

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052814.D
 Acq On : 26 Jan 2023 12:54
 Operator : JC/MD
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:14:20 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	284484	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	275284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	167033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	206025	67.841	ug/L	0.00
7) Chloroethane-d5	1.912	69	174502	72.832	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	409190	79.267	ug/L	0.00
21) 2-Butanone-d5	4.626	46	264123	138.451	ug/L	0.00
24) Chloroform-d	5.060	84	442926	88.409	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	283444	86.612	ug/L	0.00
32) Benzene-d6	5.723	84	878764	92.798	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	253726	78.438	ug/L	0.00
41) Toluene-d8	7.896	98	817833	100.654	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	134267	93.304	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	196717	172.478	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	371578	85.644	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	329711	100.256	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	255675	99.430	ug/L	99
3) Chloromethane	1.520	50	205391	62.962	ug/L	100
5) Vinyl chloride	1.604	62	229848	73.835	ug/L	98
6) Bromomethane	1.858	94	147904	95.079	ug/L	96
8) Chloroethane	1.935	64	144391	72.246	ug/L	95
9) Trichlorofluoromethane	2.137	101	382009	100.781	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	215718	96.037	ug/L	97
12) 1,1-Dichloroethene	2.578	96	203970	98.165	ug/L	94
13) Acetone	2.639	43	274380	136.368	ug/L	98
14) Carbon disulfide	2.793	76	595488	93.823	ug/L	100
15) Methyl Acetate	2.948	43	193733	63.094	ug/L	97
16) Methylene chloride	3.044	84	227676	83.911	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	215196	98.622	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	662955	95.436	ug/L	99
19) 1,1-Dichloroethane	3.864	63	378909	78.916	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	238707	98.482	ug/L	99
22) 2-Butanone	4.703	43	325179	139.707	ug/L	98
23) Bromochloromethane	4.970	128	130113	103.603	ug/L	98
25) Chloroform	5.083	83	421689	90.547	ug/L	100
27) 1,2-Dichloroethane	5.790	62	332377	86.769	ug/L	99
29) Cyclohexane	5.385	56	336750	91.291	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	383737	102.977	ug/L	99
31) Carbon tetrachloride	5.523	117	336771	107.681	ug/L	97
33) Benzene	5.771	78	902651	91.720	ug/L	100
34) Trichloroethene	6.539	95	228279	99.619	ug/L	96
35) Methylcyclohexane	6.761	83	393235	108.369	ug/L	99
37) 1,2-Dichloropropane	6.787	63	221652	78.724	ug/L	100
38) Bromodichloromethane	7.102	83	320438	91.899	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	366060	95.688	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	554307	150.994	ug/L	99
42) Toluene	7.967	91	968135	100.826	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	362861	98.343	ug/L	99

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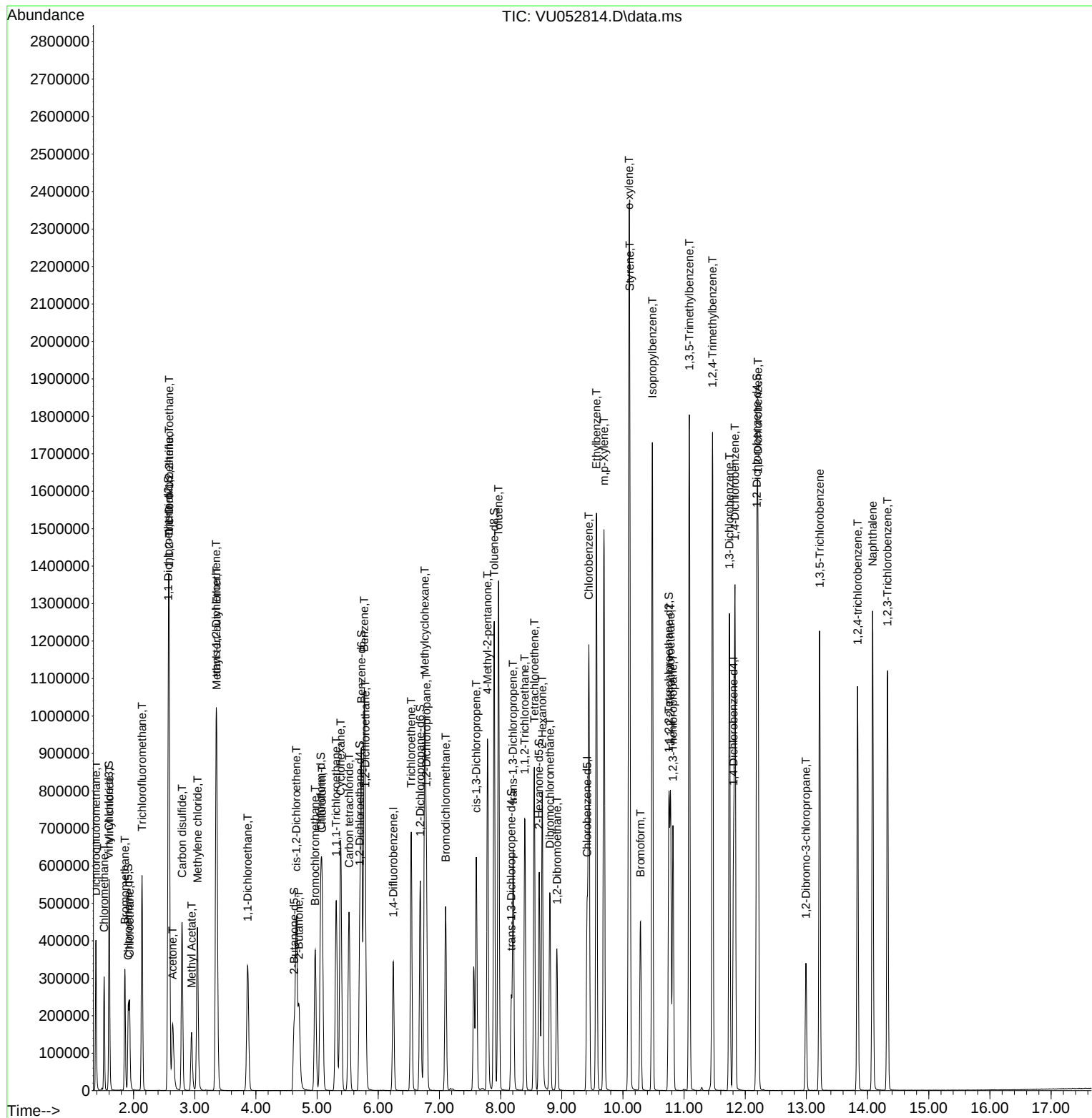
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	226204	94.148	ug/L	98
46) Tetrachloroethene	8.552	164	199959	120.782	ug/L	98
48) 2-Hexanone	8.681	43	457323	151.003	ug/L	97
49) Dibromochloromethane	8.806	129	275618	107.196	ug/L	99
50) 1,2-Dibromoethane	8.922	107	249742	101.699	ug/L	99
51) Chlorobenzene	9.443	112	641689	103.919	ug/L	99
52) Ethylbenzene	9.568	91	1073941	107.236	ug/L	100
53) m,p-Xylene	9.690	106	436857	115.084	ug/L	99
54) o-xylene	10.099	106	421614	115.344	ug/L	96
55) Styrene	10.111	104	732509	114.013	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	364192	85.079	ug/L	99
59) Bromoform	10.288	173	210503	105.124	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	286442	76.662	ug/L	98
61) Isopropylbenzene	10.481	105	1104313	106.609	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	962391	113.170	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	947456	113.142	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	527193	105.719	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	530963	101.209	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	524092	101.982	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	85038	81.418	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	401971	113.023	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	344780	114.746	ug/L	99
71) Naphthalene	14.082	128	1032426	112.558	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	355872	114.827	ug/L	99

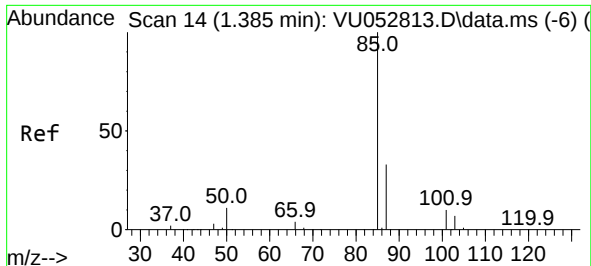
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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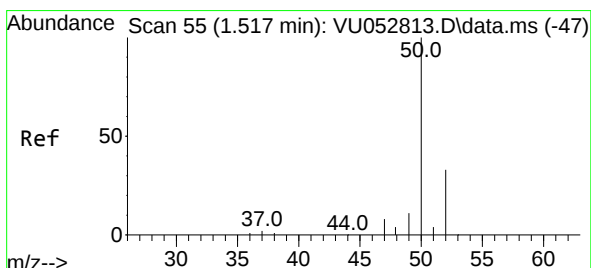
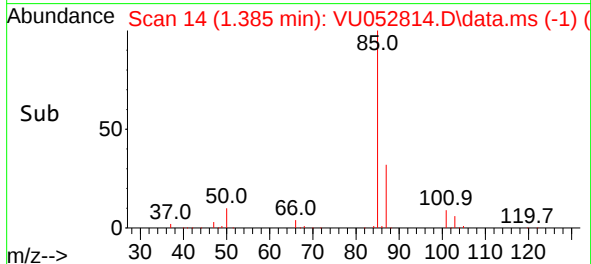
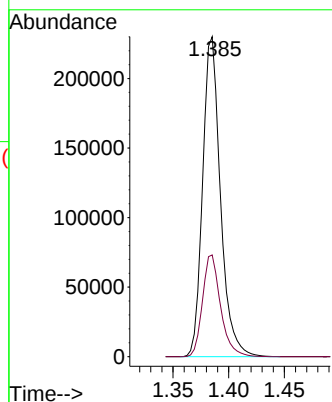
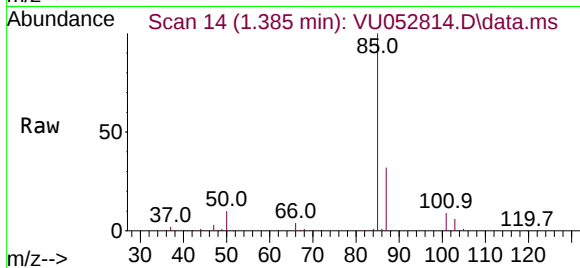




#2
Dichlorodifluoromethane
Concen: 99.430 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

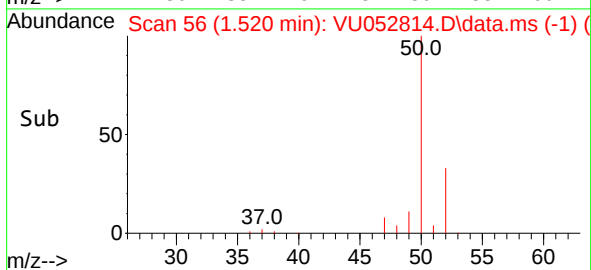
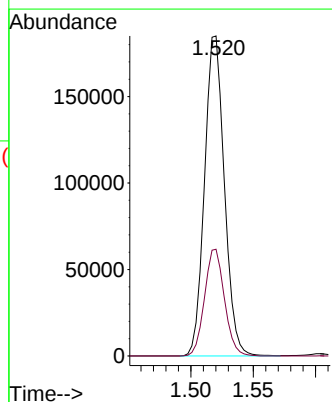
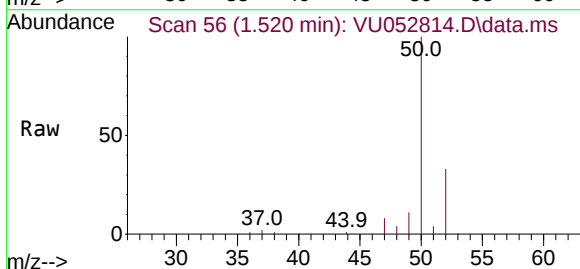
Instrument :
MSVOA_U
ClientSampleId :

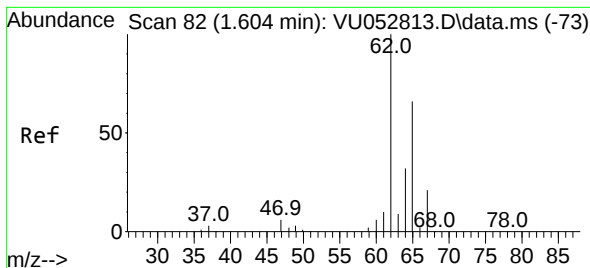
Tgt Ion: 85 Resp: 255675
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 62.962 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 50 Resp: 205391
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 73.835 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

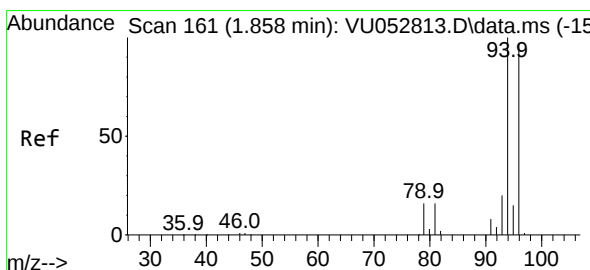
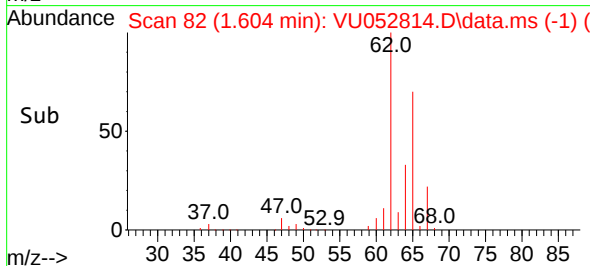
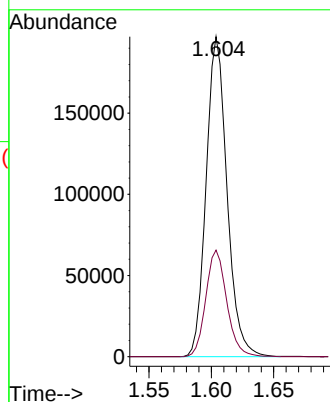
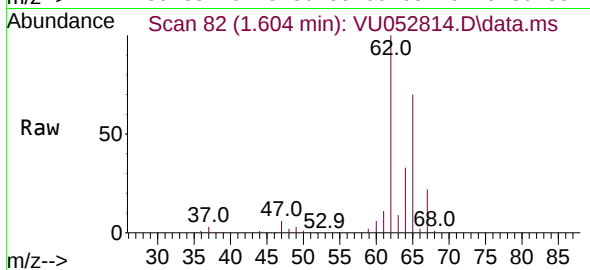
ClientSampleId :

Tgt Ion: 62 Resp: 229848

Ion Ratio Lower Upper

62 100

64 33.3 22.4 41.6



#6

Bromomethane

Concen: 95.079 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU052814.D

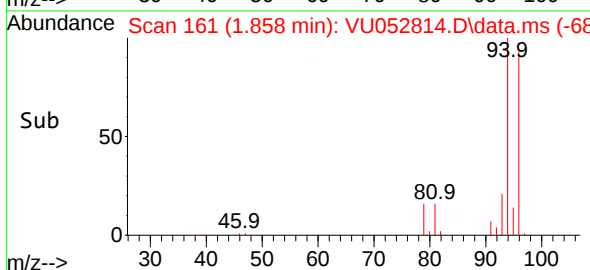
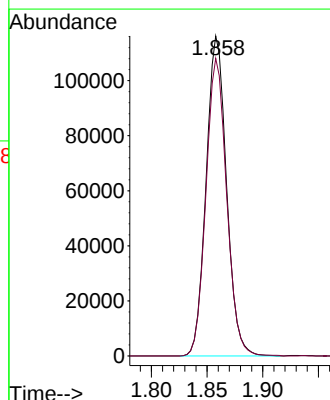
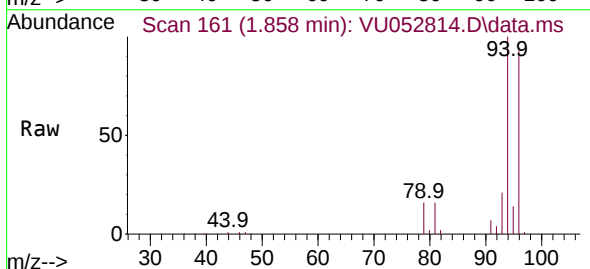
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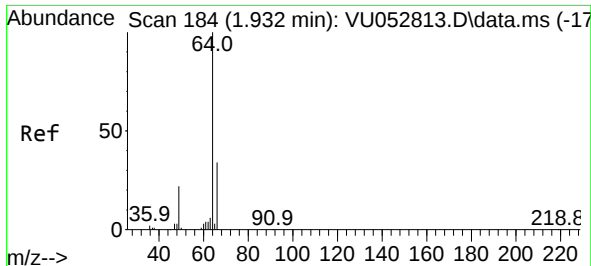
Tgt Ion: 94 Resp: 147904

