

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010923\
 Data File : VU052635.D
 Acq On : 09 Jan 2023 10:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 20:57:01 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	6.247	114	339811	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	334861	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	182290	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	169380	44.252	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.500%
7) Chloroethane-d5	1.909	69	123286	41.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.340%
11) 1,1-Dichloroethene-d2	2.565	63	265847	42.237	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.480%
21) 2-Butanone-d5	4.623	46	210061	86.721	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.720%
24) Chloroform-d	5.060	84	269177	44.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.480%
26) 1,2-Dichloroethane-d4	5.697	65	176235	44.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.120%
32) Benzene-d6	5.723	84	547269	47.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
36) 1,2-Dichloropropane-d6	6.687	67	188423	46.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.620%
41) Toluene-d8	7.896	98	472637	48.130	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.176	79	72211	40.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.680%
47) 2-Hexanone-d5	8.636	63	135626	94.594	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.590%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	246219	45.935	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.860%
66) 1,2-Dichlorobenzene-d4	12.189	152	166868	47.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	134968	45.992	ug/L	99
3) Chloromethane	1.520	50	189638	46.685	ug/L	98
5) Vinyl chloride	1.604	62	181337	48.003	ug/L	98
6) Bromomethane	1.855	94	83094	46.052	ug/L	97
8) Chloroethane	1.929	64	105714	43.353	ug/L	99
9) Trichlorofluoromethane	2.134	101	209640	48.625	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	117970	45.597	ug/L	99
12) 1,1-Dichloroethene	2.578	96	111690	46.722	ug/L	85
13) Acetone	2.633	43	163841	66.724	ug/L	97
14) Carbon disulfide	2.790	76	337119	45.939	ug/L	100
15) Methyl Acetate	2.945	43	177529	46.541	ug/L	99
16) Methylene chloride	3.044	84	154972	48.717	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	121234	48.543	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	409781	50.837	ug/L	99
19) 1,1-Dichloroethane	3.864	63	280272	48.786	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	138308	49.612	ug/L	100
22) 2-Butanone	4.703	43	243086	84.663	ug/L	99
23) Bromochloromethane	4.970	128	71263	50.112	ug/L	95
25) Chloroform	5.083	83	272424	50.164	ug/L	100

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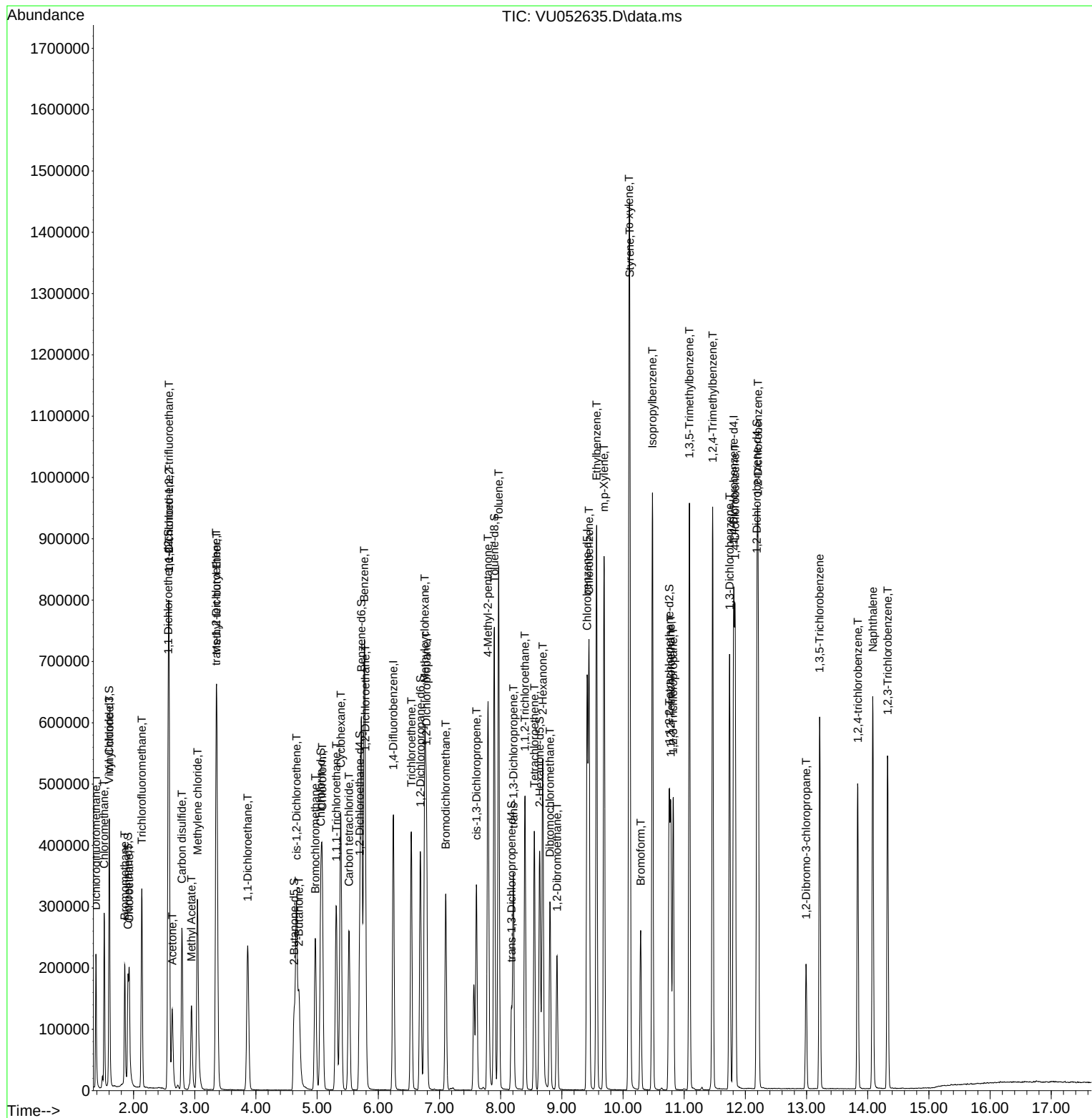
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	216377	48.266	ug/L	100
29) Cyclohexane	5.385	56	222498	50.012	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	213462	49.778	ug/L	99
31) Carbon tetrachloride	5.520	117	176954	49.893	ug/L	99
33) Benzene	5.771	78	595715	50.794	ug/L	100
34) Trichloroethene	6.539	95	142942	53.488	ug/L	98
35) Methylcyclohexane	6.761	83	196944	46.890	ug/L	99
37) 1,2-Dichloropropane	6.787	63	173475	50.246	ug/L	99
38) Bromodichloromethane	7.102	83	207930	50.231	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	193410	42.471	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	478839	103.674	ug/L	98
42) Toluene	7.967	91	583272	51.711	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	194259	44.264	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	142906	50.347	ug/L	99
46) Tetrachloroethene	8.552	164	89622	48.868	ug/L	94
48) 2-Hexanone	8.687	43	372442	97.790	ug/L	97
49) Dibromochloromethane	8.806	129	152230	51.428	ug/L	98
50) 1,2-Dibromoethane	8.922	107	143694	50.170	ug/L	99
51) Chlorobenzene	9.443	112	360493	50.253	ug/L	99
52) Ethylbenzene	9.568	91	613294	52.448	ug/L	100
53) m,p-Xylene	9.690	106	233116	53.379	ug/L	98
54) o-xylene	10.099	106	225470	53.800	ug/L	100
55) Styrene	10.111	104	414948	55.571	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	234099	45.352	ug/L	98
59) Bromoform	10.288	173	109833	54.204	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	206742	51.092	ug/L	99
61) Isopropylbenzene	10.481	105	583405	54.232	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	486305	55.440	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	487026	56.180	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	265741	51.309	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	270619	49.592	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	276250	51.898	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	53330	47.439	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	172803	47.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	141155	45.362	ug/L	99
71) Naphthalene	14.082	128	474876	49.373	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	153073	47.881	ug/L	99

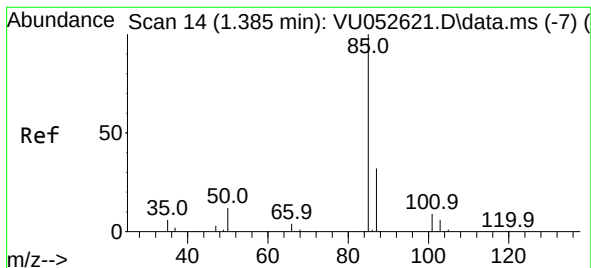
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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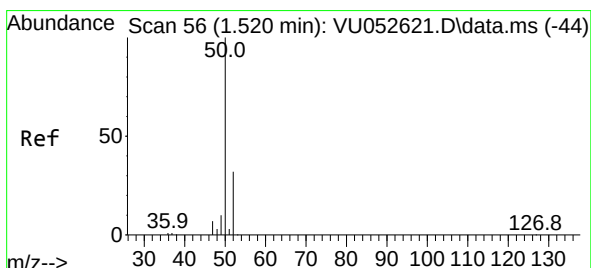
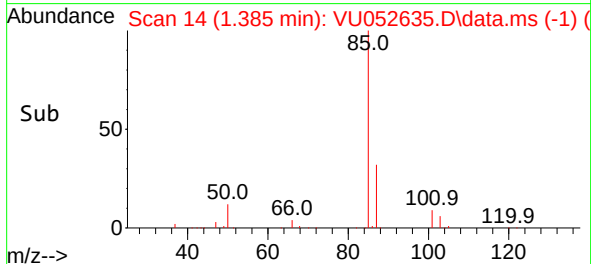
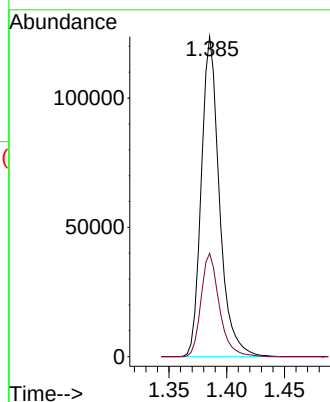
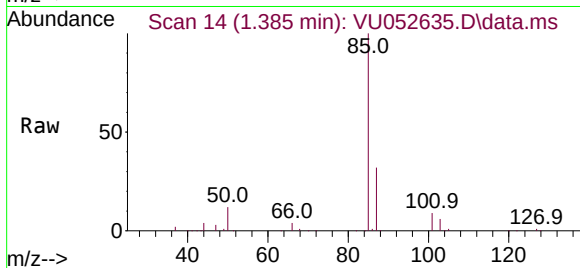




#2
Dichlorodifluoromethane
Concen: 45.992 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

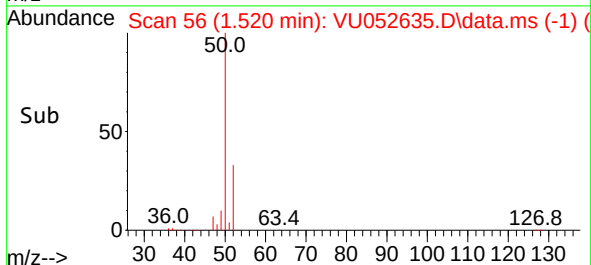
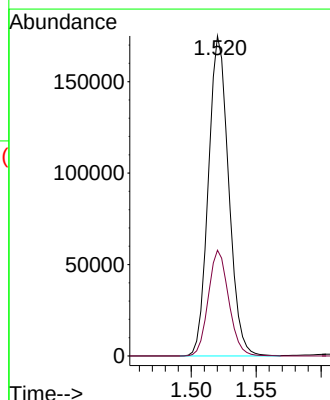
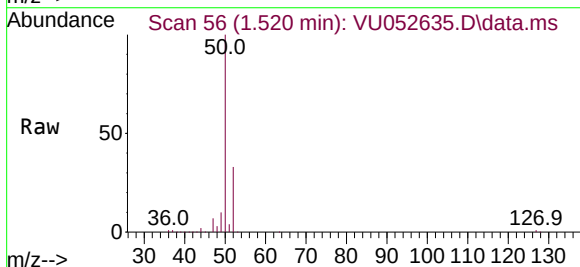
Instrument :
MSVOA_U
ClientSampleId :

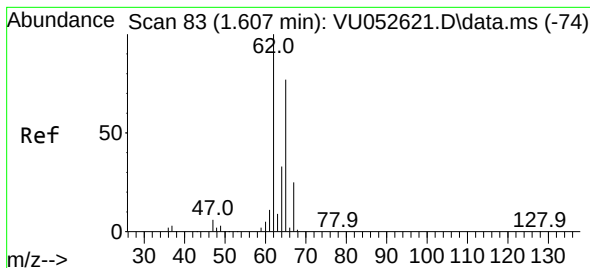
Tgt Ion: 85 Resp: 134968
Ion Ratio Lower Upper
85 100
87 32.5 25.5 38.3



#3
Chloromethane
Concen: 46.685 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 50 Resp: 189638
Ion Ratio Lower Upper
50 100
52 33.1 22.3 41.5





#5

Vinyl chloride

Concen: 48.003 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

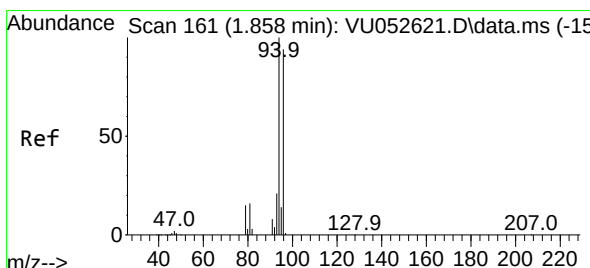
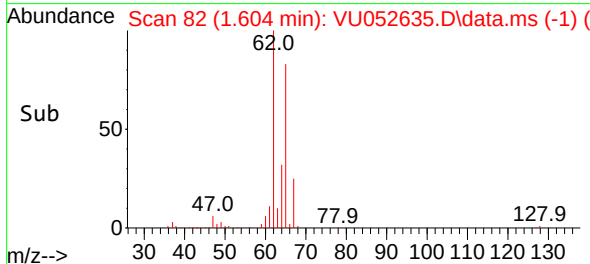
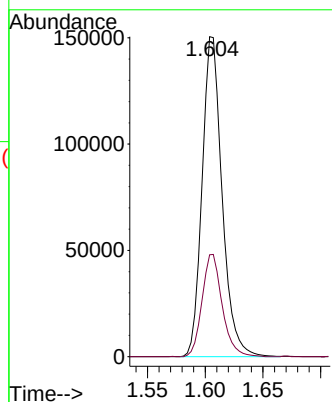
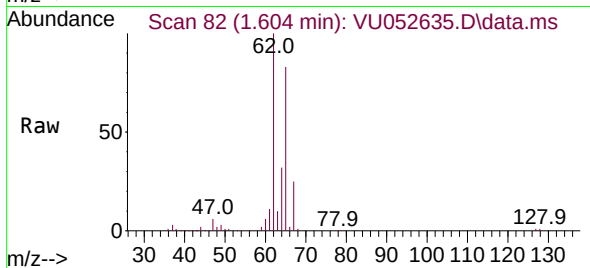
ClientSampleId :

Tgt Ion: 62 Resp: 181337

Ion Ratio Lower Upper

62 100

64 31.8 23.0 42.6



#6

Bromomethane

Concen: 46.052 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052635.D

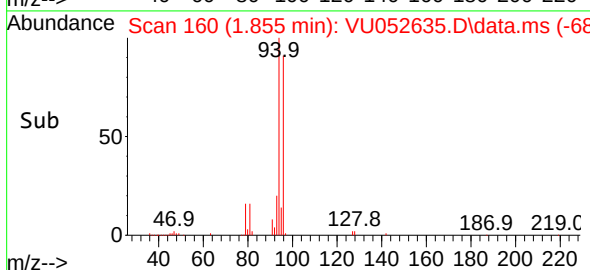
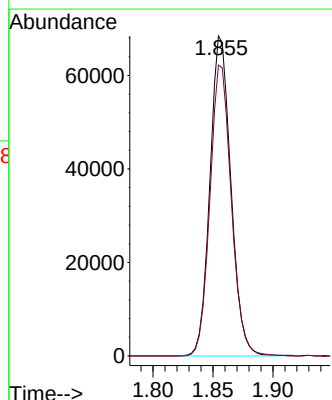
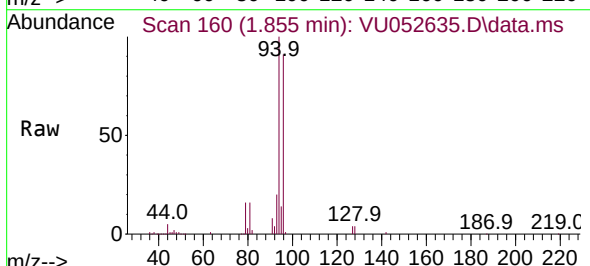
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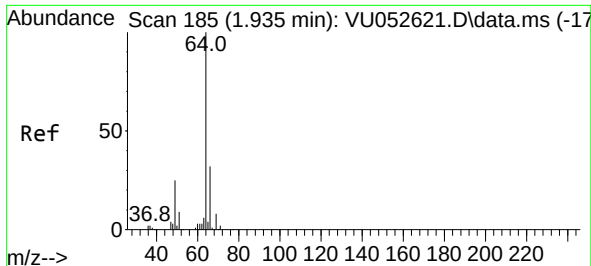
Tgt Ion: 94 Resp: 83094

