

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052829.D
 Acq On : 26 Jan 2023 20:22
 Operator : JC/MD
 Sample : 01316-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:36:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	272032	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	258817	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	150878	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82604	42.189	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.380%		
7) Chloroethane-d5	1.906	69	72272	44.797	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.600%		
11) 1,1-Dichloroethene-d2	2.565	63	174120	44.711	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.420%		
21) 2-Butanone-d5	4.620	46	114338	94.530	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.530%		
24) Chloroform-d	5.057	84	194920	46.647	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
26) 1,2-Dichloroethane-d4	5.694	65	123919	46.444	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.880%		
32) Benzene-d6	5.723	84	370400	46.843	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.680%		
36) 1,2-Dichloropropane-d6	6.684	67	108879	46.949	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.900%		
41) Toluene-d8	7.893	98	340347	47.268	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.540%		
43) trans-1,3-Dichloroprop...	8.176	79	55626	47.856	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.720%		
47) 2-Hexanone-d5	8.629	63	83985	103.067	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	162422	47.403	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.800%		
66) 1,2-Dichlorobenzene-d4	12.189	152	138564	47.297	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	114174	44.822	ug/L	98
3) Chloromethane	1.520	50	95501	45.457	ug/L	99
5) Vinyl chloride	1.604	62	103609	44.579	ug/L	100
6) Bromomethane	1.855	94	66199	45.163	ug/L	99
8) Chloroethane	1.929	64	66565	45.598	ug/L	96
9) Trichlorofluoromethane	2.134	101	174263	44.765	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95584	43.561	ug/L	99
12) 1,1-Dichloroethene	2.578	96	91027	45.233	ug/L	99
13) Acetone	2.626	43	83607	56.597	ug/L	98
14) Carbon disulfide	2.790	76	261333	42.997	ug/L	100
15) Methyl Acetate	2.945	43	87400	43.911	ug/L	97
16) Methylene chloride	3.041	84	104773	43.767	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	96812	44.517	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	302359	47.283	ug/L	98
19) 1,1-Dichloroethane	3.864	63	174291	45.697	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	107770	46.414	ug/L	100
22) 2-Butanone	4.697	43	129065	81.739	ug/L	98
23) Bromochloromethane	4.970	128	57955	44.448	ug/L	98
25) Chloroform	5.083	83	201024	46.950	ug/L	99

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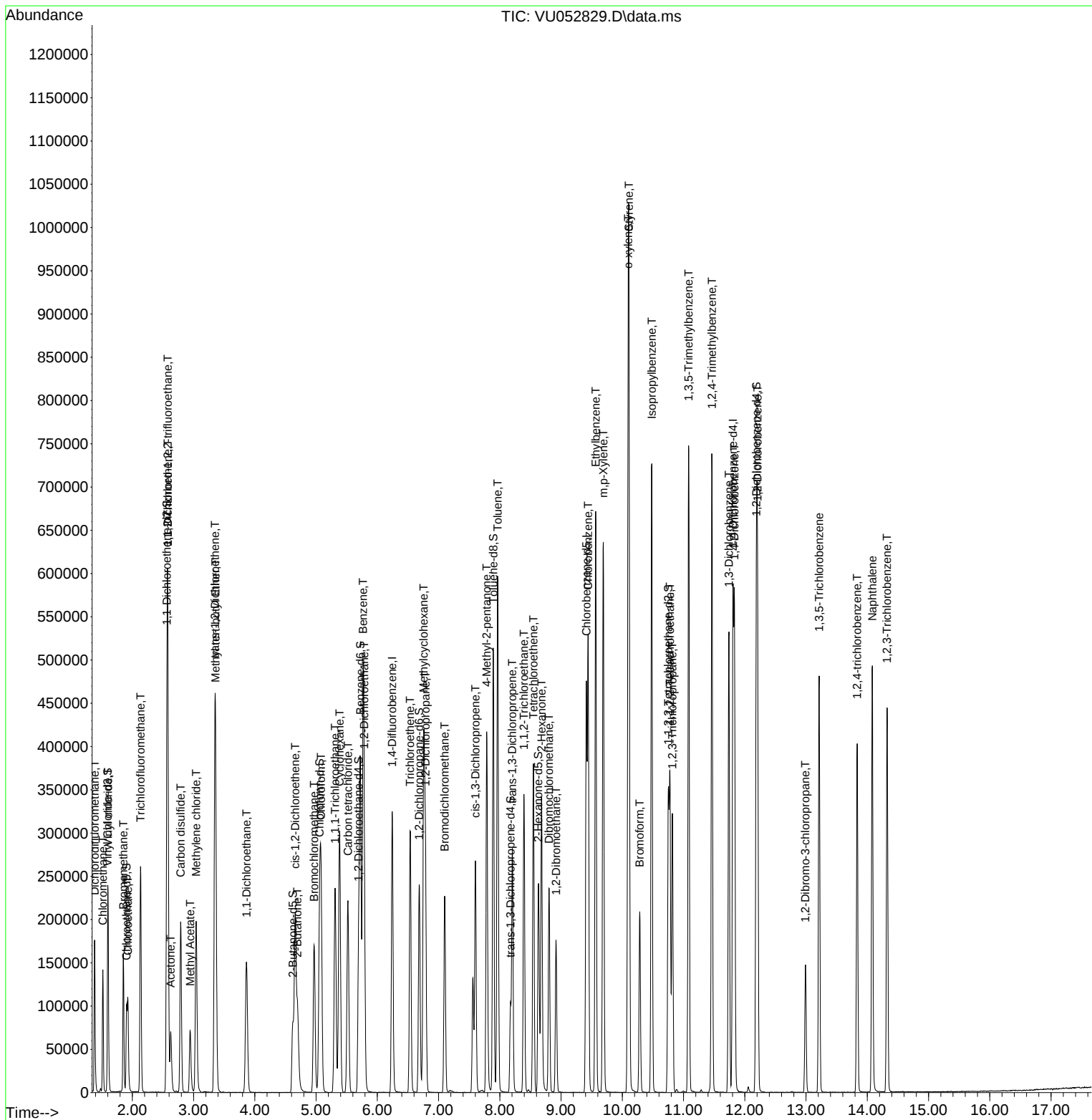
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 ClientSampleId :

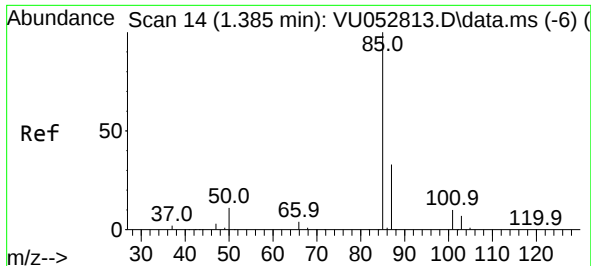
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	157723	46.531	ug/L	100
29) Cyclohexane	5.385	56	145444	47.422	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	174493	45.835	ug/L	98
31) Carbon tetrachloride	5.520	117	157634	47.766	ug/L	100
33) Benzene	5.768	78	415777	47.193	ug/L	100
34) Trichloroethene	6.536	95	101076	45.137	ug/L	96
35) Methylcyclohexane	6.758	83	162999	45.990	ug/L	99
37) 1,2-Dichloropropane	6.787	63	101730	46.967	ug/L	99
38) Bromodichloromethane	7.099	83	147681	46.462	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	155202	45.742	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	253046	99.162	ug/L	100
42) Toluene	7.964	91	433157	47.972	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	158880	47.648	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	105319	47.548	ug/L	99
46) Tetrachloroethene	8.549	164	87222	45.235	ug/L	99
48) 2-Hexanone	8.681	43	200730	92.982	ug/L	98
49) Dibromochloromethane	8.803	129	123153	46.493	ug/L	100
50) 1,2-Dibromoethane	8.919	107	114976	48.230	ug/L	99
51) Chlorobenzene	9.443	112	286750	46.160	ug/L	99
52) Ethylbenzene	9.565	91	463415	48.025	ug/L	100
53) m,p-Xylene	9.690	106	189573	48.529	ug/L	99
54) o-xylene	10.095	106	184727	49.535	ug/L	96
55) Styrene	10.108	104	311991	48.754	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	168146	46.907	ug/L	100
59) Bromoform	10.285	173	95782	46.327	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	132738	45.355	ug/L	99
61) Isopropylbenzene	10.481	105	467653	47.992	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	395417	48.735	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	389401	49.597	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	221424	45.038	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	223101	43.835	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	228693	45.989	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	37402	44.584	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	157228	43.199	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	129223	42.348	ug/L	99
71) Naphthalene	14.082	128	394671	45.007	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	140891	43.689	ug/L	99

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

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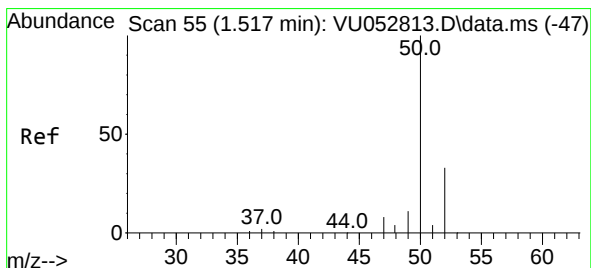
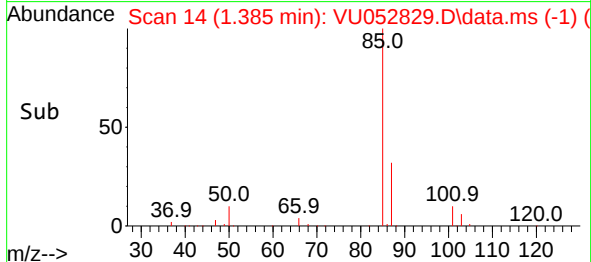
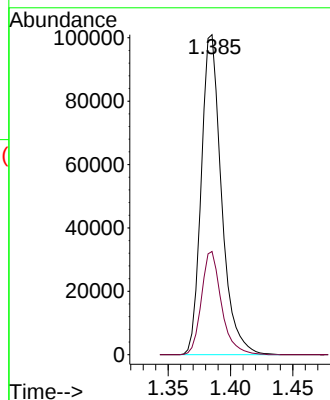
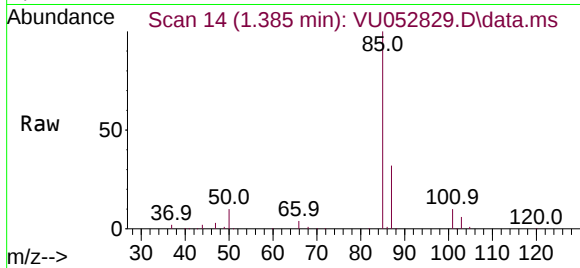




#2
Dichlorodifluoromethane
Concen: 44.822 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

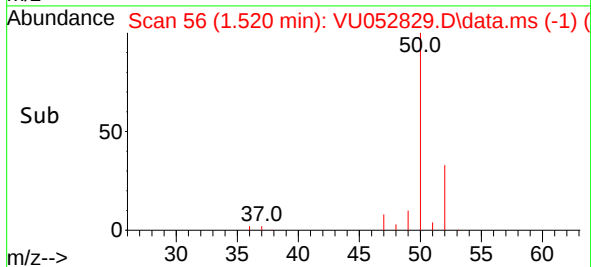
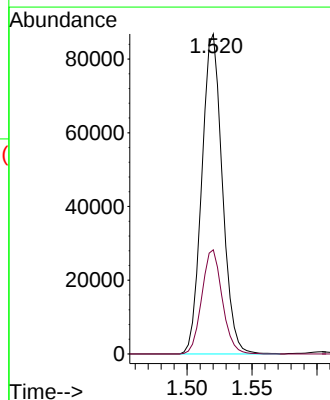
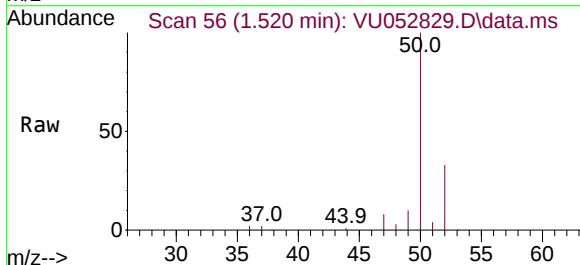
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MSVOA_U
ClientSampleId :

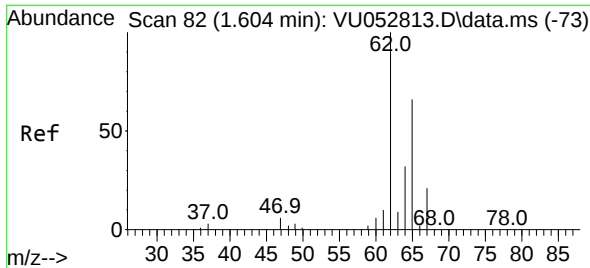
Tgt Ion: 85 Resp: 114174
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6



#3
Chloromethane
Concen: 45.457 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 50 Resp: 95501
Ion Ratio Lower Upper
50 100
52 32.6 23.4 43.4

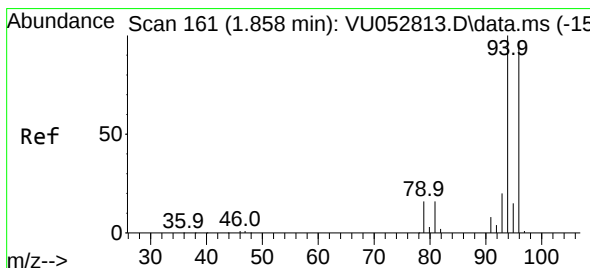
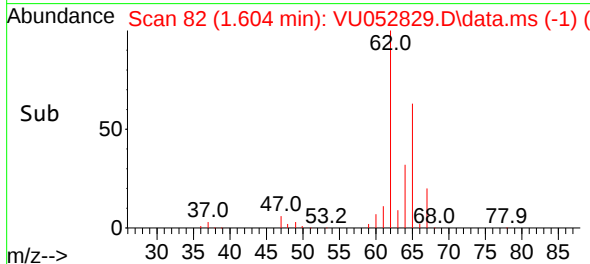
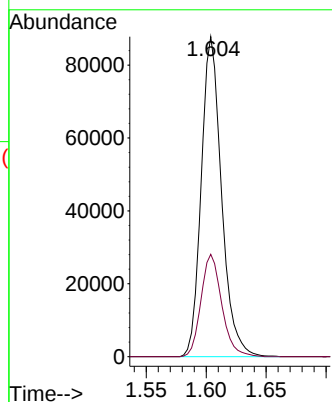
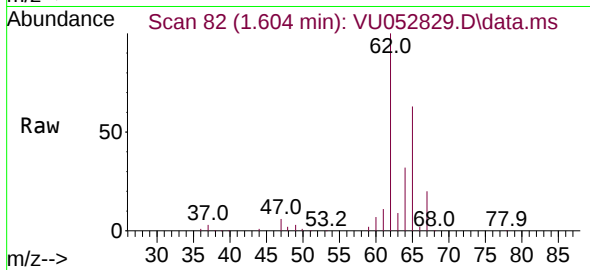




#5
 Vinyl chloride
 Concen: 44.579 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

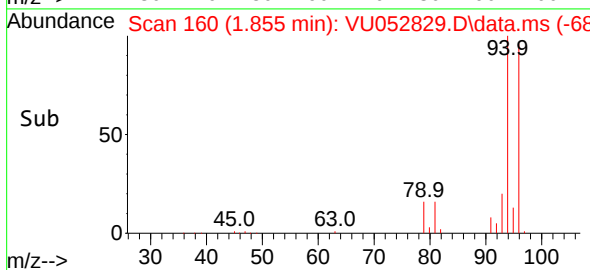
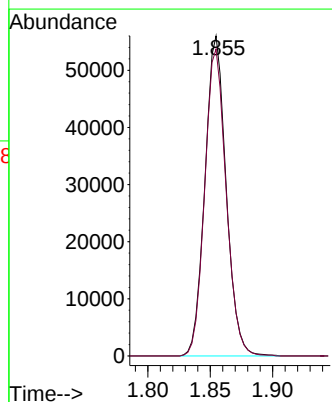
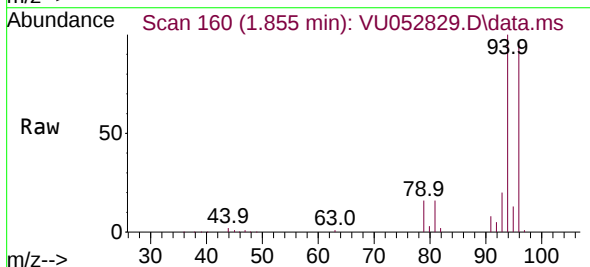
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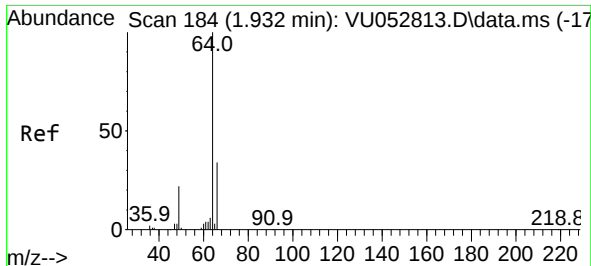
Tgt Ion: 62 Resp: 103609
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.4 41.6



