

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052815.D
 Acq On : 26 Jan 2023 13:26
 Operator : JC/MD
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:14:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	295184	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	281838	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	174200	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	415497	131.857	ug/L	0.00
7) Chloroethane-d5	1.912	69	342213	137.652	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	830213	154.997	ug/L	0.00
21) 2-Butanone-d5	4.623	46	545178	275.419	ug/L	0.00
24) Chloroform-d	5.060	84	872924	167.921	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	557759	164.257	ug/L	0.00
32) Benzene-d6	5.726	84	1760206	181.557	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	514262	155.285	ug/L	0.00
41) Toluene-d8	7.896	98	1653307	198.748	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	280203	190.188	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	434389	372.009	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	757437	170.519	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	700477	204.233	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	509795	191.069	ug/L	99
3) Chloromethane	1.517	50	405196	119.709	ug/L	99
5) Vinyl chloride	1.604	62	471702	146.034	ug/L	98
6) Bromomethane	1.858	94	307578	190.557	ug/L	97
8) Chloroethane	1.932	64	288168	138.958	ug/L	96
9) Trichlorofluoromethane	2.138	101	768724	195.452	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	435721	186.949	ug/L	99
12) 1,1-Dichloroethene	2.578	96	413271	191.686	ug/L	97
13) Acetone	2.639	43	509977	244.274	ug/L	99
14) Carbon disulfide	2.790	76	1212520	184.115	ug/L	99
15) Methyl Acetate	2.948	43	395237	124.053	ug/L	98
16) Methylene chloride	3.041	84	461814	164.033	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	440554	194.583	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	1377221	191.072	ug/L	99
19) 1,1-Dichloroethane	3.864	63	772163	154.990	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	495877	197.165	ug/L	99
22) 2-Butanone	4.703	43	647251	268.000	ug/L	98
23) Bromochloromethane	4.970	128	261098	200.364	ug/L	97
25) Chloroform	5.083	83	859561	177.878	ug/L	99
27) 1,2-Dichloroethane	5.790	62	674005	169.575	ug/L	100
29) Cyclohexane	5.385	56	707295	187.286	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	771876	202.319	ug/L	100
31) Carbon tetrachloride	5.523	117	697939	217.973	ug/L	100
33) Benzene	5.771	78	1831680	181.792	ug/L	100
34) Trichloroethene	6.539	95	471055	200.784	ug/L	95
35) Methylcyclohexane	6.761	83	814657	219.286	ug/L	98
37) 1,2-Dichloropropane	6.787	63	441694	153.229	ug/L	99
38) Bromodichloromethane	7.102	83	658577	184.482	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	781403	199.509	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	1162277	309.243	ug/L	99
42) Toluene	7.967	91	1977686	201.176	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	760638	201.355	ug/L	100

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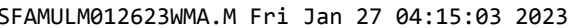
Instrument :
 MSVOA_U
 ClientSampleId :

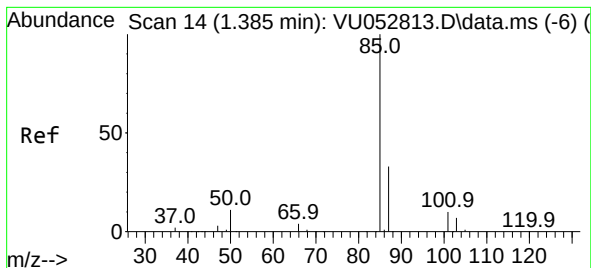
Quant Time: Jan 27 04:14:53 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	459796	186.920	ug/L	98
46) Tetrachloroethene	8.549	164	411365	242.699	ug/L	99
48) 2-Hexanone	8.684	43	948121	305.779	ug/L	97
49) Dibromochloromethane	8.806	129	560805	213.041	ug/L	97
50) 1,2-Dibromoethane	8.919	107	508245	202.153	ug/L	99
51) Chlorobenzene	9.443	112	1324159	209.455	ug/L	99
52) Ethylbenzene	9.568	91	2233785	217.863	ug/L	100
53) m,p-Xylene	9.690	106	906765	233.320	ug/L	99
54) o-xylene	10.099	106	873080	233.301	ug/L	94
55) Styrene	10.111	104	1510720	229.672	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	747844	170.641	ug/L	99
59) Bromoform	10.288	173	441904	211.604	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	596395	153.049	ug/L	99
61) Isopropylbenzene	10.481	105	2298630	212.777	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	2040208	230.043	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	2002886	229.338	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	1103057	212.097	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1108522	202.606	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	1100306	205.298	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	183370	168.340	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	861665	232.309	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	772980	246.671	ug/L	98
71) Naphthalene	14.082	128	2291980	239.598	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	772853	239.112	ug/L	98

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

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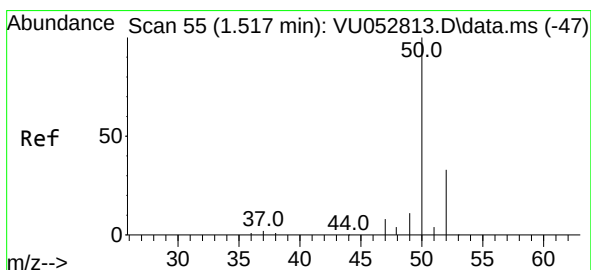
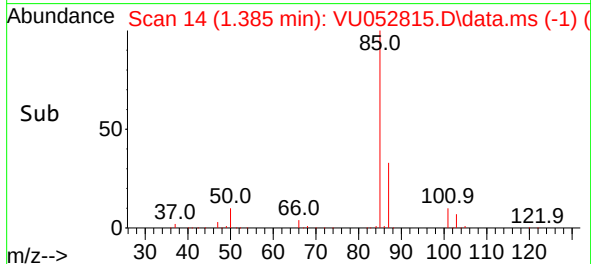
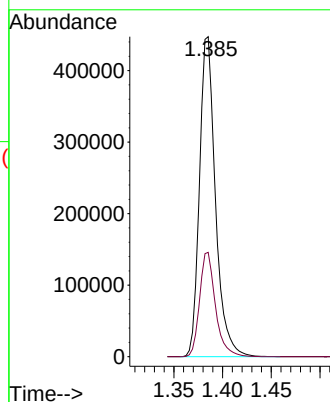
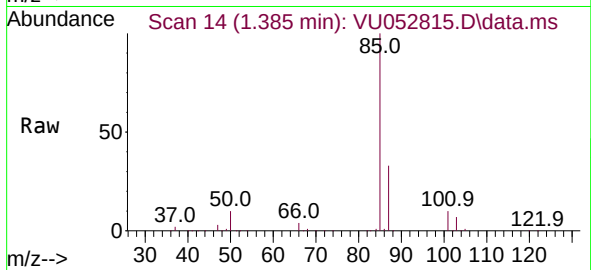




#2
Dichlorodifluoromethane
Concen: 191.069 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

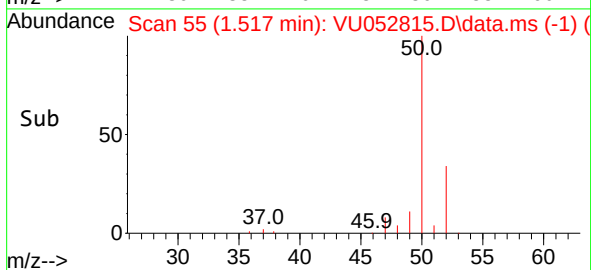
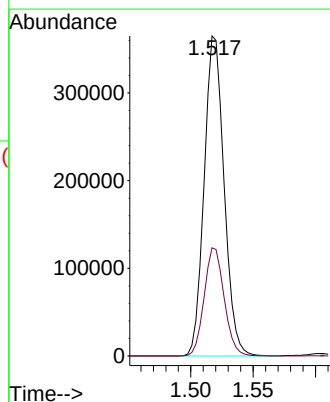
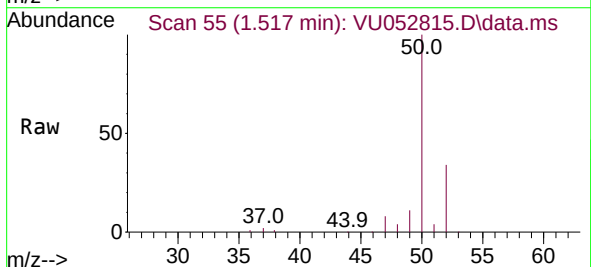
Instrument :
MSVOA_U
ClientSampleId :

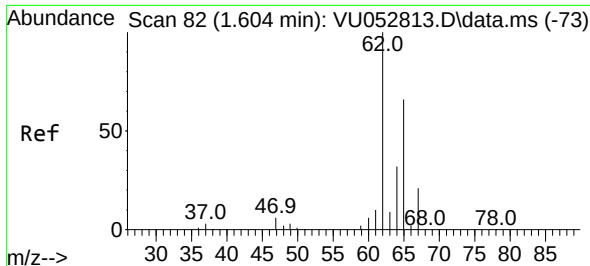
Tgt Ion: 85 Resp: 509795
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 119.709 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion: 50 Resp: 405196
Ion Ratio Lower Upper
50 100
52 33.8 23.4 43.4

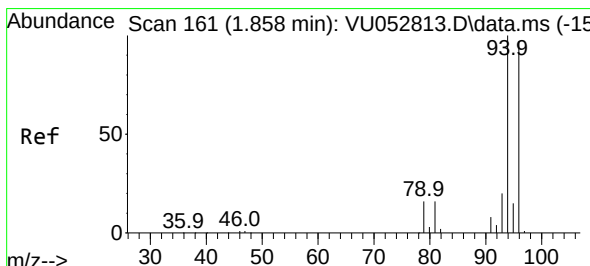
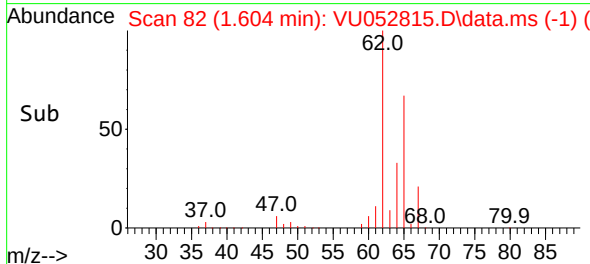
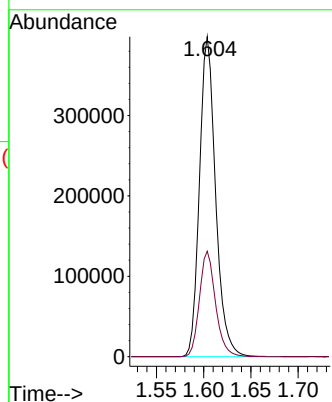
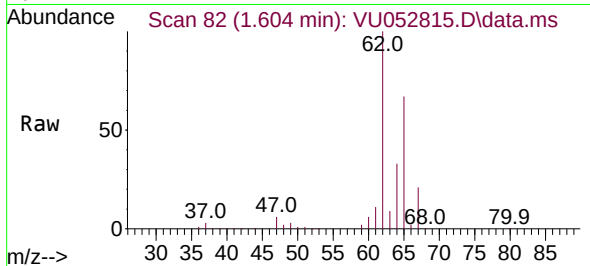




#5
 Vinyl chloride
 Concen: 146.034 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052815.D
 Acq: 26 Jan 2023 13:26

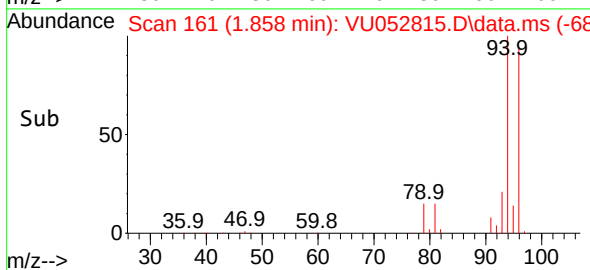
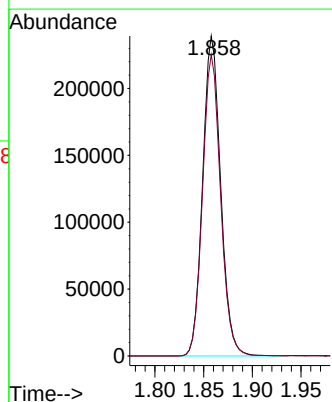
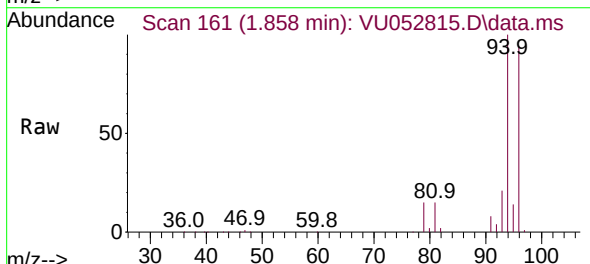
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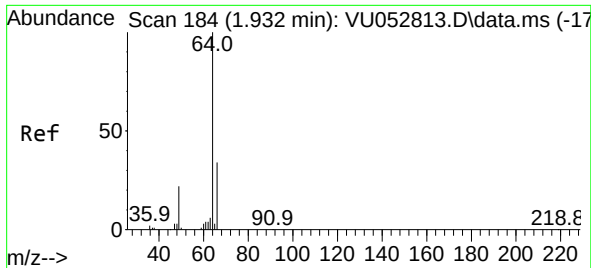
Tgt Ion: 62 Resp: 471702
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6



#6
 Bromomethane
 Concen: 190.557 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052815.D
 Acq: 26 Jan 2023 13:26

Tgt Ion: 94 Resp: 307578
 Ion Ratio Lower Upper
 94 100
 96 94.2 67.8 125.8

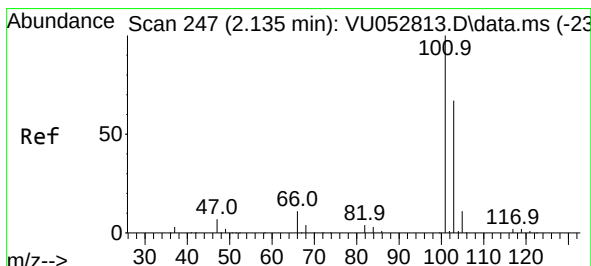
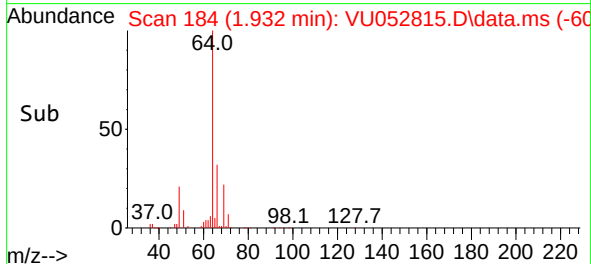
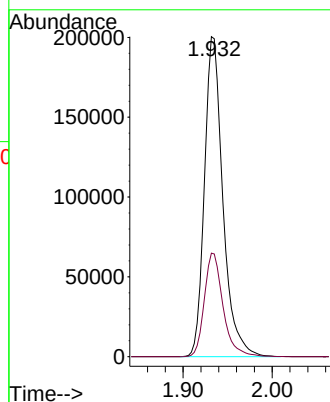
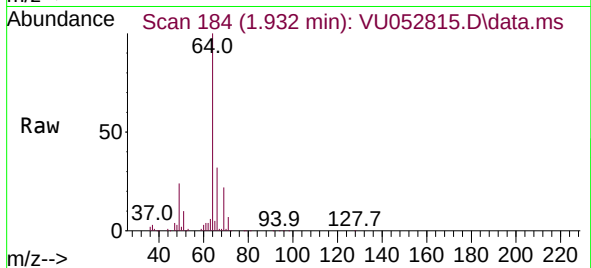




#8
Chloroethane
Concen: 138.958 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

