

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052633.D
 Acq On : 06 Jan 2023 18:07
 Operator : JC/MD
 Sample : VSTDCCC0050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

Quant Time: Jan 07 01:37:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:30:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	309138	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	313233	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	177056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	160660	46.139	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.280%
7) Chloroethane-d5	1.906	69	116393	42.723	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.440%
11) 1,1-Dichloroethene-d2	2.565	63	267182	46.661	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.320%
21) 2-Butanone-d5	4.623	46	315035	142.962	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	142.960%#
24) Chloroform-d	5.060	84	260523	47.599	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.697	65	175681	48.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
32) Benzene-d6	5.723	84	523675	48.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.680%
36) 1,2-Dichloropropane-d6	6.687	67	184914	48.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.160%
41) Toluene-d8	7.893	98	457502	49.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
43) trans-1,3-Dichloroprop...	8.176	79	83303	50.370	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.740%
47) 2-Hexanone-d5	8.639	63	213460	159.161	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	159.160%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	293759	58.588	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.180%
66) 1,2-Dichlorobenzene-d4	12.189	152	170546	50.168	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124685	46.703	ug/L	99
3) Chloromethane	1.523	50	180485	48.841	ug/L	99
5) Vinyl chloride	1.604	62	163511	47.578	ug/L	99
6) Bromomethane	1.855	94	79480	48.420	ug/L	96
8) Chloroethane	1.929	64	95772	43.173	ug/L	100
9) Trichlorofluoromethane	2.131	101	186879	47.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	109883	46.686	ug/L	100
12) 1,1-Dichloroethene	2.578	96	103850	47.753	ug/L	86
13) Acetone	2.633	43	223117	99.880	ug/L	99
14) Carbon disulfide	2.790	76	309846	46.412	ug/L	99
15) Methyl Acetate	2.948	43	229007	65.993	ug/L	99
16) Methylene chloride	3.044	84	143803	49.692	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	111826	49.218	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	403604	55.039	ug/L	100
19) 1,1-Dichloroethane	3.864	63	260226	49.791	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	130164	51.323	ug/L	100
22) 2-Butanone	4.703	43	352248	134.855	ug/L	98
23) Bromochloromethane	4.970	128	65127	50.341	ug/L	99
25) Chloroform	5.083	83	246916	49.978	ug/L	98

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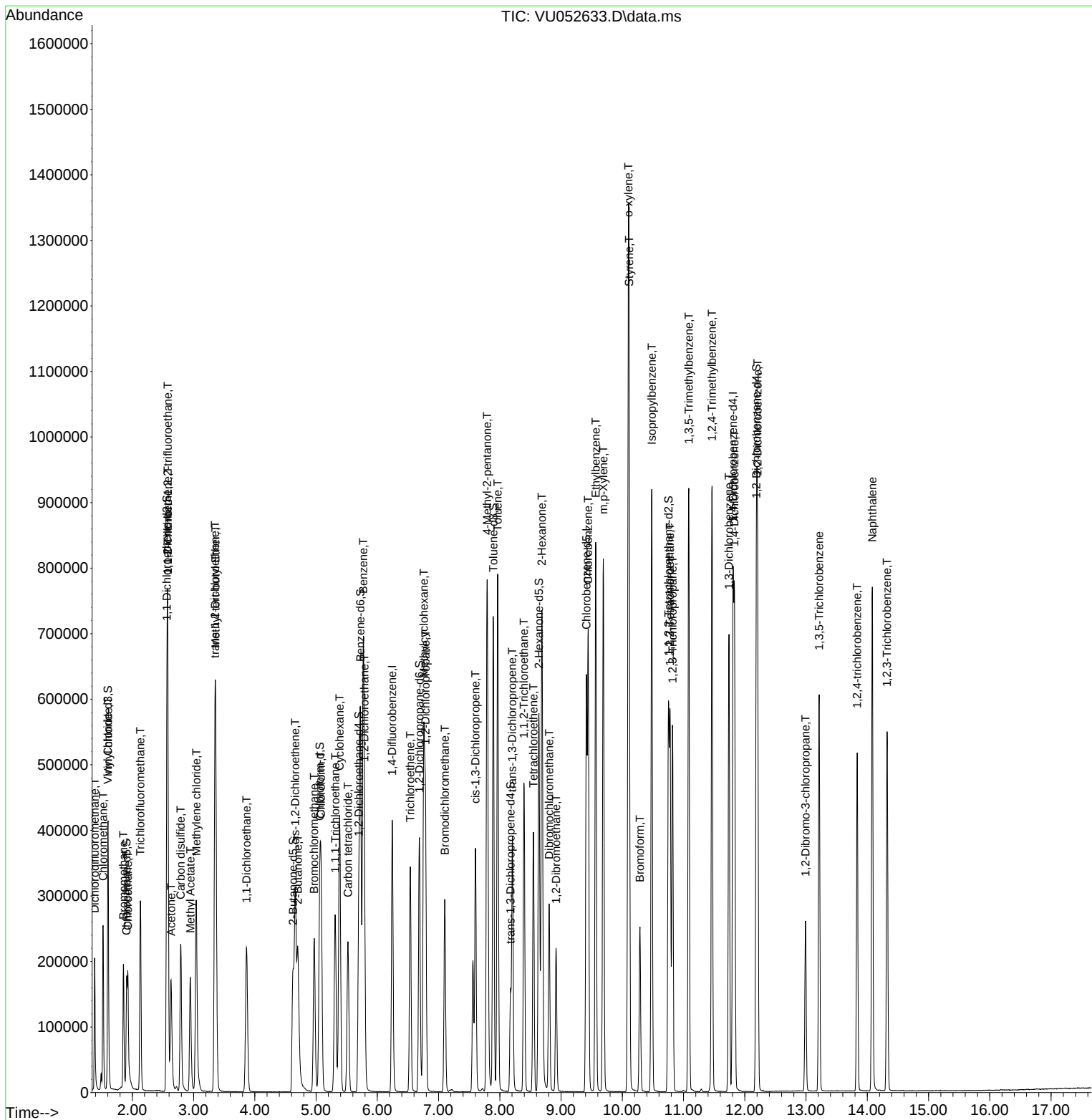
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

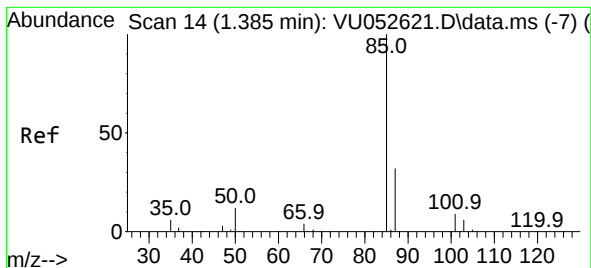
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	207976	50.995	ug/L	100
29) Cyclohexane	5.385	56	208596	50.125	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	192055	47.878	ug/L	99
31) Carbon tetrachloride	5.520	117	152977	46.111	ug/L	99
33) Benzene	5.771	78	549673	50.104	ug/L	100
34) Trichloroethene	6.539	95	117219	46.891	ug/L	99
35) Methylcyclohexane	6.761	83	191099	48.639	ug/L	100
37) 1,2-Dichloropropane	6.787	63	162015	50.167	ug/L	99
38) Bromodichloromethane	7.102	83	192746	49.778	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	216646	50.858	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	631576	146.185	ug/L	99
42) Toluene	7.967	91	543714	51.533	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	215350	52.458	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	137924	51.946	ug/L	99
46) Tetrachloroethene	8.549	164	81242	47.358	ug/L	97
48) 2-Hexanone	8.687	43	526143	147.685	ug/L	98
49) Dibromochloromethane	8.806	129	141203	50.997	ug/L	98
50) 1,2-Dibromoethane	8.919	107	143706	53.638	ug/L	100
51) Chlorobenzene	9.443	112	338454	50.439	ug/L	98
52) Ethylbenzene	9.565	91	564633	51.620	ug/L	99
53) m,p-Xylene	9.690	106	219123	53.639	ug/L	98
54) o-xylene	10.099	106	216251	55.163	ug/L	97
55) Styrene	10.111	104	399263	57.162	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	292650	60.609	ug/L	98
59) Bromoform	10.288	173	109164	55.467	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	238617	60.712	ug/L	99
61) Isopropylbenzene	10.481	105	555076	53.124	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	470306	55.201	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	474956	56.407	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	259057	51.497	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	263974	49.804	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	268614	51.955	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	70823	64.862	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	170423	47.973	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	141222	46.725	ug/L	99
71) Naphthalene	14.082	128	558663	59.801	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	156474	50.392	ug/L	98

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

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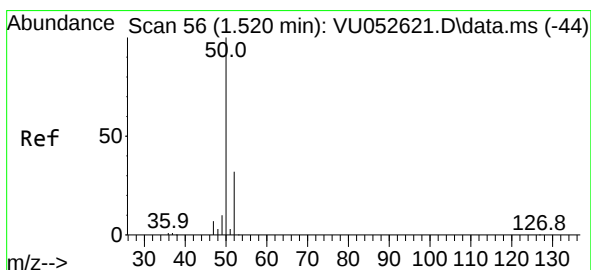
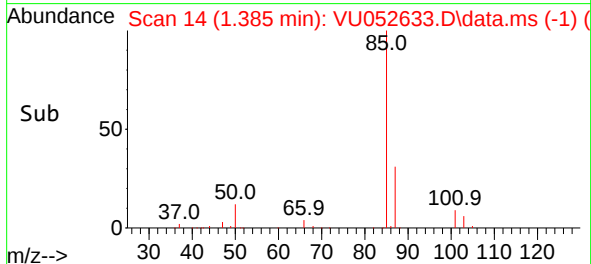
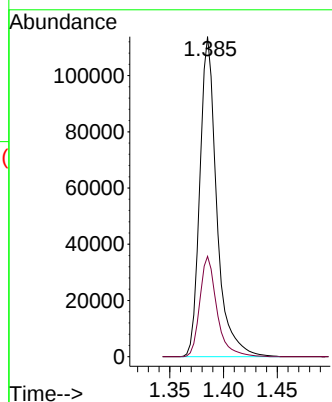
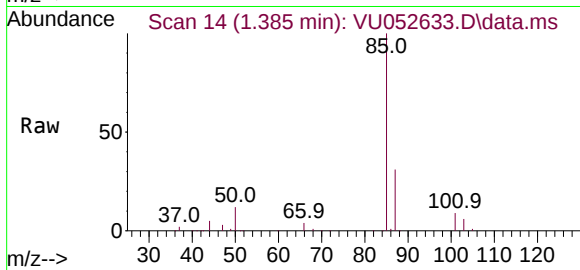




#2
Dichlorodifluoromethane
Concen: 46.703 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

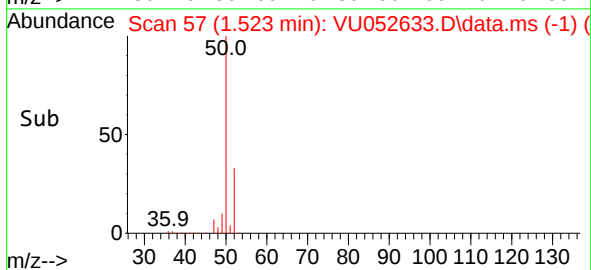
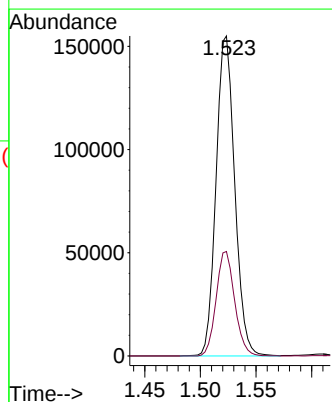
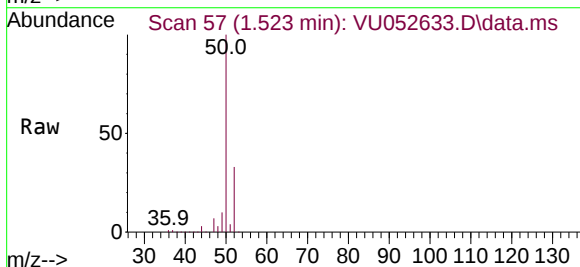
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

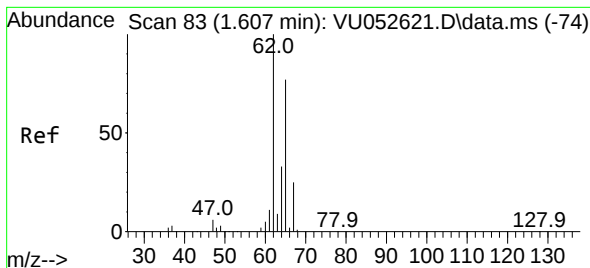
Tgt Ion: 85 Resp: 124685
Ion Ratio Lower Upper
85 100
87 31.6 25.5 38.3



#3
Chloromethane
Concen: 48.841 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 50 Resp: 180485
Ion Ratio Lower Upper
50 100
52 32.7 22.3 41.5





#5

Vinyl chloride

Concen: 47.578 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

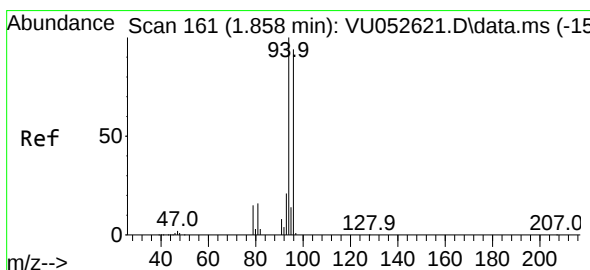
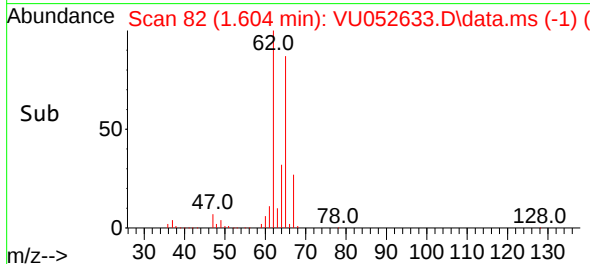
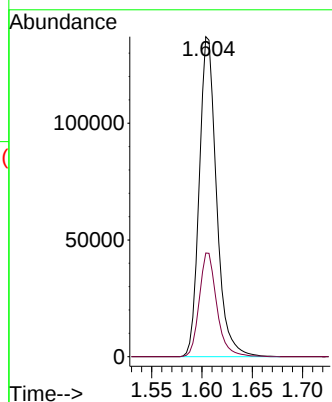
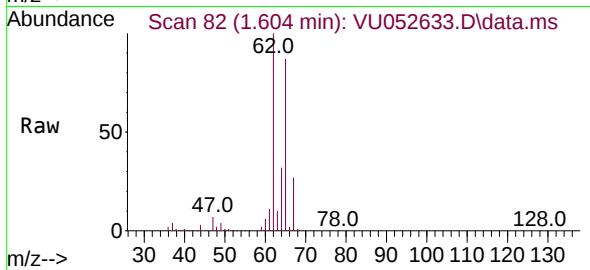
VSTD050138

Tgt Ion: 62 Resp: 163511

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 48.420 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052633.D

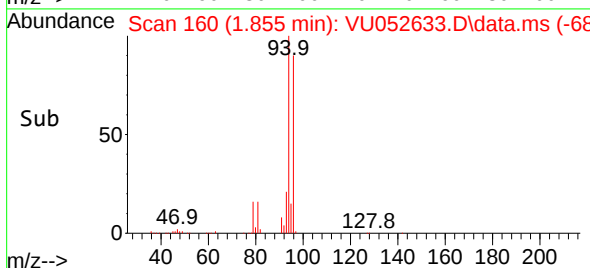
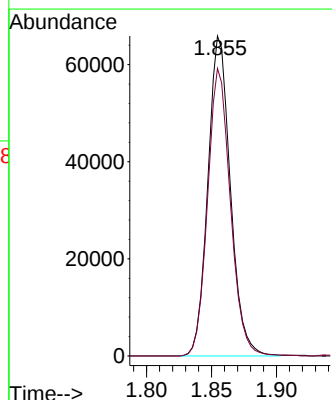
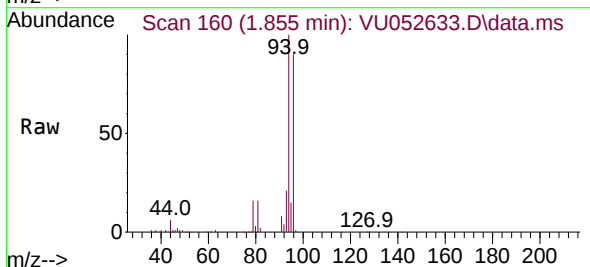
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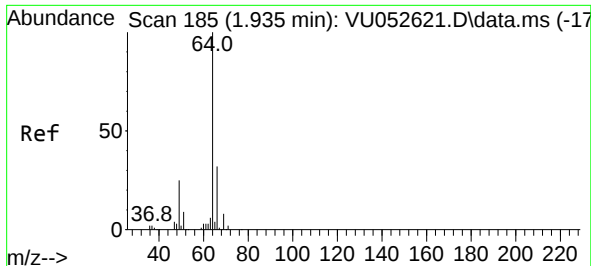
Tgt Ion: 94 Resp: 79480