#6
 Bromomethane
 Concen: 45.163 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Tgt Ion: 94 Resp: 66199
 Ion Ratio Lower Upper
 94 100
 96 95.9 67.8 125.8

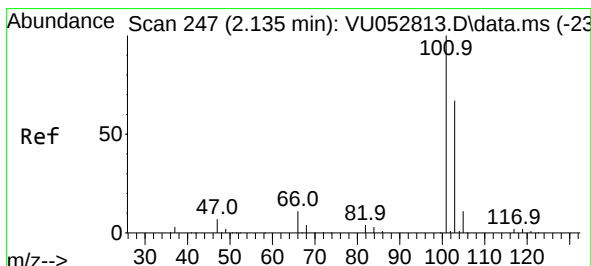
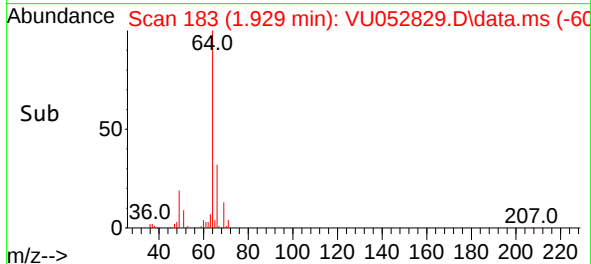
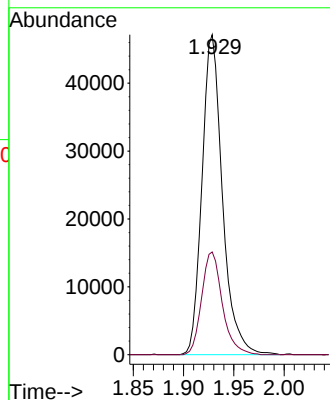
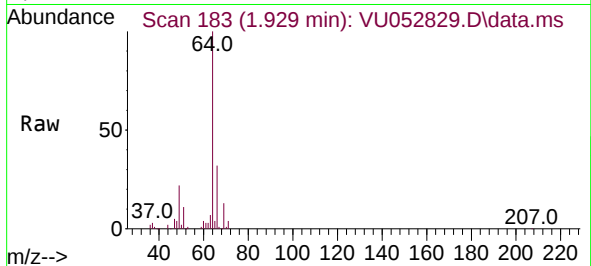




#8
Chloroethane
Concen: 45.598 ug/L
RT: 1.929 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

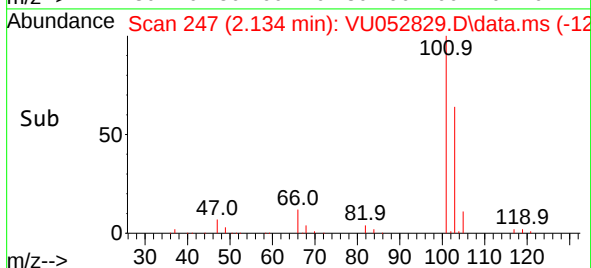
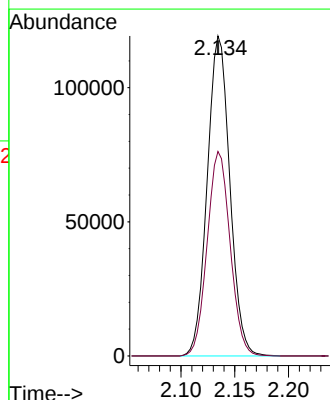
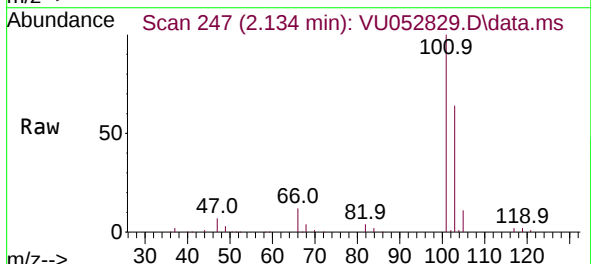
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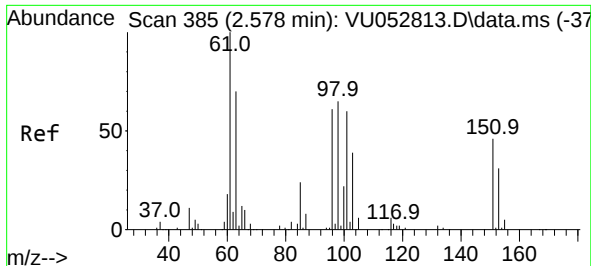
Tgt Ion: 64 Resp: 66565
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 44.765 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion:101 Resp: 174263
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

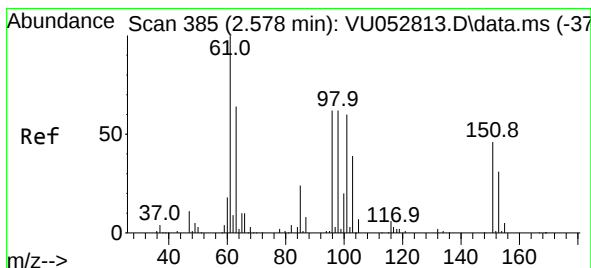
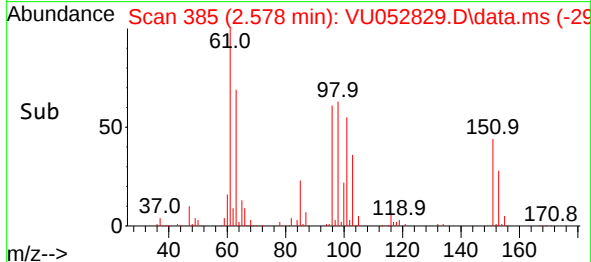
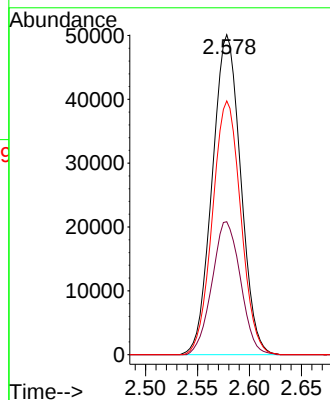
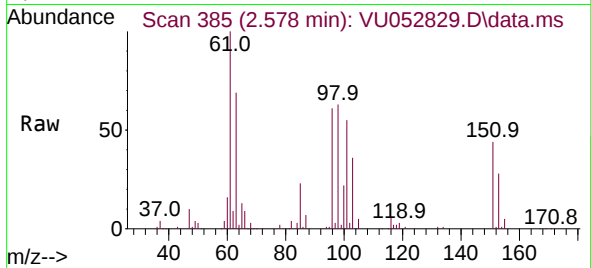




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.561 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

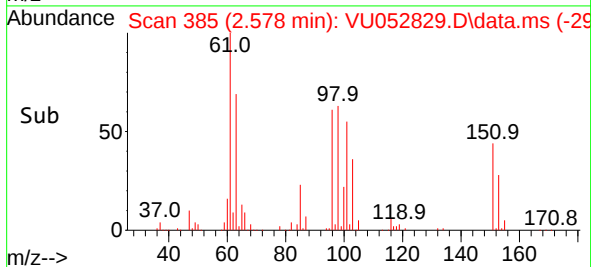
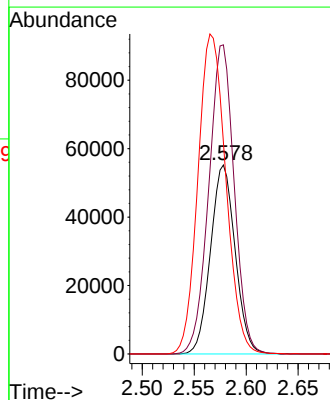
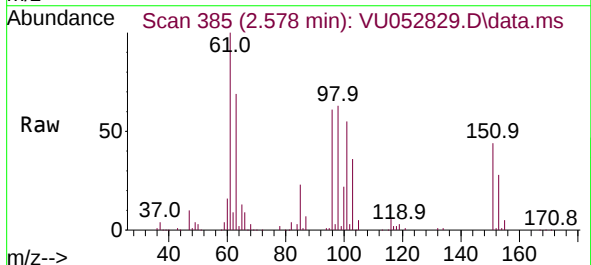
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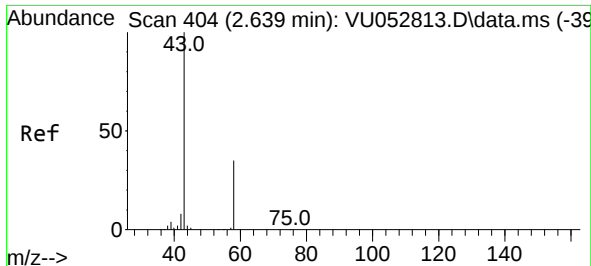
Tgt Ion:101 Resp: 95584
 Ion Ratio Lower Upper
 101 100
 85 41.6 32.9 49.3
 151 79.0 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 45.233 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Tgt Ion: 96 Resp: 91027
 Ion Ratio Lower Upper
 96 100
 61 163.5 114.3 212.3
 63 112.1 80.6 149.6





#13

Acetone

Concen: 56.597 ug/L

RT: 2.626 min Scan# 404

Delta R.T. -0.013 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

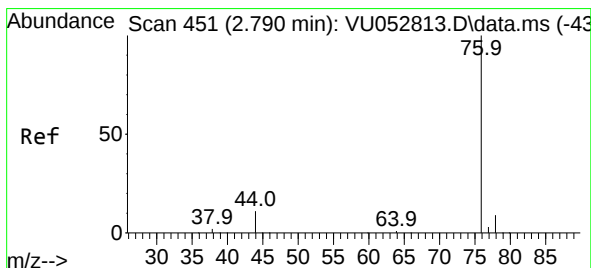
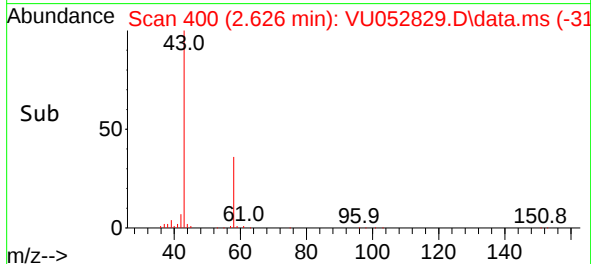
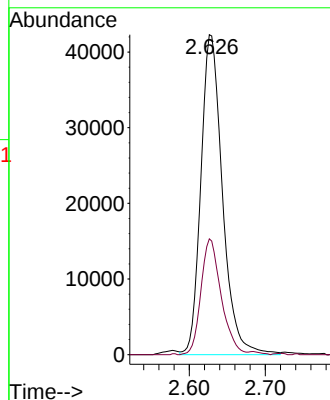
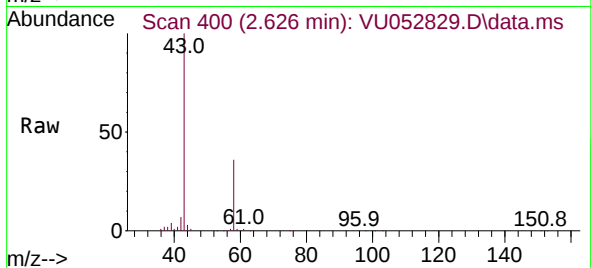
ClientSampleId :

Tgt Ion: 43 Resp: 83607

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.2



#14

Carbon disulfide

Concen: 42.997 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052829.D

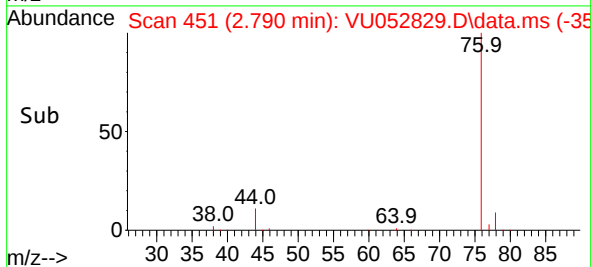
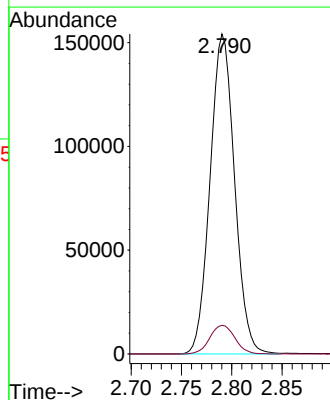
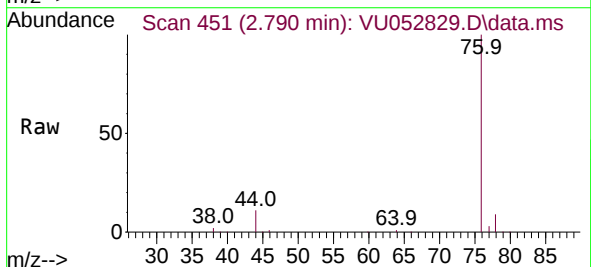
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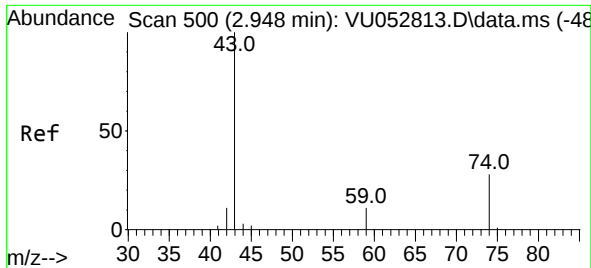
Tgt Ion: 76 Resp: 261333

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

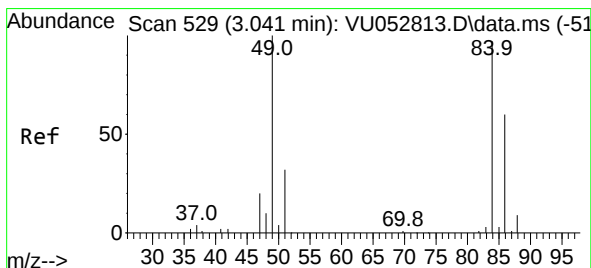
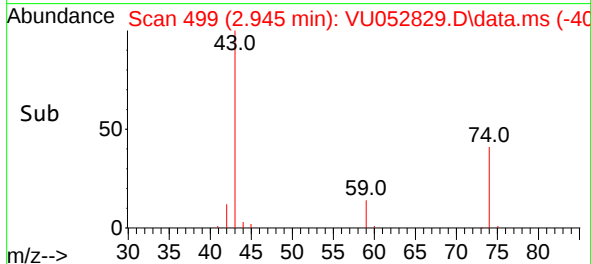
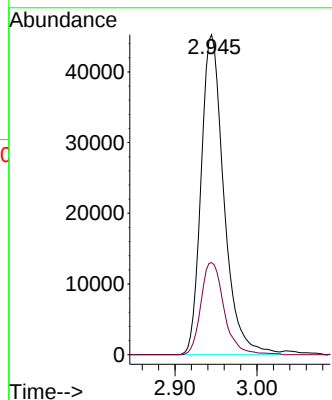
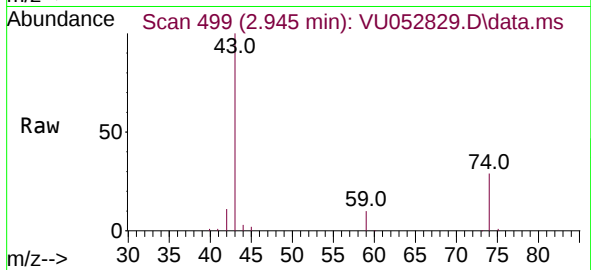




#15
Methyl Acetate
Concen: 43.911 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

