

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU050022.D
 Acq On : 29 Jul 2022 06:43
 Operator : SY/MD
 Sample : N3890-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBEA3MSD

Quant Time: Jul 29 07:30:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 05:04:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	89442	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	89027	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41509	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31541	4.107	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.909	69	26116	4.735	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.565	65	11597	4.382	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.633	46	100656	58.881	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.760%
24) Chloroform-d	5.063	84	65437	5.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.703	65	32945	5.145	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.729	84	124068	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.690	67	42618	4.945	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.899	98	111320	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	8.179	79	13536	4.481	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.636	63	58511	51.746	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.500%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	39370	5.437	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	37287	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	31856	4.615	ug/L	97
3) Chloromethane	1.520	50	40597	4.963	ug/L	98
5) Vinyl chloride	1.600	62	38219	4.971	ug/L	99
6) Bromomethane	1.855	94	21618	5.080	ug/L	96
8) Chloroethane	1.932	64	23156	5.312	ug/L	97
9) Trichlorofluoromethane	2.134	101	48074	5.309	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	25504	4.784	ug/L	99
12) 1,1-Dichloroethene	2.578	96	47578	9.638	ug/L	85
13) Acetone	2.642	43	60718	50.532	ug/L	98
14) Carbon disulfide	2.790	76	68963	4.599	ug/L	100
15) Methyl Acetate	2.957	43	9820	3.939	ug/L	97
16) Methylene chloride	3.044	84	35853	4.724	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	77075	5.585	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	29012	5.347	ug/L	97
19) 1,1-Dichloroethane	3.867	63	63442	5.700	ug/L	95
21) 2-Butanone	4.713	43	102259	59.088	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	39462	6.085	ug/L	98
23) Bromochloromethane	4.977	128	16893	5.688	ug/L	99
25) Chloroform	5.089	83	72901	5.844	ug/L	100

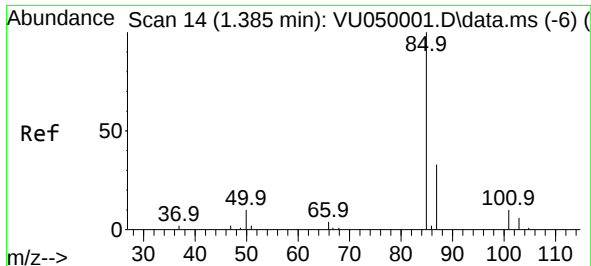
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 05:04:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	41389	5.946	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	48753	5.157	ug/L	99
30) Cyclohexane	5.388	56	37797	4.737	ug/L	97
31) Carbon tetrachloride	5.526	117	39937	5.201	ug/L	99
33) Benzene	5.774	78	136844	5.267	ug/L	100
34) Trichloroethene	6.542	95	520785	82.455	ug/L	97
35) Methylcyclohexane	6.764	83	39410	4.731	ug/L	98
37) 1,2-Dichloropropane	6.793	63	38233	5.339	ug/L	100
38) Bromodichloromethane	7.105	83	47704	5.506	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	43051	4.646	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	240865	58.214	ug/L	100
42) Toluene	7.970	91	141438	5.353	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	36342	4.670	ug/L	95
45) 1,1,2-Trichloroethane	8.401	97	29635	5.539	ug/L	99
47) Tetrachloroethene	8.552	164	96070	21.135	ug/L	96
48) 2-Hexanone	8.684	43	191683	60.774	ug/L	98
49) Dibromochloromethane	8.809	129	32029	5.470	ug/L	96
50) 1,2-Dibromoethane	8.925	107	25911	5.454	ug/L	87
51) Chlorobenzene	9.446	112	88278	5.263	ug/L	98
52) Ethylbenzene	9.571	91	130599	5.046	ug/L	99
53) m,p-Xylene	9.693	106	50022	5.076	ug/L	100
54) o-Xylene	10.099	106	51024	5.340	ug/L	99
55) Styrene	10.115	104	74857	4.599	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	39425	5.661	ug/L	100
59) Bromoform	10.291	173	18487	5.541	ug/L	99
60) Isopropylbenzene	10.484	105	125459	5.116	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	27497	5.704	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	98274	4.933	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	97658	5.058	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	60185	5.126	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	60310	5.191	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	62342	5.344	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	5573	5.853	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	42162	4.980	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	33580	4.973	ug/L	98
71) Naphthalene	14.086	128	67767	5.061	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	35132	5.242	ug/L	99

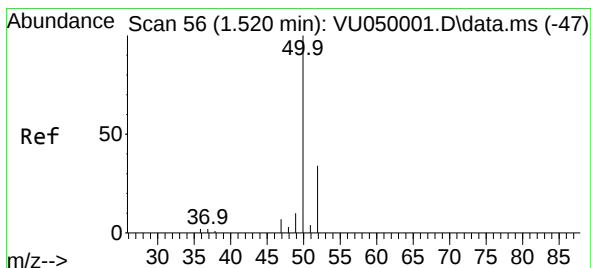
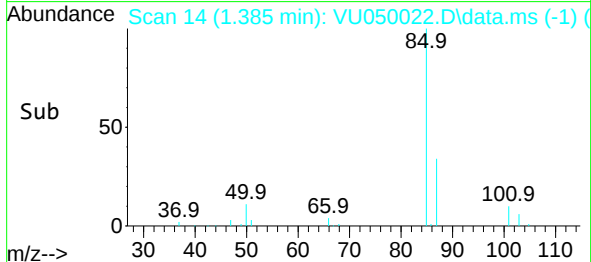
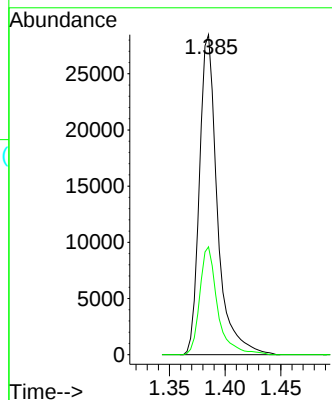
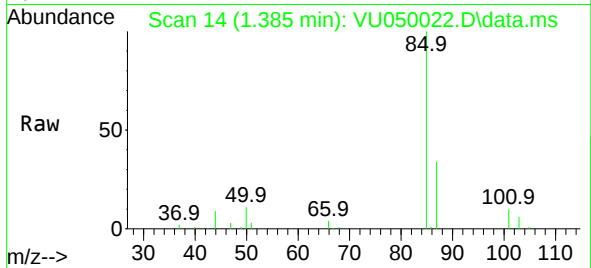
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#2
Dichlorodifluoromethane
Concen: 4.615 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

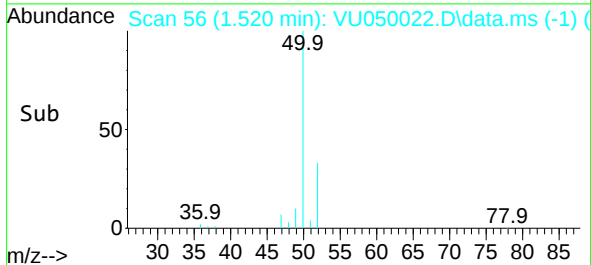
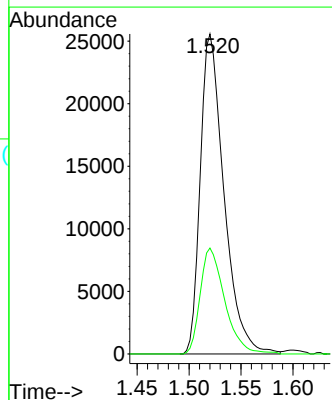
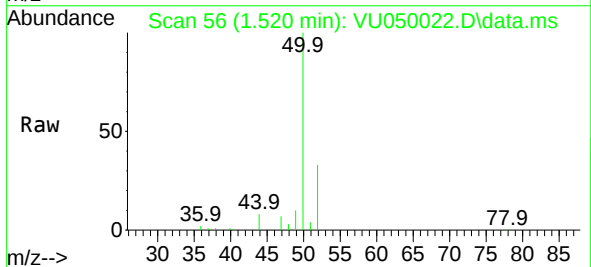
Instrument :
MSVOA_U
ClientSampleId :
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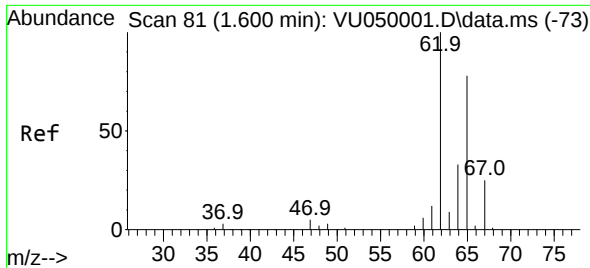
Tgt Ion: 85 Resp: 31856
Ion Ratio Lower Upper
85 100
87 33.6 25.7 38.5



#3
Chloromethane
Concen: 4.963 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 50 Resp: 40597
Ion Ratio Lower Upper
50 100
52 33.1 22.4 41.6

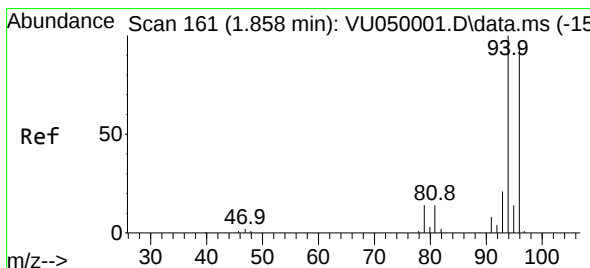
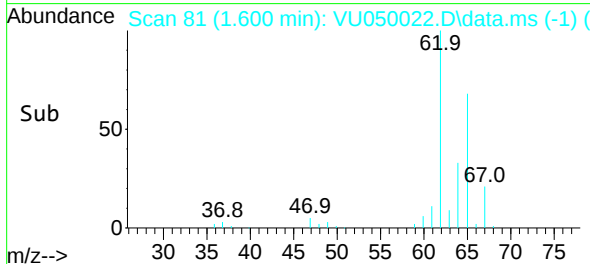
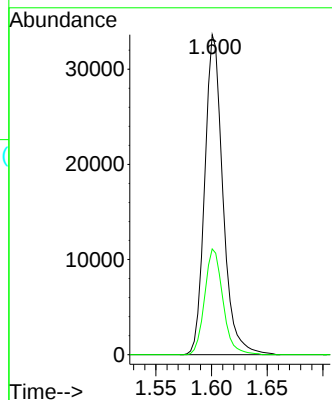
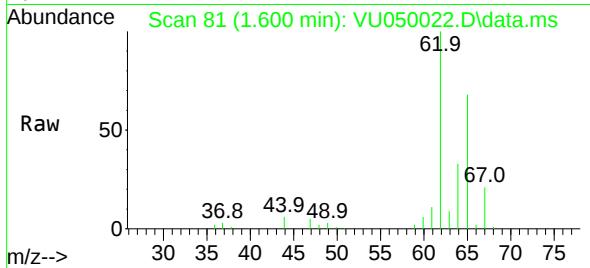




#5
 Vinyl chloride
 Concen: 4.971 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

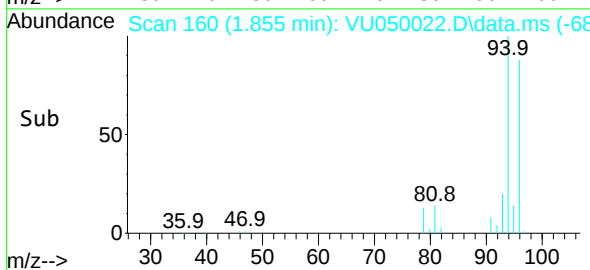
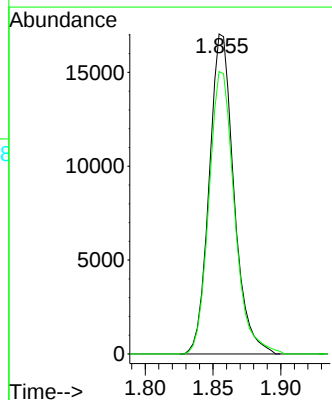
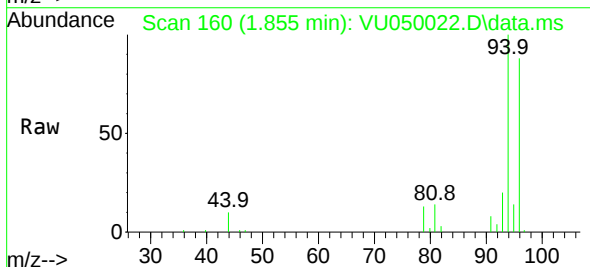
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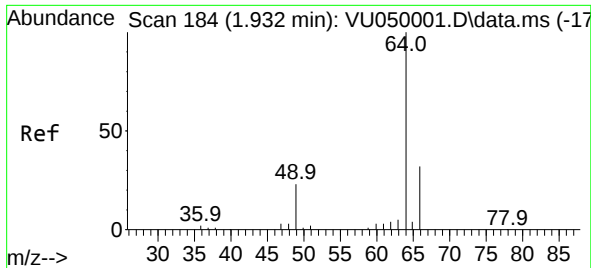
Tgt Ion: 62 Resp: 38219
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.5 41.9



#6
 Bromomethane
 Concen: 5.080 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

Tgt Ion: 94 Resp: 21618
 Ion Ratio Lower Upper
 94 100
 96 88.3 64.5 119.9

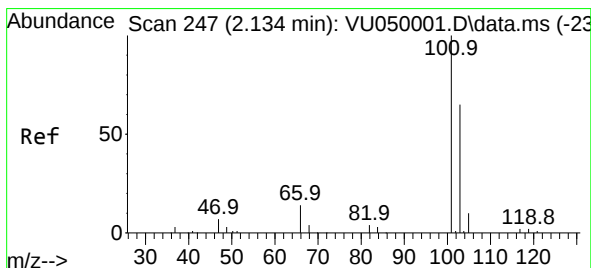
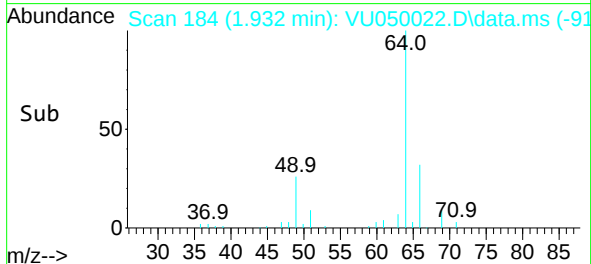
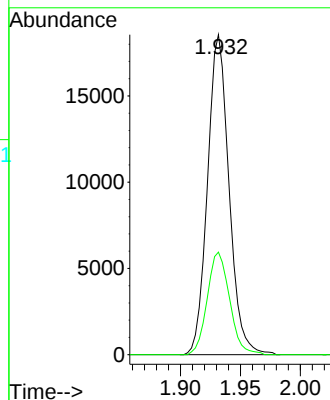
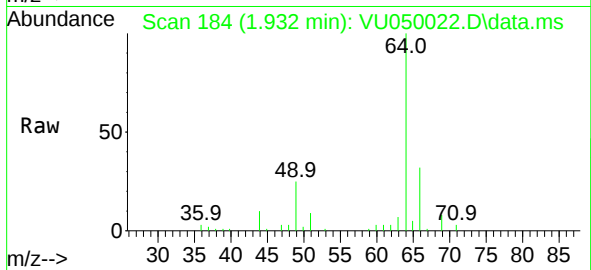




#8
Chloroethane
Concen: 5.312 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

