

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052811.D
 Acq On : 26 Jan 2023 11:27
 Operator : JC/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:12:45 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	263957	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	258281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	133765	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	9814	3.483	ug/L	0.00
7) Chloroethane-d5	1.916	69	7796	3.507	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.571	63	19661	4.105	ug/L	0.00
21) 2-Butanone-d5	4.636	46	11493	6.493	ug/L	0.00
24) Chloroform-d	5.060	84	20652	4.443	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	13111	4.318	ug/L	0.00
32) Benzene-d6	5.726	84	37725	4.246	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	10976	3.617	ug/L	0.00
41) Toluene-d8	7.896	98	32834	4.307	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	4958	3.672	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	6068	5.671	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	16860	4.142	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	13190	5.008	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	14475	6.067	ug/L	99
3) Chloromethane	1.520	50	12161	4.018	ug/L	97
5) Vinyl chloride	1.604	62	13061	4.522	ug/L	96
6) Bromomethane	1.858	94	8049	5.577	ug/L	100
8) Chloroethane	1.935	64	8329	4.491	ug/L	88
9) Trichlorofluoromethane	2.137	101	22048	6.269	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	12685	6.086	ug/L	98
12) 1,1-Dichloroethene	2.578	96	10823	5.614	ug/L	96
13) Acetone	2.639	43	19560	10.477	ug/L	100
14) Carbon disulfide	2.793	76	35536	6.034	ug/L	97
15) Methyl Acetate	2.948	43	11396	4.000	ug/L	97
16) Methylene chloride	3.047	84	14192	5.637	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	12115	5.984	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	33364	5.176	ug/L	98
19) 1,1-Dichloroethane	3.867	63	20908	4.693	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	12192	5.421	ug/L	100
22) 2-Butanone	4.713	43	15935	7.379	ug/L	99
23) Bromochloromethane	4.973	128	7377	6.331	ug/L #	93
25) Chloroform	5.086	83	24338	5.632	ug/L	97
27) 1,2-Dichloroethane	5.793	62	19157	5.390	ug/L	100
29) Cyclohexane	5.385	56	14658	4.235	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	21447	6.134	ug/L	96
31) Carbon tetrachloride	5.517	117	10544	3.593	ug/L #	32
33) Benzene	5.771	78	48185	5.218	ug/L	100
34) Trichloroethene	6.539	95	12540	5.833	ug/L	92
35) Methylcyclohexane	6.761	83	17021	5.000	ug/L	96
37) 1,2-Dichloropropane	6.790	63	12252	4.638	ug/L	98
38) Bromodichloromethane	7.102	83	18192	5.561	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	16752	4.667	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	25052	7.273	ug/L	97
42) Toluene	7.967	91	45790	5.083	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	16727	4.832	ug/L	99

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 MSVOA_U
 ClientSampleId :

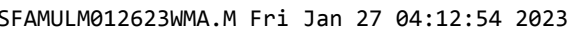
Quant Time: Jan 27 04:12:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
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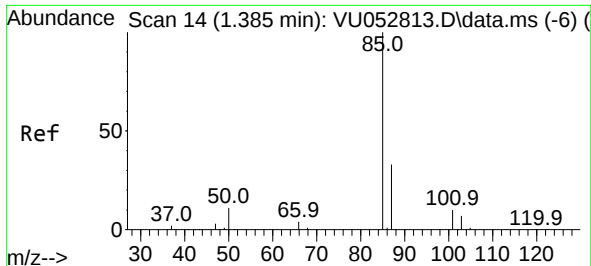
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.398	97	12300	5.456	ug/L	96
46) Tetrachloroethene	8.549	164	10404	6.698	ug/L	97
48) 2-Hexanone	8.684	43	21666	7.625	ug/L	97
49) Dibromochloromethane	8.806	129	14466	5.997	ug/L	99
50) 1,2-Dibromoethane	8.918	107	12690	5.508	ug/L	95
51) Chlorobenzene	9.446	112	34418	5.941	ug/L	97
52) Ethylbenzene	9.568	91	46956	4.997	ug/L	99
53) m,p-Xylene	9.690	106	18694	5.249	ug/L	97
54) o-xylene	10.099	106	17642	5.144	ug/L	93
55) Styrene	10.111	104	29547	4.902	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	19200	4.781	ug/L	91
59) Bromoform	10.288	173	10736	6.695	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	15672	5.238	ug/L	99
61) Isopropylbenzene	10.481	105	44494	5.364	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	33662	4.943	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	31742	4.733	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	25093	6.283	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	27136	6.459	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	25272	6.141	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	4500	5.380	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	17877	6.277	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	15372	6.388	ug/L	97
71) Naphthalene	14.082	128	43103	5.868	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	16731	6.741	ug/L	97

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

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Quant Title : VOC Analysis
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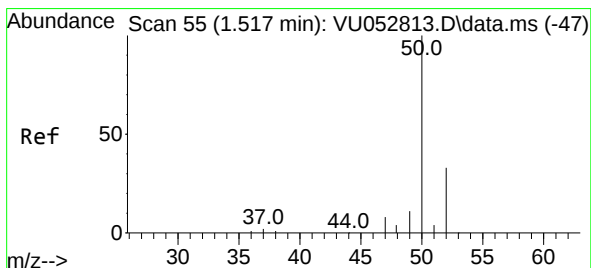
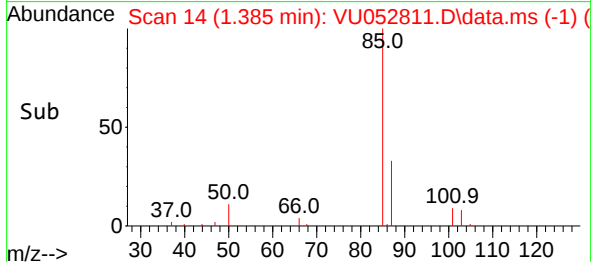
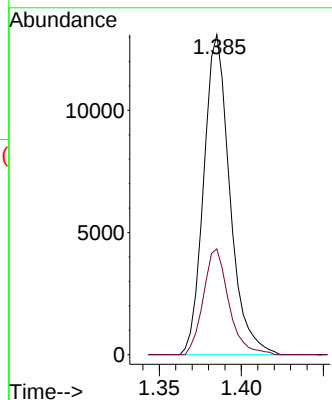
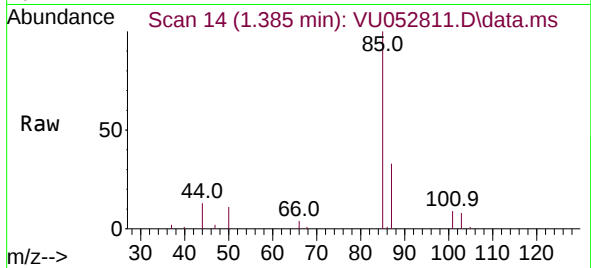




#2
Dichlorodifluoromethane
Concen: 6.067 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

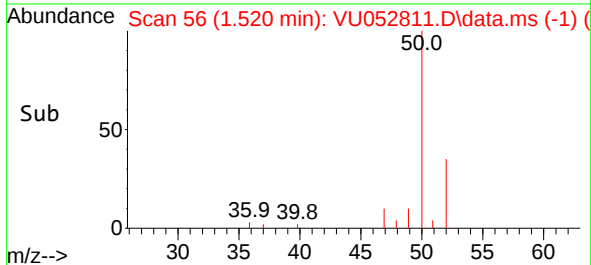
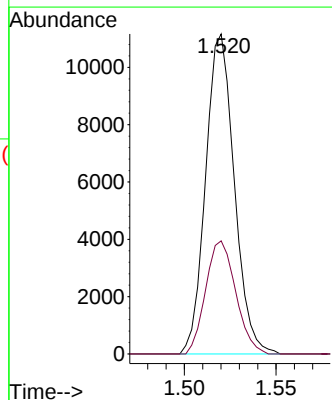
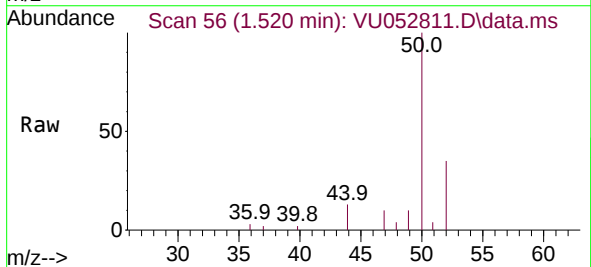
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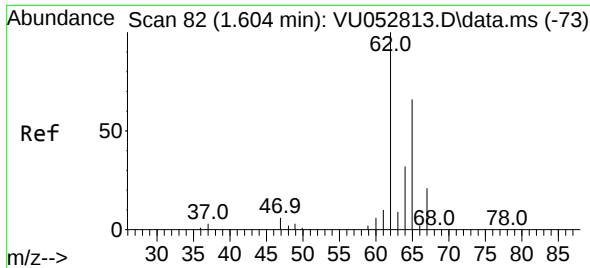
Tgt Ion: 85 Resp: 14475
Ion Ratio Lower Upper
85 100
87 32.2 26.4 39.6



#3
Chloromethane
Concen: 4.018 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 50 Resp: 12161
Ion Ratio Lower Upper
50 100
52 35.4 23.4 43.4

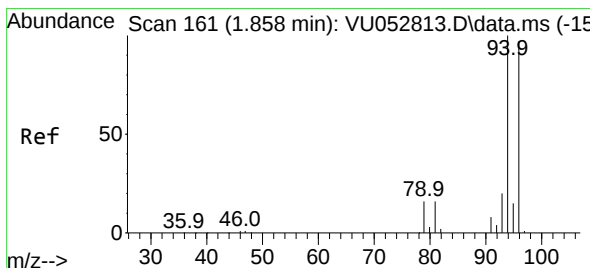
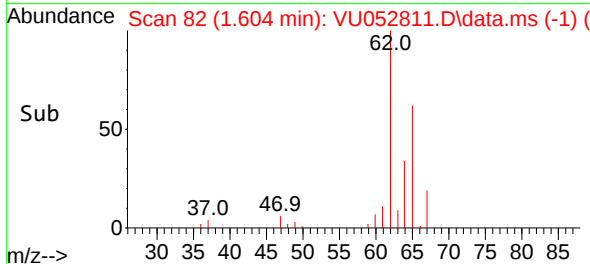
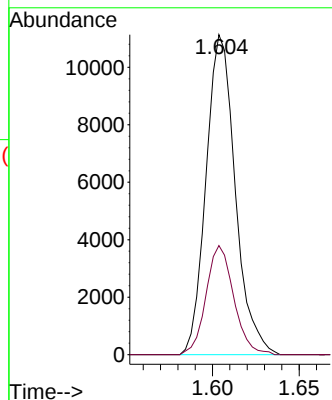
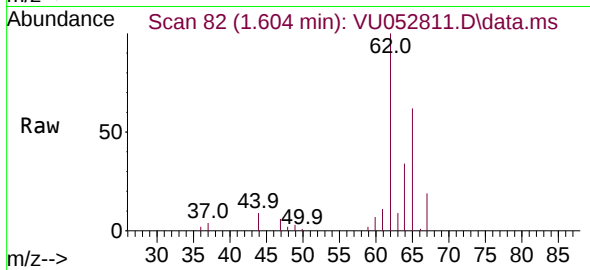




#5
 Vinyl chloride
 Concen: 4.522 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

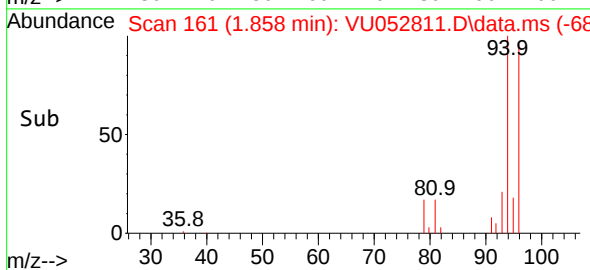
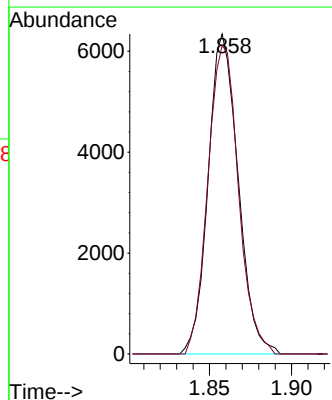
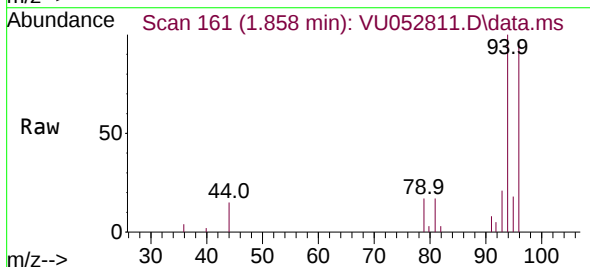
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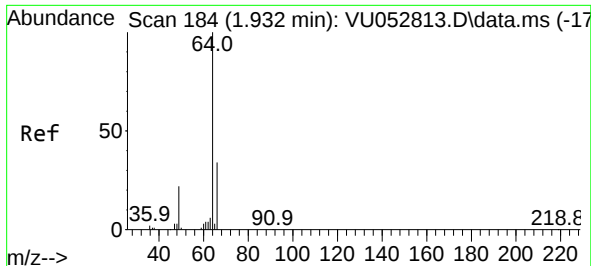
Tgt Ion: 62 Resp: 13061
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.4 41.6



#6
 Bromomethane
 Concen: 5.577 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

Tgt Ion: 94 Resp: 8049
 Ion Ratio Lower Upper
 94 100
 96 96.4 67.8 125.8

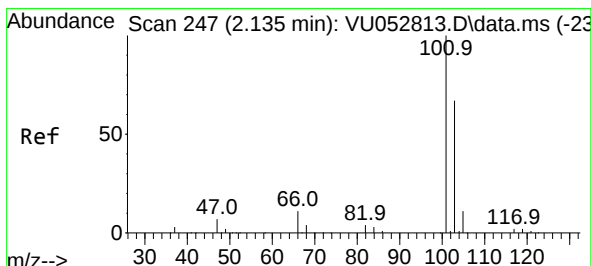
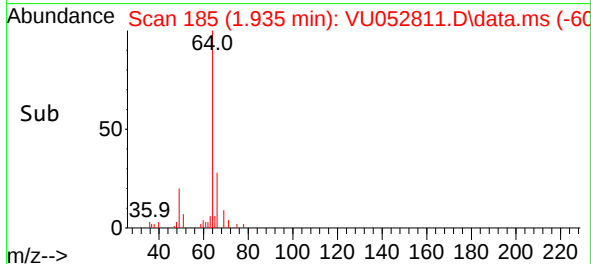
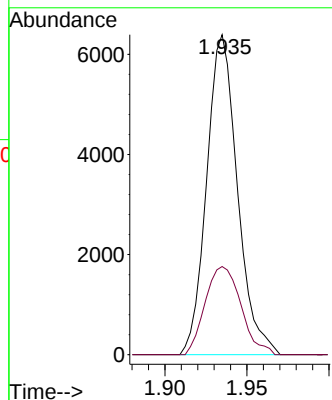
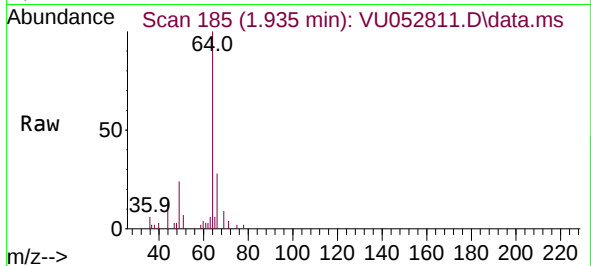




#8
Chloroethane
Concen: 4.491 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