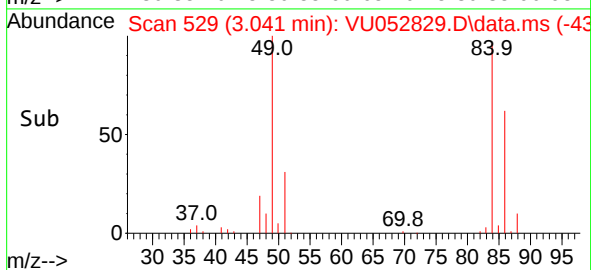
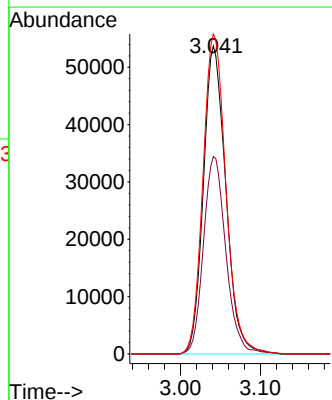
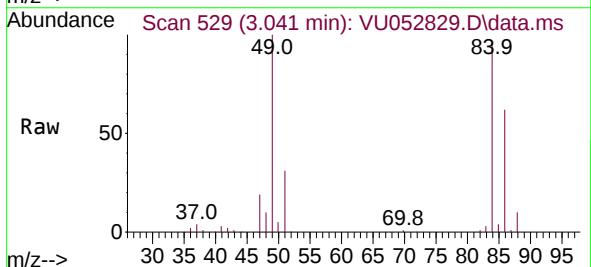
Instrument :
MSVOA_U
ClientSampleId :

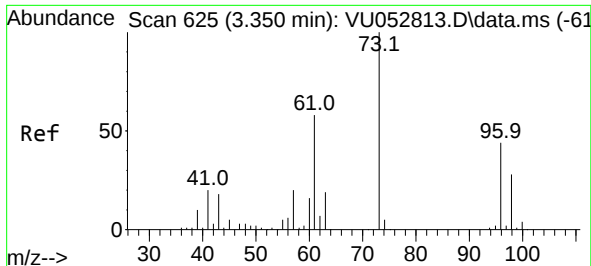
Tgt Ion: 43 Resp: 87400
Ion Ratio Lower Upper
43 100
74 29.3 22.0 33.0



#16
Methylene chloride
Concen: 43.767 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 84 Resp: 104773
Ion Ratio Lower Upper
84 100
86 64.1 43.4 80.6
49 103.9 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 44.517 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

ClientSampleId :

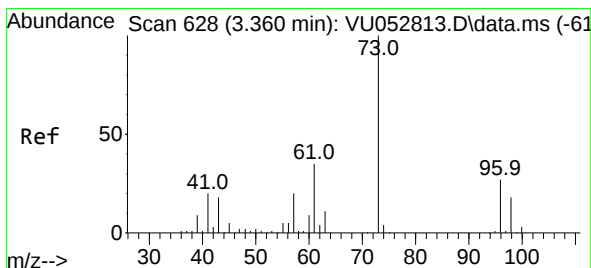
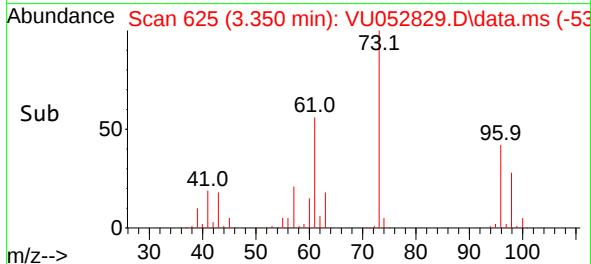
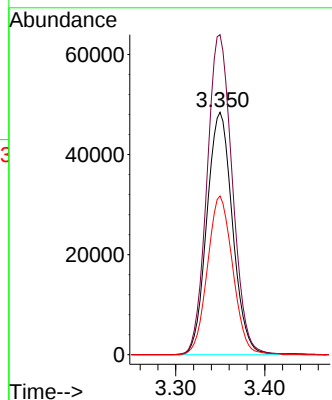
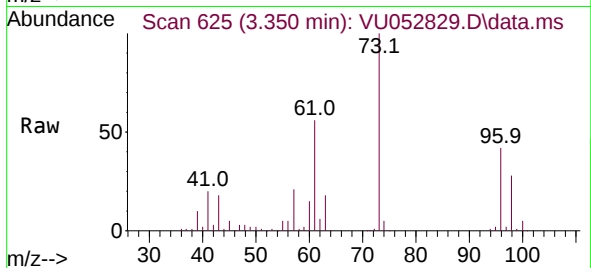
Tgt Ion: 96 Resp: 96812

Ion Ratio Lower Upper

96 100

61 132.0 92.7 172.3

98 65.5 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 47.283 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

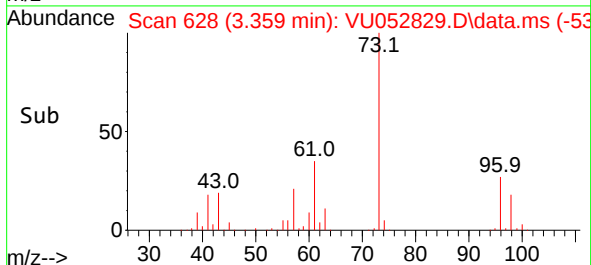
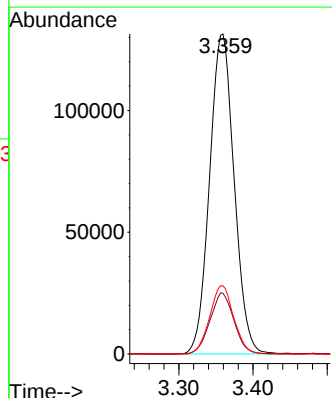
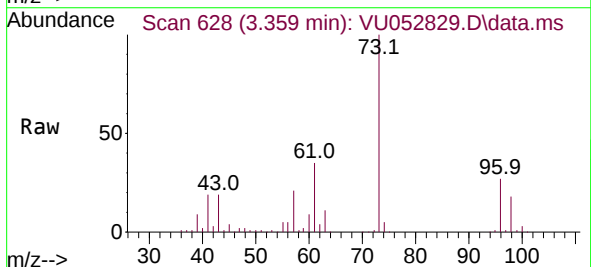
Tgt Ion: 73 Resp: 302359

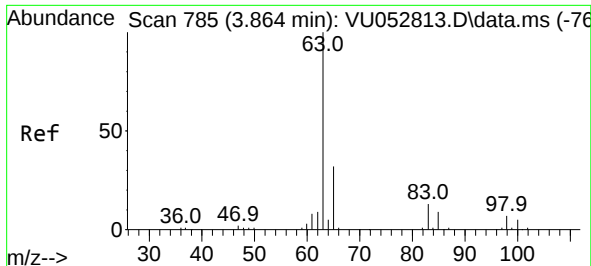
Ion Ratio Lower Upper

73 100

43 18.6 14.2 21.2

57 20.9 16.3 24.5





#19

1,1-Dichloroethane

Concen: 45.697 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

ClientSampleId :

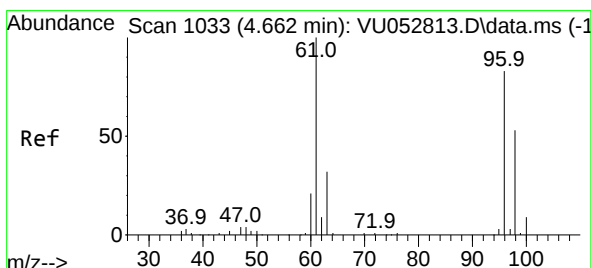
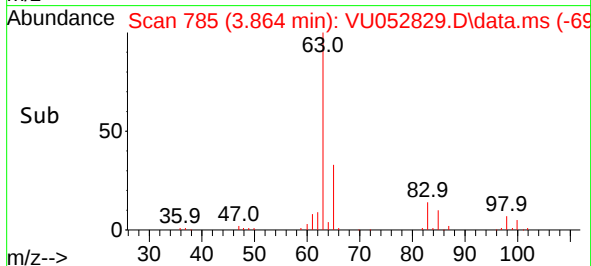
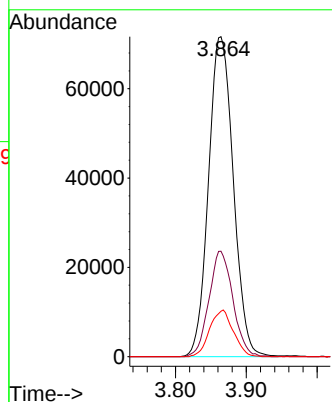
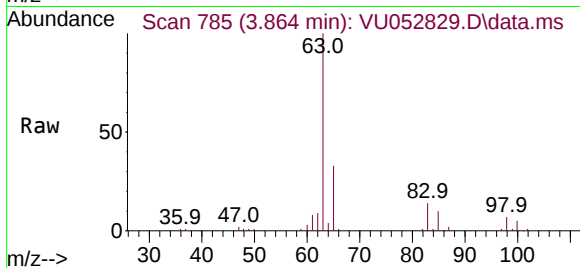
Tgt Ion: 63 Resp: 174291

Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

83 14.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 46.414 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

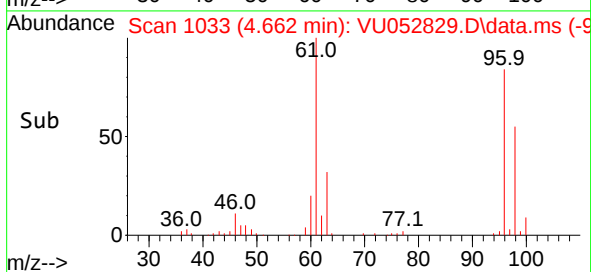
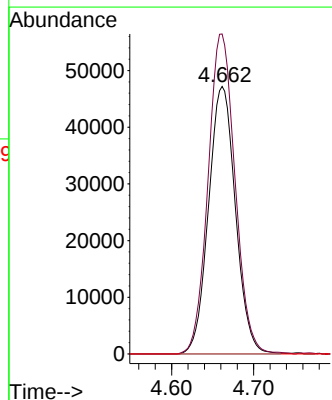
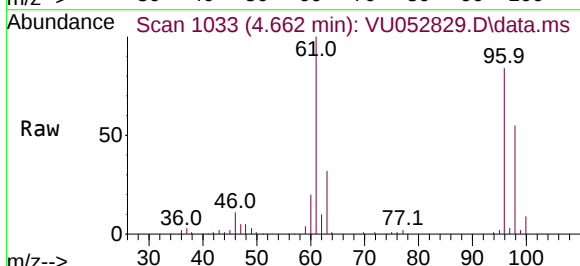
Tgt Ion: 96 Resp: 107770

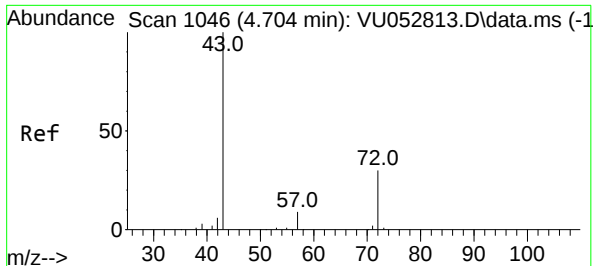
Ion Ratio Lower Upper

96 100

61 119.7 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 81.739 ug/L

RT: 4.697 min Scan# 1104

Delta R.T. -0.007 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

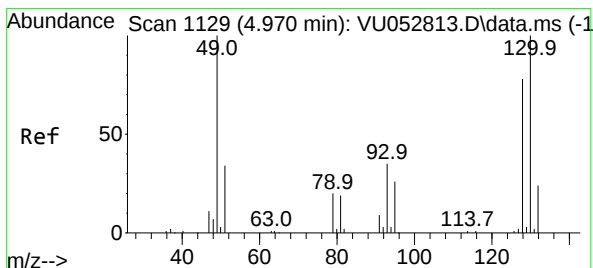
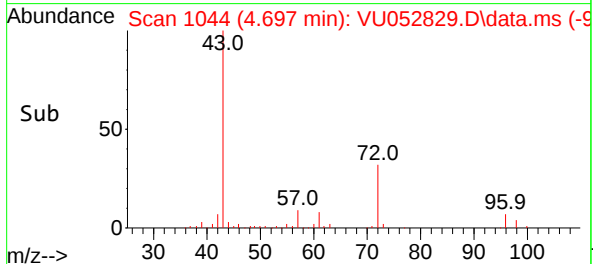
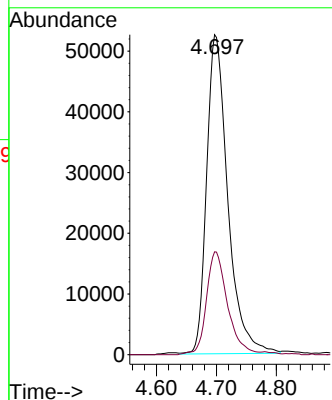
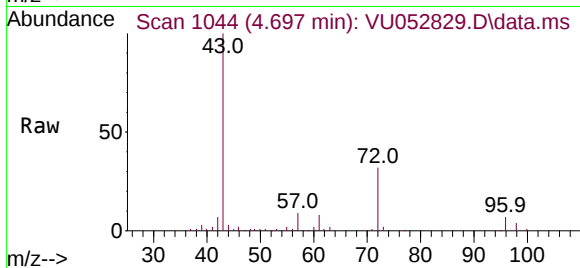
ClientSampleId :

Tgt Ion: 43 Resp: 129065

Ion Ratio Lower Upper

43 100

72 32.1 15.5 46.5



#23

Bromochloromethane

Concen: 44.448 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Tgt Ion:128 Resp: 57955

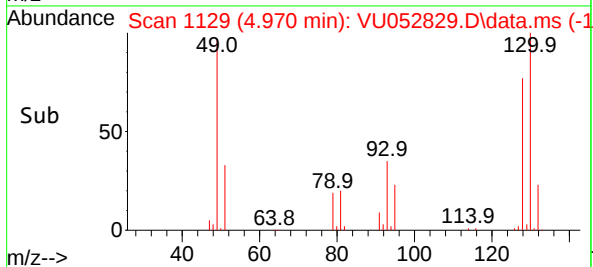
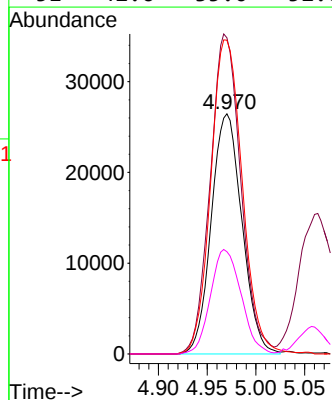
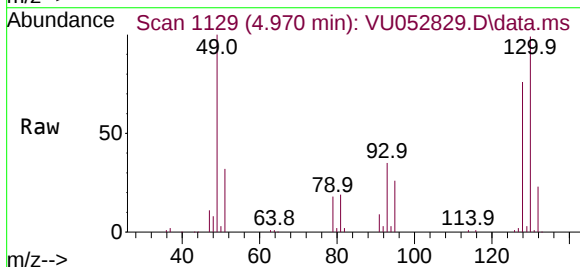
Ion Ratio Lower Upper