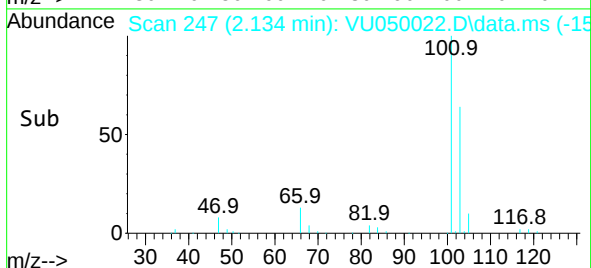
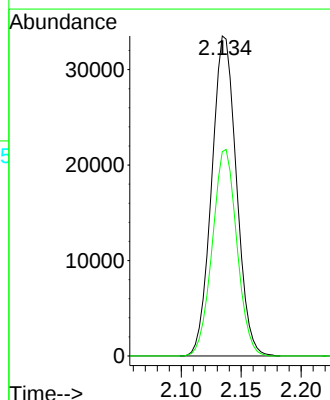
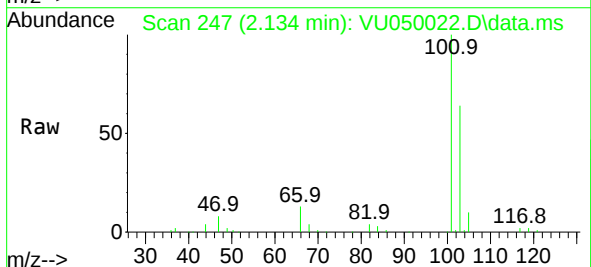
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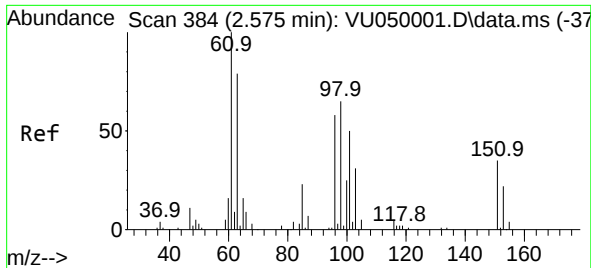
Tgt Ion: 64 Resp: 23156
Ion Ratio Lower Upper
64 100
66 32.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.309 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 101 Resp: 48074
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

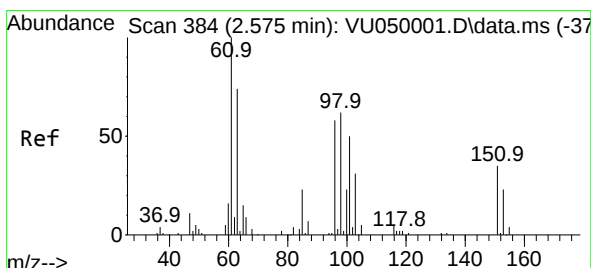
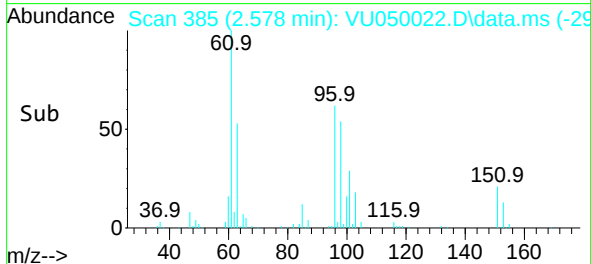
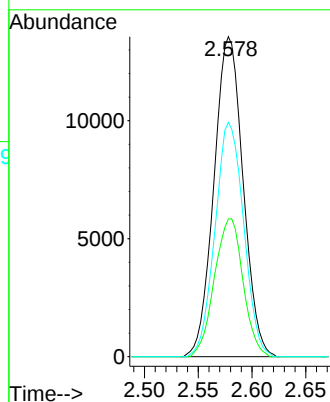
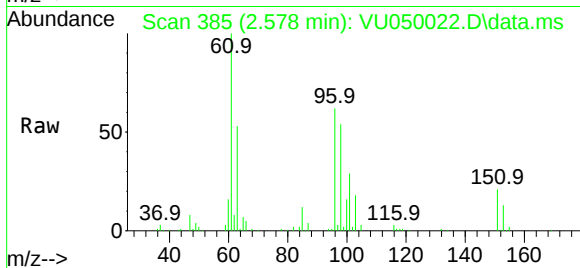




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.784 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

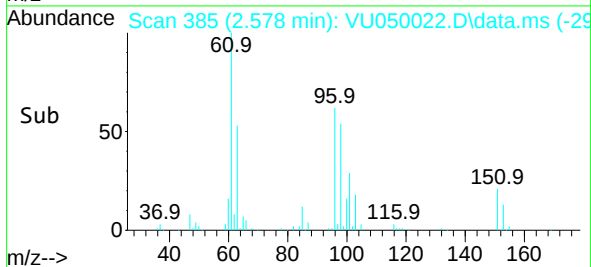
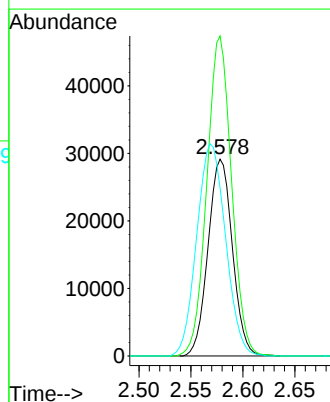
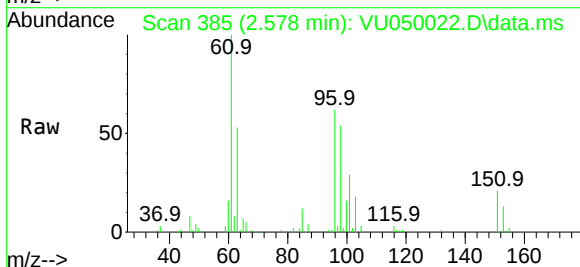
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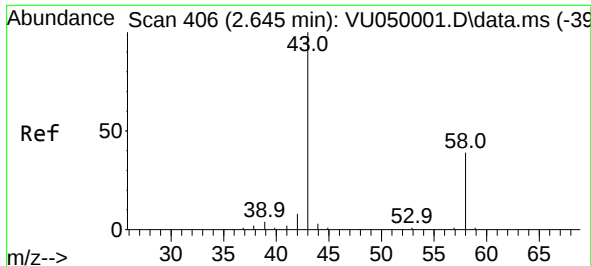
Tgt Ion:	101	Resp:	25504
Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.1	51.1
151	72.0	56.6	85.0



#12
 1,1-Dichloroethene
 Concen: 9.638 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

Tgt Ion:	96	Resp:	47578
Ion	Ratio	Lower	Upper
96	100		
61	162.6	115.7	214.9
63	85.5	84.8	157.4





#13

Acetone

Concen: 50.532 ug/L

RT: 2.642 min Scan# 406

Delta R.T. -0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

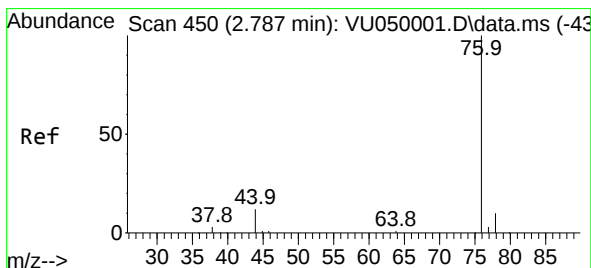
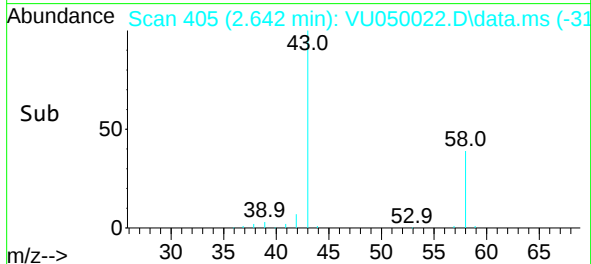
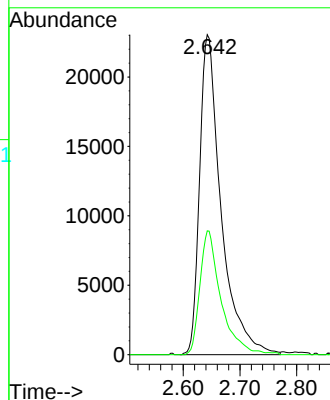
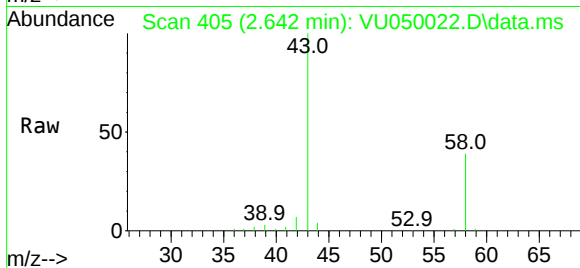
YBEA3MSD

Tgt Ion: 43 Resp: 60718

Ion Ratio Lower Upper

43 100

58 37.8 0.0 73.0



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050022.D

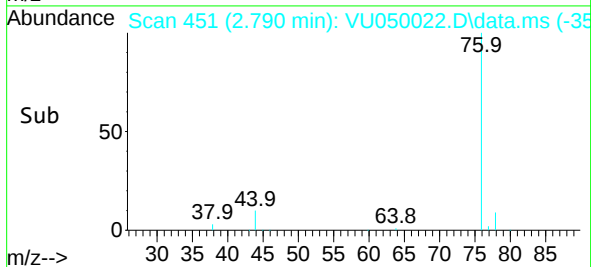
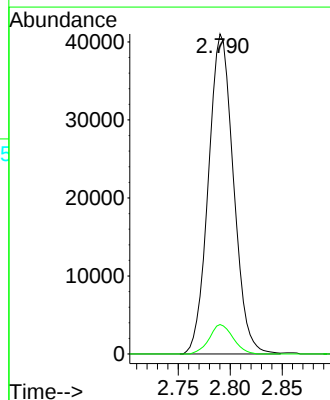
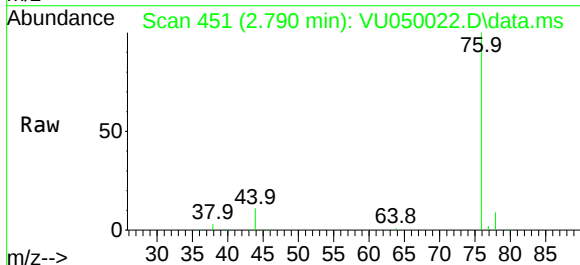
Acq: 29 Jul 2022 06:43

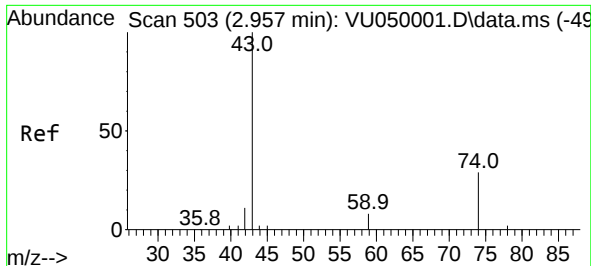
Tgt Ion: 76 Resp: 68963

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

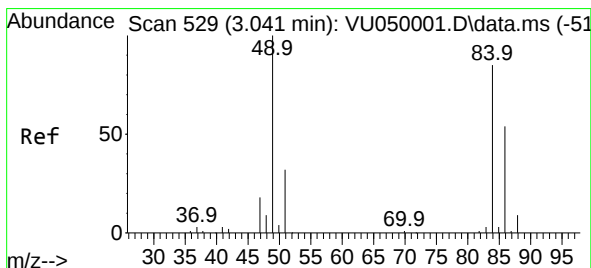
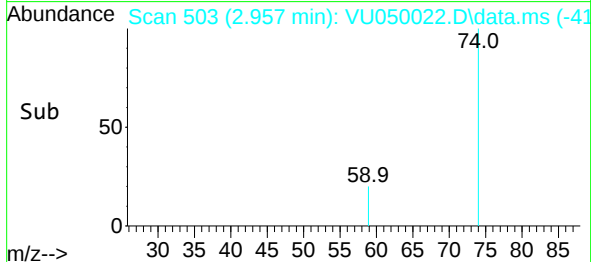
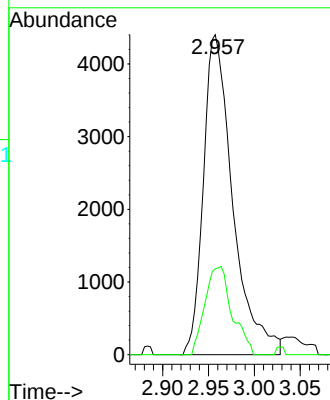
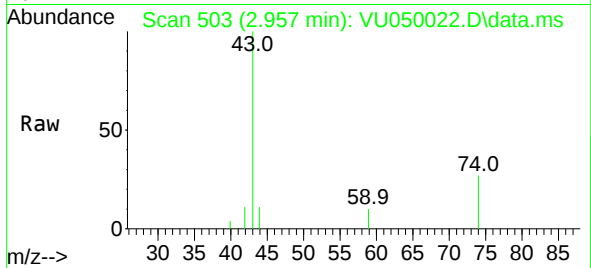




#15
Methyl Acetate
Concen: 3.939 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

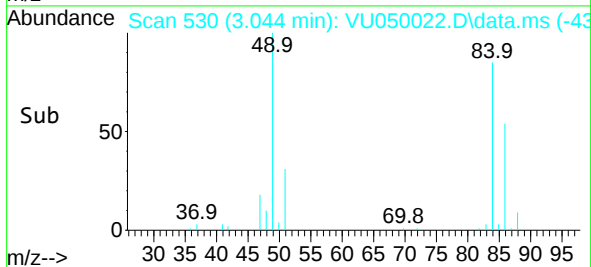
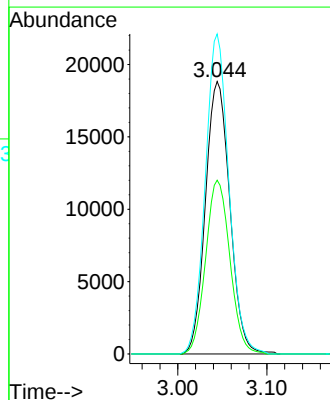
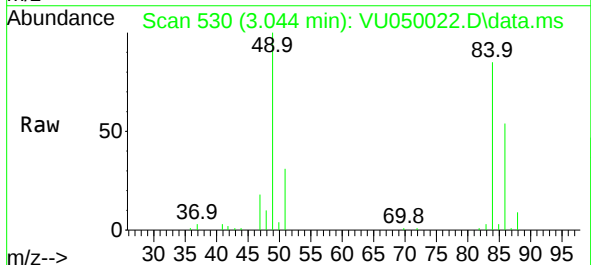
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

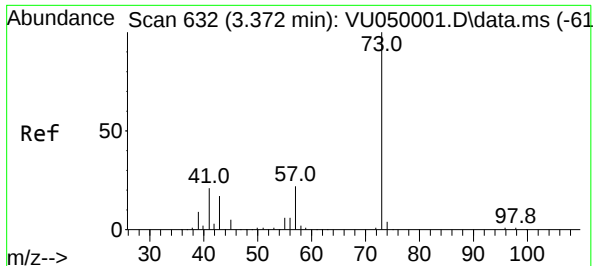
Tgt Ion: 43 Resp: 9820
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4



#16
Methylene chloride
Concen: 4.724 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 84 Resp: 35853
Ion Ratio Lower Upper
84 100
86 63.8 45.2 84.0
49 117.5 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 5.585 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