Ion Ratio Lower Upper

94 100

96 93.0 67.8 125.8

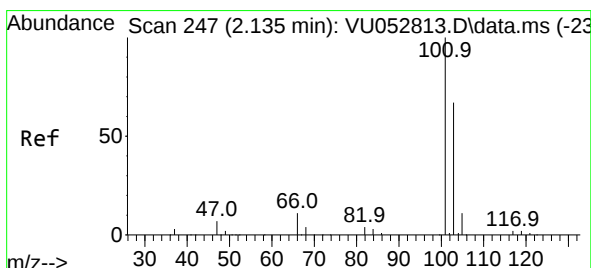
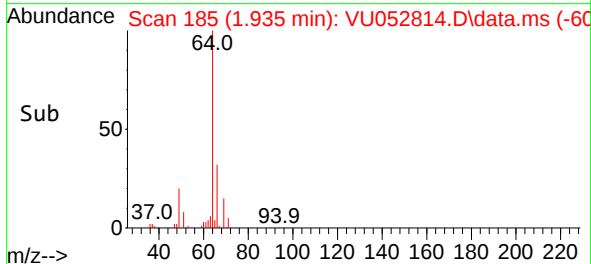
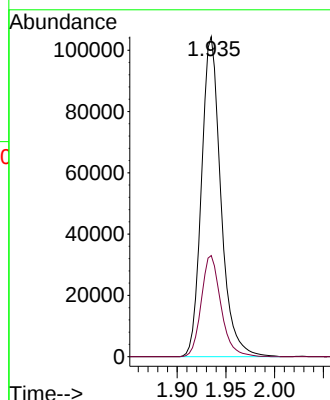
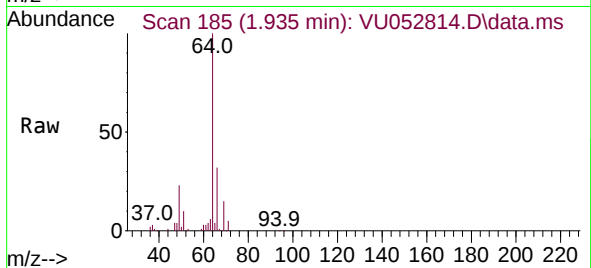




#8
Chloroethane
Concen: 72.246 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

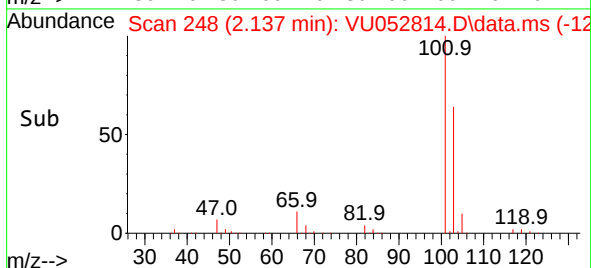
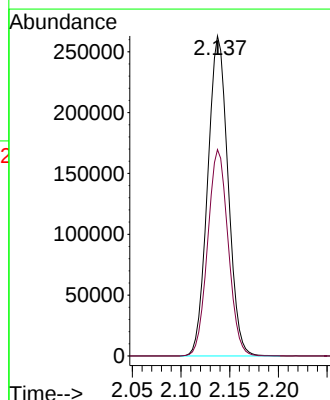
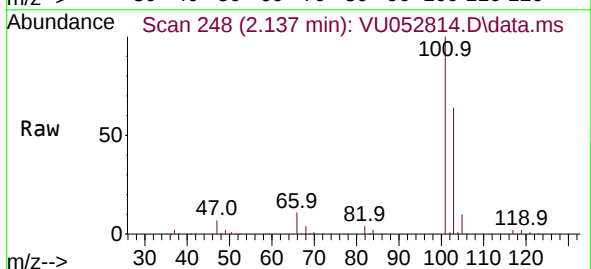
Instrument :
MSVOA_U
ClientSampleId :

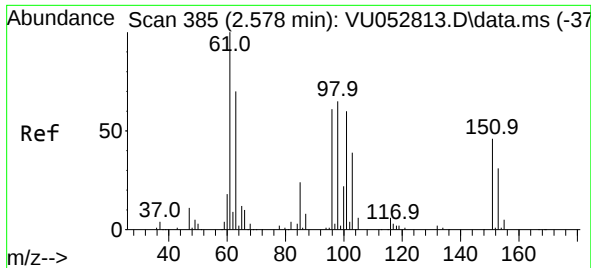
Tgt Ion: 64 Resp: 144391
Ion Ratio Lower Upper
64 100
66 31.6 24.1 44.7



#9
Trichlorofluoromethane
Concen: 100.781 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion:101 Resp: 382009
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

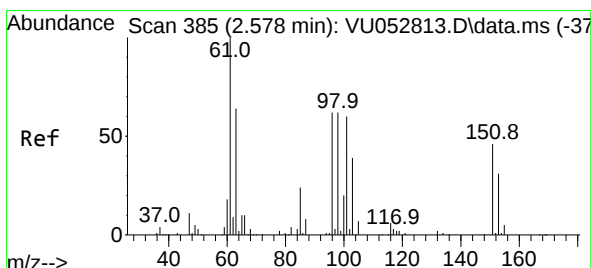
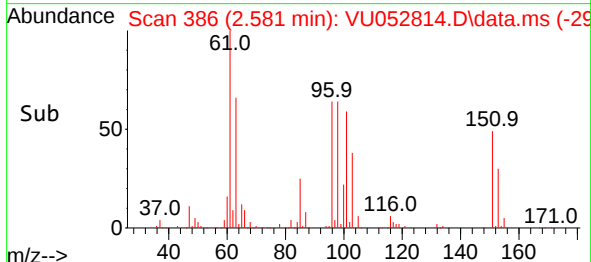
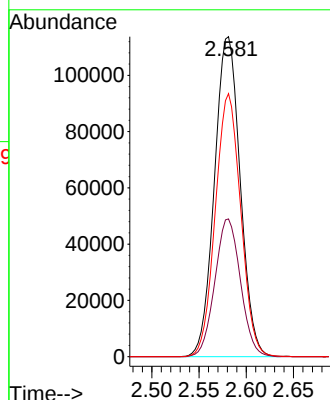
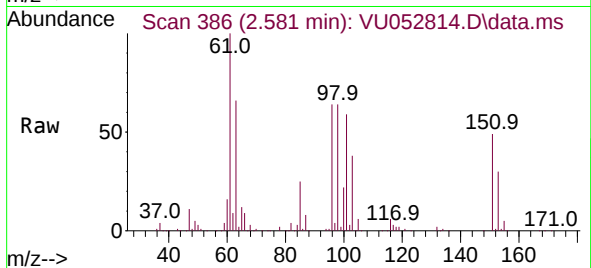




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 96.037 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052814.D
 Acq: 26 Jan 2023 12:54

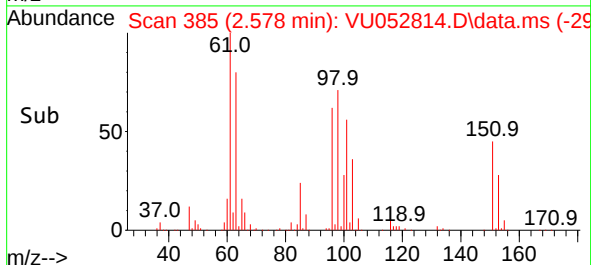
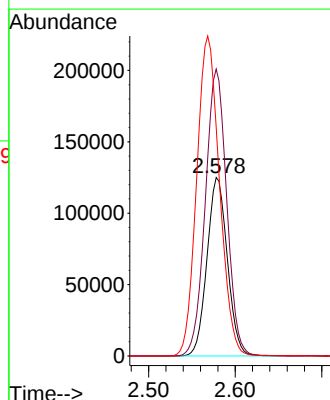
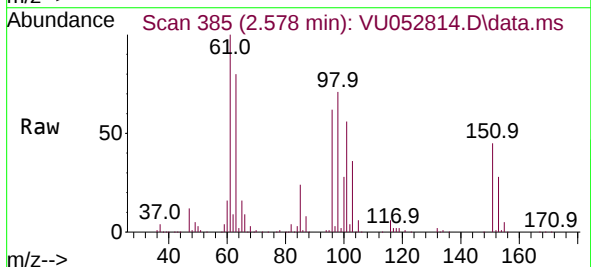
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 ClientSampleId :

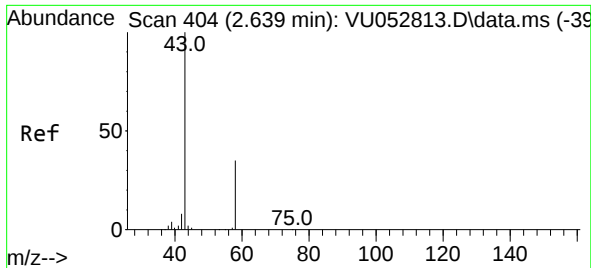
Tgt Ion:101 Resp: 215718
 Ion Ratio Lower Upper
 101 100
 85 42.7 32.9 49.3
 151 81.0 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 98.165 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052814.D
 Acq: 26 Jan 2023 12:54

Tgt Ion: 96 Resp: 203970
 Ion Ratio Lower Upper
 96 100
 61 160.8 114.3 212.3
 63 128.2 80.6 149.6





#13

Acetone

Concen: 136.368 ug/L

RT: 2.639 min Scan# 404

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

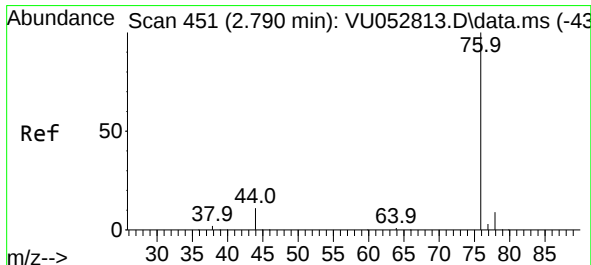
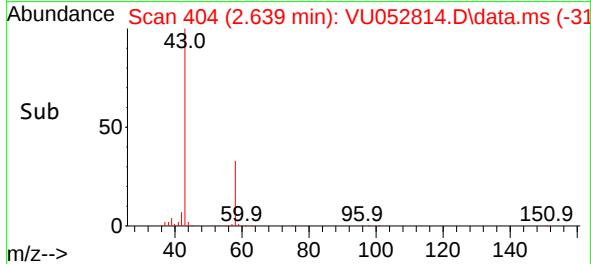
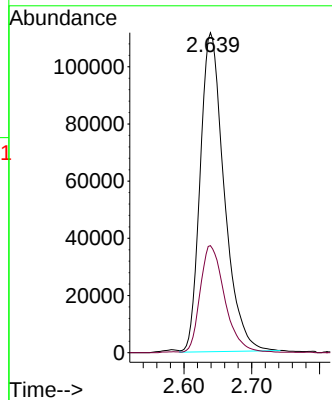
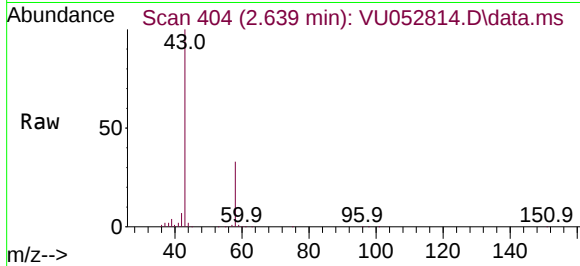
ClientSampleId :

Tgt Ion: 43 Resp: 274380

Ion Ratio Lower Upper

43 100

58 34.2 0.0 70.2



#14

Carbon disulfide

Concen: 93.823 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052814.D

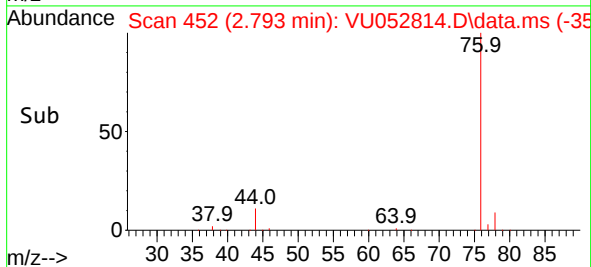
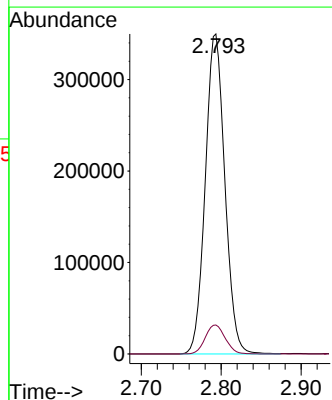
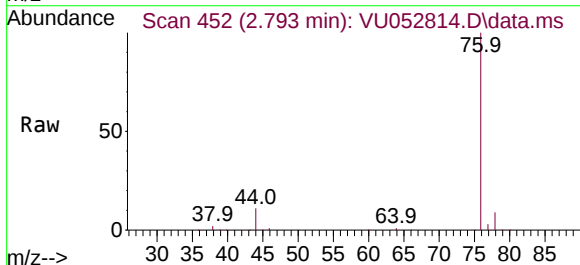
Acq: 26 Jan 2023 12:54

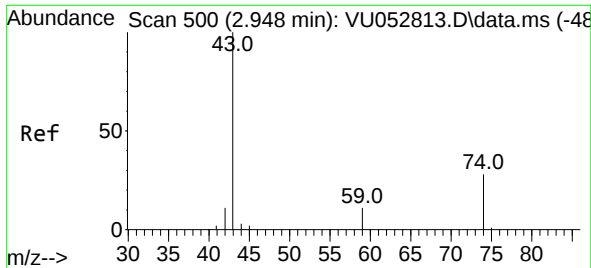
Tgt Ion: 76 Resp: 595488

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

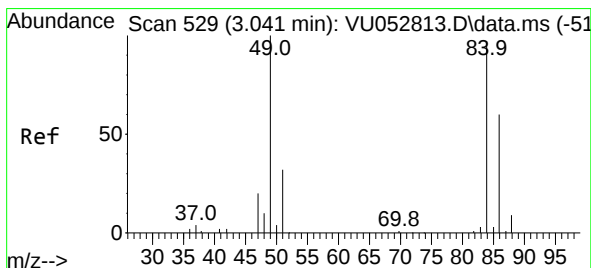
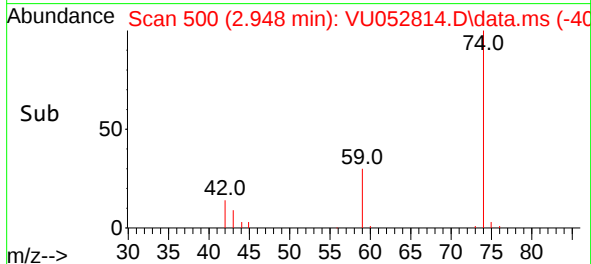
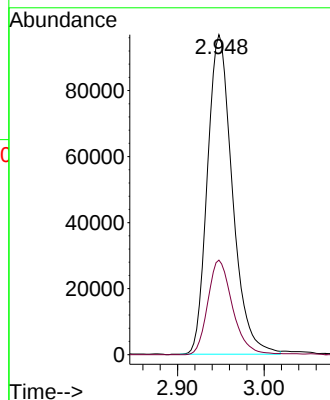
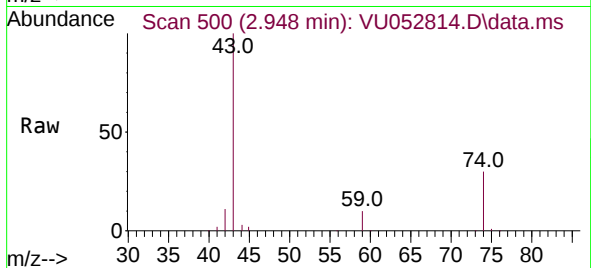




#15
Methyl Acetate
Concen: 63.094 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