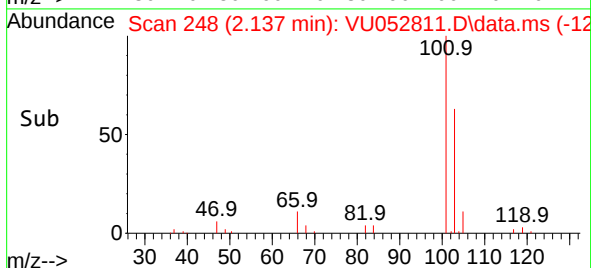
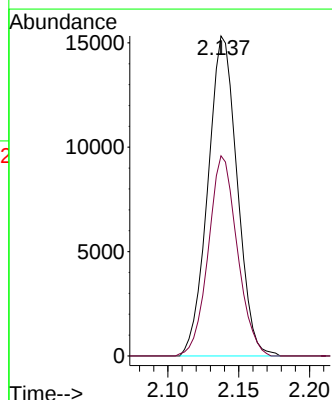
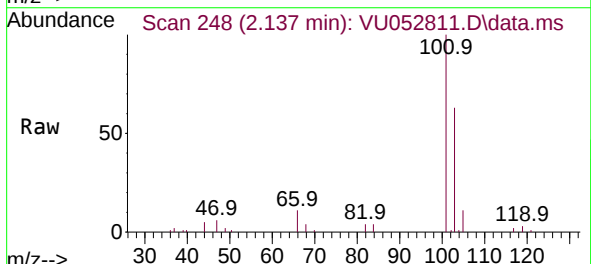
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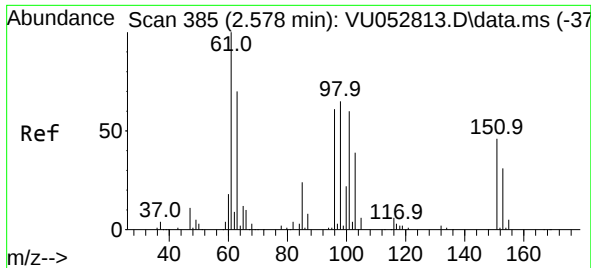
Tgt Ion: 64 Resp: 8329
Ion Ratio Lower Upper
64 100
66 27.5 24.1 44.7



#9
Trichlorofluoromethane
Concen: 6.269 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:101 Resp: 22048
Ion Ratio Lower Upper
101 100
103 61.8 52.0 78.0

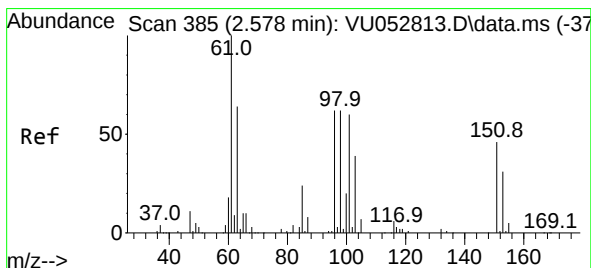
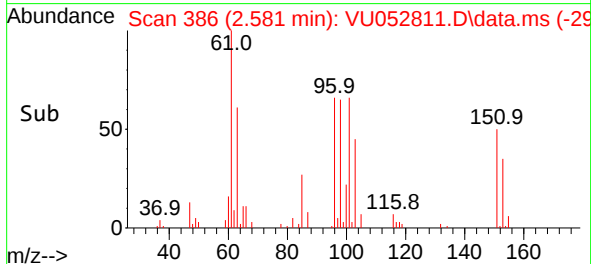
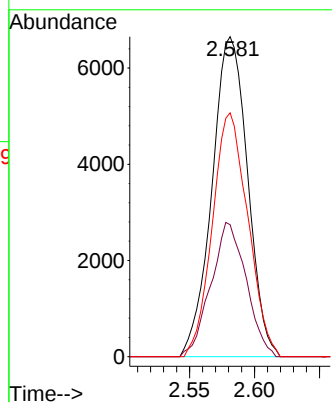
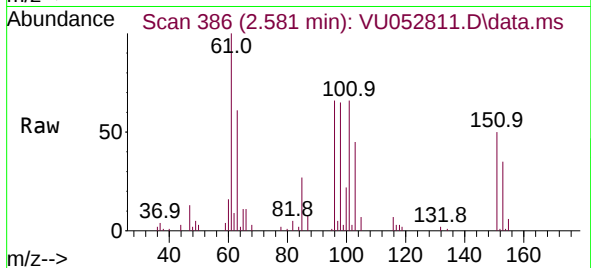




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.086 ug/L
 RT: 2.581 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

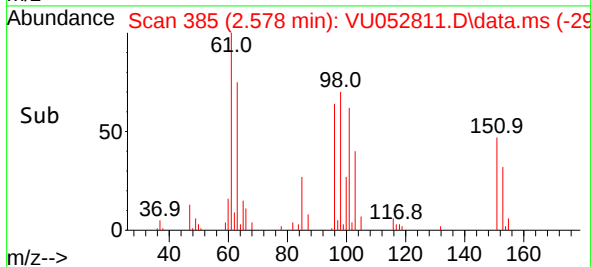
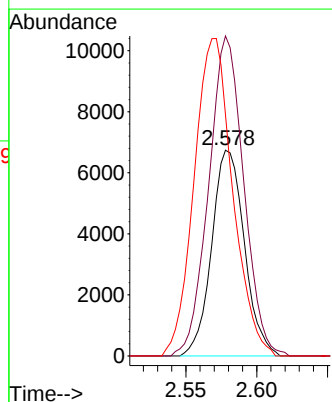
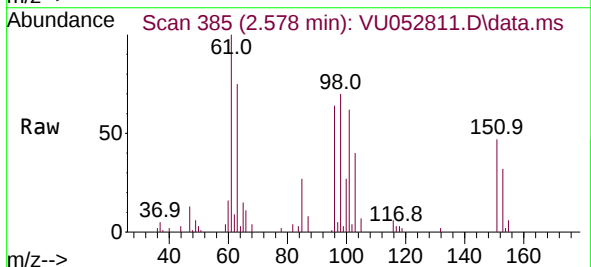
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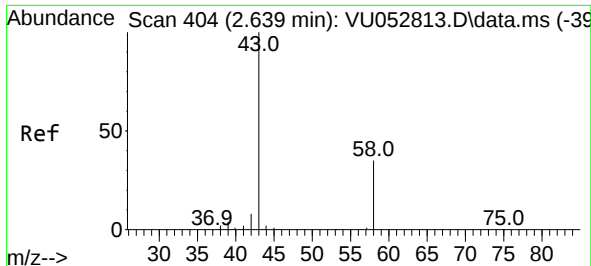
Tgt Ion:101 Resp: 12685
 Ion Ratio Lower Upper
 101 100
 85 41.5 32.9 49.3
 151 75.9 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 5.614 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

Tgt Ion: 96 Resp: 10823
 Ion Ratio Lower Upper
 96 100
 61 155.6 114.3 212.3
 63 117.3 80.6 149.6





#13

Acetone

Concen: 10.477 ug/L

RT: 2.639 min Scan# 404

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

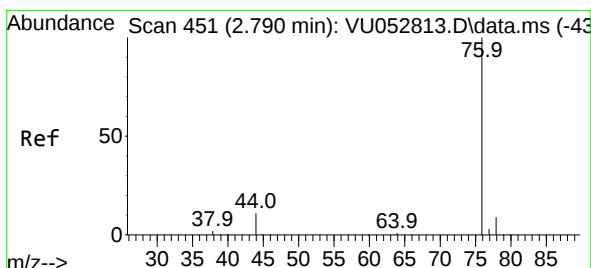
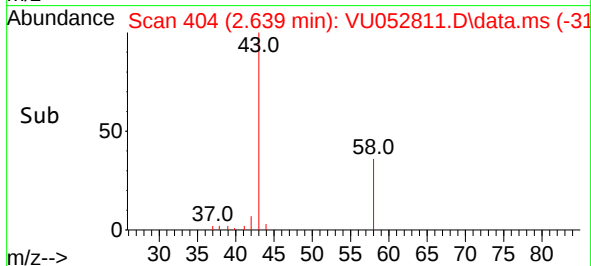
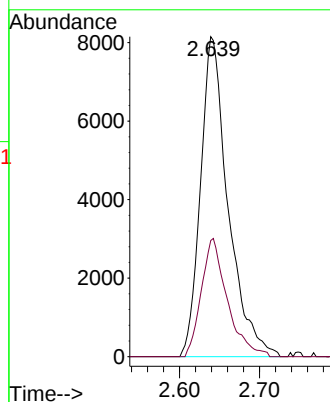
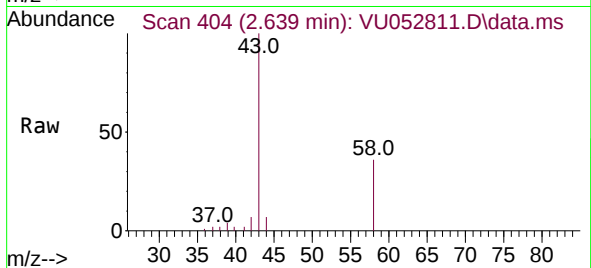
ClientSampleId :

Tgt Ion: 43 Resp: 19560

Ion Ratio Lower Upper

43 100

58 34.9 0.0 70.2



#14

Carbon disulfide

Concen: 6.034 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052811.D

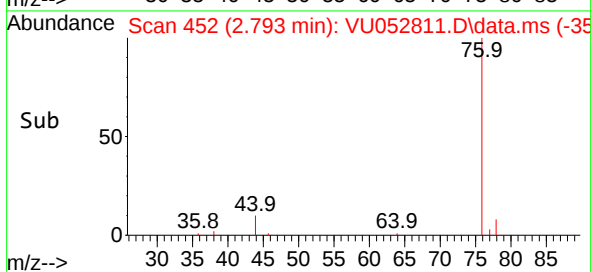
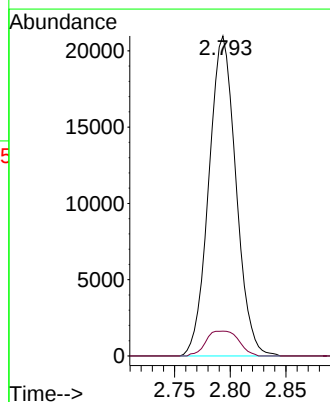
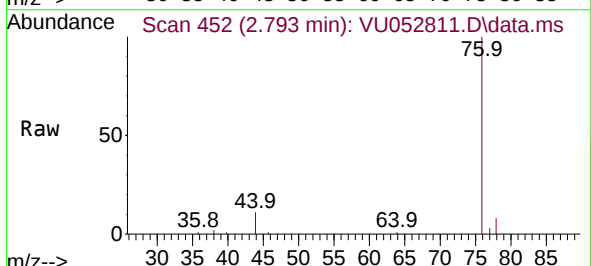
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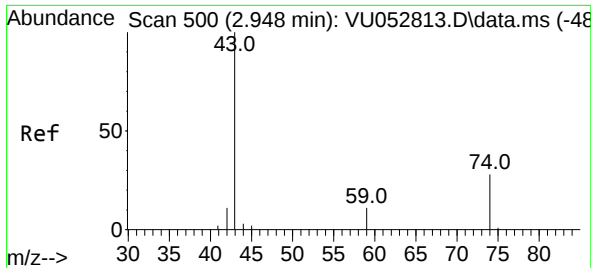
Tgt Ion: 76 Resp: 35536

Ion Ratio Lower Upper

76 100

78 7.7 7.1 10.7

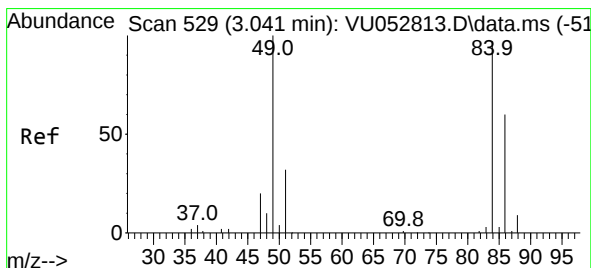
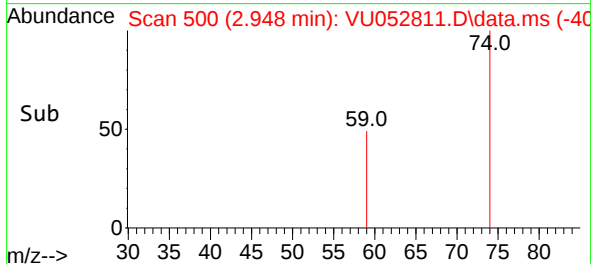
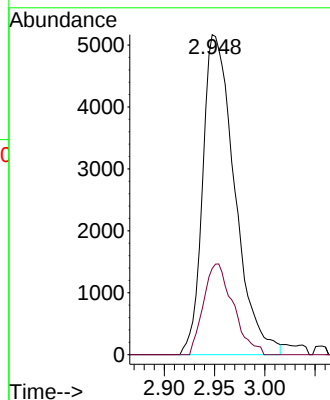
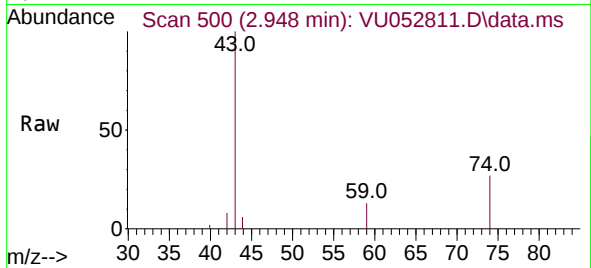




#15
Methyl Acetate
Concen: 4.000 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

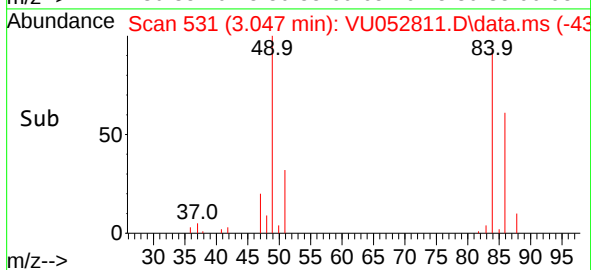
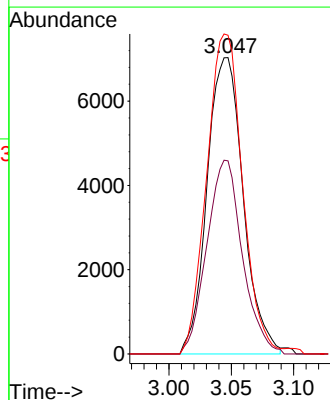
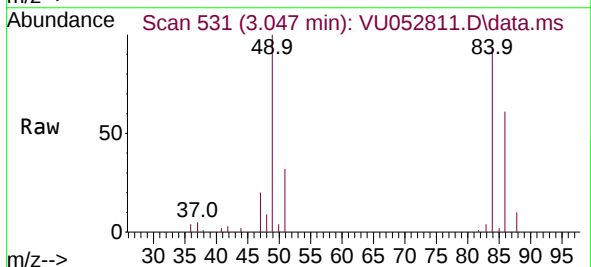
Instrument :
MSVOA_U
ClientSampleId :

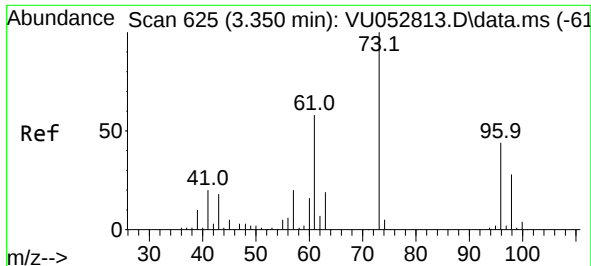
Tgt Ion: 43 Resp: 11396
Ion Ratio Lower Upper
43 100
74 26.2 22.0 33.0



#16
Methylene chloride
Concen: 5.637 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 84 Resp: 14192
Ion Ratio Lower Upper
84 100
86 65.2 43.4 80.6
49 107.5 72.4 134.5