YBEA3MSD

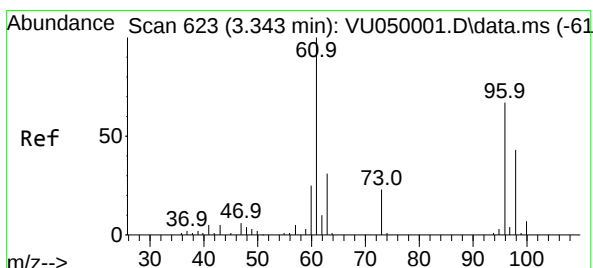
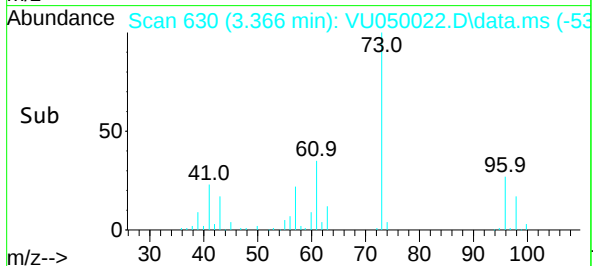
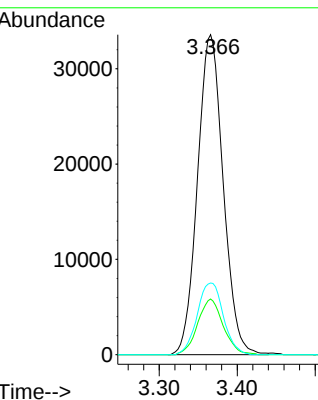
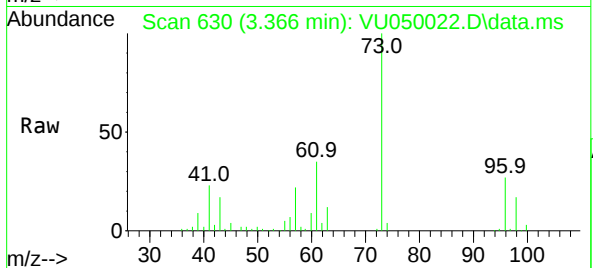
Tgt Ion: 73 Resp: 77075

Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.6

57 22.8 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.347 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.010 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

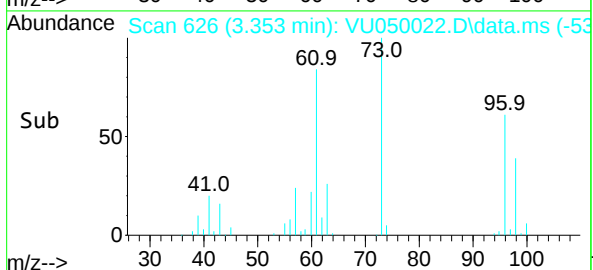
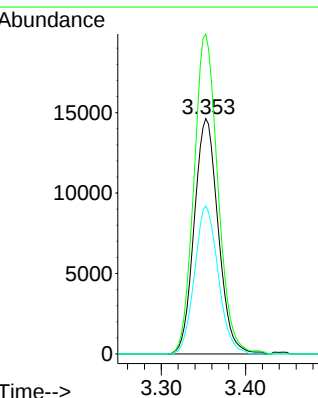
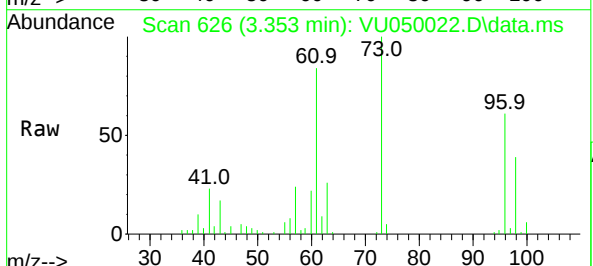
Tgt Ion: 96 Resp: 29012

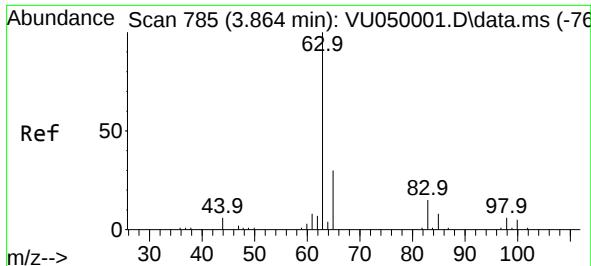
Ion Ratio Lower Upper

96 100

61 136.0 98.0 182.0

98 62.9 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.700 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

YBEA3MSD

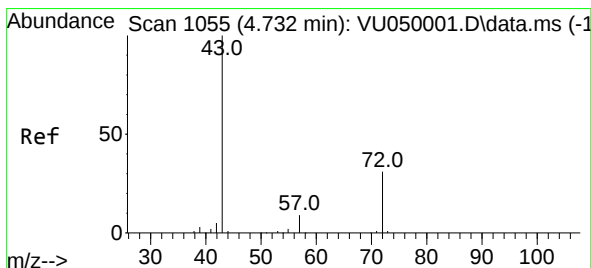
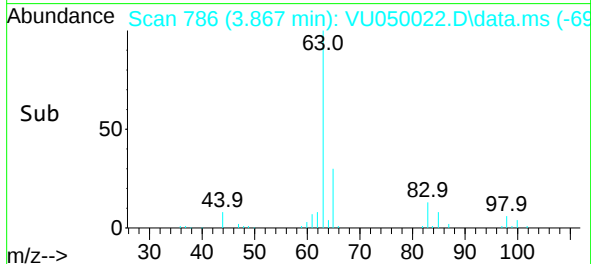
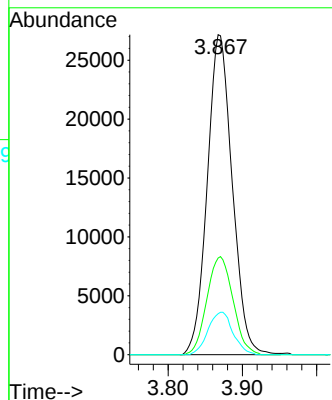
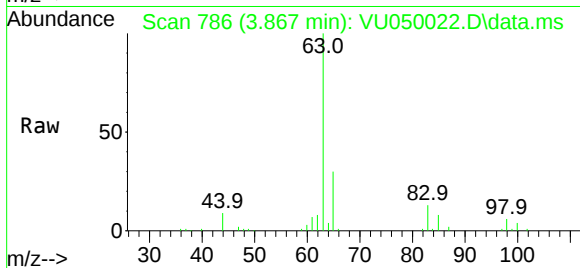
Tgt Ion: 63 Resp: 63442

Ion Ratio Lower Upper

63 100

65 30.2 23.4 43.6

83 12.8 9.4 17.4



#21

2-Butanone

Concen: 59.088 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.019 min

Lab File: VU050022.D

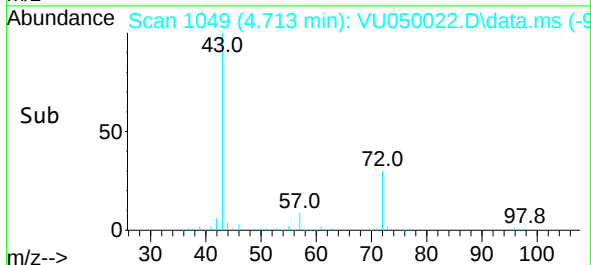
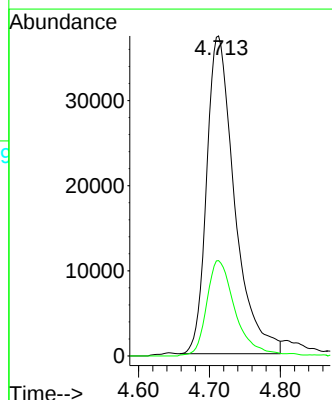
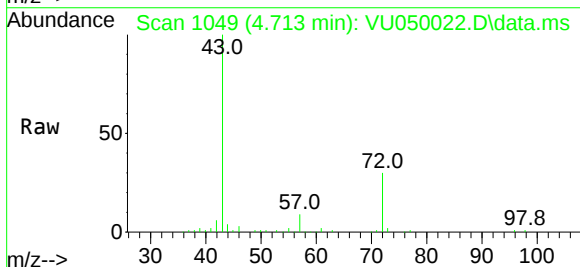
Acq: 29 Jul 2022 06:43

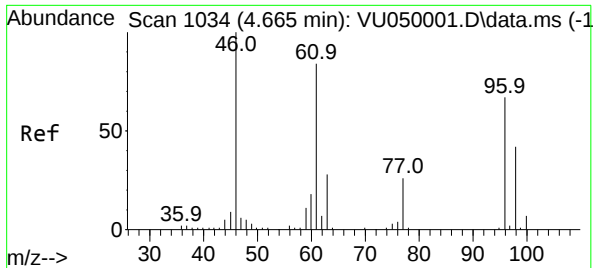
Tgt Ion: 43 Resp: 102259

Ion Ratio Lower Upper

43 100

72 30.6 15.8 47.3

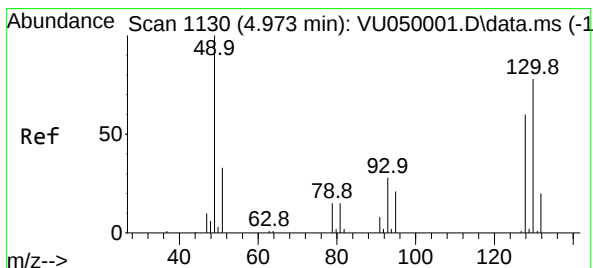
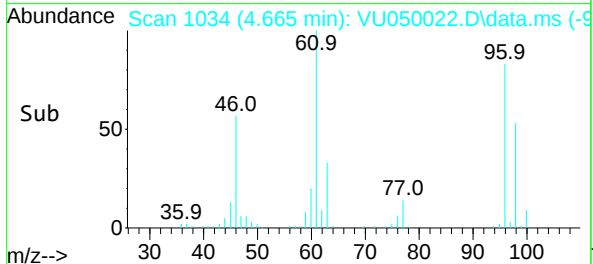
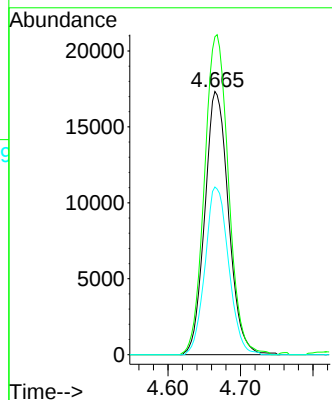
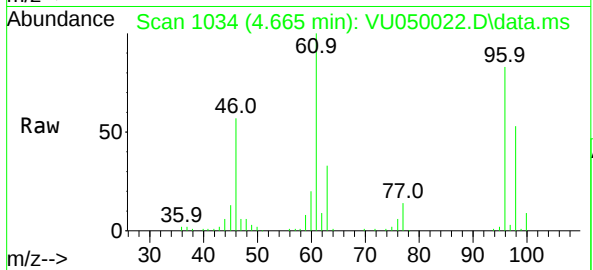




#22
cis-1,2-Dichloroethene
Concen: 6.085 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

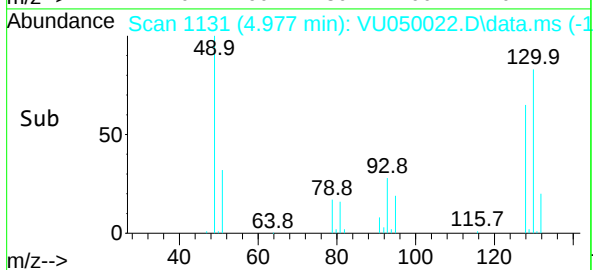
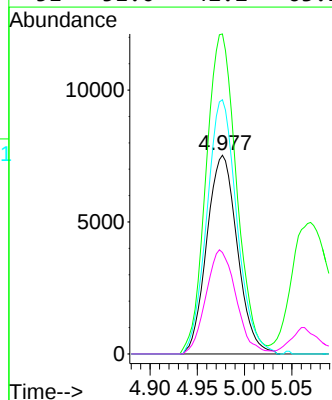
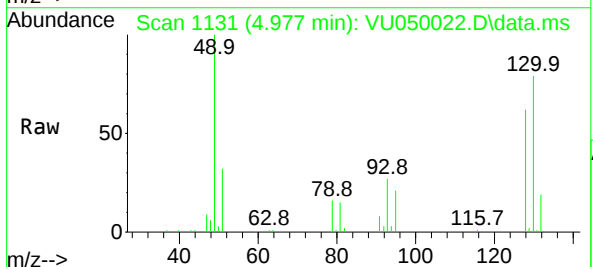
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

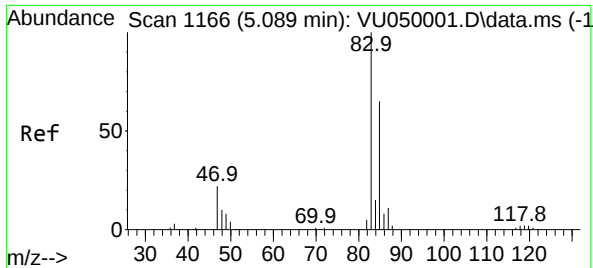
Tgt Ion: 96 Resp: 39462
Ion Ratio Lower Upper
96 100
61 120.8 87.2 161.9
98 63.7 44.7 83.1



#23
Bromochloromethane
Concen: 5.688 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 128 Resp: 16893
Ion Ratio Lower Upper
128 100
49 161.1 111.4 207.0
130 128.0 88.7 164.7
51 51.0 42.2 63.2

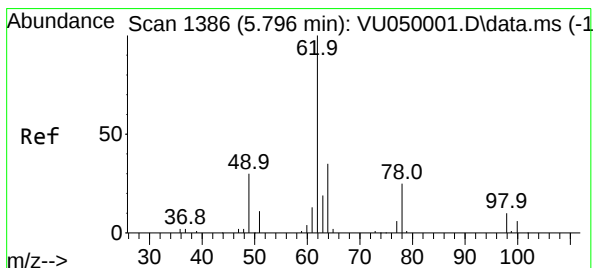
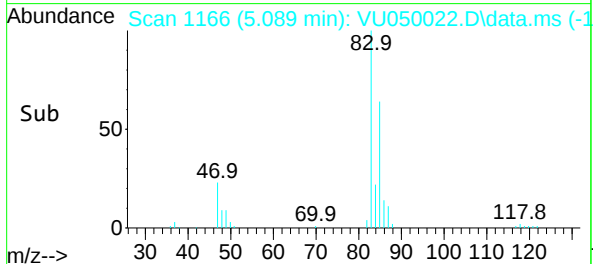
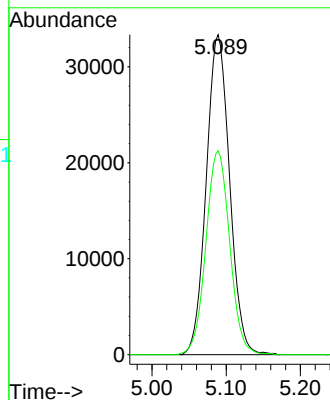
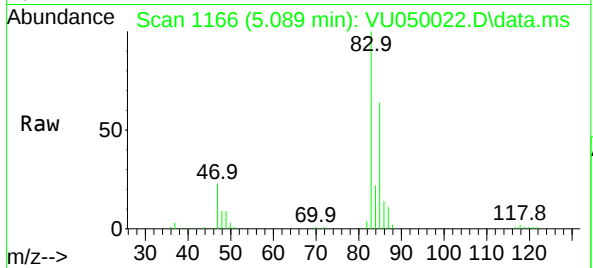




#25
Chloroform
Concen: 5.844 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

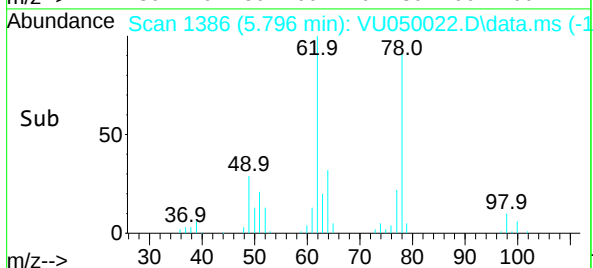
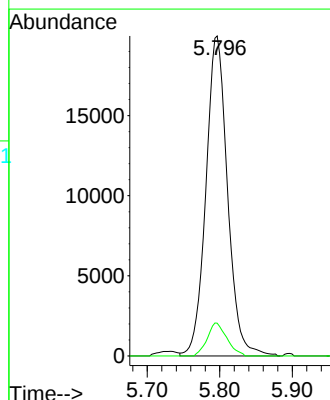
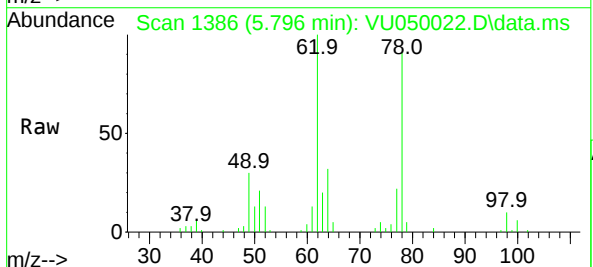
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