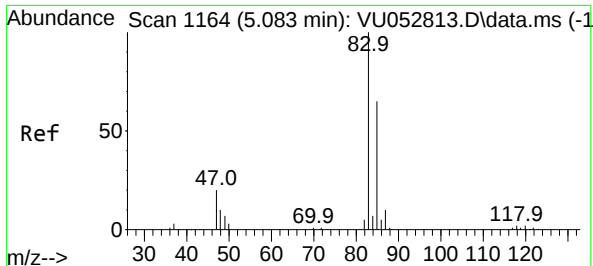
128 100

49 131.7 90.1 167.3

130 130.7 90.1 167.3

51 42.6 35.0 52.6





#25

Chloroform

Concen: 46.950 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

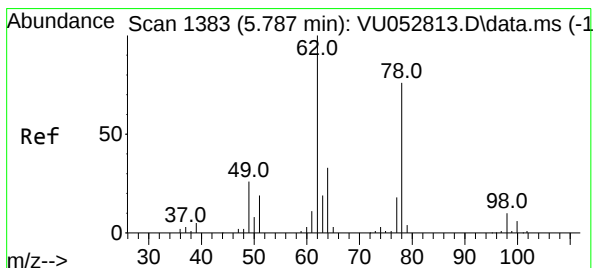
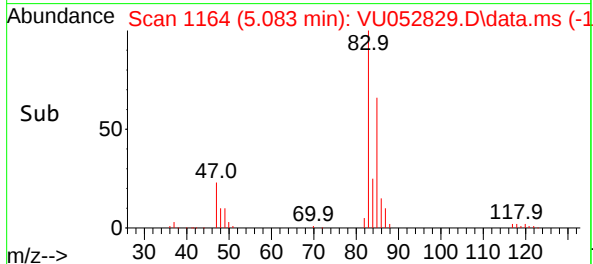
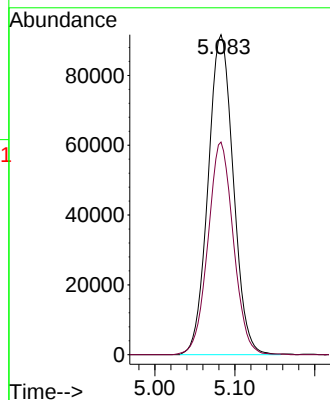
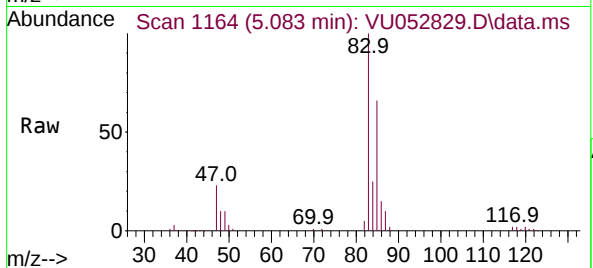
ClientSampleId :

Tgt Ion: 83 Resp: 201024

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 46.531 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU052829.D

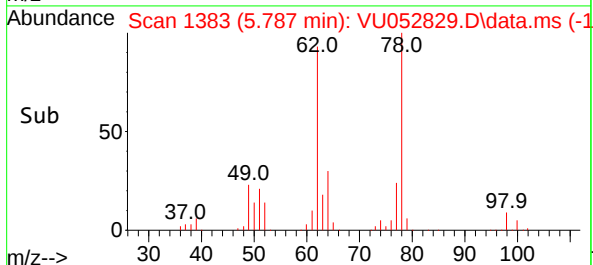
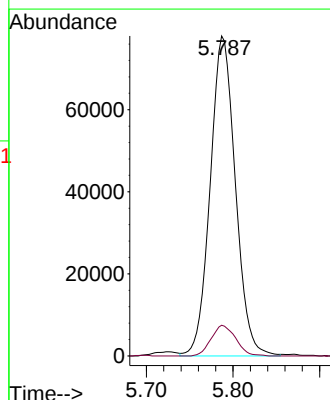
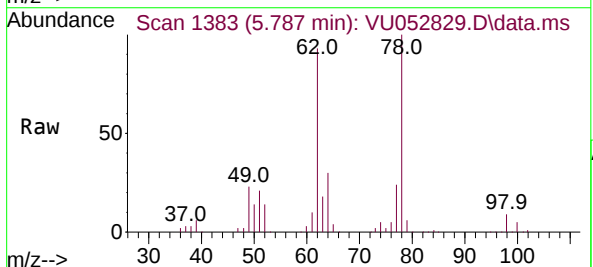
Acq: 26 Jan 2023 20:22

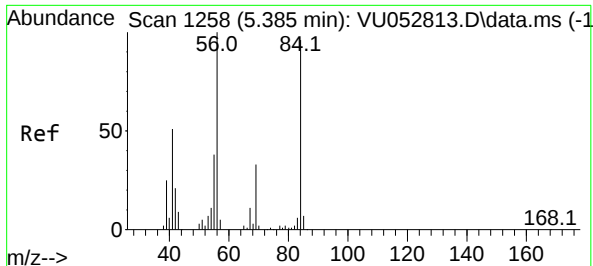
Tgt Ion: 62 Resp: 157723

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4





#29

Cyclohexane

Concen: 47.422 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

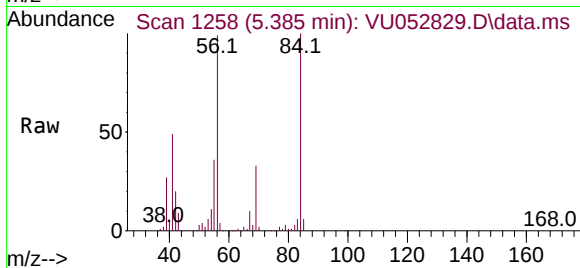
Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

ClientSampleId :



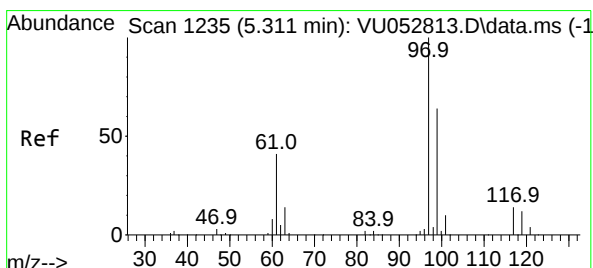
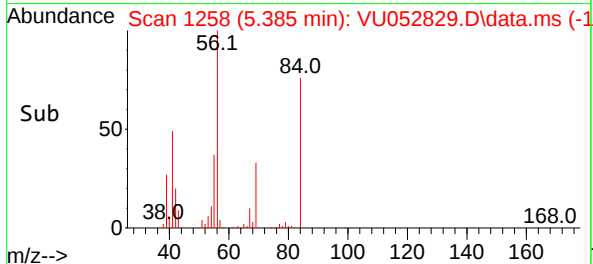
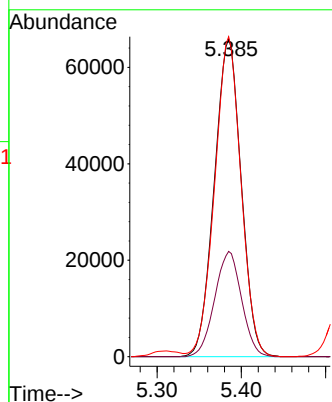
Tgt Ion: 56 Resp: 145444

Ion Ratio Lower Upper

56 100

69 33.2 26.6 40.0

84 99.0 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 45.835 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

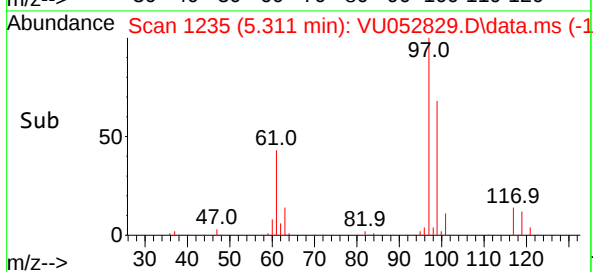
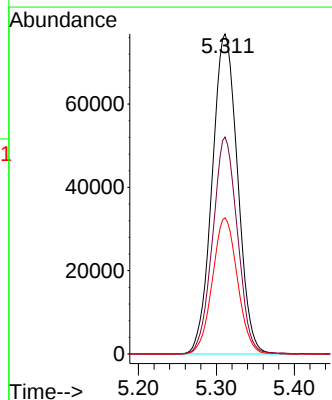
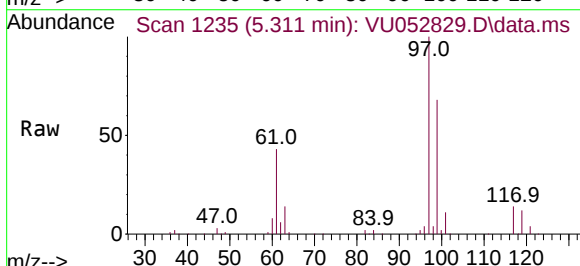
Tgt Ion: 97 Resp: 174493

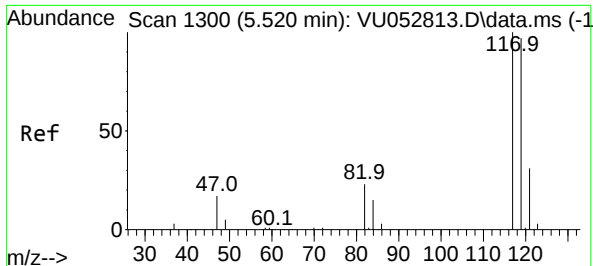
Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.0

61 41.8 33.0 49.6

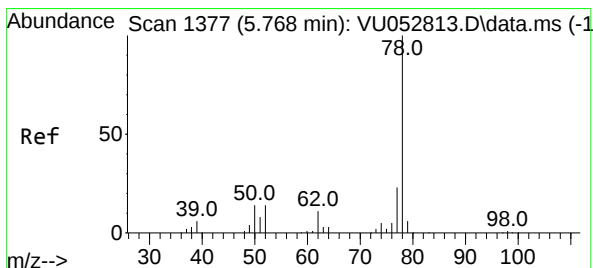
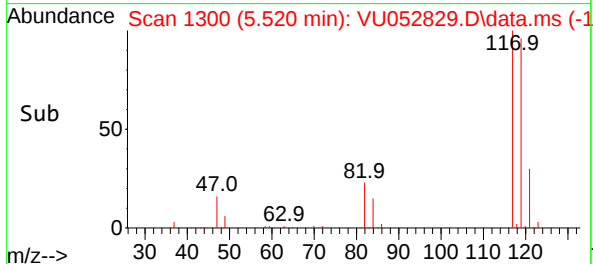
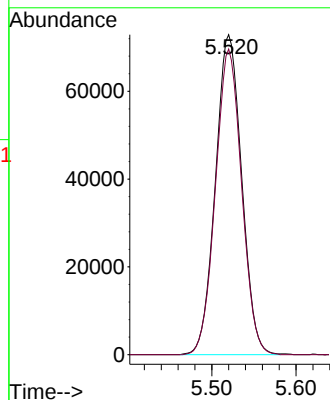
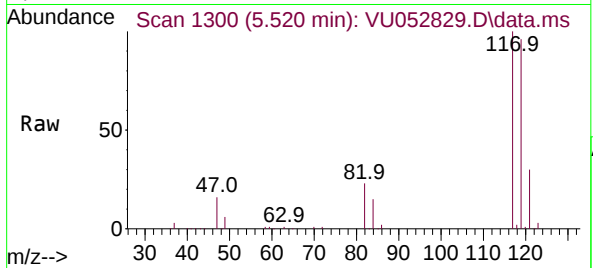




#31
Carbon tetrachloride
Concen: 47.766 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

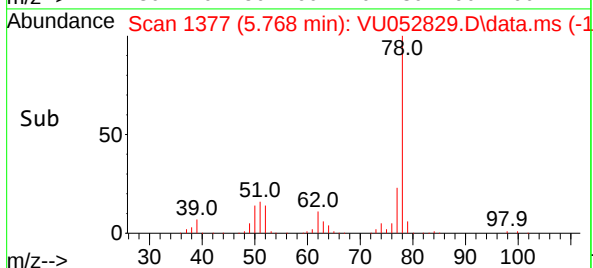
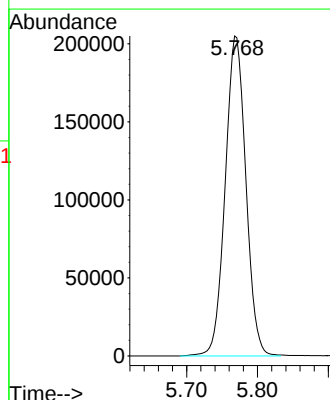
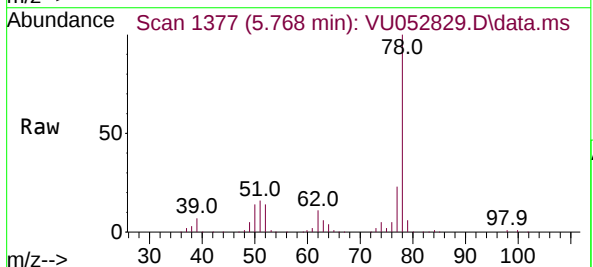
Instrument :
MSVOA_U
ClientSampleId :

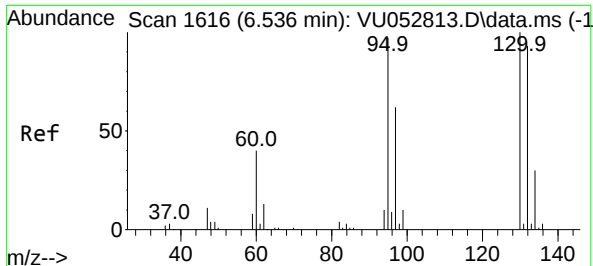
Tgt Ion:117 Resp: 157634
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4



#33
Benzene
Concen: 47.193 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 78 Resp: 415777

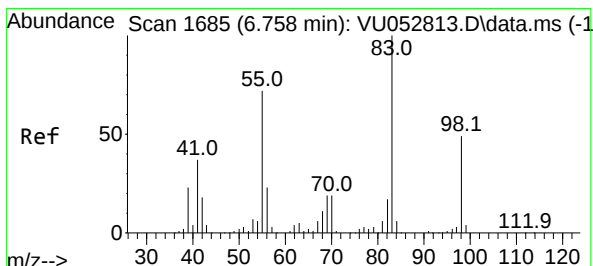
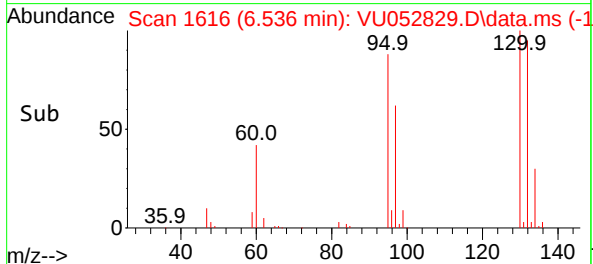
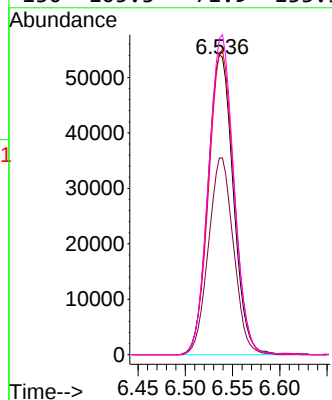
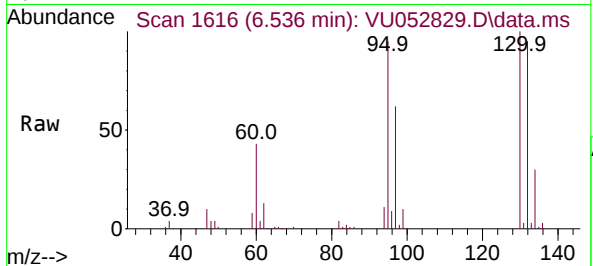




#34
Trichloroethene
Concen: 45.137 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

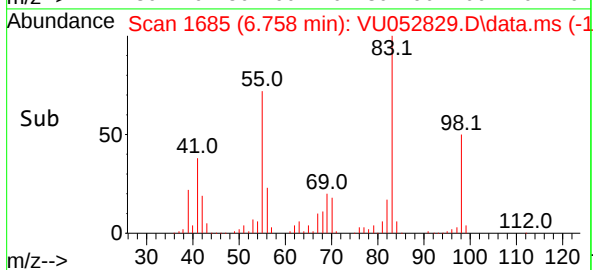
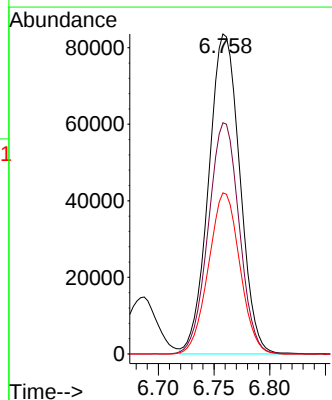
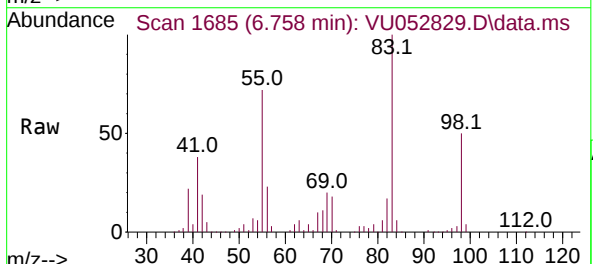
Instrument :
MSVOA_U
ClientSampleId :