Ion Ratio Lower Upper

94 100

96 90.9 65.8 122.2

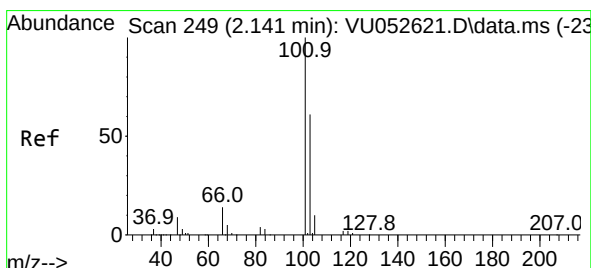
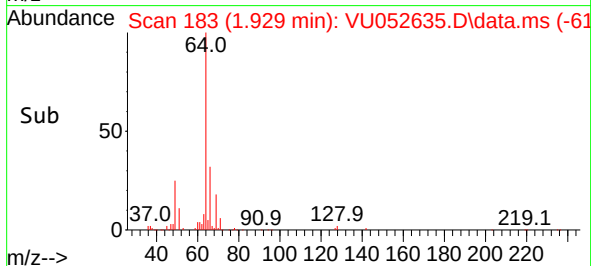
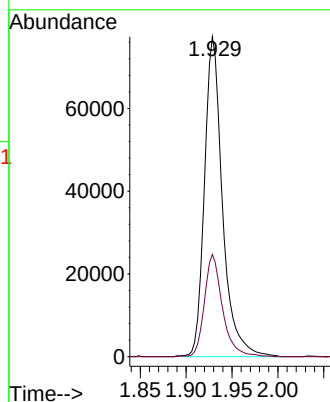
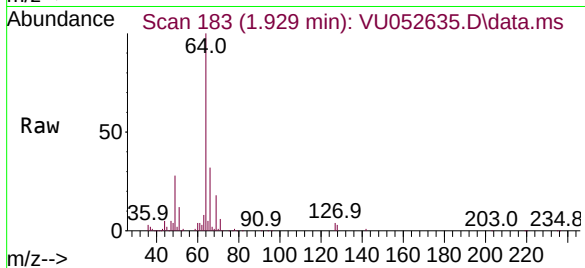




#8
Chloroethane
Concen: 43.353 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

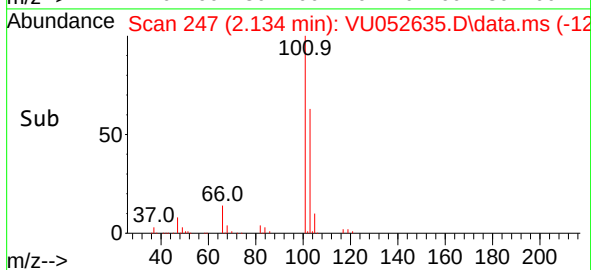
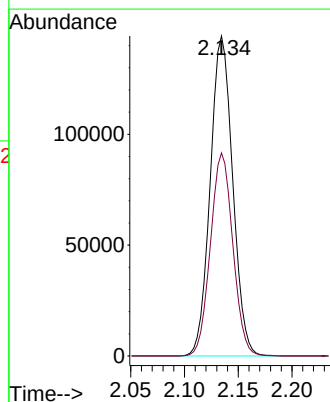
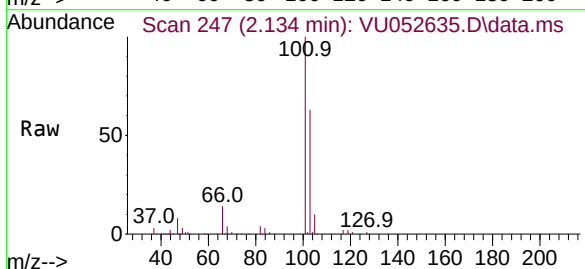
Instrument :
MSVOA_U
ClientSampleId :

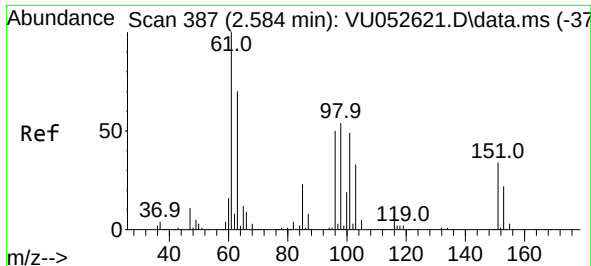
Tgt Ion: 64 Resp: 105714
Ion Ratio Lower Upper
64 100
66 31.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 48.625 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.007 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 101 Resp: 209640
Ion Ratio Lower Upper
101 100
103 63.3 50.2 75.2

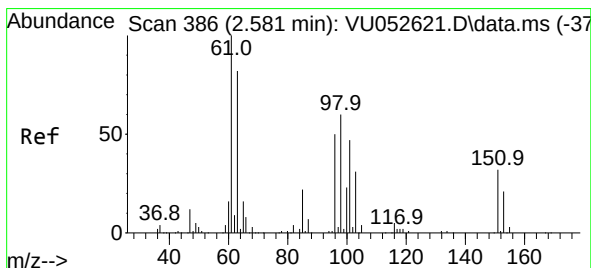
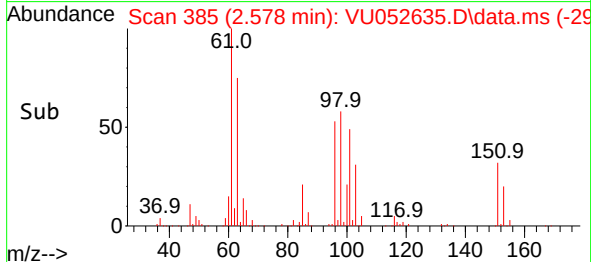
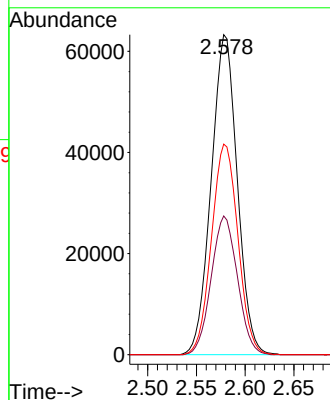
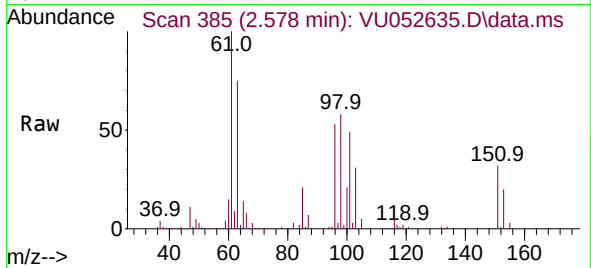




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.597 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU052635.D
 Acq: 09 Jan 2023 10:13

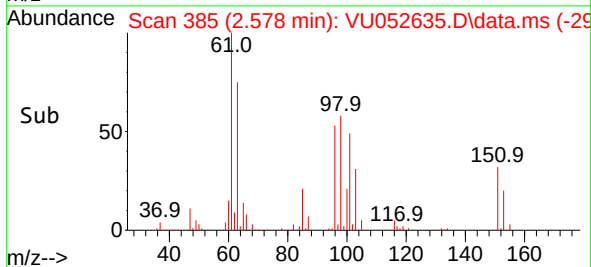
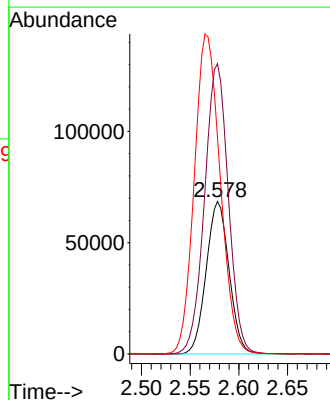
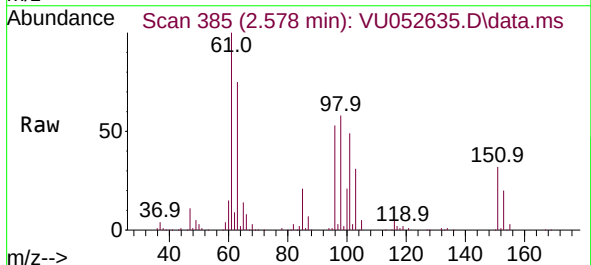
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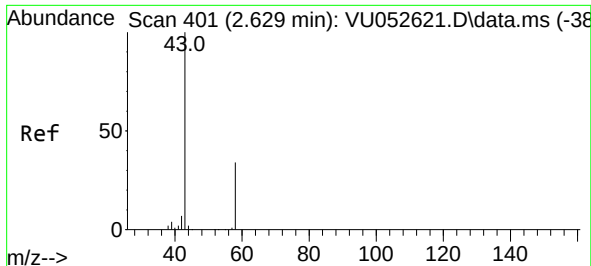
Tgt Ion:101 Resp: 117970
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.8 53.6
 151 66.6 53.2 79.8



#12
 1,1-Dichloroethene
 Concen: 46.722 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052635.D
 Acq: 09 Jan 2023 10:13

Tgt Ion: 96 Resp: 111690
 Ion Ratio Lower Upper
 96 100
 61 190.4 140.8 261.6
 63 142.1 122.6 227.6





#13

Acetone

Concen: 66.724 ug/L

RT: 2.633 min Scan# 401

Delta R.T. 0.004 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

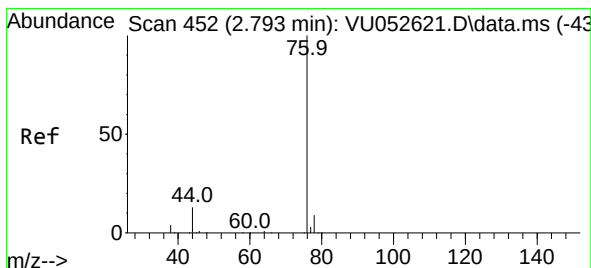
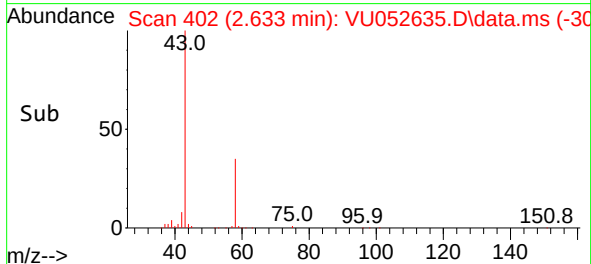
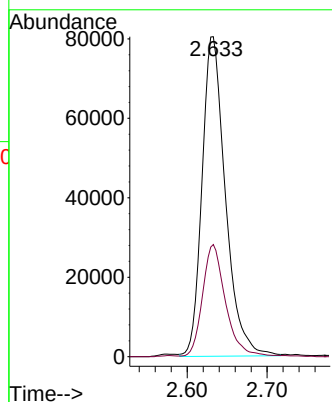
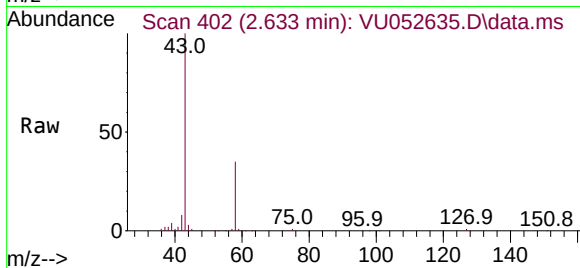
ClientSampleId :

Tgt Ion: 43 Resp: 163841

Ion Ratio Lower Upper

43 100

58 34.1 0.0 64.4



#14

Carbon disulfide

Concen: 45.939 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU052635.D

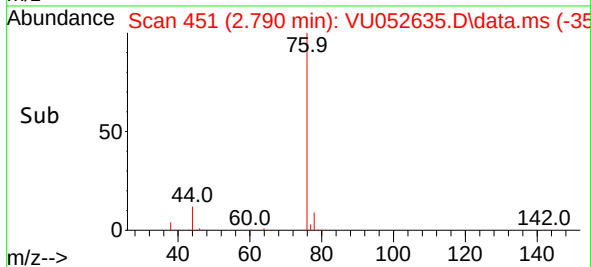
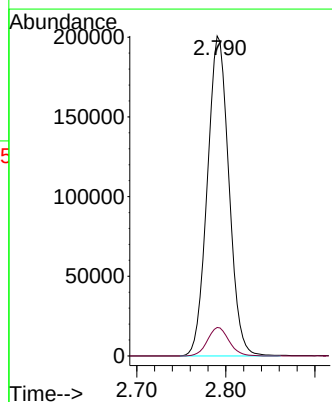
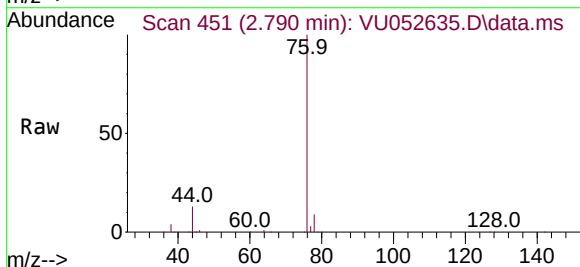
Acq: 09 Jan 2023 10:13

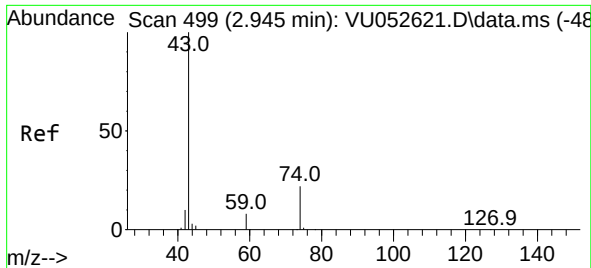
Tgt Ion: 76 Resp: 337119

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

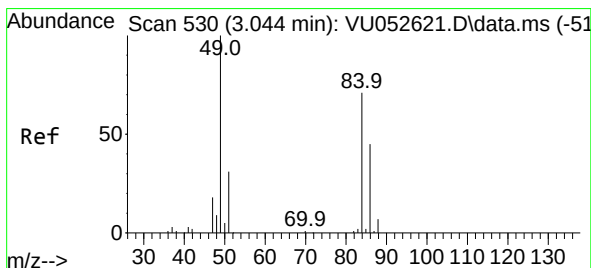
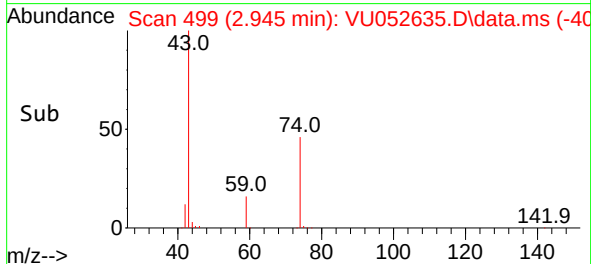
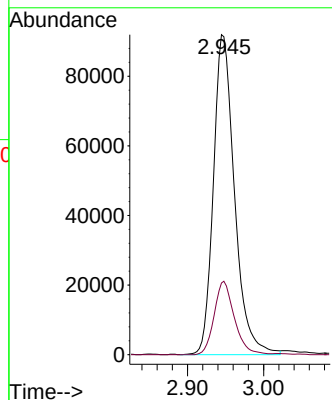
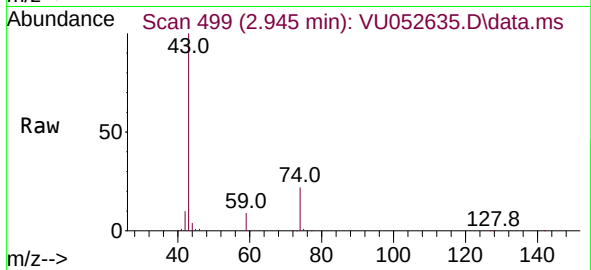