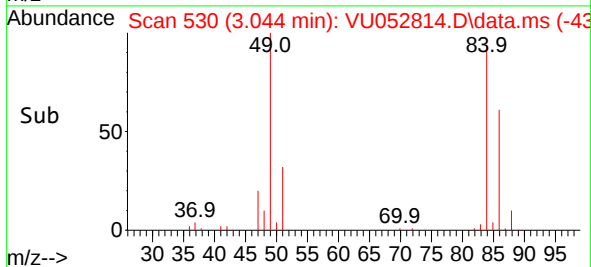
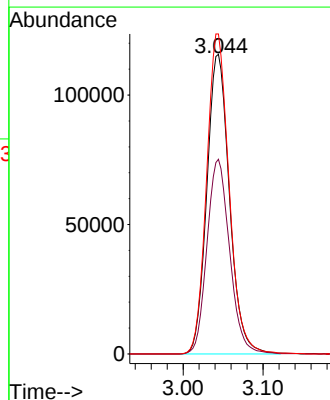
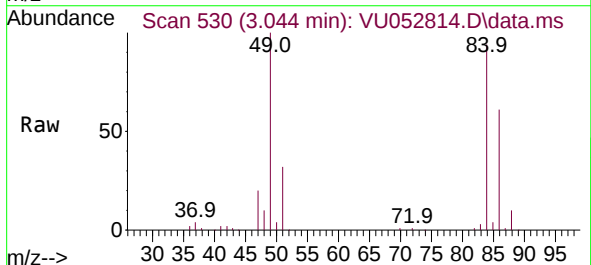
Instrument :
MSVOA_U
ClientSampleId :

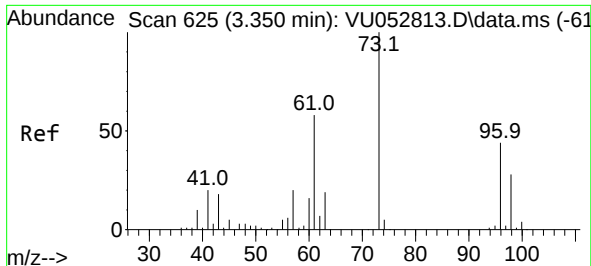
Tgt Ion: 43 Resp: 193733
Ion Ratio Lower Upper
43 100
74 29.2 22.0 33.0



#16
Methylene chloride
Concen: 83.911 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 84 Resp: 227676
Ion Ratio Lower Upper
84 100
86 65.0 43.4 80.6
49 106.8 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 98.622 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

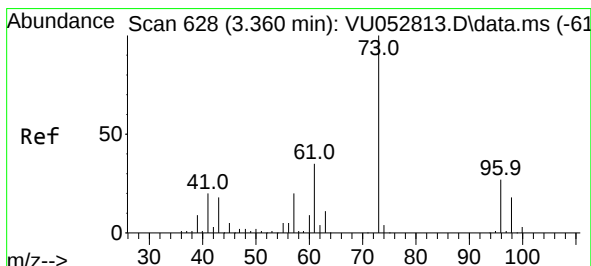
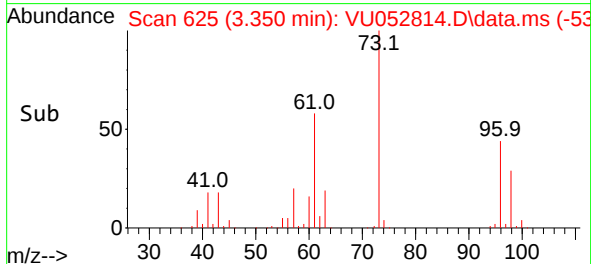
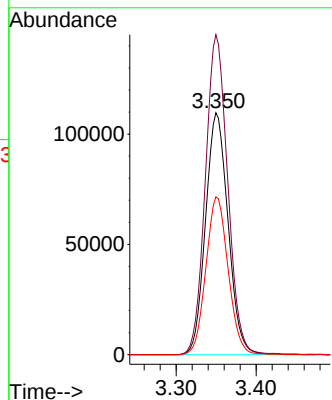
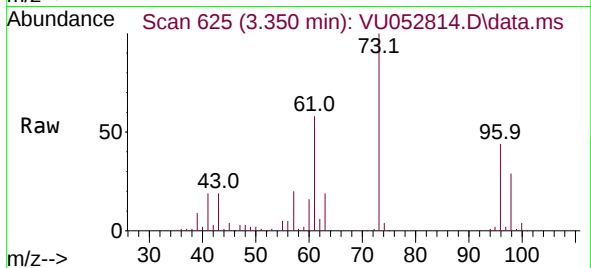
Tgt Ion: 96 Resp: 215196

Ion Ratio Lower Upper

96 100

61 132.3 92.7 172.3

98 65.3 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 95.436 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

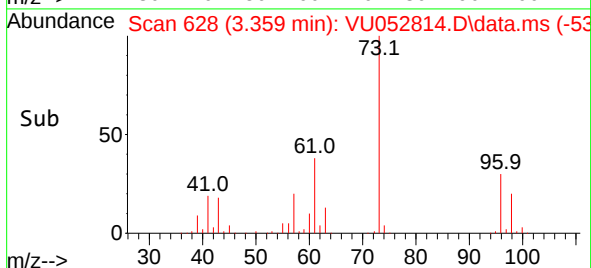
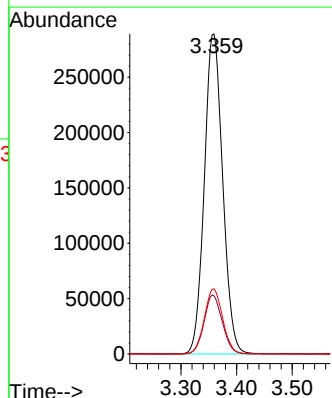
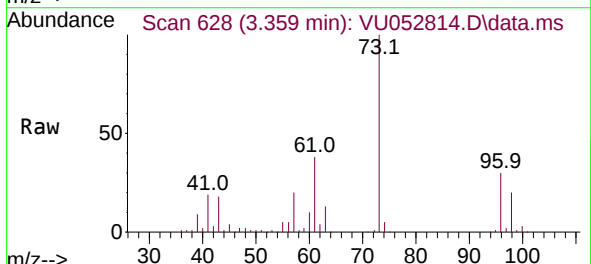
Tgt Ion: 73 Resp: 662955

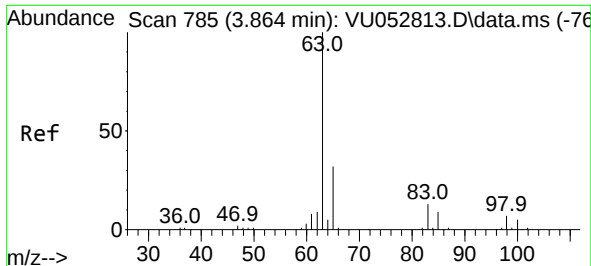
Ion Ratio Lower Upper

73 100

43 18.2 14.2 21.2

57 20.3 16.3 24.5





#19

1,1-Dichloroethane

Concen: 78.916 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

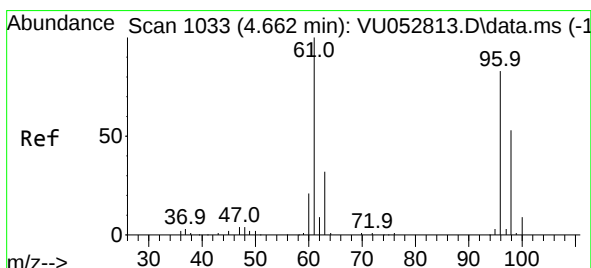
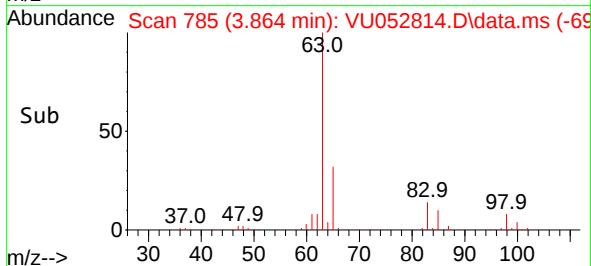
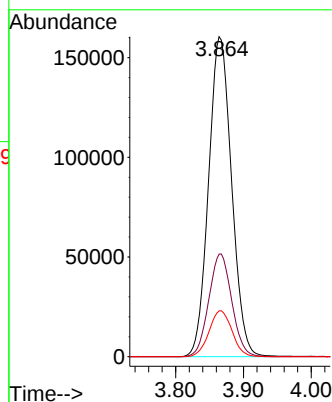
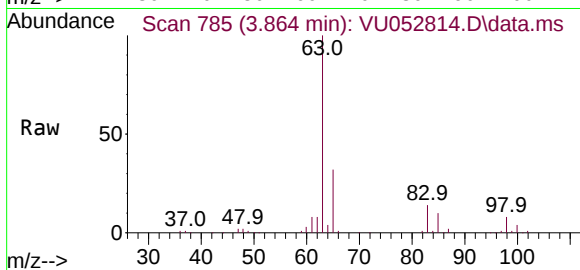
Tgt Ion: 63 Resp: 378909

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 14.3 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 98.482 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

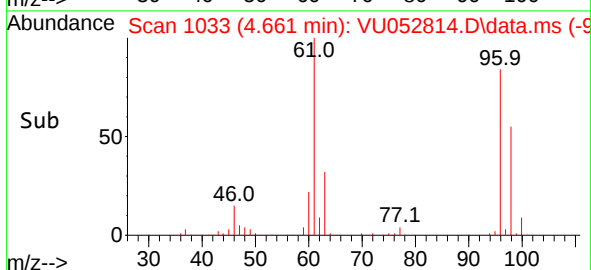
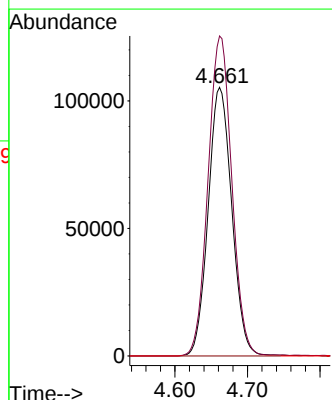
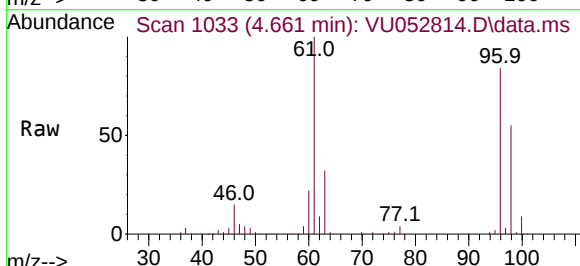
Tgt Ion: 96 Resp: 238707

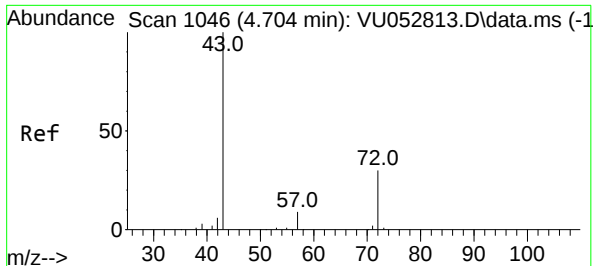
Ion Ratio Lower Upper

96 100

61 119.2 84.1 156.1

68 0.0 0.0 0.0

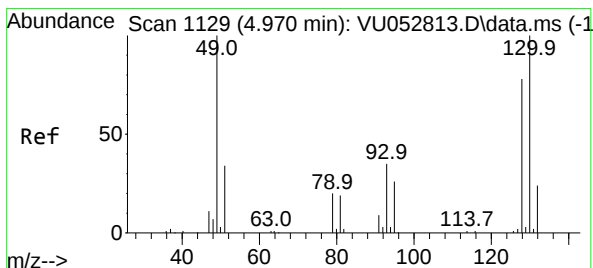
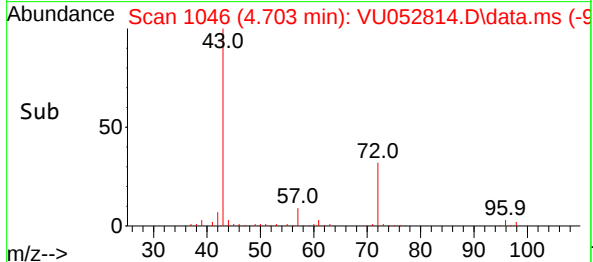
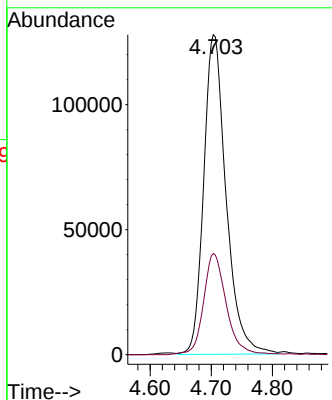
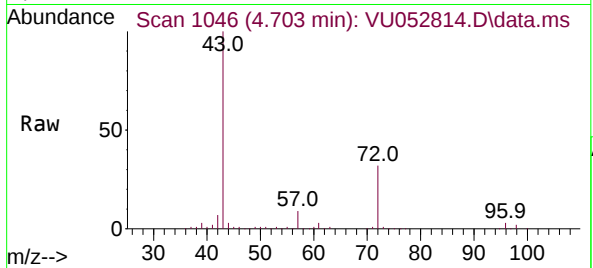




#22
2-Butanone
Concen: 139.707 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

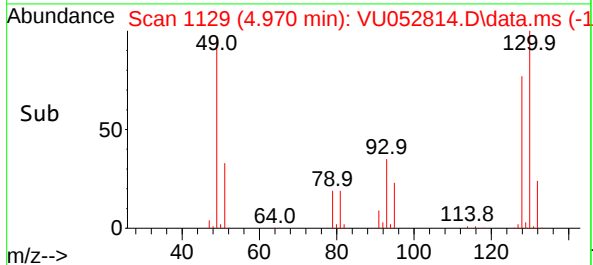
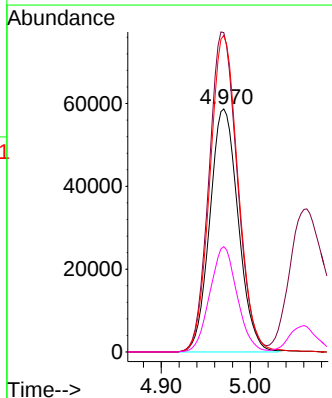
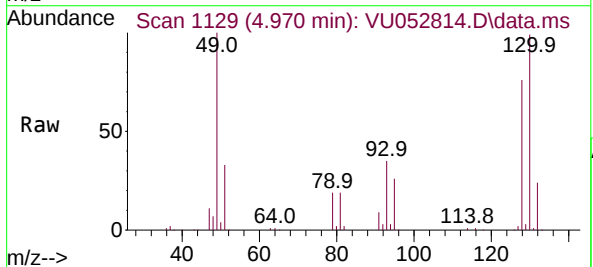
Instrument :
MSVOA_U
ClientSampleId :

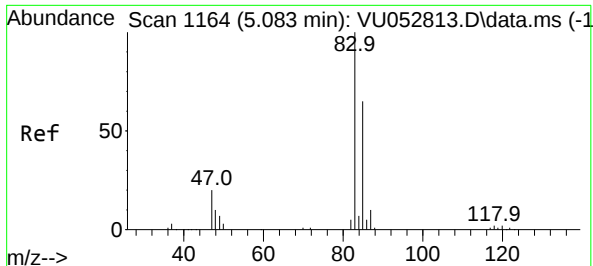
Tgt Ion: 43 Resp: 325179
Ion Ratio Lower Upper
43 100
72 32.1 15.5 46.5



#23
Bromochloromethane
Concen: 103.603 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion:128 Resp: 130113
Ion Ratio Lower Upper
128 100
49 131.3 90.1 167.3
130 130.1 90.1 167.3
51 43.3 35.0 52.6