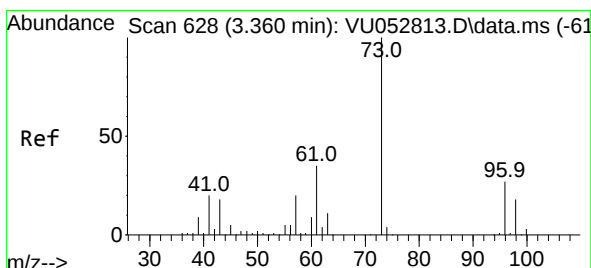
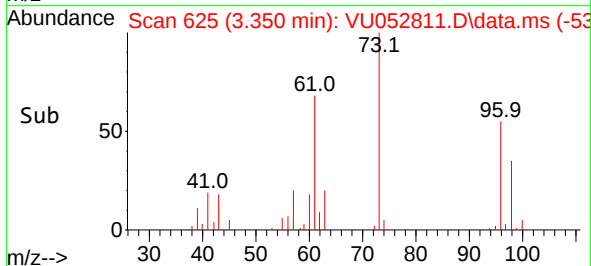
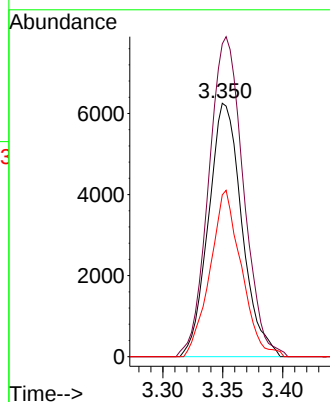
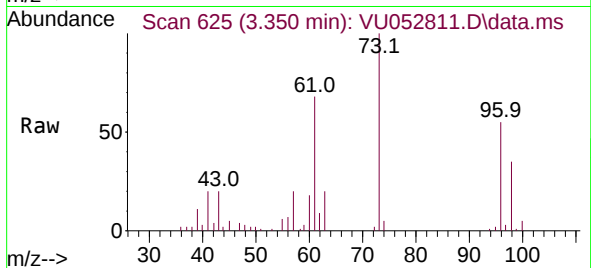




#17
trans-1,2-Dichloroethene
Concen: 5.984 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

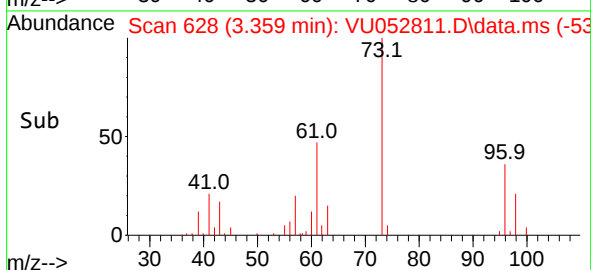
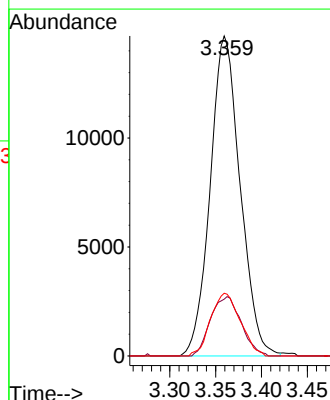
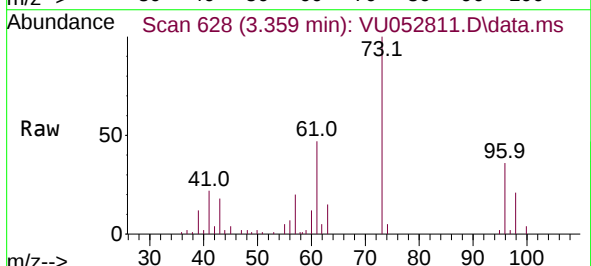
Instrument :
MSVOA_U
ClientSampleId :

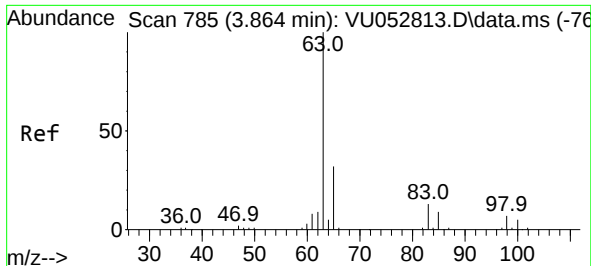
Tgt Ion: 96 Resp: 12115
Ion Ratio Lower Upper
96 100
61 123.4 92.7 172.3
98 63.8 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 5.176 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 73 Resp: 33364
Ion Ratio Lower Upper
73 100
43 19.0 14.2 21.2
57 19.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 4.693 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

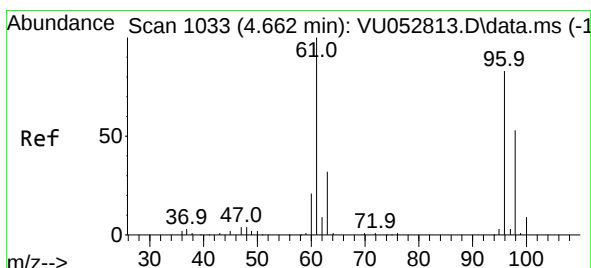
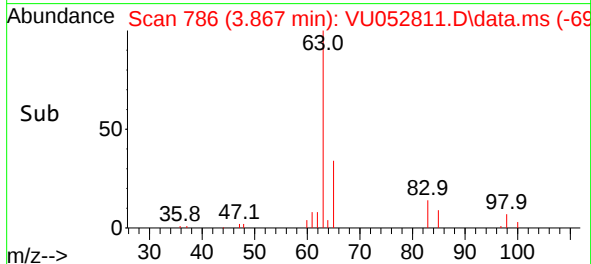
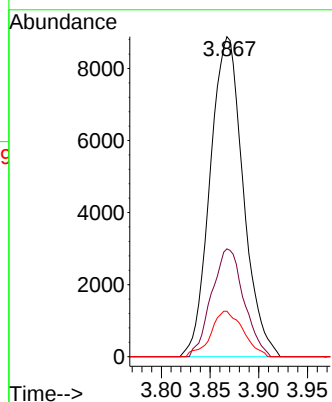
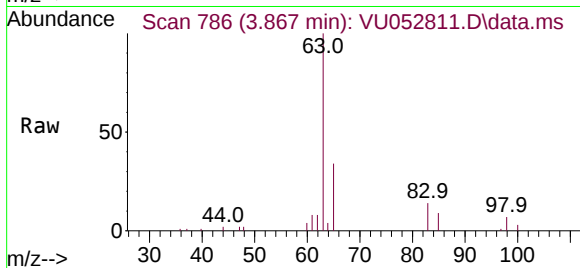
Tgt Ion: 63 Resp: 20908

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

83 14.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 5.421 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

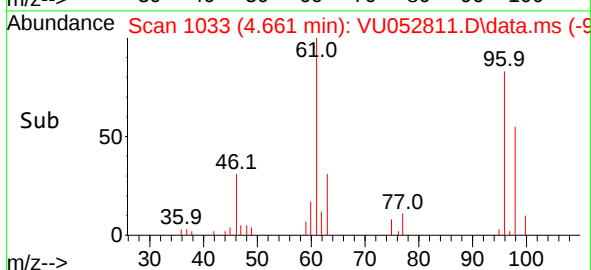
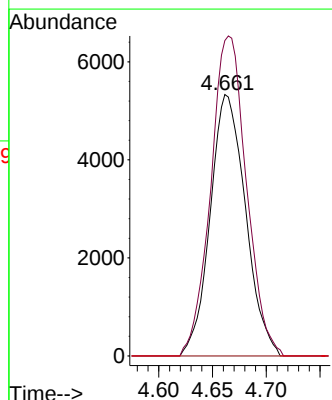
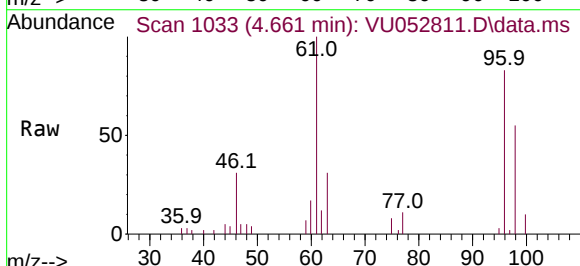
Tgt Ion: 96 Resp: 12192

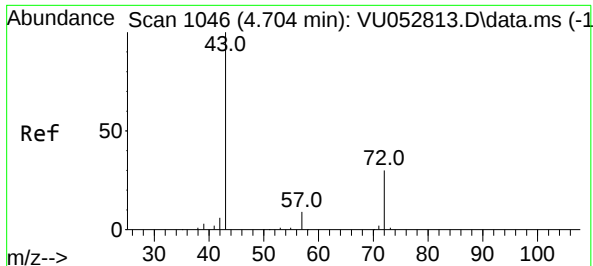
Ion Ratio Lower Upper

96 100

61 120.7 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 7.379 ug/L

RT: 4.713 min Scan# 110

Delta R.T. 0.009 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

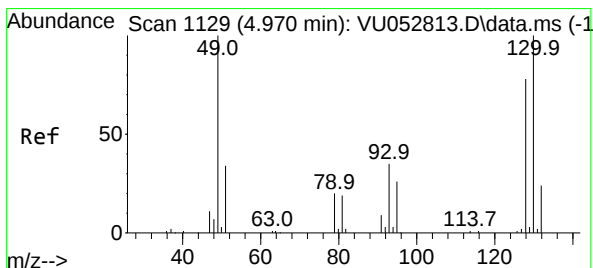
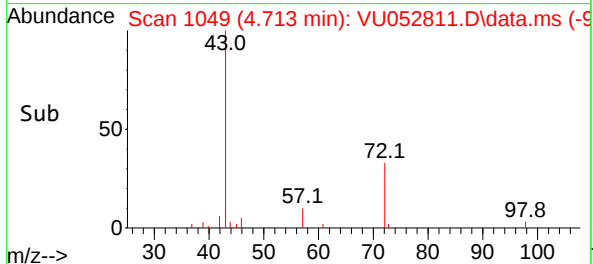
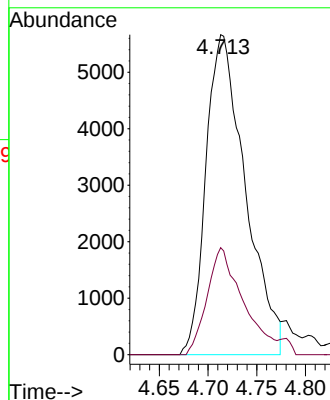
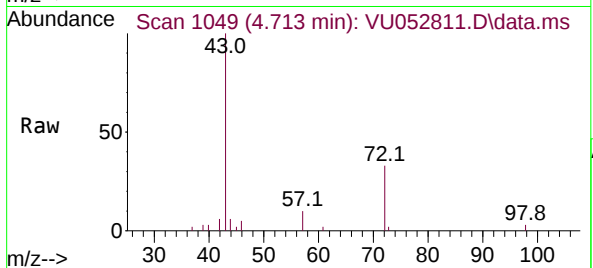
ClientSampleId :

Tgt Ion: 43 Resp: 15935

Ion Ratio Lower Upper

43 100

72 30.5 15.5 46.5



#23

Bromochloromethane

Concen: 6.331 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Tgt Ion: 128 Resp: 7377

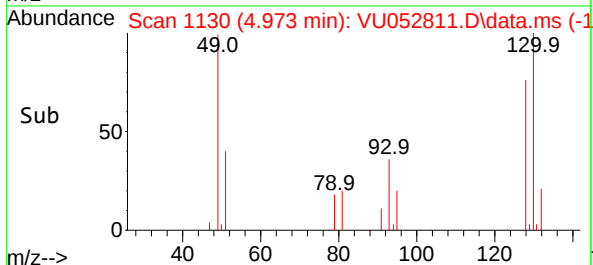
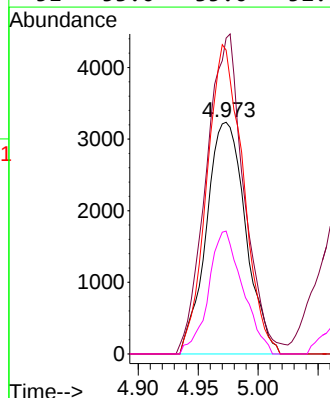
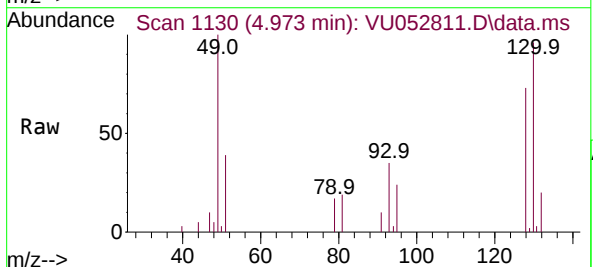
Ion Ratio Lower Upper

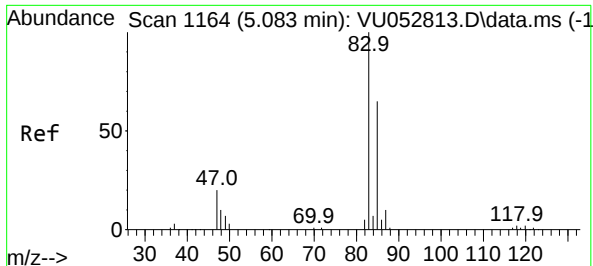
128 100

49 136.4 90.1 167.3

130 135.2 90.1 167.3

51 53.0 35.0 52.6#

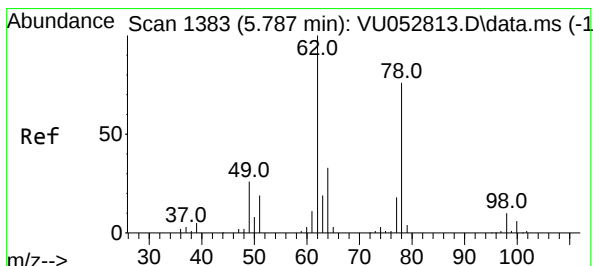
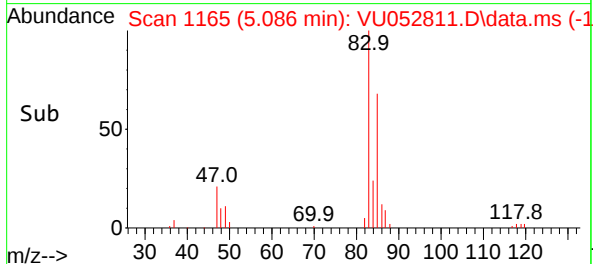
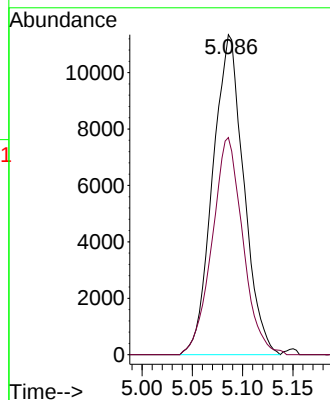
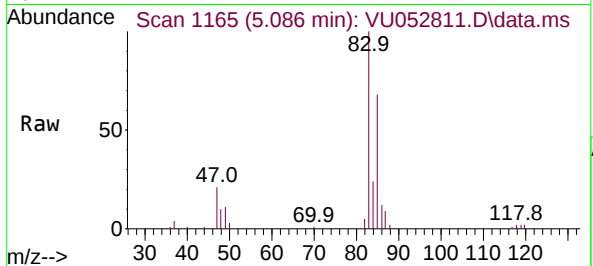




#25
Chloroform
Concen: 5.632 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

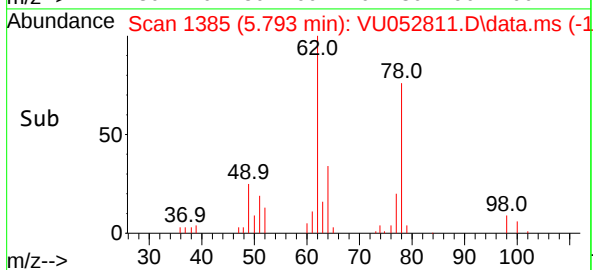
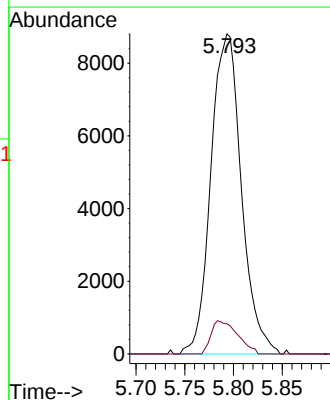
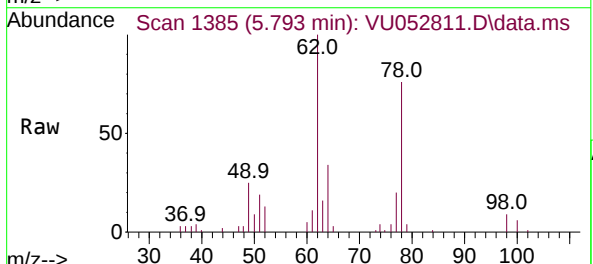
Instrument :
MSVOA_U
ClientSampleId :