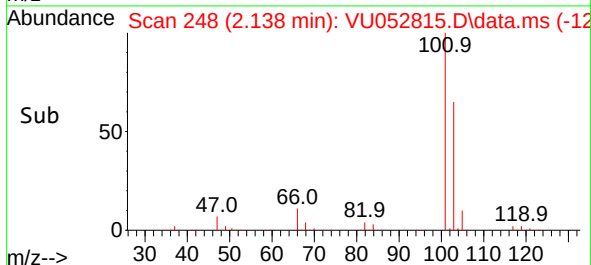
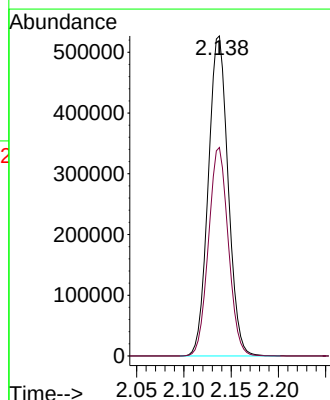
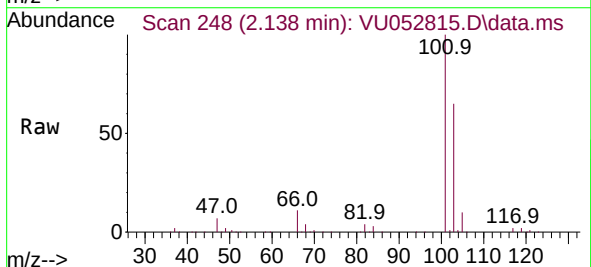
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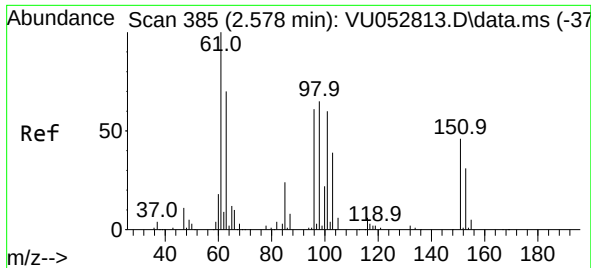
Tgt Ion: 64 Resp: 288168
Ion Ratio Lower Upper
64 100
66 32.4 24.1 44.7



#9
Trichlorofluoromethane
Concen: 195.452 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion:101 Resp: 768724
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

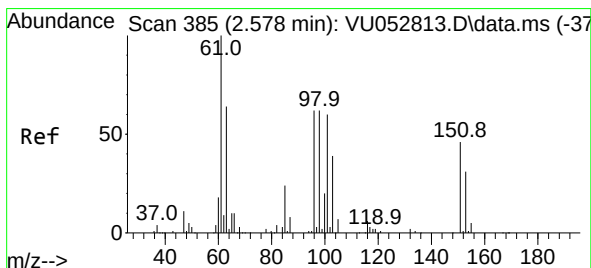
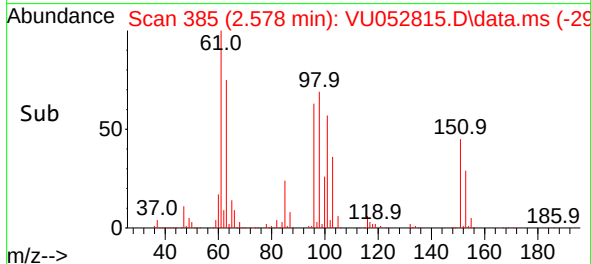
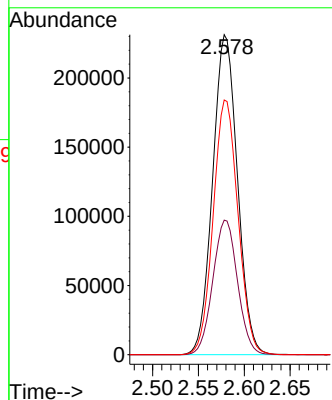
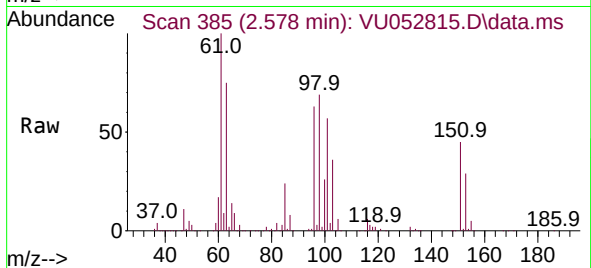




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 186.949 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052815.D
 Acq: 26 Jan 2023 13:26

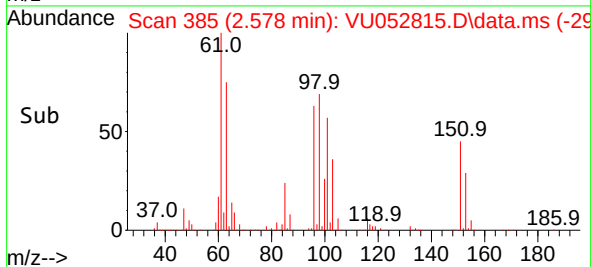
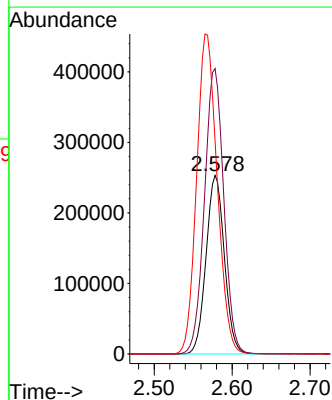
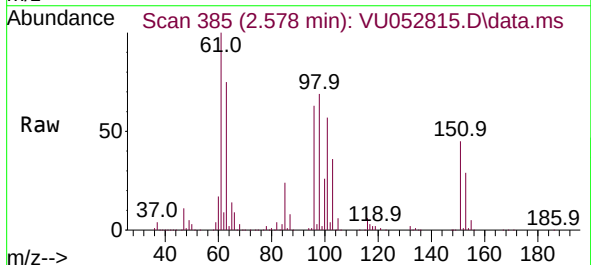
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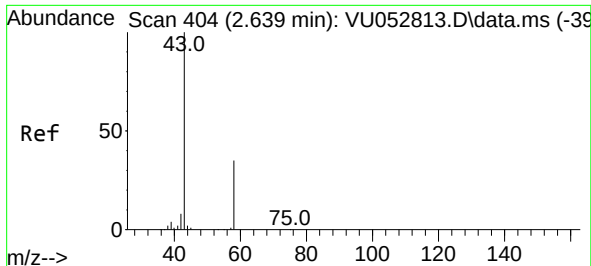
Tgt Ion:101 Resp: 435721
 Ion Ratio Lower Upper
 101 100
 85 41.8 32.9 49.3
 151 79.6 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 191.686 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052815.D
 Acq: 26 Jan 2023 13:26

Tgt Ion: 96 Resp: 413271
 Ion Ratio Lower Upper
 96 100
 61 159.9 114.3 212.3
 63 119.5 80.6 149.6





#13

Acetone

Concen: 244.274 ug/L

RT: 2.639 min Scan# 404

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

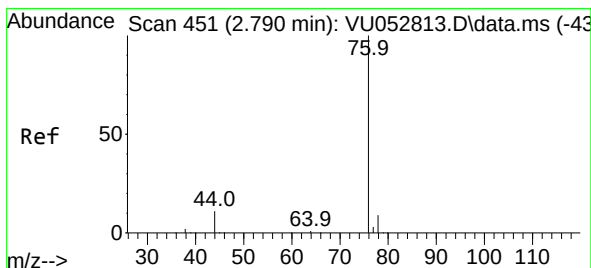
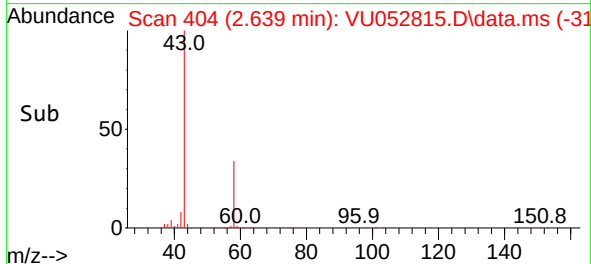
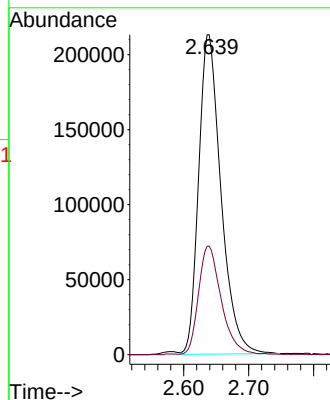
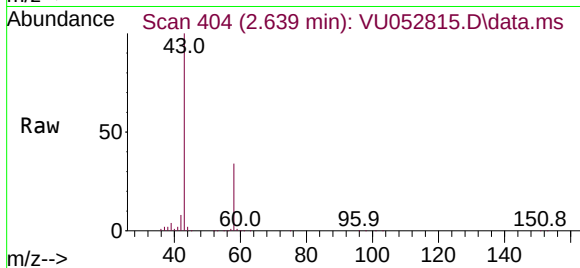
ClientSampleId :

Tgt Ion: 43 Resp: 509977

Ion Ratio Lower Upper

43 100

58 34.5 0.0 70.2



#14

Carbon disulfide

Concen: 184.115 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052815.D

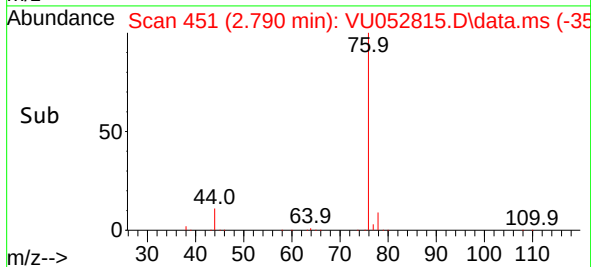
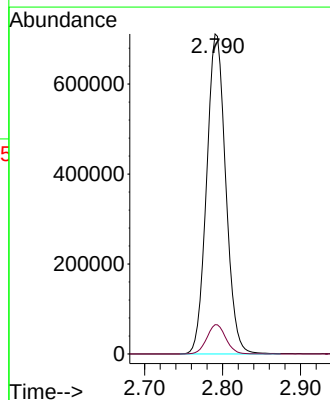
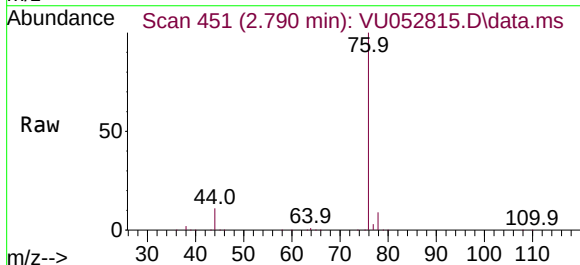
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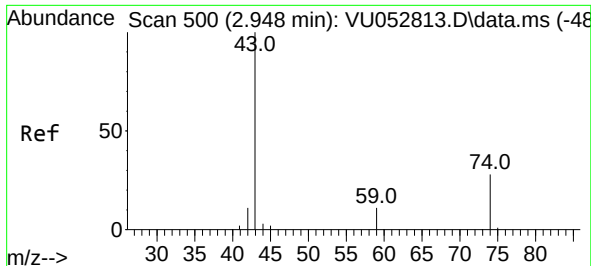
Tgt Ion: 76 Resp: 1212520

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

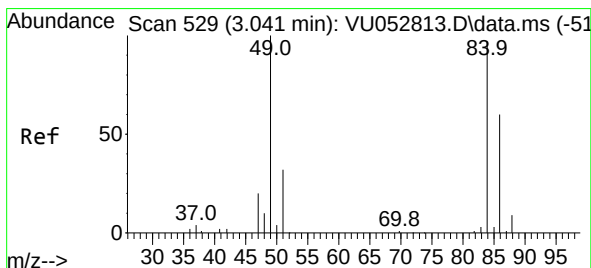
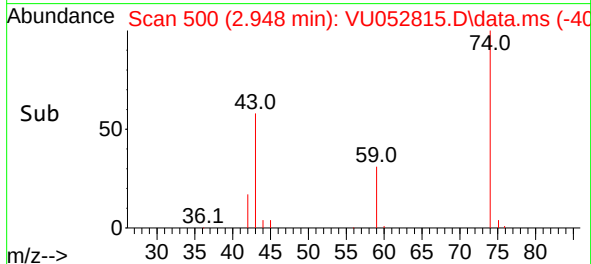
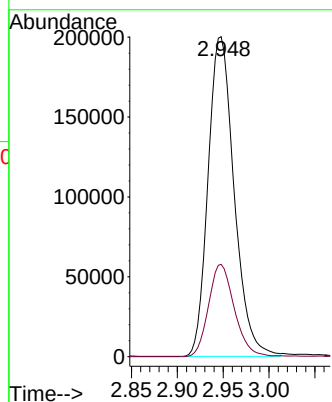
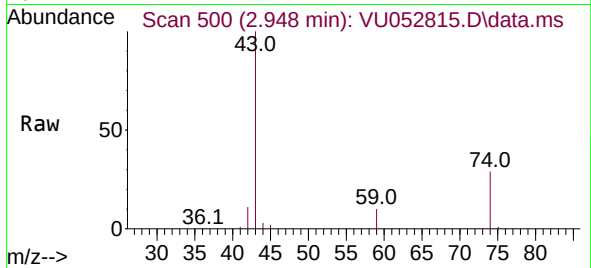




#15
Methyl Acetate
Concen: 124.053 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU052815.D
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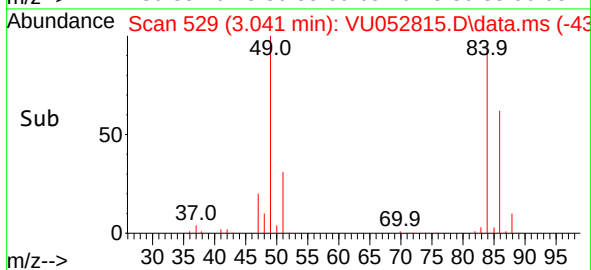
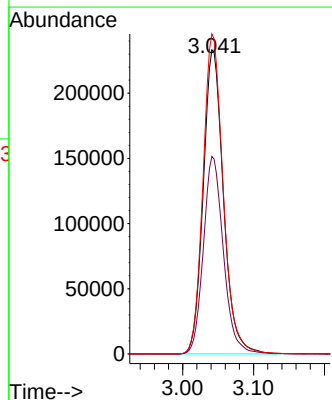
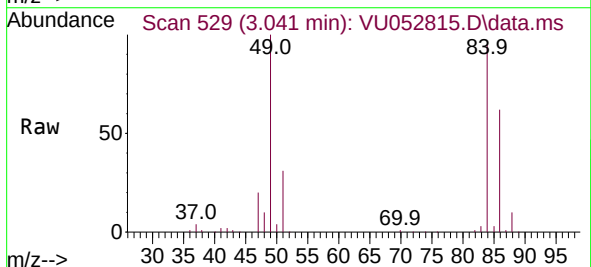
Instrument :
MSVOA_U
ClientSampleId :

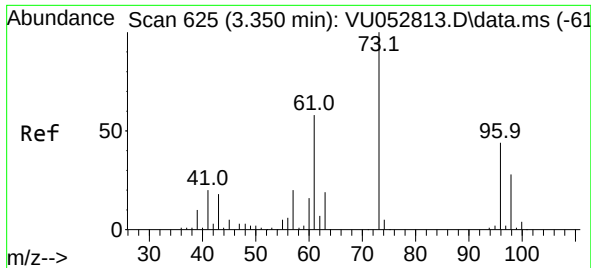
Tgt Ion: 43 Resp: 395237
Ion Ratio Lower Upper
43 100
74 28.7 22.0 33.0



#16
Methylene chloride
Concen: 164.033 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion: 84 Resp: 461814
Ion Ratio Lower Upper
84 100
86 64.9 43.4 80.6
49 105.2 72.4 134.5