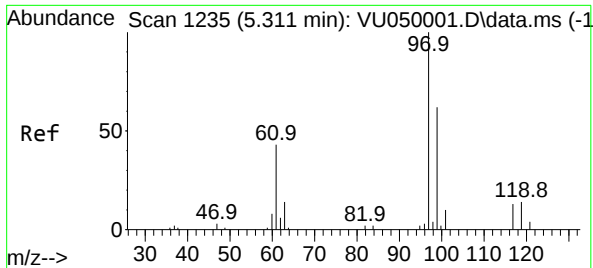
Tgt Ion: 83 Resp: 72901
Ion Ratio Lower Upper
83 100
85 63.7 44.4 82.4



#27
1,2-Dichloroethane
Concen: 5.946 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 62 Resp: 41389
Ion Ratio Lower Upper
62 100
98 10.3 7.9 11.9

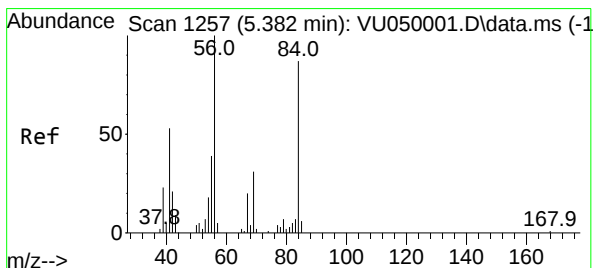
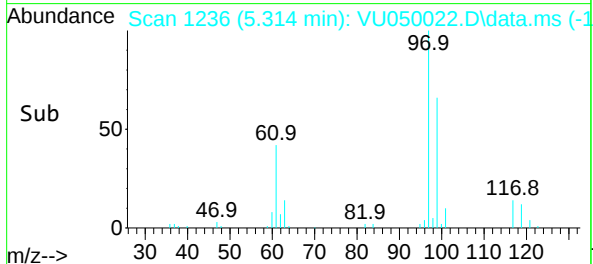
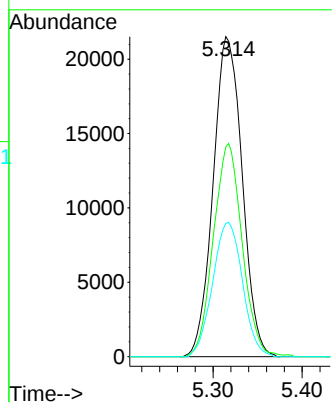
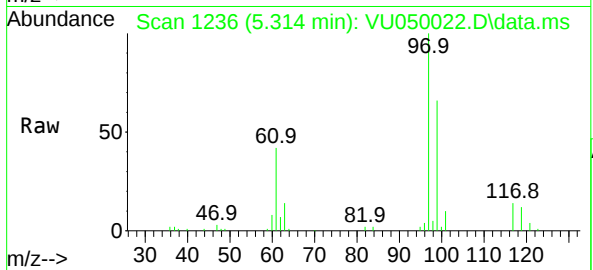




#29
1,1,1-Trichloroethane
Concen: 5.157 ug/L
RT: 5.314 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

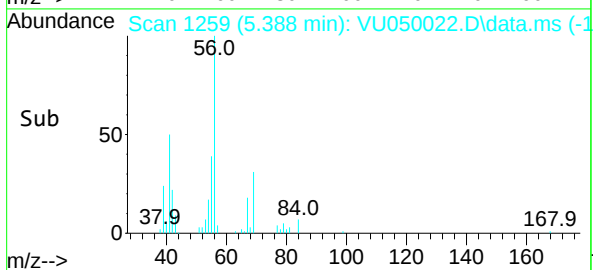
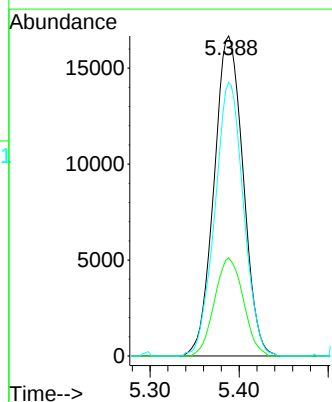
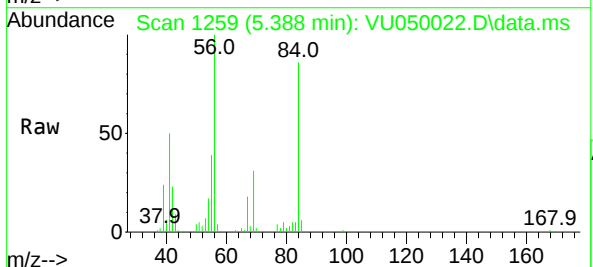
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

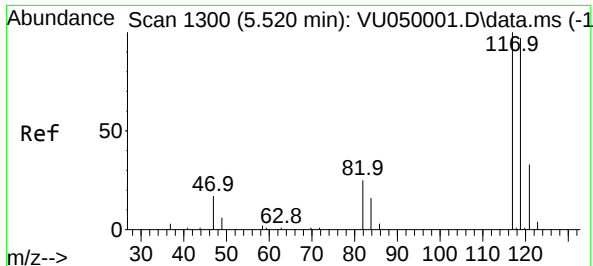
Tgt Ion:	97	Resp:	48753
Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	43.1	35.0	52.6



#30
Cyclohexane
Concen: 4.737 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.007 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:	56	Resp:	37797
Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.1	37.7
84	84.5	70.1	105.1

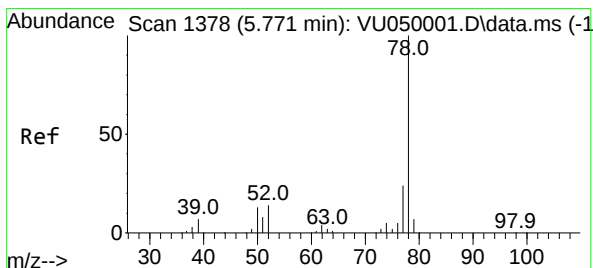
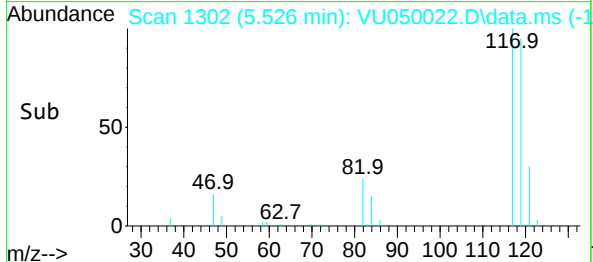
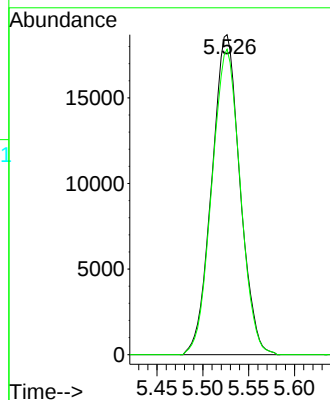
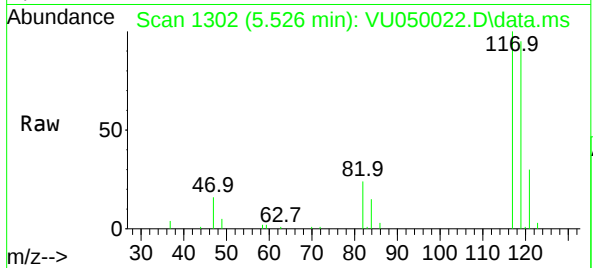




#31
Carbon tetrachloride
Concen: 5.201 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.007 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

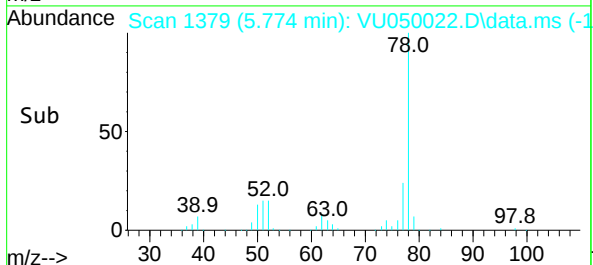
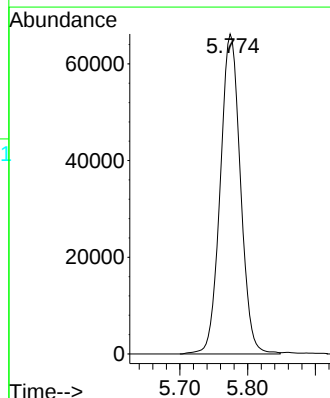
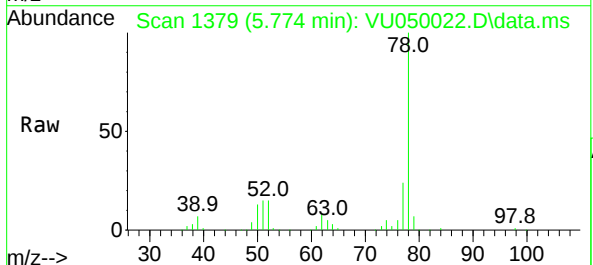
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

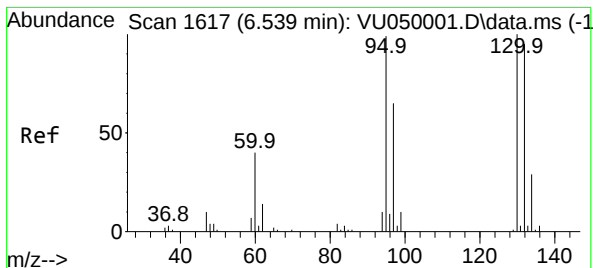
Tgt Ion:117 Resp: 39937
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.6



#33
Benzene
Concen: 5.267 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 78 Resp: 136844





#34

Trichloroethene

Concen: 82.455 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

YBEA3MSD

Tgt Ion: 95 Resp: 520785

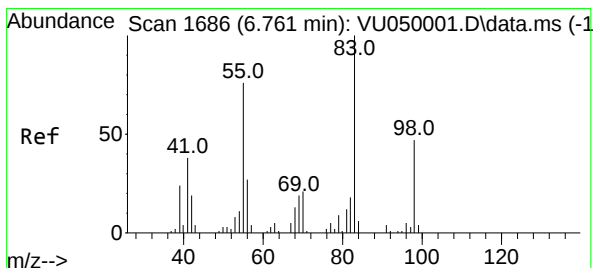
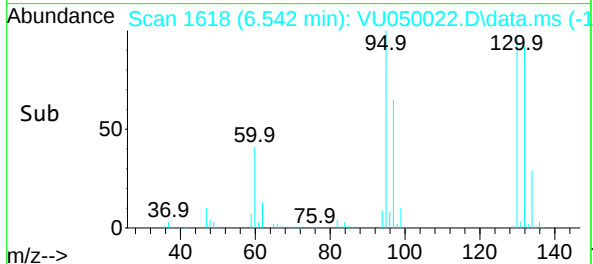
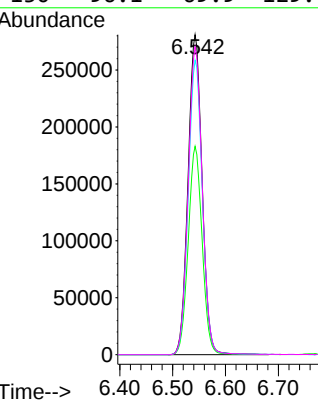
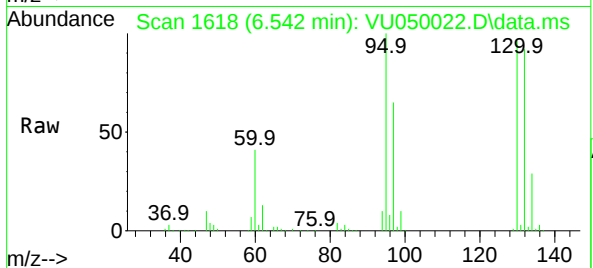
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 92.0 66.8 124.2

130 96.1 69.9 129.7



#35

Methylcyclohexane

Concen: 4.731 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

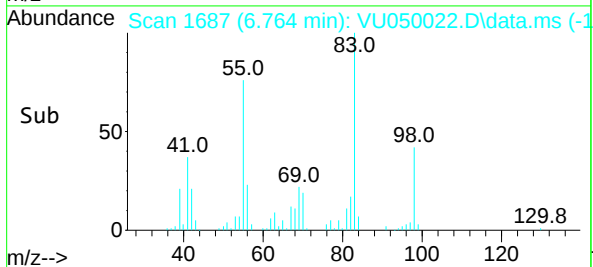
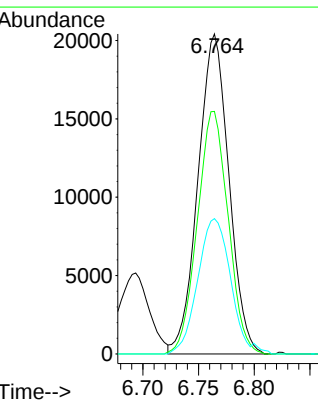
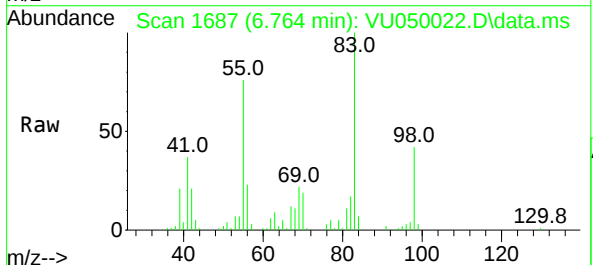
Tgt Ion: 83 Resp: 39410

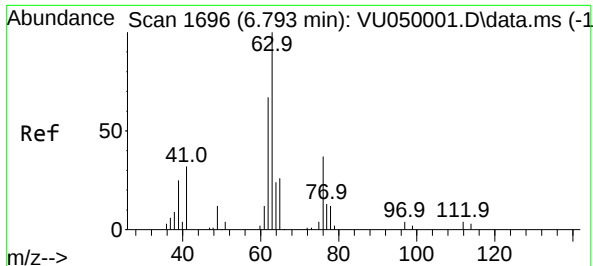
Ion Ratio Lower Upper

83 100

55 75.6 61.6 92.4

98 45.1 34.8 52.2





#37

1,2-Dichloropropane

Concen: 5.339 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

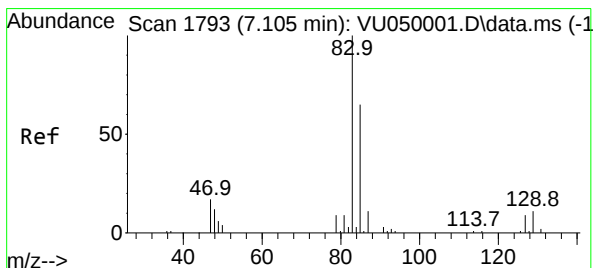
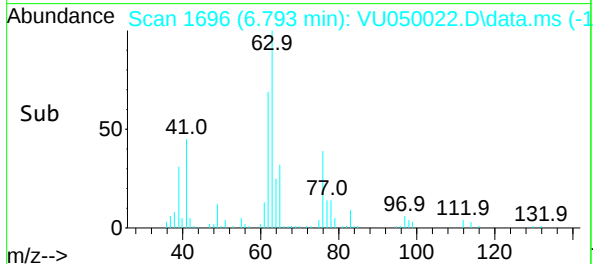
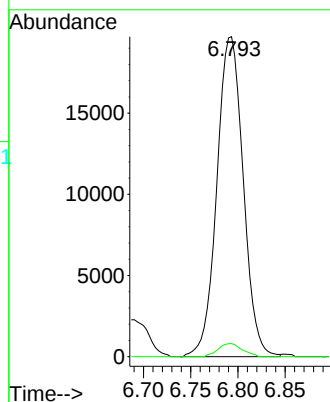
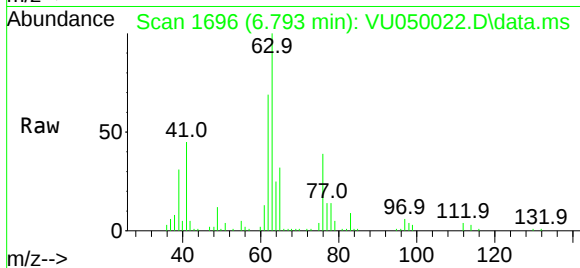
YBEA3MSD