#25

Chloroform

Concen: 90.547 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

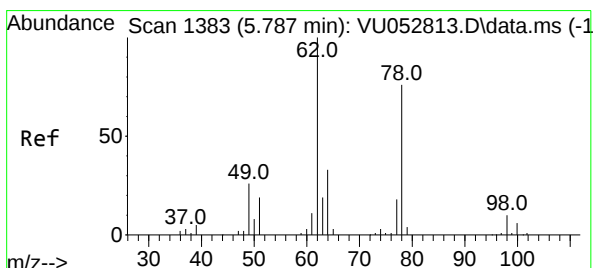
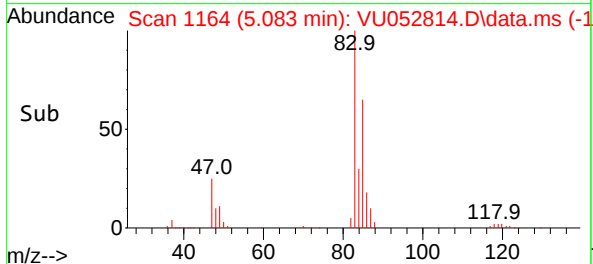
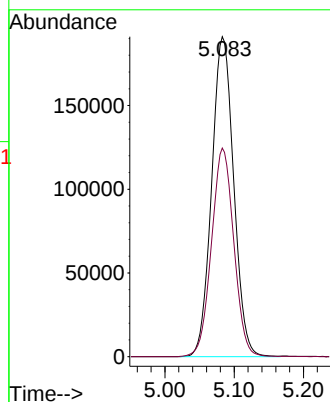
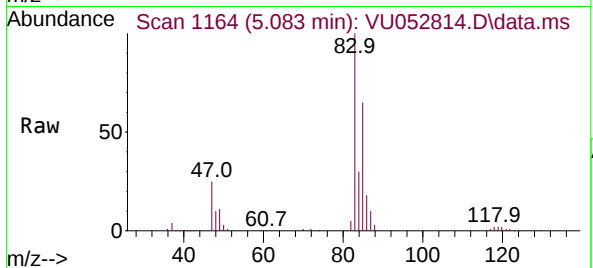
ClientSampleId :

Tgt Ion: 83 Resp: 421689

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 86.769 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052814.D

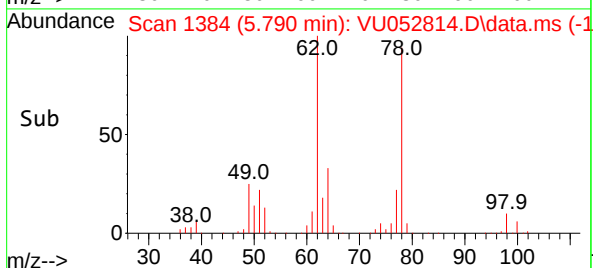
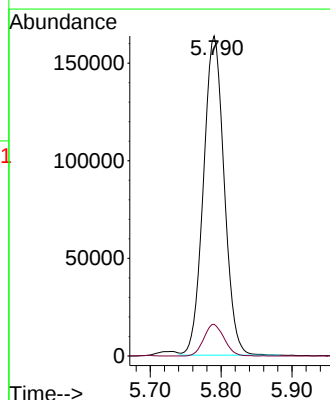
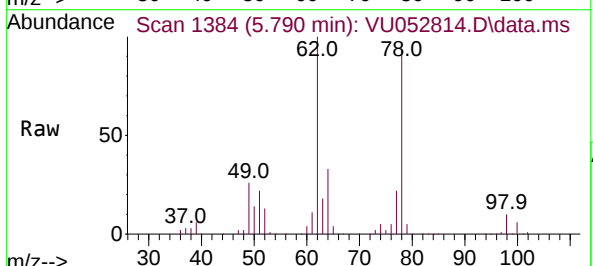
Acq: 26 Jan 2023 12:54

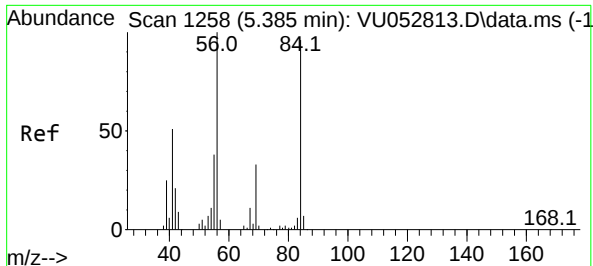
Tgt Ion: 62 Resp: 332377

Ion Ratio Lower Upper

62 100

98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 91.291 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

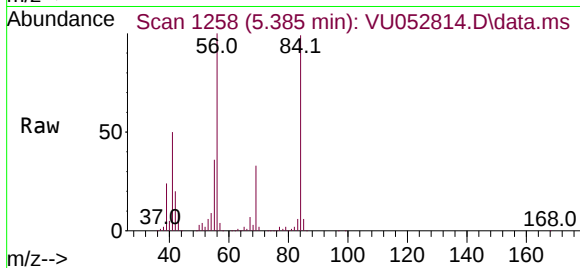
Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :



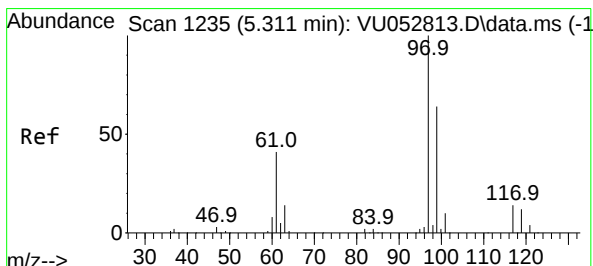
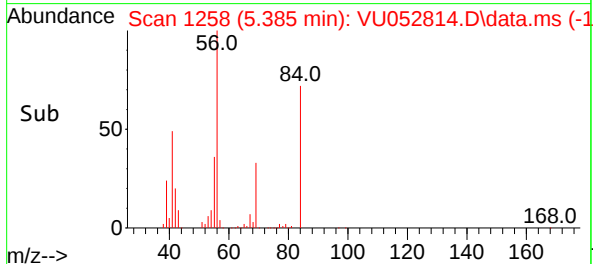
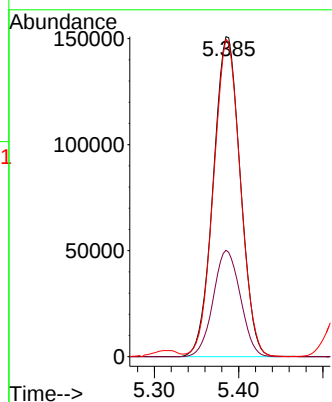
Tgt Ion: 56 Resp: 336750

Ion Ratio Lower Upper

56 100

69 33.2 26.6 40.0

84 98.2 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 102.977 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

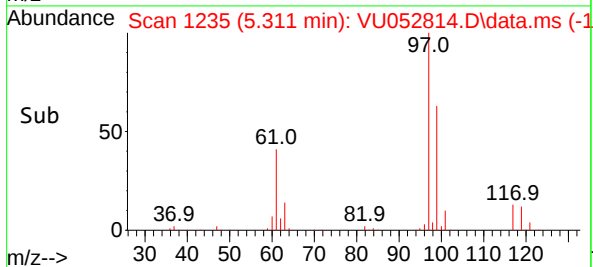
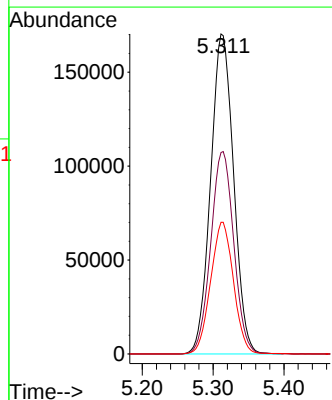
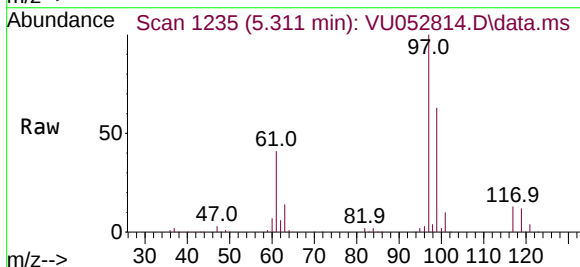
Tgt Ion: 97 Resp: 383737

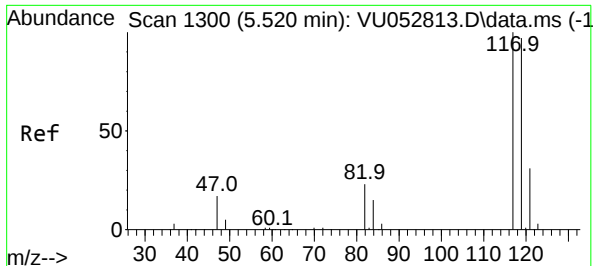
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

61 40.9 33.0 49.6

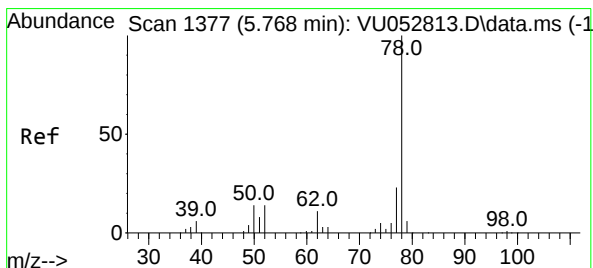
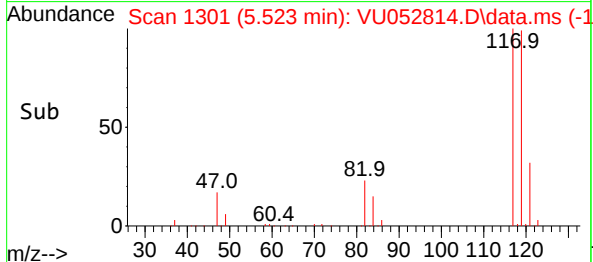
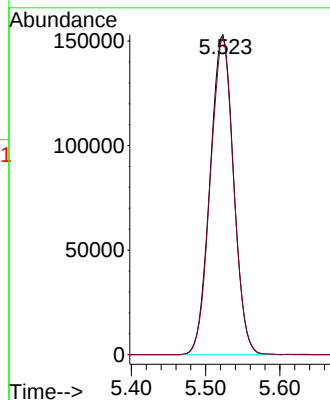
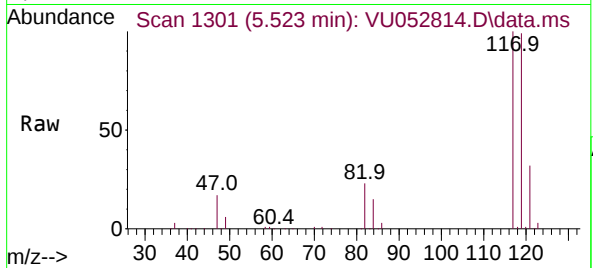




#31
Carbon tetrachloride
Concen: 107.681 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

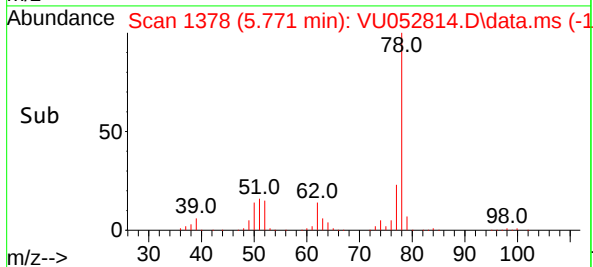
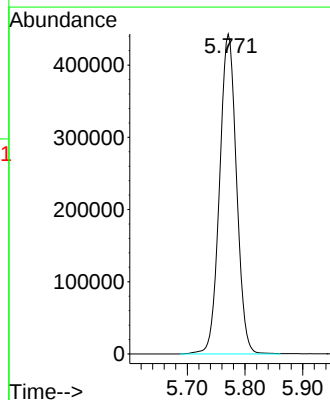
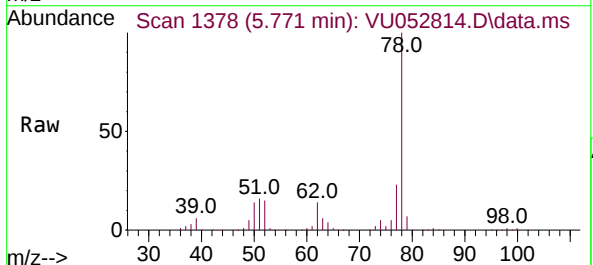
Instrument :
MSVOA_U
ClientSampleId :

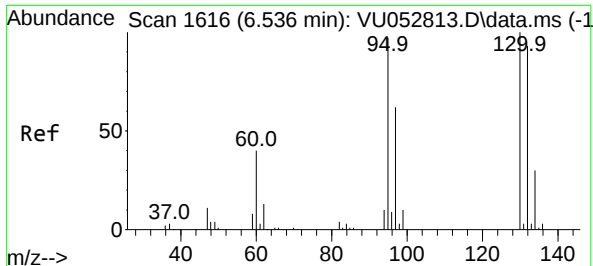
Tgt Ion:117 Resp: 336771
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#33
Benzene
Concen: 91.720 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 78 Resp: 902651

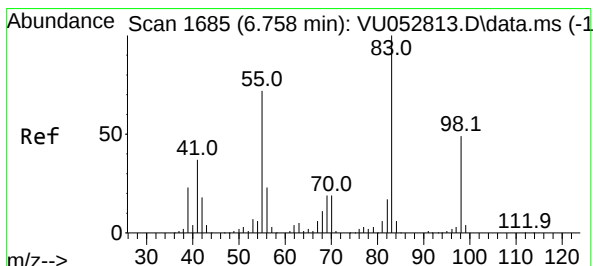
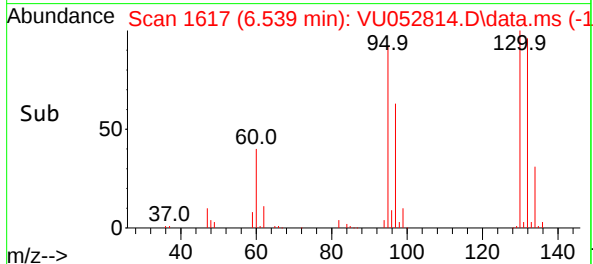
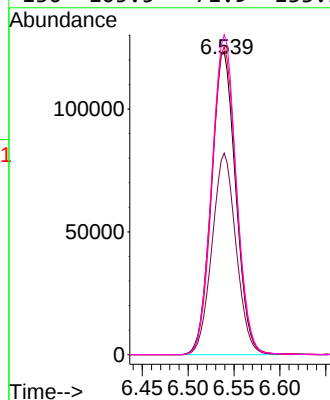
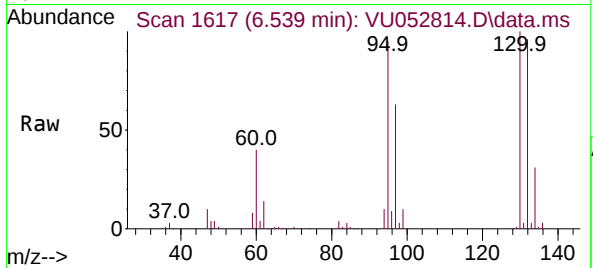




#34
Trichloroethene
Concen: 99.619 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

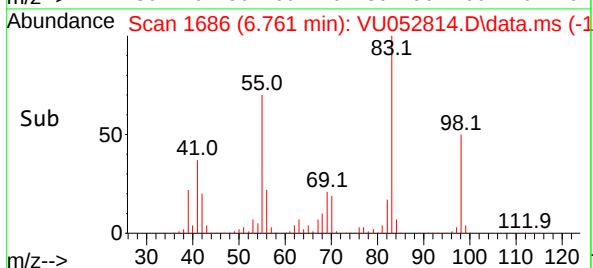
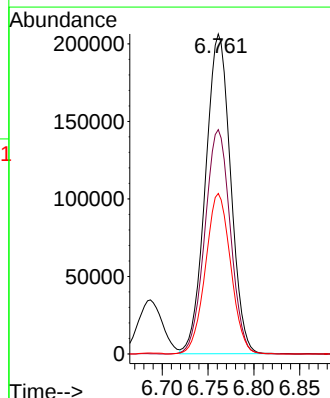
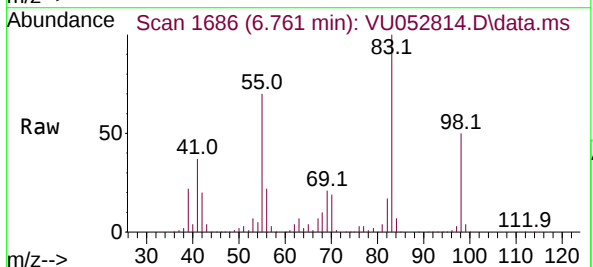
Instrument :
MSVOA_U
ClientSampleId :