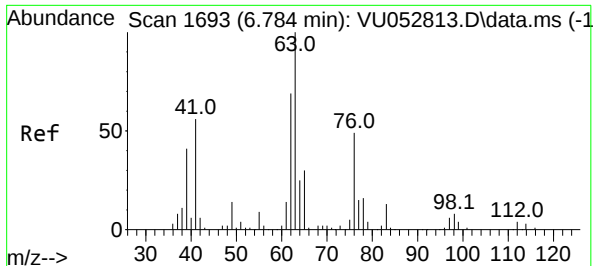
Tgt Ion: 95 Resp: 101076
Ion Ratio Lower Upper
95 100
97 65.5 44.5 82.7
132 100.5 66.8 124.0
130 105.3 71.9 133.5



#35
Methylcyclohexane
Concen: 45.990 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 83 Resp: 162999
Ion Ratio Lower Upper
83 100
55 71.7 57.1 85.7
98 50.5 38.9 58.3





#37

1,2-Dichloropropane

Concen: 46.967 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

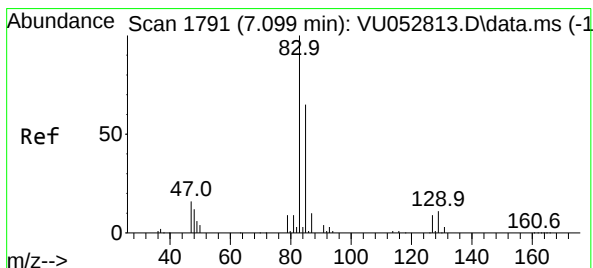
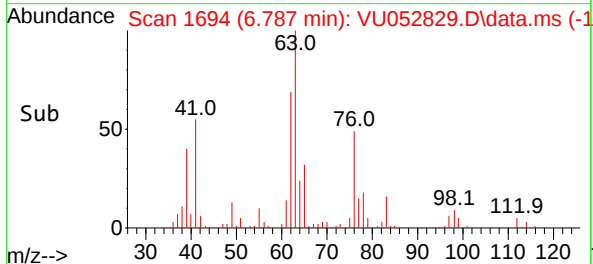
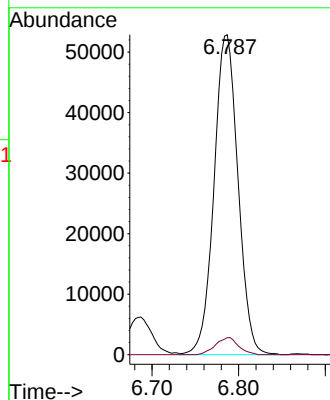
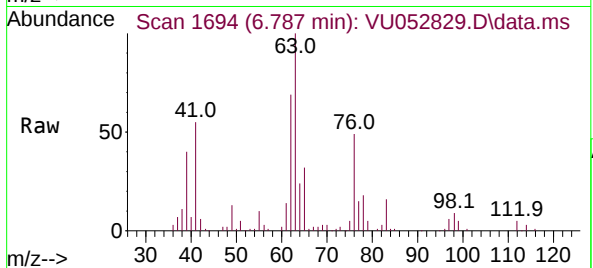
ClientSampleId :

Tgt Ion: 63 Resp: 101730

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 46.462 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

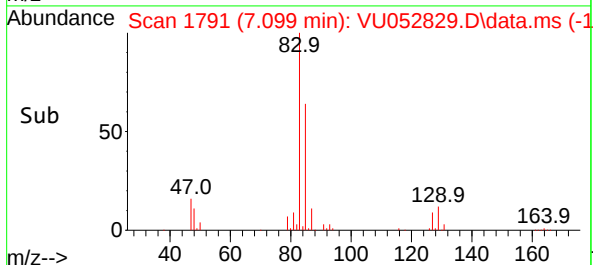
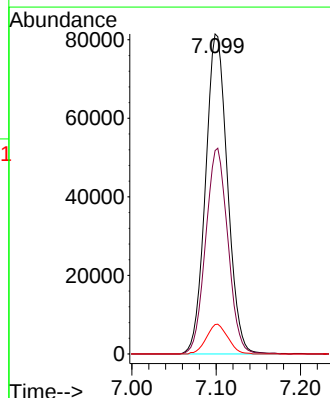
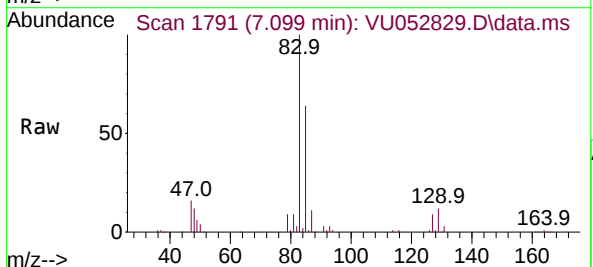
Tgt Ion: 83 Resp: 147681

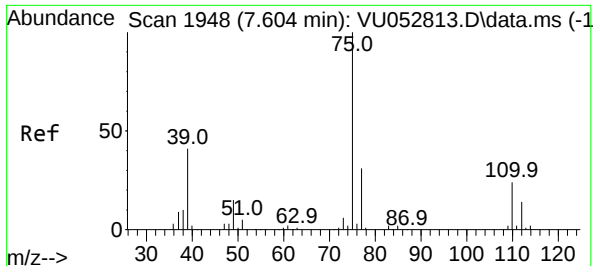
Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

127 9.2 7.4 11.0

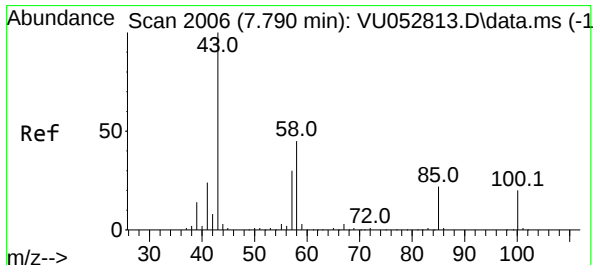
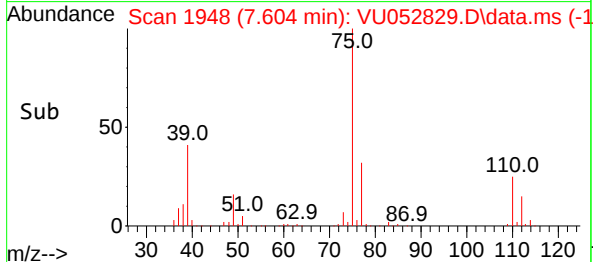
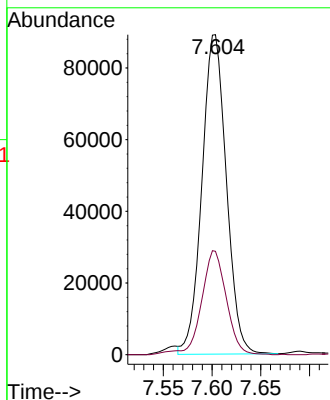
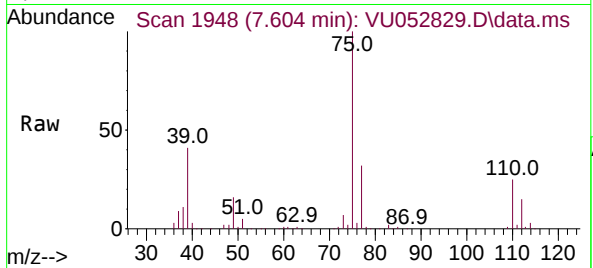




#39
 cis-1,3-Dichloropropene
 Concen: 45.742 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

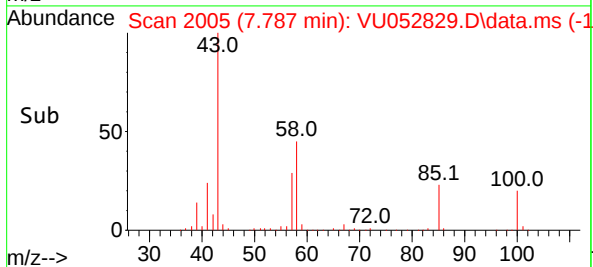
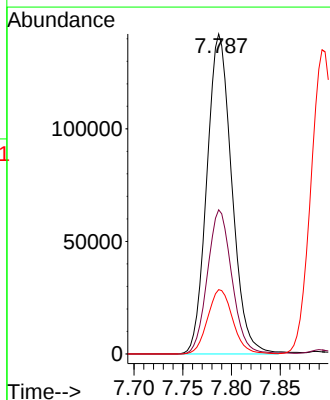
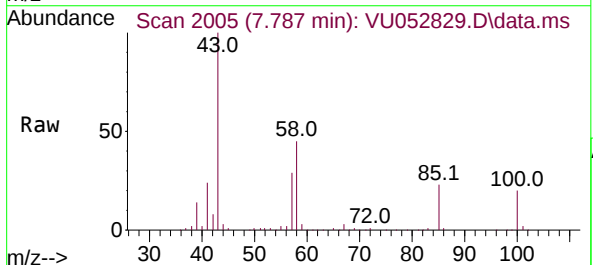
Instrument :
 MSVOA_U
 ClientSampleId :

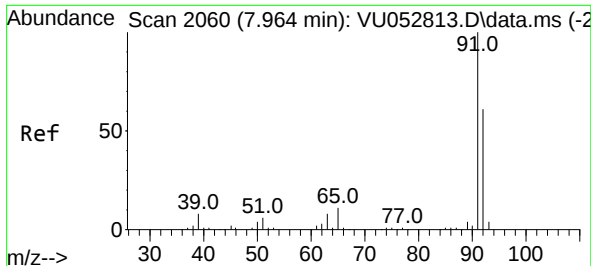
Tgt Ion: 75 Resp: 155202
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 99.162 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.003 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Tgt Ion: 43 Resp: 253046
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.4 53.2
 100 20.2 16.0 24.0





#42

Toluene

Concen: 47.972 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

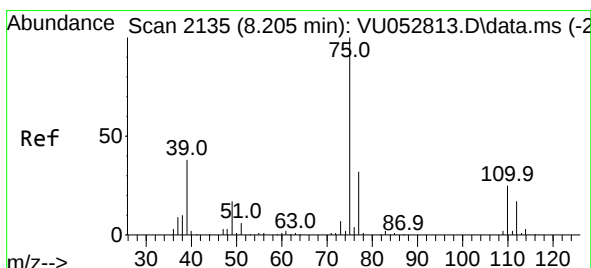
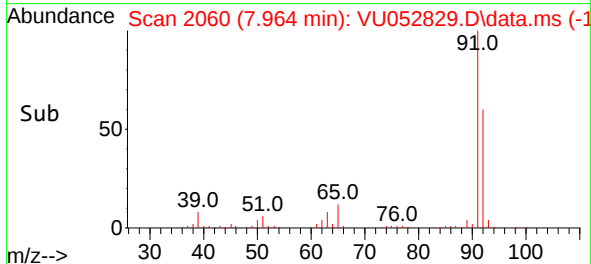
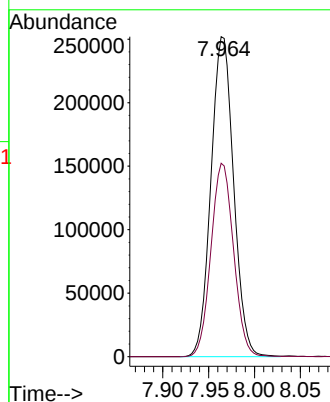
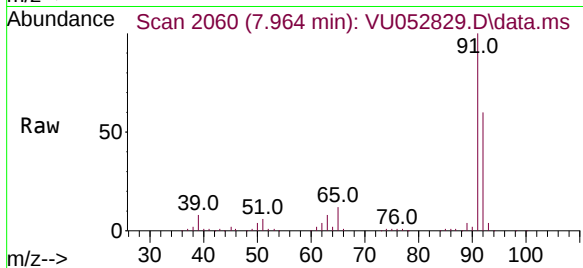
ClientSampleId :

Tgt Ion: 91 Resp: 433157

Ion Ratio Lower Upper

91 100

92 60.5 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.648 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052829.D

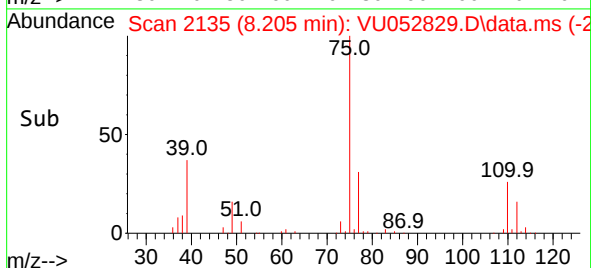
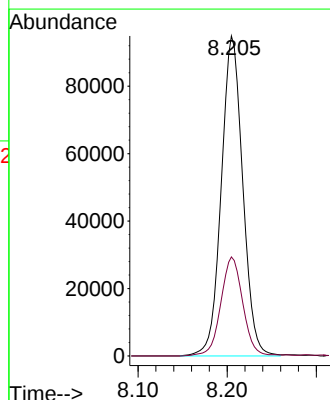
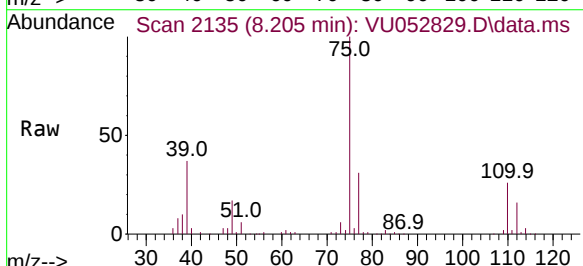
Acq: 26 Jan 2023 20:22

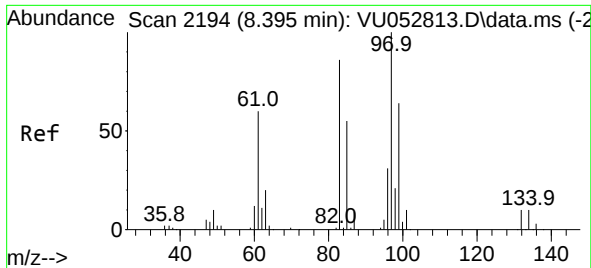
Tgt Ion: 75 Resp: 158880

Ion Ratio Lower Upper

75 100

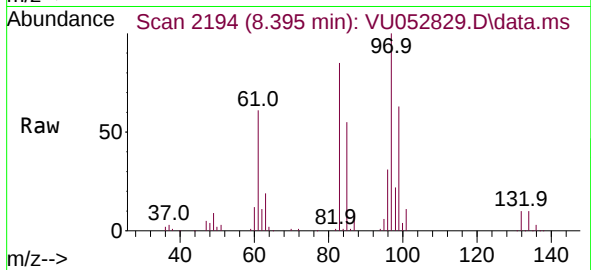
77 30.9 22.3 41.3





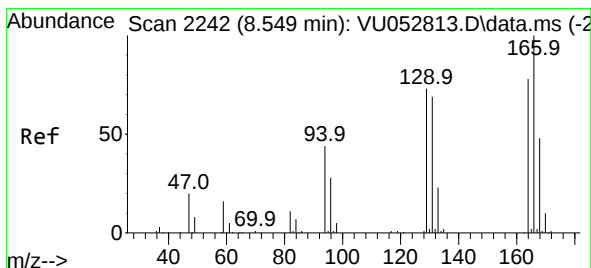
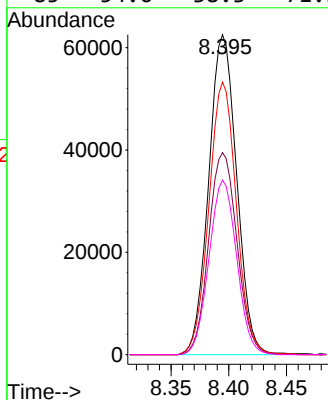
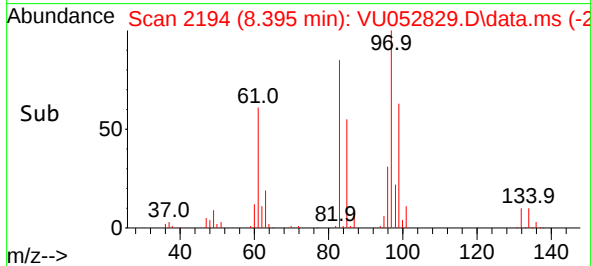
#45
1,1,2-Trichloroethane
Concen: 47.548 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Instrument :
MSVOA_U
ClientSampleId :

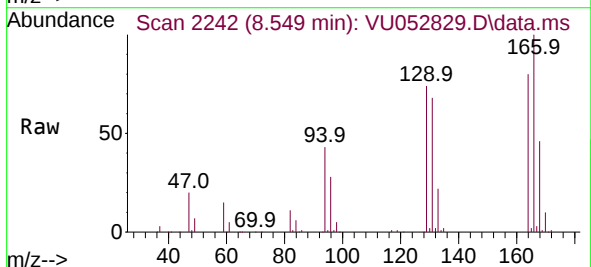


Tgt Ion: 97 Resp: 105319

Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	83.1
83	85.2	60.3	112.1
85	54.6	38.3	71.1