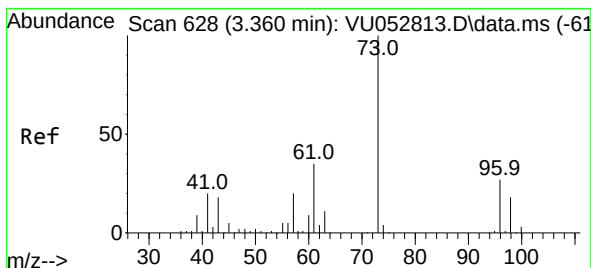
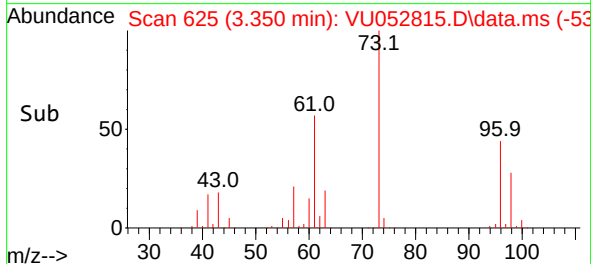
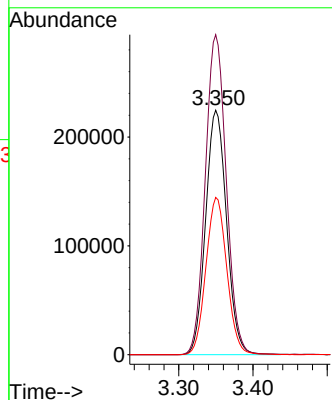
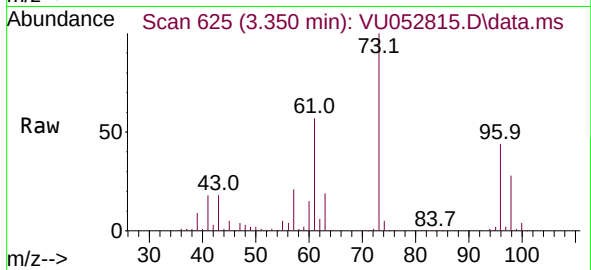




#17
trans-1,2-Dichloroethene
Concen: 194.583 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

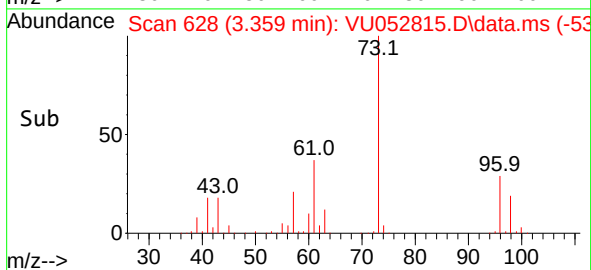
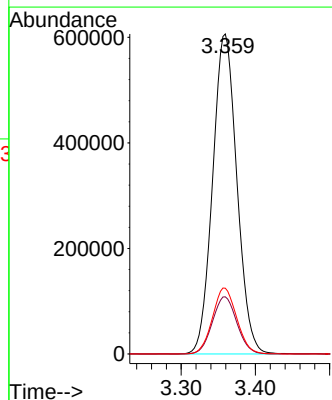
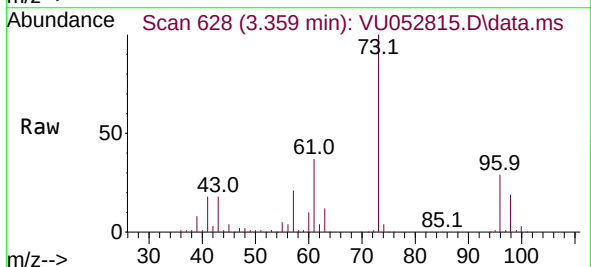
Instrument :
MSVOA_U
ClientSampleId :

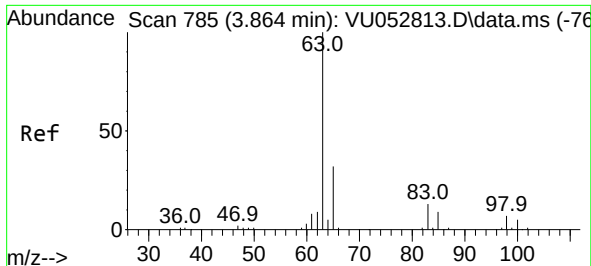
Tgt Ion: 96 Resp: 440554
Ion Ratio Lower Upper
96 100
61 130.8 92.7 172.3
98 64.3 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 191.072 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion: 73 Resp: 1377221
Ion Ratio Lower Upper
73 100
43 18.0 14.2 21.2
57 20.6 16.3 24.5





#19

1,1-Dichloroethane

Concen: 154.990 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :

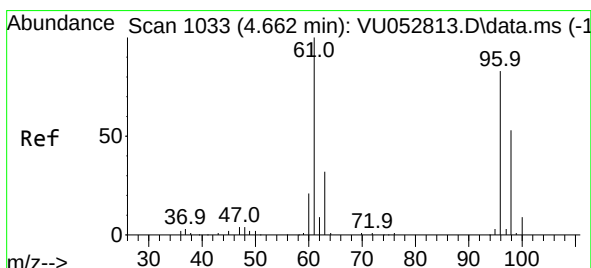
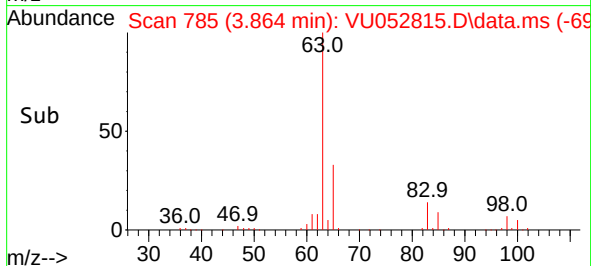
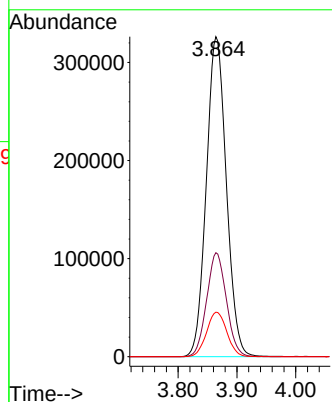
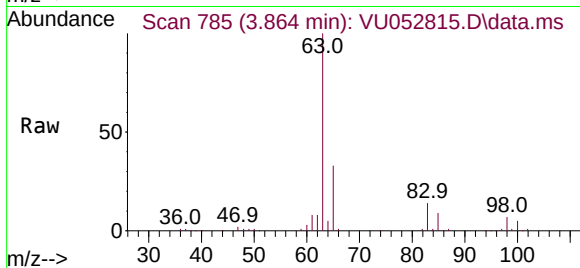
Tgt Ion: 63 Resp: 772163

Ion Ratio Lower Upper

63 100

65 32.5 22.4 41.6

83 13.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 197.165 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

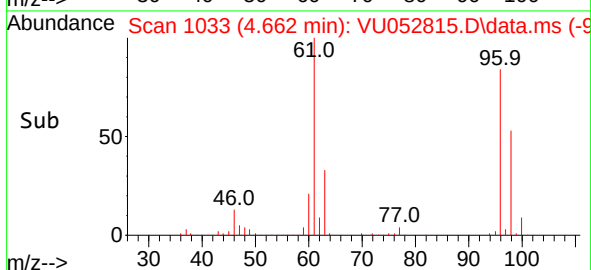
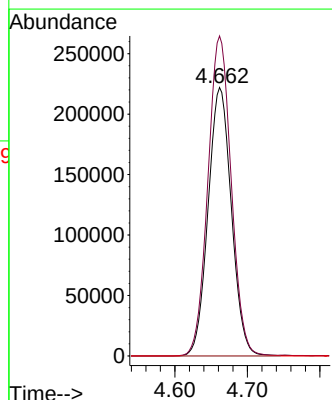
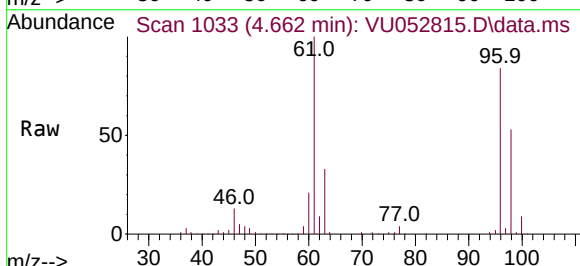
Tgt Ion: 96 Resp: 495877

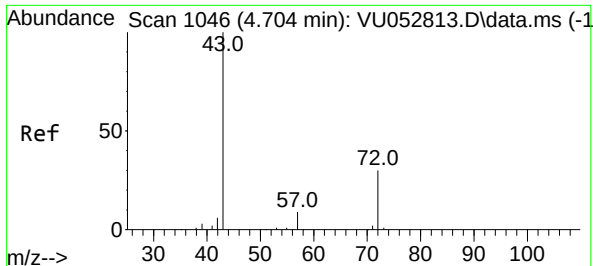
Ion Ratio Lower Upper

96 100

61 119.2 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 268.000 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

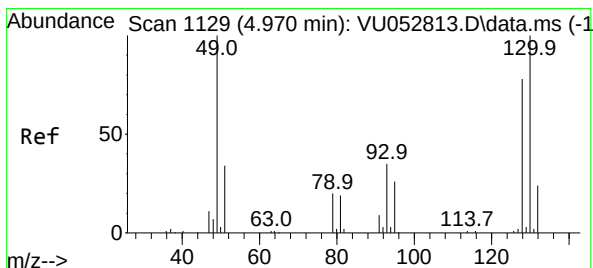
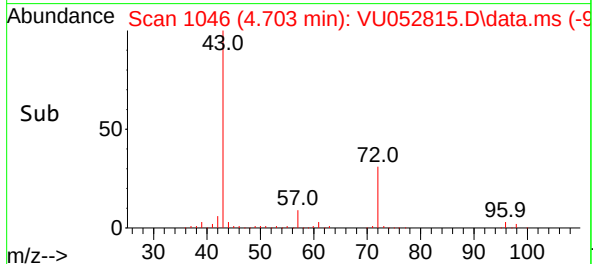
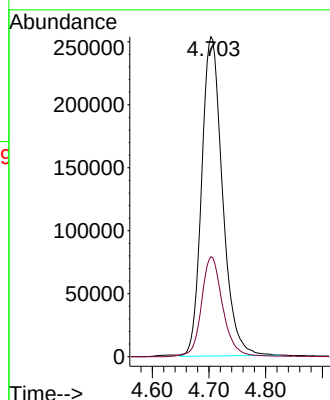
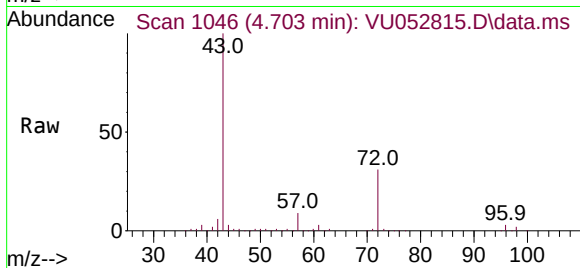
ClientSampleId :

Tgt Ion: 43 Resp: 647251

Ion Ratio Lower Upper

43 100

72 32.0 15.5 46.5



#23

Bromochloromethane

Concen: 200.364 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Tgt Ion:128 Resp: 261098

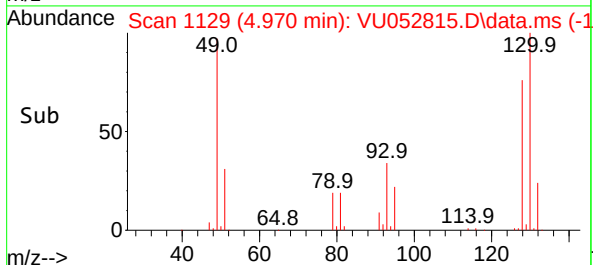
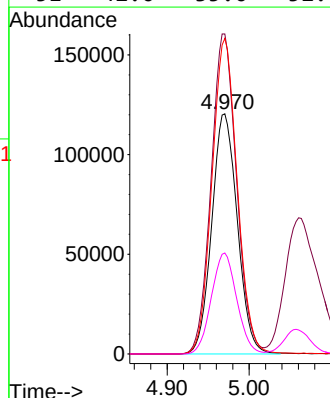
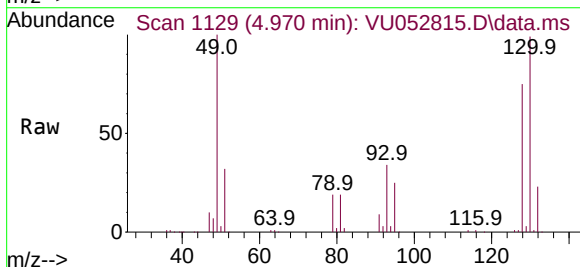
Ion Ratio Lower Upper

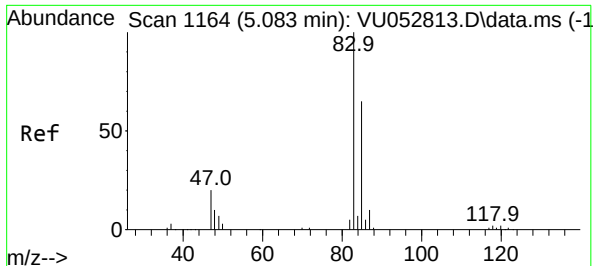
128 100

49 133.2 90.1 167.3

130 131.4 90.1 167.3

51 42.0 35.0 52.6





#25

Chloroform

Concen: 177.878 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

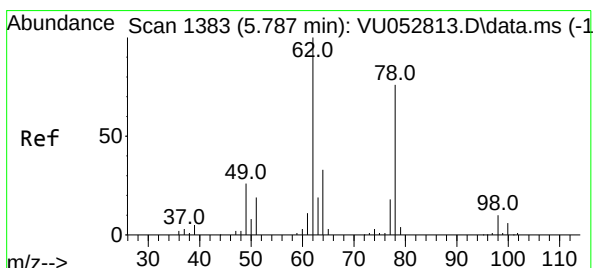
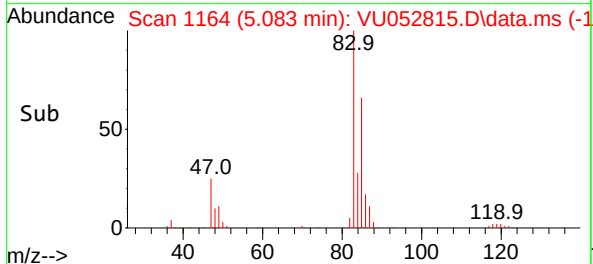
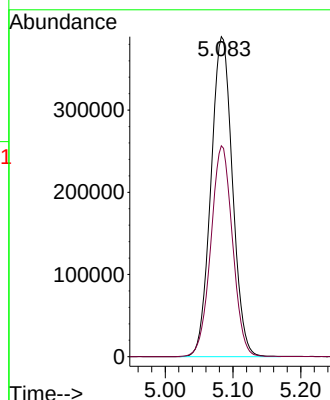
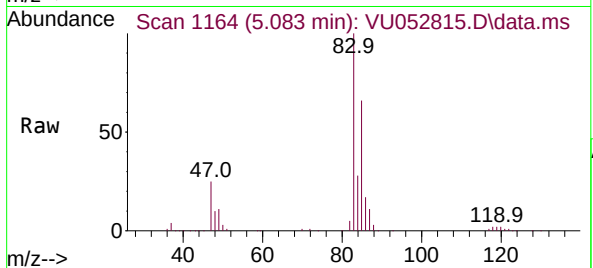
ClientSampleId :

Tgt Ion: 83 Resp: 859561

Ion Ratio Lower Upper

83 100

85 65.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 169.575 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052815.D