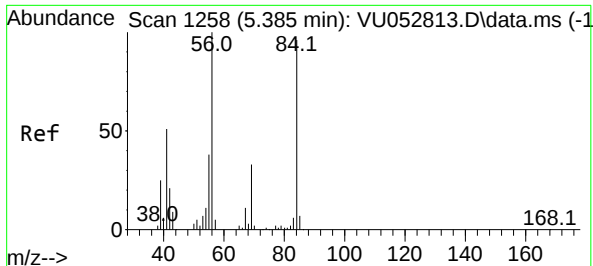
Tgt Ion: 83 Resp: 24338
Ion Ratio Lower Upper
83 100
85 67.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.390 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 62 Resp: 19157
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 4.235 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

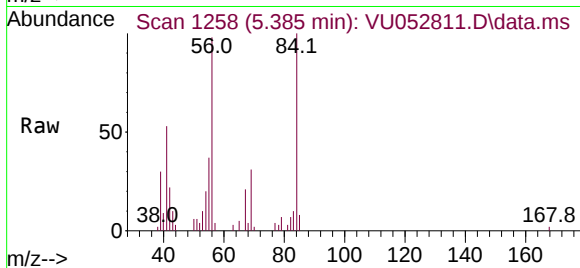
Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :



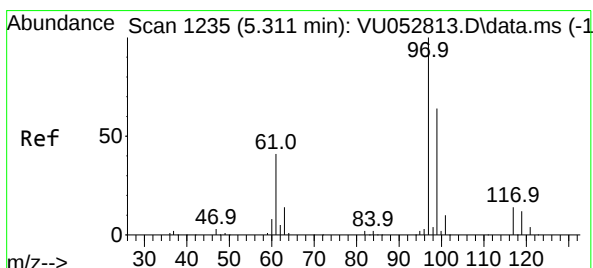
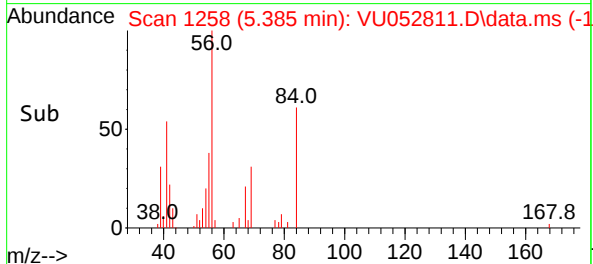
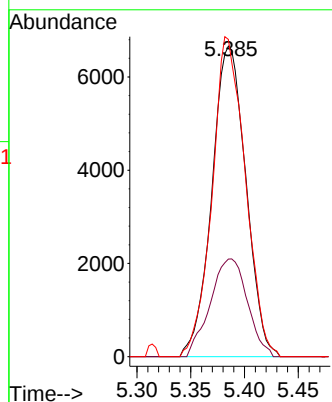
Tgt Ion: 56 Resp: 14658

Ion Ratio Lower Upper

56 100

69 34.4 26.6 40.0

84 100.1 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 6.134 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

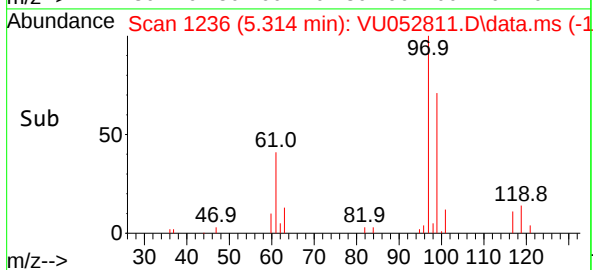
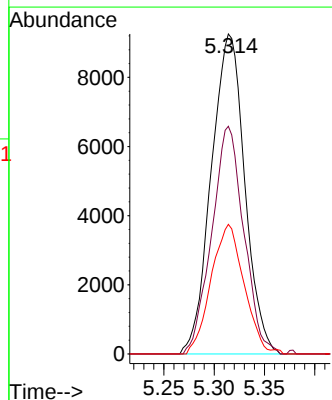
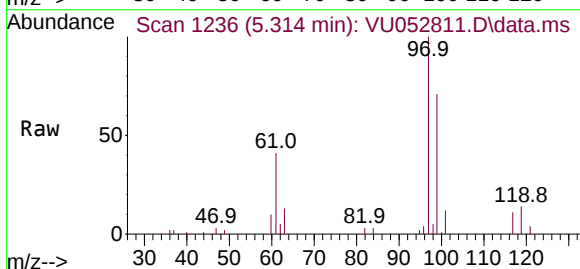
Tgt Ion: 97 Resp: 21447

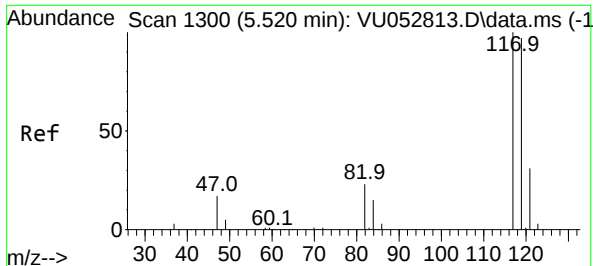
Ion Ratio Lower Upper

97 100

99 68.2 51.4 77.0

61 39.6 33.0 49.6

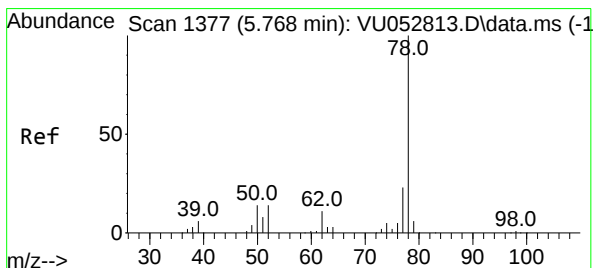
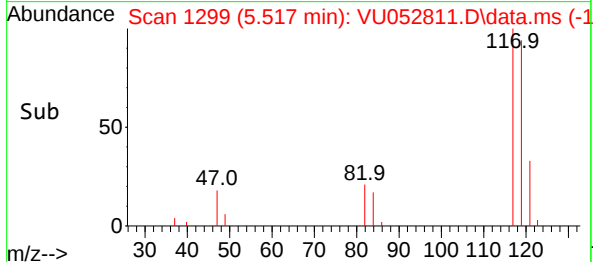
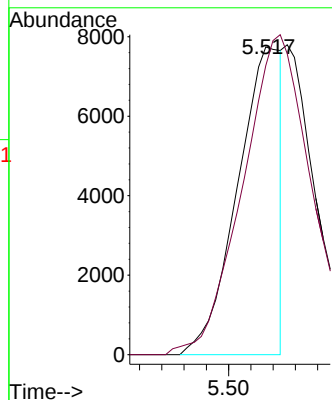
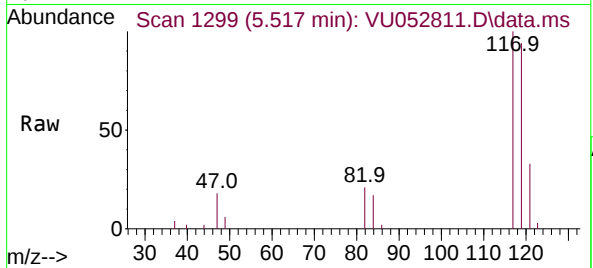




#31
Carbon tetrachloride
Concen: 3.593 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.004 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

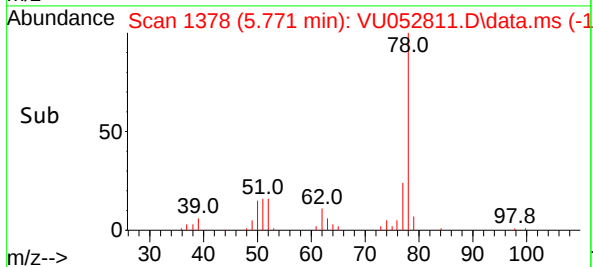
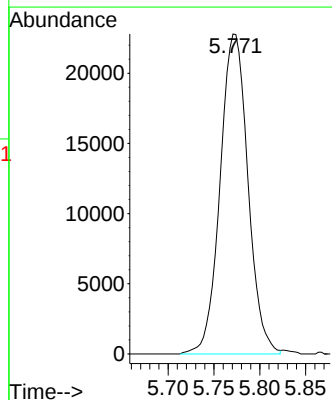
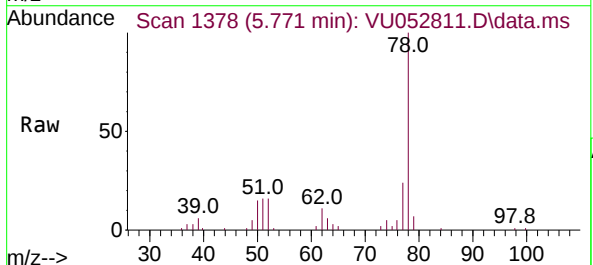
Instrument :
MSVOA_U
ClientSampleId :

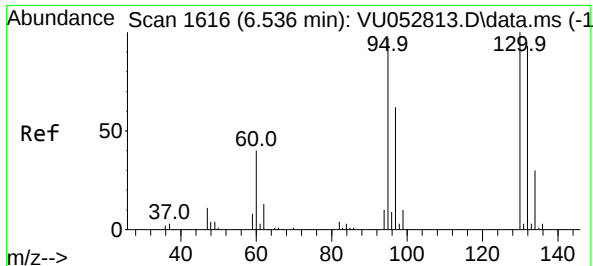
Tgt Ion:117 Resp: 10544
Ion Ratio Lower Upper
117 100
119 161.7 76.2 114.4#



#33
Benzene
Concen: 5.218 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 78 Resp: 48185

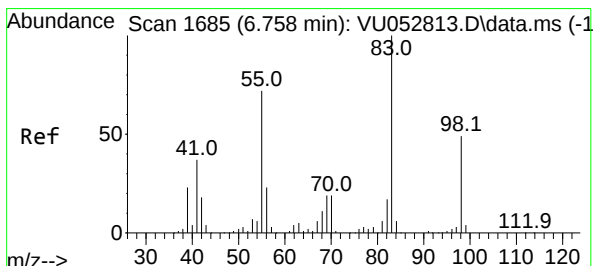
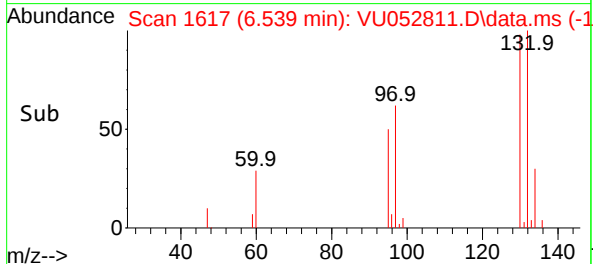
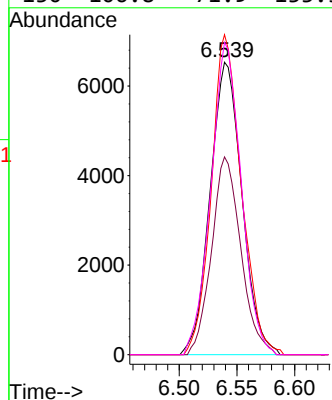
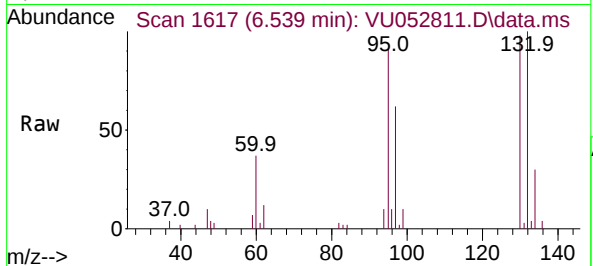




#34
Trichloroethene
Concen: 5.833 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

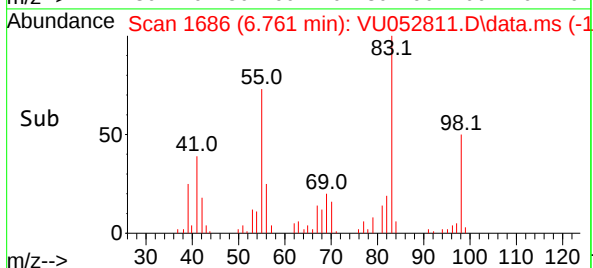
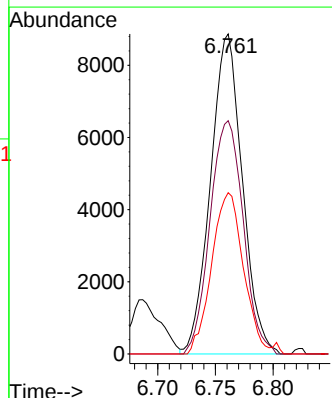
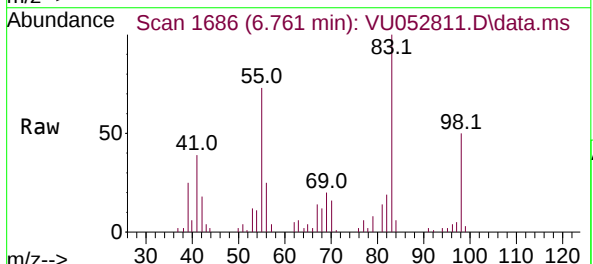
Instrument :
MSVOA_U
ClientSampleId :

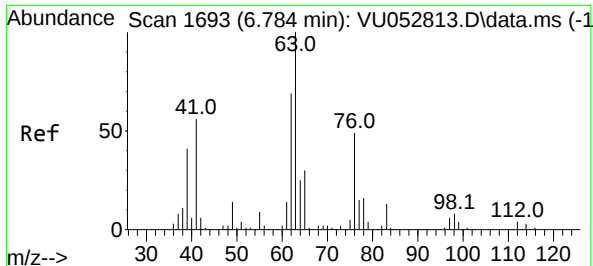
Tgt Ion: 95 Resp: 12540
Ion Ratio Lower Upper
95 100
97 67.6 44.5 82.7
132 109.4 66.8 124.0
130 106.8 71.9 133.5



#35
Methylcyclohexane
Concen: 5.000 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 83 Resp: 17021
Ion Ratio Lower Upper
83 100
55 75.9 57.1 85.7
98 50.2 38.9 58.3

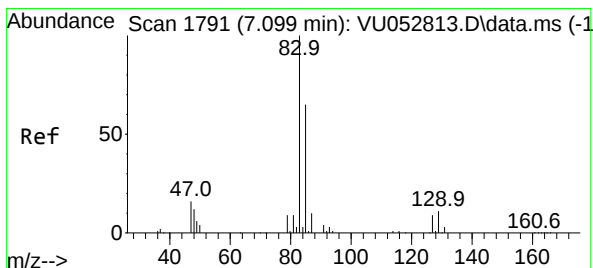
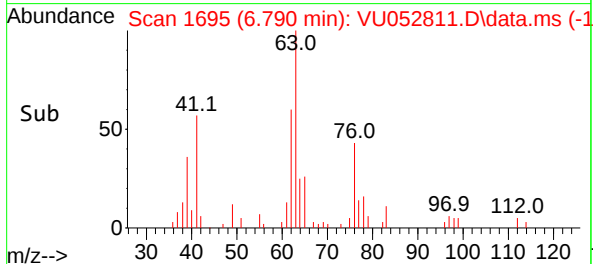
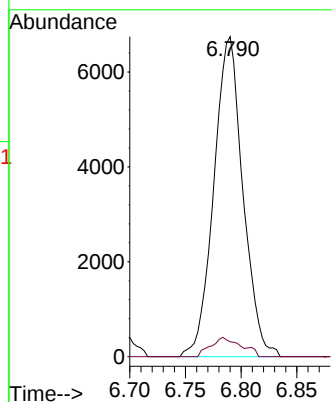
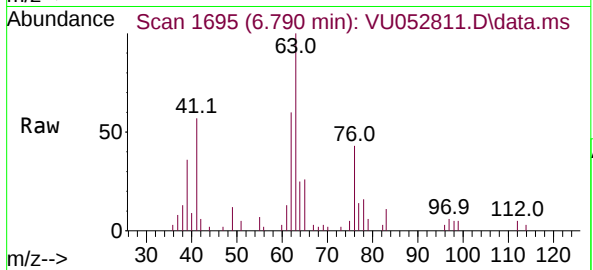