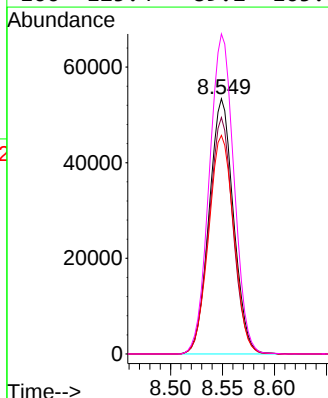
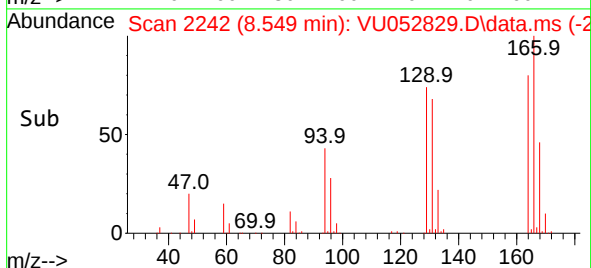


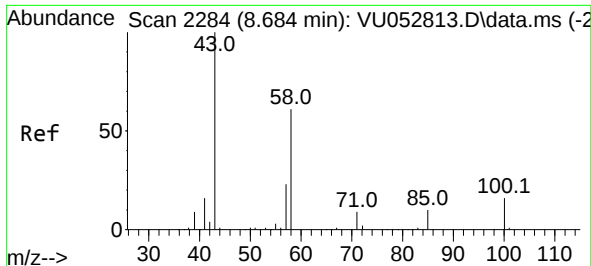
#46
Tetrachloroethene
Concen: 45.235 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22



Tgt Ion: 164 Resp: 87222

Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.8	120.3
131	85.6	61.2	113.6
166	125.4	89.2	165.8



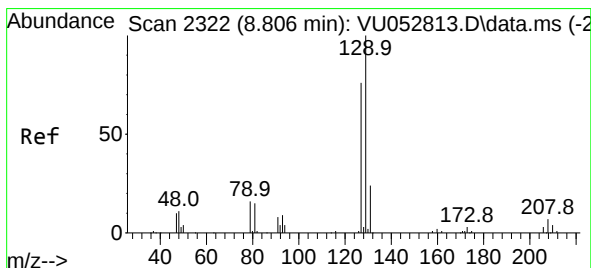
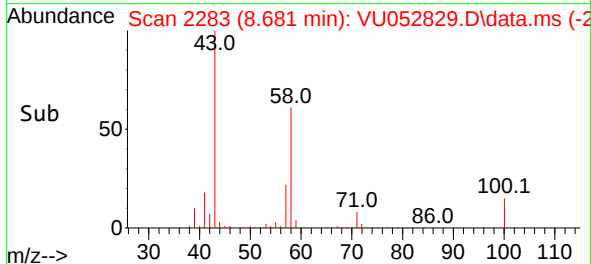
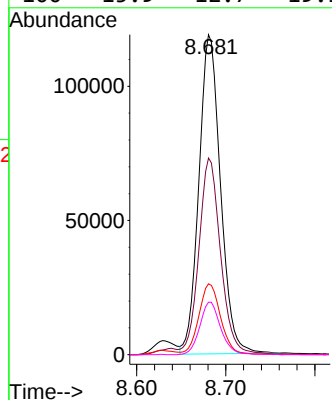
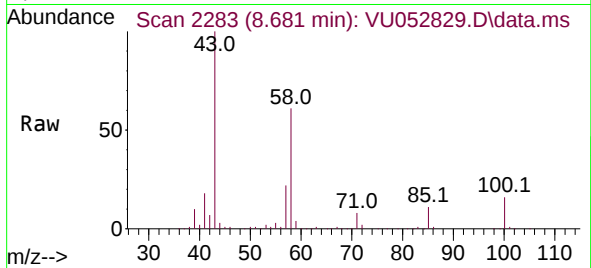


#48
2-Hexanone
Concen: 92.982 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 200730

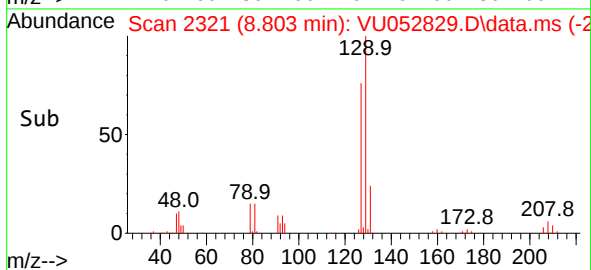
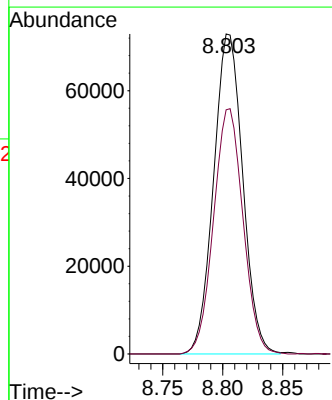
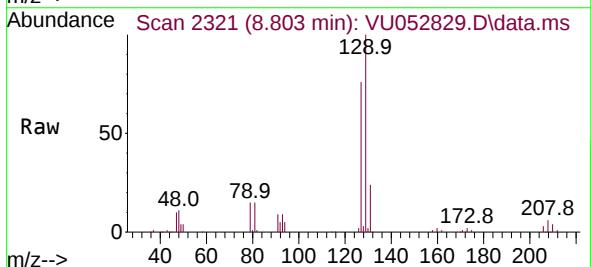
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.0	72.0
57	22.5	16.8	25.2
100	15.9	12.7	19.1

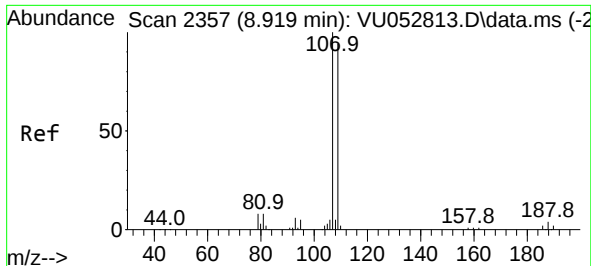


#49
Dibromochloromethane
Concen: 46.493 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 129 Resp: 123153

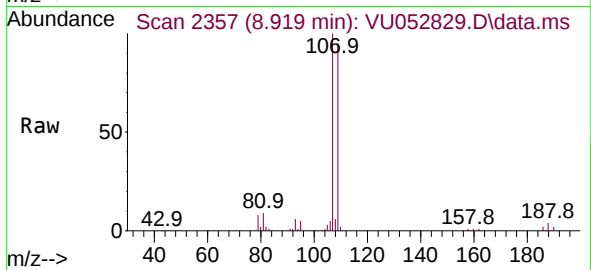
Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.2	98.8



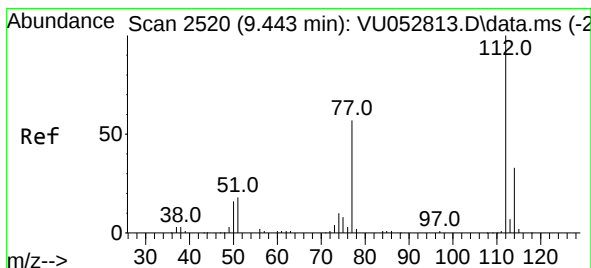
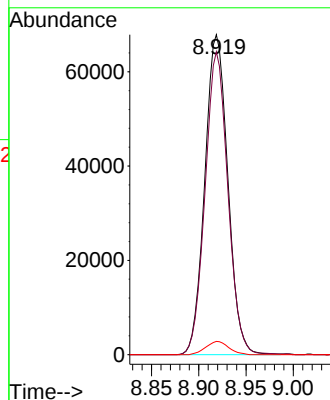
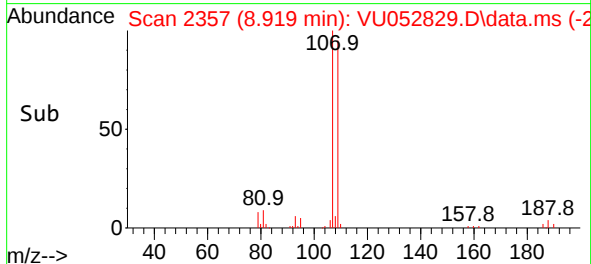


#50
1,2-Dibromoethane
Concen: 48.230 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Instrument :
MSVOA_U
ClientSampleId :

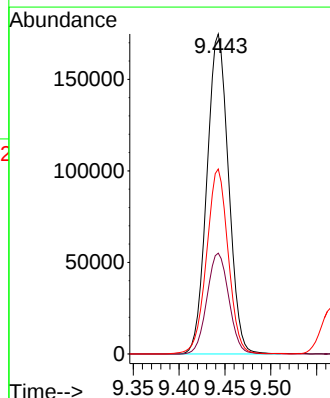
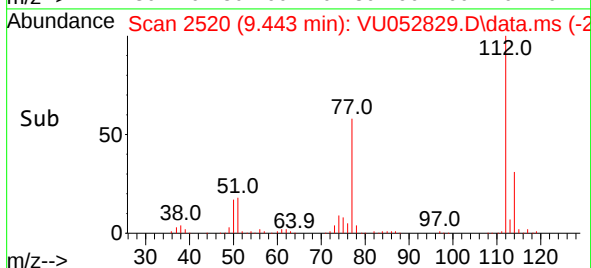
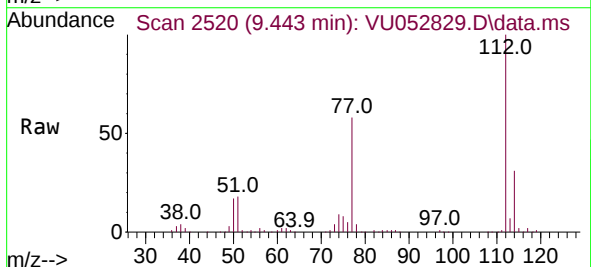


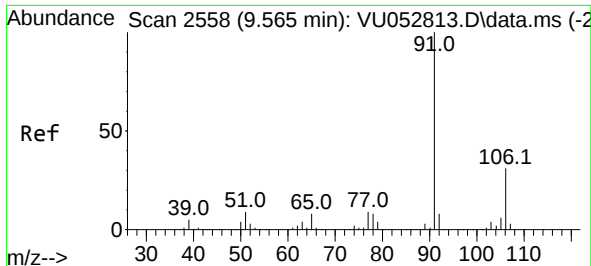
Tgt Ion:107 Resp: 114976
Ion Ratio Lower Upper
107 100
109 94.6 65.5 121.6
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 46.160 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion:112 Resp: 286750
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 57.8 45.9 68.9

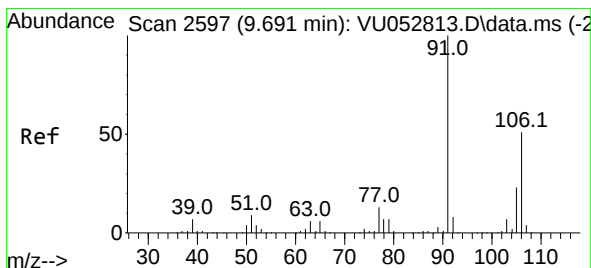
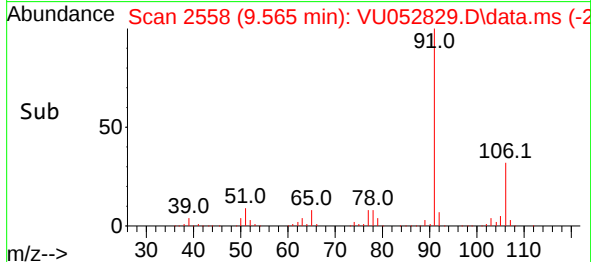
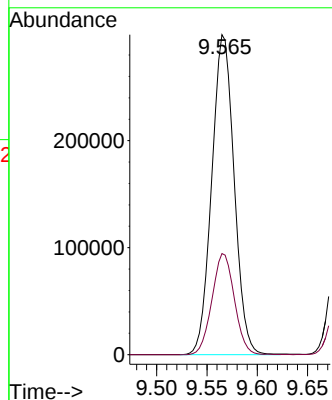
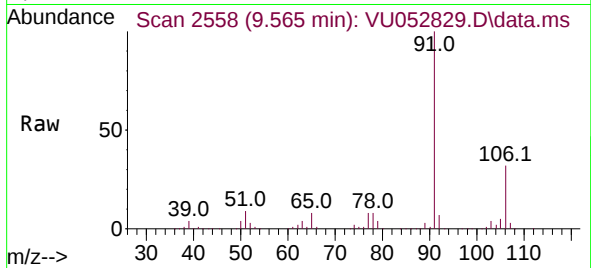




#52
Ethylbenzene
Concen: 48.025 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

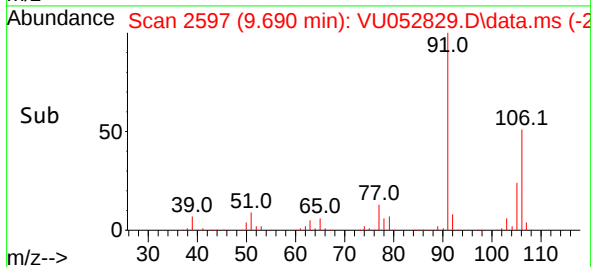
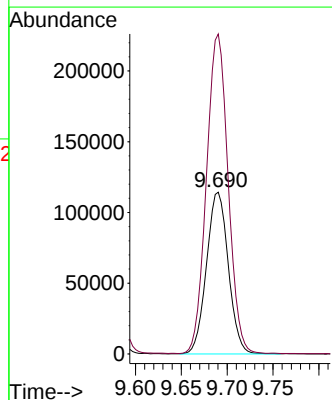
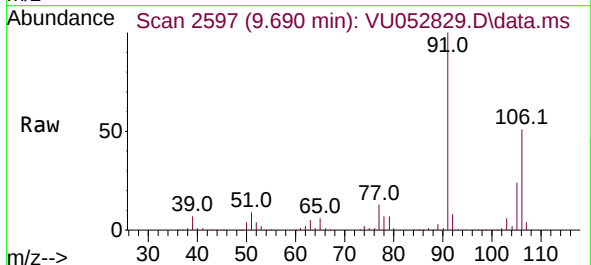
Instrument :
MSVOA_U
ClientSampleId :

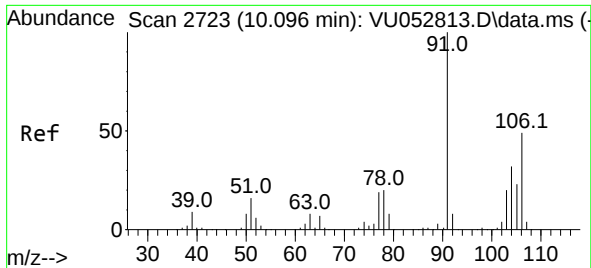
Tgt Ion: 91 Resp: 463415
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8



#53
m,p-Xylene
Concen: 48.529 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion: 106 Resp: 189573
Ion Ratio Lower Upper
106 100
91 197.7 137.4 255.2

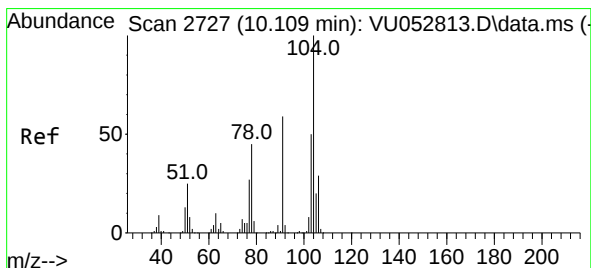
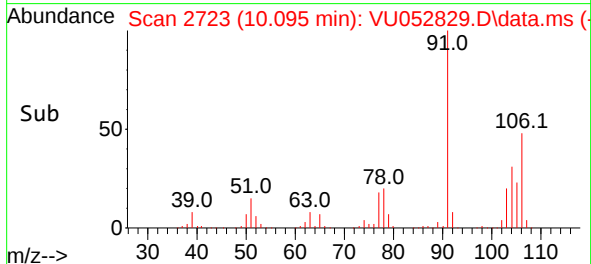
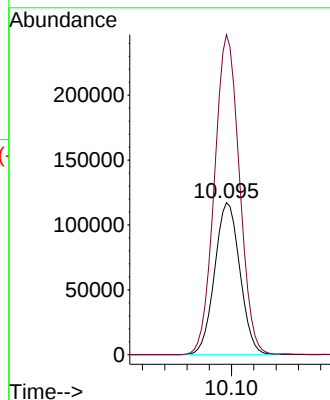
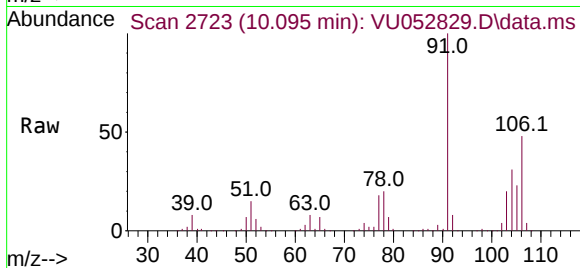




