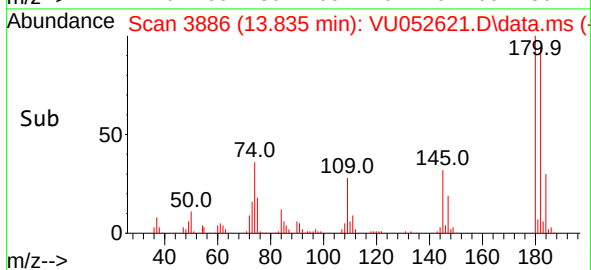
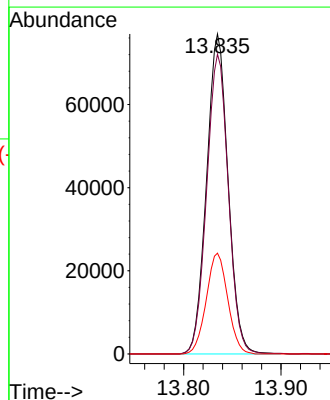
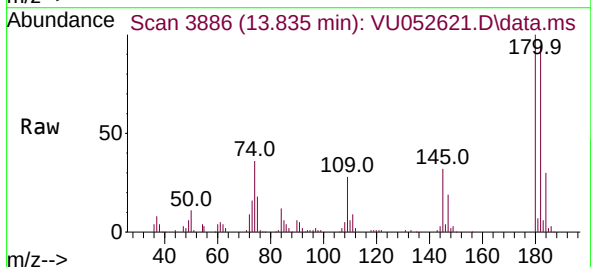
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050063

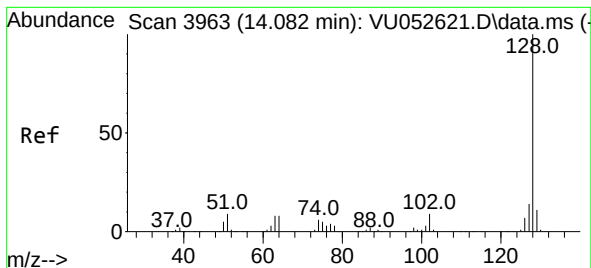
Tgt Ion:	180	Resp:	140958
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.9	113.9
184	29.8	23.8	35.8
145	30.6	24.5	36.7



#70
 1,2,4-trichlorobenzene
 Concen: 36.214 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052621.D
 Acq: 06 Jan 2023 11:36

Tgt Ion:	180	Resp:	118285
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.4	113.0
145	31.3	25.0	37.6





#71

Naphthalene

Concen: 37.019 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050063

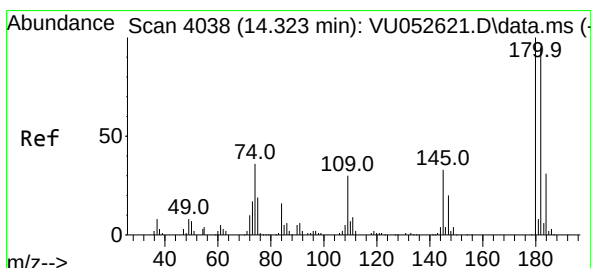
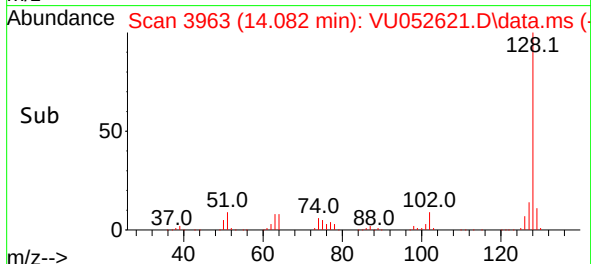
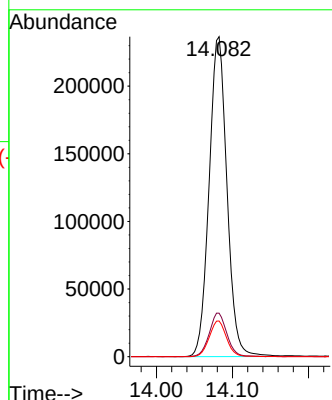
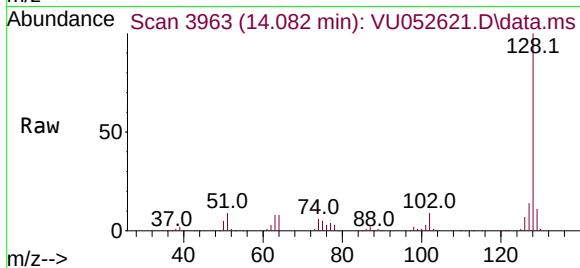
Tgt Ion:128 Resp: 385577

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 38.611 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052621.D

Acq: 06 Jan 2023 11:36

Tgt Ion:180 Resp: 127958

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 33.7 27.0 40.4