#37
1,2-Dichloropropane
Concen: 4.638 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

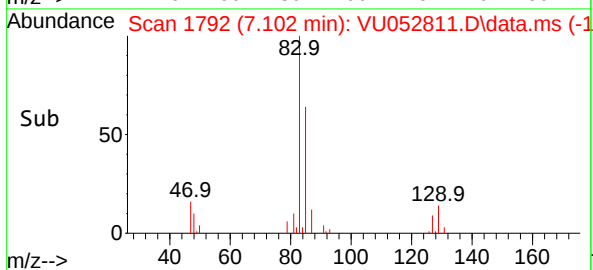
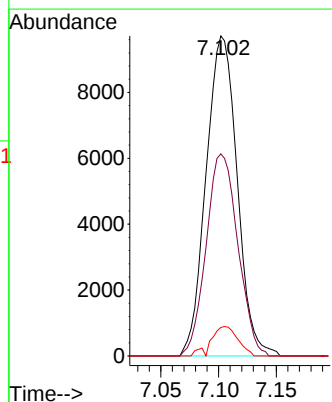
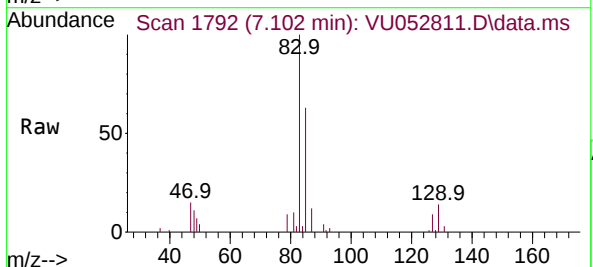
Instrument :
MSVOA_U
ClientSampleId :

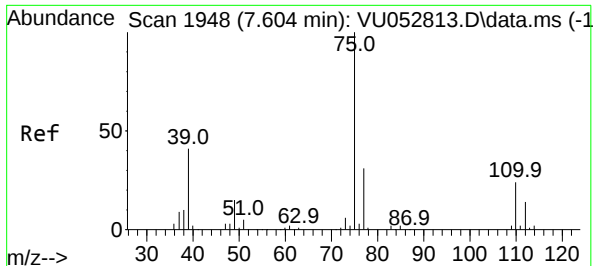
Tgt Ion: 63 Resp: 12252
Ion Ratio Lower Upper
63 100
112 5.4 3.8 5.8



#38
Bromodichloromethane
Concen: 5.561 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 83 Resp: 18192
Ion Ratio Lower Upper
83 100
85 63.2 45.2 84.0
127 8.9 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 4.667 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

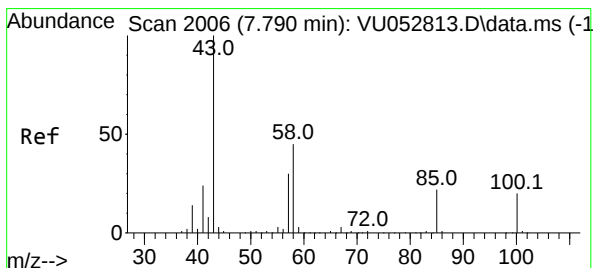
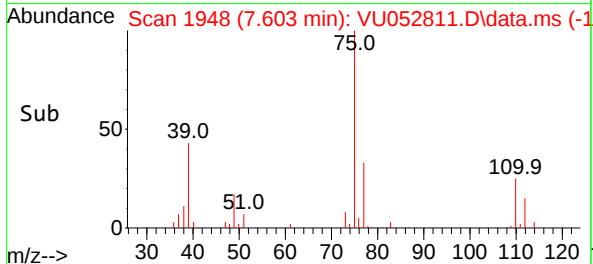
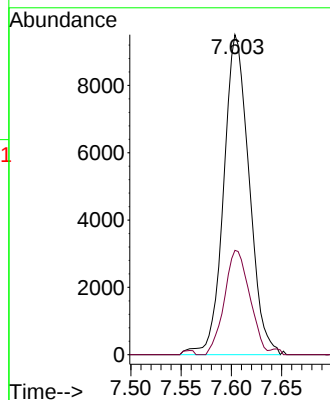
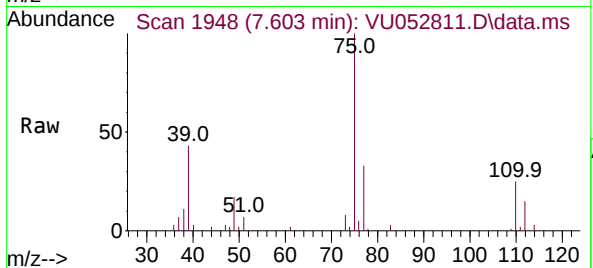
ClientSampleId :

Tgt Ion: 75 Resp: 16752

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 7.273 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

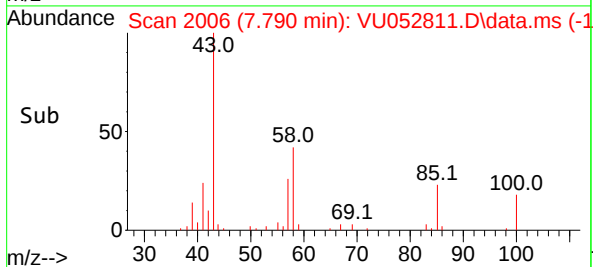
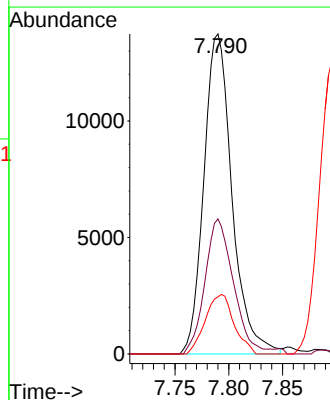
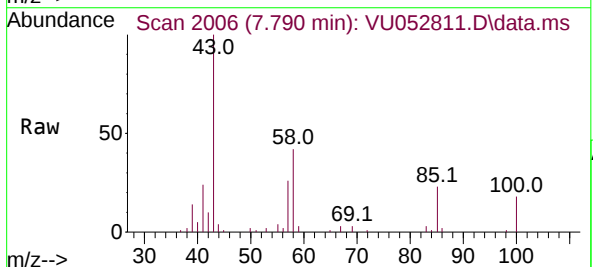
Tgt Ion: 43 Resp: 25052

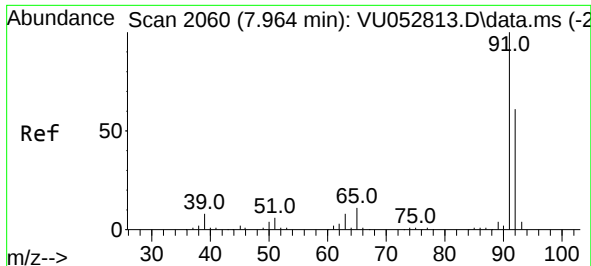
Ion Ratio Lower Upper

43 100

58 42.4 35.4 53.2

100 18.8 16.0 24.0





#42

Toluene

Concen: 5.083 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

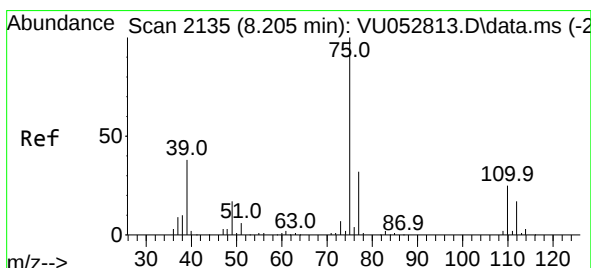
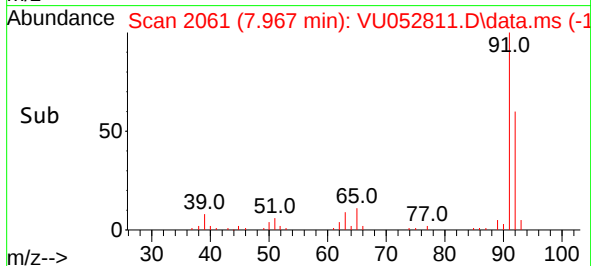
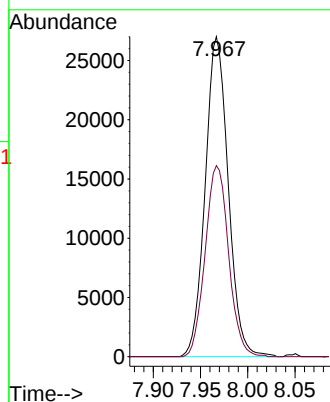
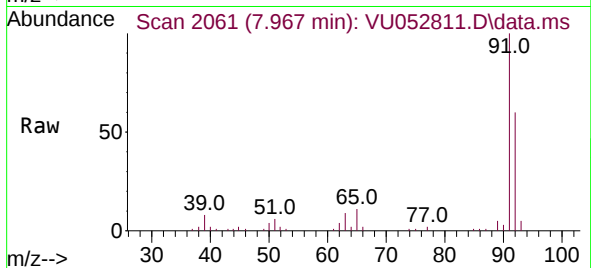
ClientSampleId :

Tgt Ion: 91 Resp: 45790

Ion Ratio Lower Upper

91 100

92 59.7 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 4.832 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052811.D

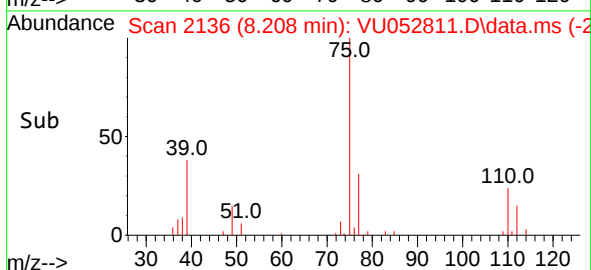
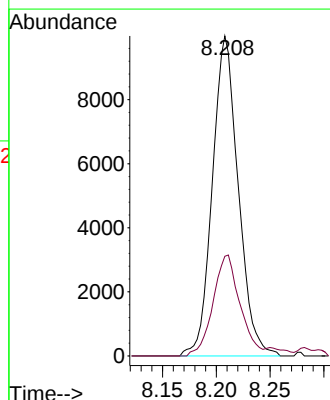
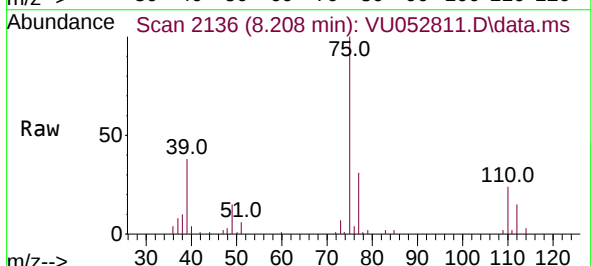
Acq: 26 Jan 2023 11:27

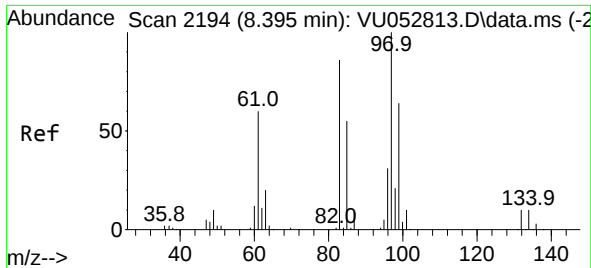
Tgt Ion: 75 Resp: 16727

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3

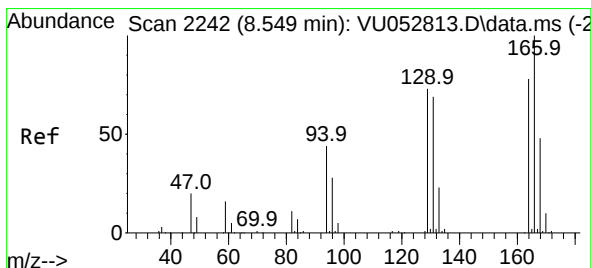
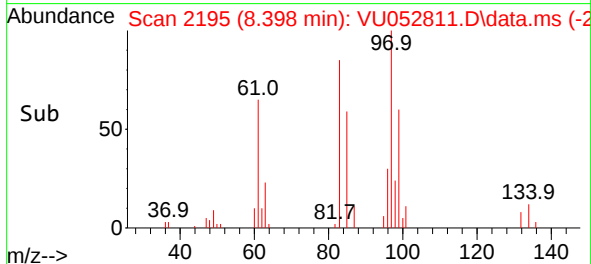
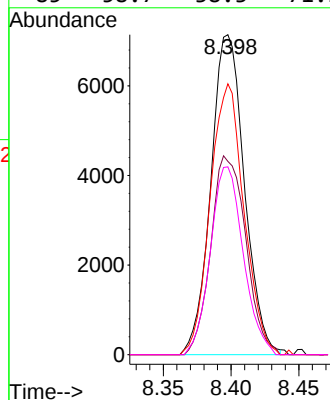
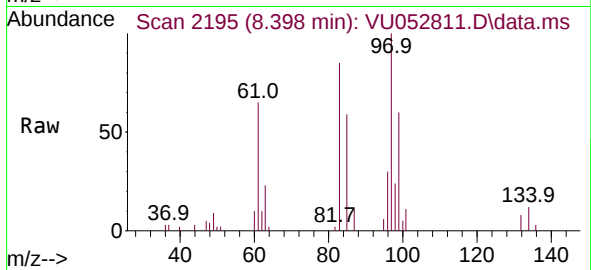




#45
1,1,2-Trichloroethane
Concen: 5.456 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

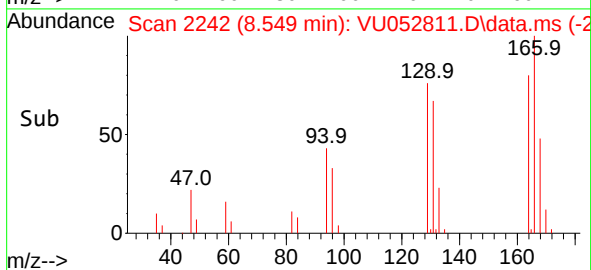
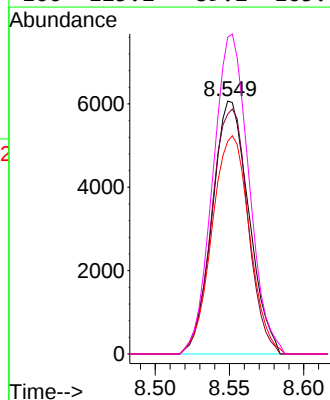
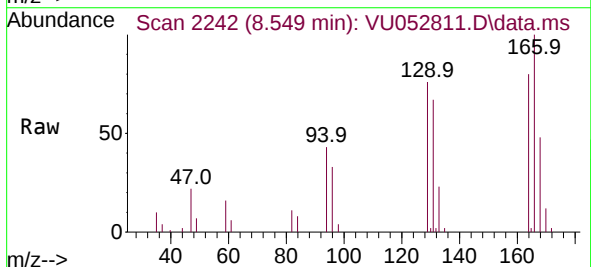
Instrument :
MSVOA_U
ClientSampleId :