Ion Ratio Lower Upper

94 100

96 89.9 65.8 122.2

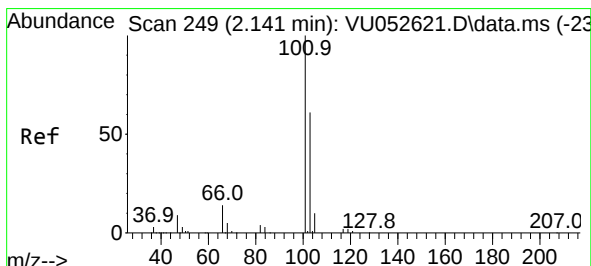
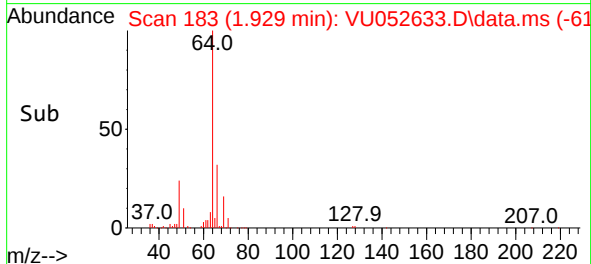
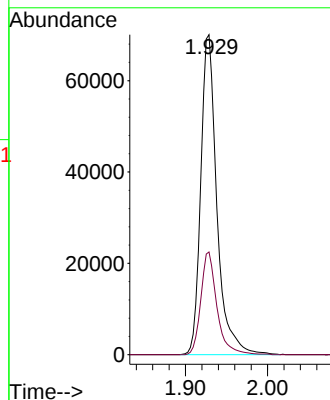
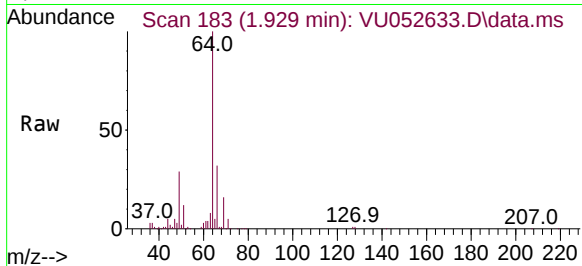




#8
Chloroethane
Concen: 43.173 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

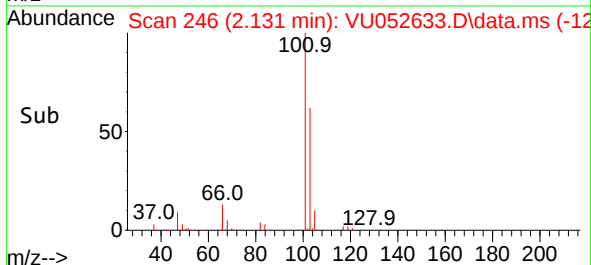
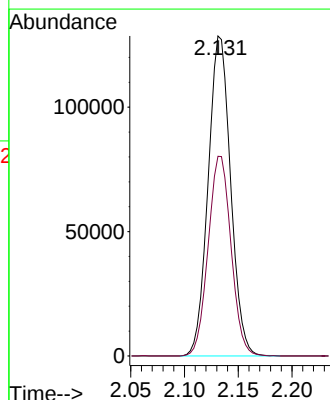
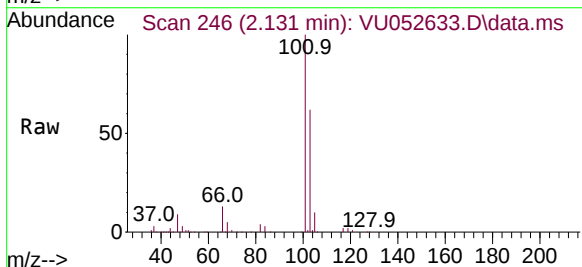
Instrument :
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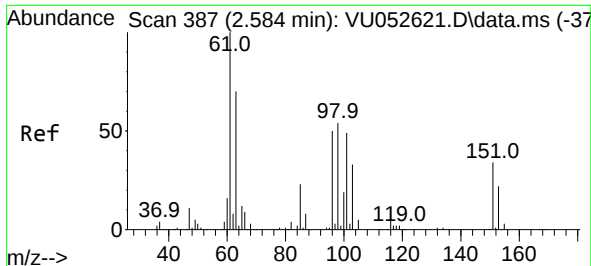
Tgt Ion: 64 Resp: 95772
Ion Ratio Lower Upper
64 100
66 32.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 47.647 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.010 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 101 Resp: 186879
Ion Ratio Lower Upper
101 100
103 63.5 50.2 75.2

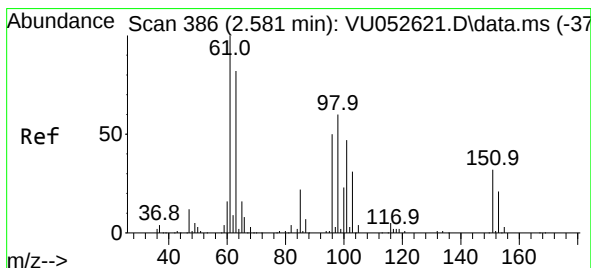
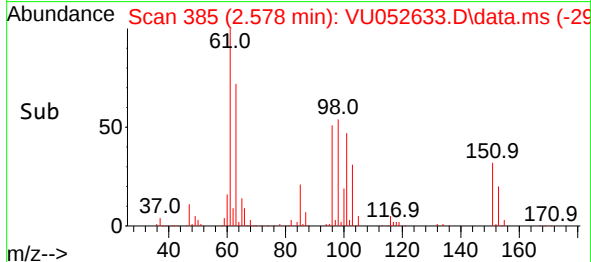
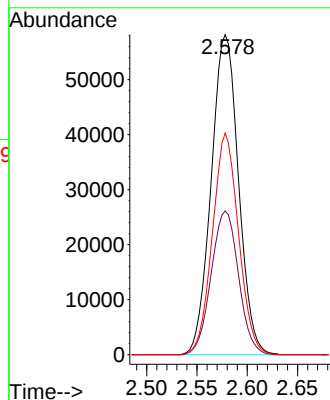
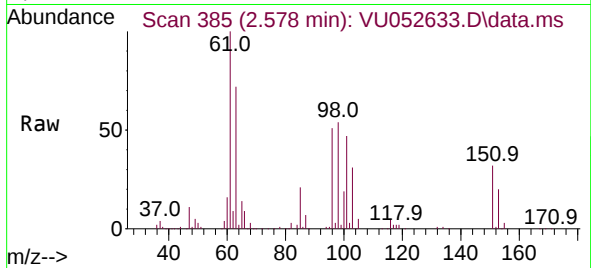




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.686 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU052633.D
 Acq: 06 Jan 2023 18:07

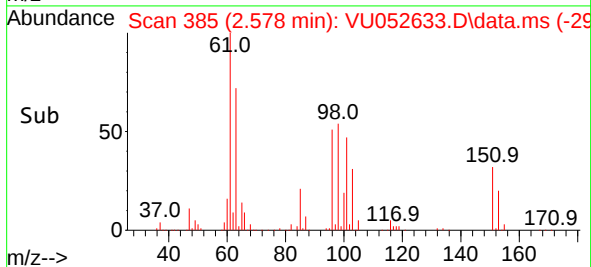
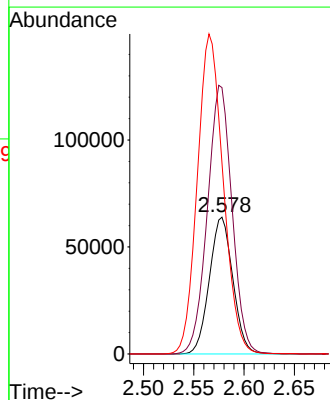
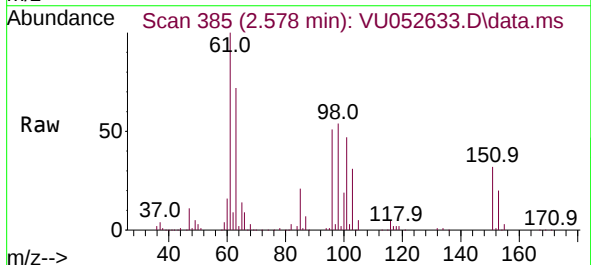
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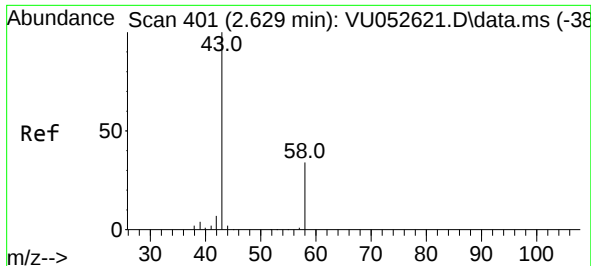
Tgt Ion:101 Resp: 109883
 Ion Ratio Lower Upper
 101 100
 85 45.0 35.8 53.6
 151 66.2 53.2 79.8



#12
 1,1-Dichloroethene
 Concen: 47.753 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052633.D
 Acq: 06 Jan 2023 18:07

Tgt Ion: 96 Resp: 103850
 Ion Ratio Lower Upper
 96 100
 61 194.9 140.8 261.6
 63 139.9 122.6 227.6





#13

Acetone

Concen: 99.880 ug/L

RT: 2.633 min Scan# 401

Delta R.T. 0.004 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

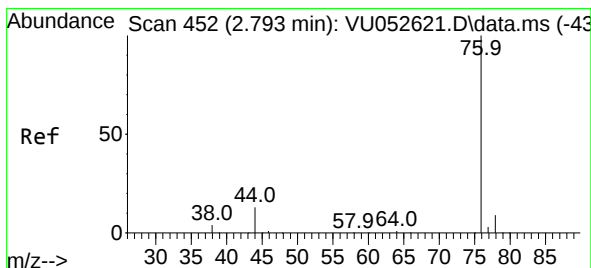
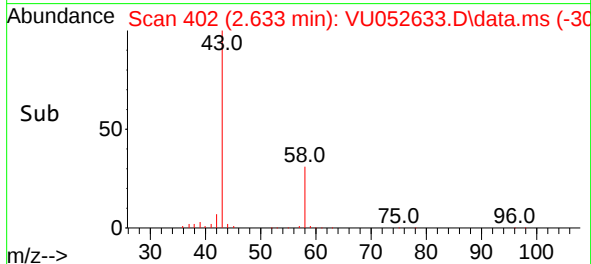
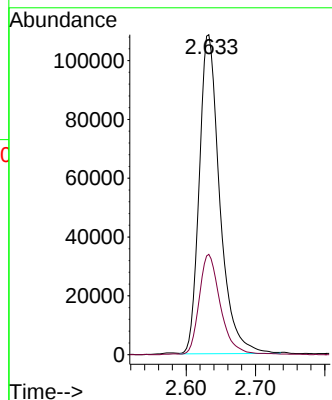
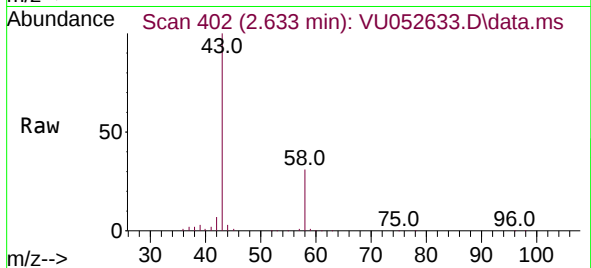
VSTD050138

Tgt Ion: 43 Resp: 223117

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.4



#14

Carbon disulfide

Concen: 46.412 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU052633.D

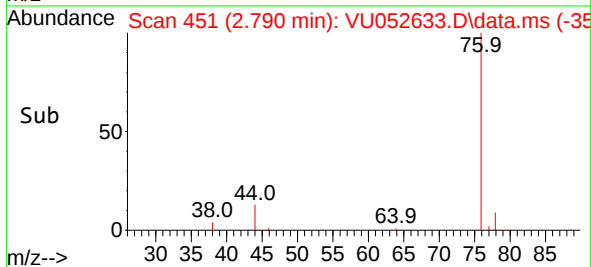
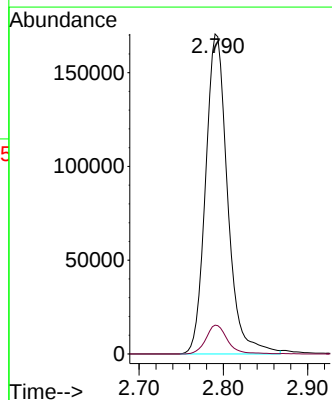
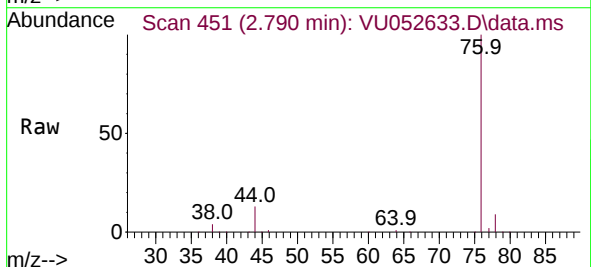
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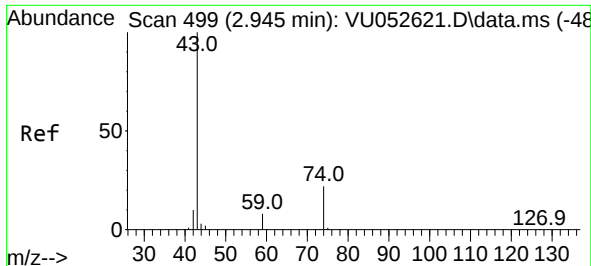
Tgt Ion: 76 Resp: 309846

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

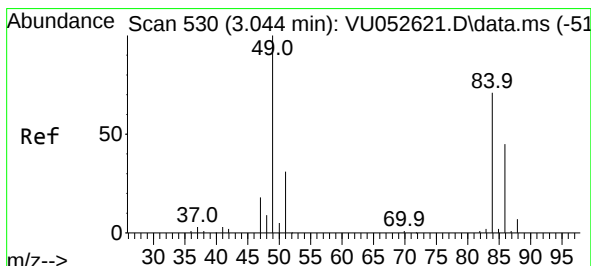
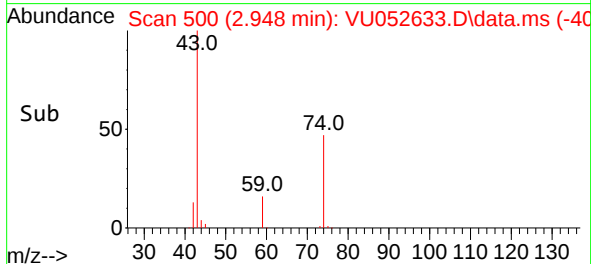
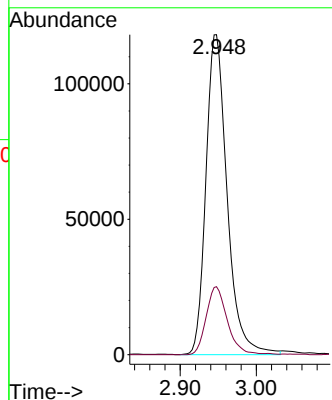
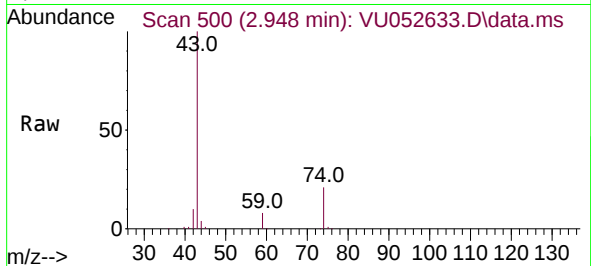