#54
o-xylene
Concen: 49.535 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

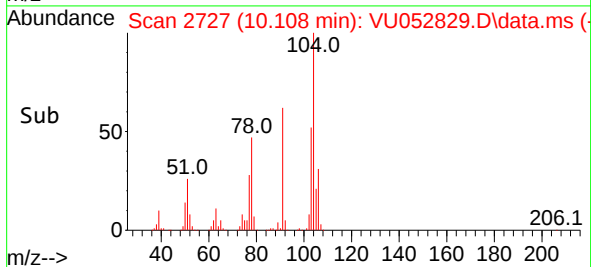
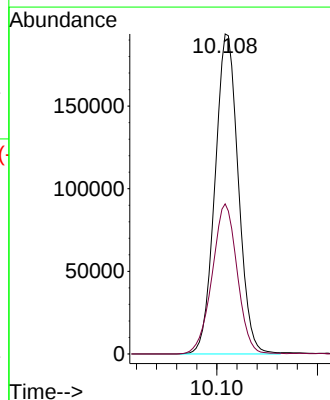
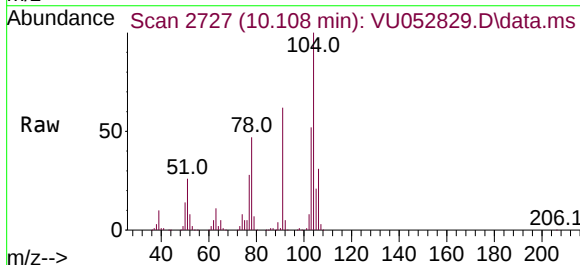
Instrument :
MSVOA_U
ClientSampleId :

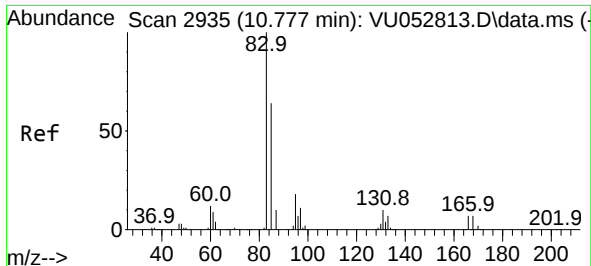
Tgt Ion:106 Resp: 184727
Ion Ratio Lower Upper
106 100
91 210.4 143.4 266.2



#55
Styrene
Concen: 48.754 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion:104 Resp: 311991
Ion Ratio Lower Upper
104 100
78 46.9 31.9 59.2

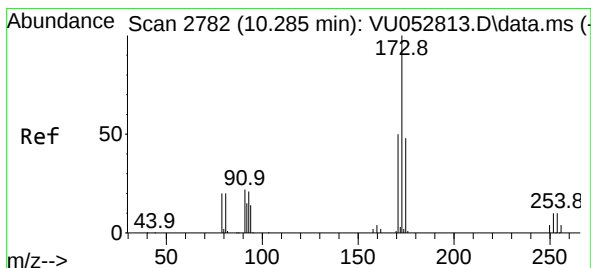
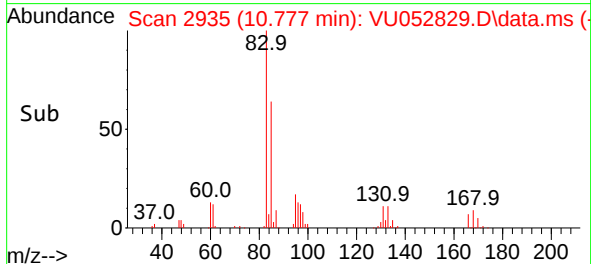
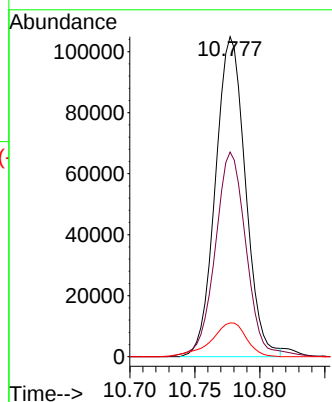
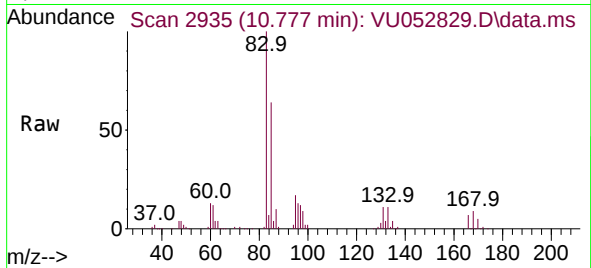




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.907 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

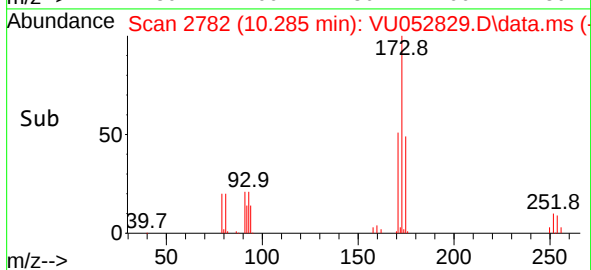
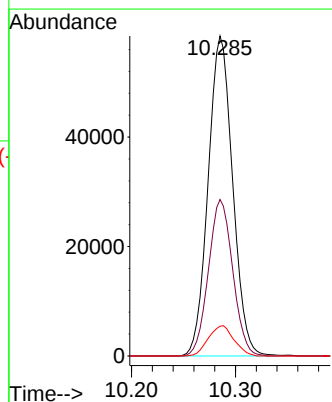
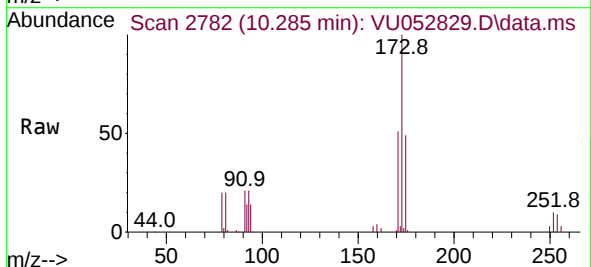
Instrument :
 MSVOA_U
 ClientSampleId :

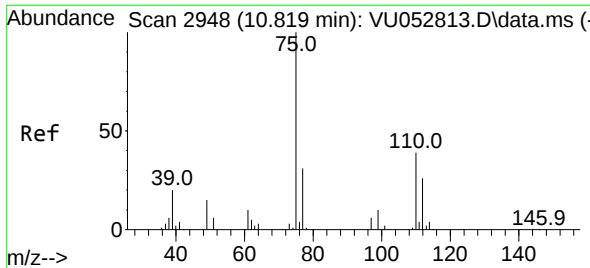
Tgt Ion: 83 Resp: 168146
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.0 83.6
 131 10.6 8.6 12.8



#59
 Bromoform
 Concen: 46.327 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Tgt Ion:173 Resp: 95782
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.7 56.5
 254 9.9 8.3 12.5

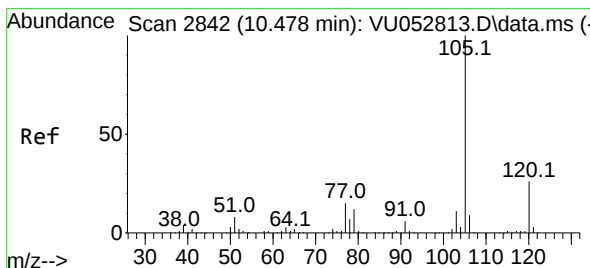
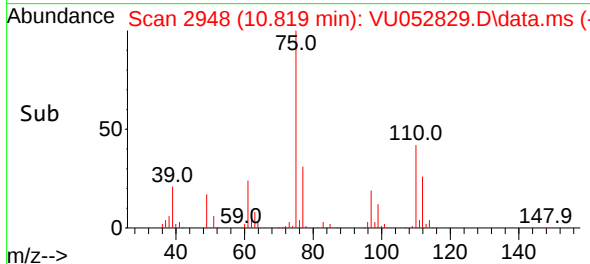
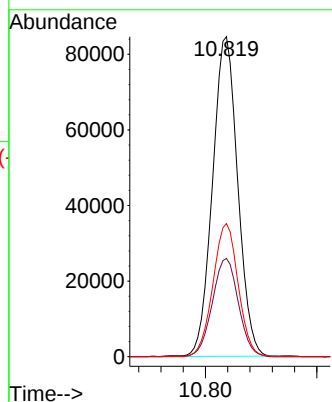
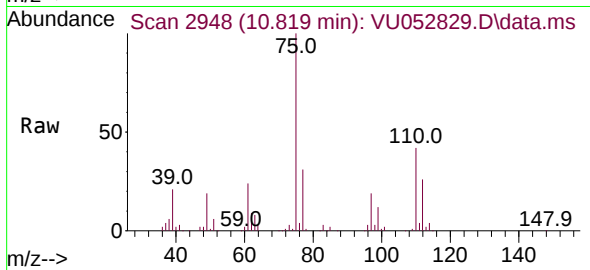




#60
1,2,3-Trichloropropane
Concen: 45.355 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

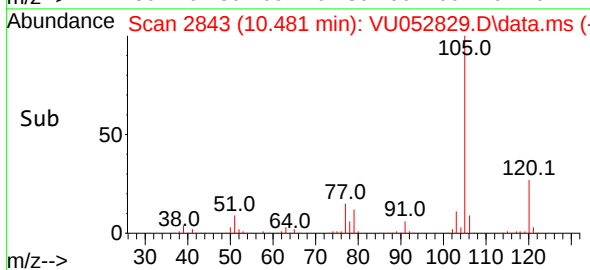
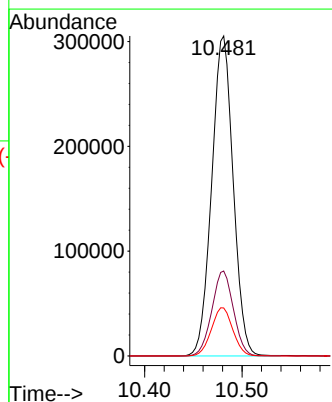
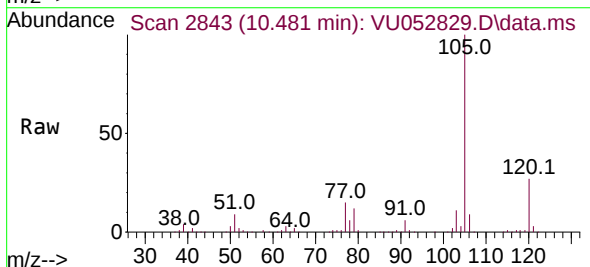
Instrument :
MSVOA_U
ClientSampleId :

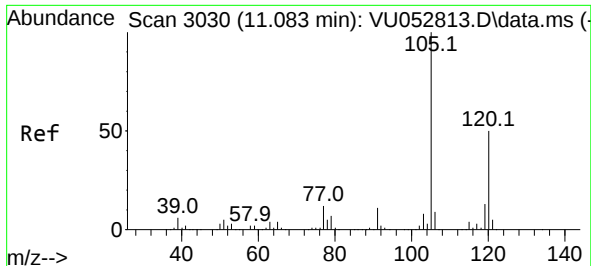
Tgt Ion: 75 Resp: 132738
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 41.7 32.4 48.6



#61
Isopropylbenzene
Concen: 47.992 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

Tgt Ion:105 Resp: 467653
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 15.1 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 48.735 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

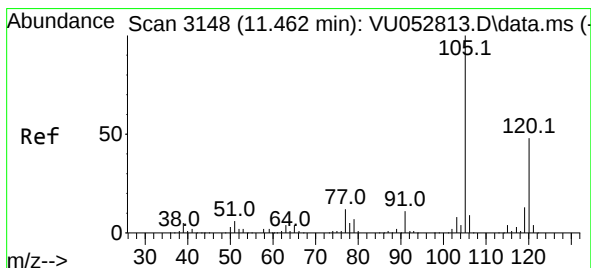
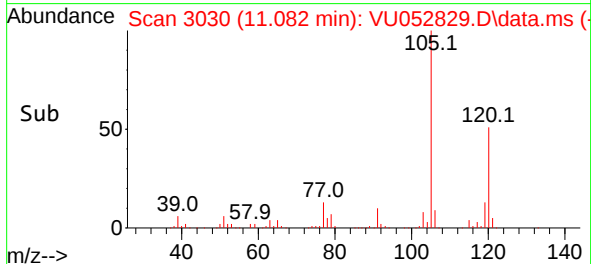
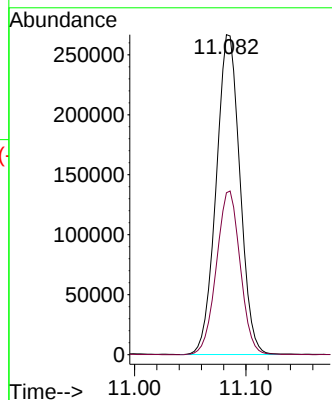
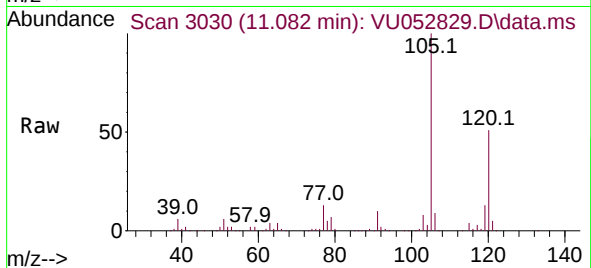
ClientSampleId :

Tgt Ion:105 Resp: 395417

Ion Ratio Lower Upper

105 100

120 51.3 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 49.597 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU052829.D

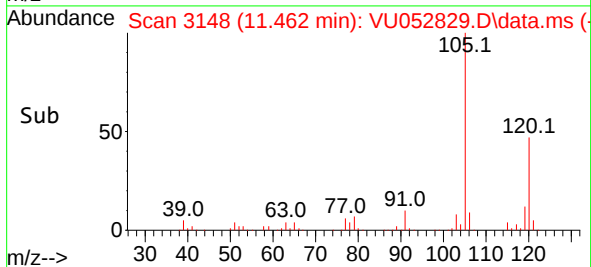
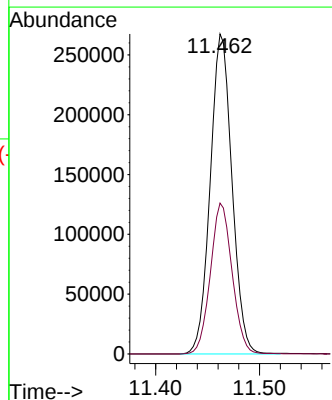
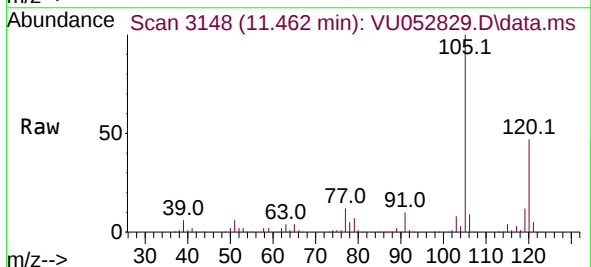
Acq: 26 Jan 2023 20:22