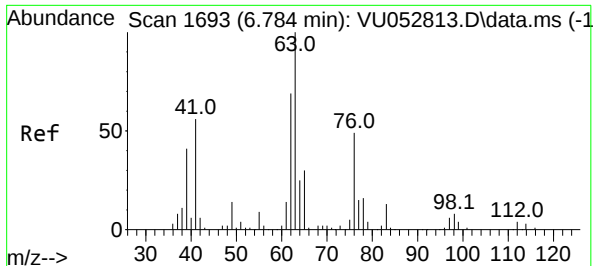
Tgt Ion: 95 Resp: 228279
Ion Ratio Lower Upper
95 100
97 66.5 44.5 82.7
132 101.6 66.8 124.0
130 105.5 71.9 133.5



#35
Methylcyclohexane
Concen: 108.369 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 83 Resp: 393235
Ion Ratio Lower Upper
83 100
55 71.0 57.1 85.7
98 50.5 38.9 58.3





#37

1,2-Dichloropropane

Concen: 78.724 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

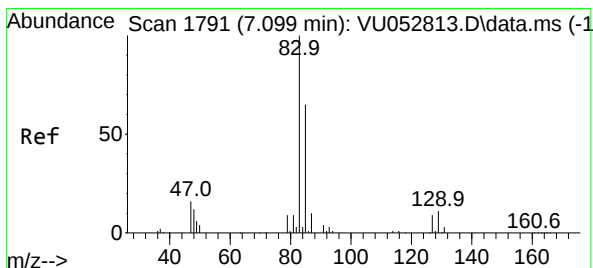
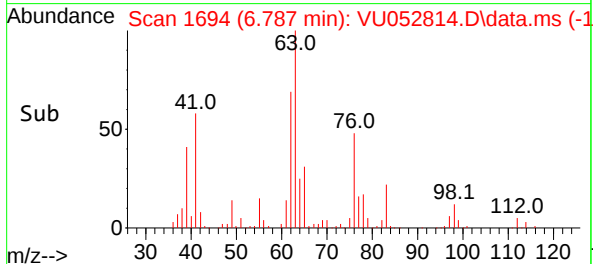
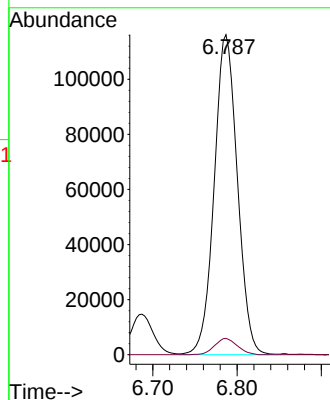
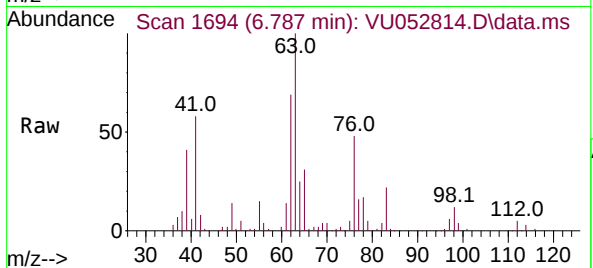
ClientSampleId :

Tgt Ion: 63 Resp: 221652

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 91.899 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

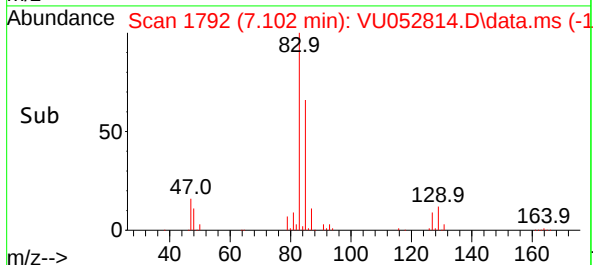
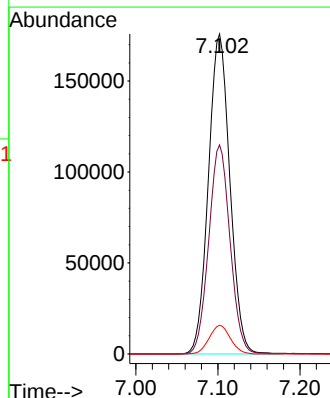
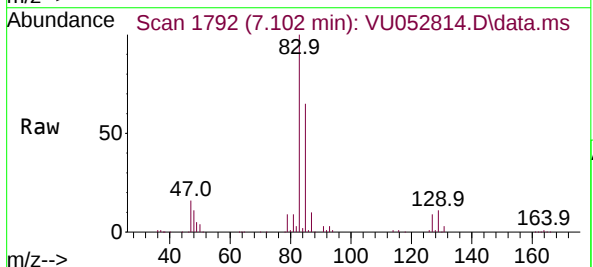
Tgt Ion: 83 Resp: 320438

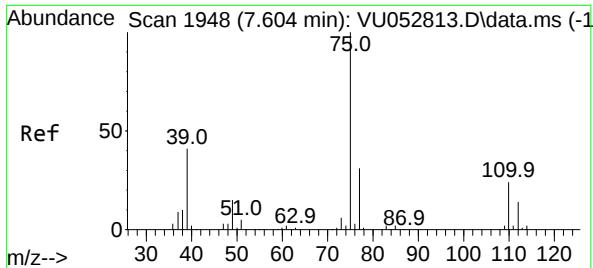
Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0

127 9.0 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 95.688 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

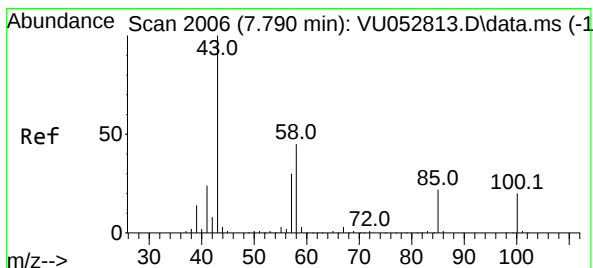
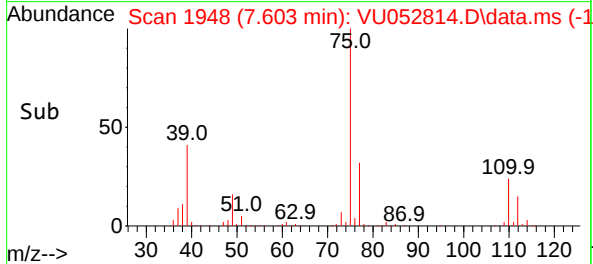
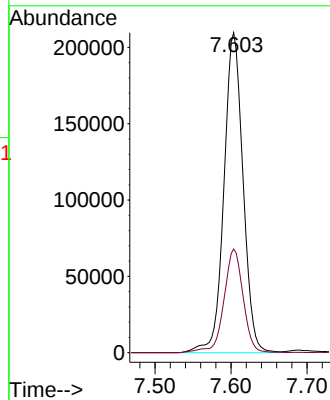
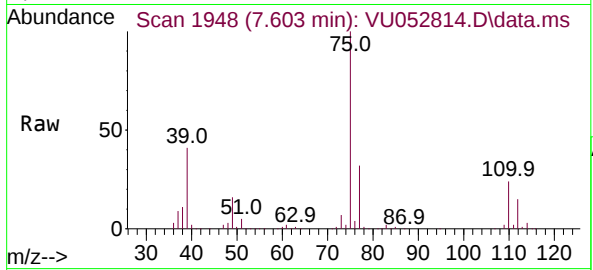
ClientSampleId :

Tgt Ion: 75 Resp: 366060

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 150.994 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.004 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

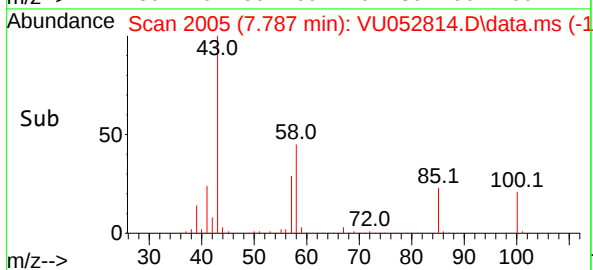
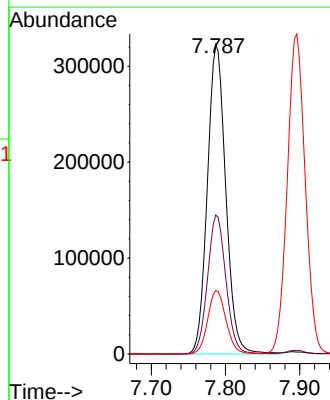
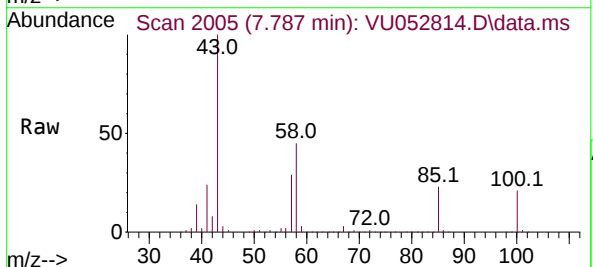
Tgt Ion: 43 Resp: 554307

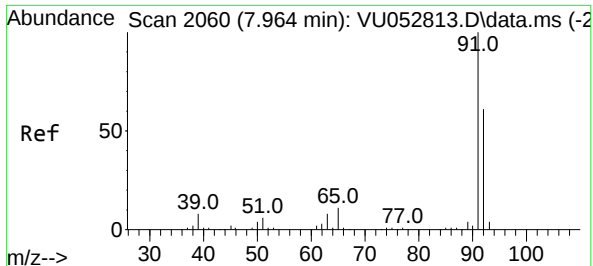
Ion Ratio Lower Upper

43 100

58 44.8 35.4 53.2

100 20.4 16.0 24.0





#42

Toluene

Concen: 100.826 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

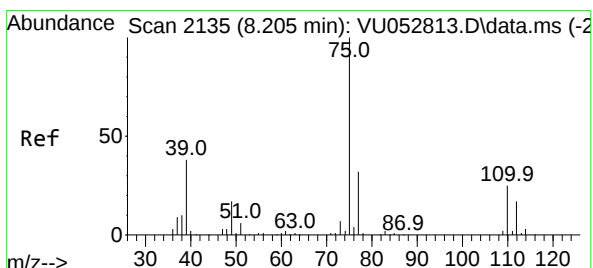
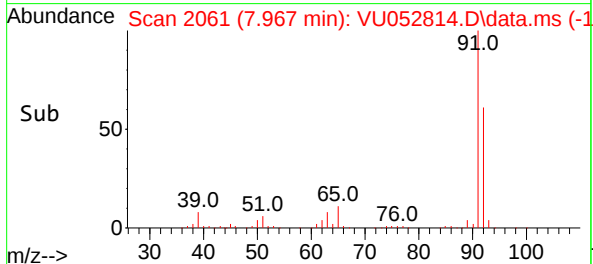
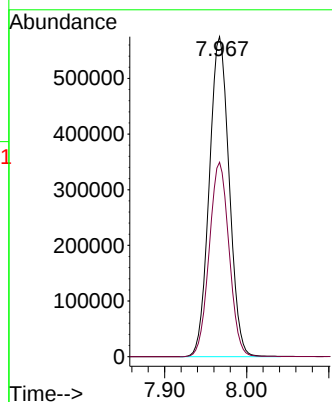
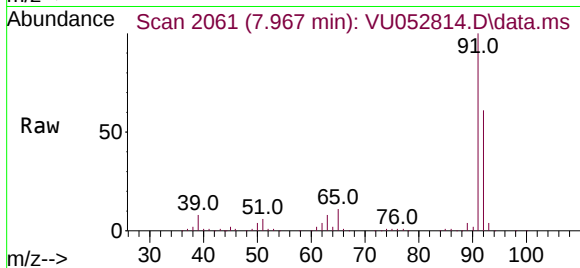
ClientSampleId :

Tgt Ion: 91 Resp: 968135

Ion Ratio Lower Upper

91 100

92 60.8 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 98.343 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052814.D

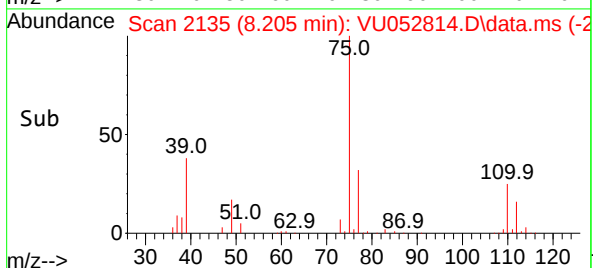
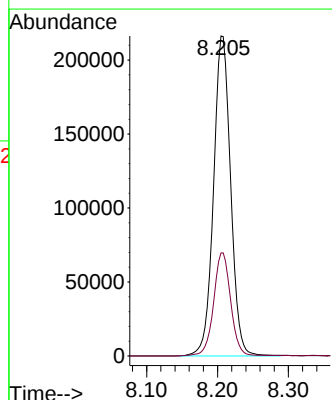
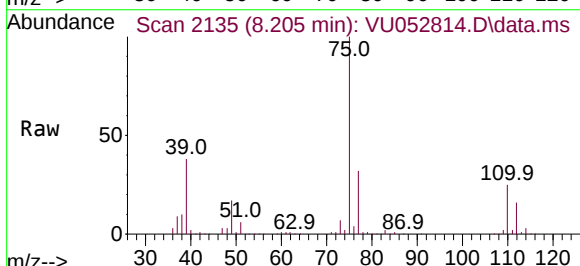
Acq: 26 Jan 2023 12:54

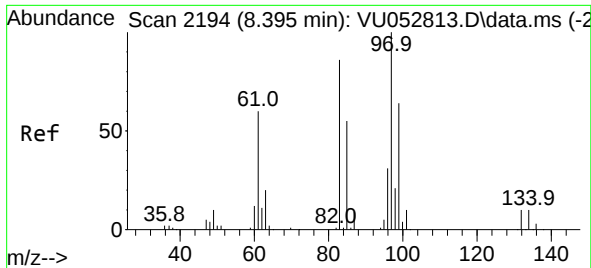
Tgt Ion: 75 Resp: 362861

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



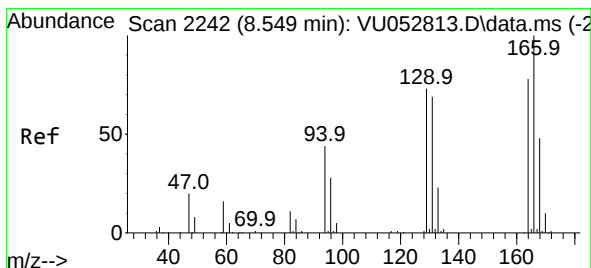
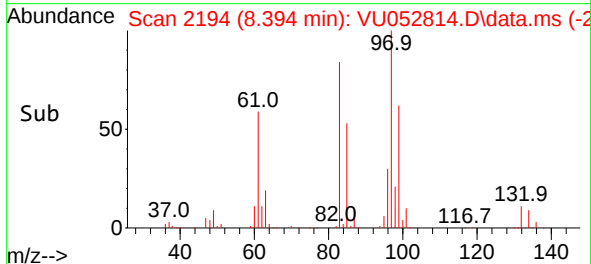
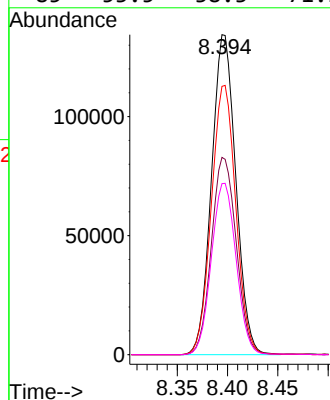
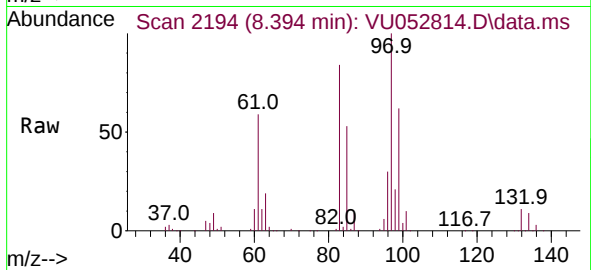


#45
1,1,2-Trichloroethane
Concen: 94.148 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 226204