#15
Methyl Acetate
Concen: 65.993 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

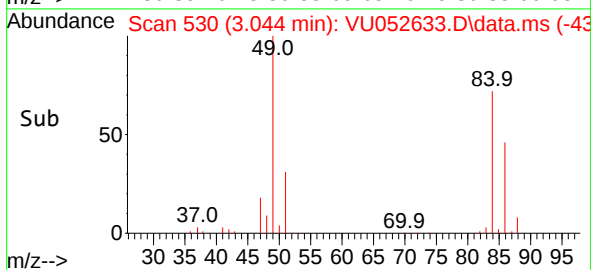
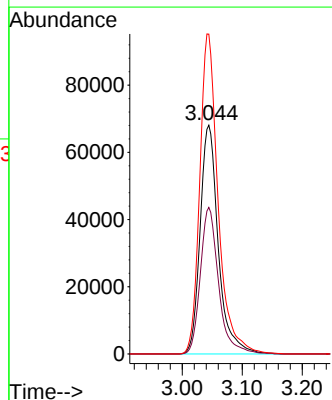
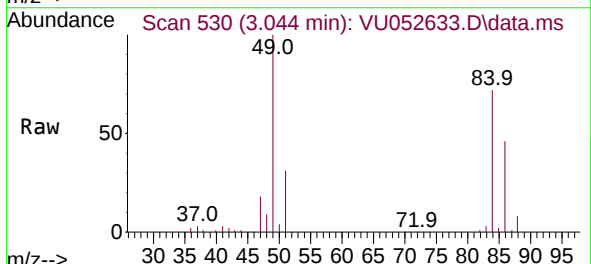
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

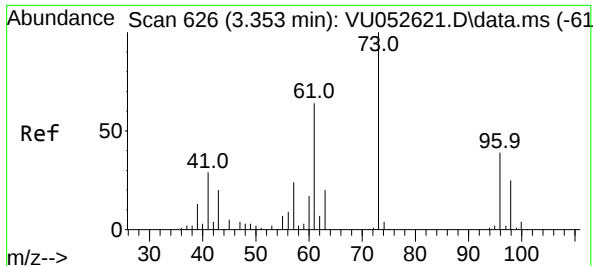
Tgt Ion: 43 Resp: 229007
Ion Ratio Lower Upper
43 100
74 21.1 17.2 25.8



#16
Methylene chloride
Concen: 49.692 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 84 Resp: 143803
Ion Ratio Lower Upper
84 100
86 64.1 44.7 83.1
49 139.8 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 49.218 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050138

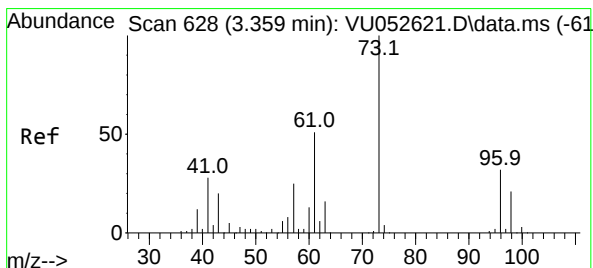
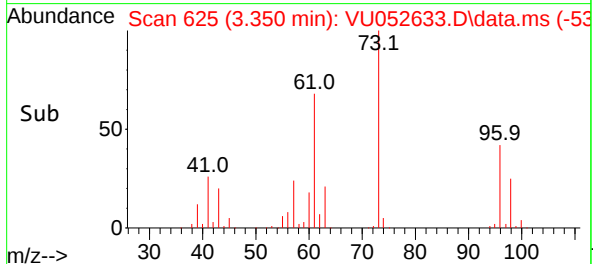
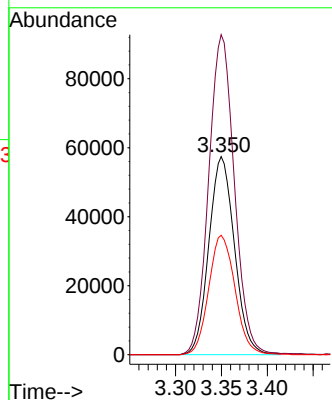
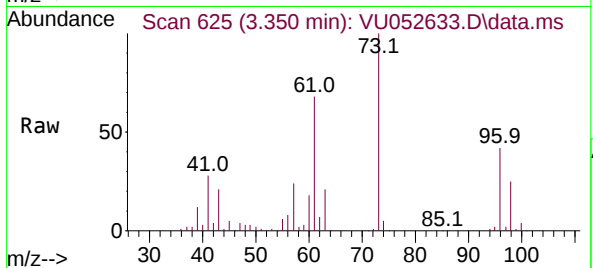
Tgt Ion: 96 Resp: 111826

Ion Ratio Lower Upper

96 100

61 161.6 115.3 214.1

98 60.3 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 55.039 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

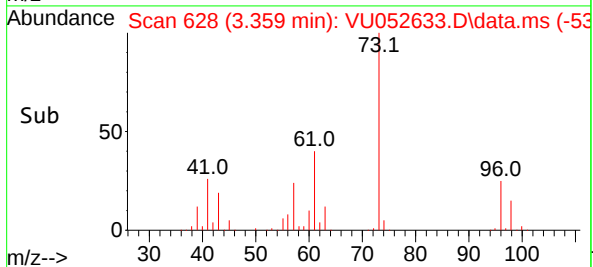
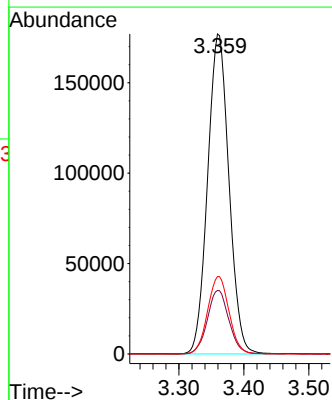
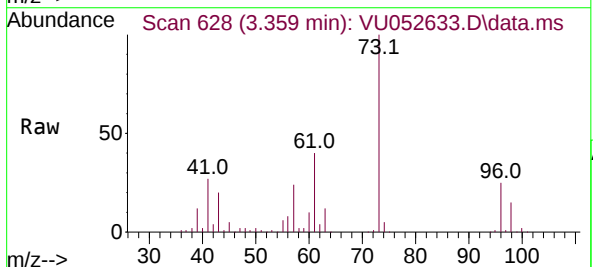
Tgt Ion: 73 Resp: 403604

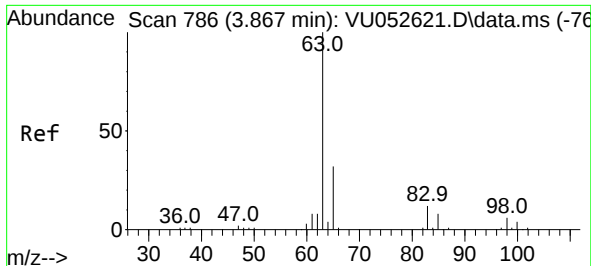
Ion Ratio Lower Upper

73 100

43 20.2 16.3 24.5

57 24.3 19.6 29.4

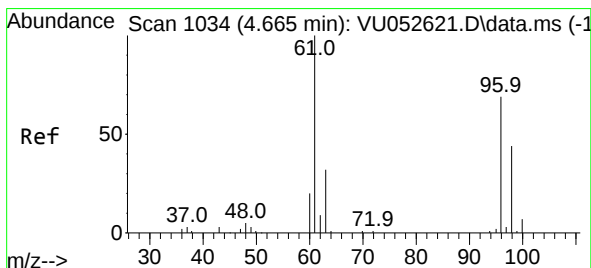
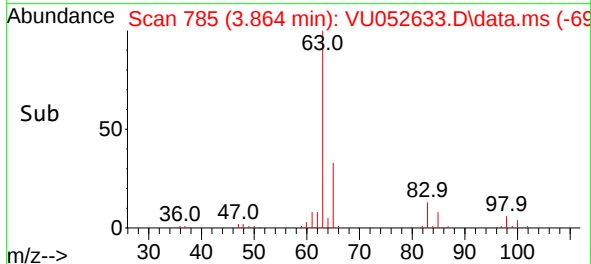
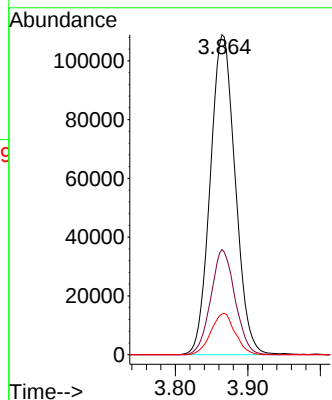
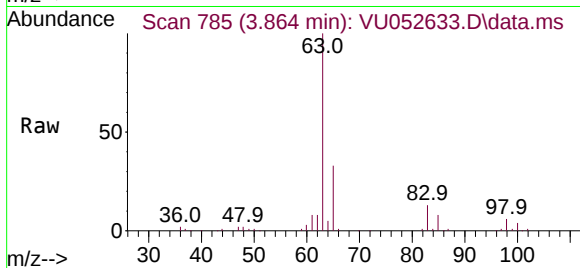




#19
1,1-Dichloroethane
Concen: 49.791 ug/L
RT: 3.864 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

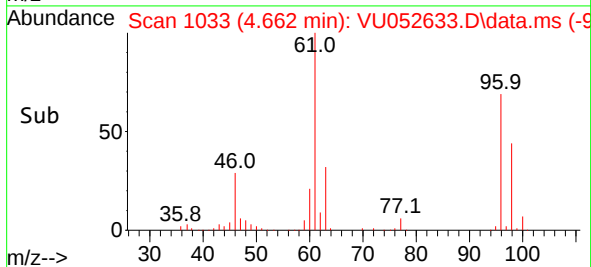
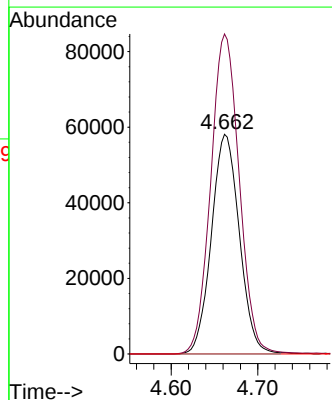
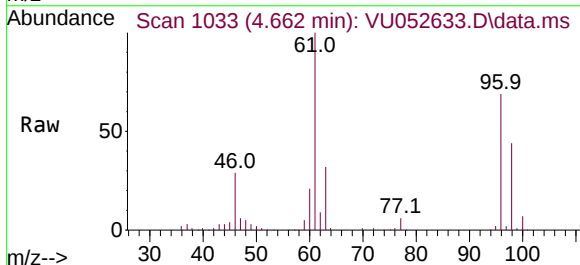
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

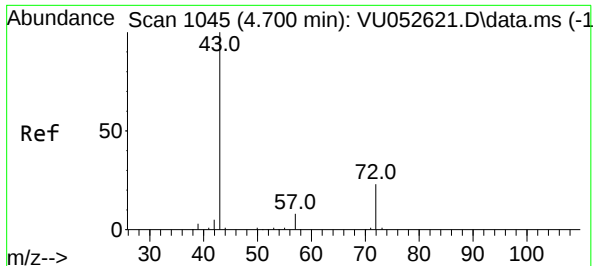
Tgt Ion: 63 Resp: 260226
Ion Ratio Lower Upper
63 100
65 32.8 22.2 41.2
83 12.7 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 51.323 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 96 Resp: 130164
Ion Ratio Lower Upper
96 100
61 145.6 102.1 189.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 134.855 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

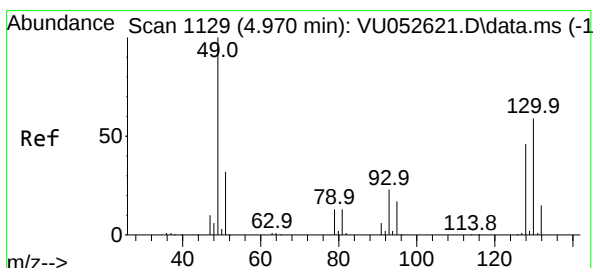
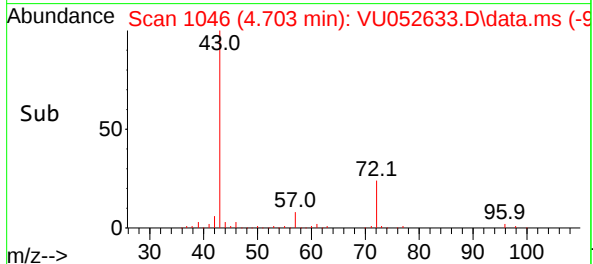
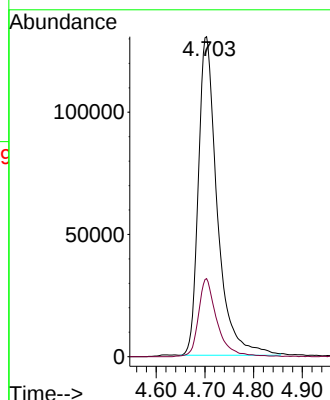
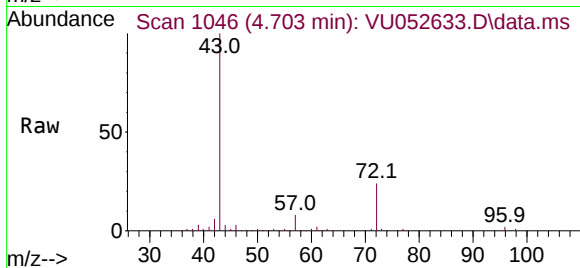
VSTD050138

Tgt Ion: 43 Resp: 352248

Ion Ratio Lower Upper

43 100

72 23.7 12.4 37.4



#23

Bromochloromethane

Concen: 50.341 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Tgt Ion:128 Resp: 65127

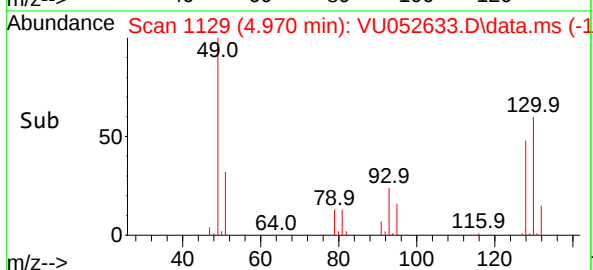
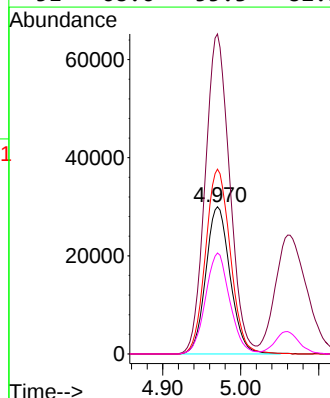
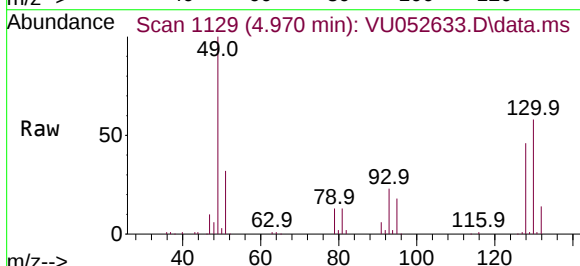
Ion Ratio Lower Upper