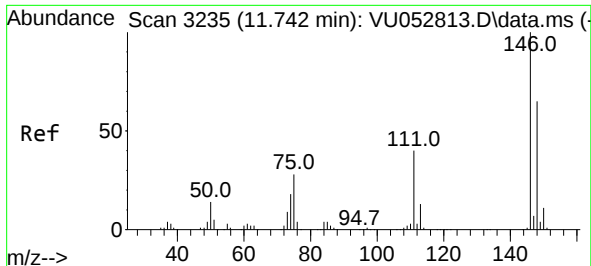
Tgt Ion:105 Resp: 389401

Ion Ratio Lower Upper

105 100

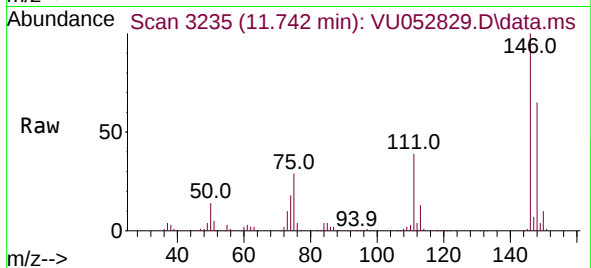
120 47.0 38.1 57.1



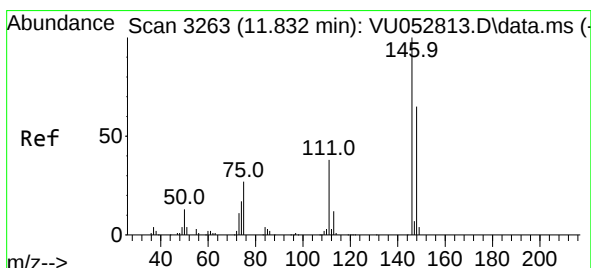
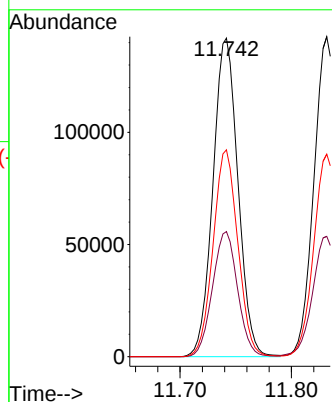
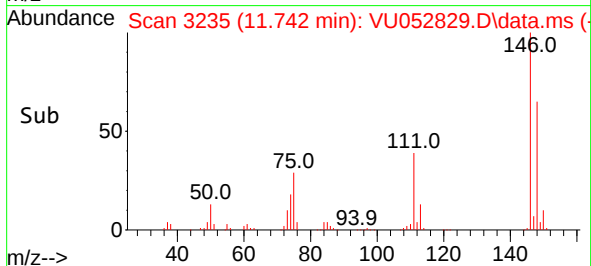


#64
1,3-Dichlorobenzene
Concen: 45.038 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22

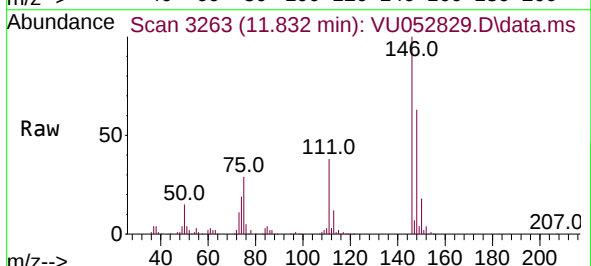
Instrument :
MSVOA_U
ClientSampleId :



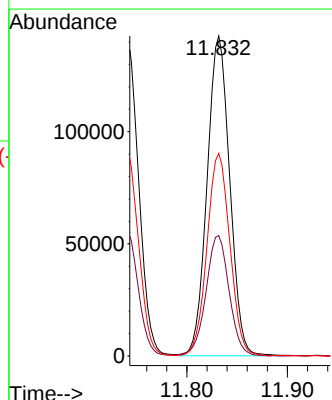
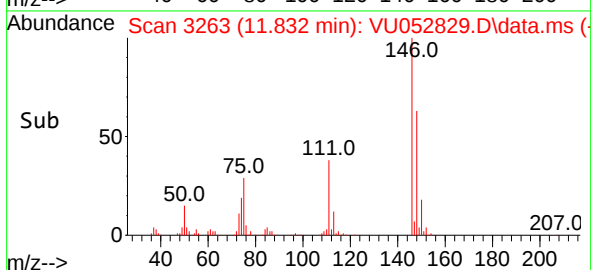
Tgt Ion:146 Resp: 221424
Ion Ratio Lower Upper
146 100
111 39.3 27.8 51.6
148 64.9 45.5 84.5

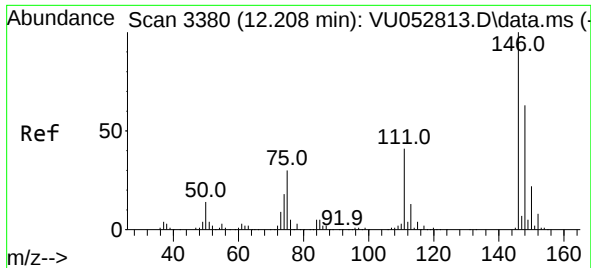


#65
1,4-Dichlorobenzene
Concen: 43.835 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052829.D
Acq: 26 Jan 2023 20:22



Tgt Ion:146 Resp: 223101
Ion Ratio Lower Upper
146 100
111 37.6 26.7 49.7
148 63.3 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 45.989 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

ClientSampleId :

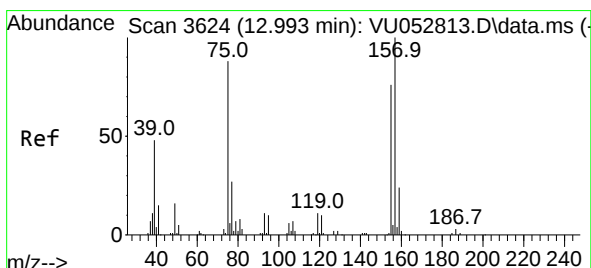
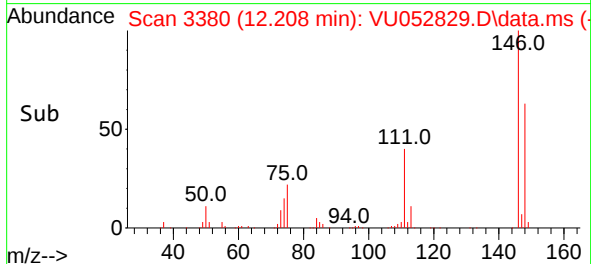
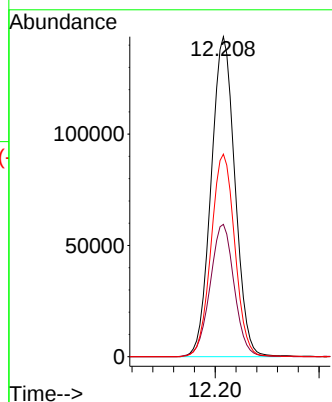
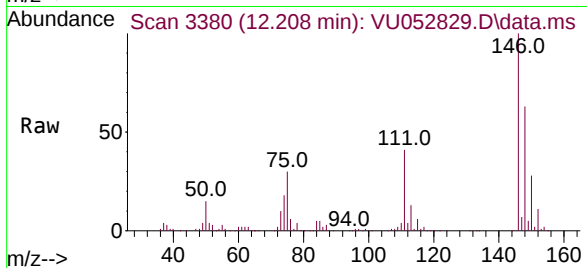
Tgt Ion:146 Resp: 228693

Ion Ratio Lower Upper

146 100

111 41.4 33.2 49.8

148 63.3 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 44.584 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

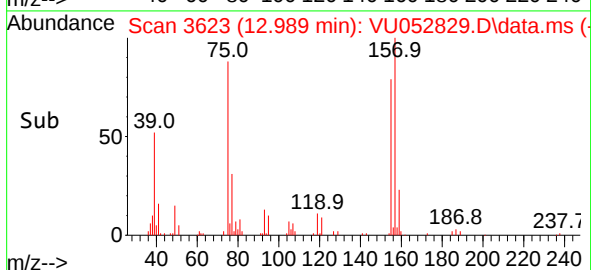
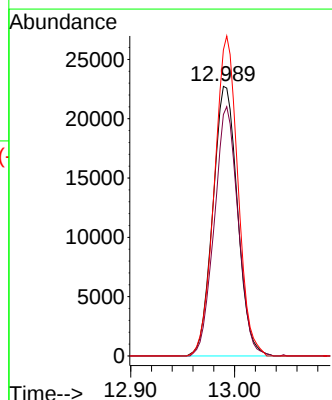
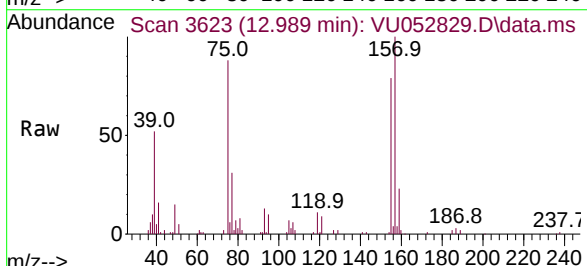
Tgt Ion: 75 Resp: 37402

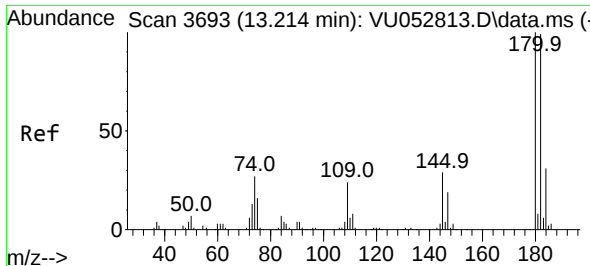
Ion Ratio Lower Upper

75 100

155 89.6 69.2 103.8

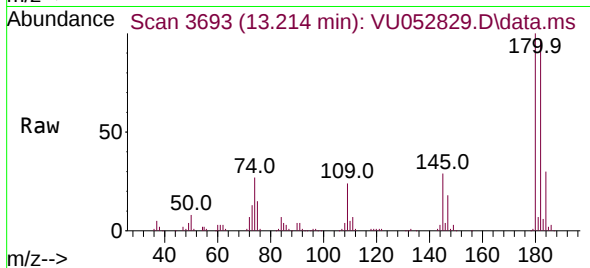
157 113.5 91.2 136.8





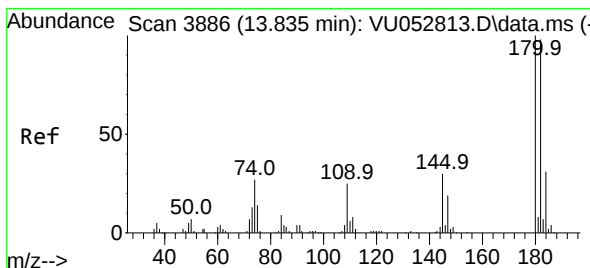
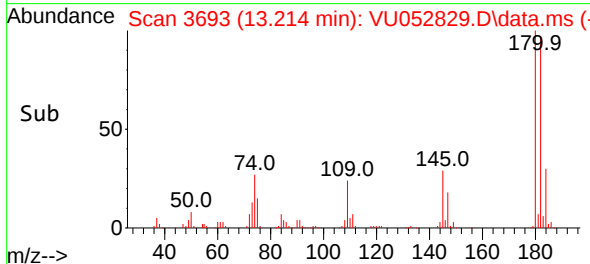
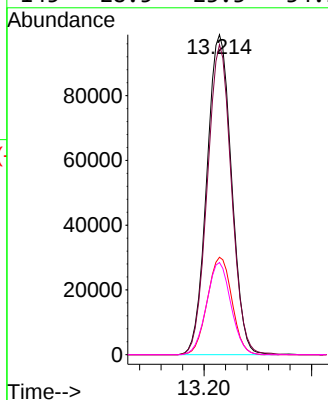
#69
 1,3,5-Trichlorobenzene
 Concen: 43.199 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 157228

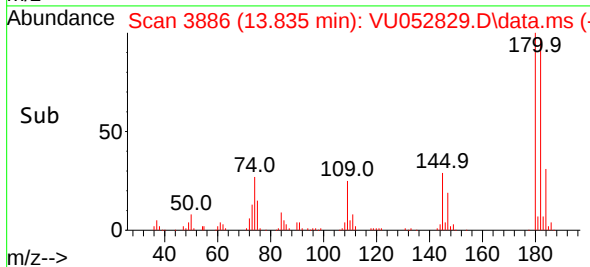
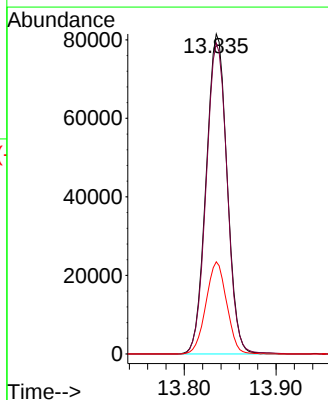
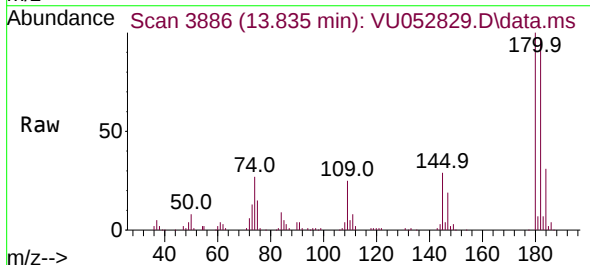
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
184	30.4	24.4	36.6
145	28.5	23.3	34.9

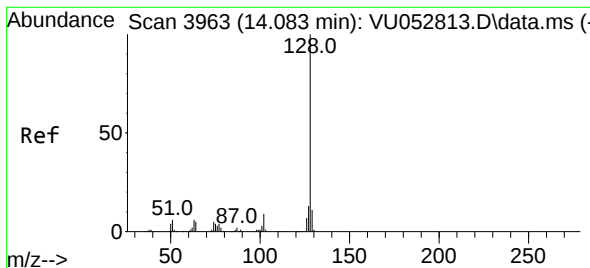


#70
 1,2,4-trichlorobenzene
 Concen: 42.348 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052829.D
 Acq: 26 Jan 2023 20:22

Tgt Ion:180 Resp: 129223

Ion	Ratio	Lower	Upper
180	100		
182	97.3	78.2	117.2
145	28.5	23.4	35.2





#71

Naphthalene

Concen: 45.007 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052829.D

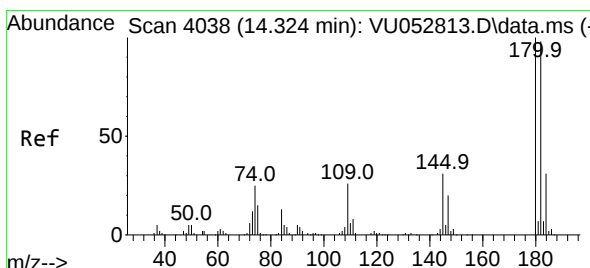
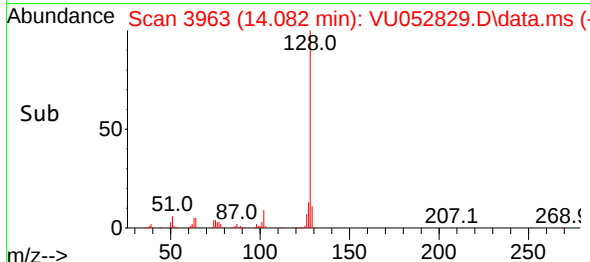
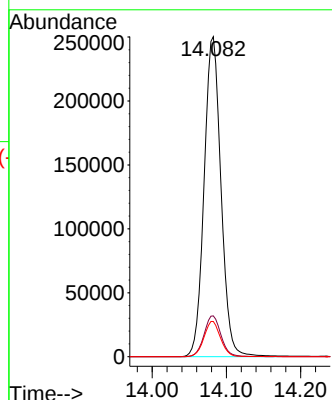
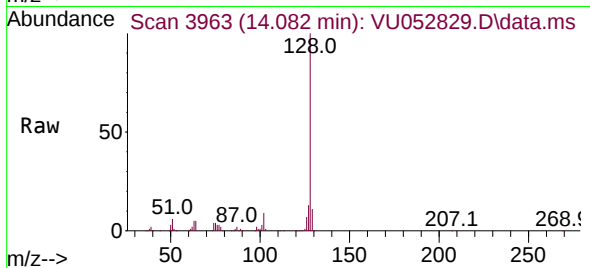
Acq: 26 Jan 2023 20:22

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	394671
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.8	13.2



#72

1,2,3-Trichlorobenzene

Concen: 43.689 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052829.D

Acq: 26 Jan 2023 20:22

Tgt Ion:	180	Resp:	140891
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.5	116.3
145	30.5	24.2	36.4