#15
Methyl Acetate
Concen: 46.541 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

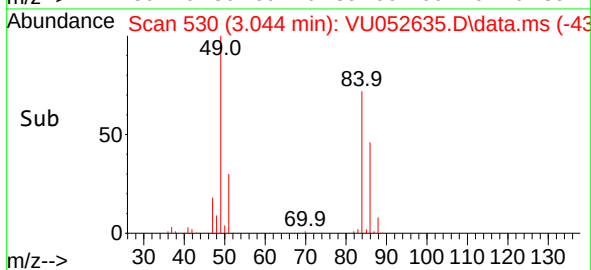
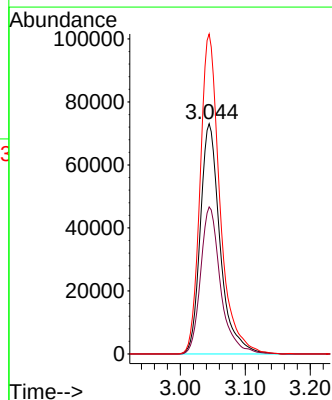
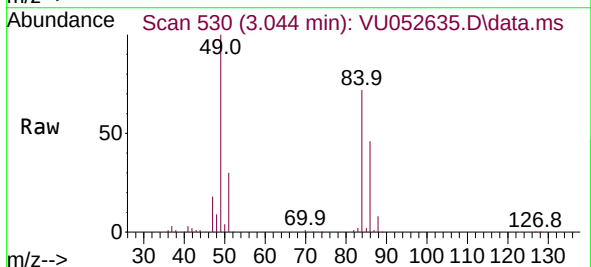
Instrument :
MSVOA_U
ClientSampleId :

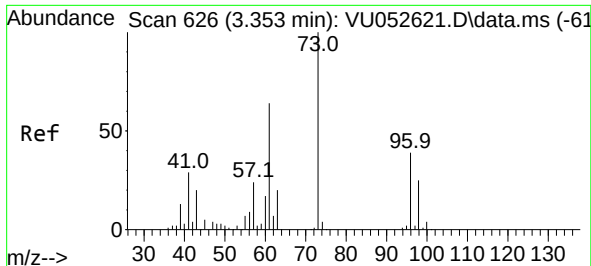
Tgt Ion: 43 Resp: 177529
Ion Ratio Lower Upper
43 100
74 21.9 17.2 25.8



#16
Methylene chloride
Concen: 48.717 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 84 Resp: 154972
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 139.0 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 48.543 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

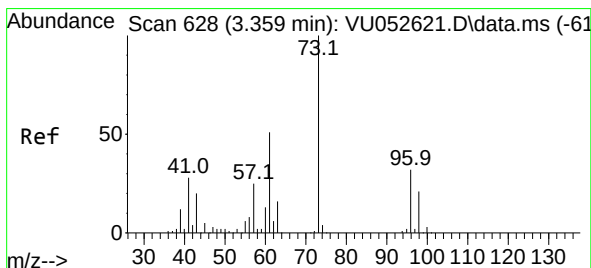
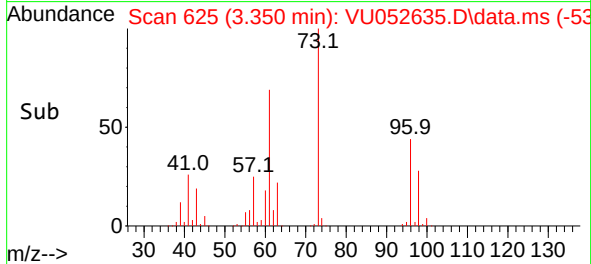
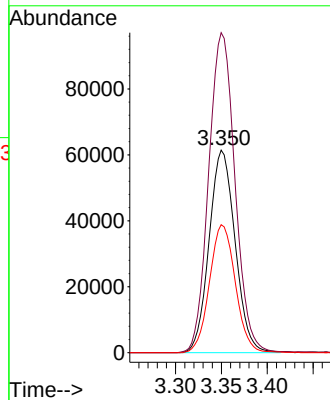
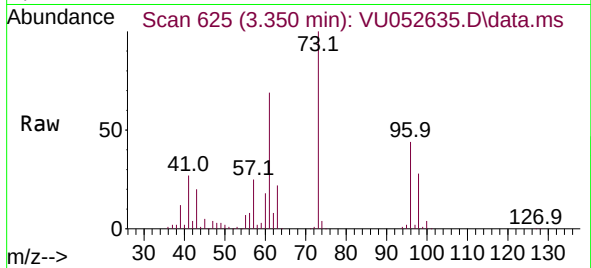
Tgt Ion: 96 Resp: 121234

Ion Ratio Lower Upper

96 100

61 158.0 115.3 214.1

98 63.2 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 50.837 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

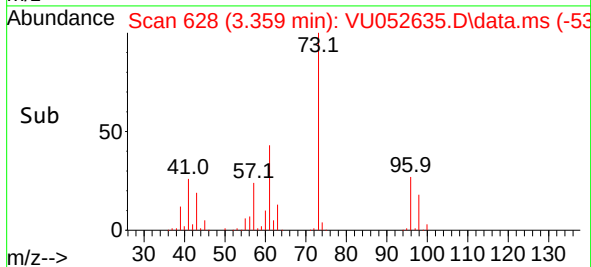
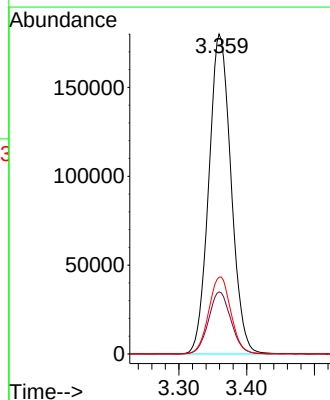
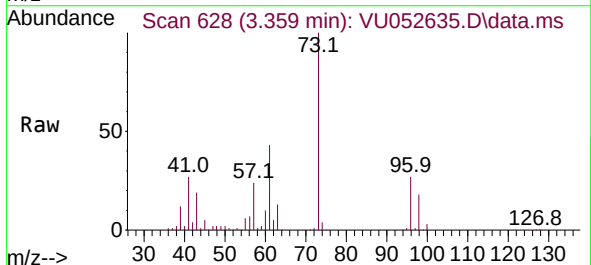
Tgt Ion: 73 Resp: 409781

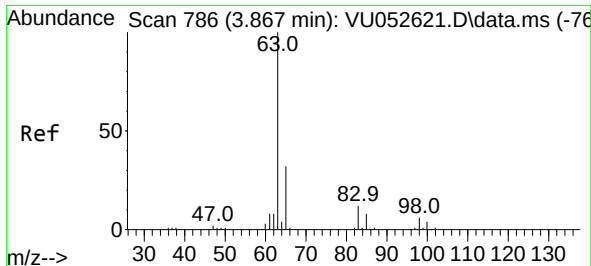
Ion Ratio Lower Upper

73 100

43 19.7 16.3 24.5

57 24.1 19.6 29.4





#19

1,1-Dichloroethane

Concen: 48.786 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

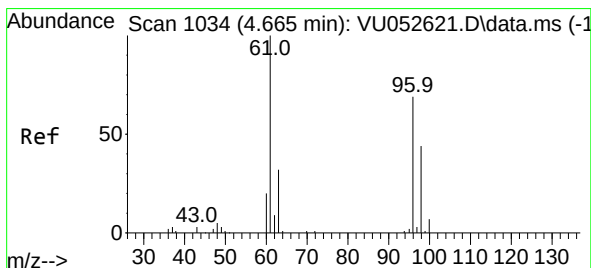
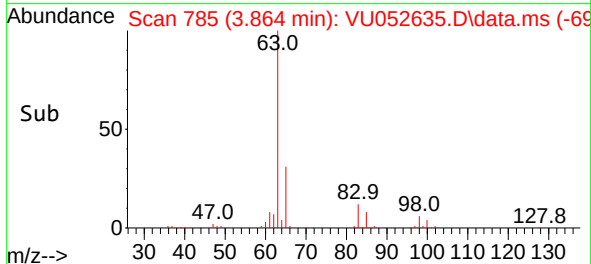
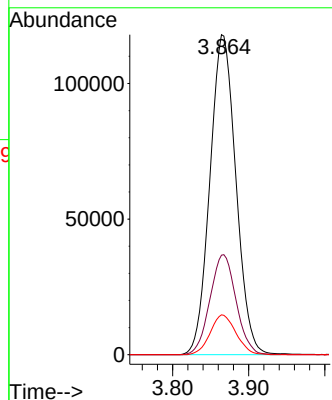
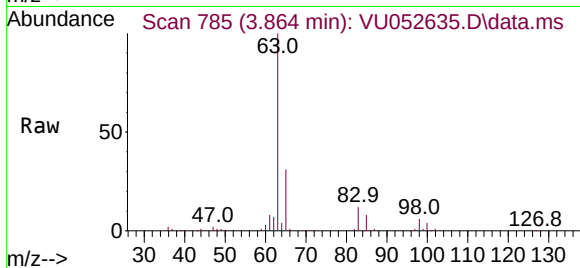
Tgt Ion: 63 Resp: 280272

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

83 12.4 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 49.612 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

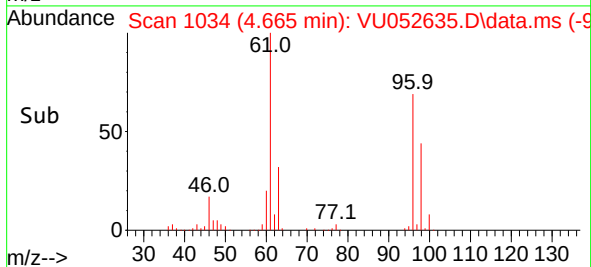
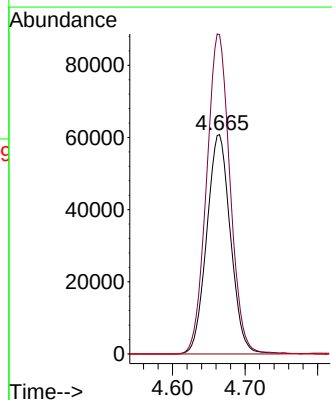
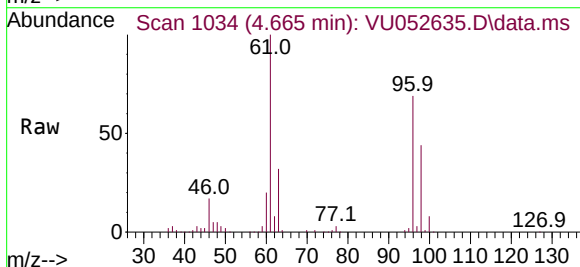
Tgt Ion: 96 Resp: 138308

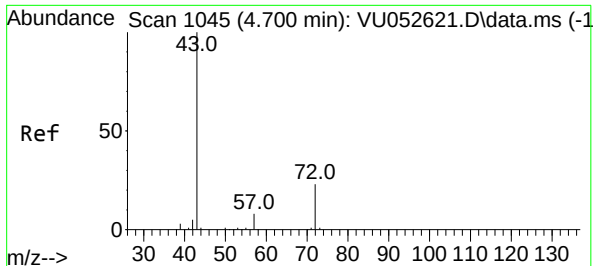
Ion Ratio Lower Upper

96 100

61 145.6 102.1 189.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.663 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

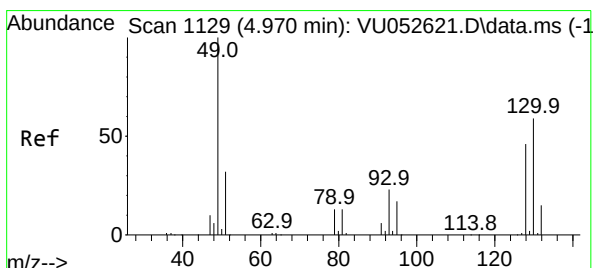
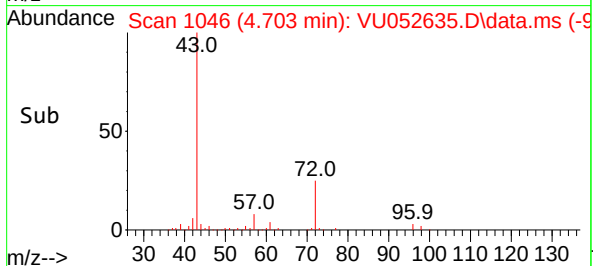
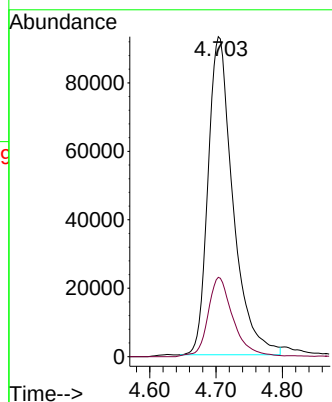
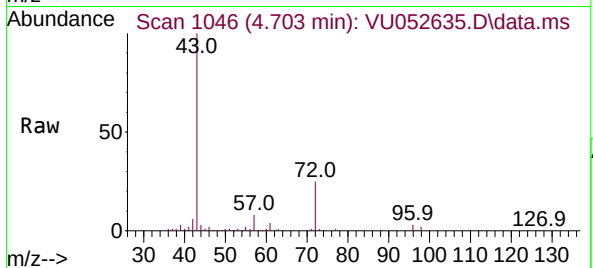
ClientSampleId :

Tgt Ion: 43 Resp: 243086

Ion Ratio Lower Upper

43 100

72 25.2 12.4 37.4



#23

Bromochloromethane

Concen: 50.112 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Tgt Ion:128 Resp: 71263

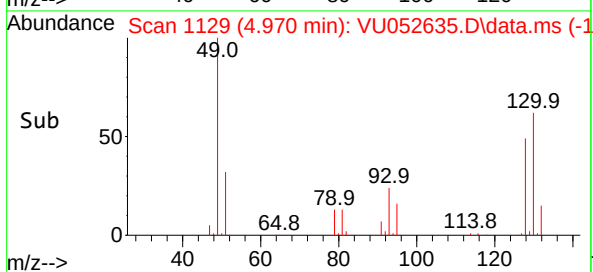
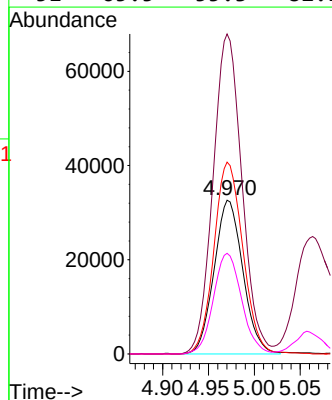
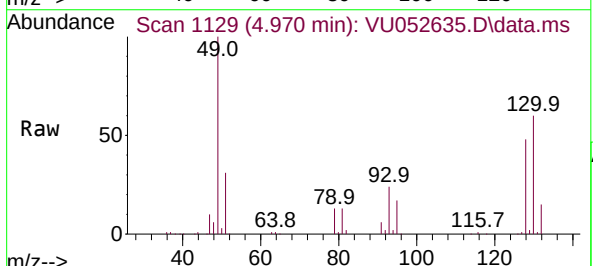
Ion Ratio Lower Upper