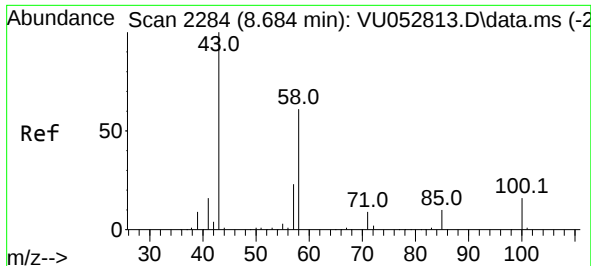
Tgt Ion:	97	Resp:	12300
Ion	Ratio	Lower	Upper
97	100		
99	60.4	44.7	83.1
83	84.7	60.3	112.1
85	58.7	38.3	71.1



#46
Tetrachloroethene
Concen: 6.698 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:	164	Resp:	10404
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.8	120.3
131	84.1	61.2	113.6
166	125.2	89.2	165.8

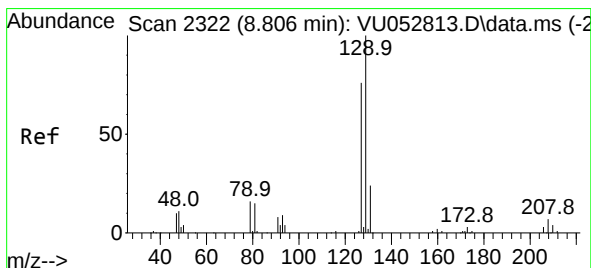
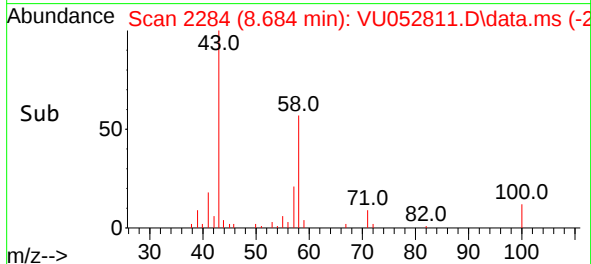
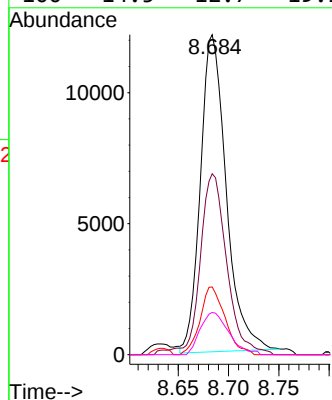
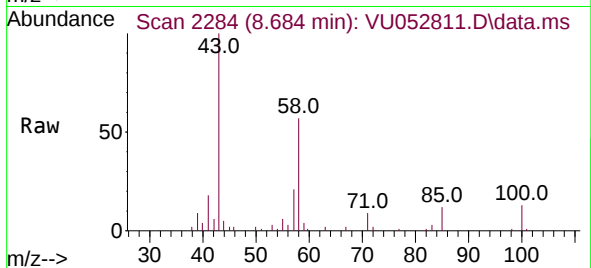




#48
2-Hexanone
Concen: 7.625 ug/L
RT: 8.684 min Scan# 21666
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

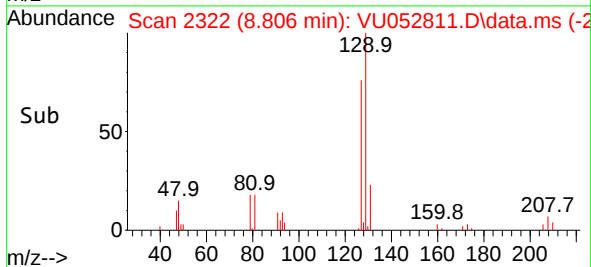
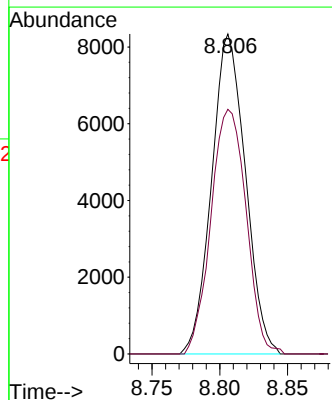
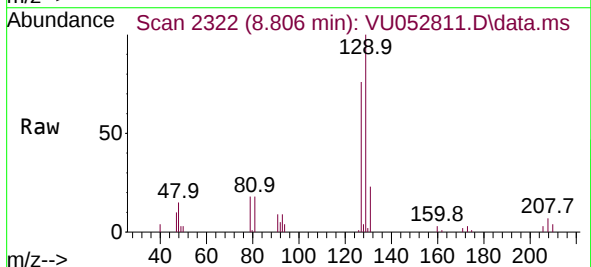
Instrument :
MSVOA_U
ClientSampleId :

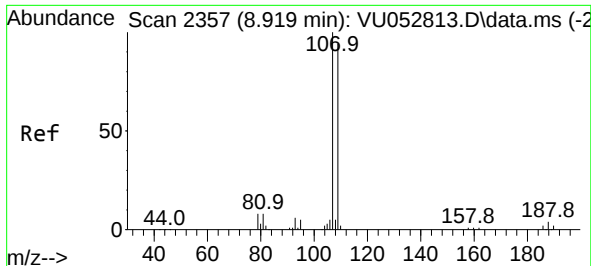
Tgt Ion: 43	Resp: 21666
Ion Ratio	Lower Upper
43 100	
58 57.4	48.0 72.0
57 20.6	16.8 25.2
100 14.5	12.7 19.1



#49
Dibromochloromethane
Concen: 5.997 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:129	Resp:	14466	
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.2	98.8

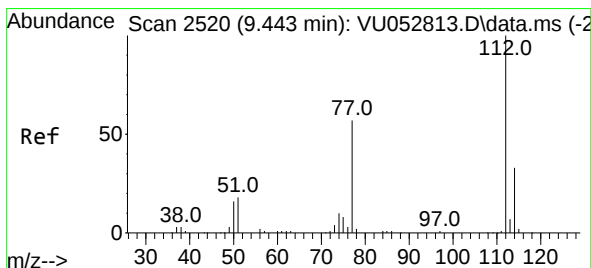
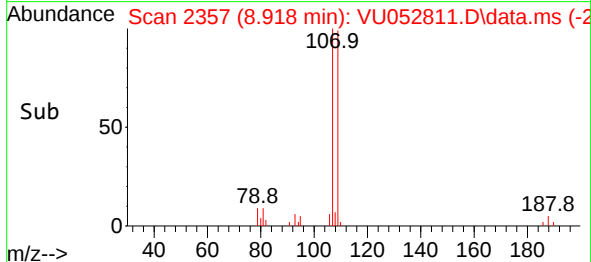
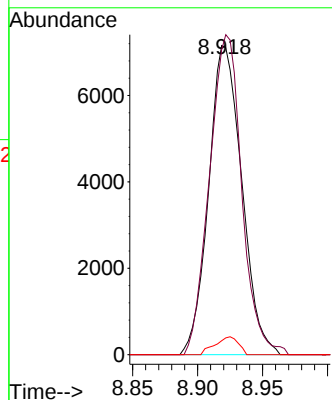
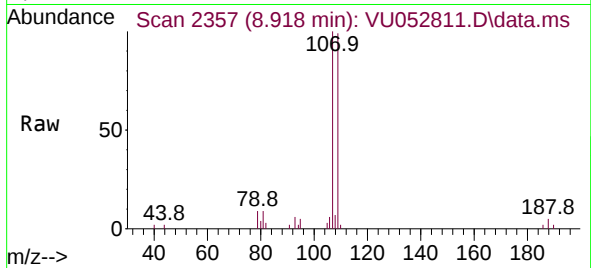




#50
1,2-Dibromoethane
Concen: 5.508 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

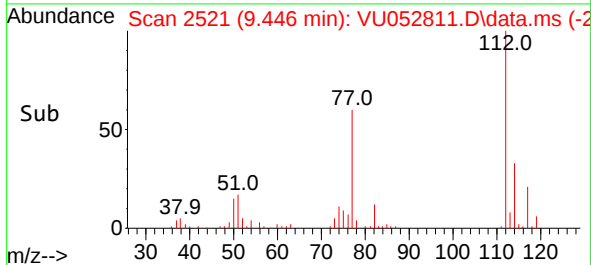
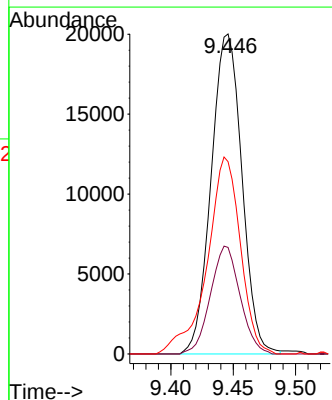
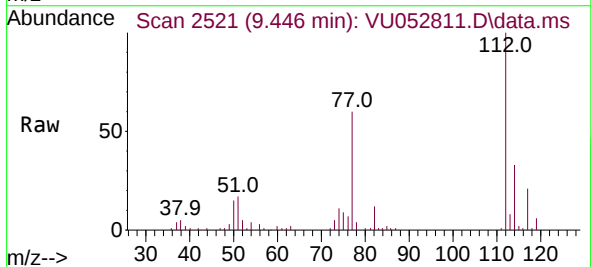
Instrument :
MSVOA_U
ClientSampleId :

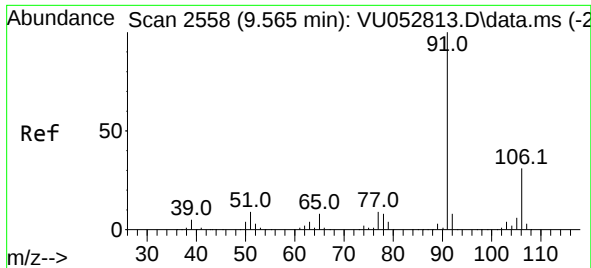
Tgt Ion:107 Resp: 12690
Ion Ratio Lower Upper
107 100
109 98.6 65.5 121.6
188 4.5 3.2 4.8



#51
Chlorobenzene
Concen: 5.941 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:112 Resp: 34418
Ion Ratio Lower Upper
112 100
114 33.3 22.8 42.4
77 60.1 45.9 68.9

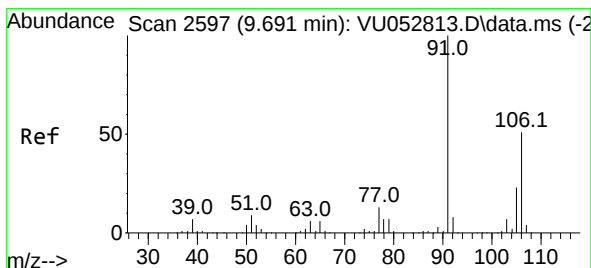
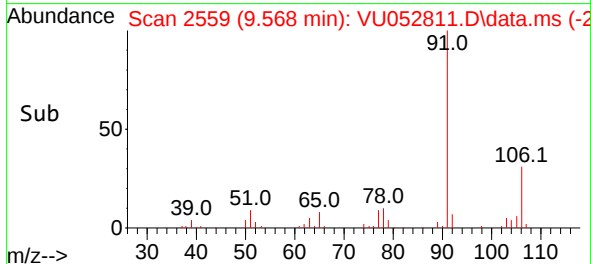
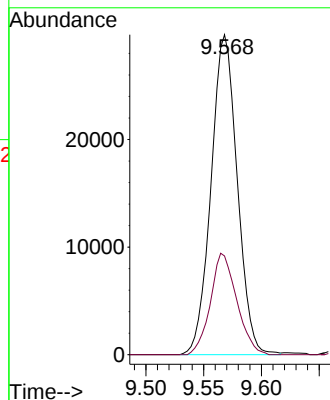
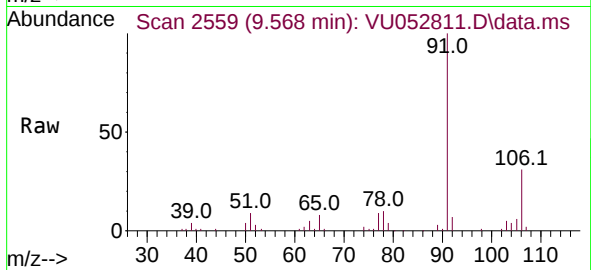




#52
Ethylbenzene
Concen: 4.997 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

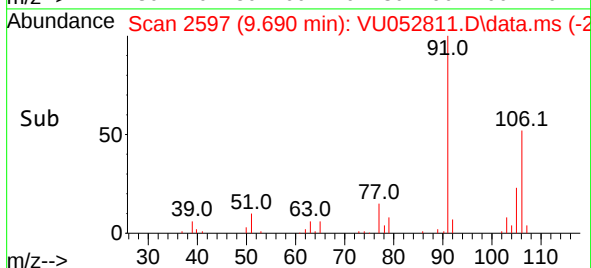
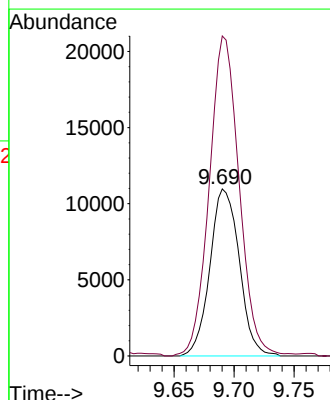
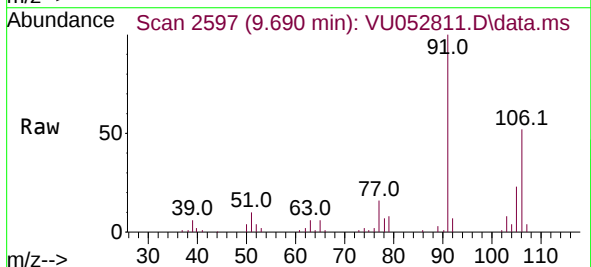
Instrument :
MSVOA_U
ClientSampleId :

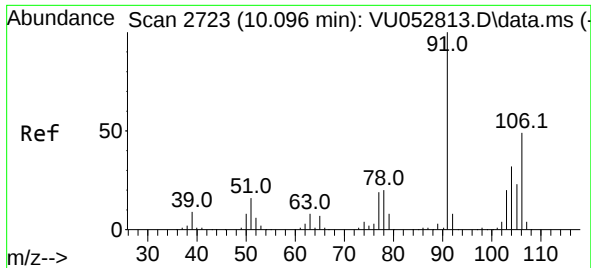
Tgt Ion: 91 Resp: 46956
Ion Ratio Lower Upper
91 100
106 30.8 22.0 40.8



#53
m,p-Xylene
Concen: 5.249 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:106 Resp: 18694
Ion Ratio Lower Upper
106 100
91 191.5 137.4 255.2

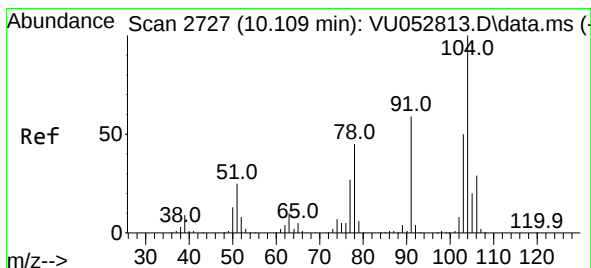
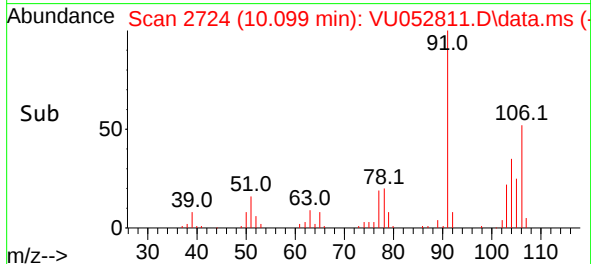
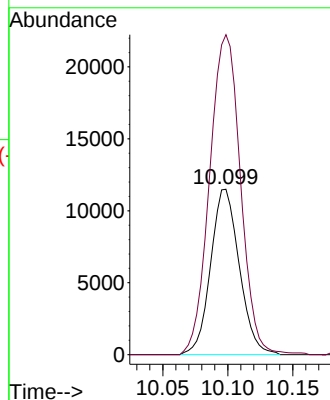
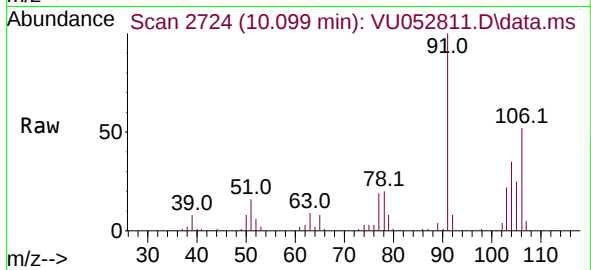