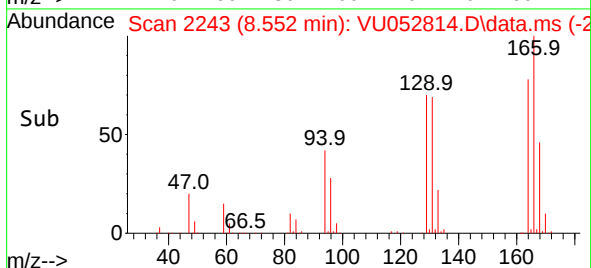
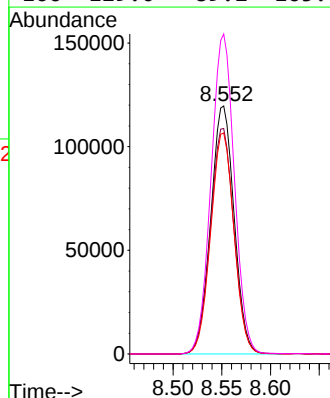
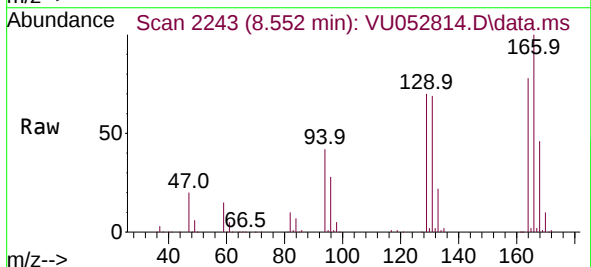
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.7	83.1
83	83.9	60.3	112.1
85	53.5	38.3	71.1

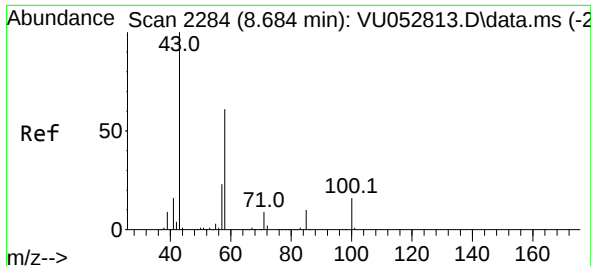


#46
Tetrachloroethene
Concen: 120.782 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 164 Resp: 199959

Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.8	120.3
131	89.1	61.2	113.6
166	129.0	89.2	165.8

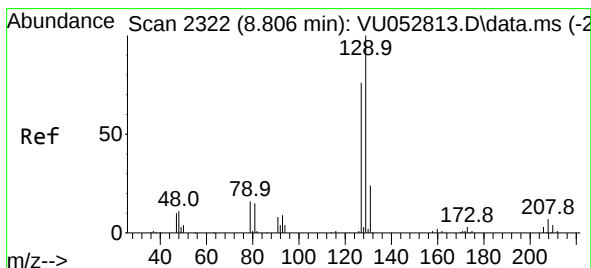
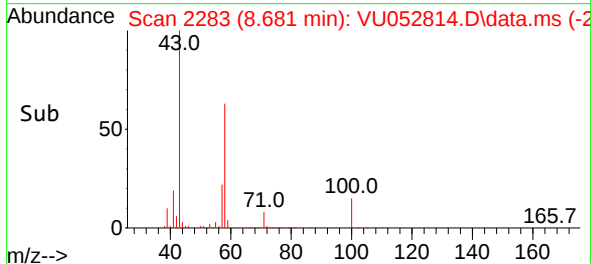
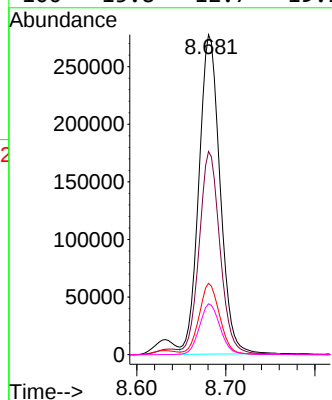
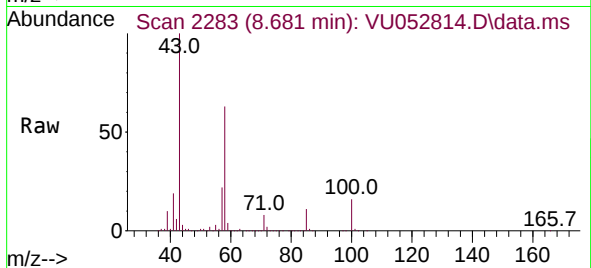




#48
2-Hexanone
Concen: 151.003 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

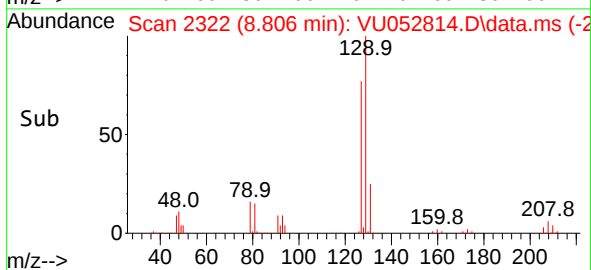
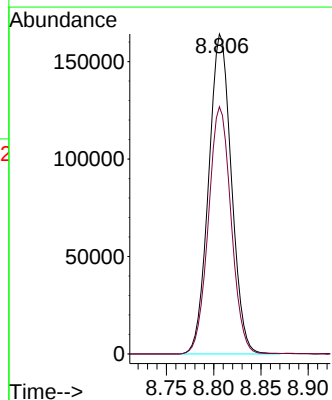
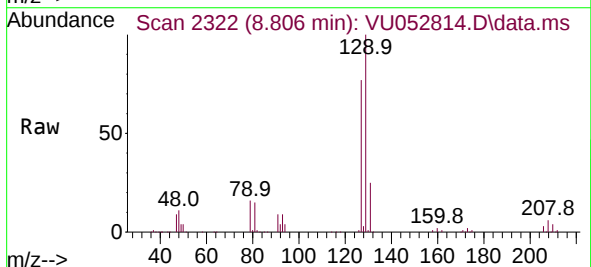
Instrument :
MSVOA_U
ClientSampleId :

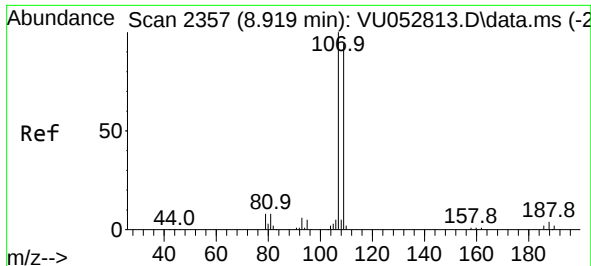
Tgt Ion: 43 Resp: 457323
Ion Ratio Lower Upper
43 100
58 62.8 48.0 72.0
57 21.8 16.8 25.2
100 15.8 12.7 19.1



#49
Dibromochloromethane
Concen: 107.196 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 129 Resp: 275618
Ion Ratio Lower Upper
129 100
127 77.2 53.2 98.8





#50

1,2-Dibromoethane

Concen: 101.699 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

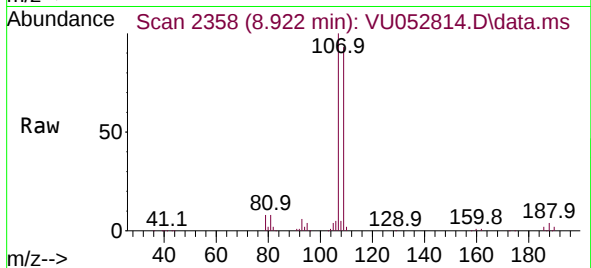
Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :



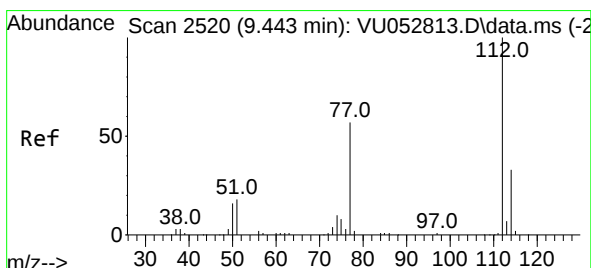
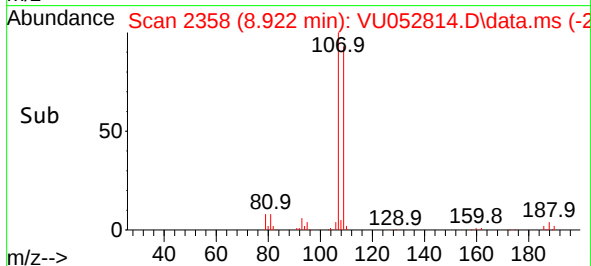
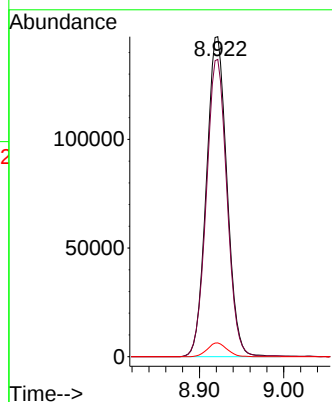
Tgt Ion:107 Resp: 249742

Ion Ratio Lower Upper

107 100

109 92.9 65.5 121.6

188 4.3 3.2 4.8



#51

Chlorobenzene

Concen: 103.919 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

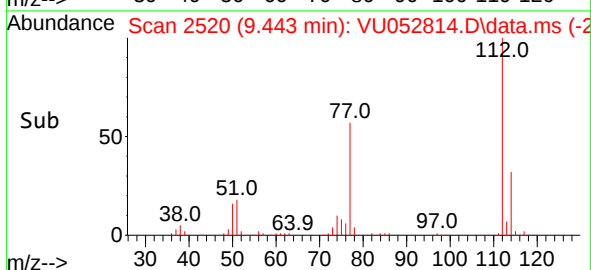
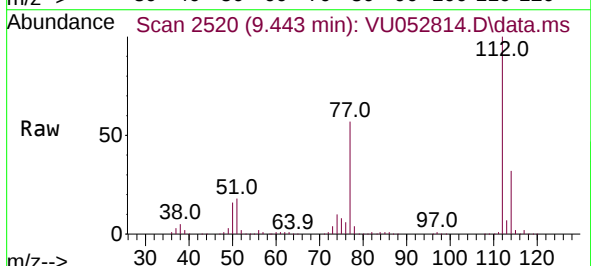
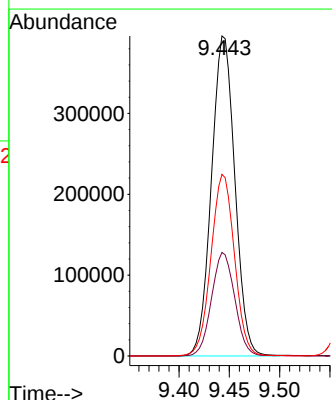
Tgt Ion:112 Resp: 641689

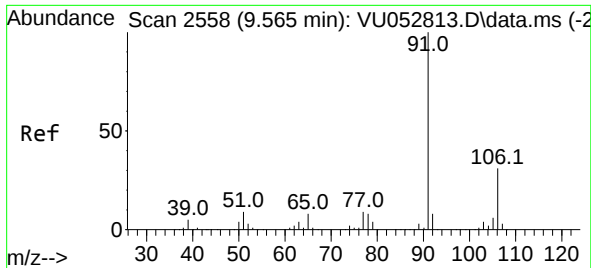
Ion Ratio Lower Upper

112 100

114 32.3 22.8 42.4

77 56.7 45.9 68.9

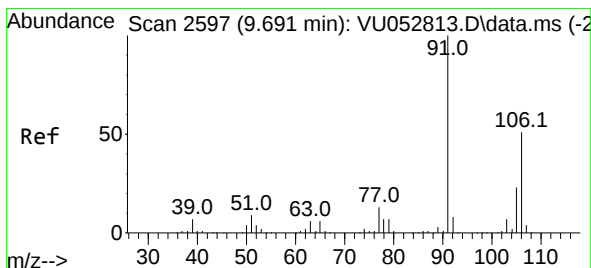
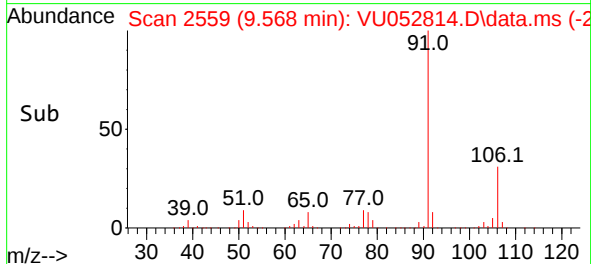
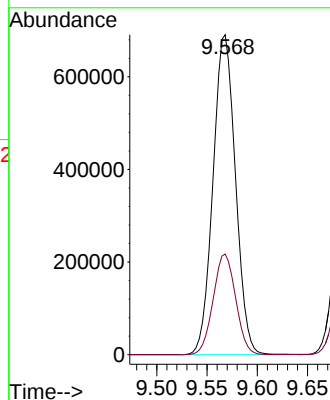
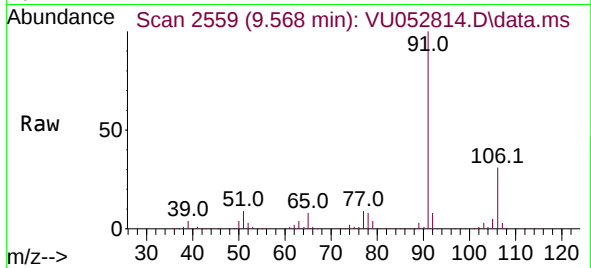




#52
Ethylbenzene
Concen: 107.236 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

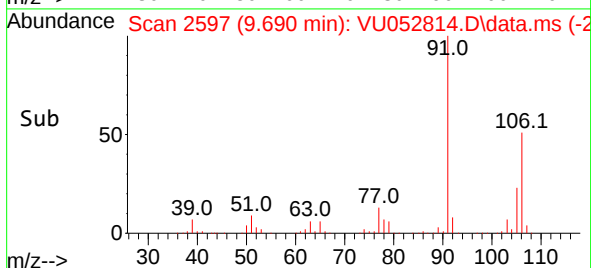
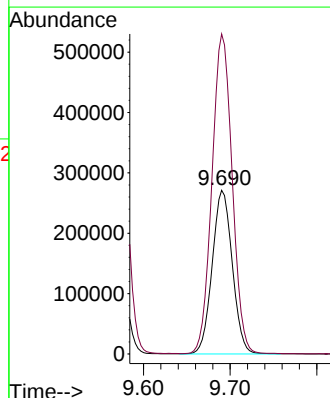
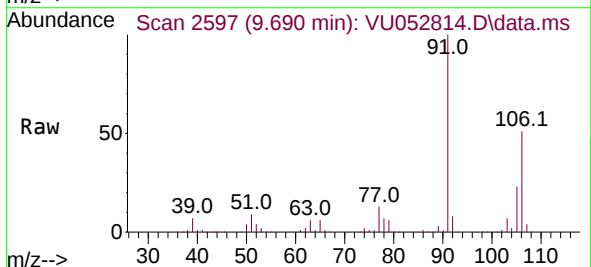
Instrument :
MSVOA_U
ClientSampleId :

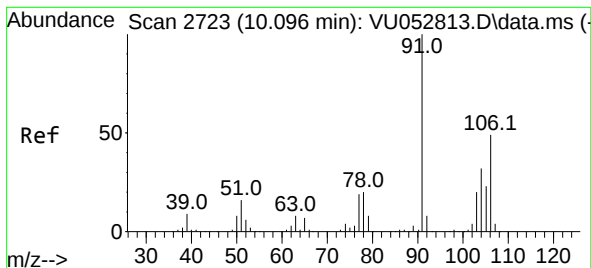
Tgt Ion: 91 Resp: 1073941
Ion Ratio Lower Upper
91 100
106 31.5 22.0 40.8



#53
m,p-Xylene
Concen: 115.084 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion:106 Resp: 436857
Ion Ratio Lower Upper
106 100
91 195.4 137.4 255.2