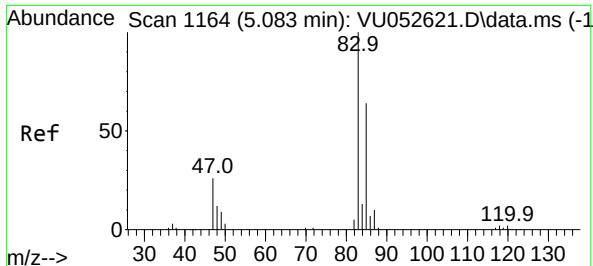
128 100

49 208.2 152.3 282.9

130 124.8 89.2 165.8

51 65.5 55.3 82.9





#25

Chloroform

Concen: 50.164 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

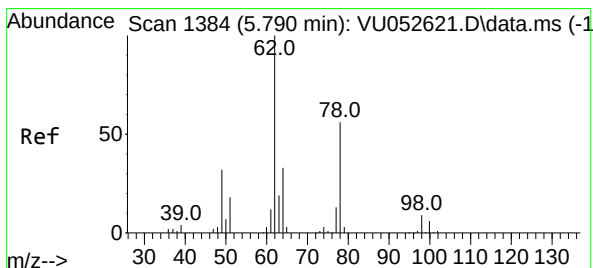
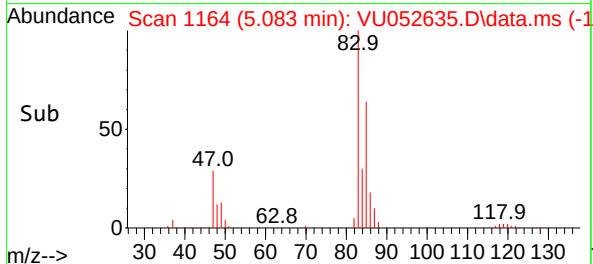
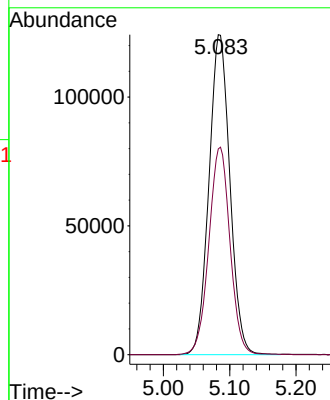
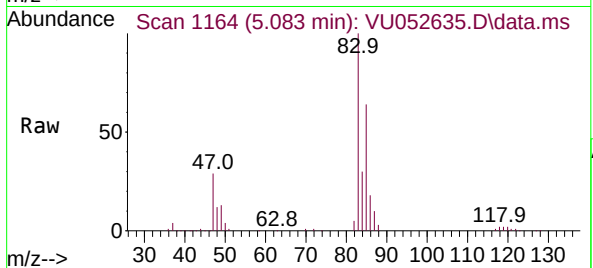
ClientSampleId :

Tgt Ion: 83 Resp: 272424

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5



#27

1,2-Dichloroethane

Concen: 48.266 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052635.D

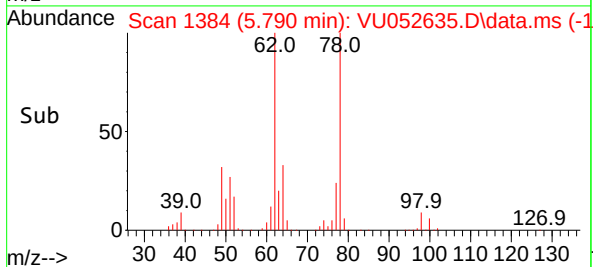
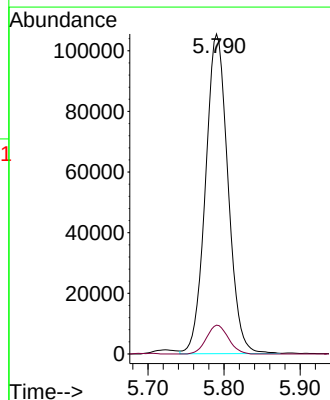
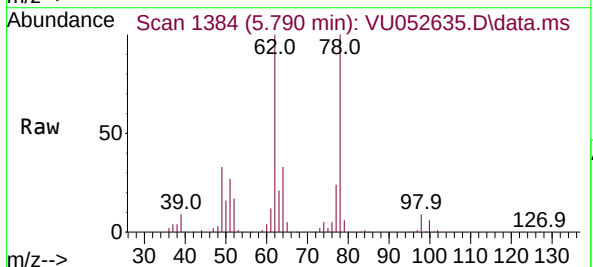
Acq: 09 Jan 2023 10:13

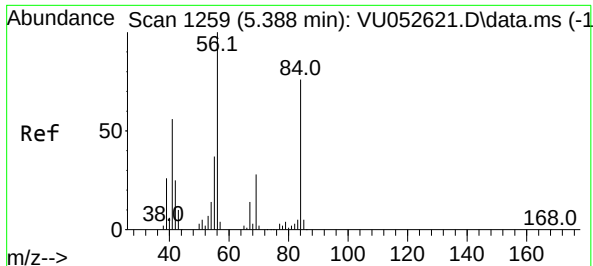
Tgt Ion: 62 Resp: 216377

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 50.012 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

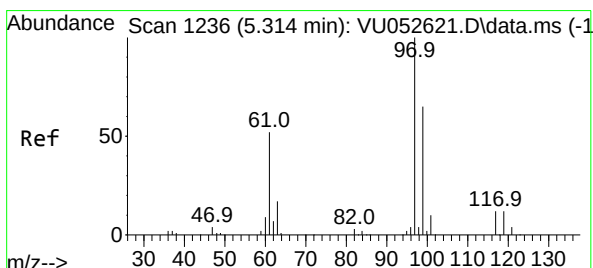
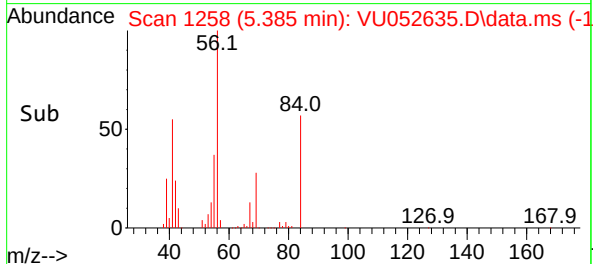
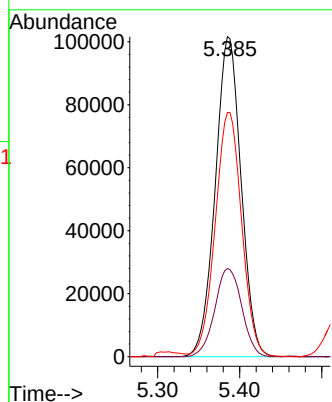
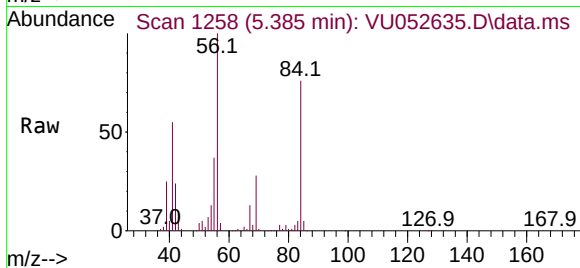
Tgt Ion: 56 Resp: 222498

Ion Ratio Lower Upper

56 100

69 28.7 22.5 33.7

84 77.8 62.3 93.5



#30

1,1,1-Trichloroethane

Concen: 49.778 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

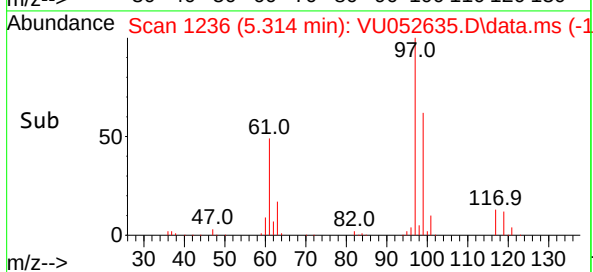
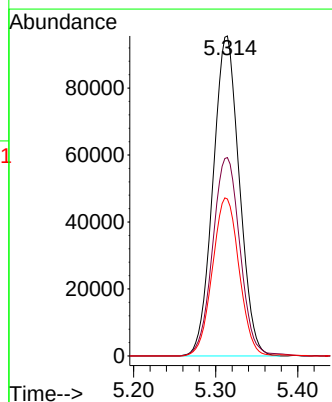
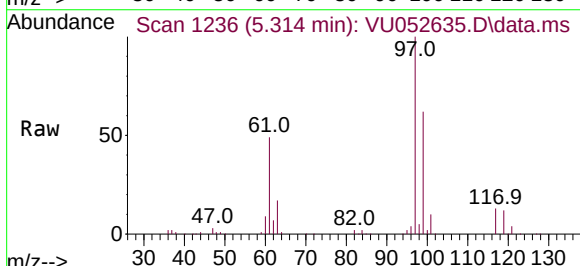
Tgt Ion: 97 Resp: 213462

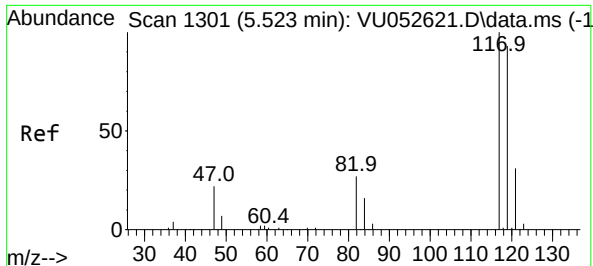
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 49.9 41.2 61.8

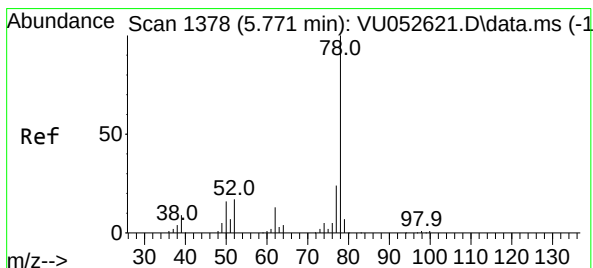
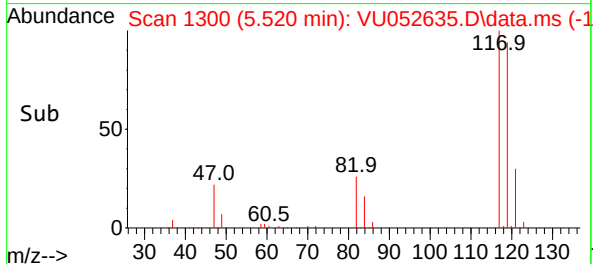
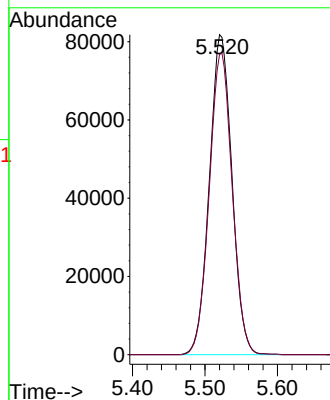
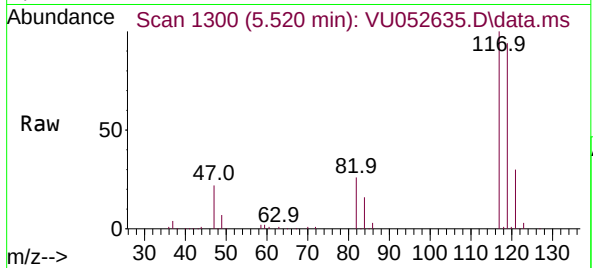




#31
Carbon tetrachloride
Concen: 49.893 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

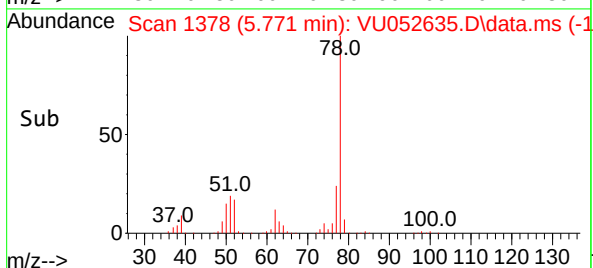
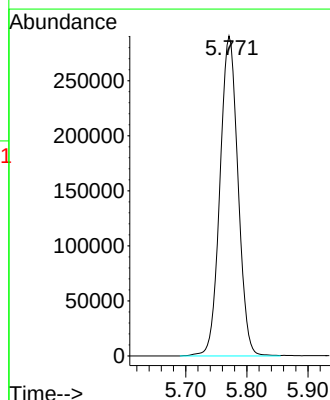
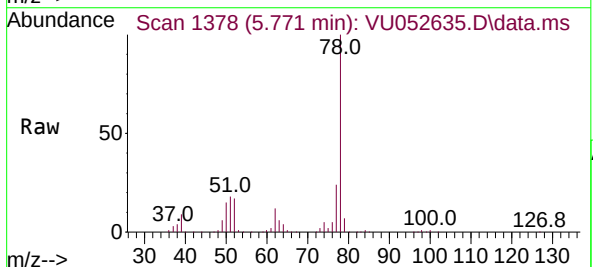
Instrument :
MSVOA_U
ClientSampleId :

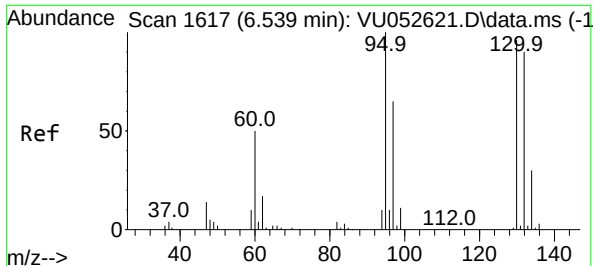
Tgt Ion:117 Resp: 176954
Ion Ratio Lower Upper
117 100
119 95.8 76.0 114.0



#33
Benzene
Concen: 50.794 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 78 Resp: 595715

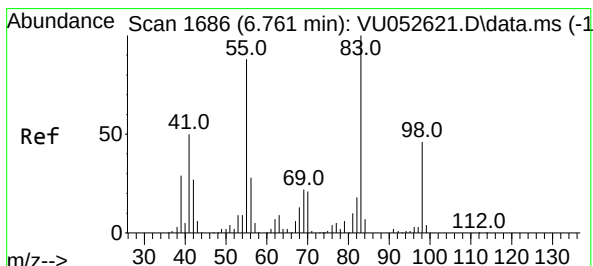
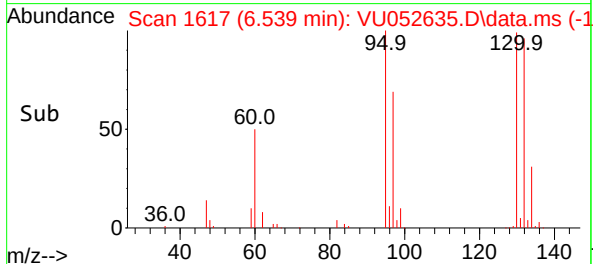
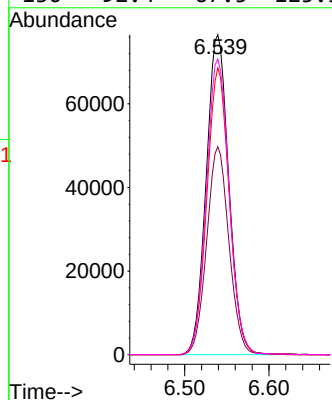
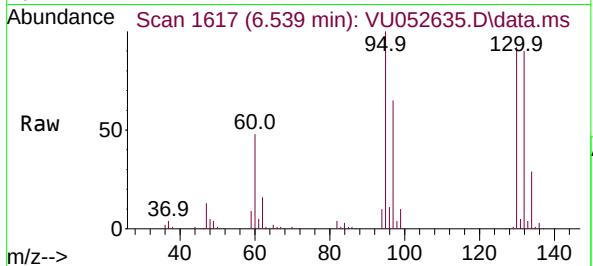




#34
Trichloroethene
Concen: 53.488 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

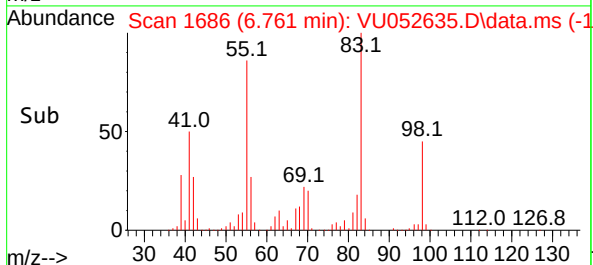
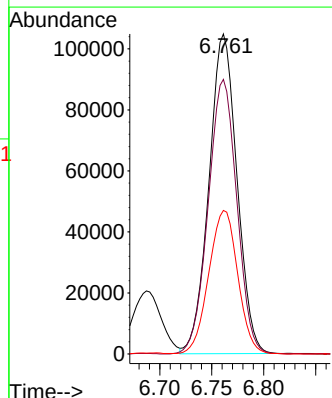
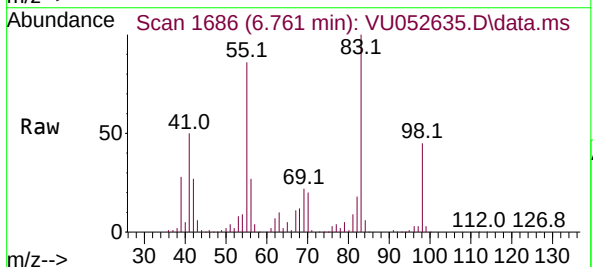
Instrument :
MSVOA_U
ClientSampleId :