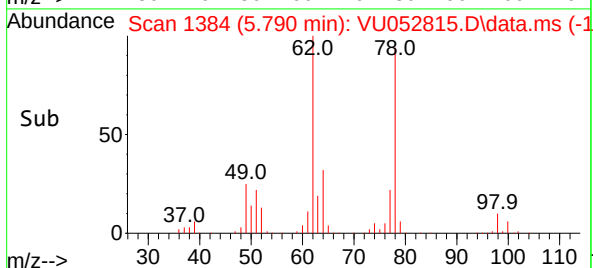
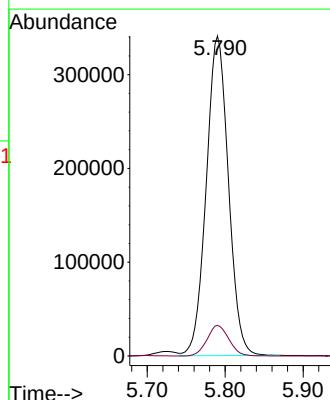
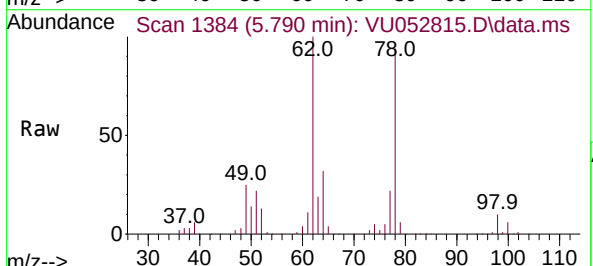
Acq: 26 Jan 2023 13:26

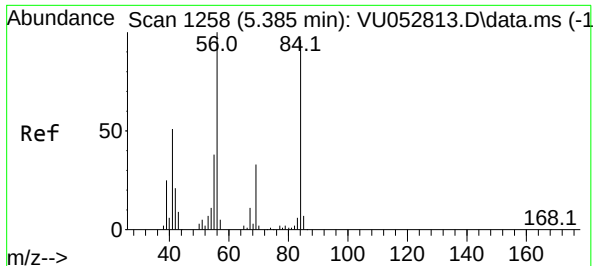
Tgt Ion: 62 Resp: 674005

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4





#29

Cyclohexane

Concen: 187.286 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

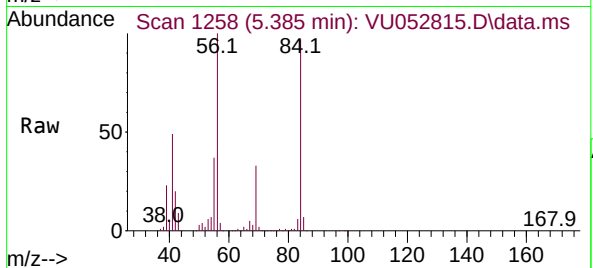
Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :



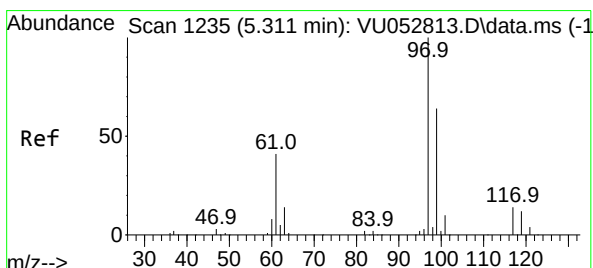
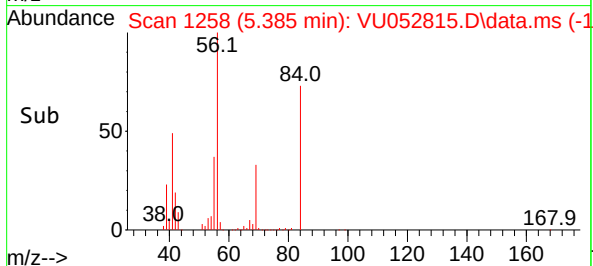
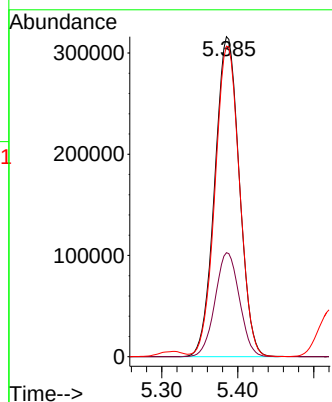
Tgt Ion: 56 Resp: 707295

Ion Ratio Lower Upper

56 100

69 32.2 26.6 40.0

84 96.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 202.319 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

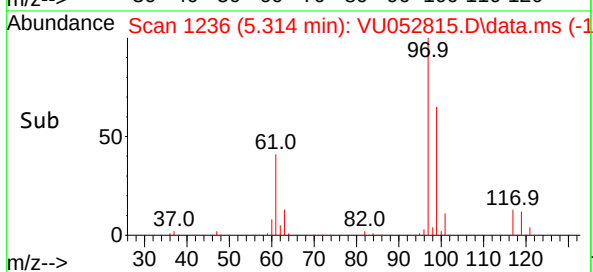
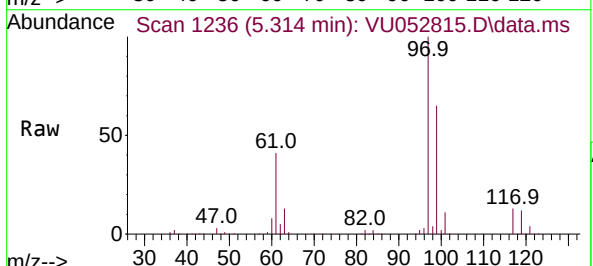
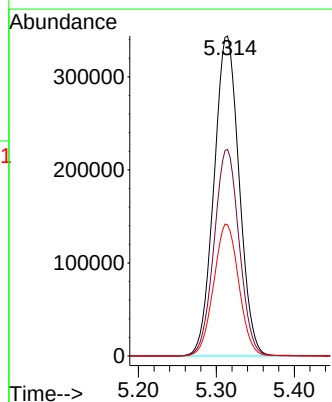
Tgt Ion: 97 Resp: 771876

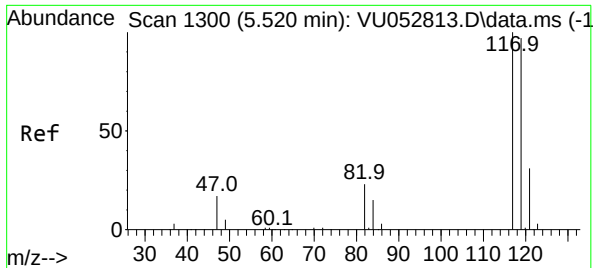
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 41.2 33.0 49.6

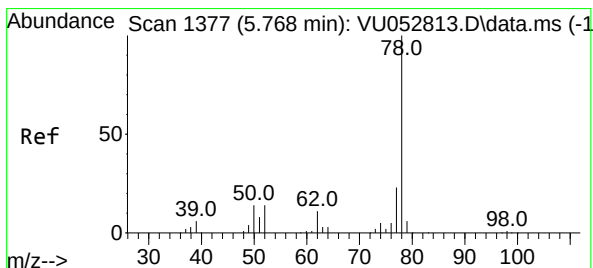
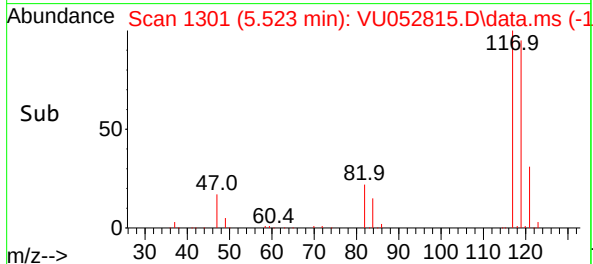
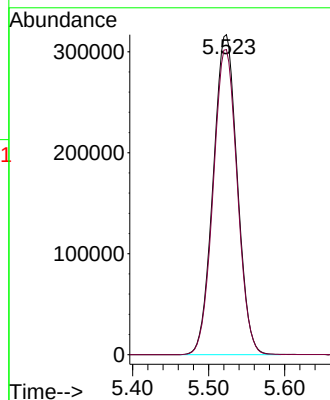
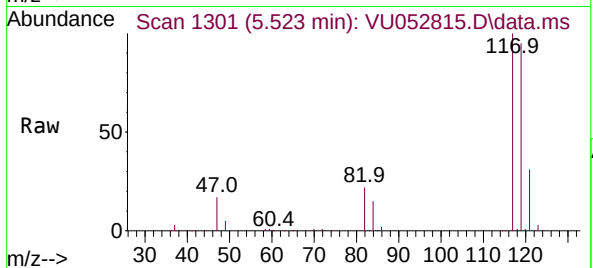




#31
Carbon tetrachloride
Concen: 217.973 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

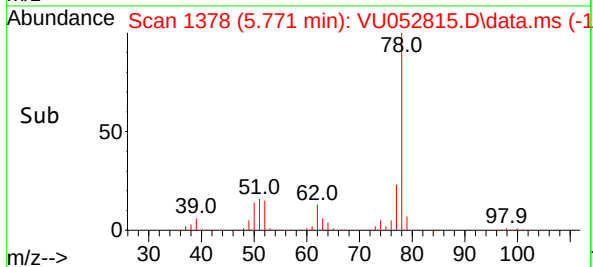
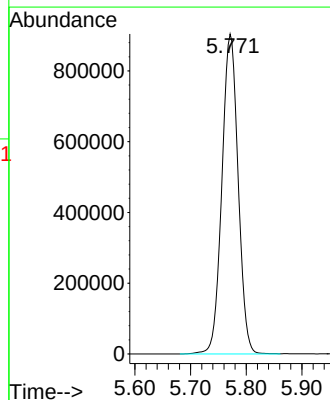
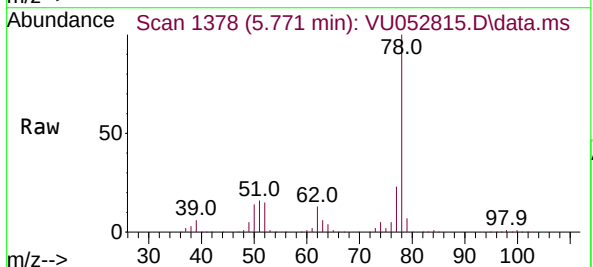
Instrument :
MSVOA_U
ClientSampleId :

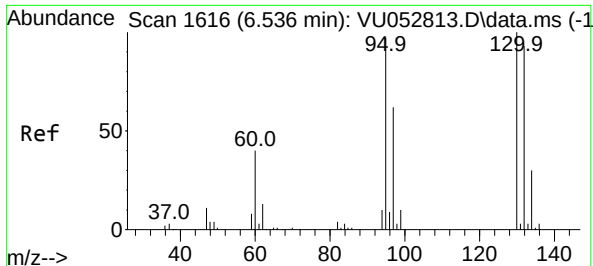
Tgt Ion:117 Resp: 697939
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#33
Benzene
Concen: 181.792 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion: 78 Resp: 1831680





#34

Trichloroethene

Concen: 200.784 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

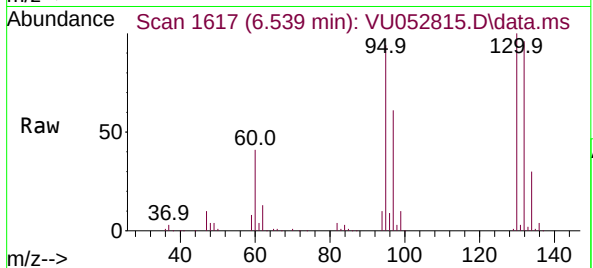
Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 471055

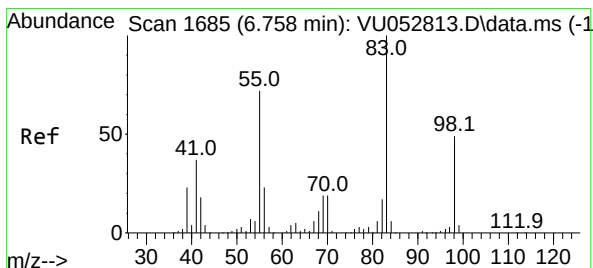
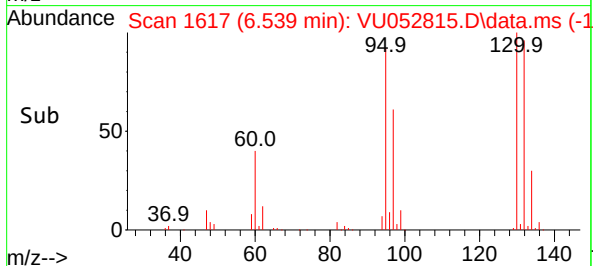
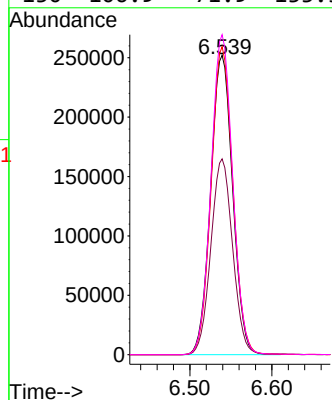
Ion Ratio Lower Upper

95 100

97 65.4 44.5 82.7

132 102.9 66.8 124.0

130 106.9 71.9 133.5



#35

Methylcyclohexane

Concen: 219.286 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

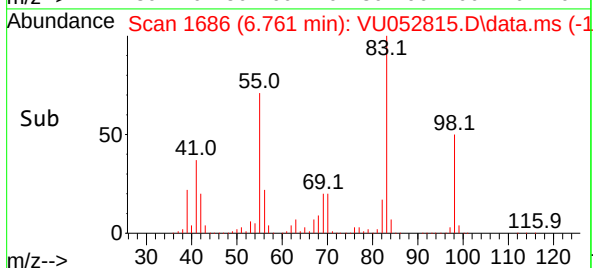
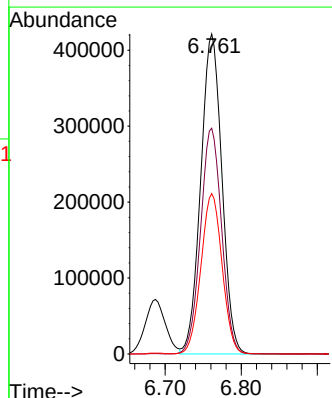
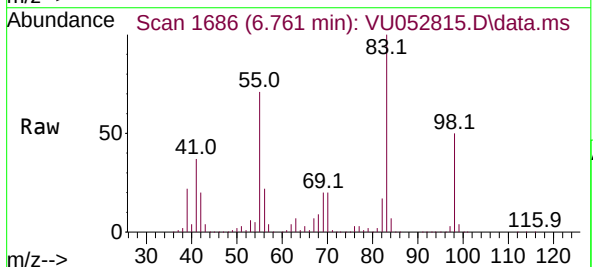
Tgt Ion: 83 Resp: 814657

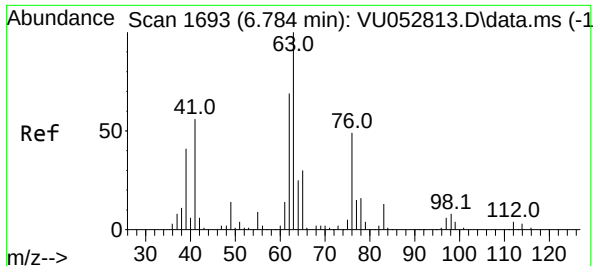
Ion Ratio Lower Upper

83 100

55 70.1 57.1 85.7

98 50.1 38.9 58.3





#37

1,2-Dichloropropane

Concen: 153.229 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

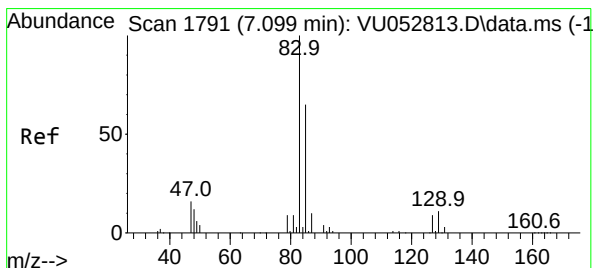
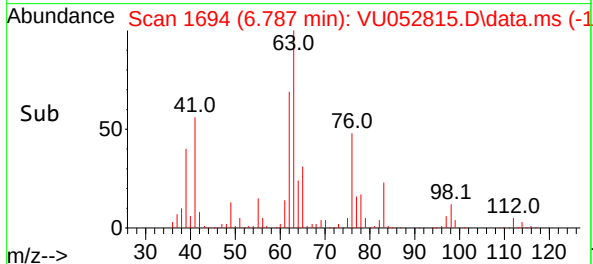
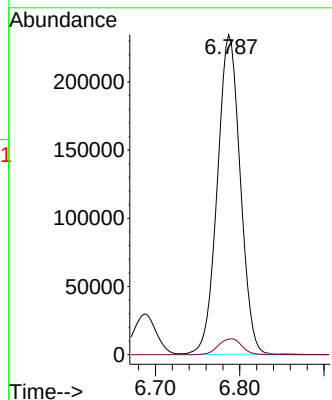
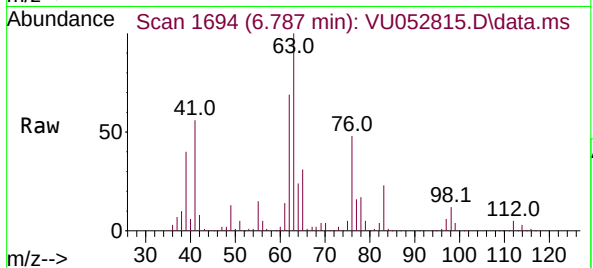
ClientSampleId :