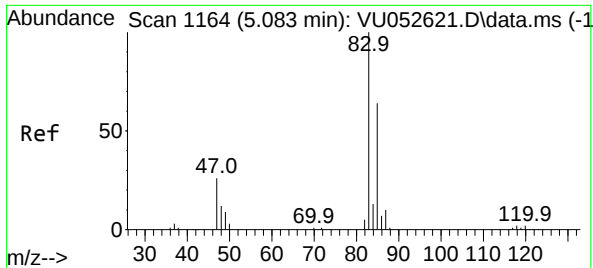
128 100

49 217.5 152.3 282.9

130 125.6 89.2 165.8

51 68.6 55.3 82.9

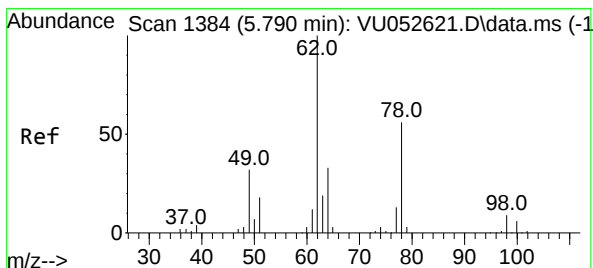
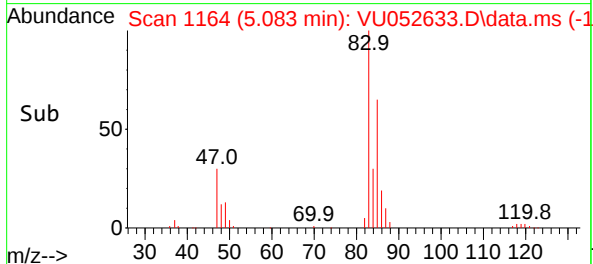
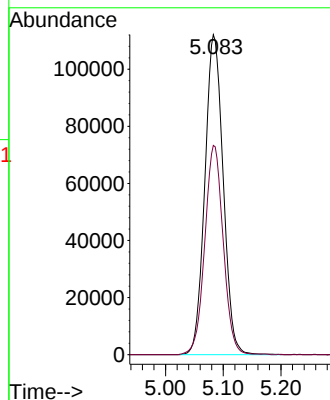
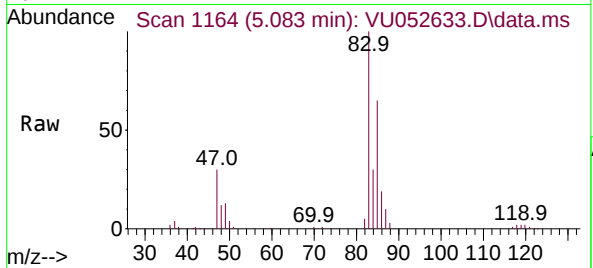




#25
Chloroform
Concen: 49.978 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

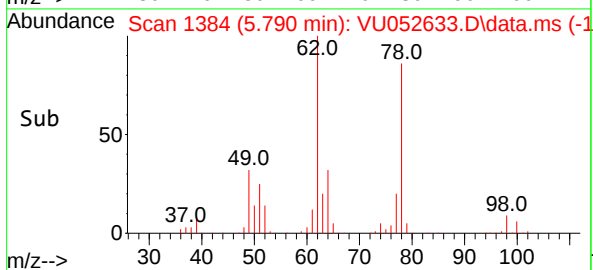
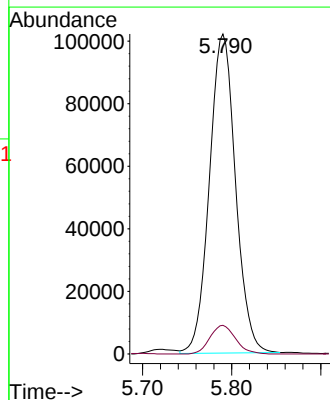
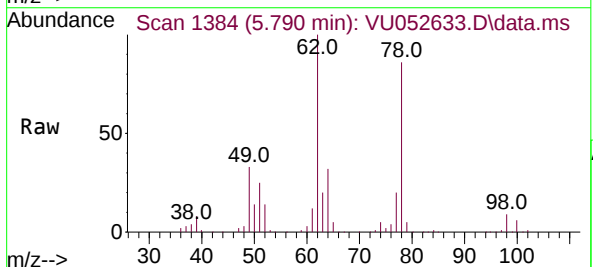
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

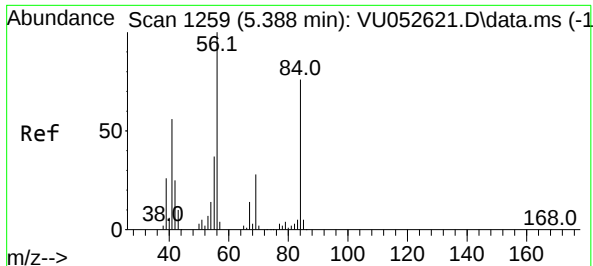
Tgt Ion: 83 Resp: 246916
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 50.995 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 62 Resp: 207976
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 50.125 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050138

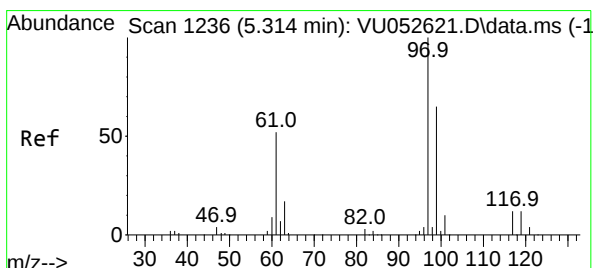
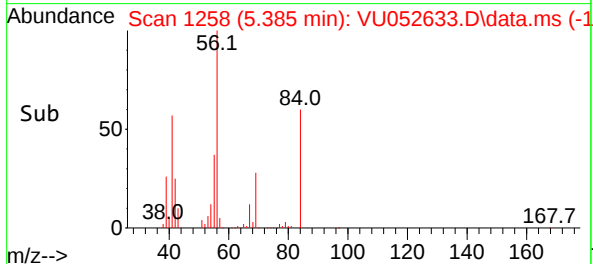
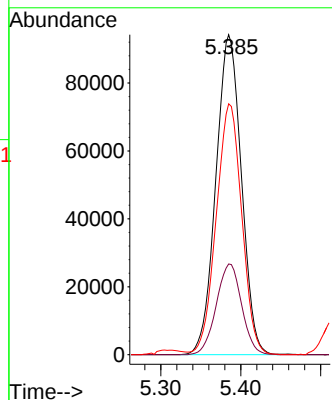
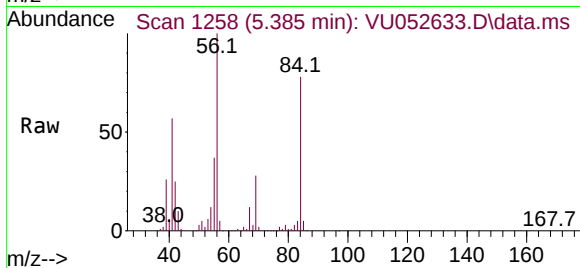
Tgt Ion: 56 Resp: 208596

Ion Ratio Lower Upper

56 100

69 28.2 22.5 33.7

84 78.6 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 47.878 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

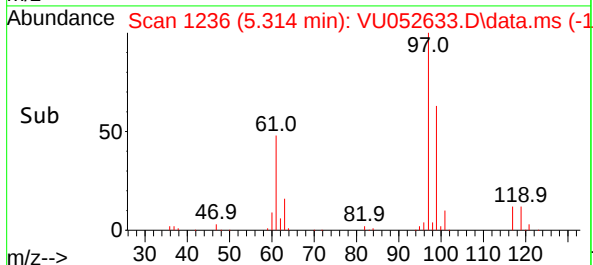
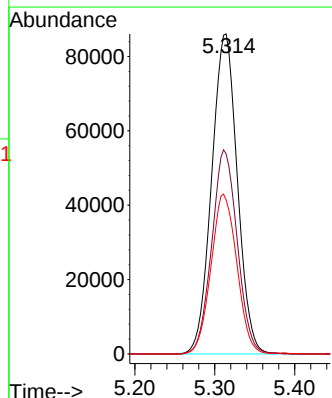
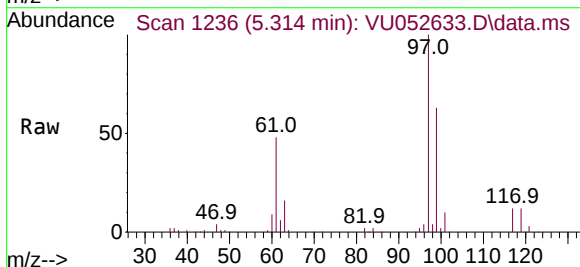
Tgt Ion: 97 Resp: 192055

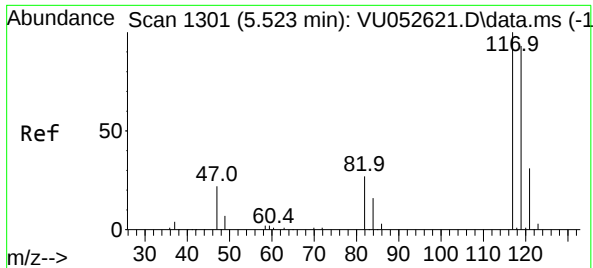
Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

61 50.2 41.2 61.8

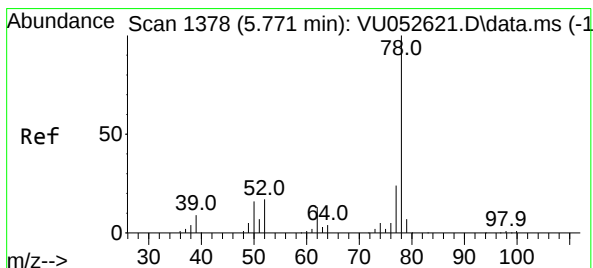
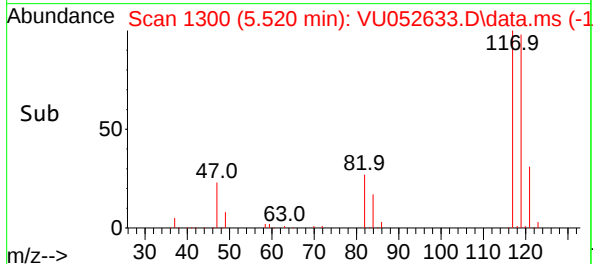
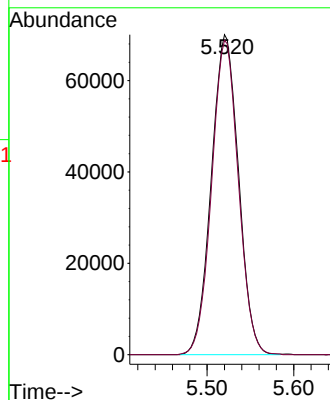
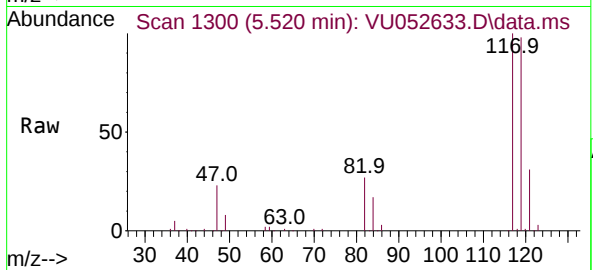




#31
Carbon tetrachloride
Concen: 46.111 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

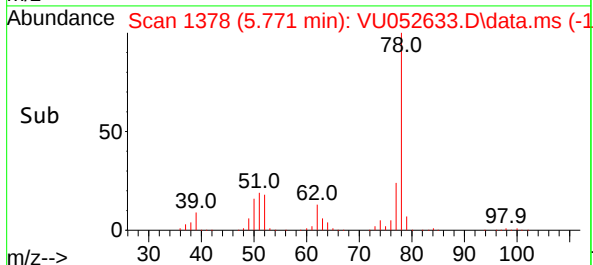
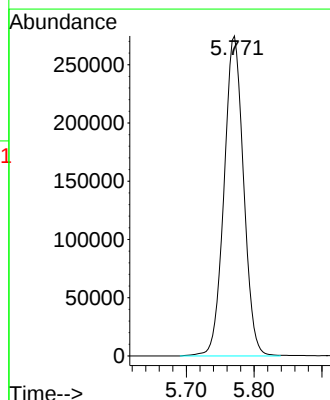
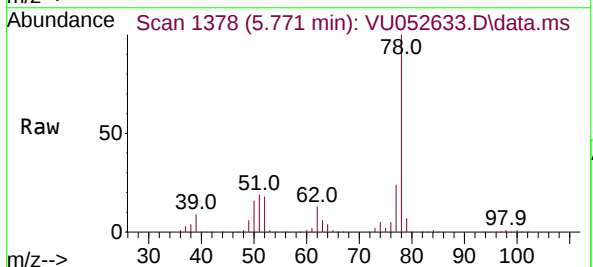
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

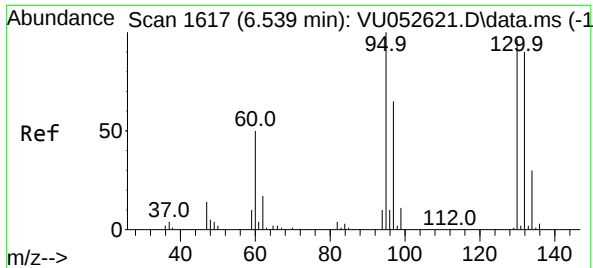
Tgt Ion:117 Resp: 152977
Ion Ratio Lower Upper
117 100
119 96.4 76.0 114.0



#33
Benzene
Concen: 50.104 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 78 Resp: 549673



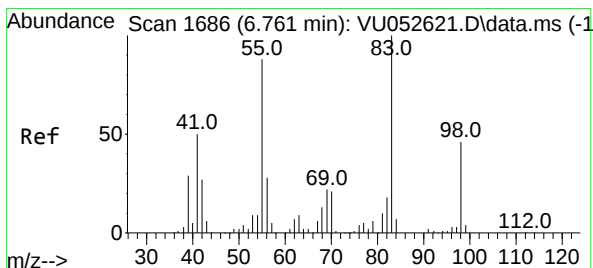
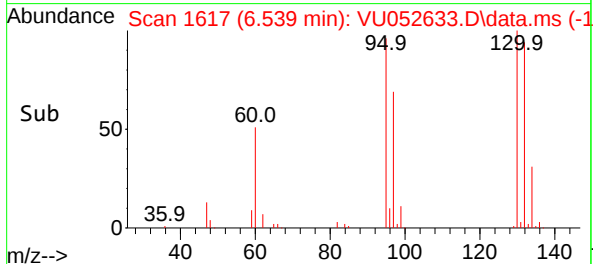
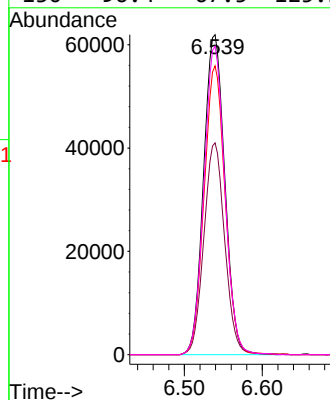
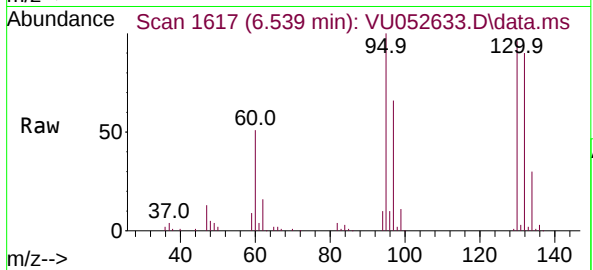


#34
Trichloroethene
Concen: 46.891 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

Tgt Ion: 95 Resp: 117219

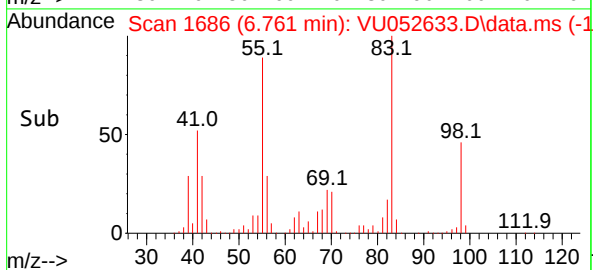
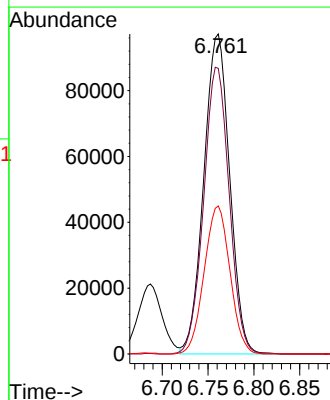
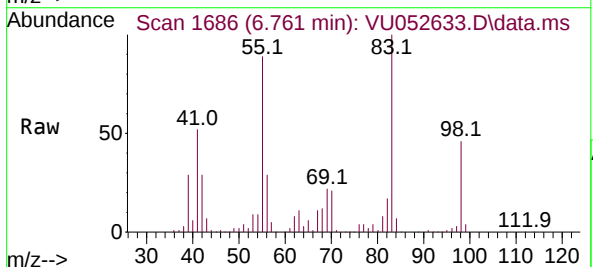
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.7	84.9
132	90.3	62.6	116.3
130	96.4	67.5	125.3