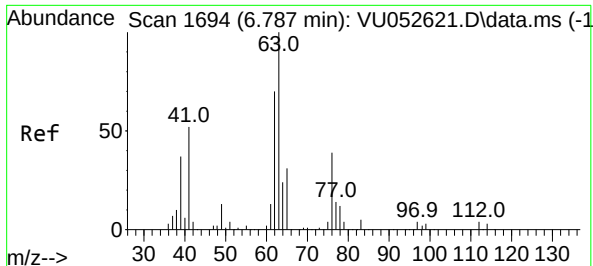
Tgt Ion: 95 Resp: 142942
Ion Ratio Lower Upper
95 100
97 65.0 45.7 84.9
132 89.6 62.6 116.3
130 92.4 67.5 125.3



#35
Methylcyclohexane
Concen: 46.890 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 83 Resp: 196944
Ion Ratio Lower Upper
83 100
55 87.7 71.0 106.4
98 46.5 37.0 55.6





#37

1,2-Dichloropropane

Concen: 50.246 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

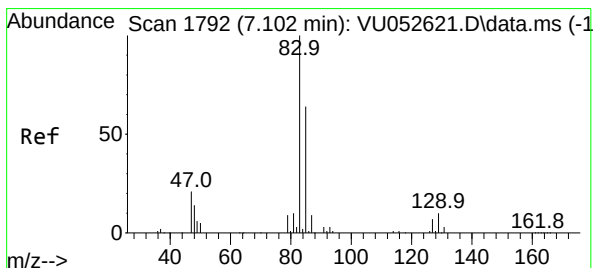
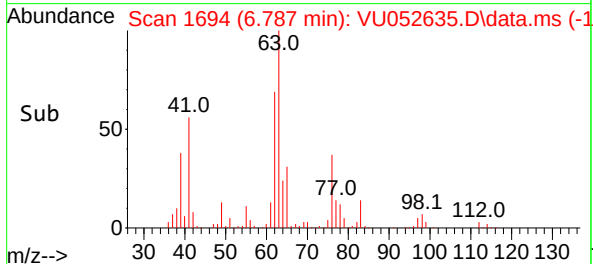
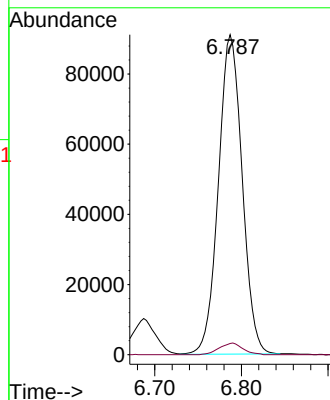
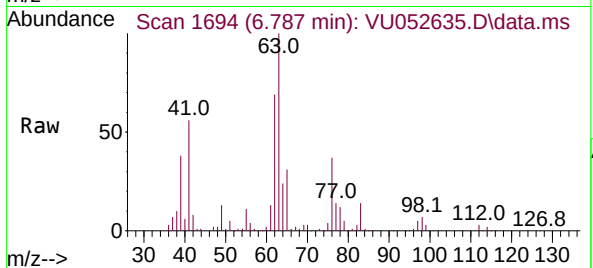
ClientSampleId :

Tgt Ion: 63 Resp: 173475

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



#38

Bromodichloromethane

Concen: 50.231 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

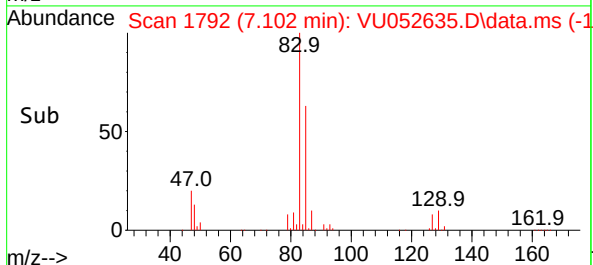
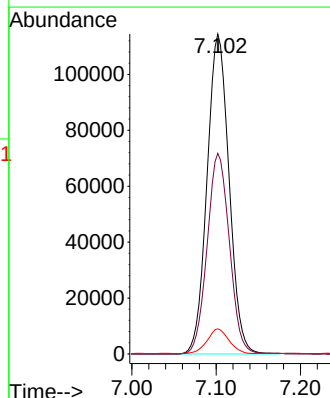
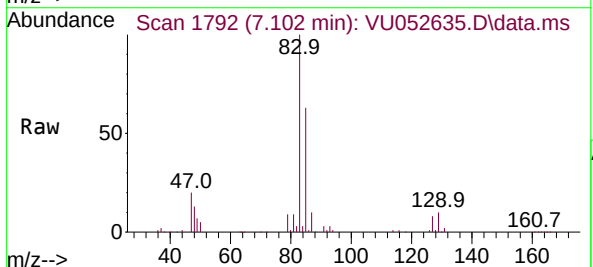
Tgt Ion: 83 Resp: 207930

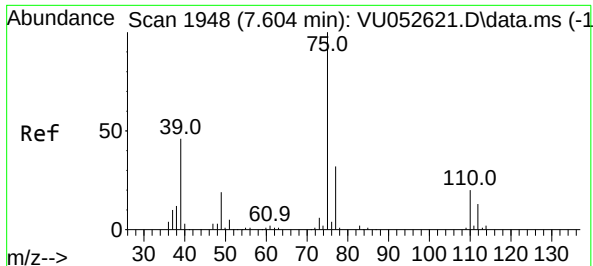
Ion Ratio Lower Upper

83 100

85 62.7 44.7 82.9

127 7.9 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 42.471 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

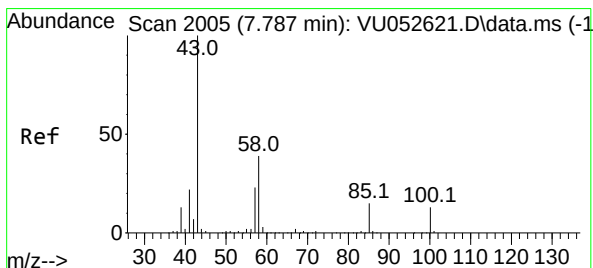
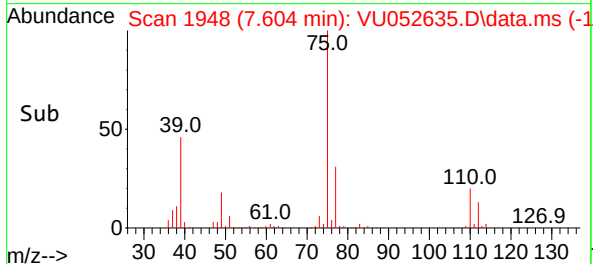
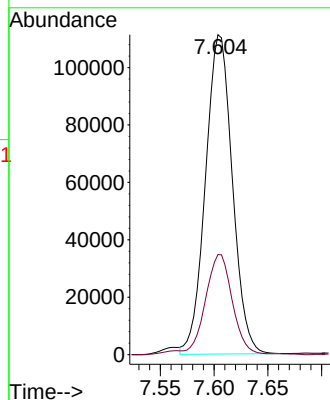
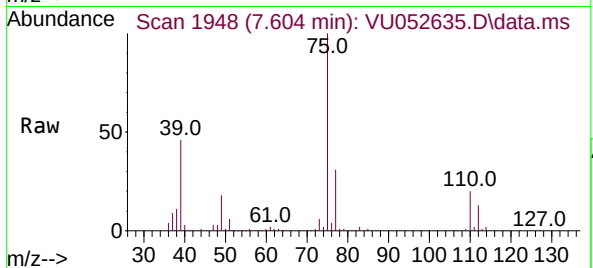
ClientSampleId :

Tgt Ion: 75 Resp: 193410

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 103.674 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

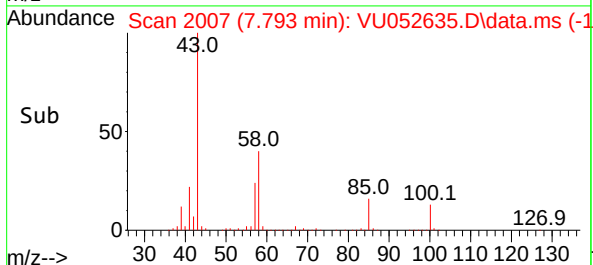
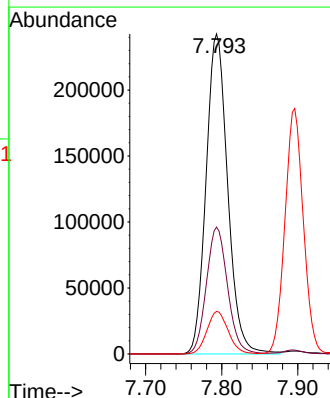
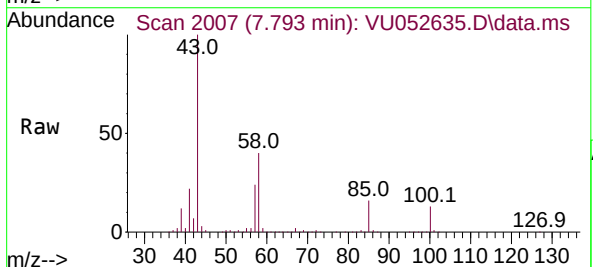
Tgt Ion: 43 Resp: 478839

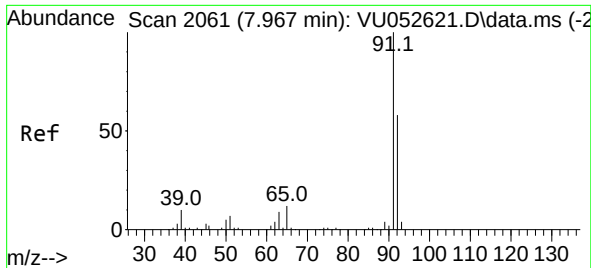
Ion Ratio Lower Upper

43 100

58 38.9 30.4 45.6

100 13.1 9.9 14.9





#42

Toluene

Concen: 51.711 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

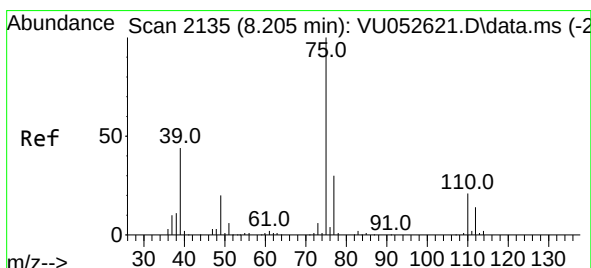
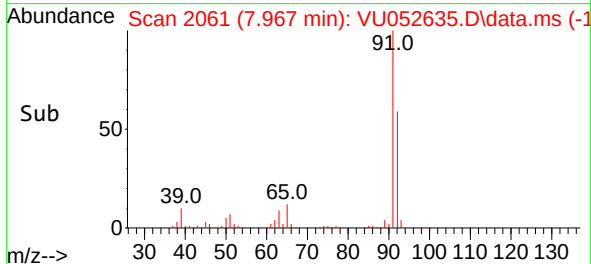
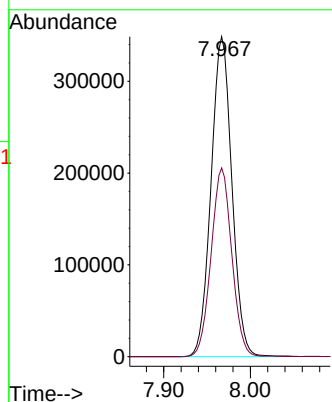
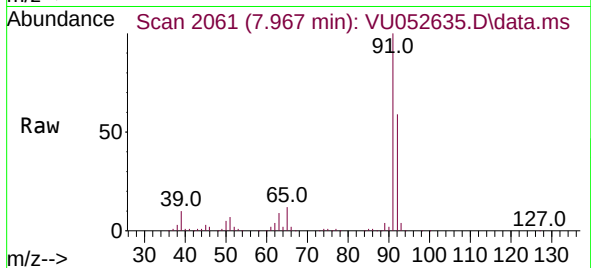
ClientSampleId :

Tgt Ion: 91 Resp: 583272

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 44.264 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052635.D

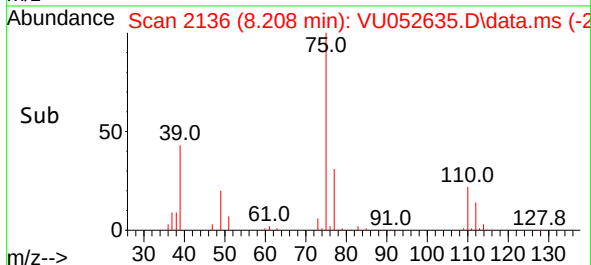
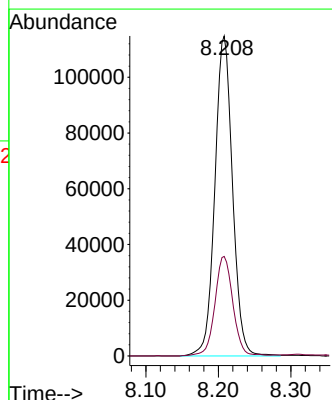
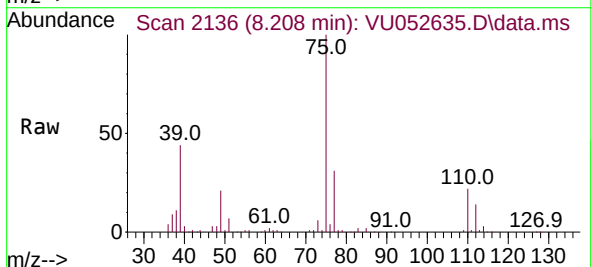
Acq: 09 Jan 2023 10:13

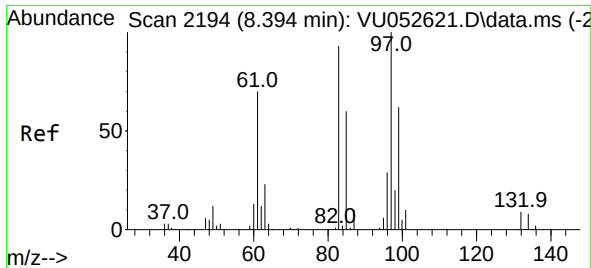
Tgt Ion: 75 Resp: 194259

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.5



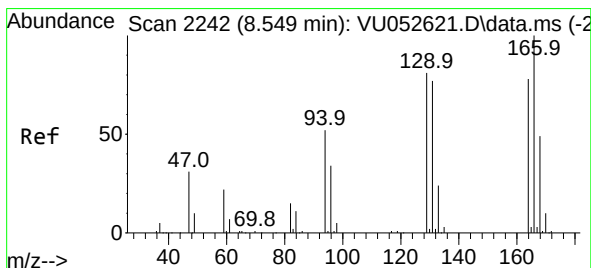
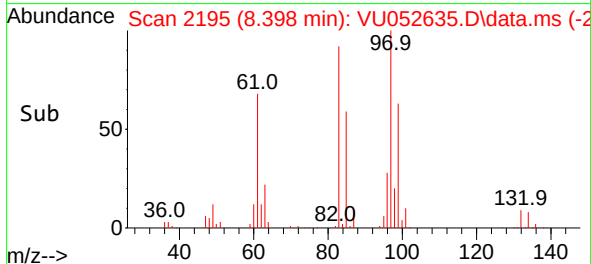
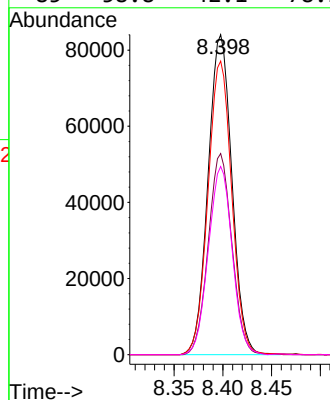
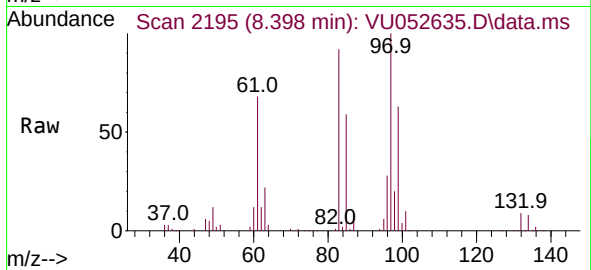


#45
1,1,2-Trichloroethane
Concen: 50.347 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.004 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 142906