Tgt Ion: 63 Resp: 441694

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 184.482 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

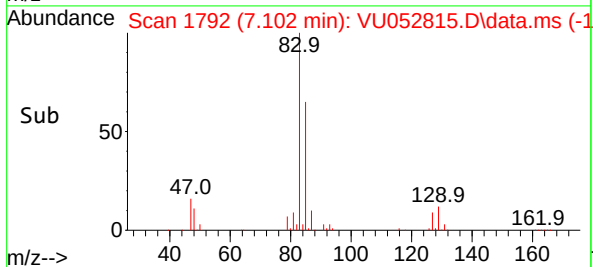
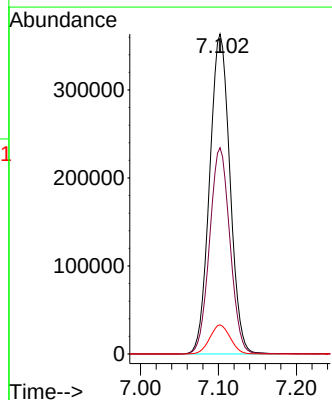
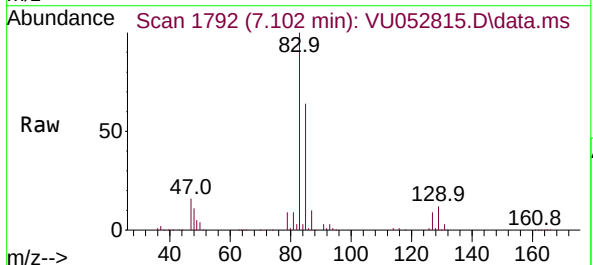
Tgt Ion: 83 Resp: 658577

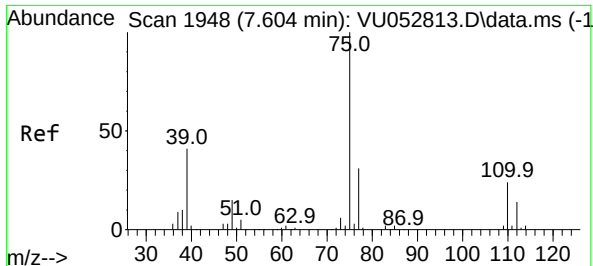
Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

127 9.1 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 199.509 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

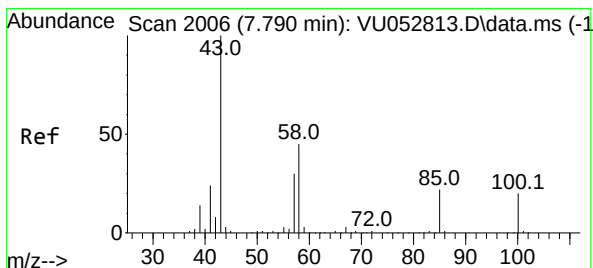
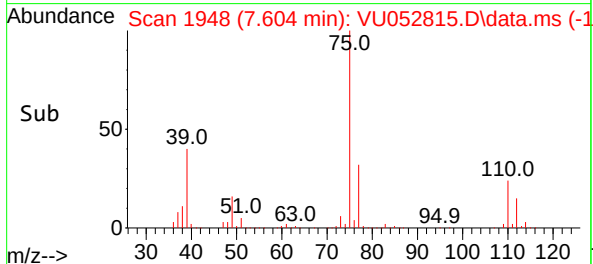
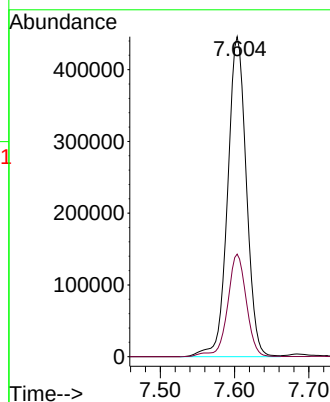
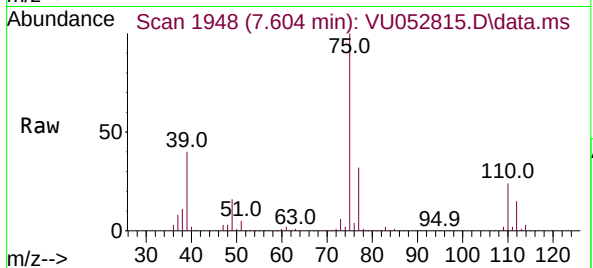
ClientSampleId :

Tgt Ion: 75 Resp: 781403

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 309.243 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

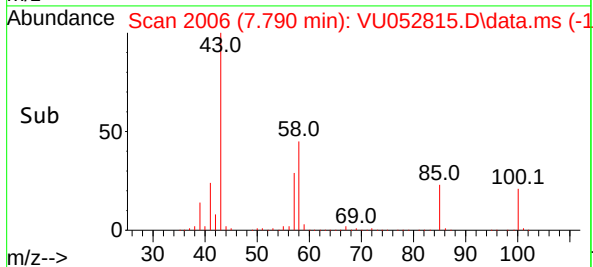
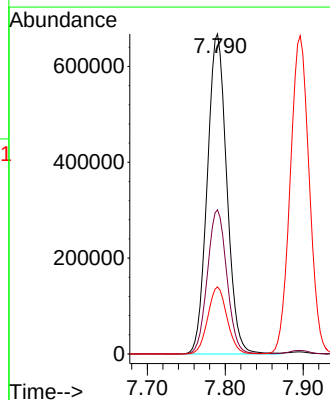
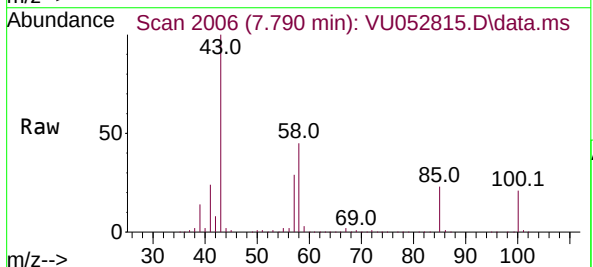
Tgt Ion: 43 Resp: 1162277

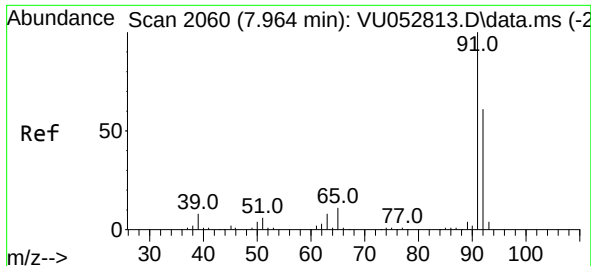
Ion Ratio Lower Upper

43 100

58 45.0 35.4 53.2

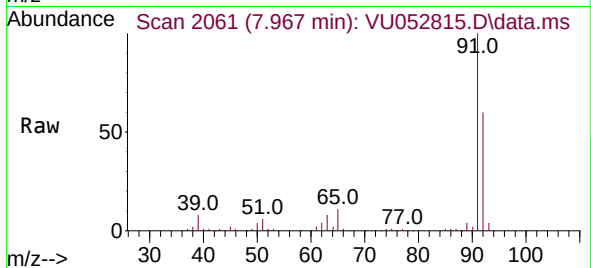
100 20.7 16.0 24.0



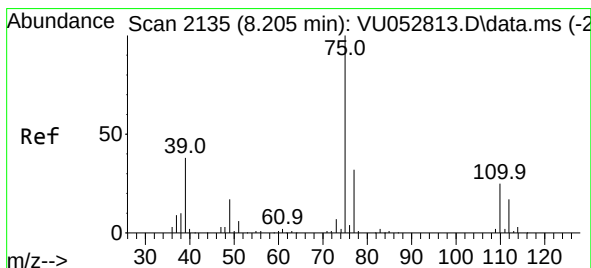
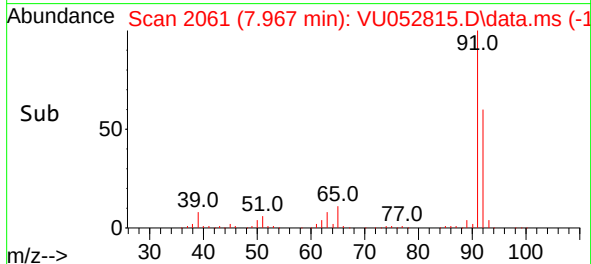
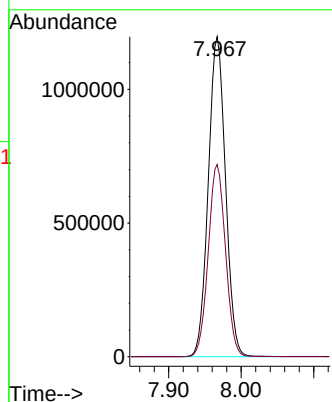


#42
Toluene
Concen: 201.176 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Instrument :
MSVOA_U
ClientSampleId :

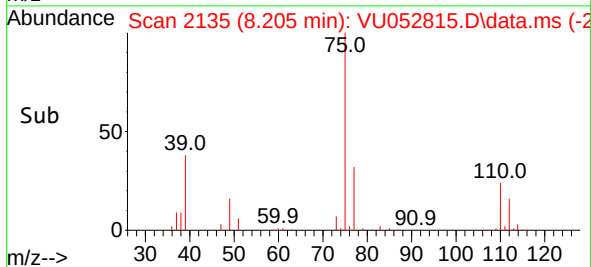
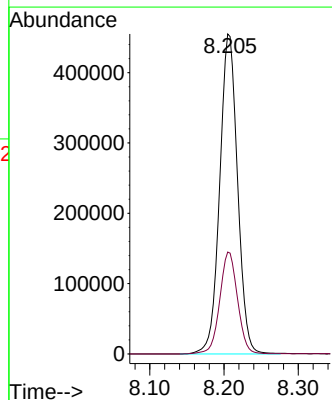
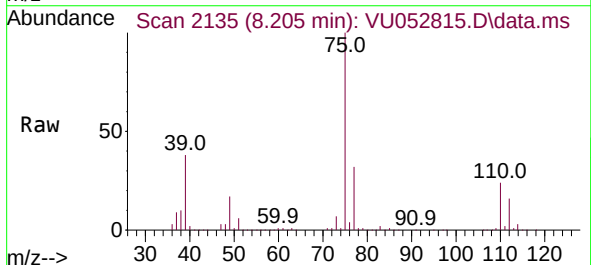


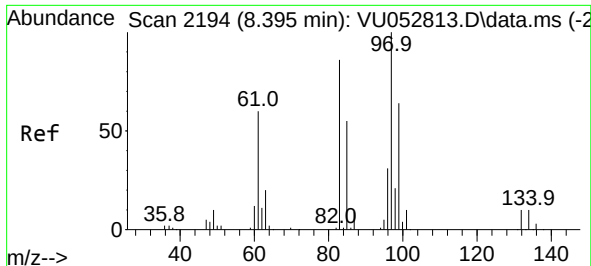
Tgt Ion: 91 Resp: 1977686
Ion Ratio Lower Upper
91 100
92 60.1 42.6 79.0



#44
trans-1,3-Dichloropropene
Concen: 201.355 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

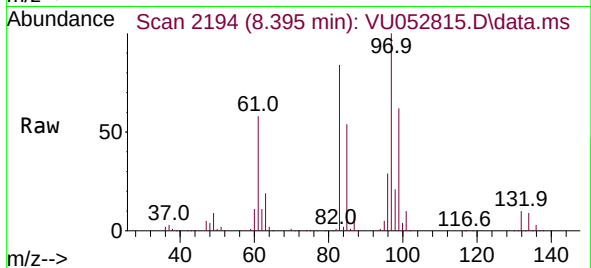
Tgt Ion: 75 Resp: 760638
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.3



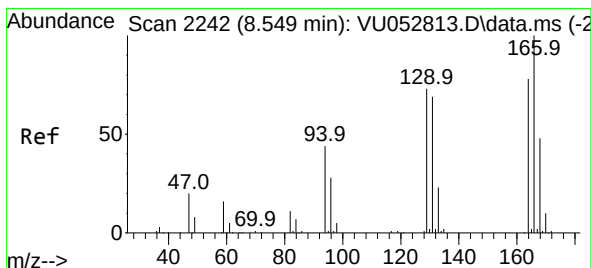
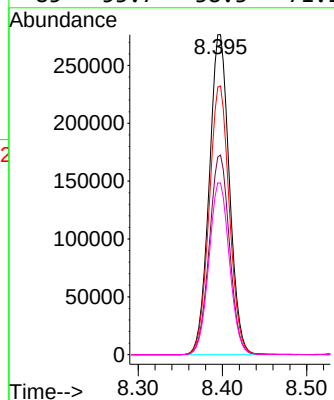
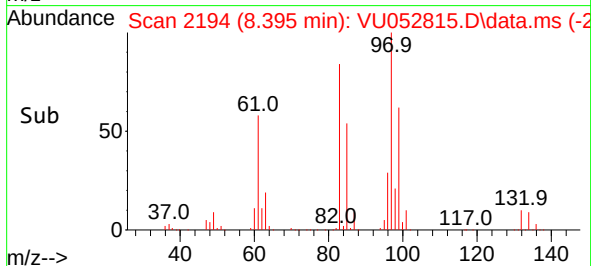


#45
1,1,2-Trichloroethane
Concen: 186.920 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

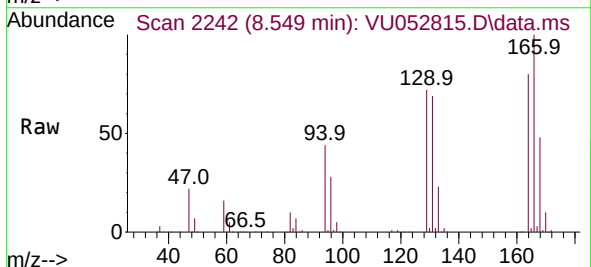
Instrument :
MSVOA_U
ClientSampleId :



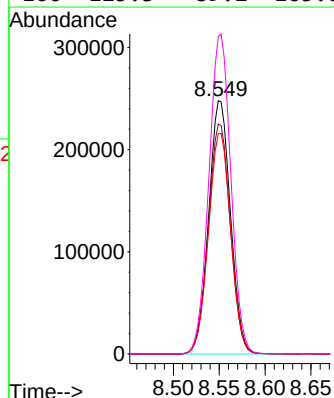
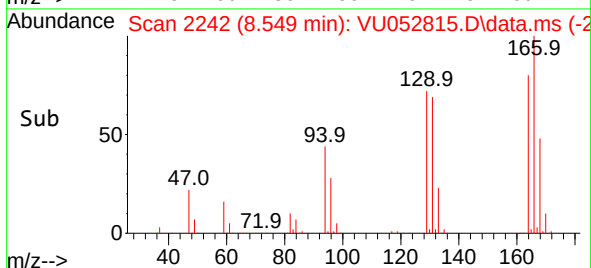
Tgt Ion:	97	Resp:	459796
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.7	83.1
83	83.6	60.3	112.1
85	53.7	38.3	71.1