#54

o-xylene

Concen: 115.344 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

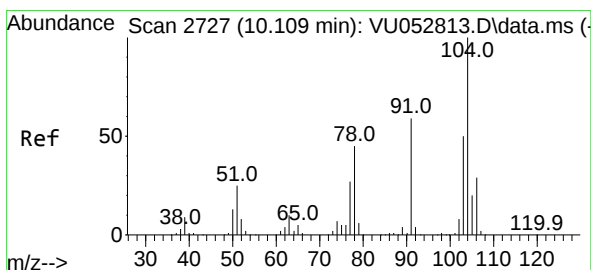
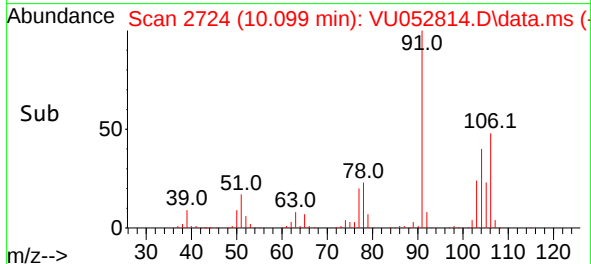
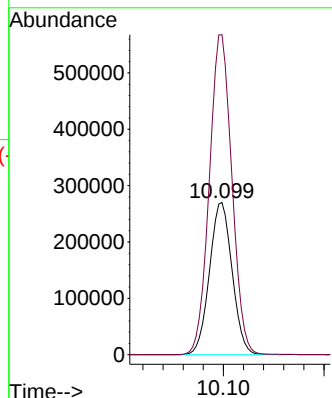
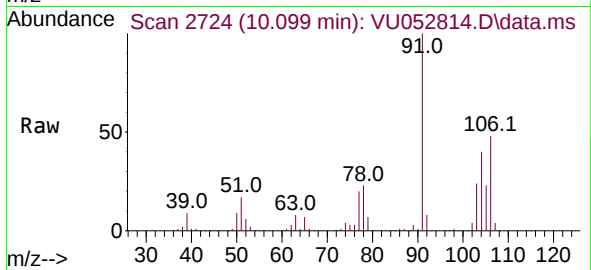
ClientSampleId :

Tgt Ion:106 Resp: 421614

Ion Ratio Lower Upper

106 100

91 210.2 143.4 266.2



#55

Styrene

Concen: 114.013 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU052814.D

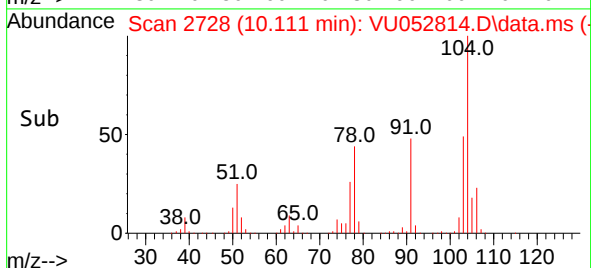
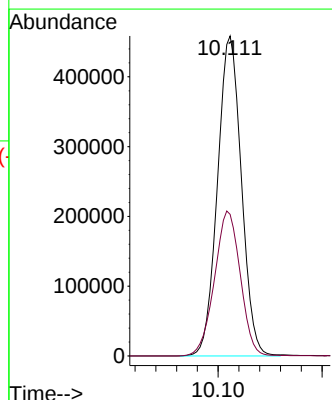
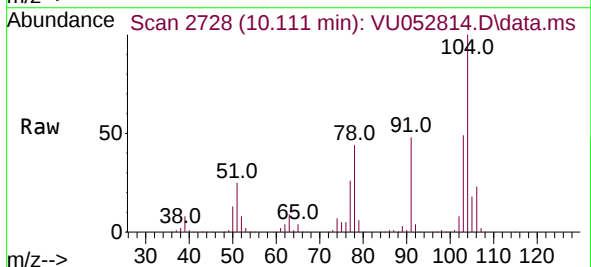
Acq: 26 Jan 2023 12:54

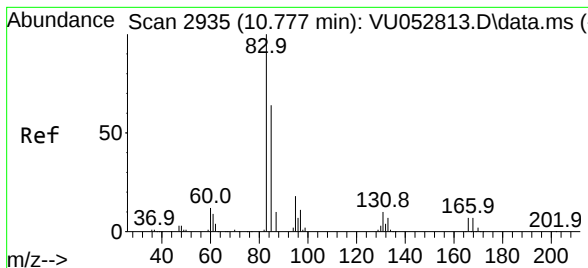
Tgt Ion:104 Resp: 732509

Ion Ratio Lower Upper

104 100

78 44.3 31.9 59.2

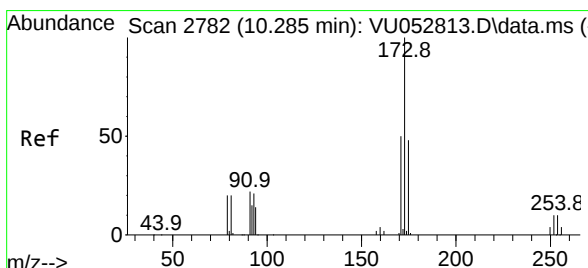
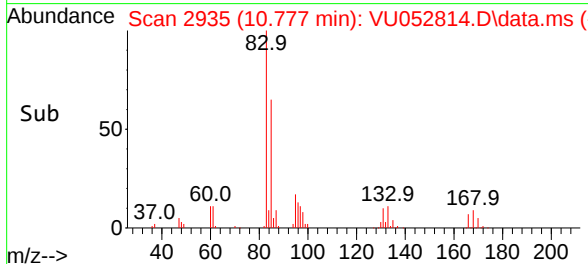
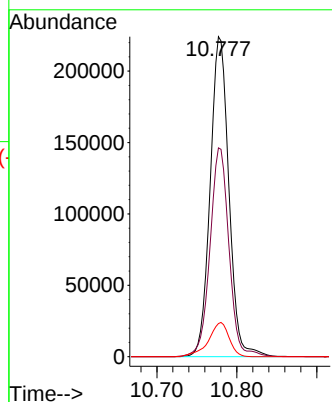
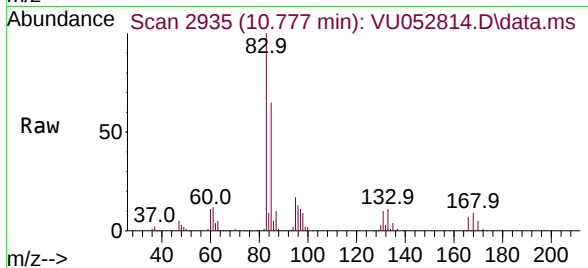




#57
 1,1,2,2-Tetrachloroethane
 Concen: 85.079 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU052814.D
 Acq: 26 Jan 2023 12:54

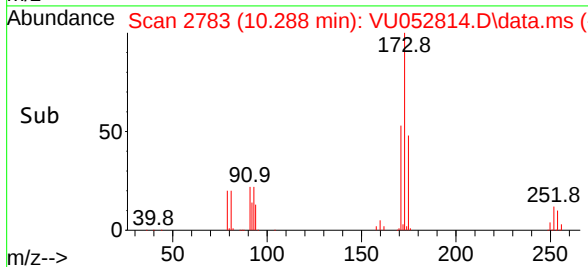
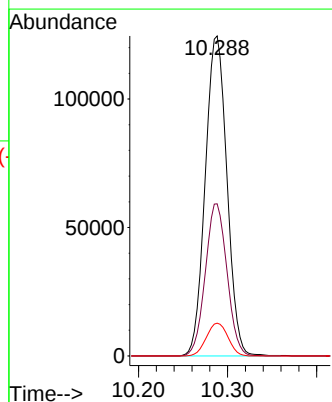
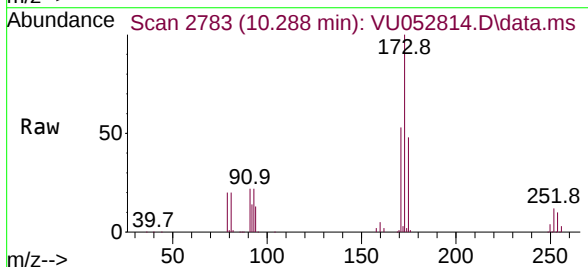
Instrument :
 MSVOA_U
 ClientSampleId :

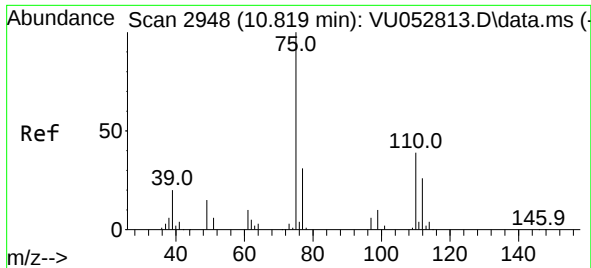
Tgt Ion: 83 Resp: 364192
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.0 83.6
 131 10.4 8.6 12.8



#59
 Bromoform
 Concen: 105.124 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU052814.D
 Acq: 26 Jan 2023 12:54

Tgt Ion:173 Resp: 210503
 Ion Ratio Lower Upper
 173 100
 175 47.5 37.7 56.5
 254 10.2 8.3 12.5

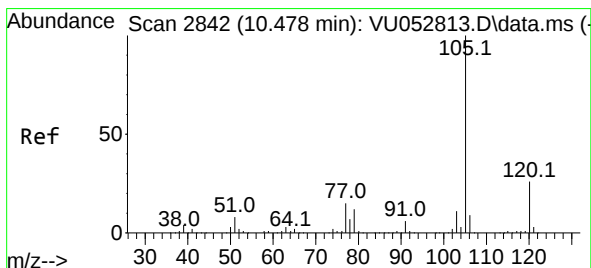
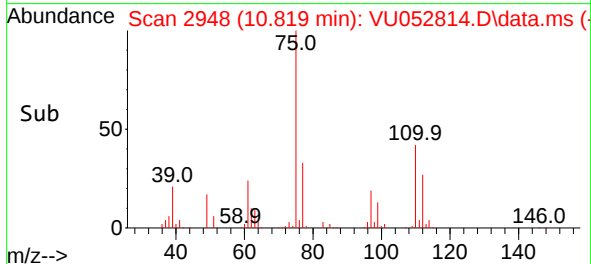
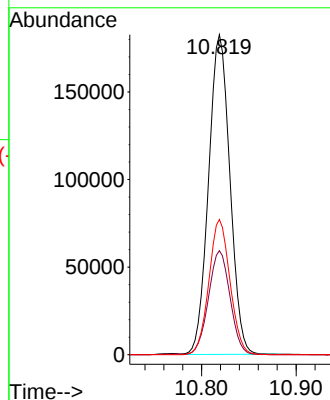
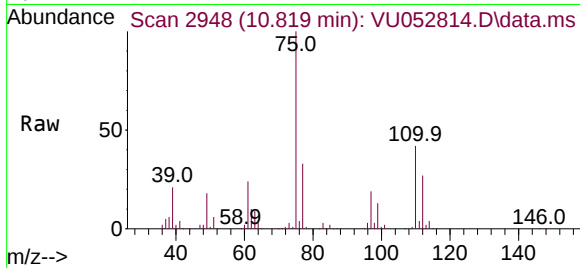




#60
1,2,3-Trichloropropane
Concen: 76.662 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

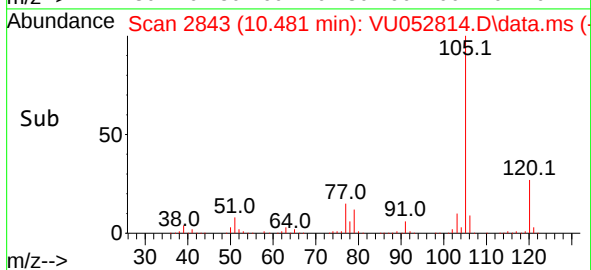
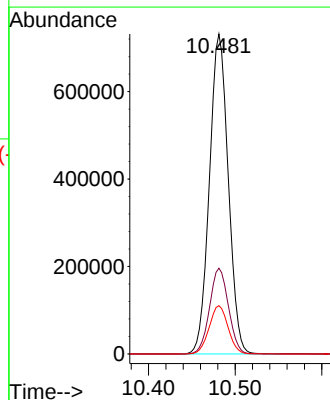
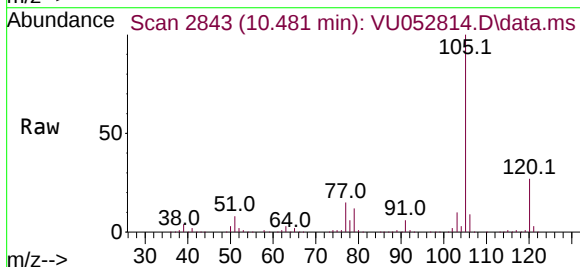
Instrument :
MSVOA_U
ClientSampleId :

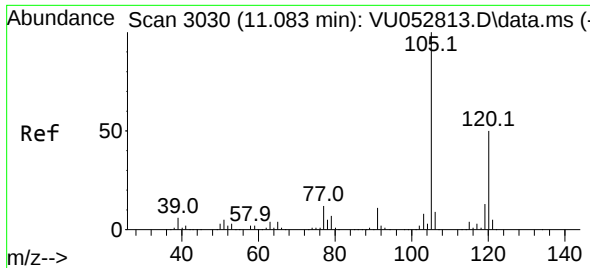
Tgt Ion: 75 Resp: 286442
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8
110 41.8 32.4 48.6



#61
Isopropylbenzene
Concen: 106.609 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 105 Resp: 1104313
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 15.2 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 113.170 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

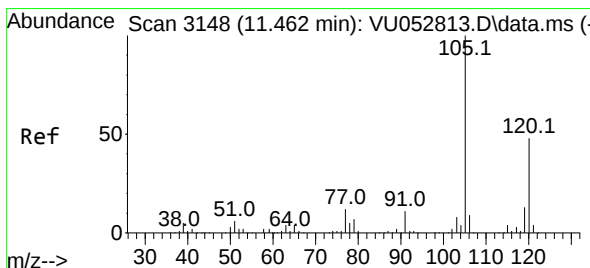
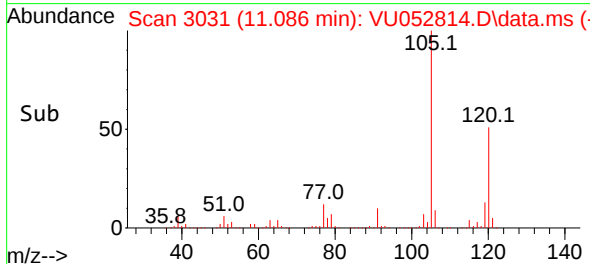
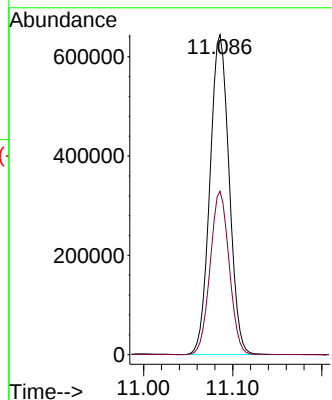
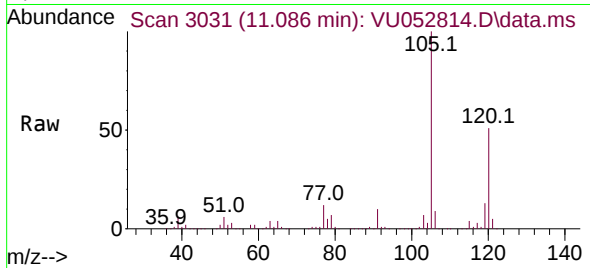
ClientSampleId :

Tgt Ion:105 Resp: 962391

Ion Ratio Lower Upper

105 100

120 50.7 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 113.142 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052814.D

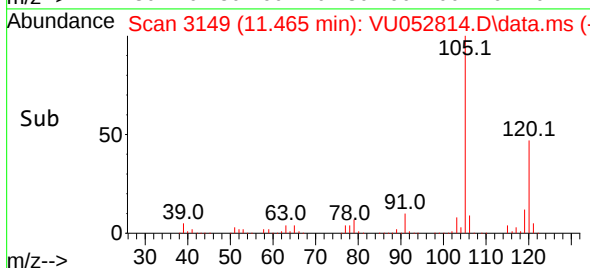
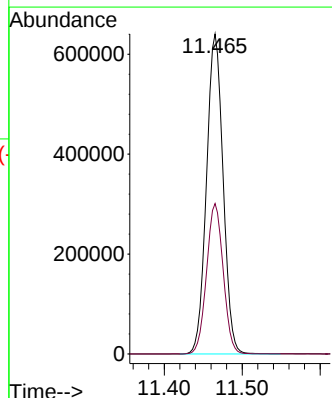
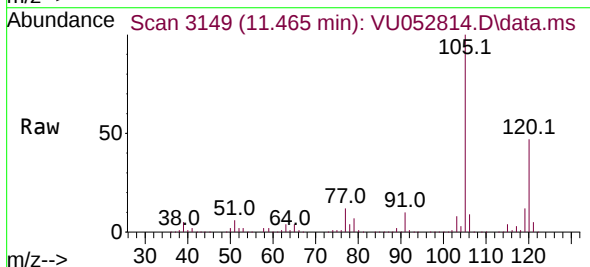
Acq: 26 Jan 2023 12:54