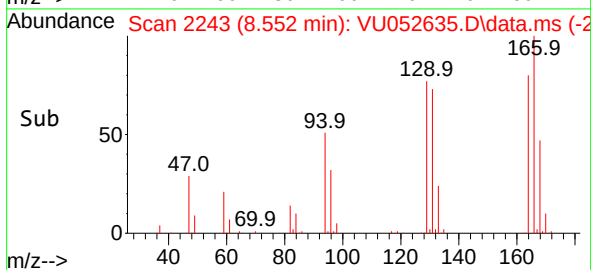
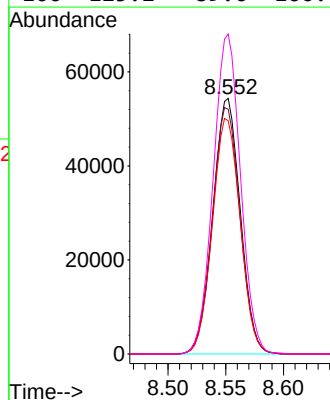
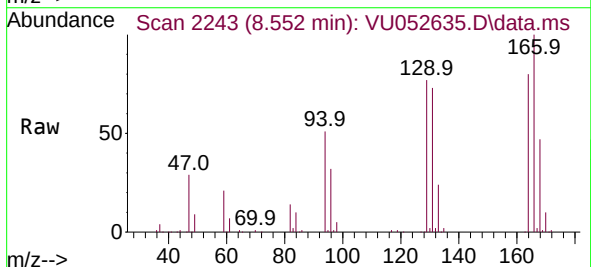
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	91.7	65.2	121.0
85	58.8	42.1	78.1

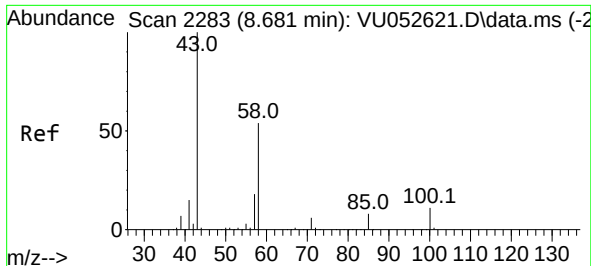


#46
Tetrachloroethene
Concen: 48.868 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 164 Resp: 89622

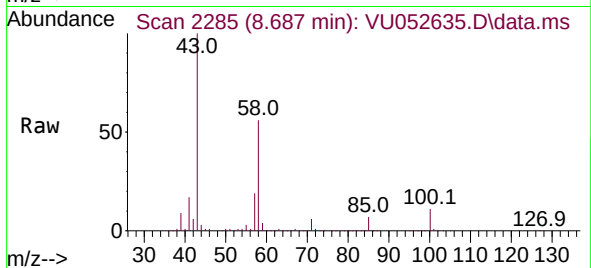
Ion	Ratio	Lower	Upper
164	100		
129	95.8	72.7	134.9
131	91.3	69.2	128.4
166	125.2	89.6	166.4



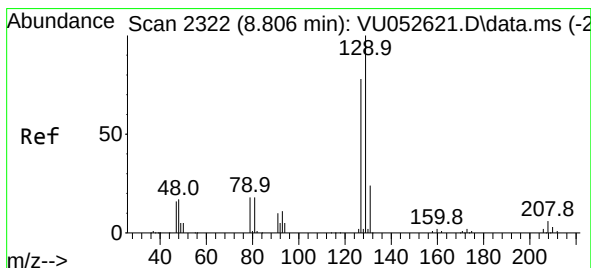
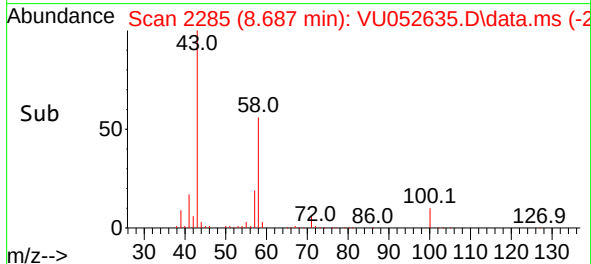
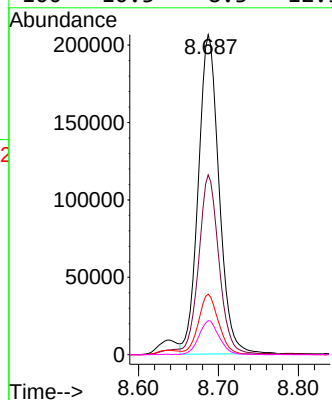


#48
2-Hexanone
Concen: 97.790 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Instrument :
MSVOA_U
ClientSampleId :

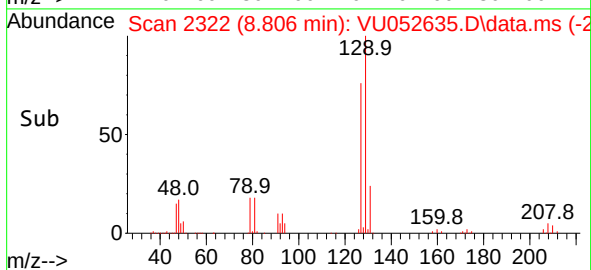
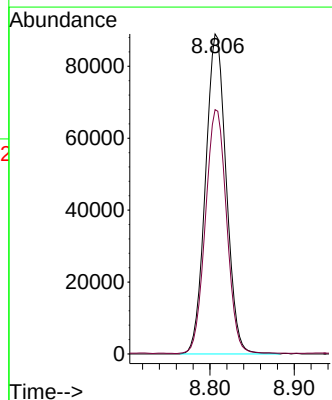
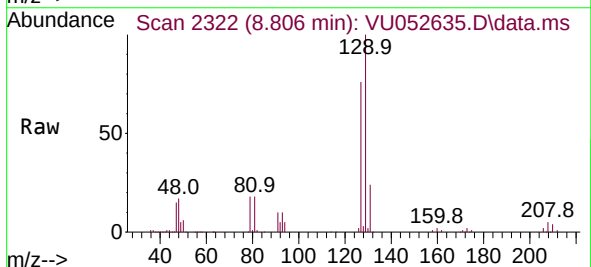


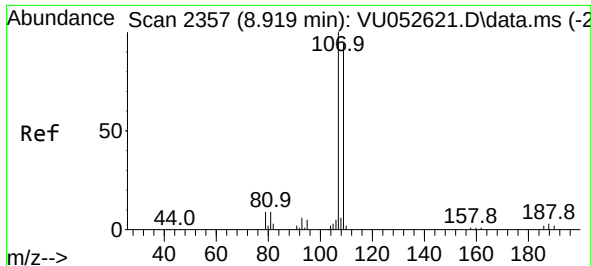
Tgt Ion: 43 Resp: 372442
Ion Ratio Lower Upper
43 100
58 56.5 42.6 63.8
57 18.4 14.2 21.4
100 10.3 8.3 12.5



#49
Dibromochloromethane
Concen: 51.428 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 129 Resp: 152230
Ion Ratio Lower Upper
129 100
127 76.4 54.5 101.3





#50

1,2-Dibromoethane

Concen: 50.170 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

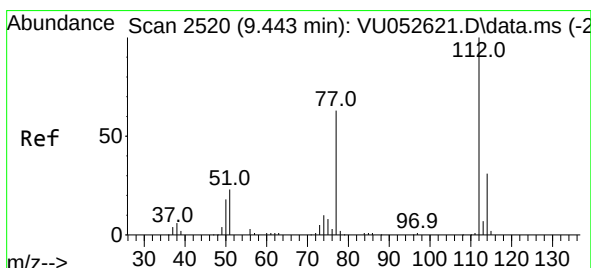
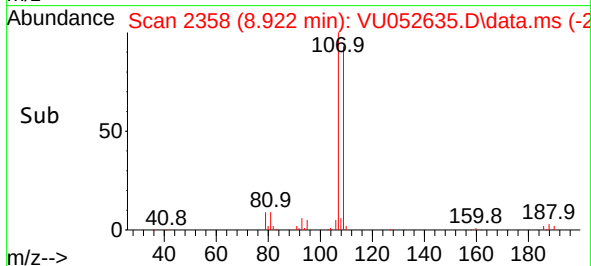
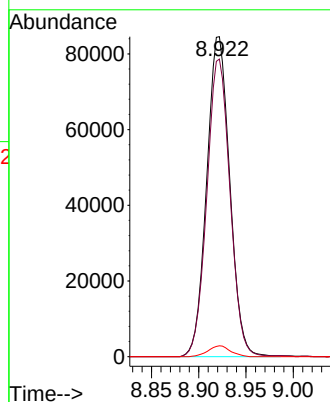
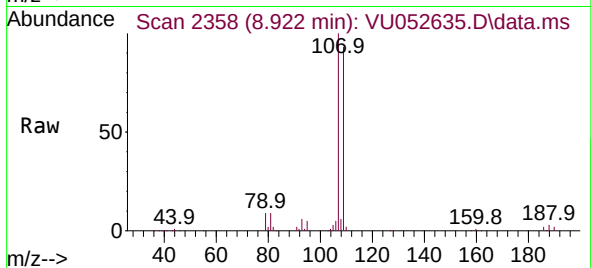
Tgt Ion:107 Resp: 143694

Ion Ratio Lower Upper

107 100

109 93.0 65.9 122.5

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 50.253 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

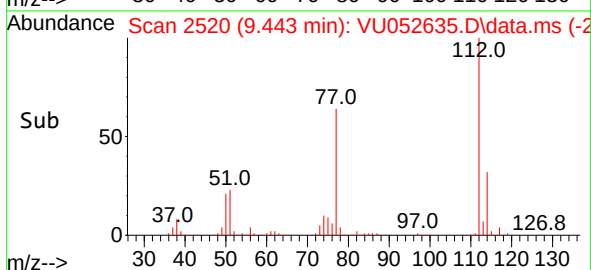
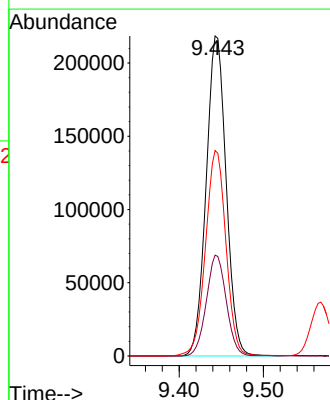
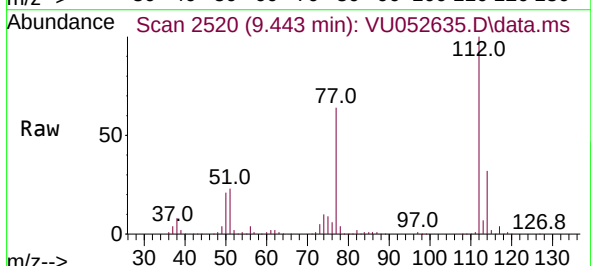
Tgt Ion:112 Resp: 360493

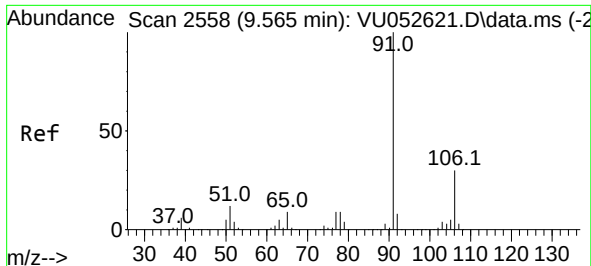
Ion Ratio Lower Upper

112 100

114 31.5 21.6 40.0

77 64.2 50.8 76.2

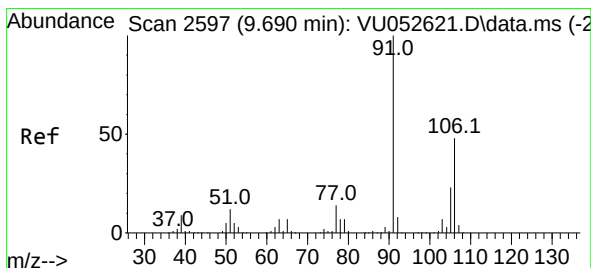
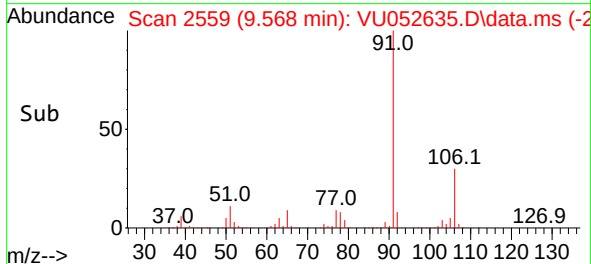
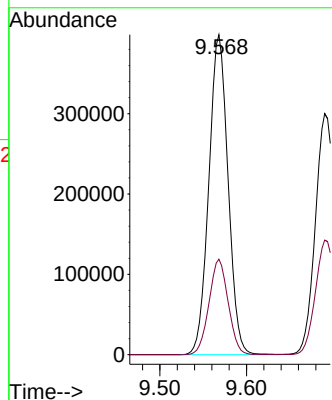
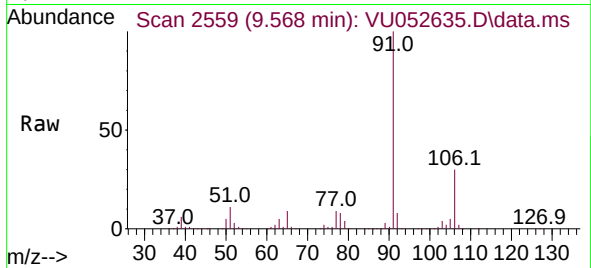




#52
Ethylbenzene
Concen: 52.448 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

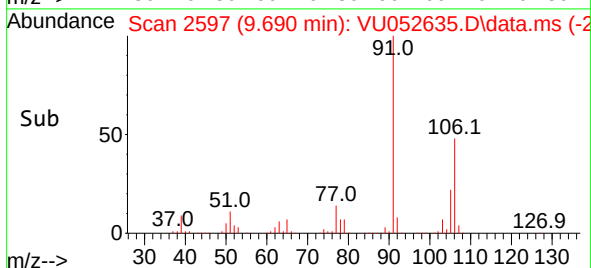
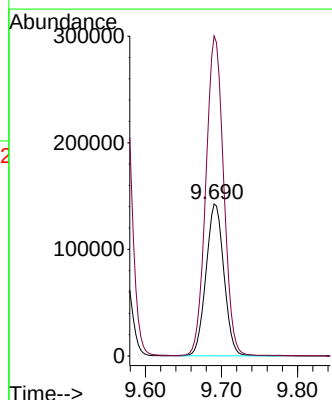
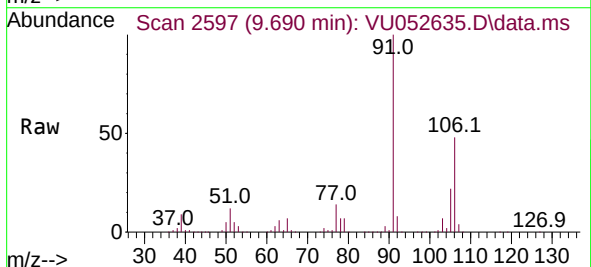
Instrument :
MSVOA_U
ClientSampleId :

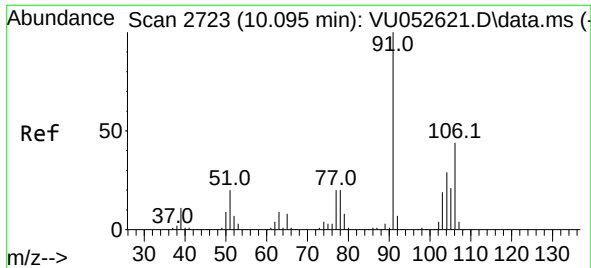
Tgt Ion: 91 Resp: 613294
Ion Ratio Lower Upper
91 100
106 29.9 20.7 38.5



#53
m,p-Xylene
Concen: 53.379 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 106 Resp: 233116
Ion Ratio Lower Upper
106 100
91 210.5 144.6 268.6