Tgt Ion: 63 Resp: 38233

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.506 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

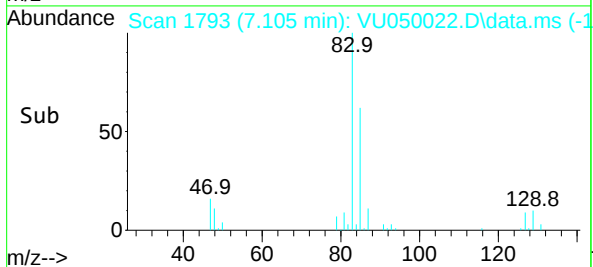
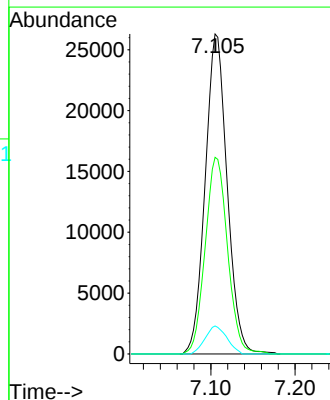
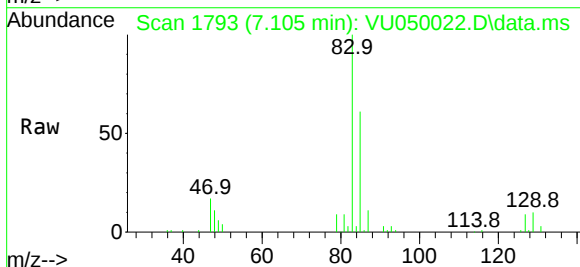
Tgt Ion: 83 Resp: 47704

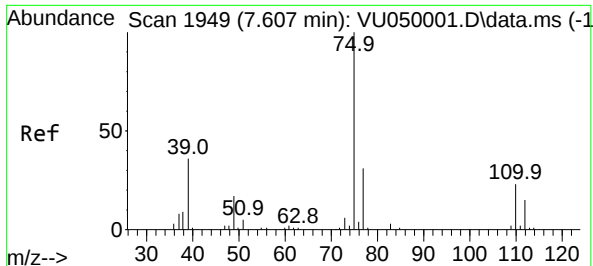
Ion Ratio Lower Upper

83 100

85 61.5 44.9 83.5

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

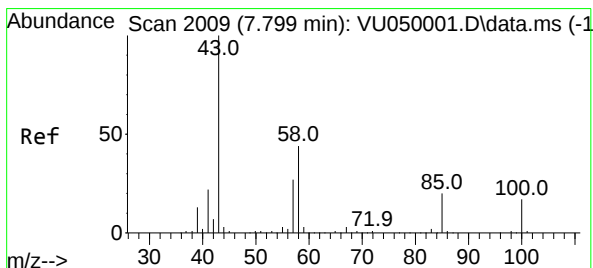
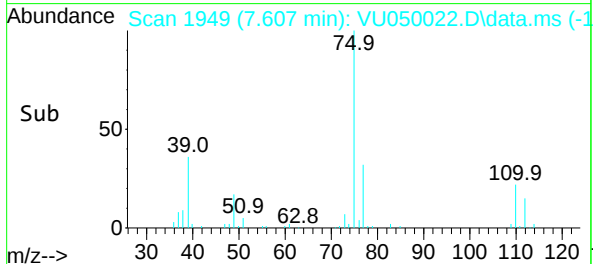
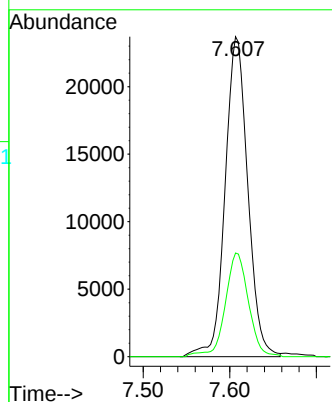
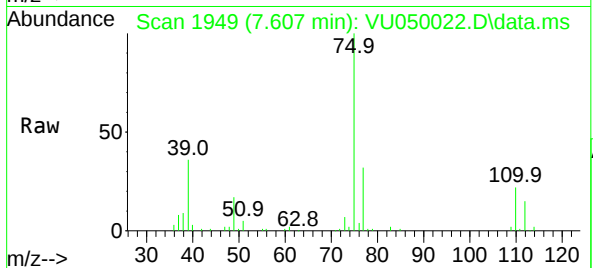
YBEA3MSD

Tgt Ion: 75 Resp: 43051

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 58.214 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

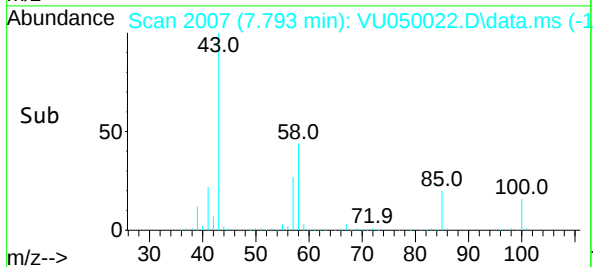
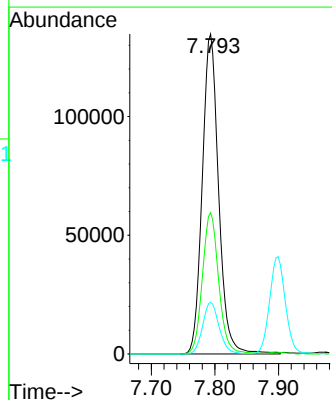
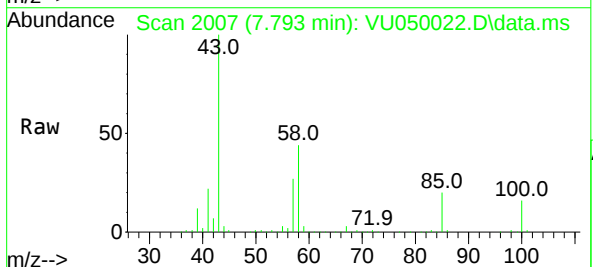
Tgt Ion: 43 Resp: 240865

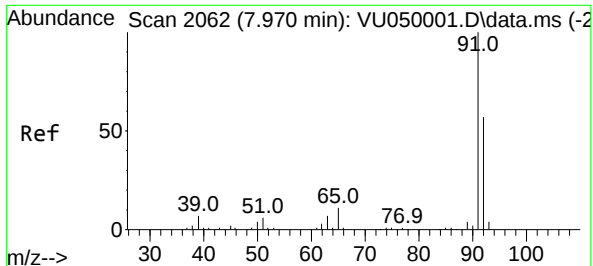
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 16.3 13.2 19.8

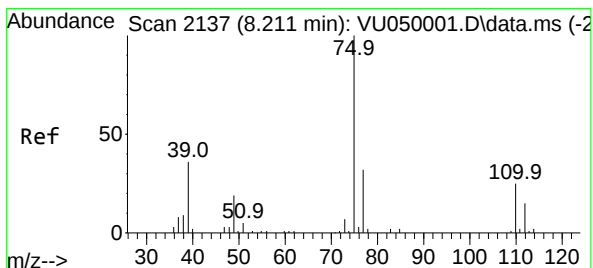
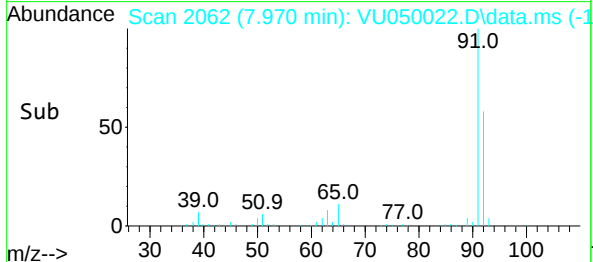
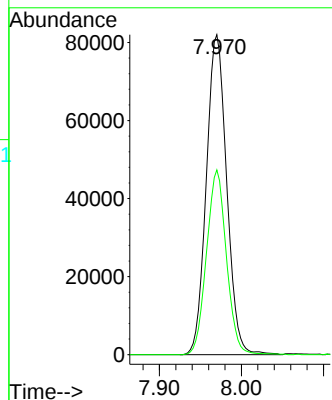
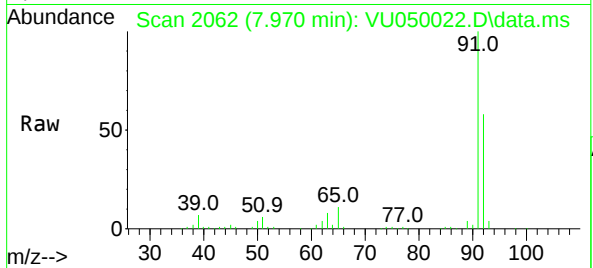




#42
Toluene
Concen: 5.353 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

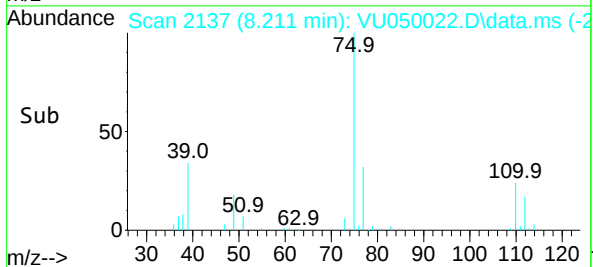
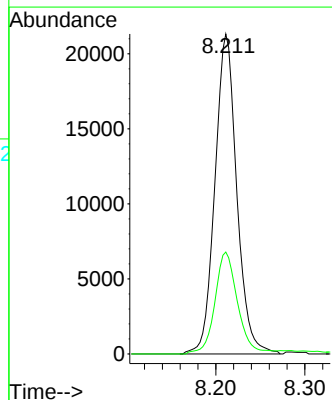
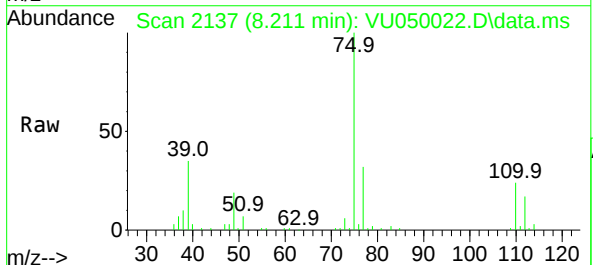
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

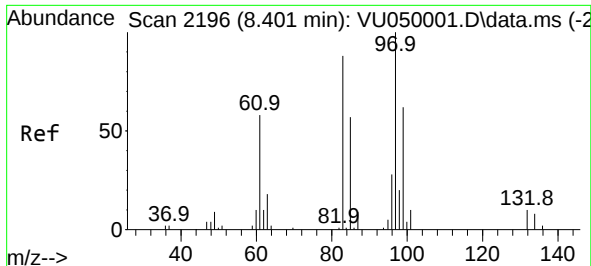
Tgt Ion: 91 Resp: 141438
Ion Ratio Lower Upper
91 100
92 57.8 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 4.670 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 75 Resp: 36342
Ion Ratio Lower Upper
75 100
77 31.8 24.1 44.8

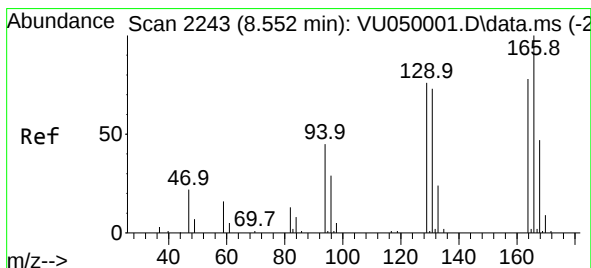
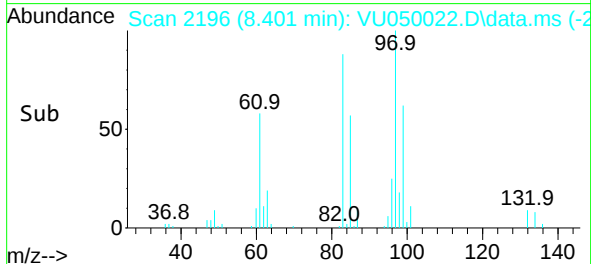
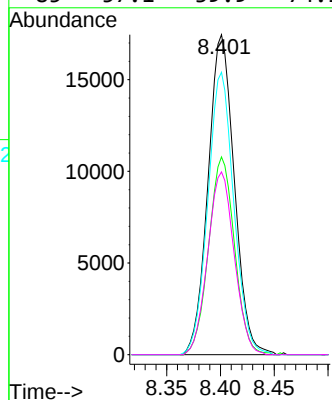
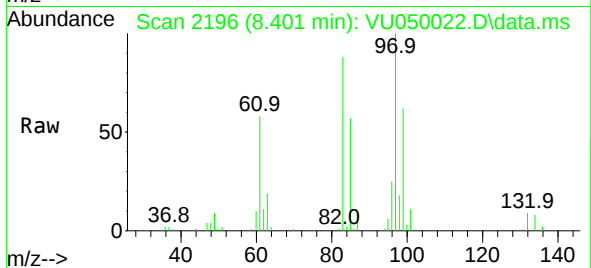




#45
1,1,2-Trichloroethane
Concen: 5.539 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

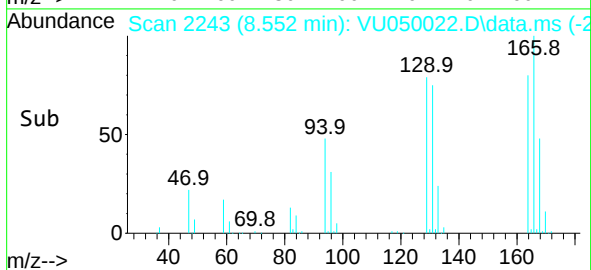
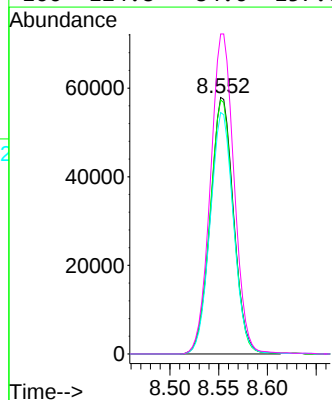
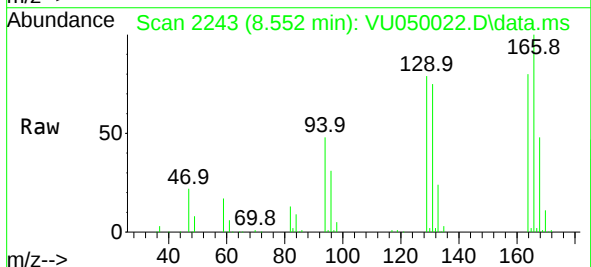
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