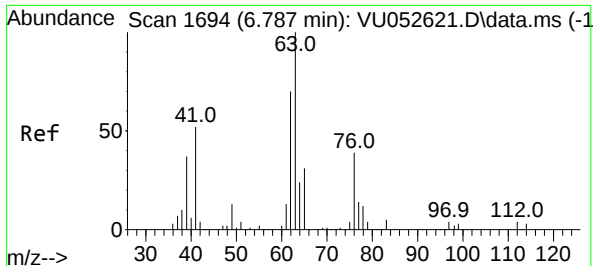


#35
Methylcyclohexane
Concen: 48.639 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 83 Resp: 191099

Ion	Ratio	Lower	Upper
83	100		
55	88.4	71.0	106.4
98	46.0	37.0	55.6

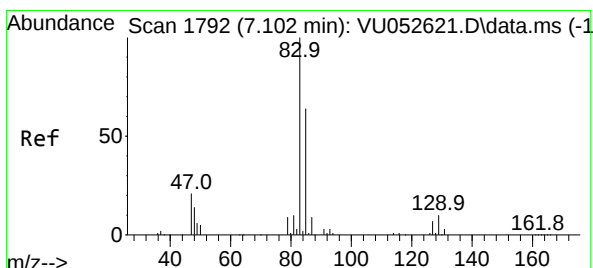
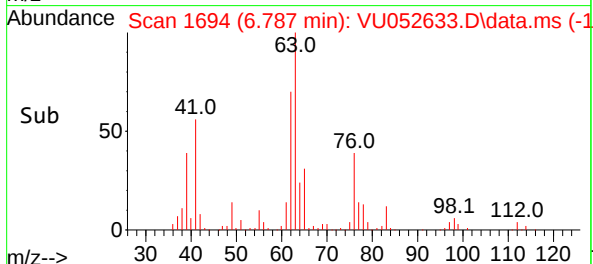
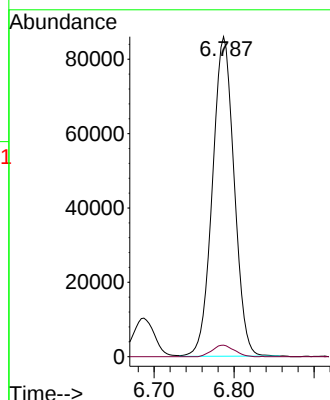
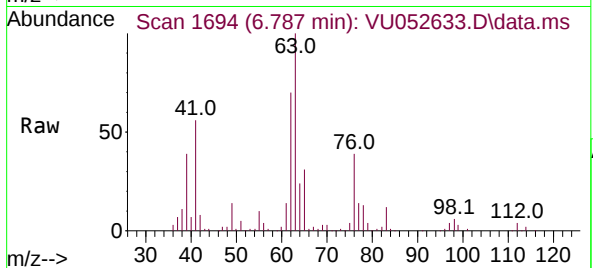




#37
1,2-Dichloropropane
Concen: 50.167 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

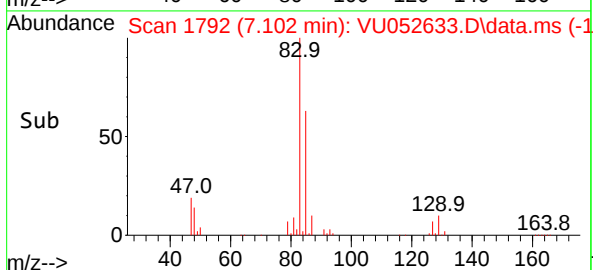
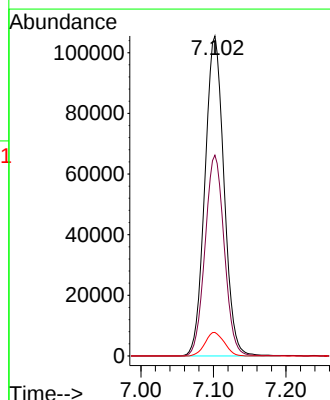
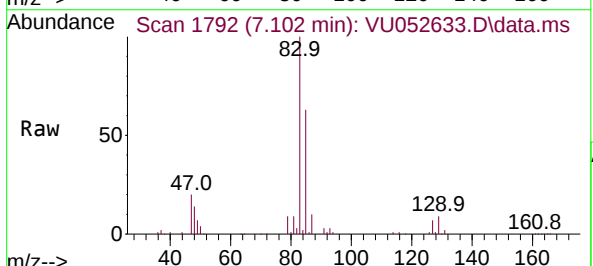
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

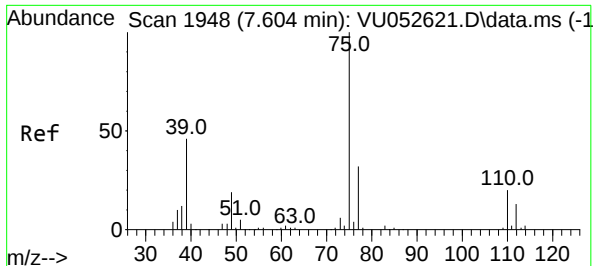
Tgt Ion: 63 Resp: 162015
Ion Ratio Lower Upper
63 100
112 3.7 3.1 4.7



#38
Bromodichloromethane
Concen: 49.778 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 83 Resp: 192746
Ion Ratio Lower Upper
83 100
85 62.8 44.7 82.9
127 7.3 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 50.858 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

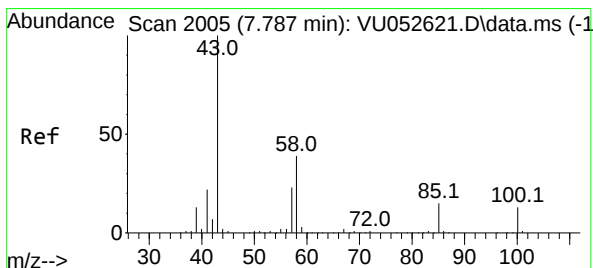
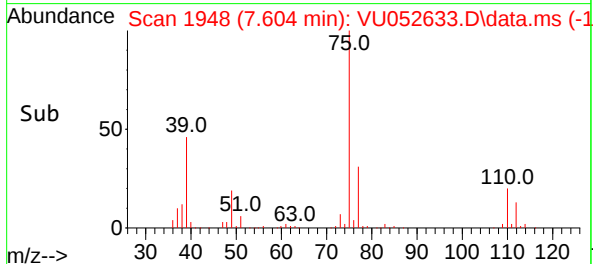
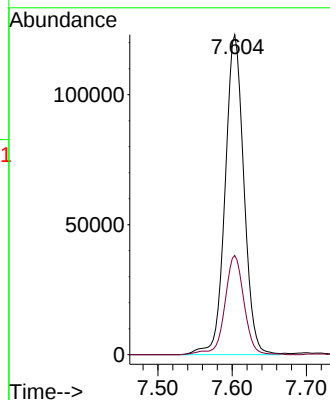
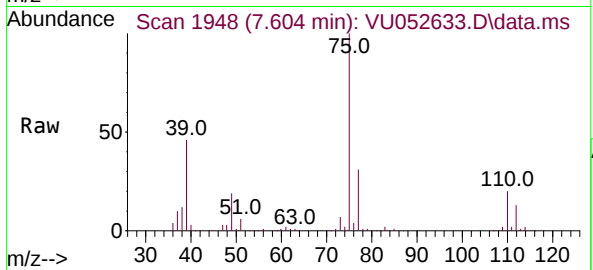
VSTD050138

Tgt Ion: 75 Resp: 216646

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 146.185 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

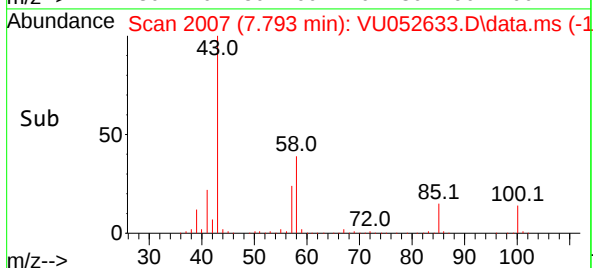
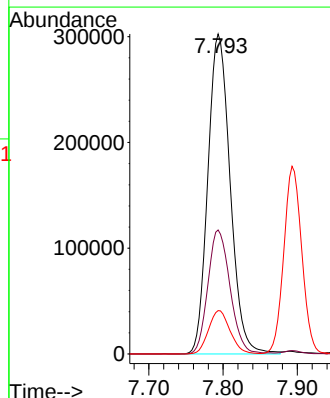
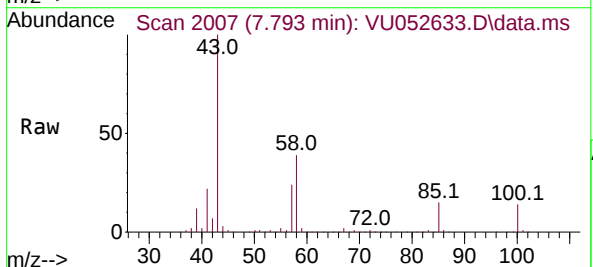
Tgt Ion: 43 Resp: 631576

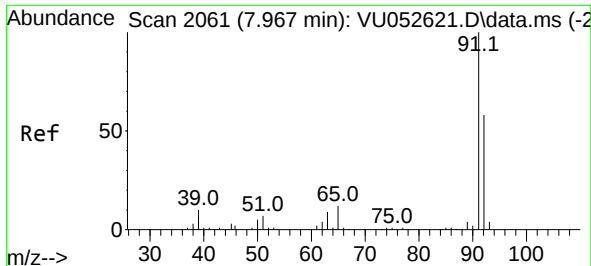
Ion Ratio Lower Upper

43 100

58 38.5 30.4 45.6

100 13.1 9.9 14.9





#42

Toluene

Concen: 51.533 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

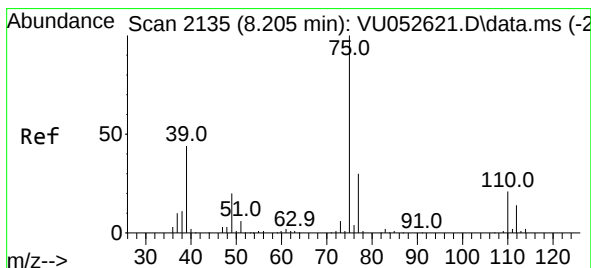
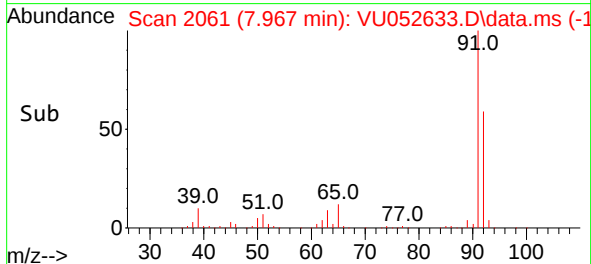
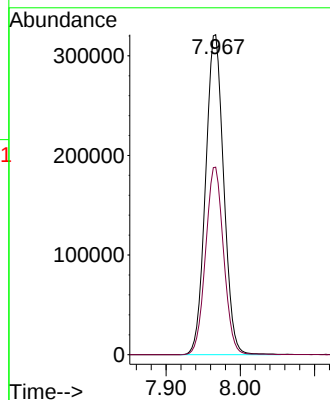
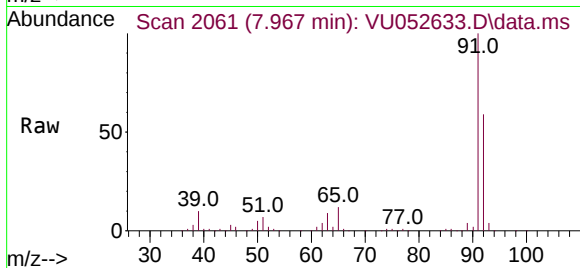
VSTD050138

Tgt Ion: 91 Resp: 543714

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 52.458 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052633.D

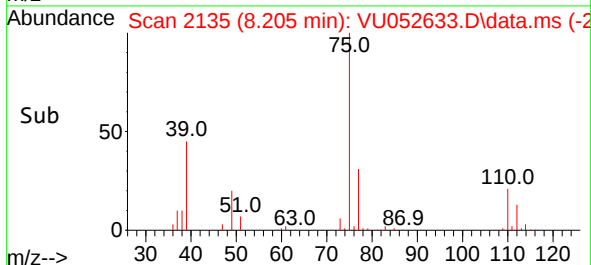
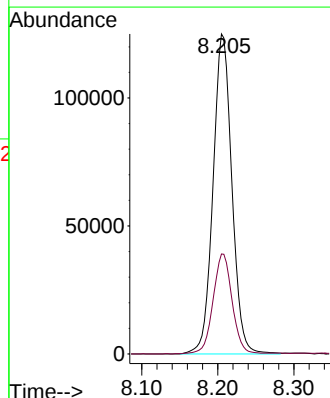
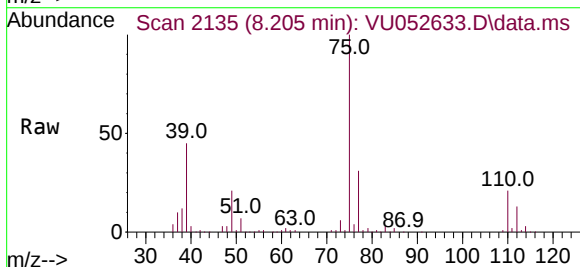
Acq: 06 Jan 2023 18:07

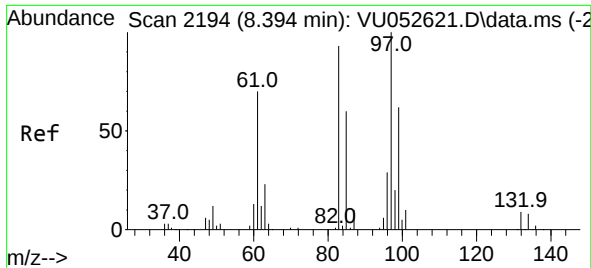
Tgt Ion: 75 Resp: 215350

Ion Ratio Lower Upper

75 100

77 31.2 21.3 39.5



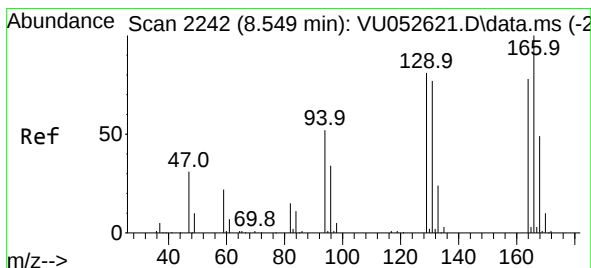
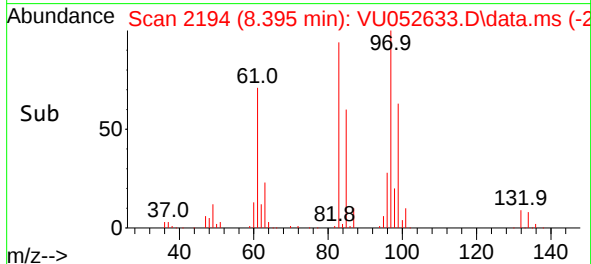
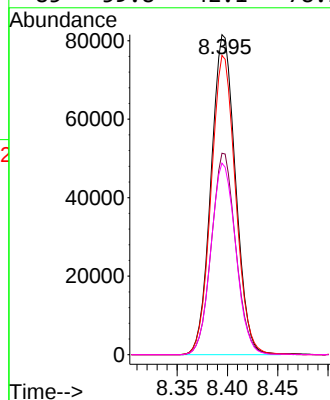
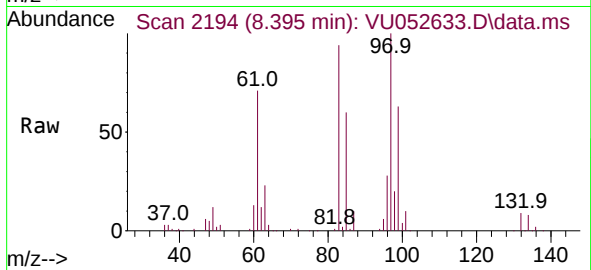


#45
1,1,2-Trichloroethane
Concen: 51.946 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.001 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