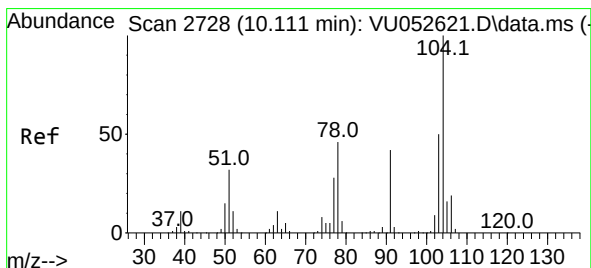
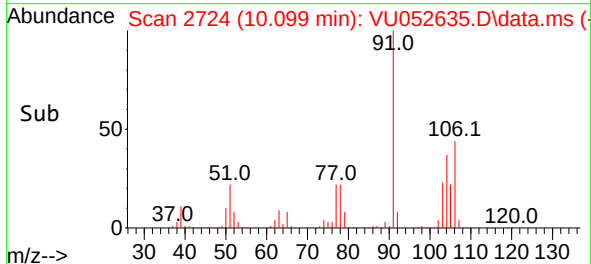
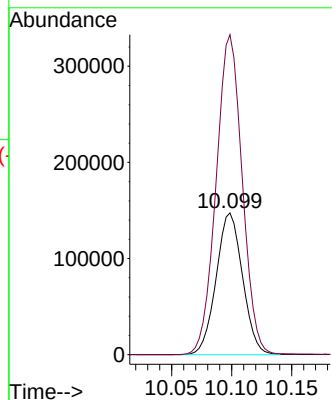
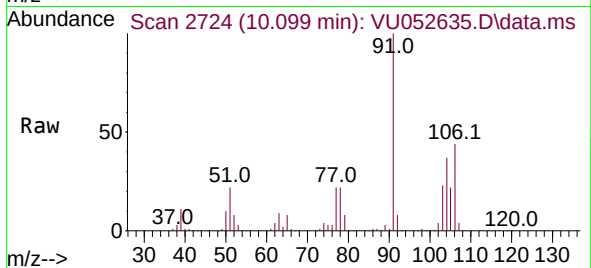




#54
o-xylene
Concen: 53.800 ug/L
RT: 10.099 min Scan# 2723
Delta R.T. 0.004 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

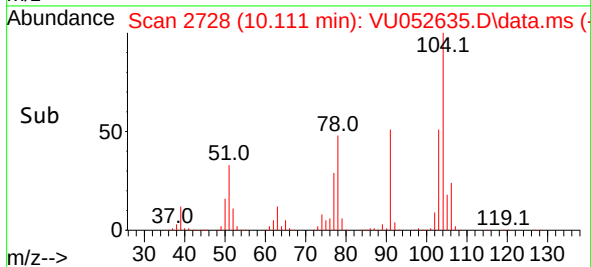
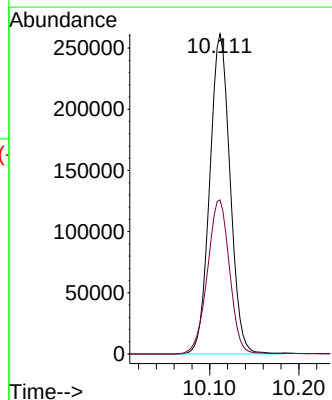
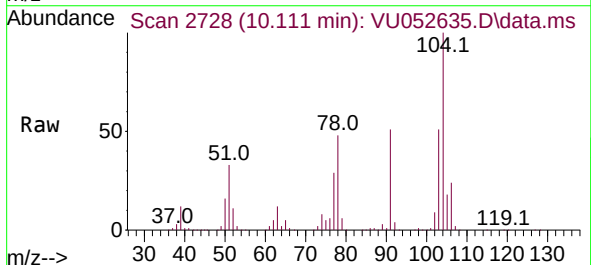
Instrument :
MSVOA_U
ClientSampleId :

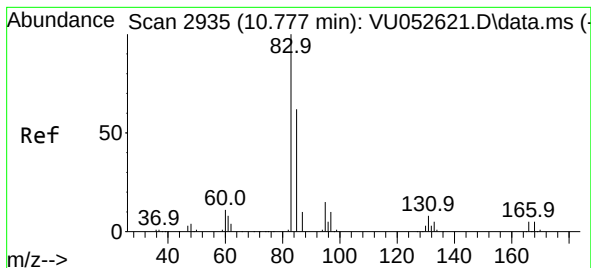
Tgt Ion:106 Resp: 225470
Ion Ratio Lower Upper
106 100
91 225.8 158.3 294.1



#55
Styrene
Concen: 55.571 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion:104 Resp: 414948
Ion Ratio Lower Upper
104 100
78 48.2 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 45.352 ug/L

RT: 10.780 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

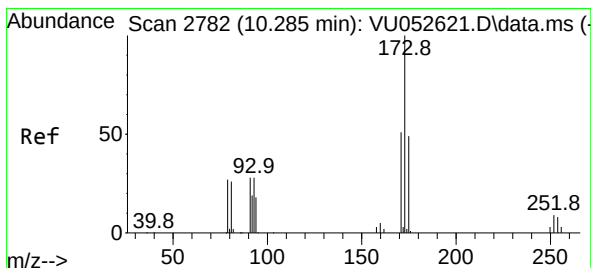
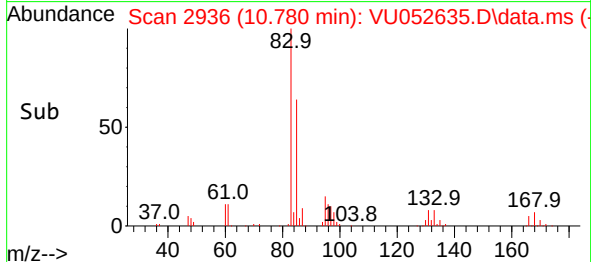
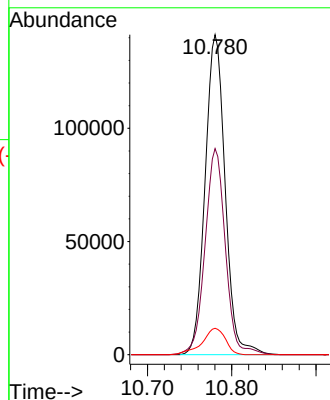
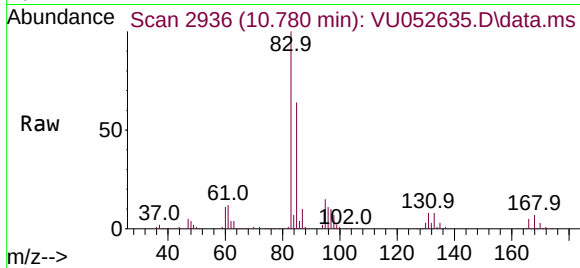
Tgt Ion: 83 Resp: 234099

Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.6

131 8.2 7.0 10.4



#59

Bromoform

Concen: 54.204 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

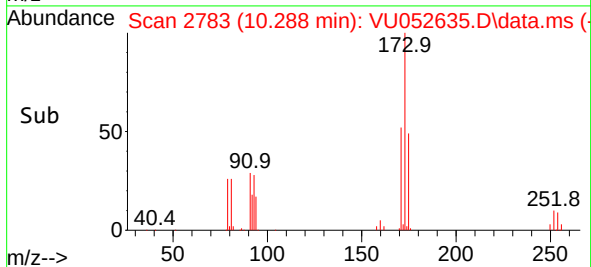
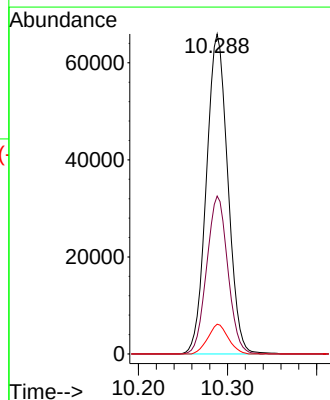
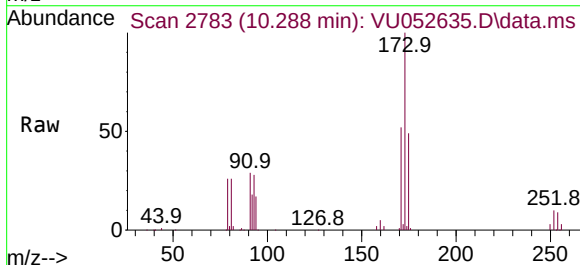
Tgt Ion:173 Resp: 109833

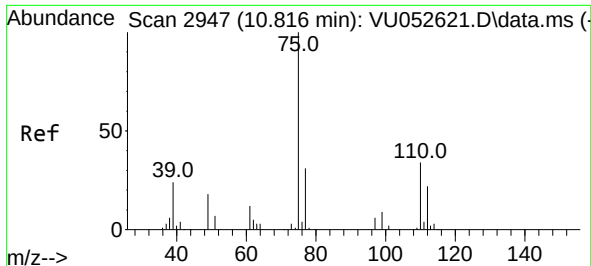
Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

254 8.8 7.0 10.6

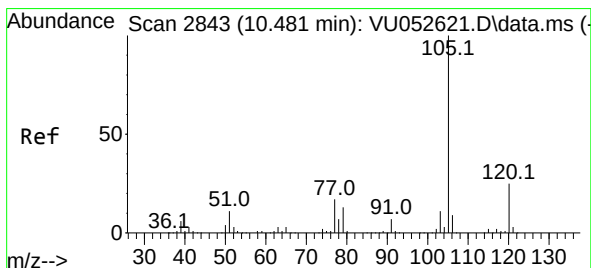
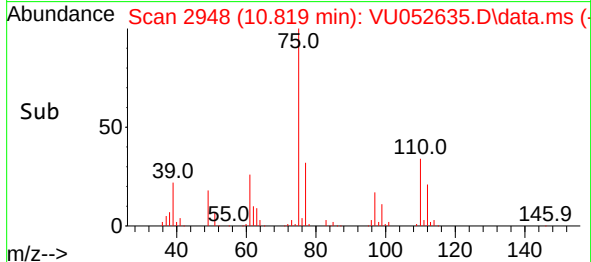
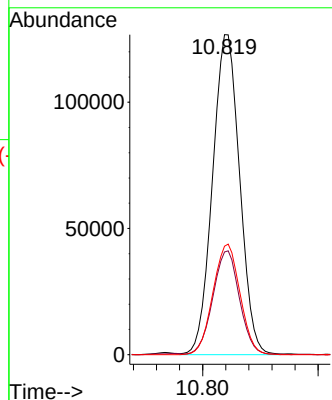
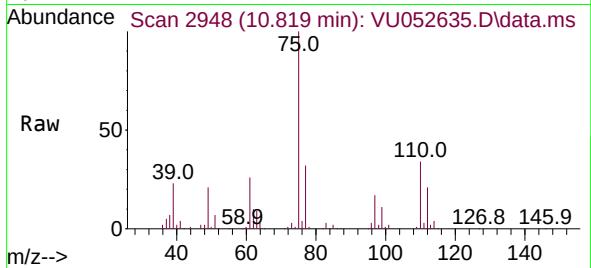




#60
1,2,3-Trichloropropane
Concen: 51.092 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

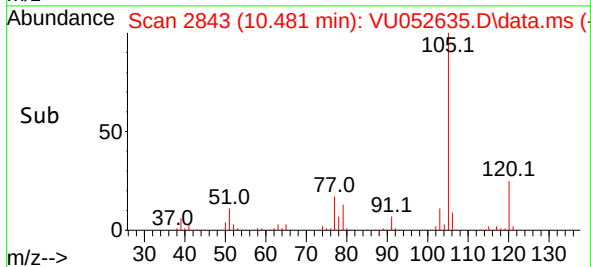
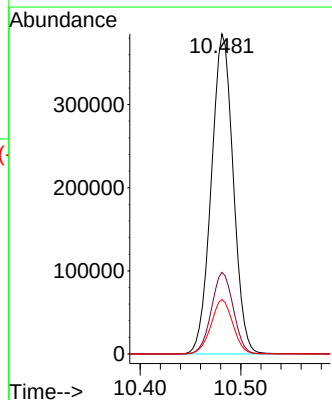
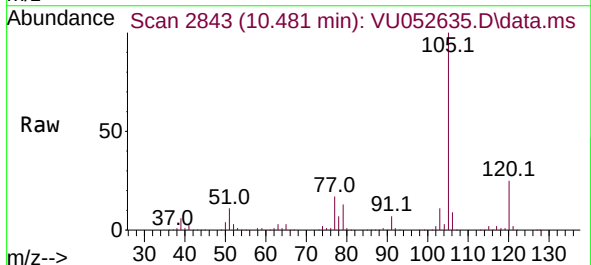
Instrument :
MSVOA_U
ClientSampleId :

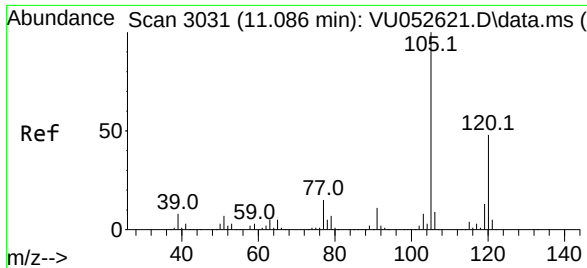
Tgt Ion: 75 Resp: 206742
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
110 34.4 27.3 40.9



#61
Isopropylbenzene
Concen: 54.232 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion: 105 Resp: 583405
Ion Ratio Lower Upper
105 100
120 25.5 19.8 29.8
77 16.9 13.8 20.6

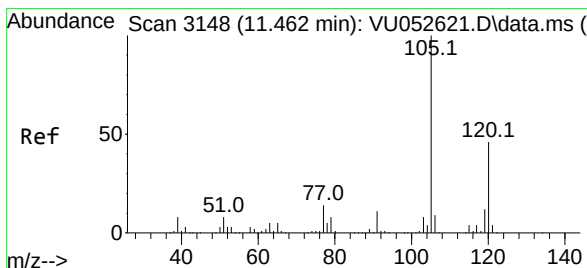
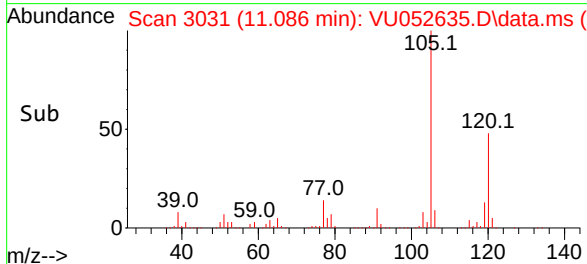
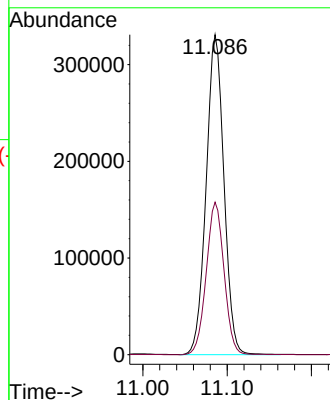
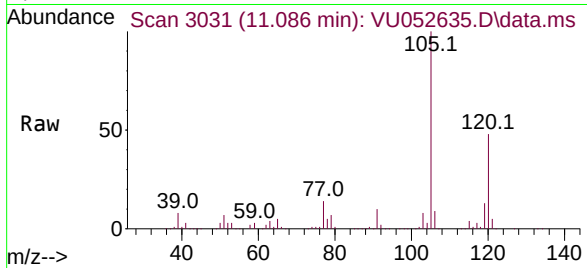




#62
1,3,5-Trimethylbenzene
Concen: 55.440 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

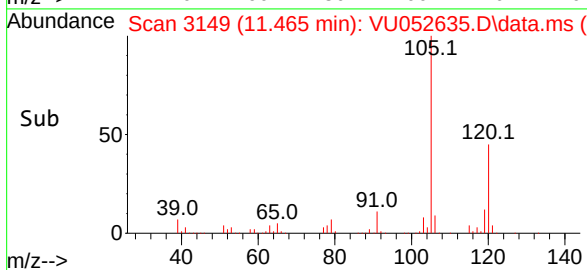
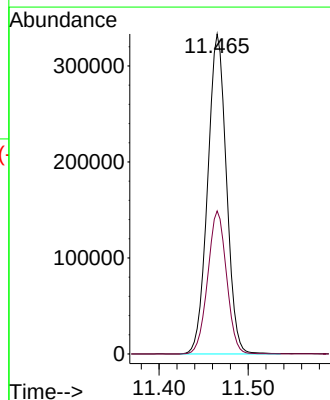
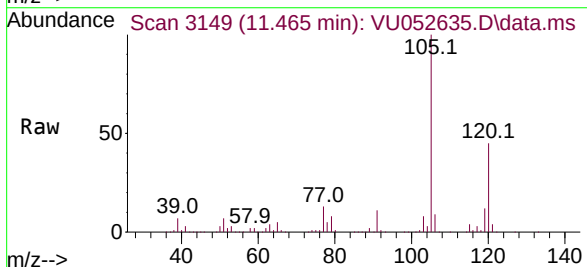
Instrument :
MSVOA_U
ClientSampleId :