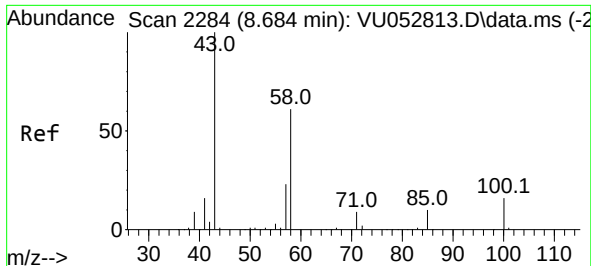


#46
Tetrachloroethene
Concen: 242.699 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26



Tgt Ion:	164	Resp:	411365
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.8	120.3
131	86.9	61.2	113.6
166	125.3	89.2	165.8

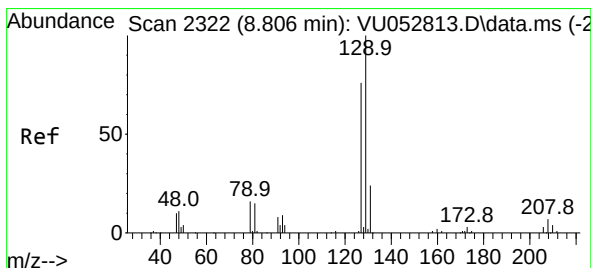
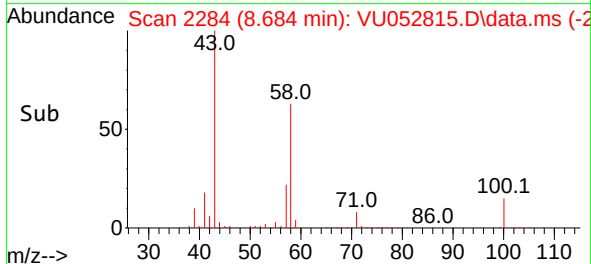
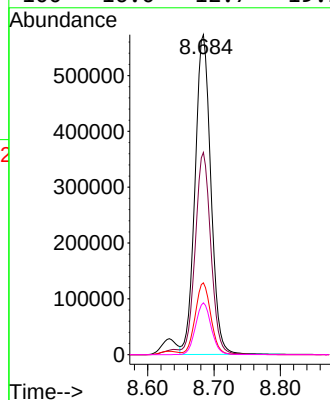
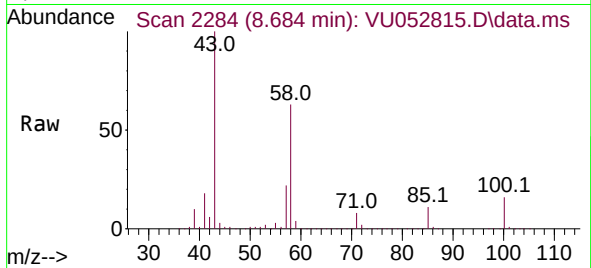




#48
2-Hexanone
Concen: 305.779 ug/L
RT: 8.684 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

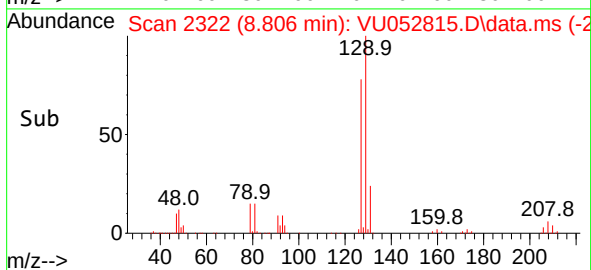
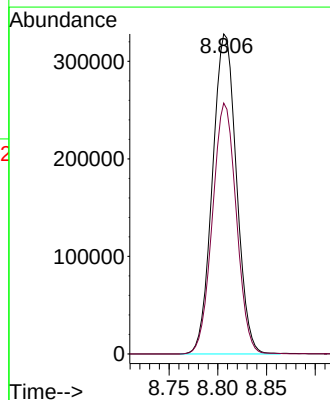
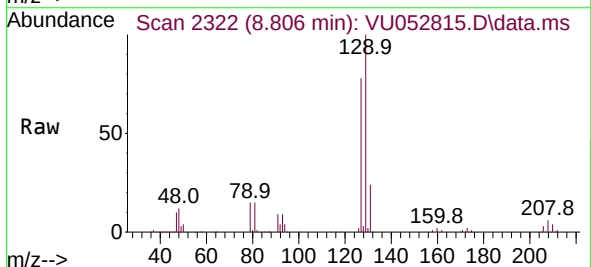
Instrument :
MSVOA_U
ClientSampleId :

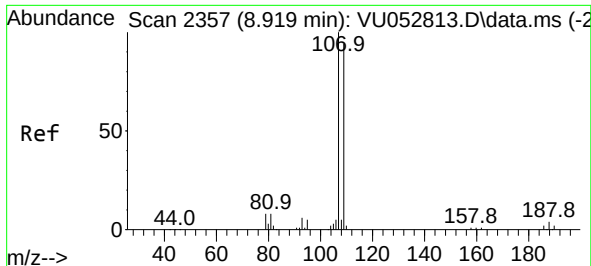
Tgt Ion:	43	Resp:	948121
Ion	Ratio	Lower	Upper
43	100		
58	62.6	48.0	72.0
57	22.2	16.8	25.2
100	16.0	12.7	19.1



#49
Dibromochloromethane
Concen: 213.041 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion:	129	Resp:	560805
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.2	98.8





#50

1,2-Dibromoethane

Concen: 202.153 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

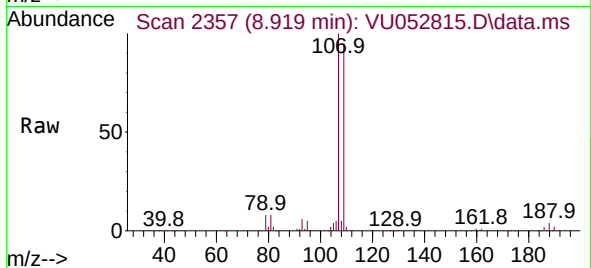
Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :



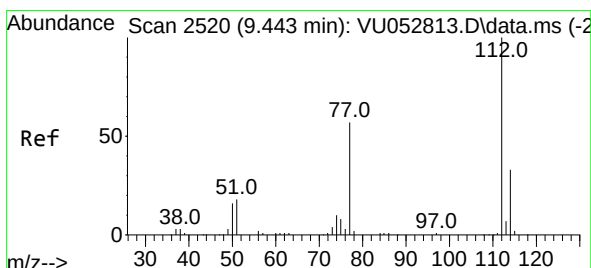
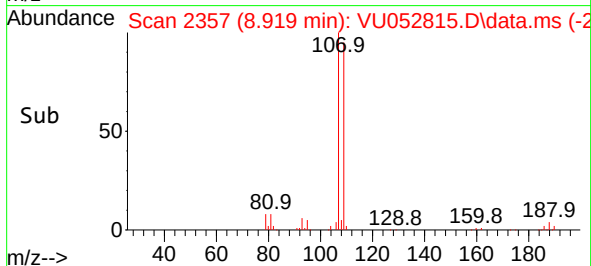
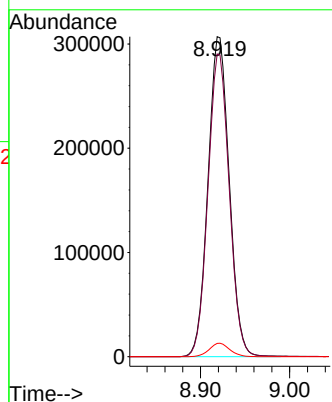
Tgt Ion:107 Resp: 508245

Ion Ratio Lower Upper

107 100

109 94.6 65.5 121.6

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 209.455 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

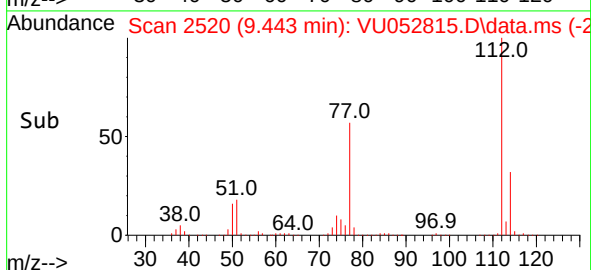
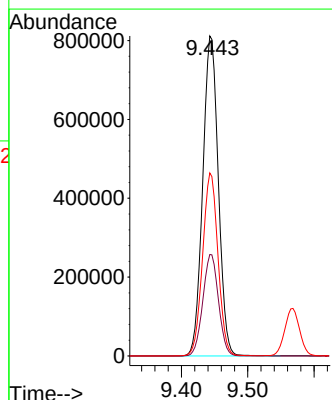
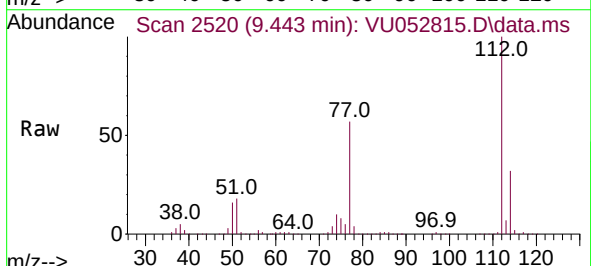
Tgt Ion:112 Resp: 1324159

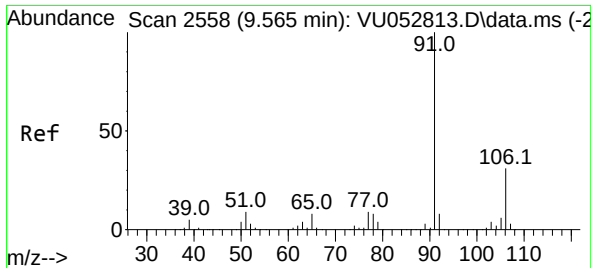
Ion Ratio Lower Upper

112 100

114 31.7 22.8 42.4

77 57.2 45.9 68.9

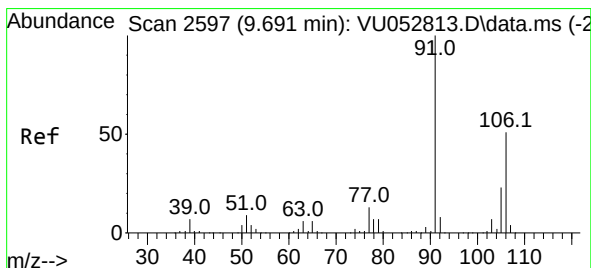
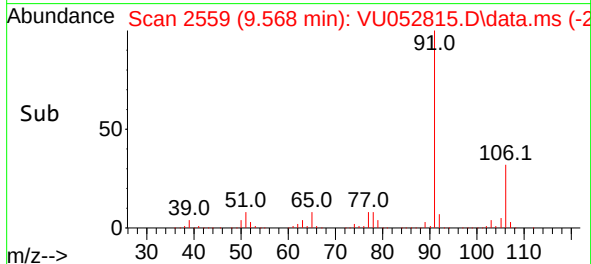
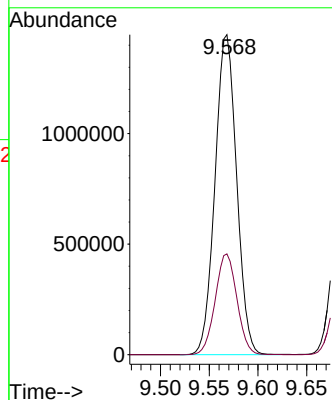
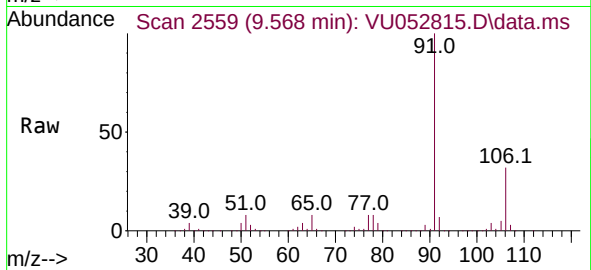




#52
Ethylbenzene
Concen: 217.863 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

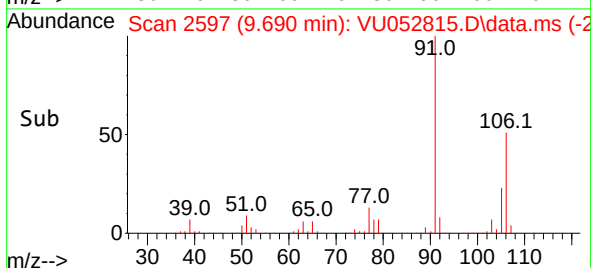
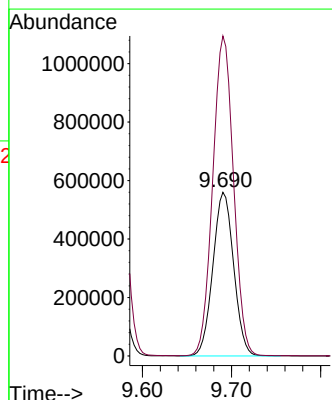
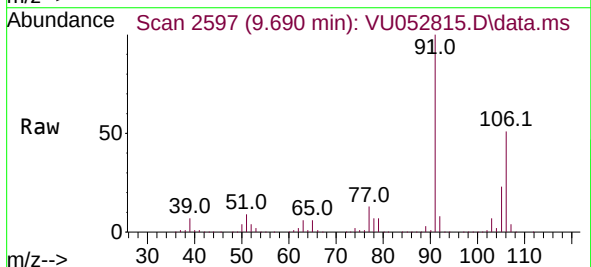
Instrument :
MSVOA_U
ClientSampleId :

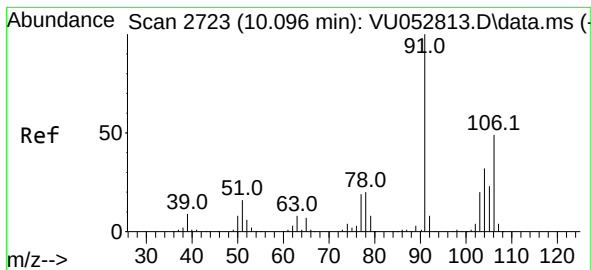
Tgt Ion: 91 Resp: 2233785
Ion Ratio Lower Upper
91 100
106 31.5 22.0 40.8



#53
m,p-Xylene
Concen: 233.320 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion:106 Resp: 906765
Ion Ratio Lower Upper
106 100
91 195.5 137.4 255.2





#54

o-xylene

Concen: 233.301 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

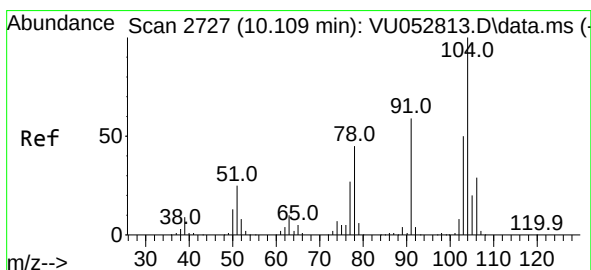
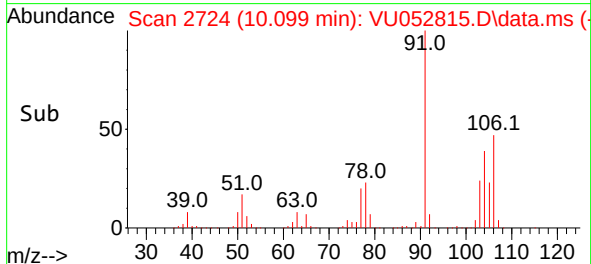
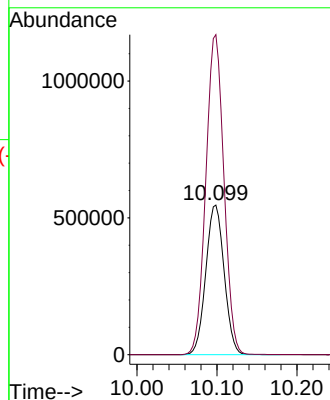
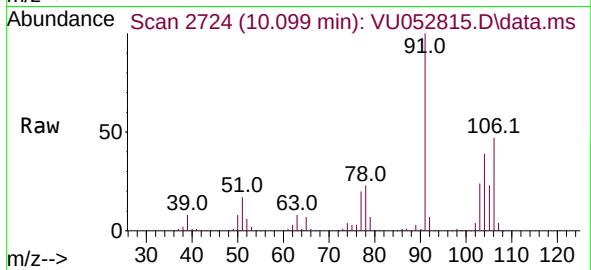
ClientSampleId :