Tgt Ion: 97 Resp: 137924

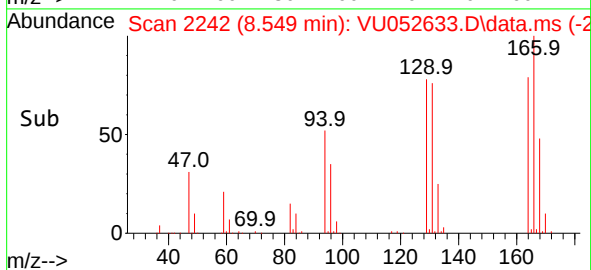
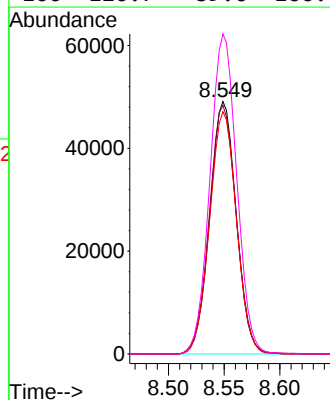
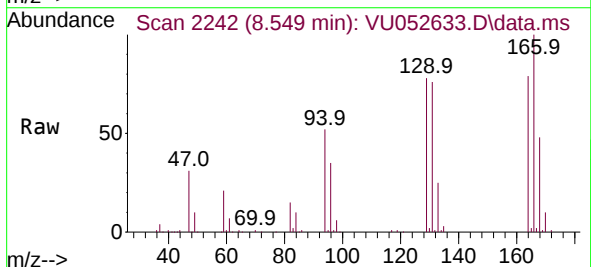
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.3	80.3
83	93.5	65.2	121.0
85	59.8	42.1	78.1

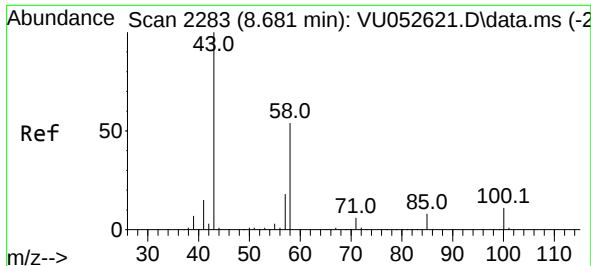


#46
Tetrachloroethene
Concen: 47.358 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 164 Resp: 81242

Ion	Ratio	Lower	Upper
164	100		
129	98.5	72.7	134.9
131	96.0	69.2	128.4
166	126.7	89.6	166.4

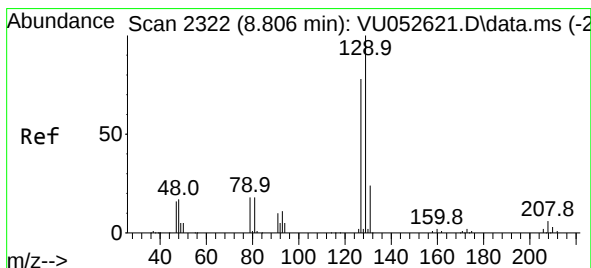
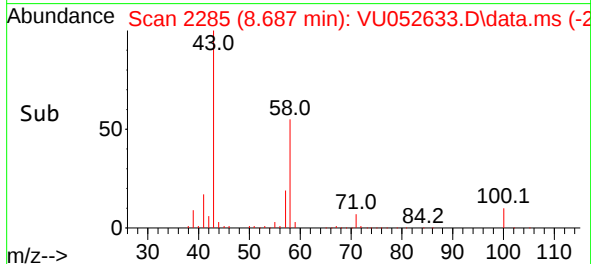
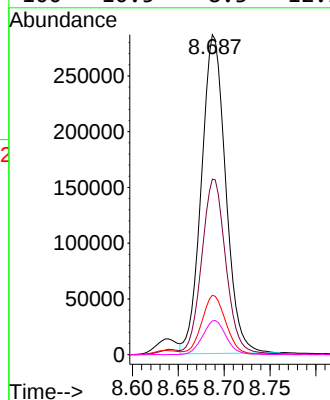
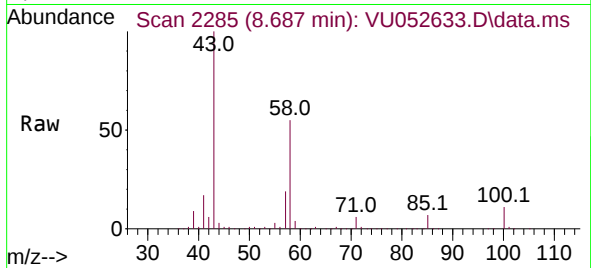




#48
2-Hexanone
Concen: 147.685 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

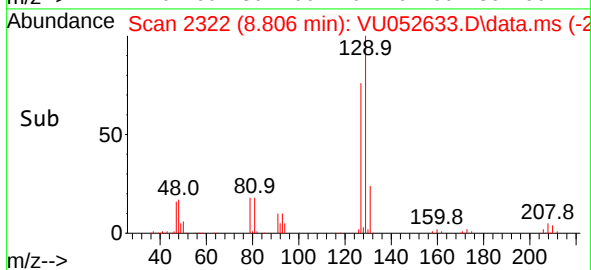
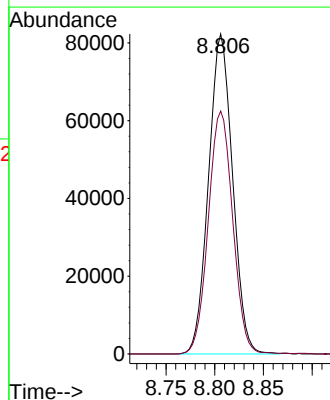
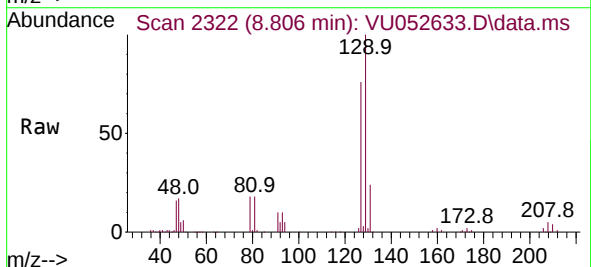
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

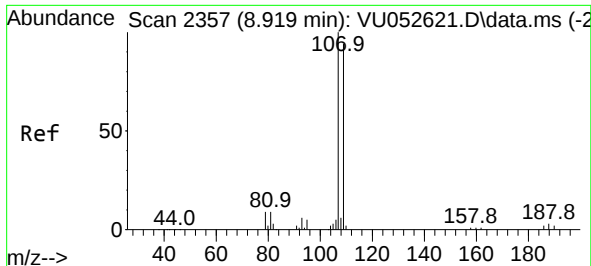
Tgt Ion: 43	Resp: 526143
Ion Ratio	Lower Upper
43 100	
58 54.9	42.6 63.8
57 18.7	14.2 21.4
100 10.5	8.3 12.5



#49
Dibromochloromethane
Concen: 50.997 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion:129	Resp: 141203		
Ion Ratio	Lower	Upper	
129 100			
127 75.9	54.5	101.3	





#50

1,2-Dibromoethane

Concen: 53.638 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050138

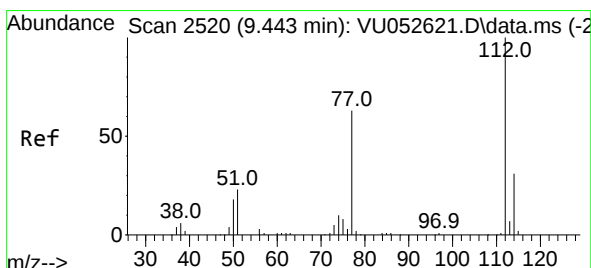
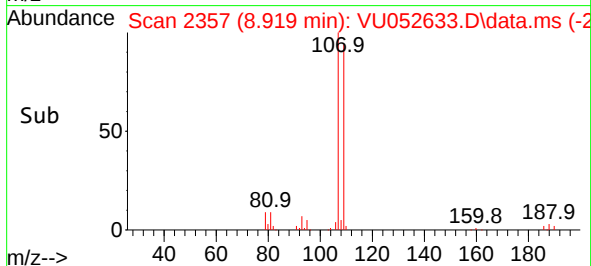
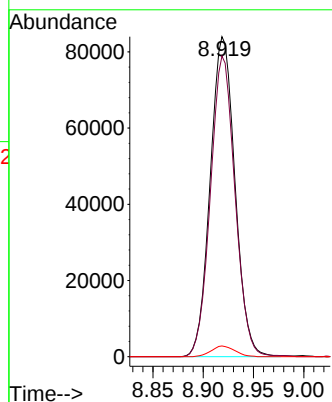
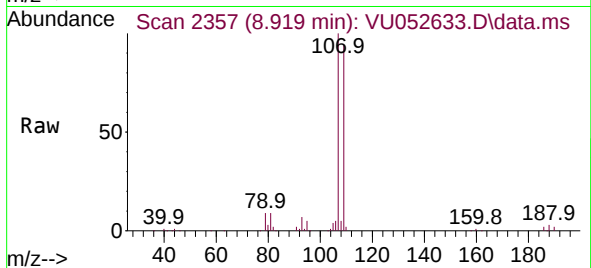
Tgt Ion:107 Resp: 143706

Ion Ratio Lower Upper

107 100

109 94.0 65.9 122.5

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 50.439 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

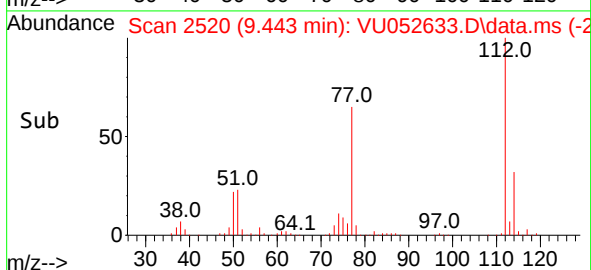
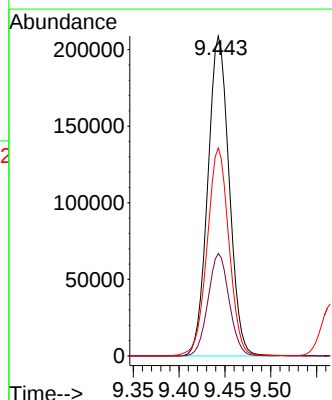
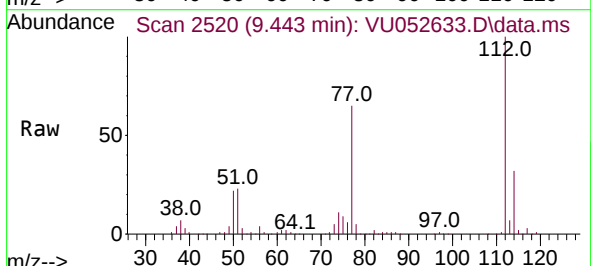
Tgt Ion:112 Resp: 338454

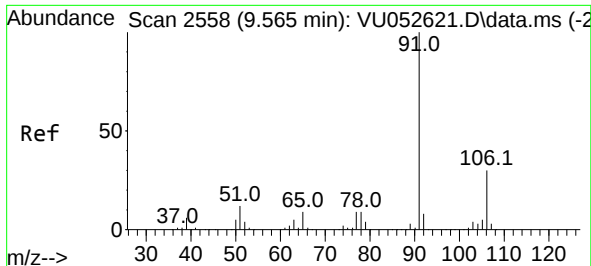
Ion Ratio Lower Upper

112 100

114 32.0 21.6 40.0

77 65.0 50.8 76.2

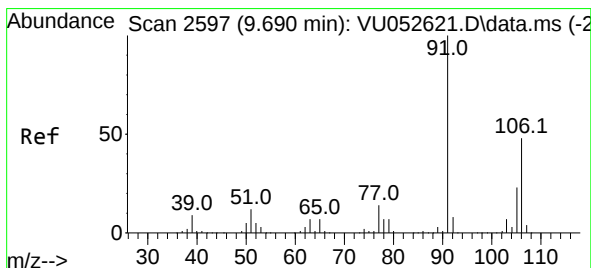
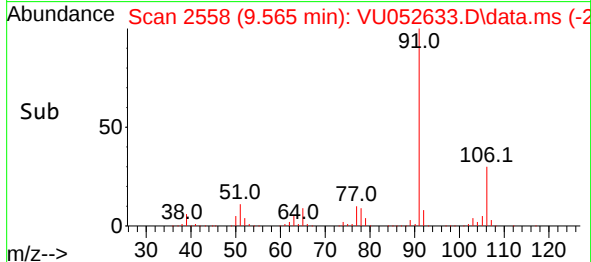
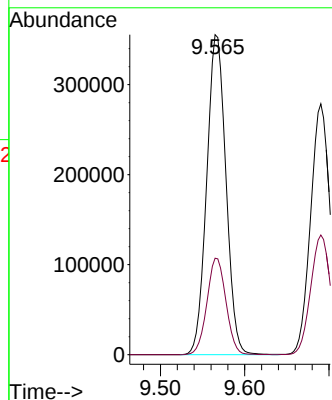
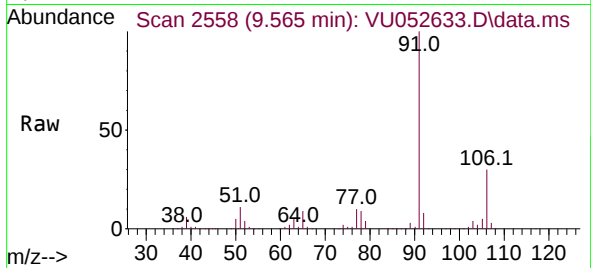




#52
Ethylbenzene
Concen: 51.620 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

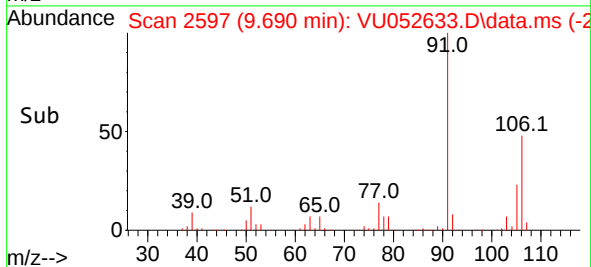
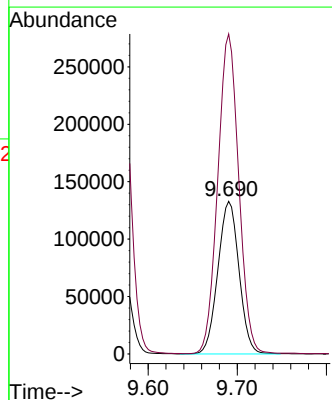
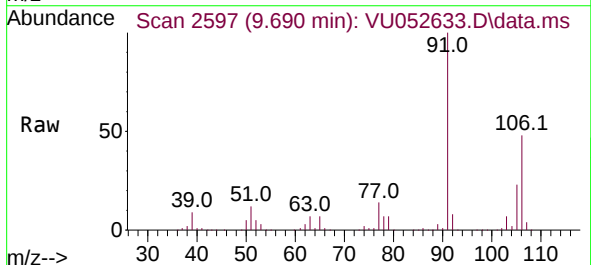
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

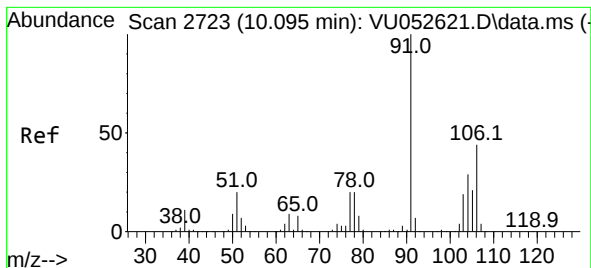
Tgt Ion: 91 Resp: 564633
Ion Ratio Lower Upper
91 100
106 30.2 20.7 38.5



#53
m,p-Xylene
Concen: 53.639 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion:106 Resp: 219123
Ion Ratio Lower Upper
106 100
91 209.5 144.6 268.6