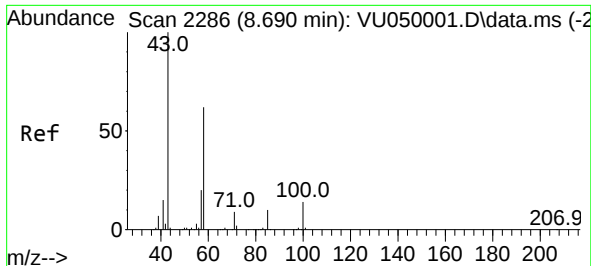
Tgt Ion: 97	Resp: 29635
Ion Ratio	Lower Upper
97 100	
99 61.8	43.5 80.9
83 88.2	59.9 111.3
85 57.1	39.9 74.1



#47
Tetrachloroethene
Concen: 21.135 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:164	Resp: 96070
Ion Ratio	Lower Upper
164 100	
129 99.0	66.3 123.1
131 94.2	63.1 117.1
166 124.8	84.6 157.0

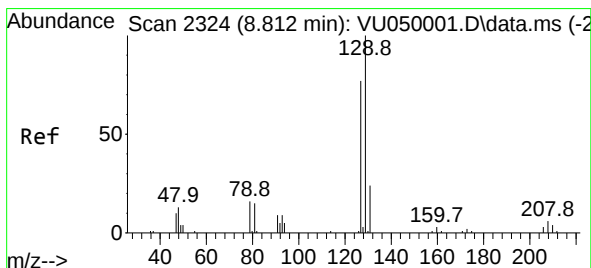
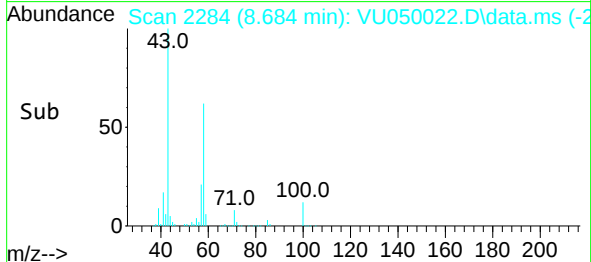
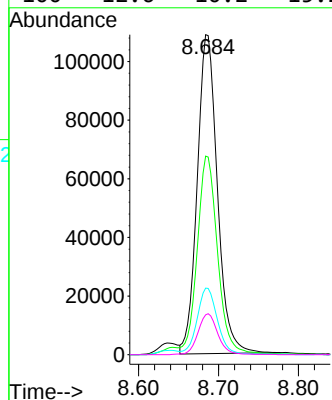
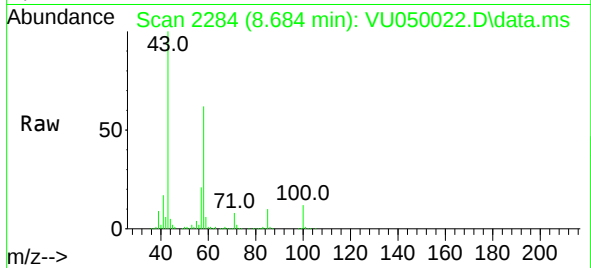




#48
2-Hexanone
Concen: 60.774 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

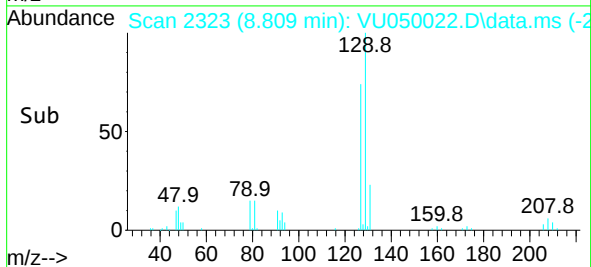
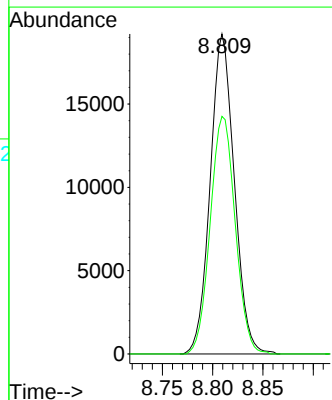
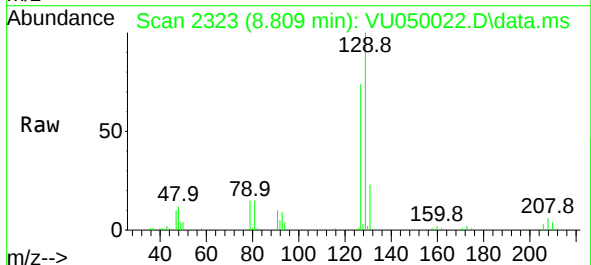
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

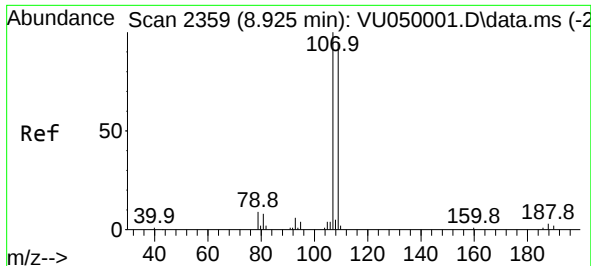
Tgt Ion: 43 Resp: 191683
Ion Ratio Lower Upper
43 100
58 63.4 49.4 74.0
57 20.7 17.0 25.4
100 12.6 10.2 15.2



#49
Dibromochloromethane
Concen: 5.470 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 129 Resp: 32029
Ion Ratio Lower Upper
129 100
127 74.3 54.5 101.1

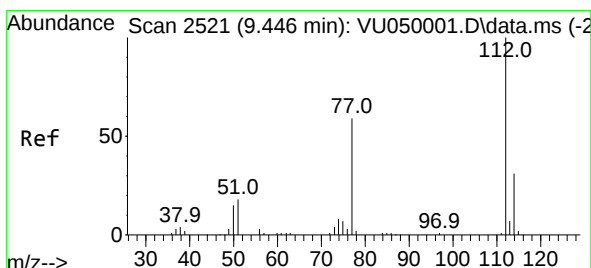
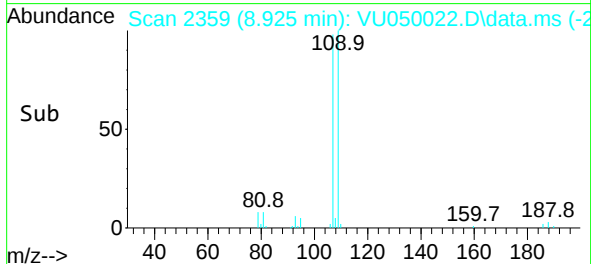
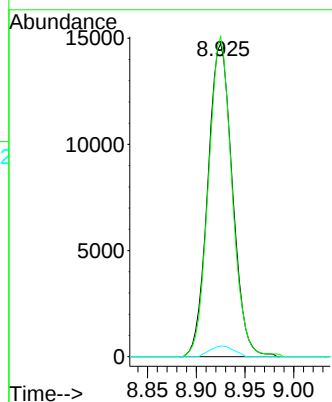
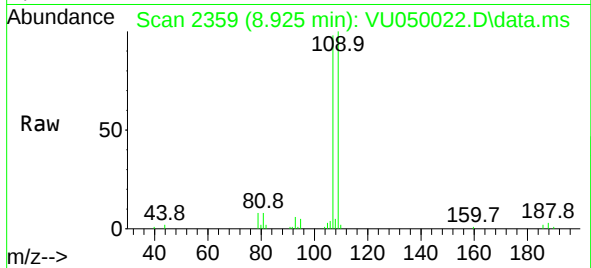




#50
1,2-Dibromoethane
Concen: 5.454 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

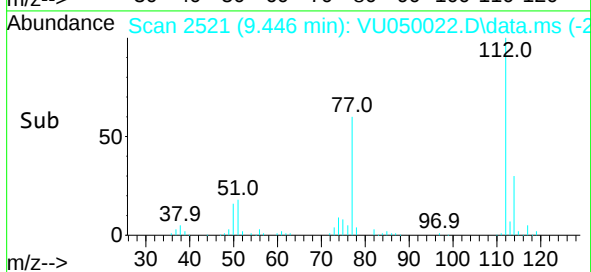
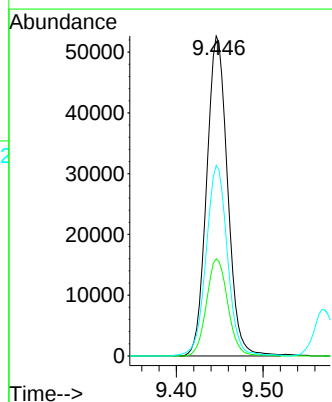
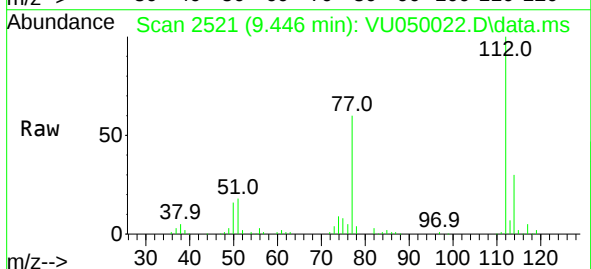
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

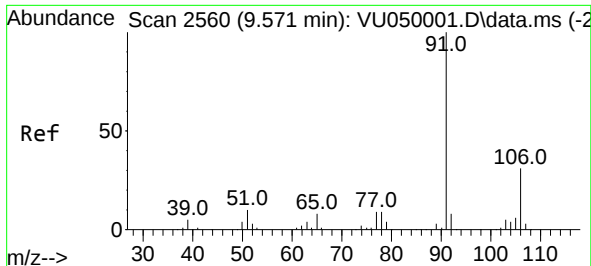
Tgt Ion:107 Resp: 25911
Ion Ratio Lower Upper
107 100
109 102.2 62.7 116.5
188 3.4 2.4 3.6



#51
Chlorobenzene
Concen: 5.263 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:112 Resp: 88278
Ion Ratio Lower Upper
112 100
114 30.4 22.4 41.6
77 59.5 48.2 72.4





#52

Ethylbenzene

Concen: 5.046 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

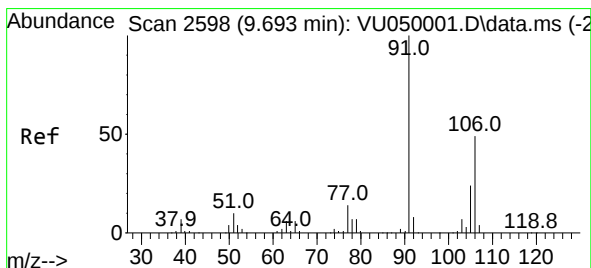
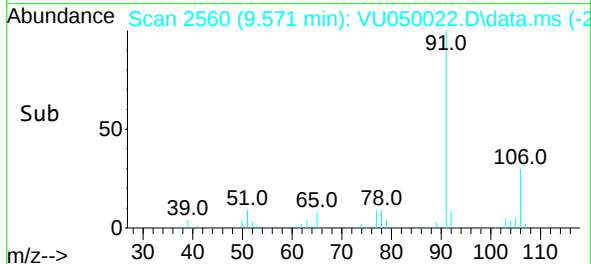
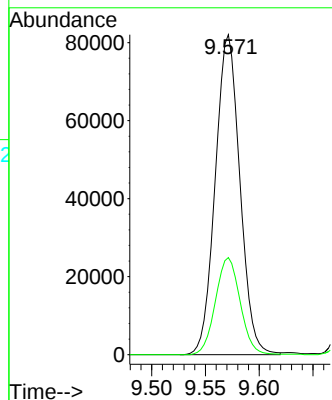
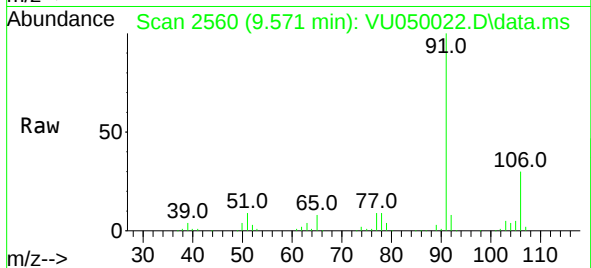
YBEA3MSD

Tgt Ion: 91 Resp: 130599

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-Xylene

Concen: 5.076 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU050022.D

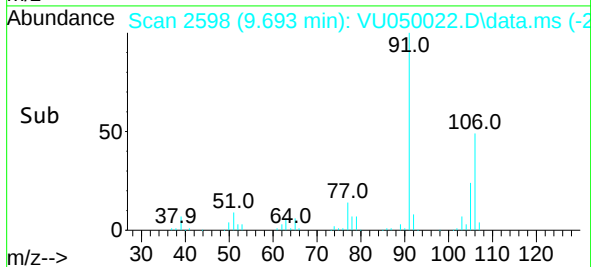
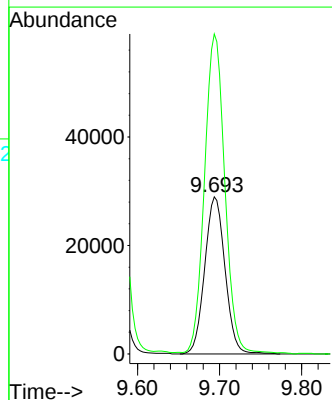
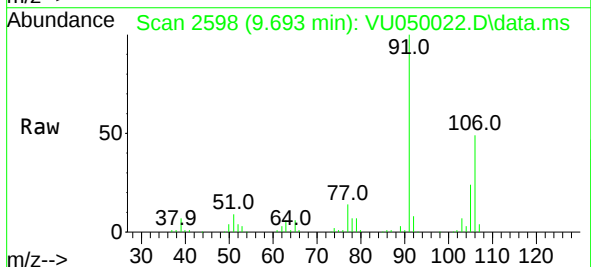
Acq: 29 Jul 2022 06:43

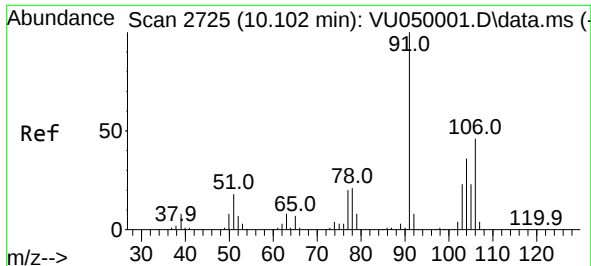
Tgt Ion: 106 Resp: 50022

Ion Ratio Lower Upper

106 100

91 203.8 142.4 264.4

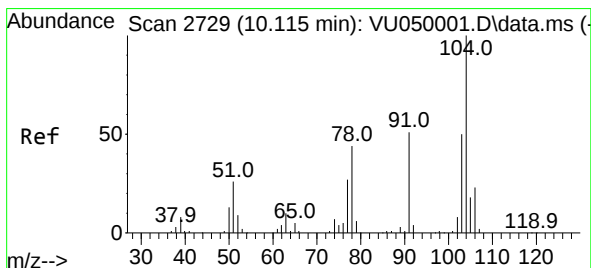
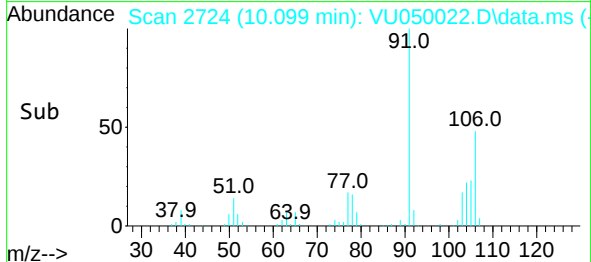
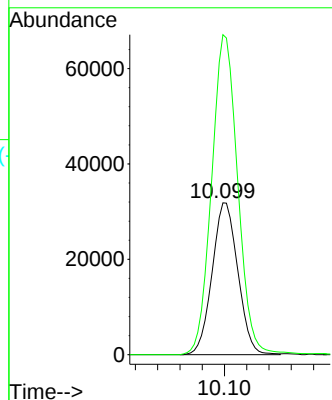
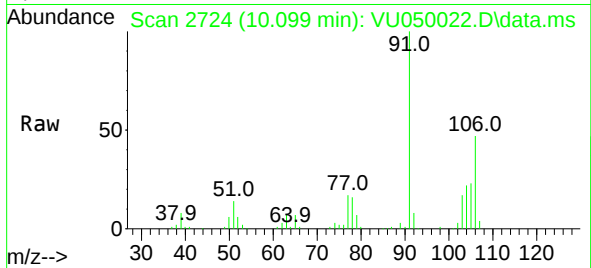