#54
o-xylene
Concen: 5.144 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

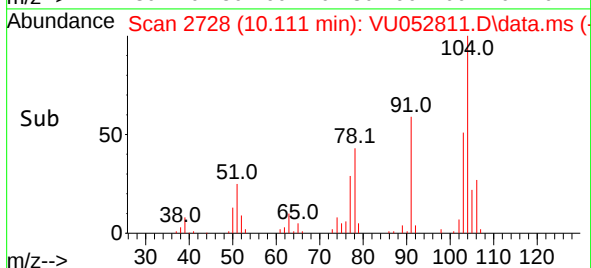
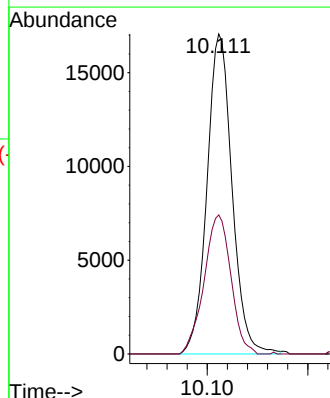
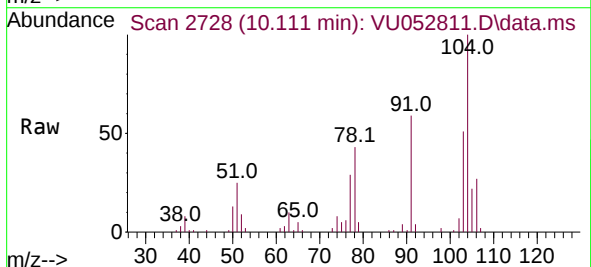
Instrument :
MSVOA_U
ClientSampleId :

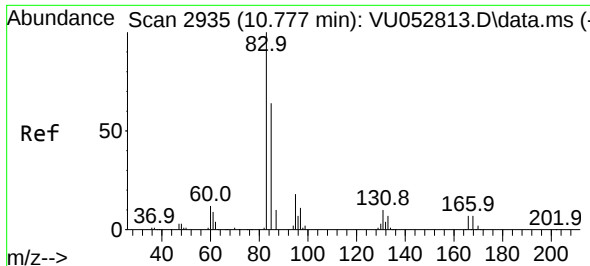
Tgt Ion:106 Resp: 17642
Ion Ratio Lower Upper
106 100
91 193.3 143.4 266.2



#55
Styrene
Concen: 4.902 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:104 Resp: 29547
Ion Ratio Lower Upper
104 100
78 43.4 31.9 59.2

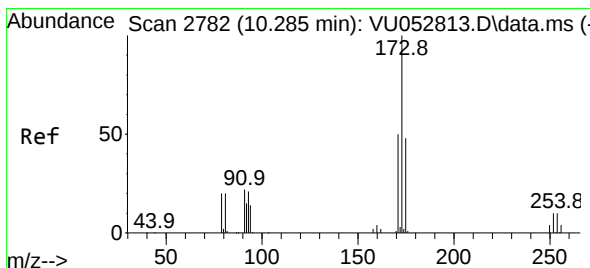
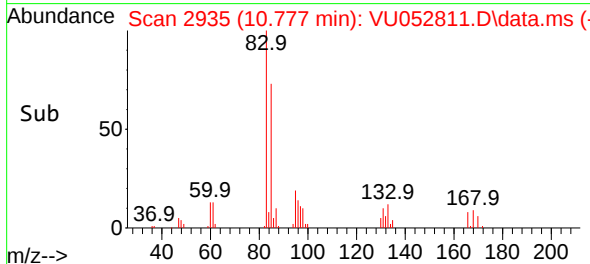
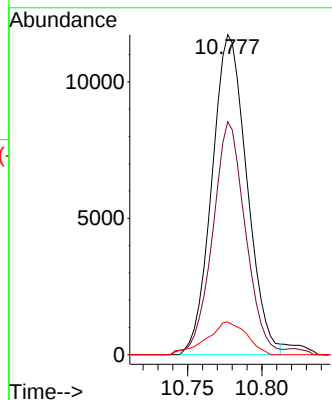
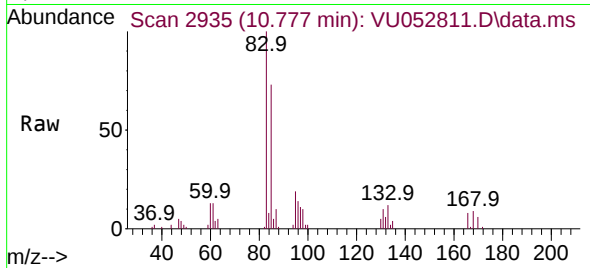




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.781 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

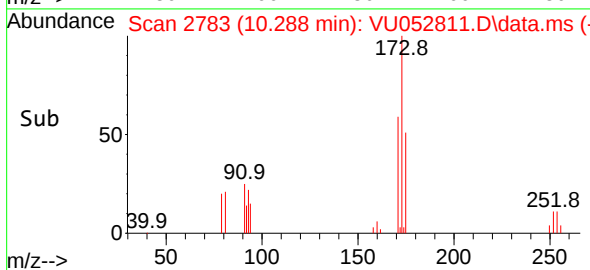
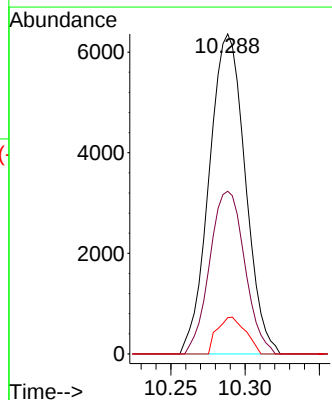
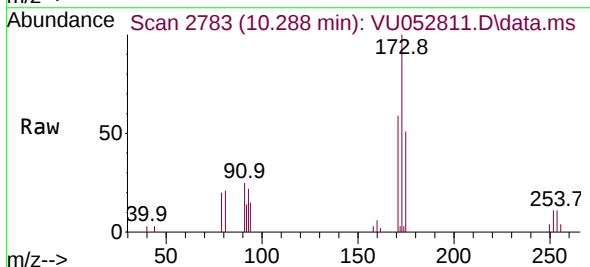
Instrument :
 MSVOA_U
 ClientSampleId :

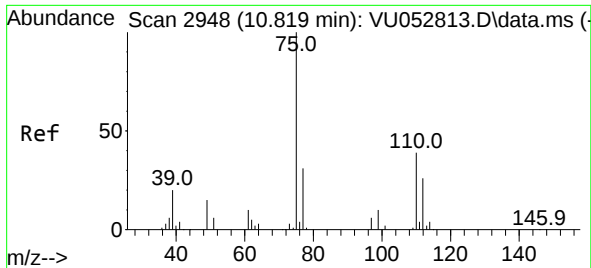
Tgt Ion:	83	Resp:	19200
Ion	Ratio	Lower	Upper
83	100		
85	72.8	45.0	83.6
131	10.3	8.6	12.8



#59
 Bromoform
 Concen: 6.695 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU052811.D
 Acq: 26 Jan 2023 11:27

Tgt Ion:	173	Resp:	10736
Ion	Ratio	Lower	Upper
173	100		
175	49.5	37.7	56.5
254	9.0	8.3	12.5

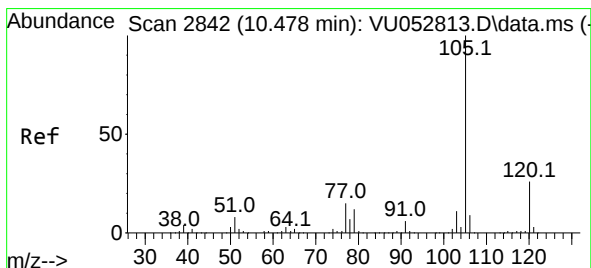
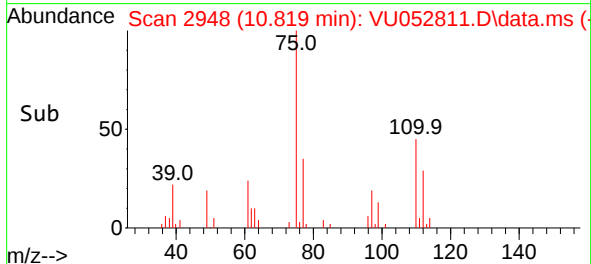
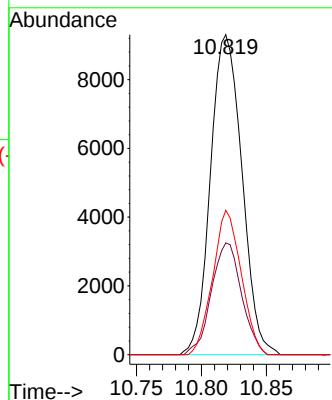
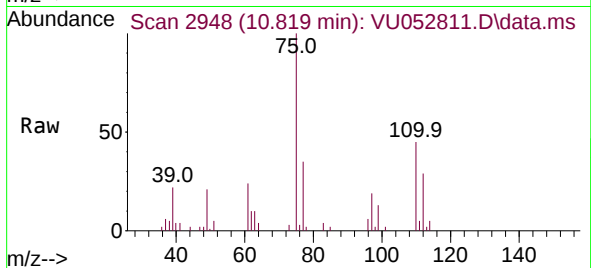




#60
1,2,3-Trichloropropane
Concen: 5.238 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

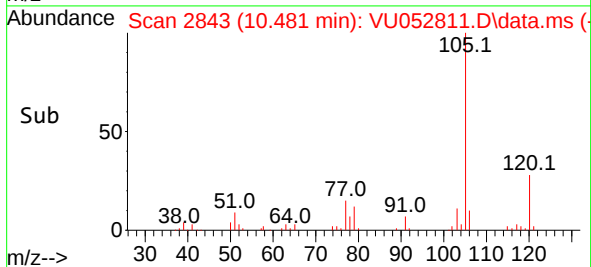
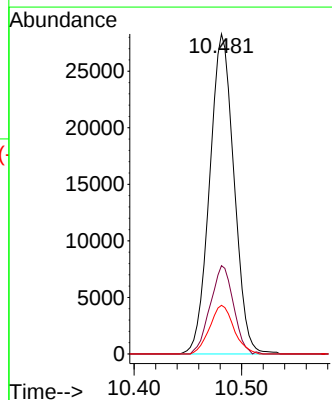
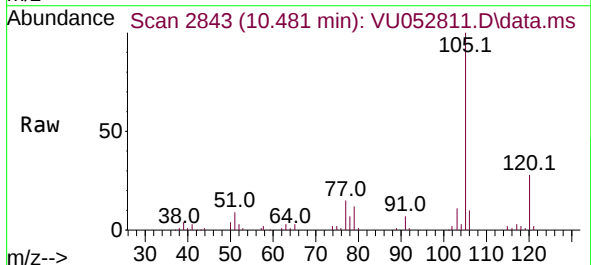
Instrument :
MSVOA_U
ClientSampleId :

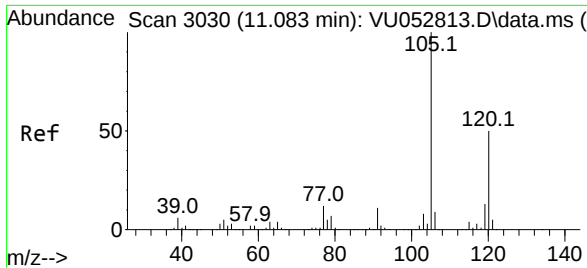
Tgt Ion: 75 Resp: 15672
Ion Ratio Lower Upper
75 100
77 33.5 25.8 38.8
110 40.8 32.4 48.6



#61
Isopropylbenzene
Concen: 5.364 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion: 105 Resp: 44494
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.2
77 15.1 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 4.943 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

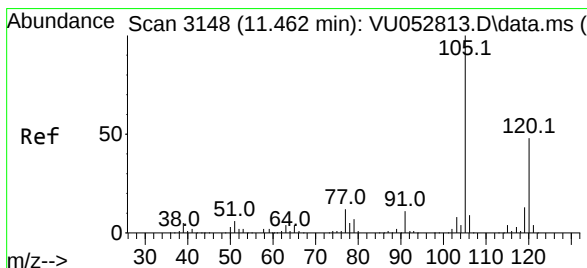
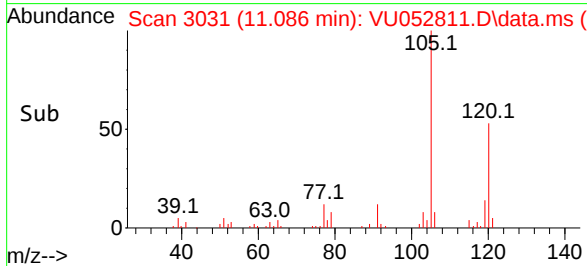
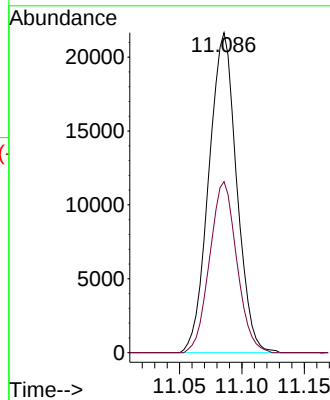
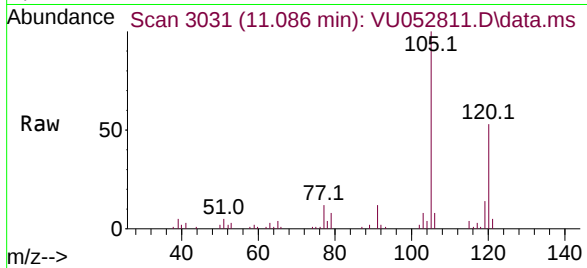
ClientSampleId :

Tgt Ion:105 Resp: 33662

Ion Ratio Lower Upper

105 100

120 52.1 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 4.733 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052811.D

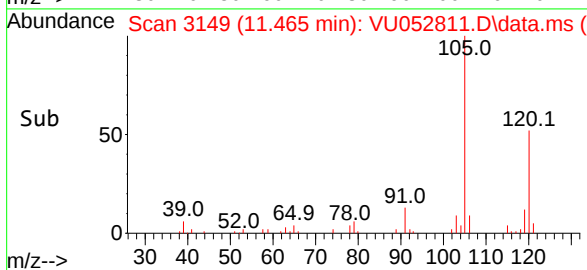
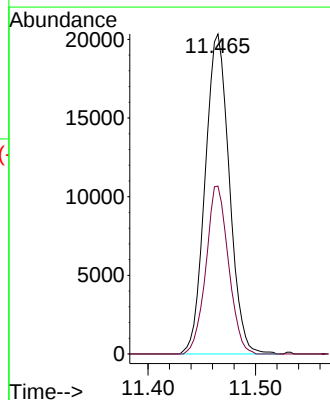
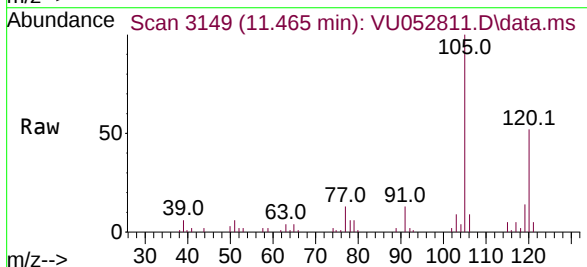
Acq: 26 Jan 2023 11:27