#54

o-xylene

Concen: 55.163 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

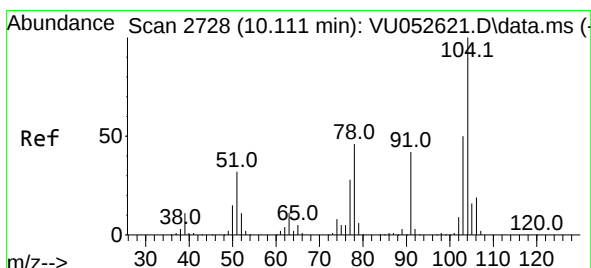
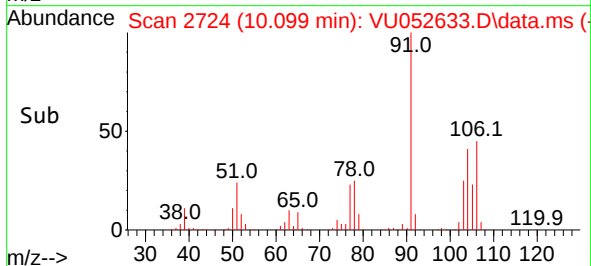
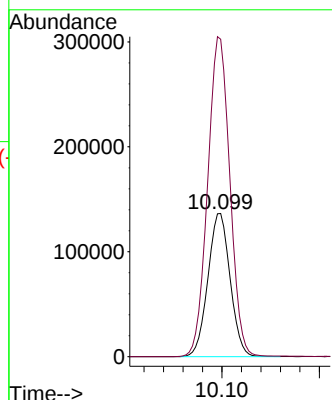
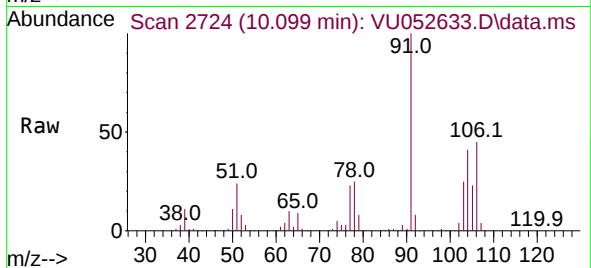
VSTD050138

Tgt Ion:106 Resp: 216251

Ion Ratio Lower Upper

106 100

91 221.6 158.3 294.1



#55

Styrene

Concen: 57.162 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052633.D

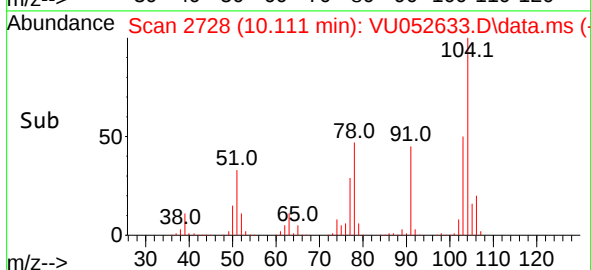
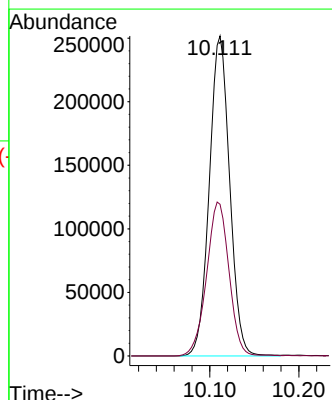
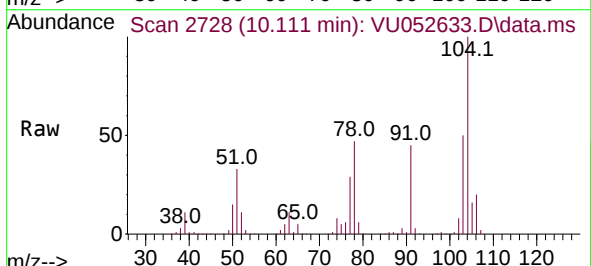
Acq: 06 Jan 2023 18:07

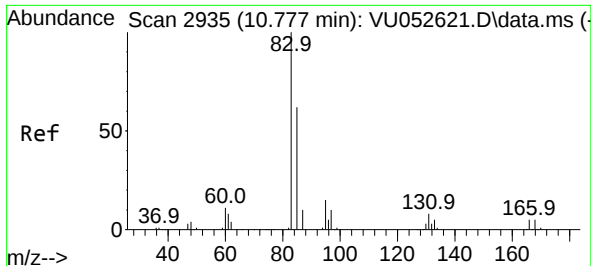
Tgt Ion:104 Resp: 399263

Ion Ratio Lower Upper

104 100

78 47.4 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 60.609 ug/L

RT: 10.780 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050138

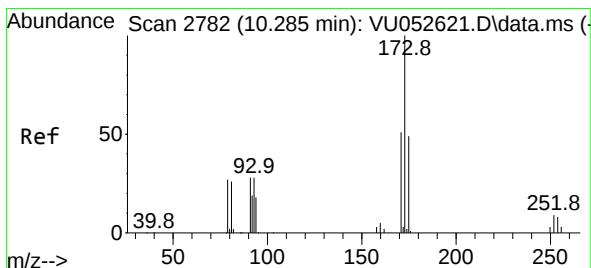
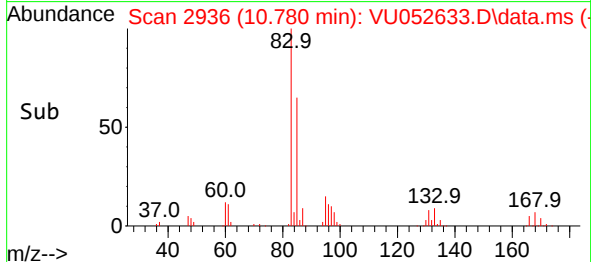
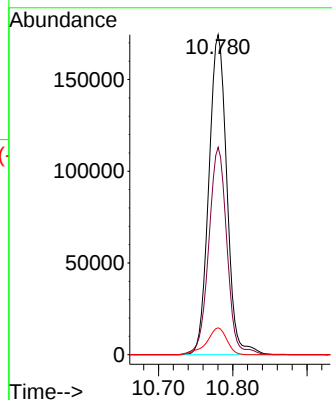
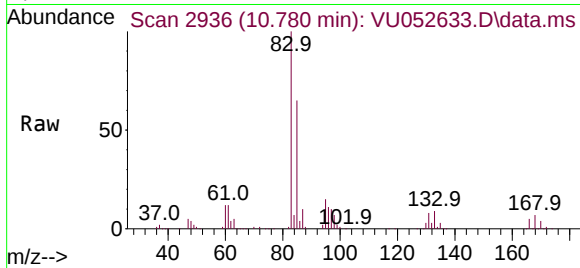
Tgt Ion: 83 Resp: 292650

Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.6

131 8.4 7.0 10.4



#59

Bromoform

Concen: 55.467 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

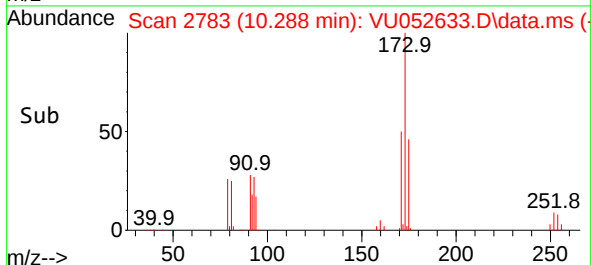
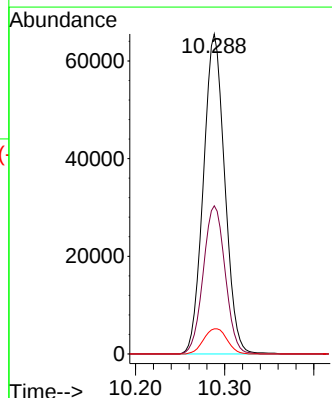
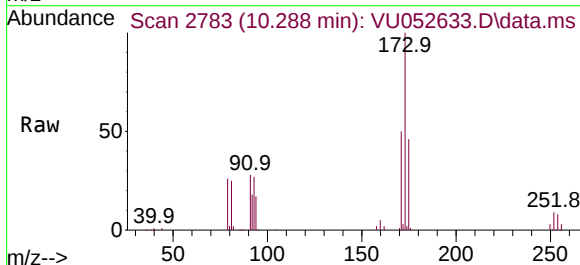
Tgt Ion:173 Resp: 109164

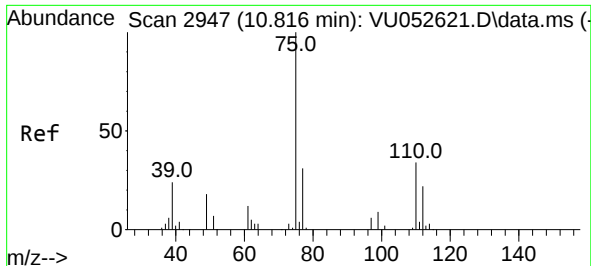
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.0

254 8.6 7.0 10.6

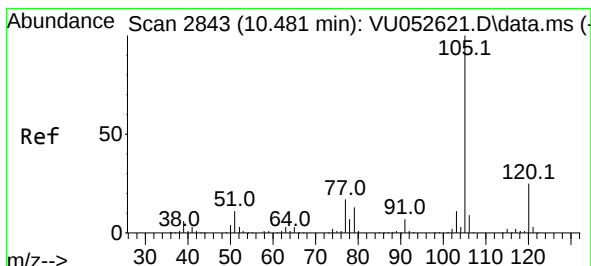
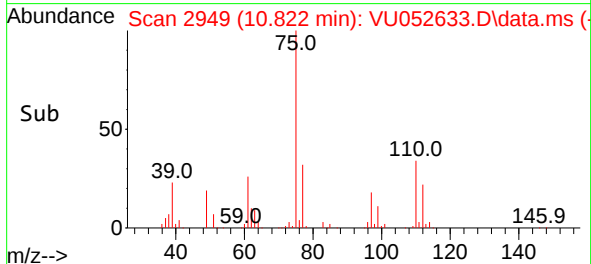
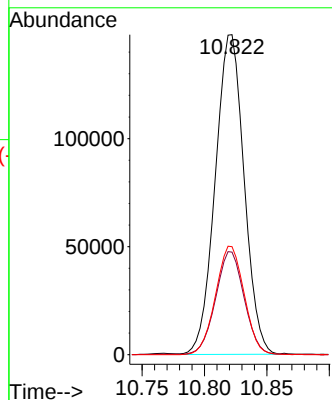
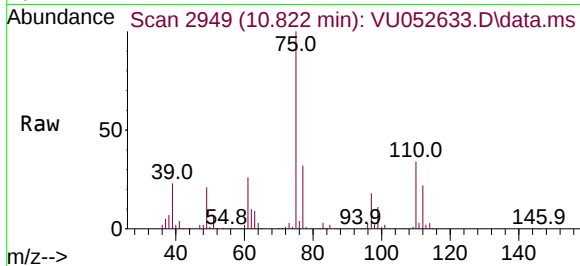




#60
1,2,3-Trichloropropane
Concen: 60.712 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

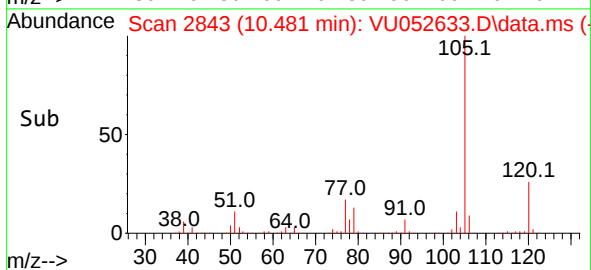
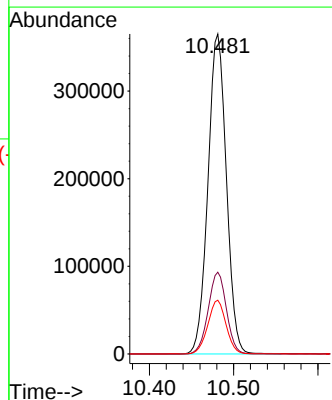
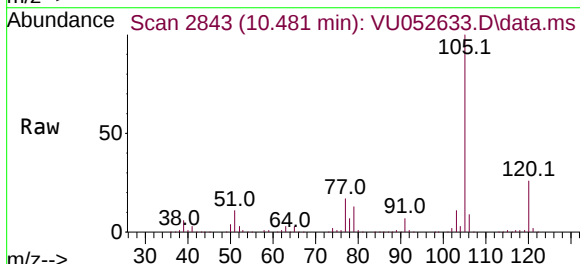
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

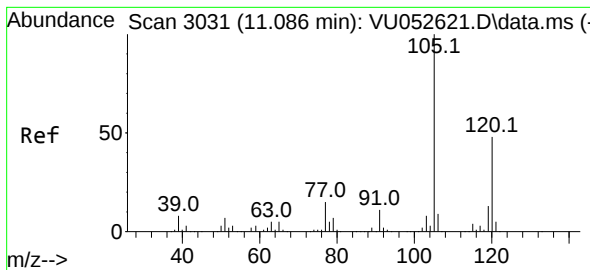
Tgt Ion: 75 Resp: 238617
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
110 33.6 27.3 40.9



#61
Isopropylbenzene
Concen: 53.124 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 105 Resp: 555076
Ion Ratio Lower Upper
105 100
120 25.3 19.8 29.8
77 16.7 13.8 20.6





#62

1,3,5-Trimethylbenzene

Concen: 55.201 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

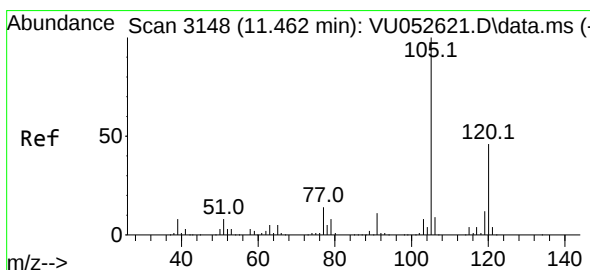
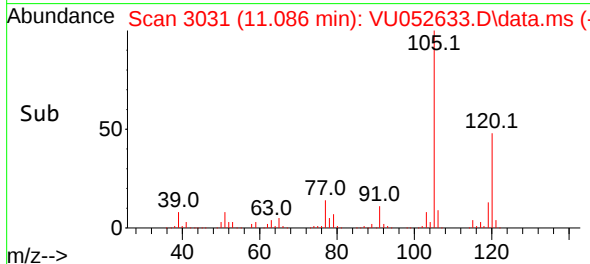
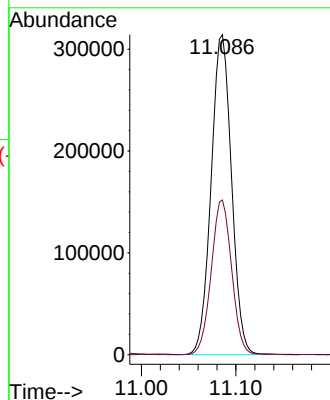
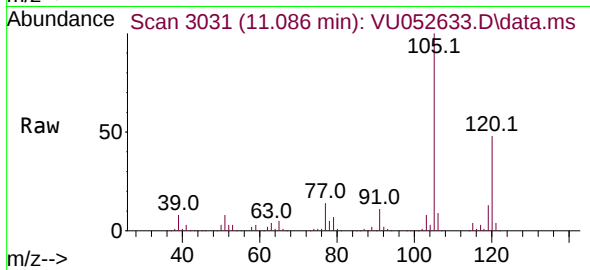
VSTD050138

Tgt Ion:105 Resp: 470306

Ion Ratio Lower Upper

105 100

120 48.4 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 56.407 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052633.D

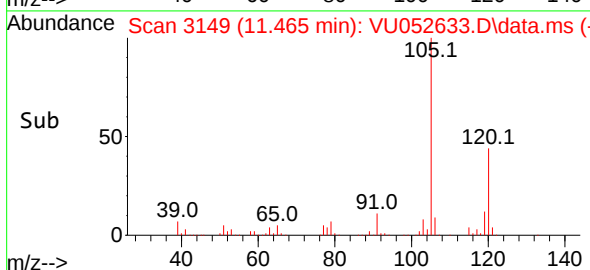
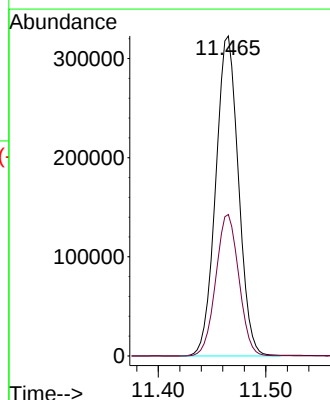
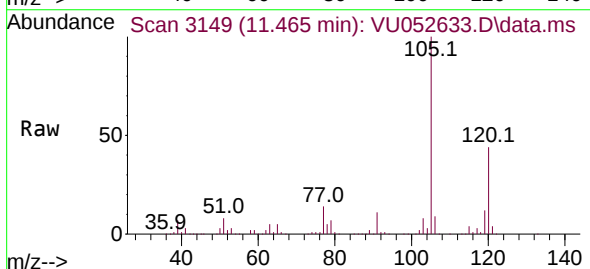
Acq: 06 Jan 2023 18:07