#54
o-Xylene
Concen: 5.340 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

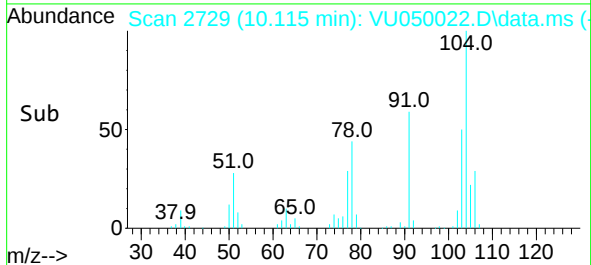
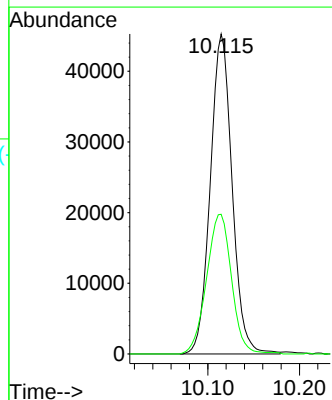
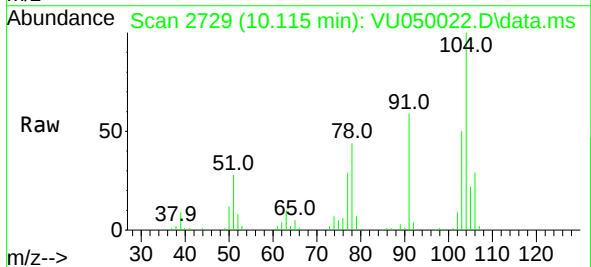
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

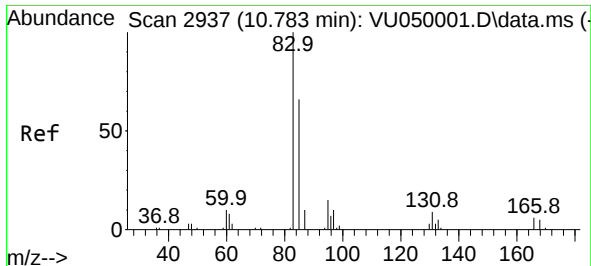
Tgt Ion:106 Resp: 51024
Ion Ratio Lower Upper
106 100
91 210.8 148.7 276.1



#55
Styrene
Concen: 4.599 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:104 Resp: 74857
Ion Ratio Lower Upper
104 100
78 43.6 30.9 57.3

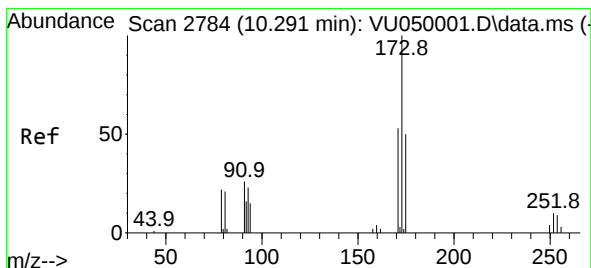
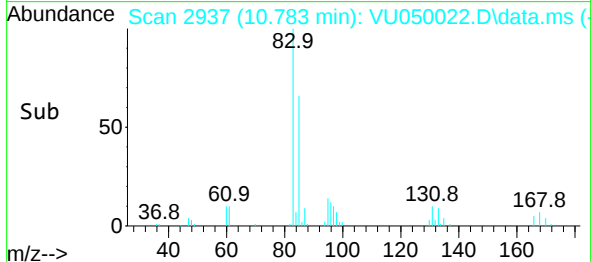
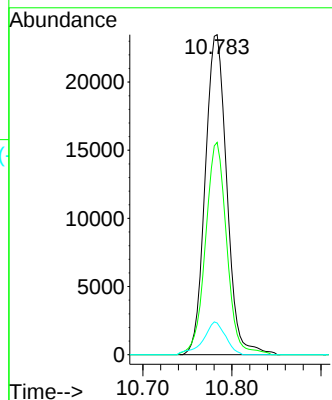
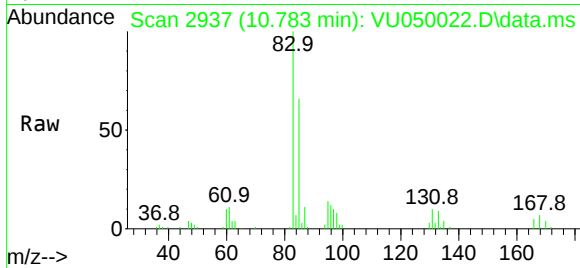




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.661 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

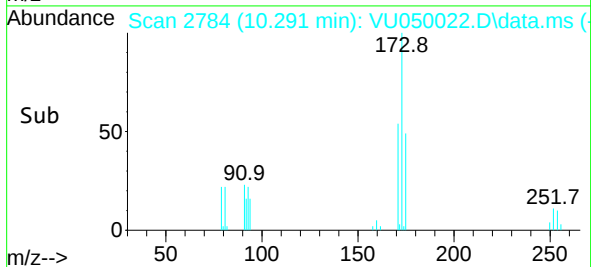
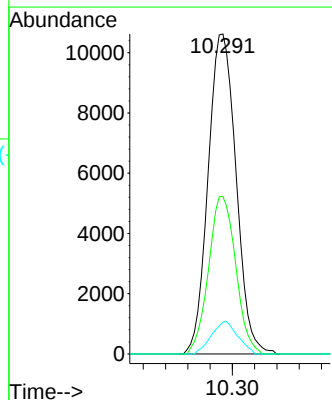
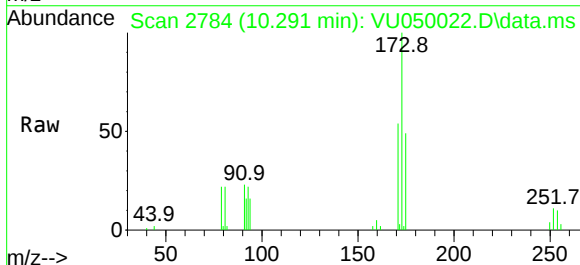
Instrument :
 MSVOA_U
 ClientSampleId :
 YBEA3MSD

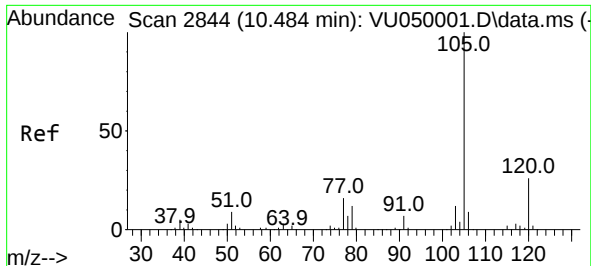
Tgt Ion: 83 Resp: 39425
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.6 86.6
 131 9.9 7.9 11.9



#59
 Bromoform
 Concen: 5.541 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. 0.000 min
 Lab File: VU050022.D
 Acq: 29 Jul 2022 06:43

Tgt Ion: 173 Resp: 18487
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.1 58.7
 254 9.5 7.5 11.3

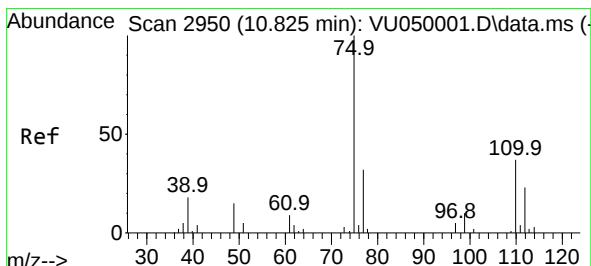
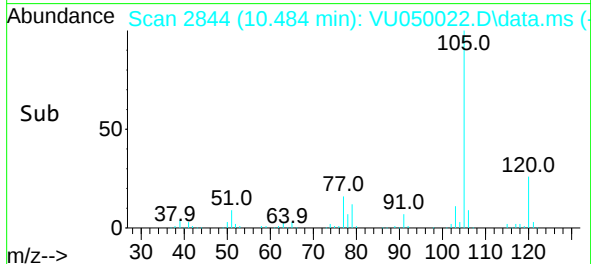
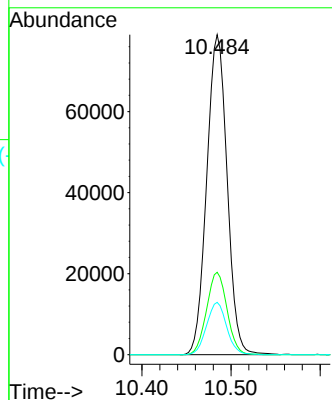
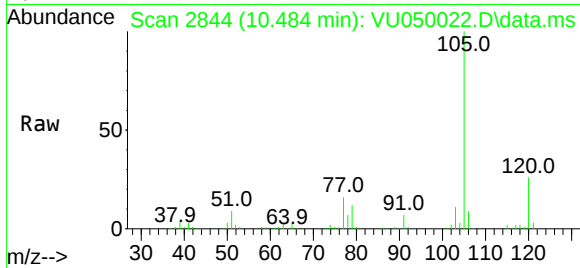




#60
Isopropylbenzene
Concen: 5.116 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

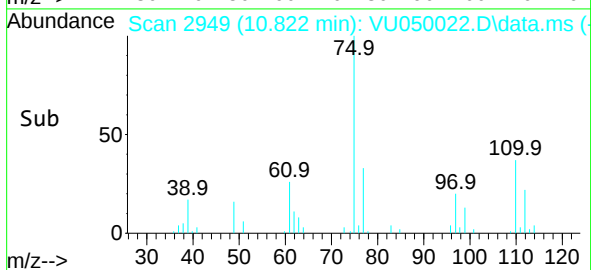
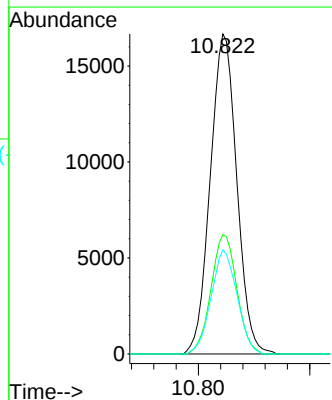
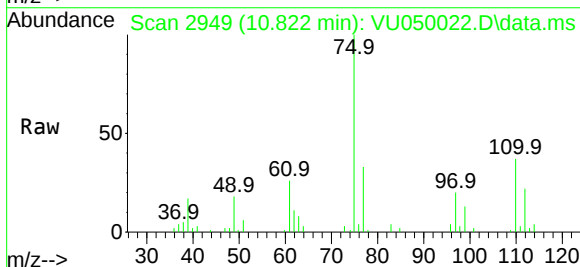
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

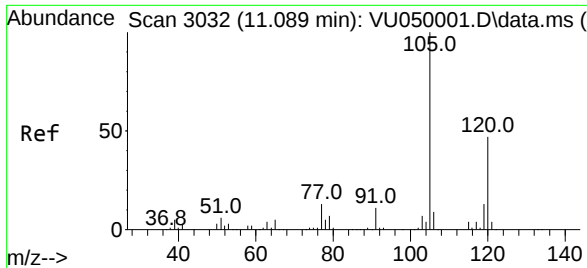
Tgt Ion:105 Resp: 125459
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.704 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion: 75 Resp: 27497
Ion Ratio Lower Upper
75 100
110 36.3 28.1 42.1
77 31.9 24.7 37.1

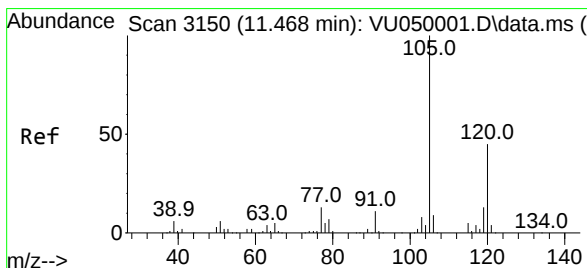
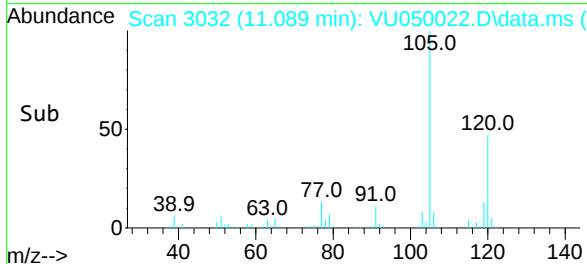
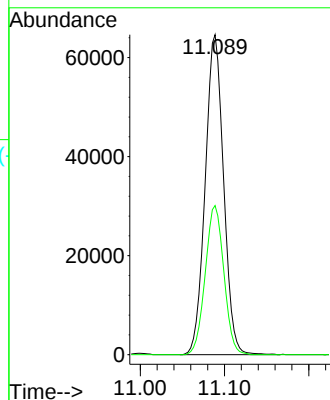
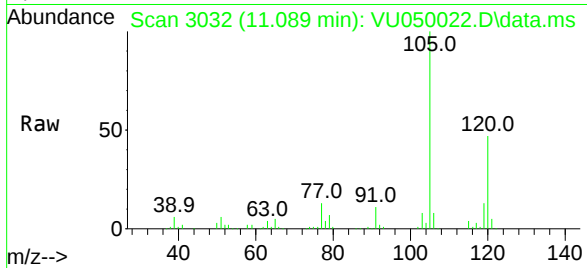




#62
1,3,5-Trimethylbenzene
Concen: 4.933 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

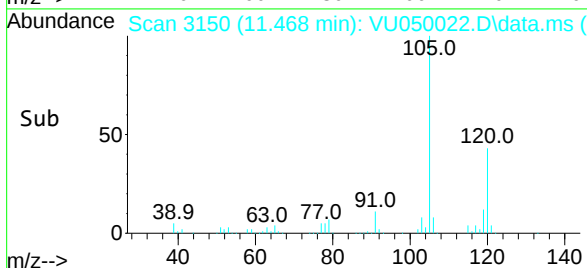
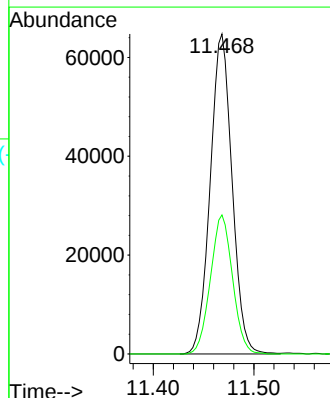
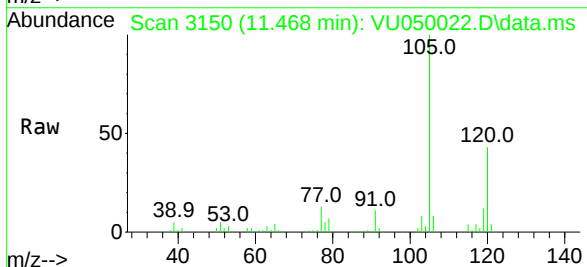
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

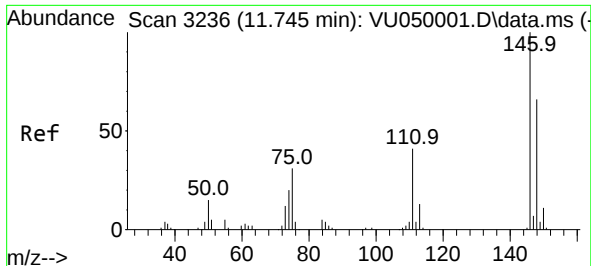
Tgt Ion:105 Resp: 98274
Ion Ratio Lower Upper
105 100
120 47.1 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.058 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:105 Resp: 97658
Ion Ratio Lower Upper
105 100
120 43.9 35.4 53.2