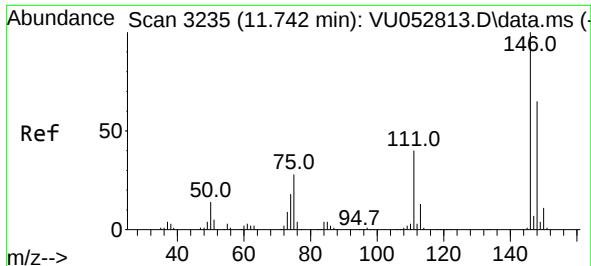
Tgt Ion:105 Resp: 31742

Ion Ratio Lower Upper

105 100

120 49.0 38.1 57.1

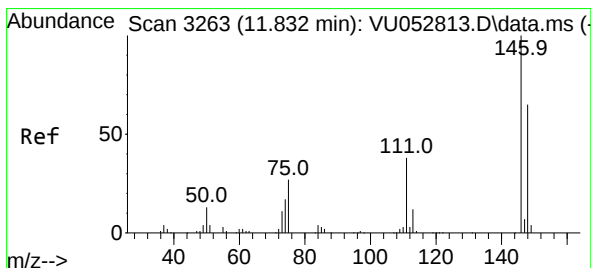
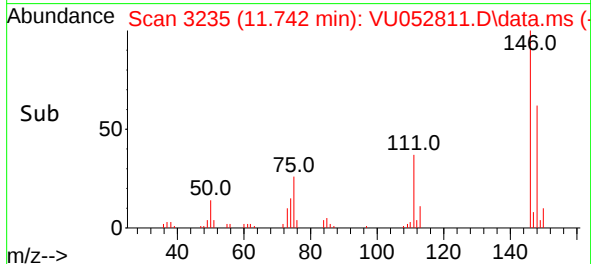
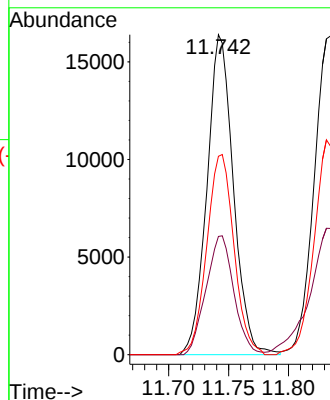
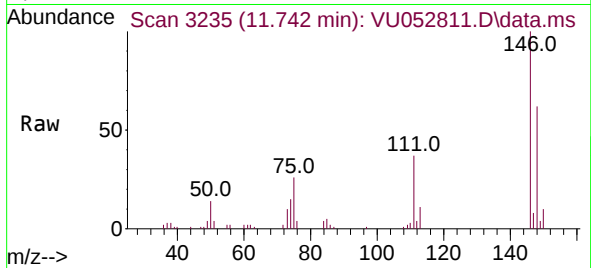




#64
1,3-Dichlorobenzene
Concen: 6.283 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

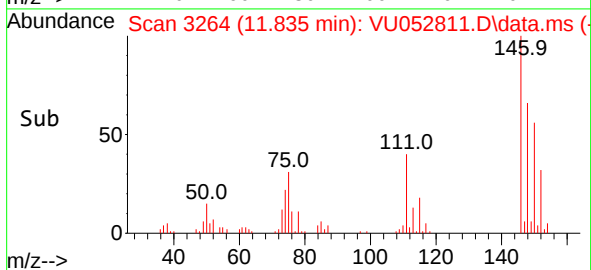
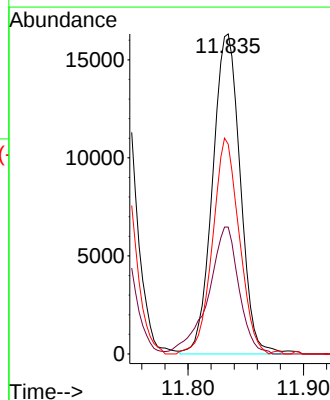
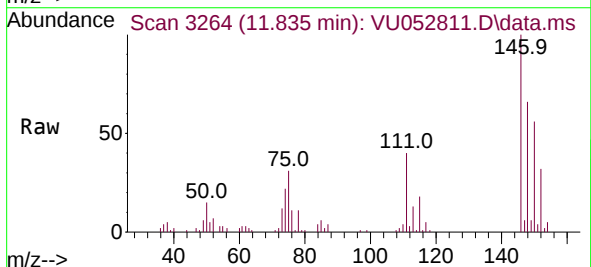
Instrument :
MSVOA_U
ClientSampleId :

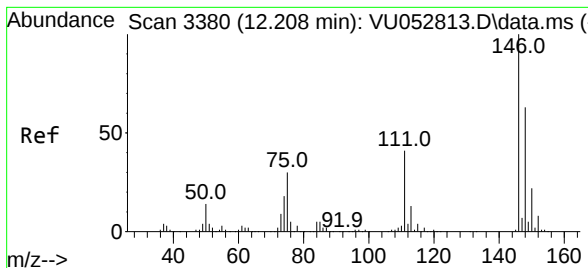
Tgt Ion:146 Resp: 25093
Ion Ratio Lower Upper
146 100
111 37.0 27.8 51.6
148 62.0 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 6.459 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:146 Resp: 27136
Ion Ratio Lower Upper
146 100
111 39.6 26.7 49.7
148 65.6 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 6.141 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

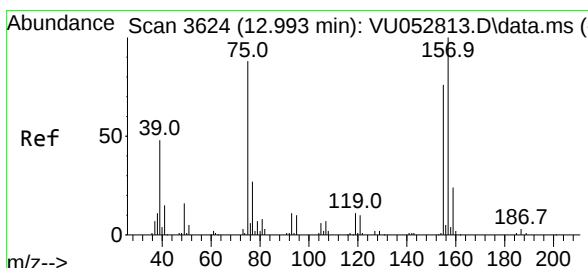
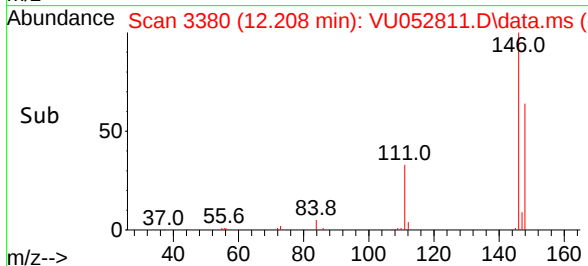
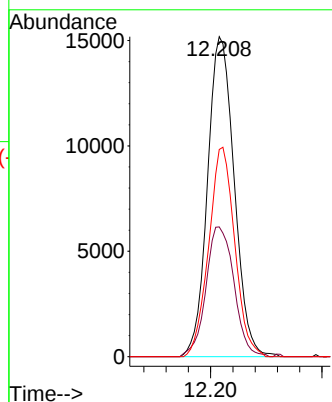
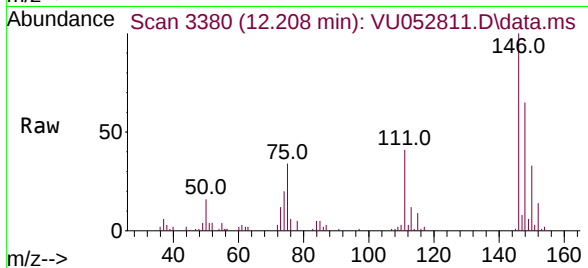
Tgt Ion:146 Resp: 25272

Ion Ratio Lower Upper

146 100

111 40.5 33.2 49.8

148 64.7 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.380 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

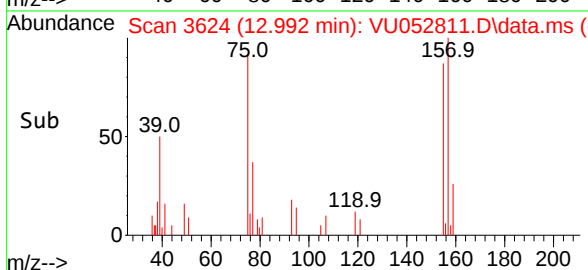
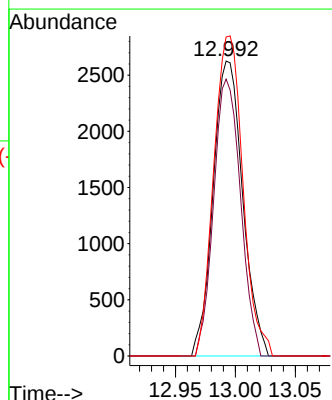
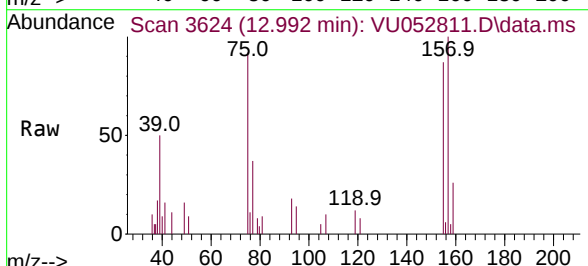
Tgt Ion: 75 Resp: 4500

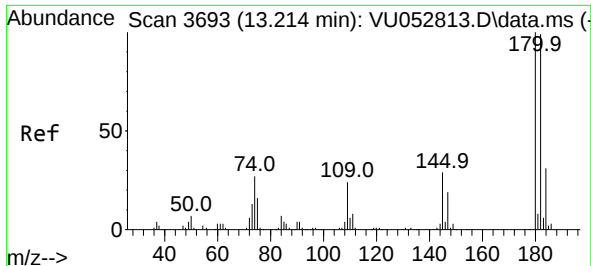
Ion Ratio Lower Upper

75 100

155 100.8 69.2 103.8

157 108.1 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 6.277 ug/L

RT: 13.214 min Scan# 3

Delta R.T. -0.000 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 17877

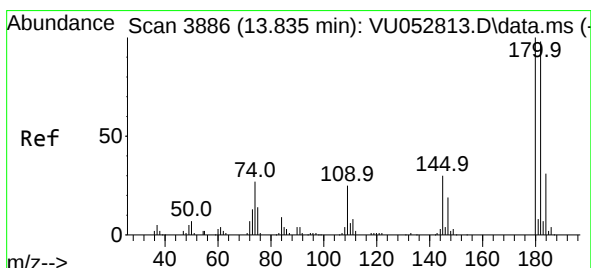
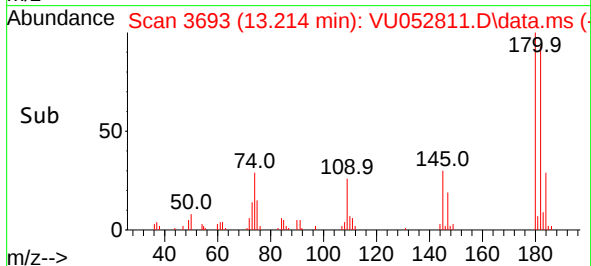
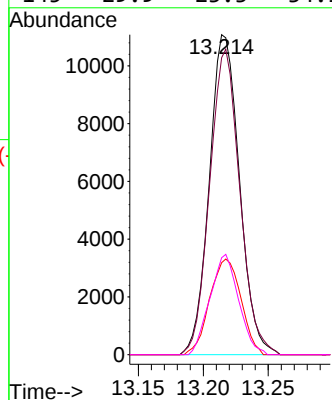
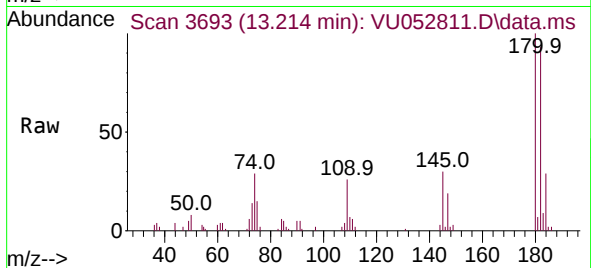
Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

184 31.0 24.4 36.6

145 29.9 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 6.388 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052811.D

Acq: 26 Jan 2023 11:27

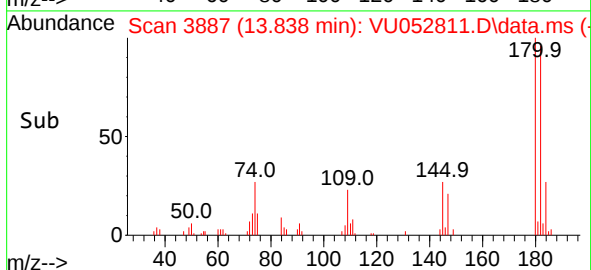
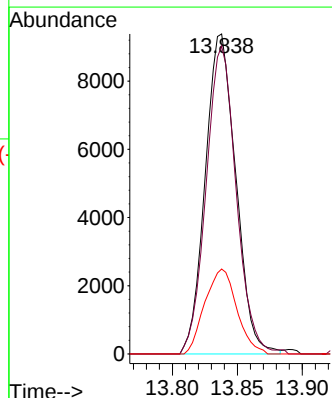
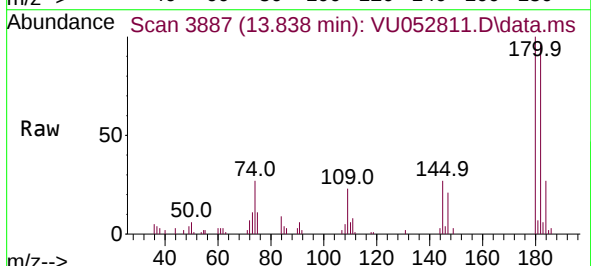
Tgt Ion:180 Resp: 15372

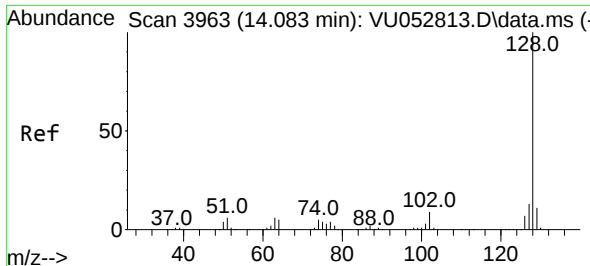
Ion Ratio Lower Upper

180 100

182 94.2 78.2 117.2

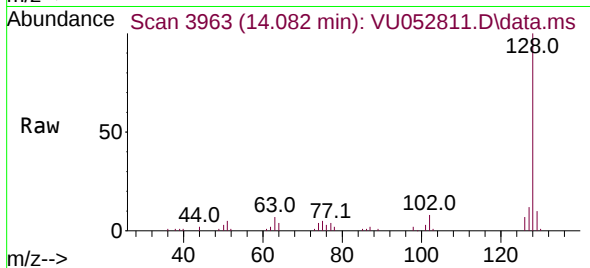
145 27.7 23.4 35.2



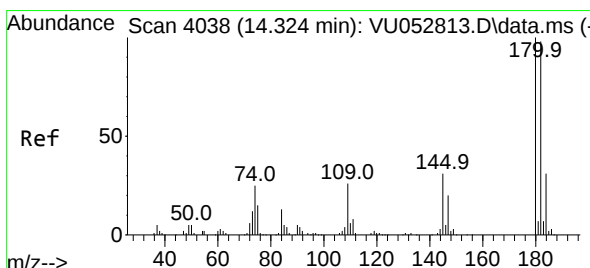
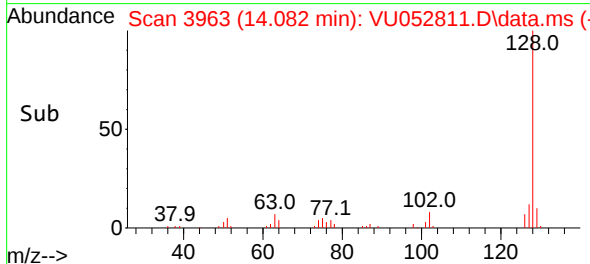
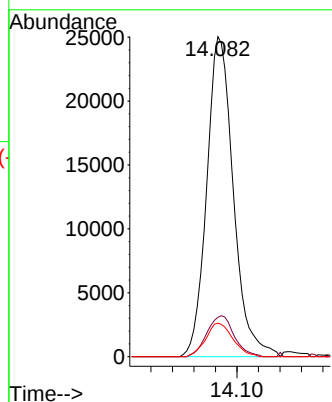


#71
Naphthalene
Concen: 5.868 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 43103
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 6.741 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052811.D
Acq: 26 Jan 2023 11:27

Tgt Ion:180 Resp: 16731
Ion Ratio Lower Upper
180 100
182 94.3 77.5 116.3
145 28.6 24.2 36.4