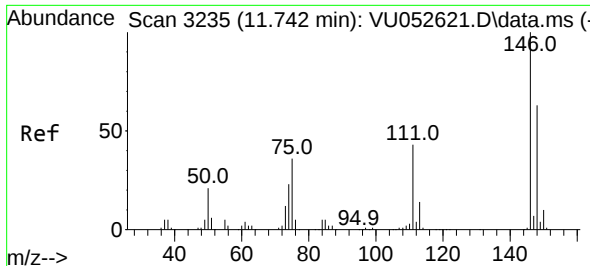
Tgt Ion:105 Resp: 474956

Ion Ratio Lower Upper

105 100

120 44.8 36.1 54.1

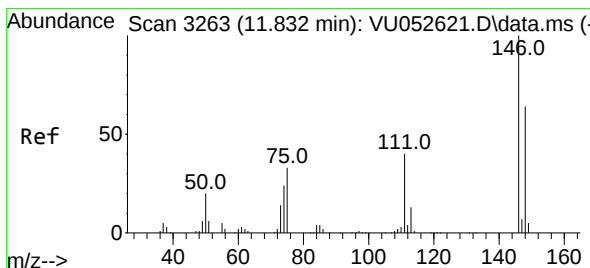
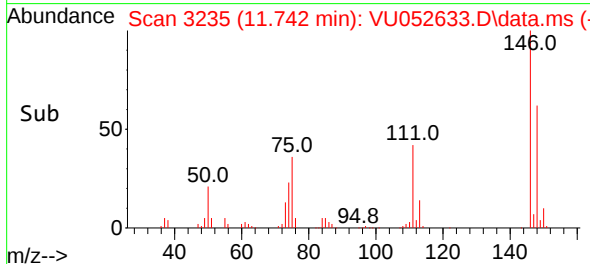
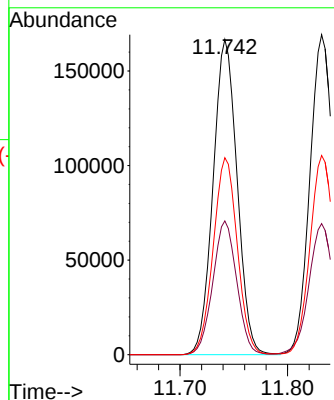
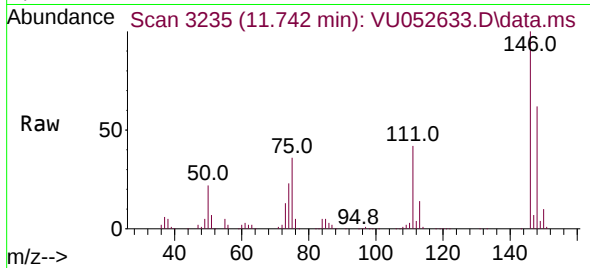




#64
1,3-Dichlorobenzene
Concen: 51.497 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

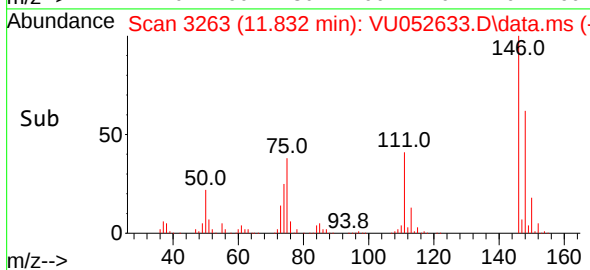
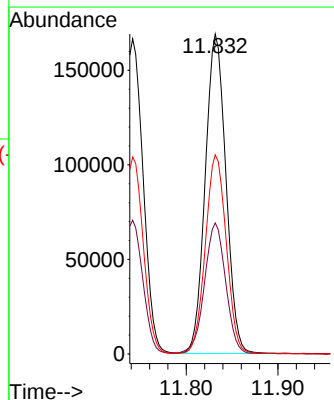
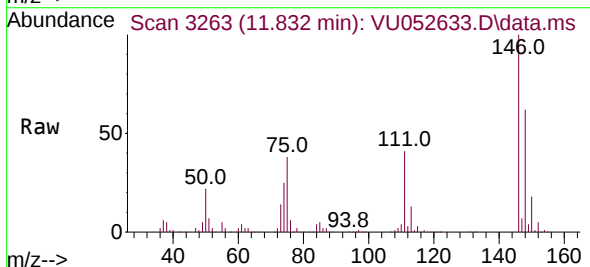
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

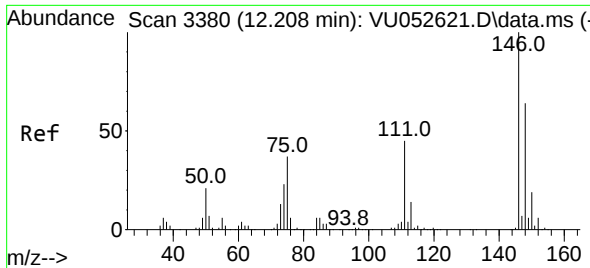
Tgt Ion:146 Resp: 259057
Ion Ratio Lower Upper
146 100
111 42.5 29.8 55.3
148 62.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 49.804 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion:146 Resp: 263974
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.0
148 62.2 44.7 82.9

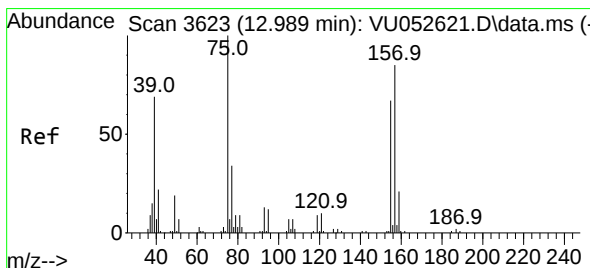
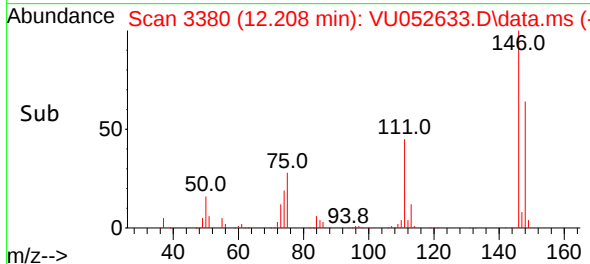
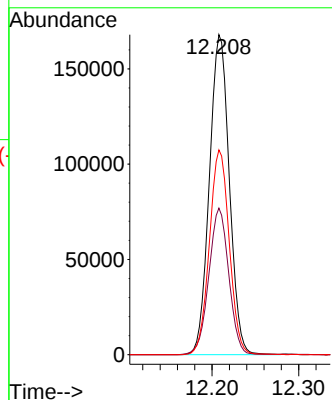
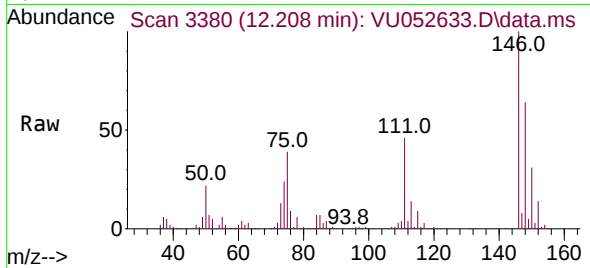




#67
1,2-Dichlorobenzene
Concen: 51.955 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

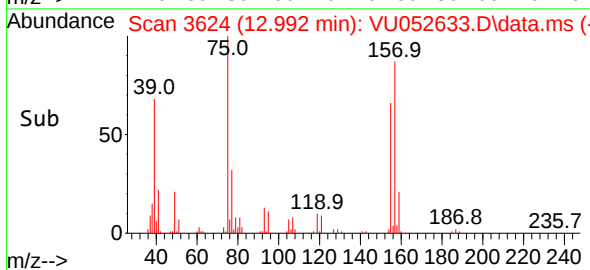
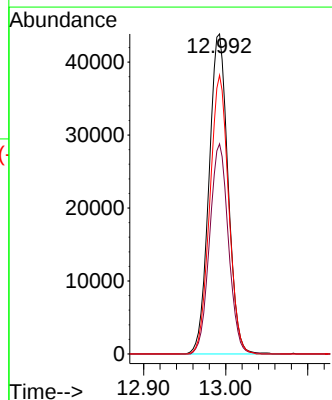
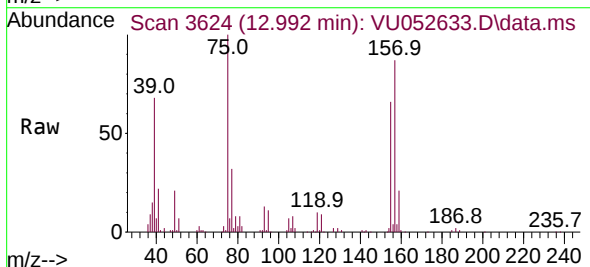
Instrument :
MSVOA_U
ClientSampleId :
VSTD050138

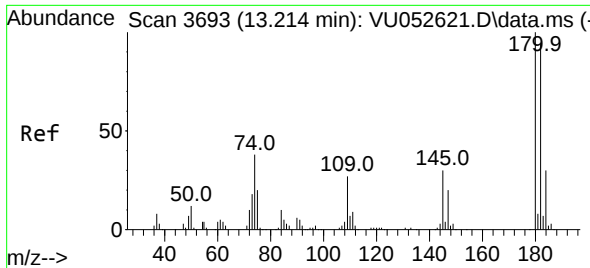
Tgt Ion:146 Resp: 268614
Ion Ratio Lower Upper
146 100
111 45.8 35.7 53.5
148 64.0 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 64.862 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU052633.D
Acq: 06 Jan 2023 18:07

Tgt Ion: 75 Resp: 70823
Ion Ratio Lower Upper
75 100
155 65.7 53.5 80.3
157 87.1 68.4 102.6

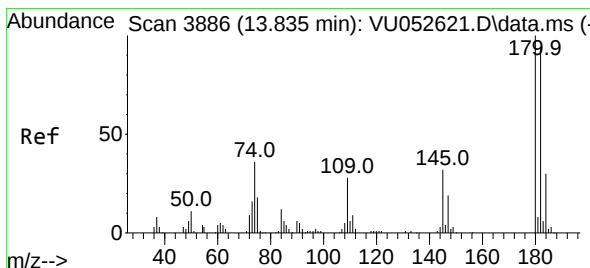
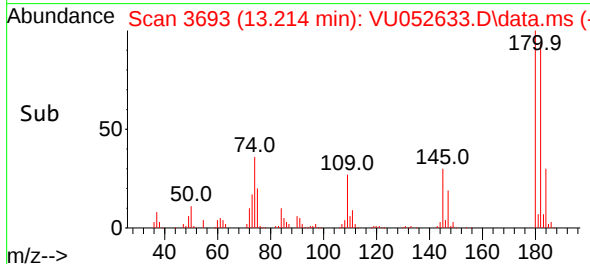
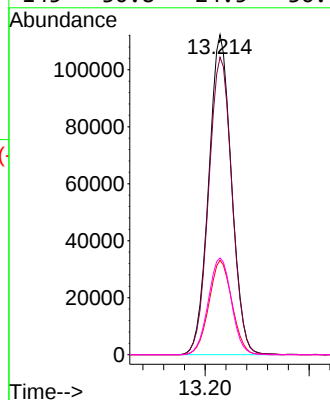
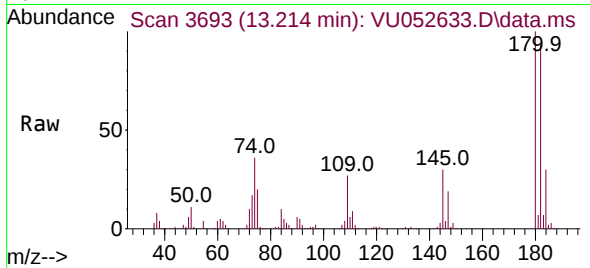




#69
 1,3,5-Trichlorobenzene
 Concen: 47.973 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052633.D
 Acq: 06 Jan 2023 18:07

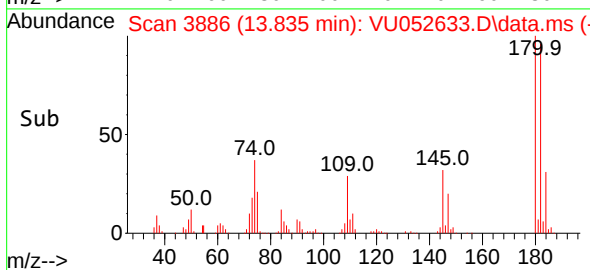
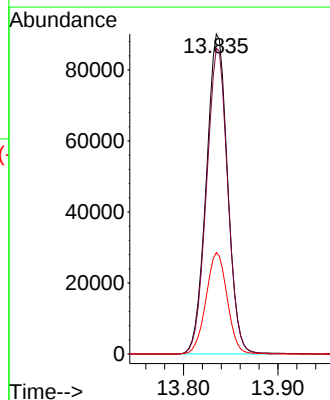
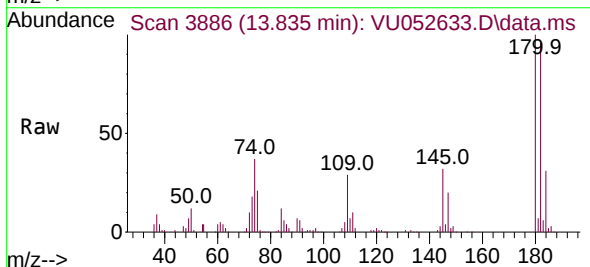
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050138

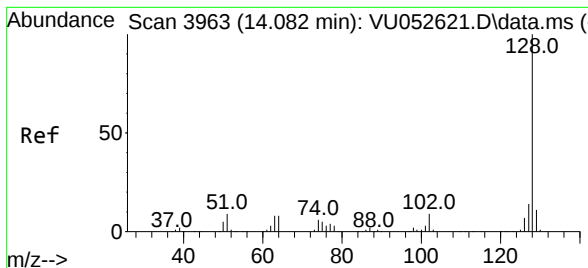
Tgt Ion:180 Resp: 170423
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.9 113.9
 184 29.9 23.8 35.8
 145 30.8 24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 46.725 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052633.D
 Acq: 06 Jan 2023 18:07

Tgt Ion:180 Resp: 141222
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.0
 145 31.5 25.0 37.6





#71

Naphthalene

Concen: 59.801 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050138

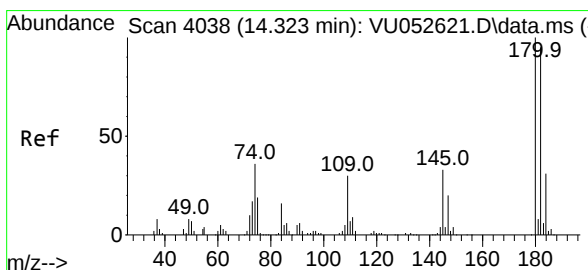
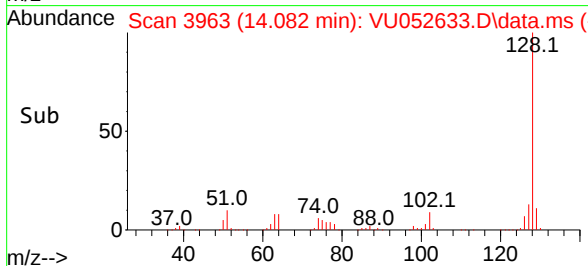
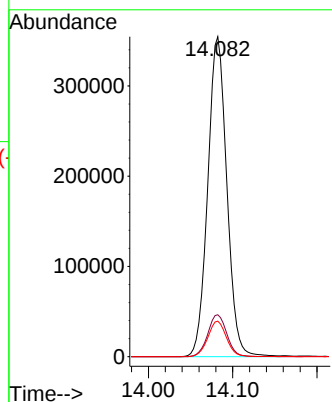
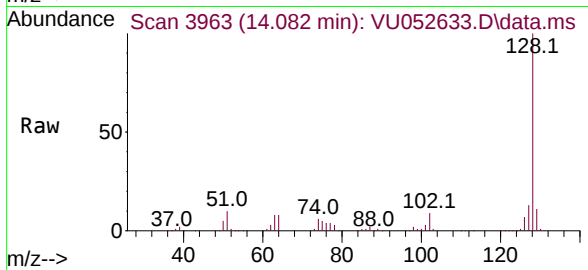
Tgt Ion:128 Resp: 558663

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.392 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.001 min

Lab File: VU052633.D

Acq: 06 Jan 2023 18:07

Tgt Ion:180 Resp: 156474

Ion Ratio Lower Upper

180 100

182 93.3 76.4 114.6

145 32.9 27.0 40.4