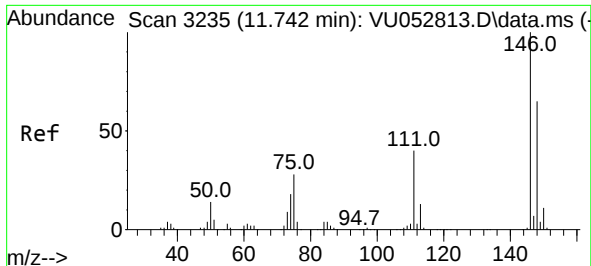
Tgt Ion:105 Resp: 947456

Ion Ratio Lower Upper

105 100

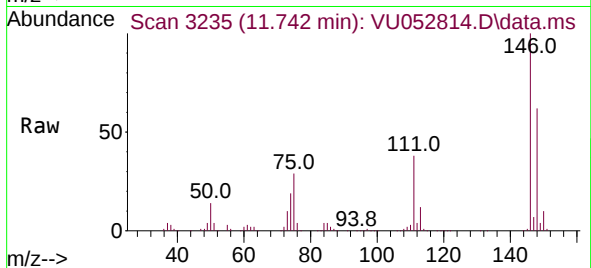
120 47.0 38.1 57.1



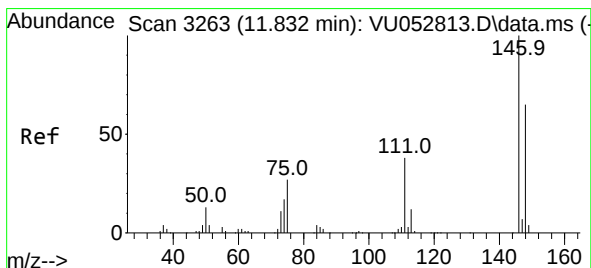
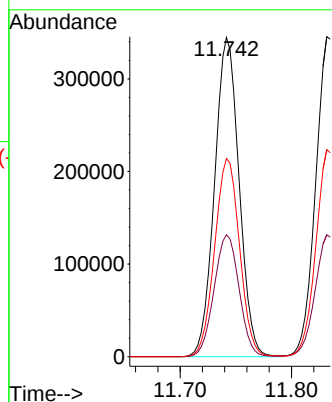
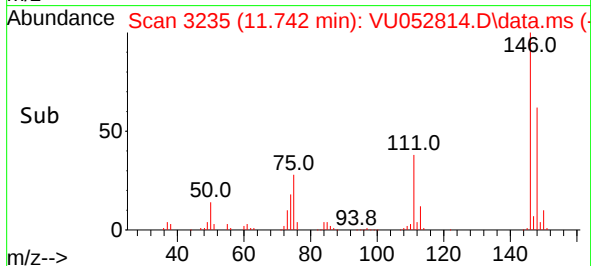


#64
1,3-Dichlorobenzene
Concen: 105.719 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

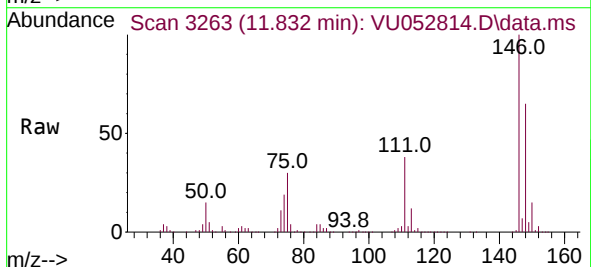
Instrument :
MSVOA_U
ClientSampleId :



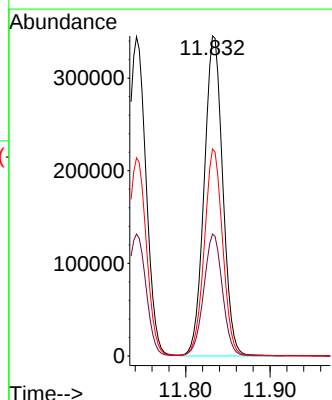
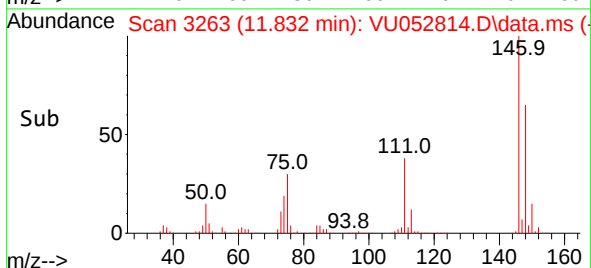
Tgt Ion:146 Resp: 527193
Ion Ratio Lower Upper
146 100
111 38.2 27.8 51.6
148 62.1 45.5 84.5

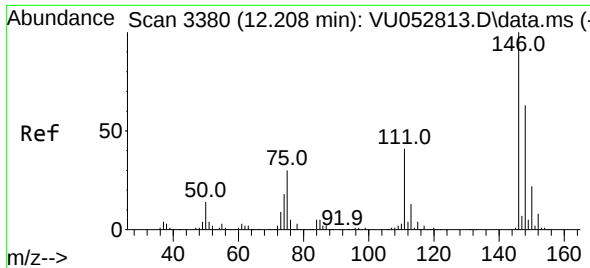


#65
1,4-Dichlorobenzene
Concen: 101.209 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54



Tgt Ion:146 Resp: 530963
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.7
148 64.7 45.6 84.6

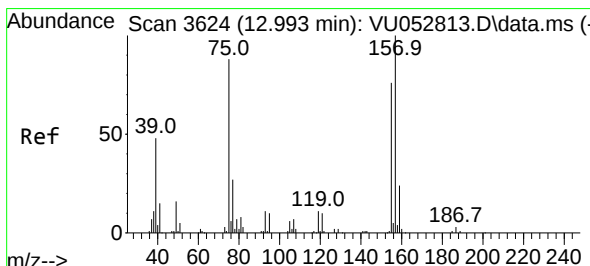
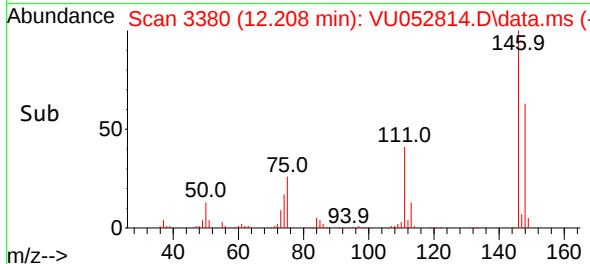
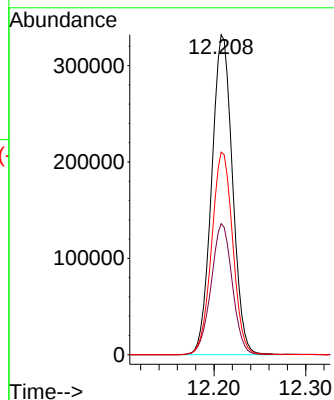
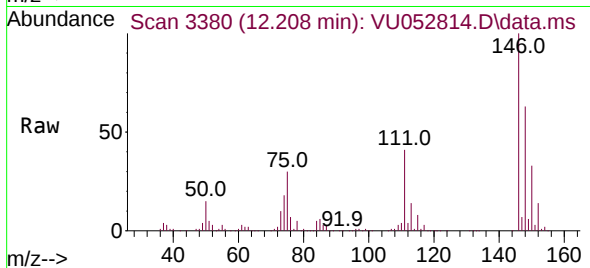




#67
1,2-Dichlorobenzene
Concen: 101.982 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

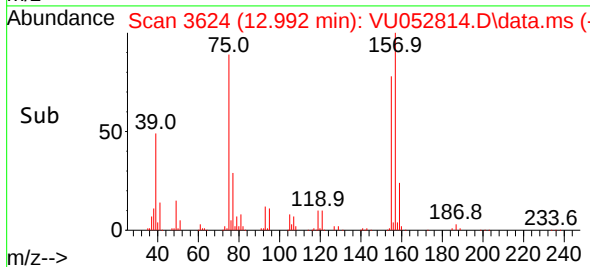
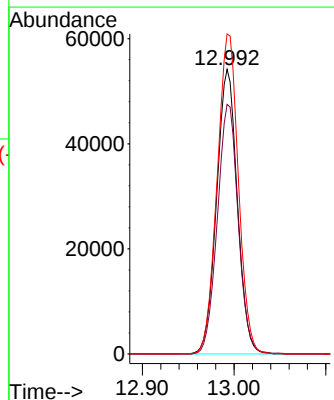
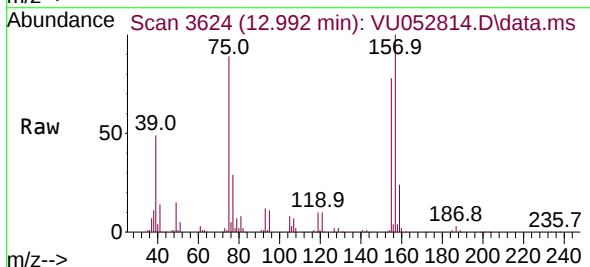
Instrument :
MSVOA_U
ClientSampleId :

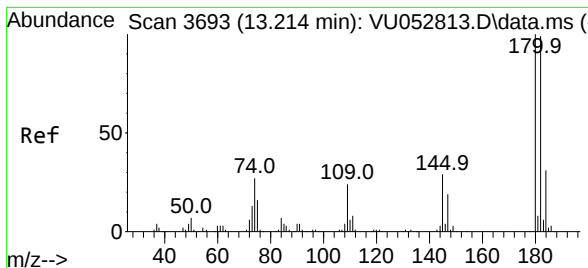
Tgt Ion:146 Resp: 524092
Ion Ratio Lower Upper
146 100
111 41.0 33.2 49.8
148 63.3 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 81.418 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052814.D
Acq: 26 Jan 2023 12:54

Tgt Ion: 75 Resp: 85038
Ion Ratio Lower Upper
75 100
155 87.7 69.2 103.8
157 112.4 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 113.023 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

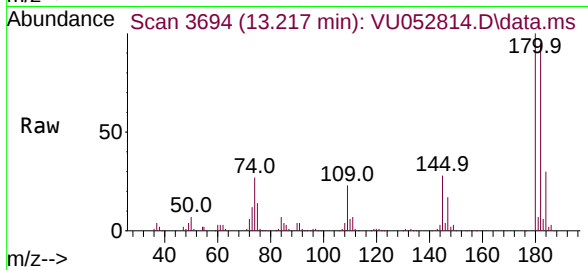
Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 401971

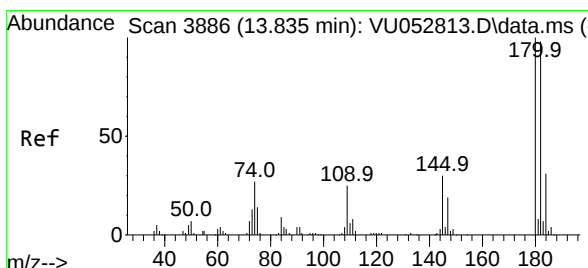
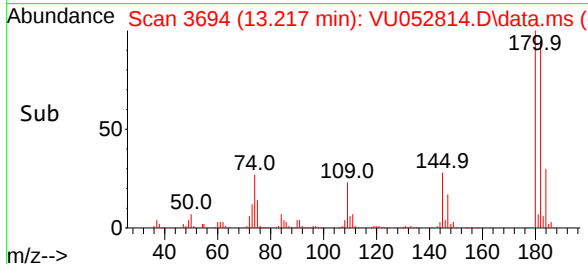
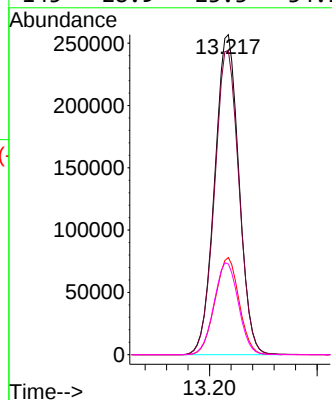
Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

184 30.2 24.4 36.6

145 28.9 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 114.746 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

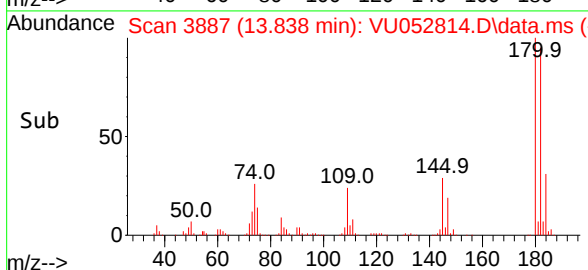
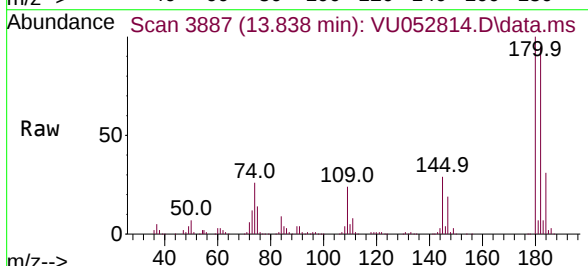
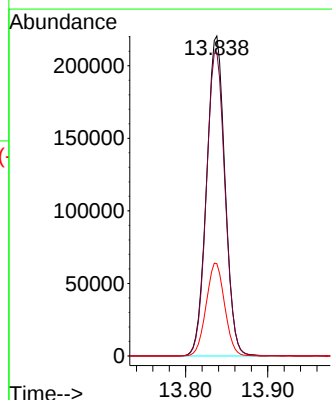
Tgt Ion:180 Resp: 344780

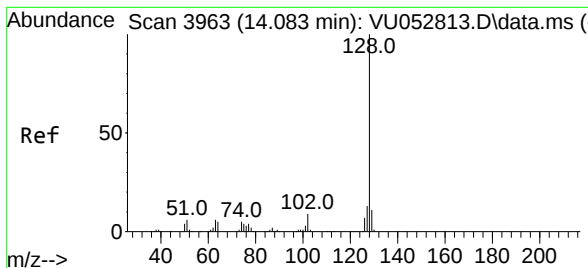
Ion Ratio Lower Upper

180 100

182 96.2 78.2 117.2

145 29.2 23.4 35.2





#71

Naphthalene

Concen: 112.558 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

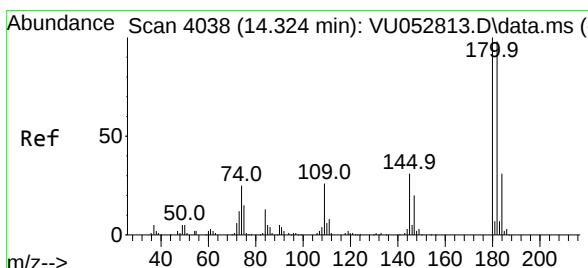
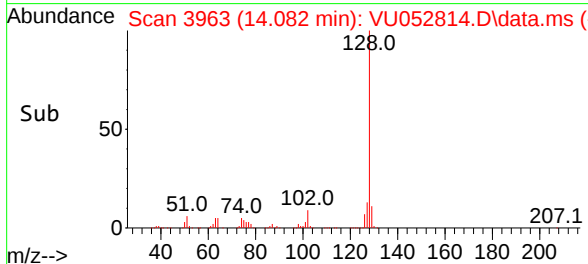
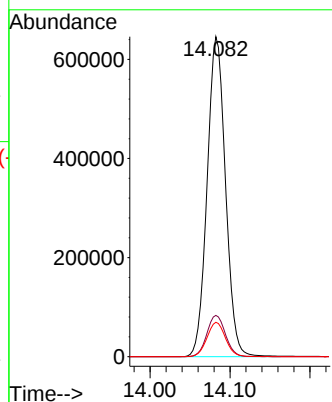
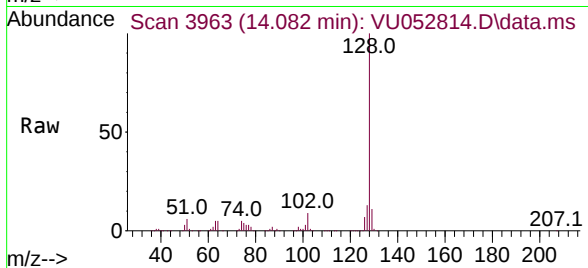
Tgt Ion:128 Resp: 1032426

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 114.827 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU052814.D

Acq: 26 Jan 2023 12:54

Tgt Ion:180 Resp: 355872

Ion Ratio Lower Upper

180 100

182 96.6 77.5 116.3

145 31.3 24.2 36.4