Tgt Ion:106 Resp: 873080

Ion Ratio Lower Upper

106 100

91 213.9 143.4 266.2



#55

Styrene

Concen: 229.672 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU052815.D

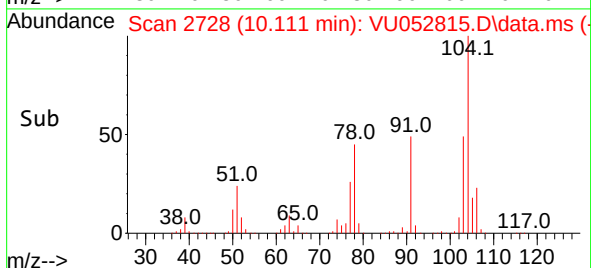
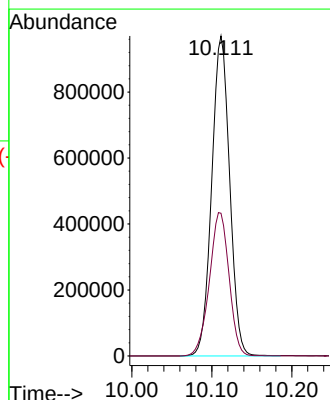
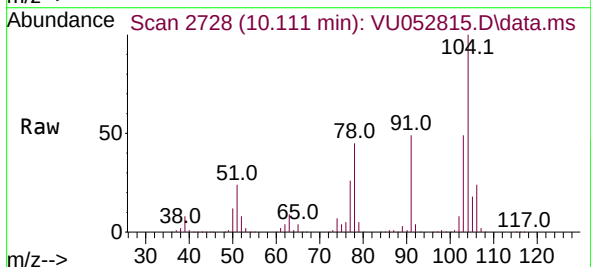
Acq: 26 Jan 2023 13:26

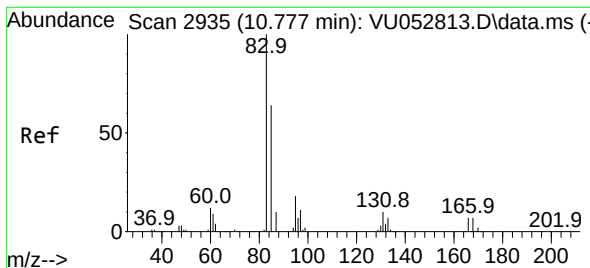
Tgt Ion:104 Resp: 1510720

Ion Ratio Lower Upper

104 100

78 44.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 170.641 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :

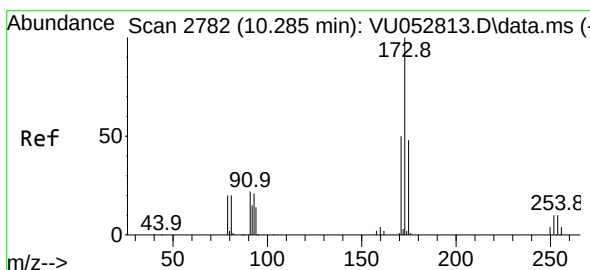
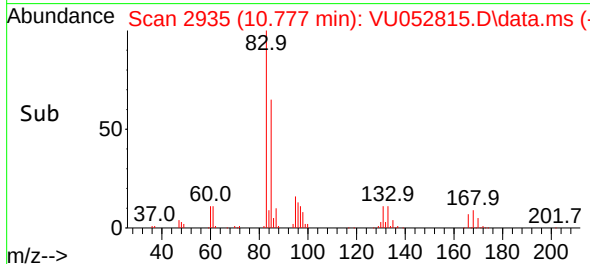
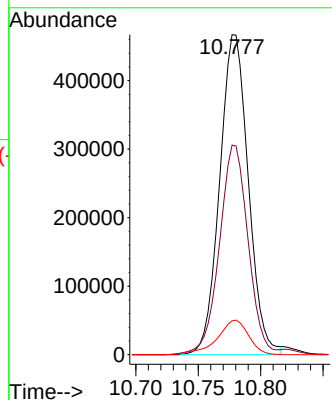
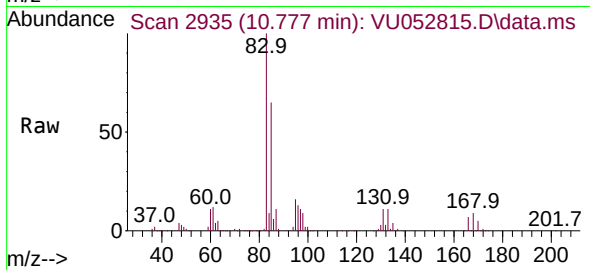
Tgt Ion: 83 Resp: 747844

Ion Ratio Lower Upper

83 100

85 65.5 45.0 83.6

131 10.6 8.6 12.8



#59

Bromoform

Concen: 211.604 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

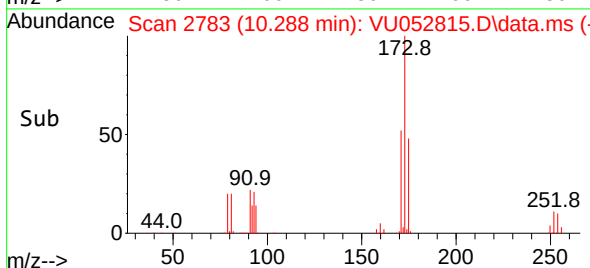
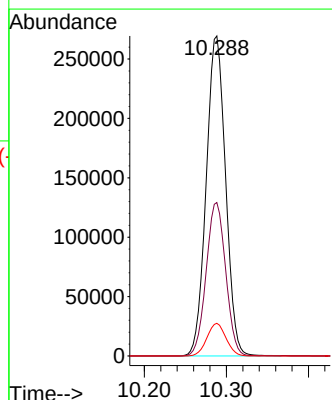
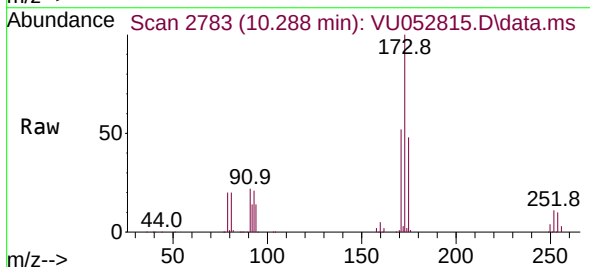
Tgt Ion:173 Resp: 441904

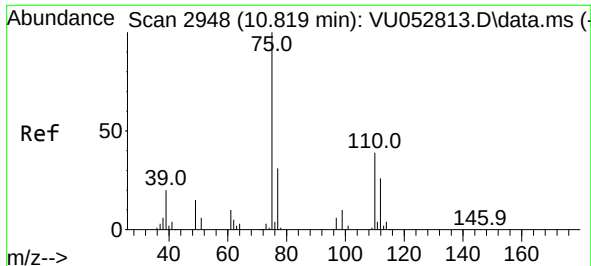
Ion Ratio Lower Upper

173 100

175 48.2 37.7 56.5

254 10.0 8.3 12.5

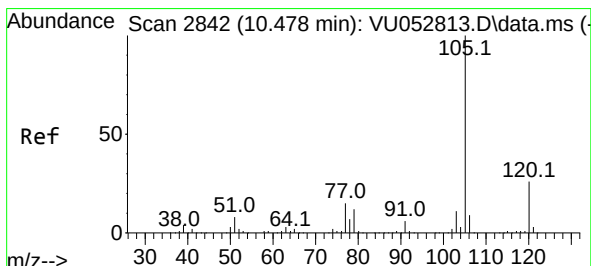
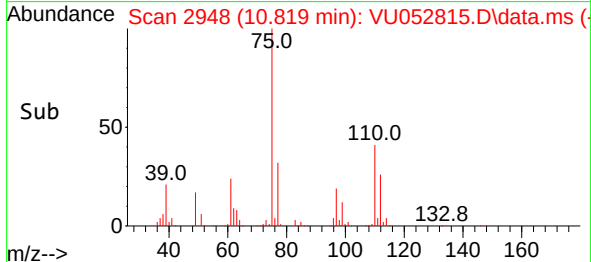
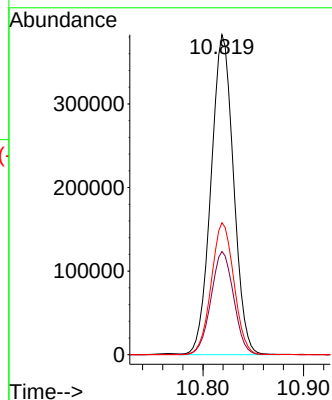
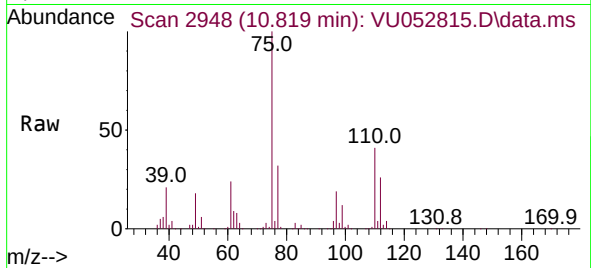




#60
1,2,3-Trichloropropane
Concen: 153.049 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

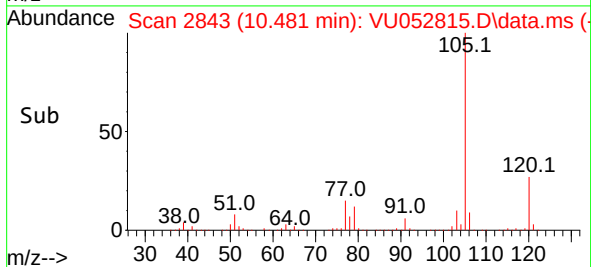
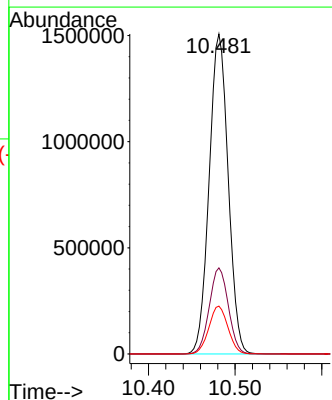
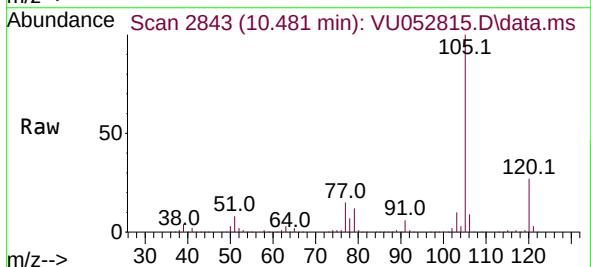
Instrument :
MSVOA_U
ClientSampleId :

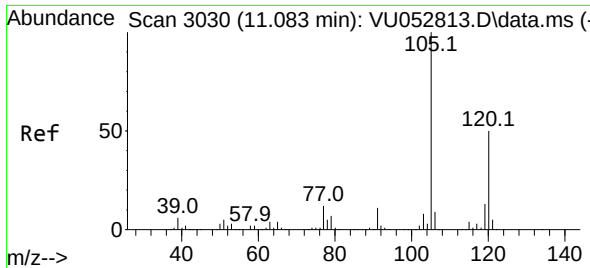
Tgt Ion: 75 Resp: 596395
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 41.5 32.4 48.6



#61
Isopropylbenzene
Concen: 212.777 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion: 105 Resp: 2298630
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.2
77 15.1 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 230.043 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

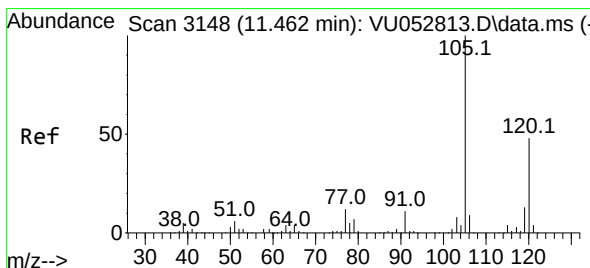
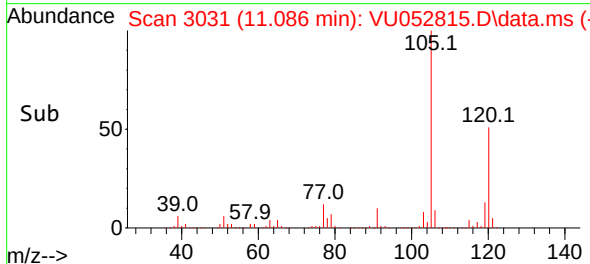
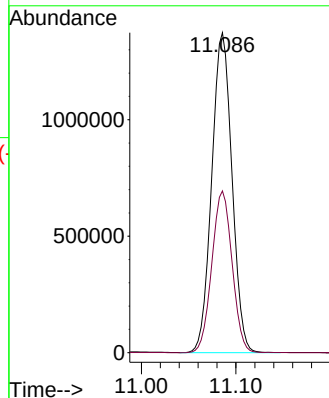
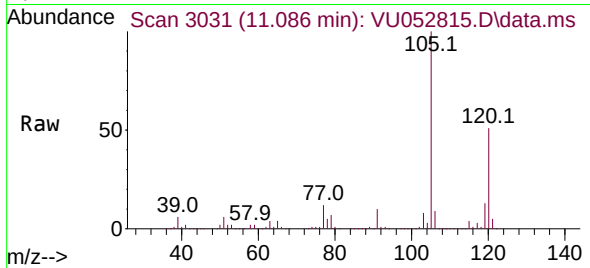
ClientSampleId :

Tgt Ion:105 Resp: 2040208

Ion Ratio Lower Upper

105 100

120 50.6 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 229.338 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052815.D

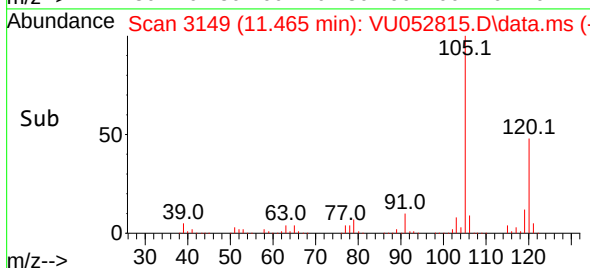
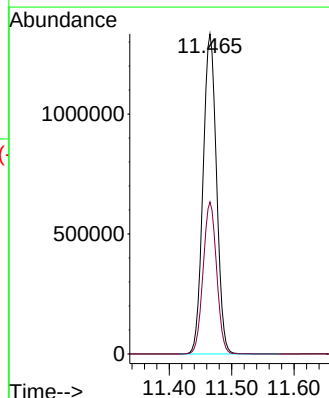
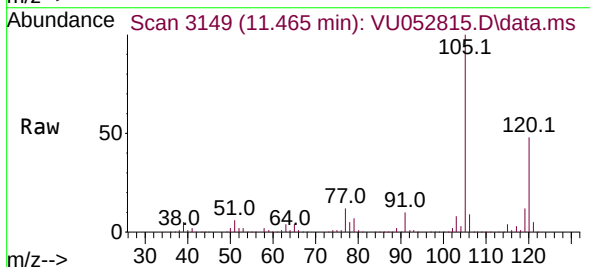
Acq: 26 Jan 2023 13:26