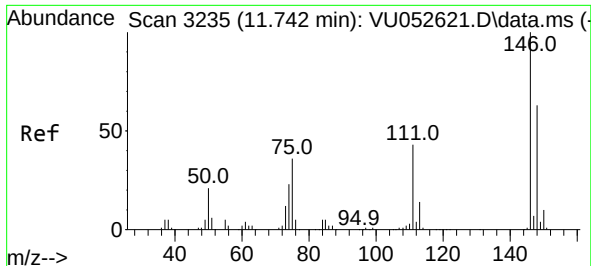
Tgt Ion:105 Resp: 486305
Ion Ratio Lower Upper
105 100
120 47.7 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 56.180 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion:105 Resp: 487026
Ion Ratio Lower Upper
105 100
120 44.7 36.1 54.1

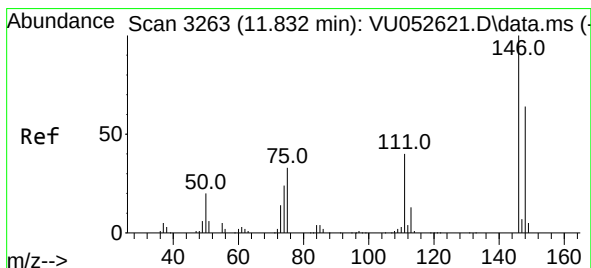
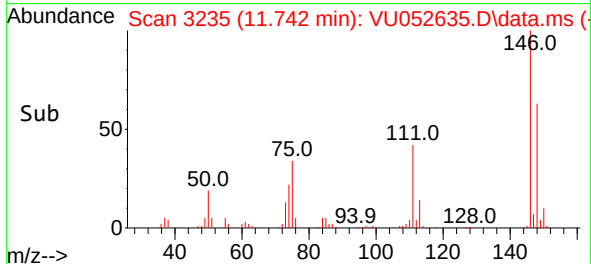
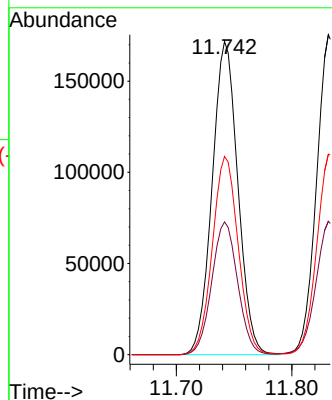
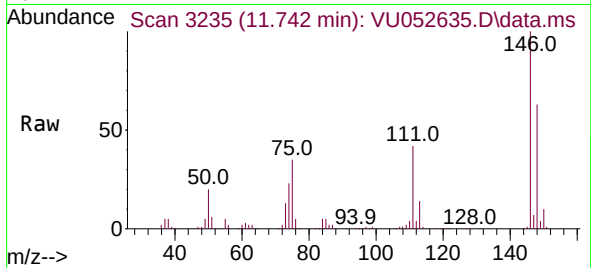




#64
1,3-Dichlorobenzene
Concen: 51.309 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

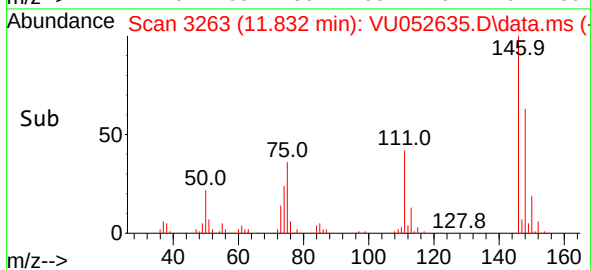
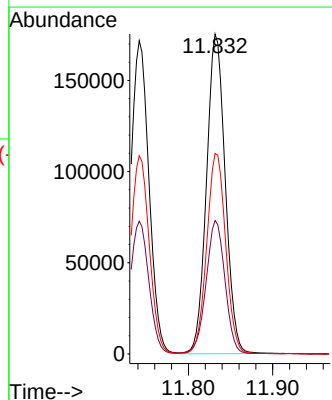
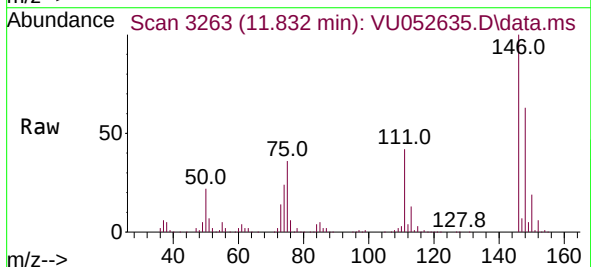
Instrument :
MSVOA_U
ClientSampleId :

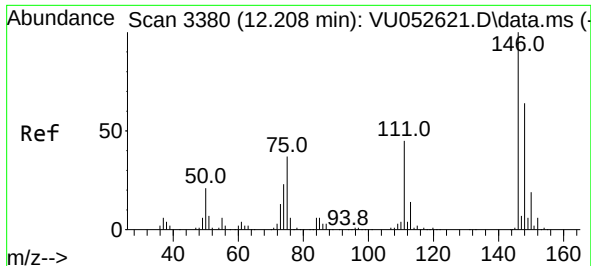
Tgt Ion:146 Resp: 265741
Ion Ratio Lower Upper
146 100
111 42.4 29.8 55.3
148 63.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 49.592 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion:146 Resp: 270619
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 62.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 51.898 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

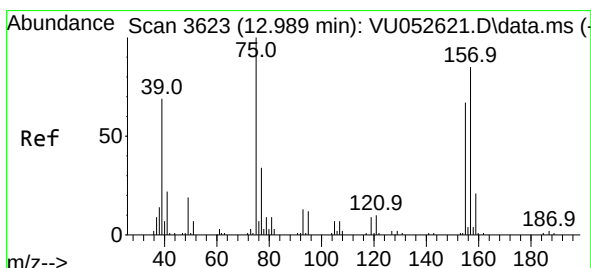
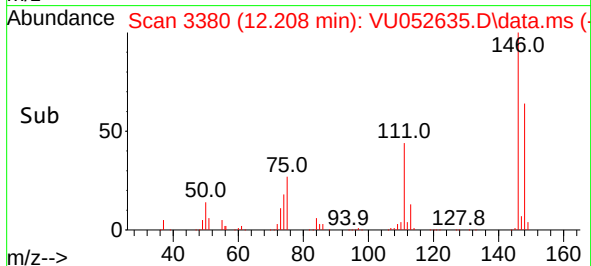
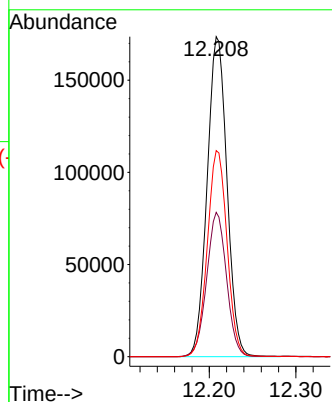
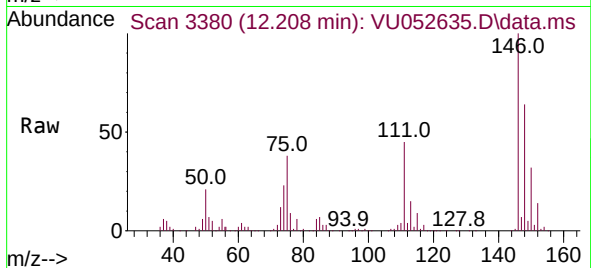
Tgt Ion:146 Resp: 276250

Ion Ratio Lower Upper

146 100

111 45.1 35.7 53.5

148 64.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 47.439 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

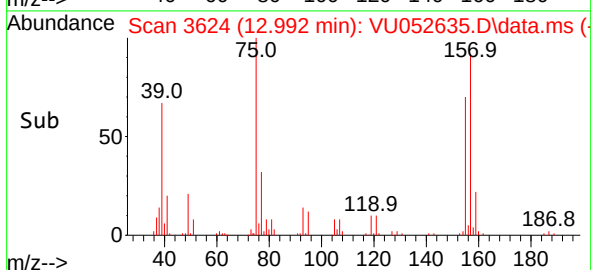
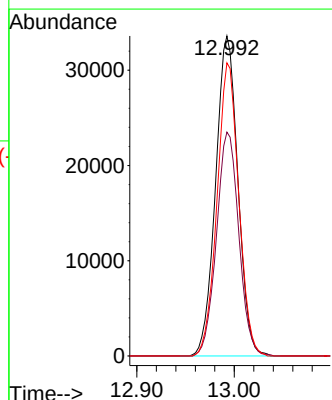
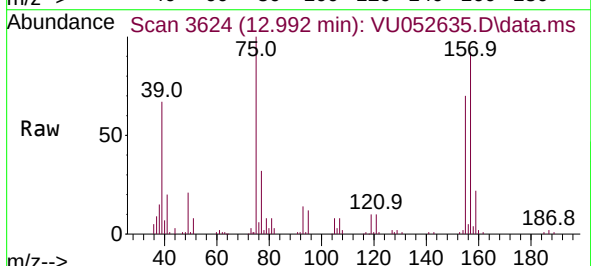
Tgt Ion: 75 Resp: 53330

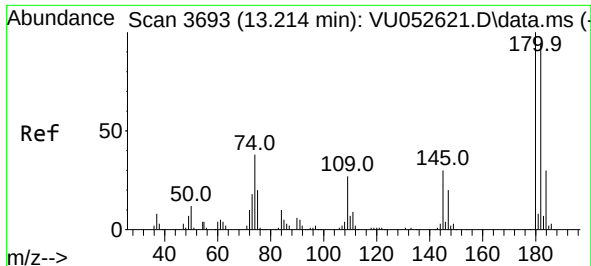
Ion Ratio Lower Upper

75 100

155 70.0 53.5 80.3

157 91.6 68.4 102.6





#69

1,3,5-Trichlorobenzene

Concen: 47.247 ug/L

RT: 13.214 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 172803

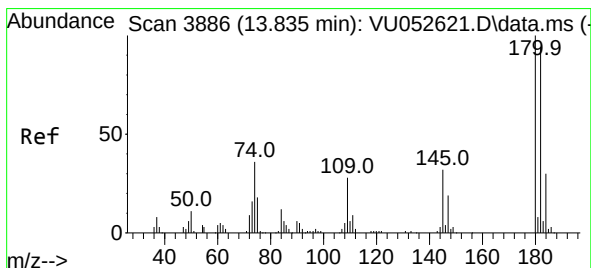
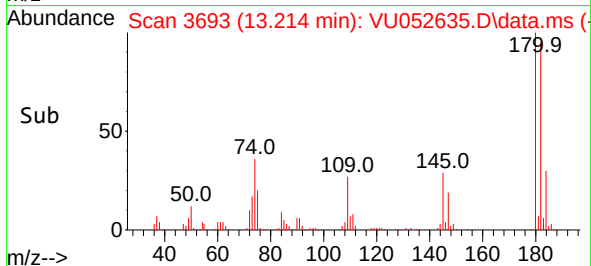
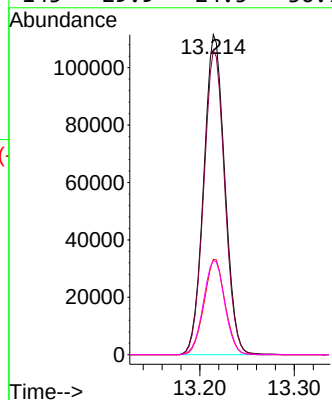
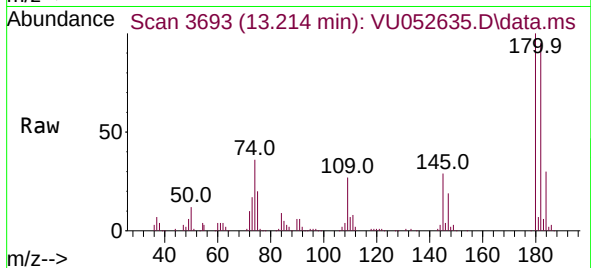
Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

184 29.6 23.8 35.8

145 29.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 45.362 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052635.D

Acq: 09 Jan 2023 10:13

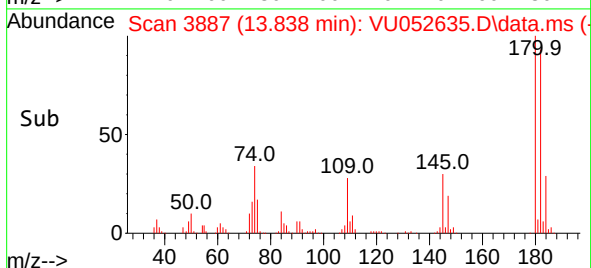
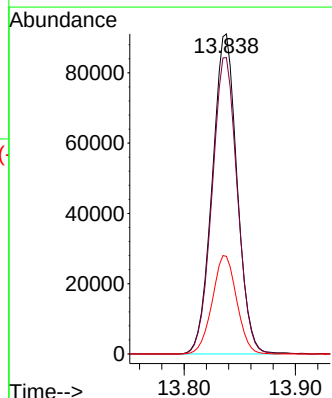
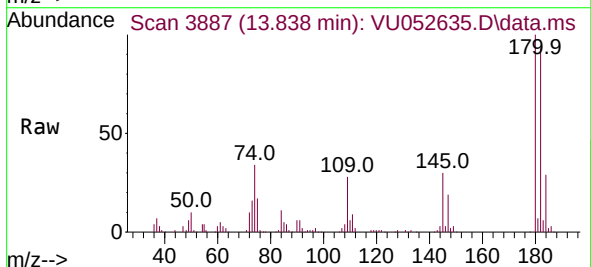
Tgt Ion:180 Resp: 141155

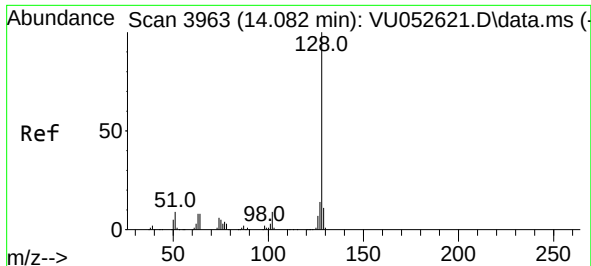
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

145 30.2 25.0 37.6

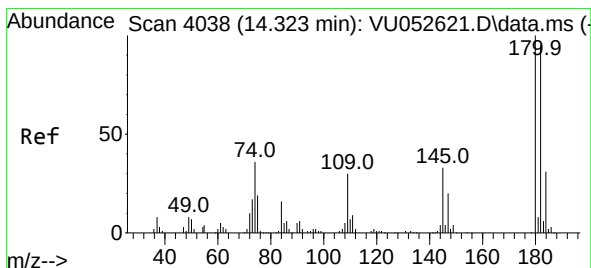
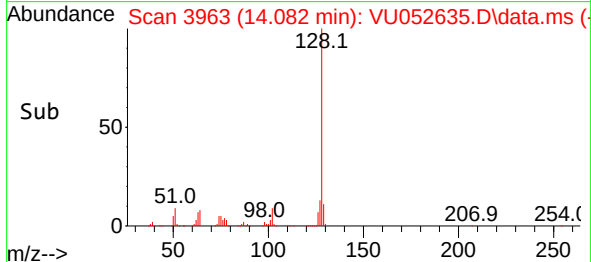
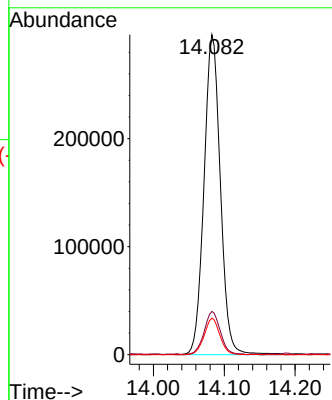
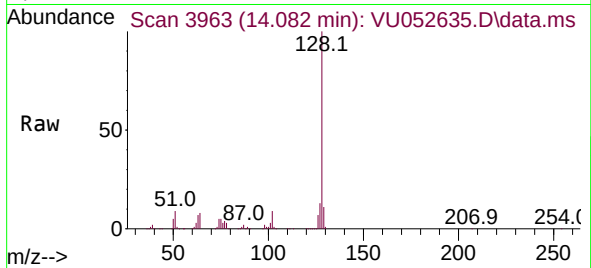




#71
Naphthalene
Concen: 49.373 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 474876
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 47.881 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.004 min
Lab File: VU052635.D
Acq: 09 Jan 2023 10:13

Tgt Ion:180 Resp: 153073
Ion Ratio Lower Upper
180 100
182 95.1 76.4 114.6
145 33.2 27.0 40.4