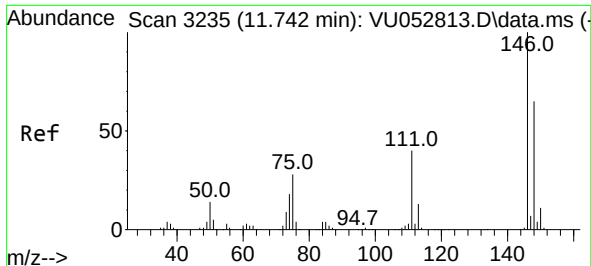
Tgt Ion:105 Resp: 2002886

Ion Ratio Lower Upper

105 100

120 47.6 38.1 57.1

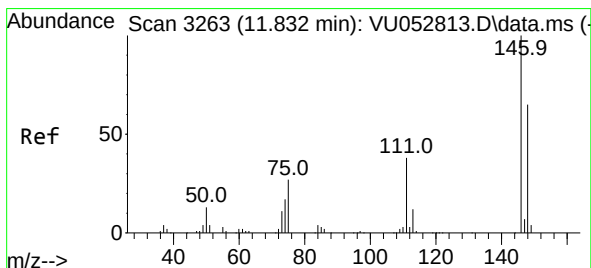
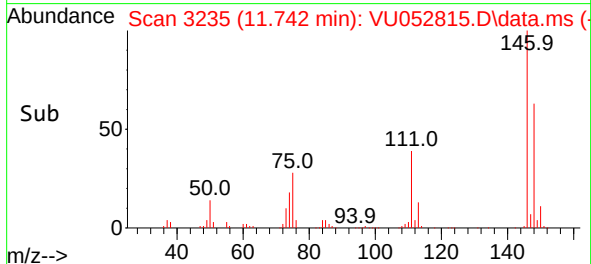
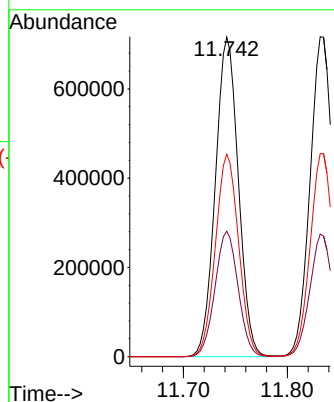
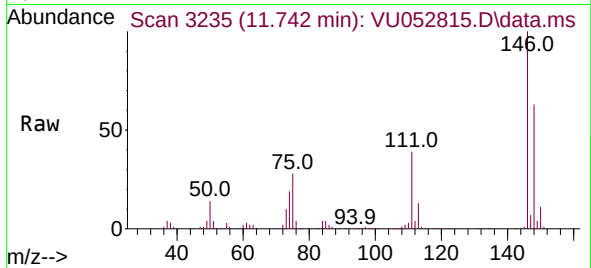




#64
1,3-Dichlorobenzene
Concen: 212.097 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

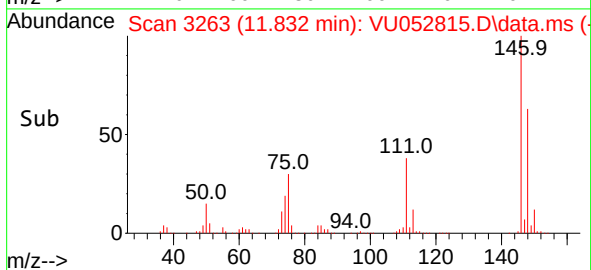
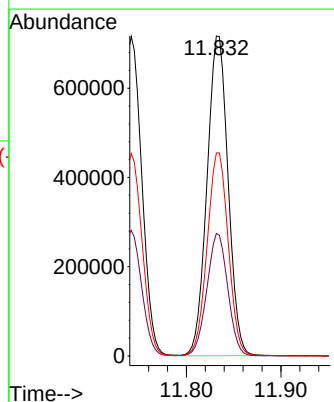
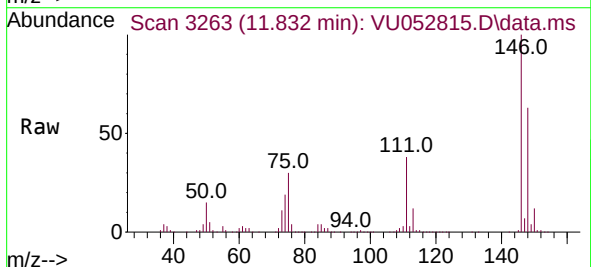
Instrument :
MSVOA_U
ClientSampleId :

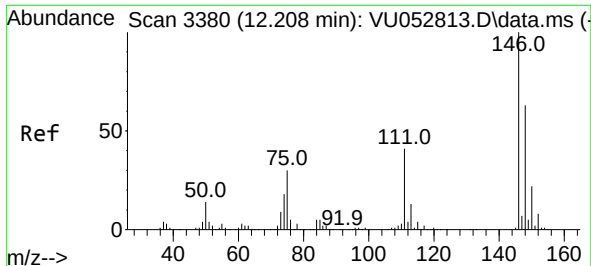
Tgt Ion:146 Resp: 1103057
Ion Ratio Lower Upper
146 100
111 39.2 27.8 51.6
148 63.3 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 202.606 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion:146 Resp: 1108522
Ion Ratio Lower Upper
146 100
111 38.3 26.7 49.7
148 63.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 205.298 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :

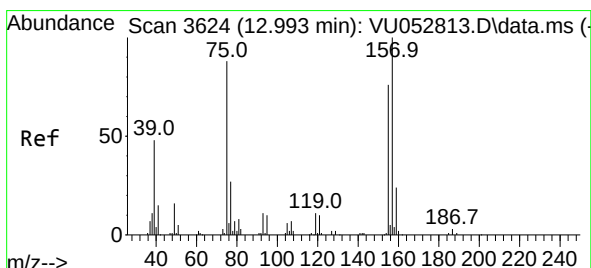
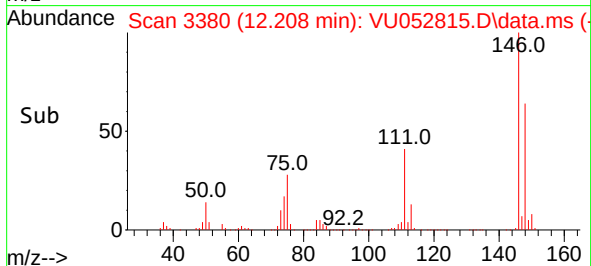
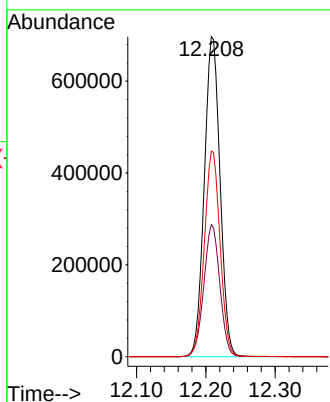
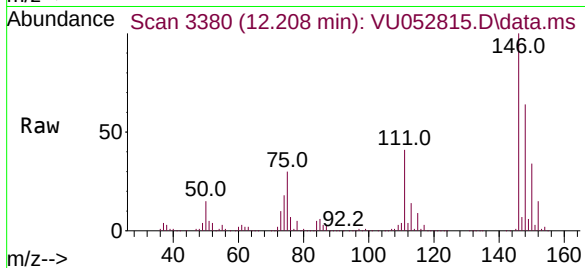
Tgt Ion:146 Resp: 1100306

Ion Ratio Lower Upper

146 100

111 41.2 33.2 49.8

148 64.3 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 168.340 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

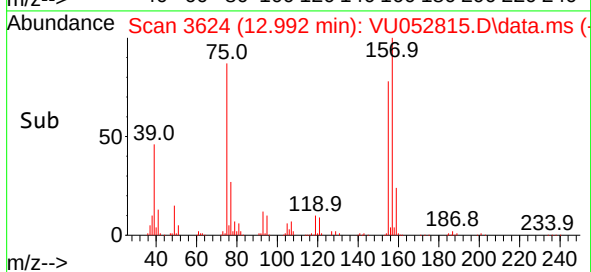
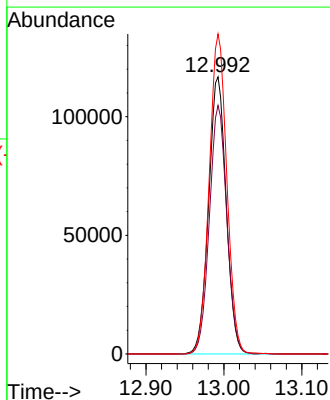
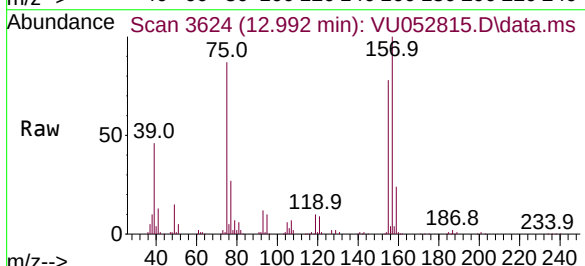
Tgt Ion: 75 Resp: 183370

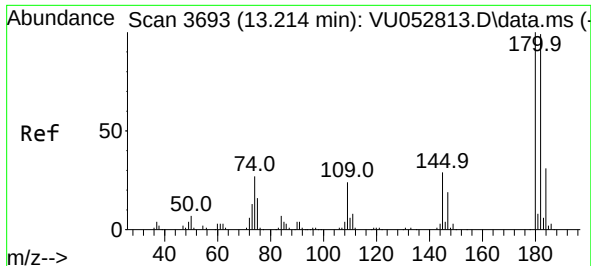
Ion Ratio Lower Upper

75 100

155 89.7 69.2 103.8

157 115.5 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 232.309 ug/L

RT: 13.214 min Scan# 3

Delta R.T. -0.000 min

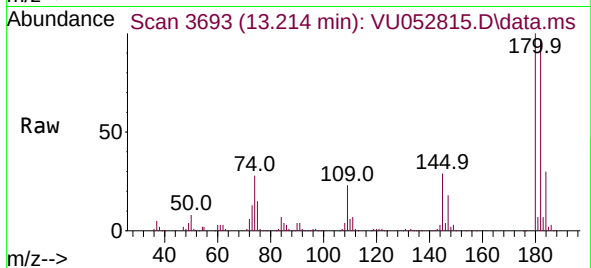
Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 861665

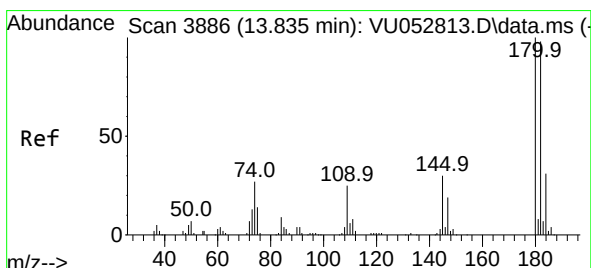
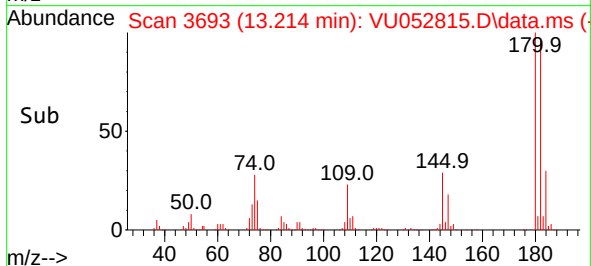
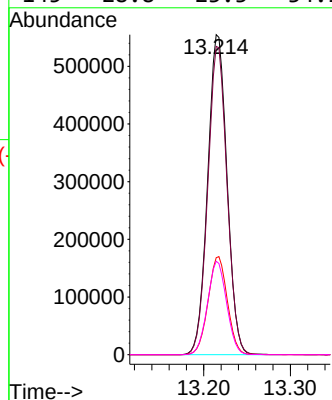
Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

184 30.5 24.4 36.6

145 28.8 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 246.671 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052815.D

Acq: 26 Jan 2023 13:26

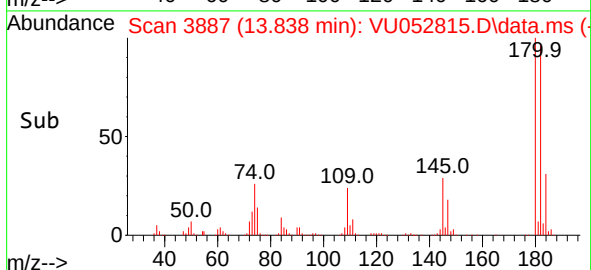
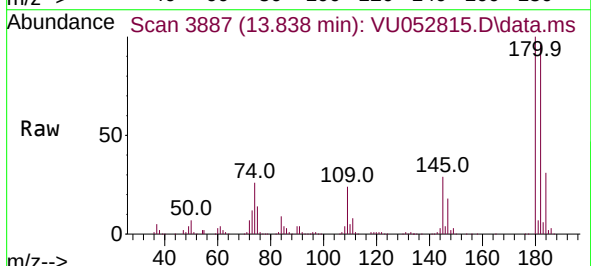
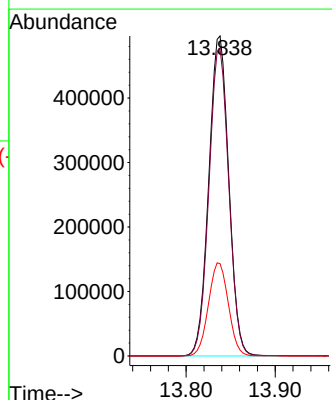
Tgt Ion:180 Resp: 772980

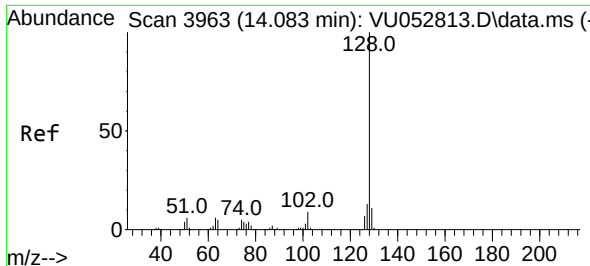
Ion Ratio Lower Upper

180 100

182 95.3 78.2 117.2

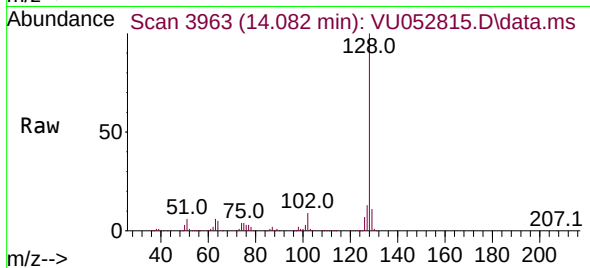
145 28.9 23.4 35.2





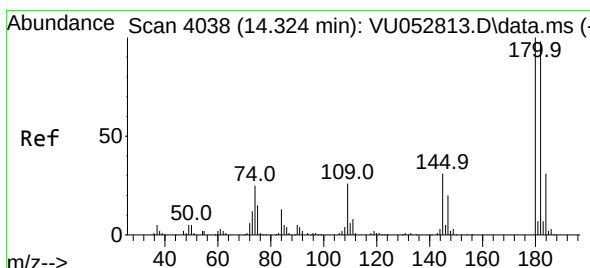
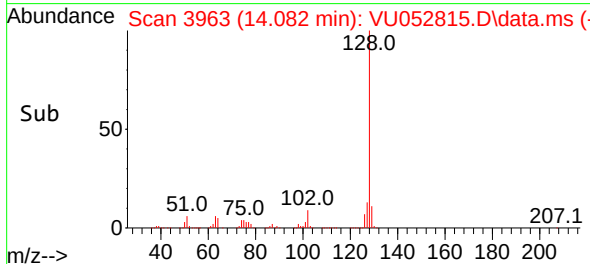
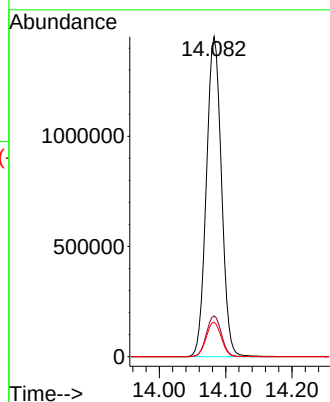
#71
Naphthalene
Concen: 239.598 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2291980

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 239.112 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052815.D
Acq: 26 Jan 2023 13:26

Tgt Ion:180 Resp: 772853

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.5	116.3
145	30.8	24.2	36.4