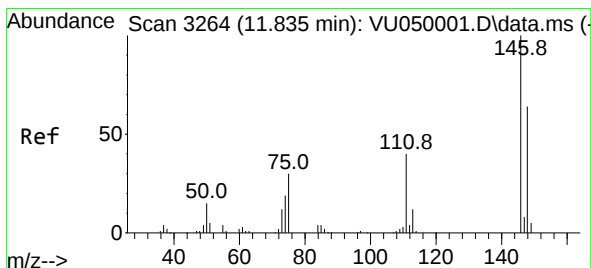
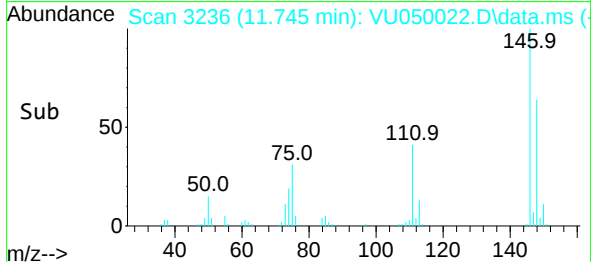
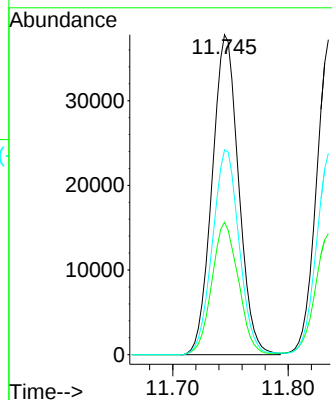
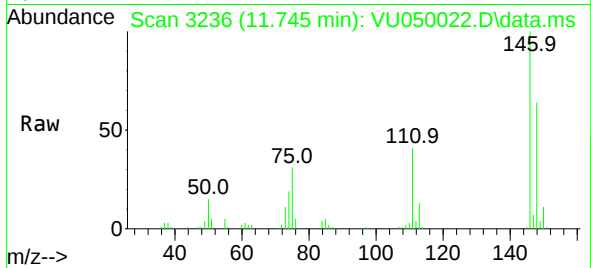




#64
1,3-Dichlorobenzene
Concen: 5.126 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

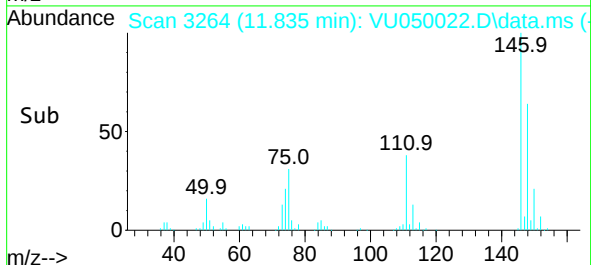
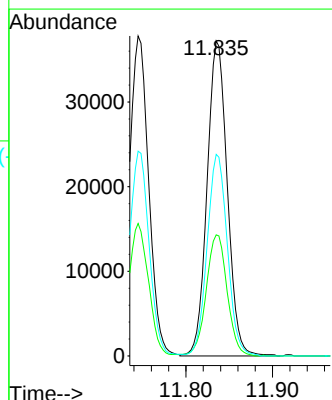
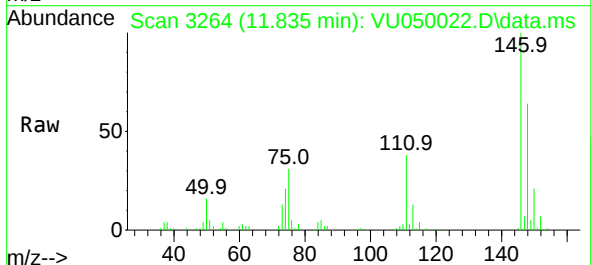
Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD

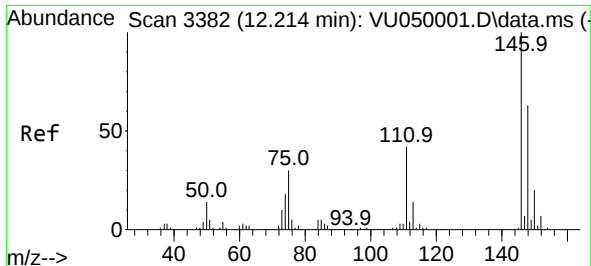
Tgt Ion:146 Resp: 60185
Ion Ratio Lower Upper
146 100
111 41.4 28.9 53.7
148 64.0 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 5.191 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:146 Resp: 60310
Ion Ratio Lower Upper
146 100
111 38.4 26.4 49.0
148 64.0 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.344 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

YBEA3MSD

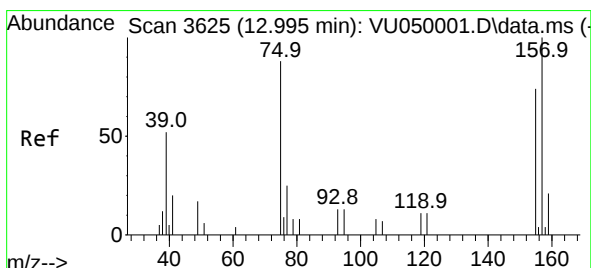
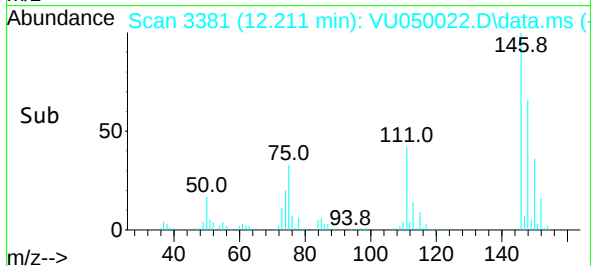
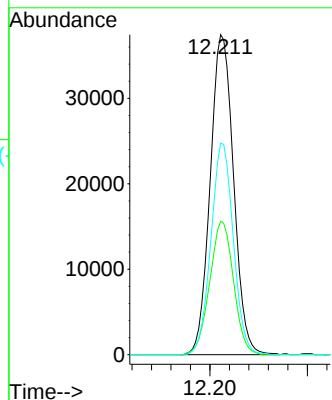
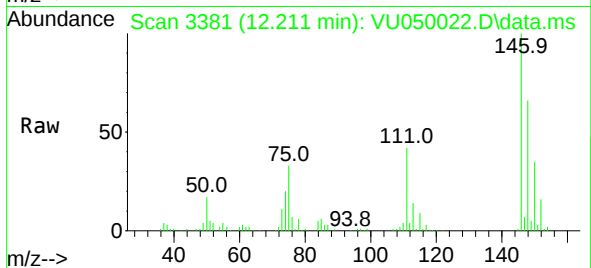
Tgt Ion:146 Resp: 62342

Ion Ratio Lower Upper

146 100

111 41.7 33.4 50.2

148 66.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.853 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

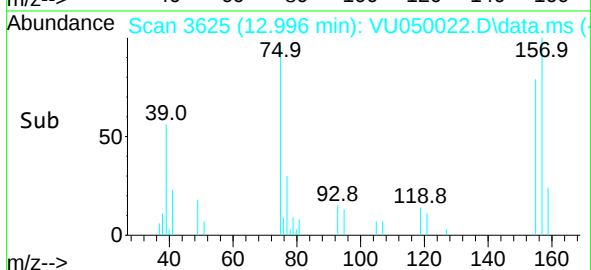
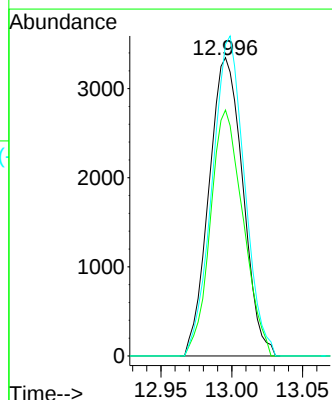
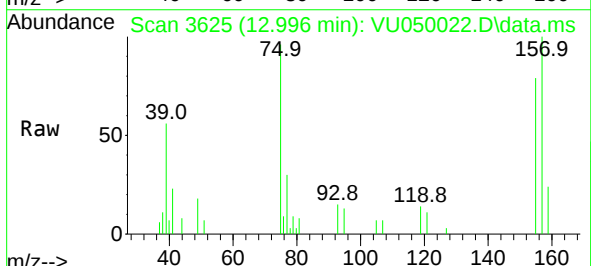
Tgt Ion: 75 Resp: 5573

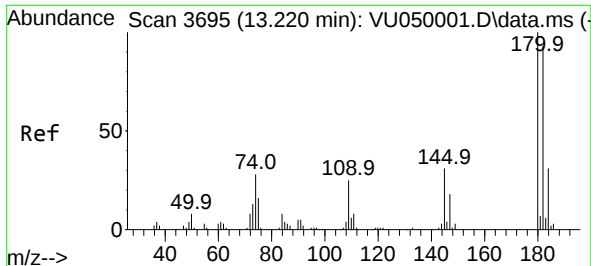
Ion Ratio Lower Upper

75 100

155 82.5 59.4 89.0

157 104.5 73.8 110.6





#69

1,3,5-Trichlorobenzene

Concen: 4.980 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

Instrument :

MSVOA_U

ClientSampleId :

YBEA3MSD

Tgt Ion:180 Resp: 42162

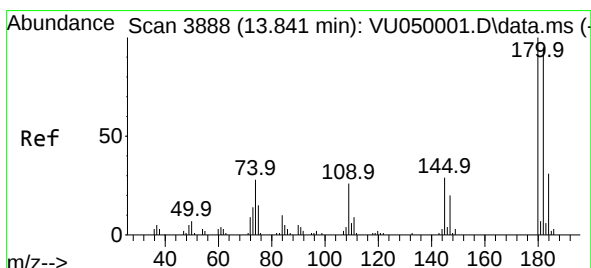
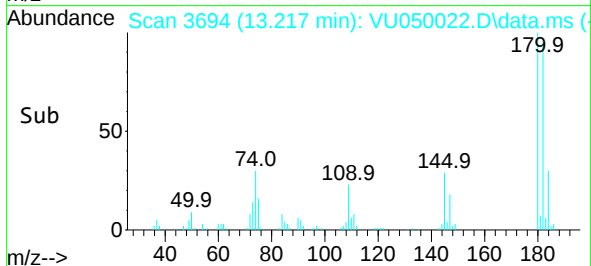
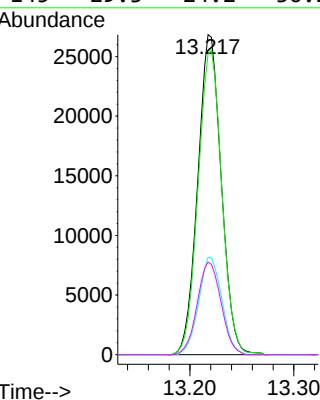
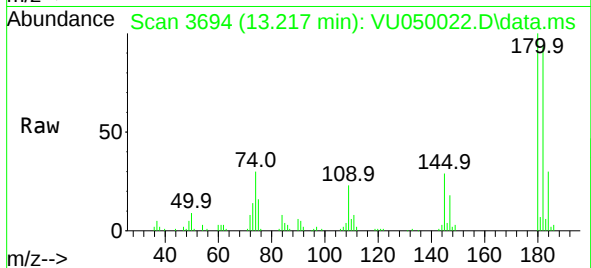
Ion Ratio Lower Upper

180 100

182 95.7 77.2 115.8

184 30.1 23.9 35.9

145 29.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.973 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050022.D

Acq: 29 Jul 2022 06:43

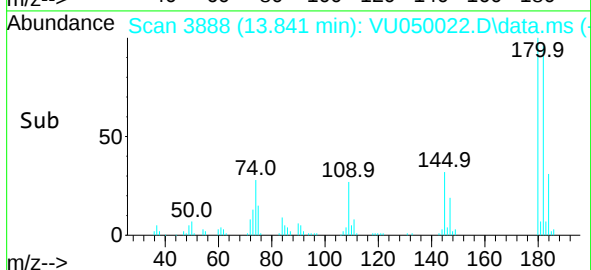
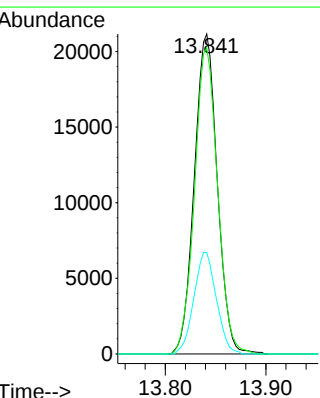
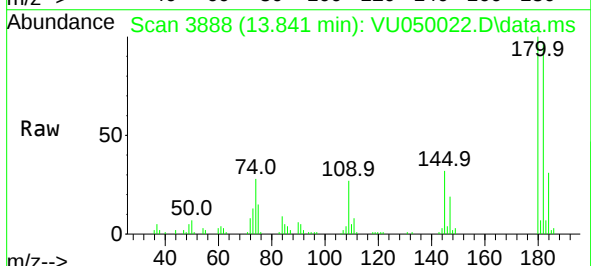
Tgt Ion:180 Resp: 33580

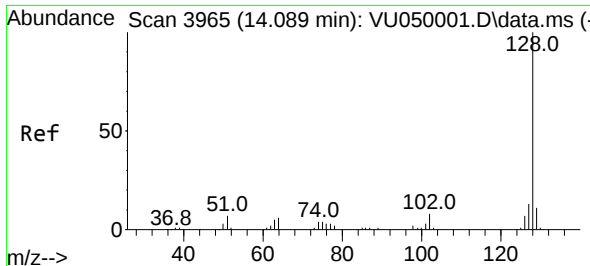
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

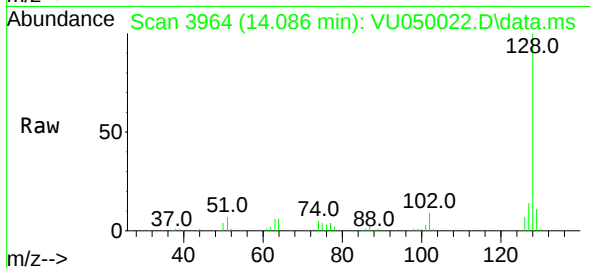
145 31.1 23.8 35.8



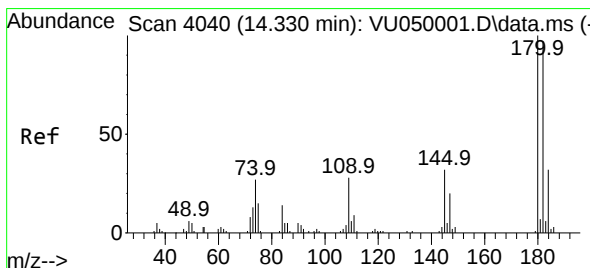
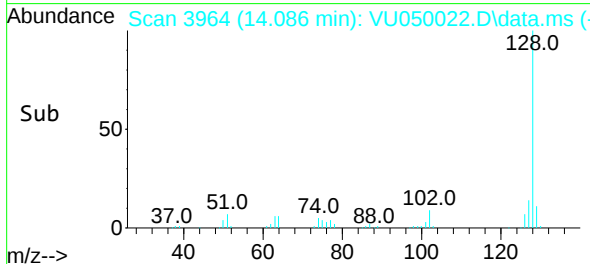
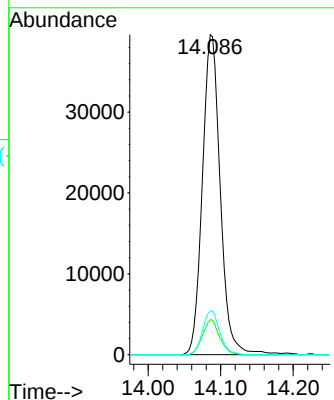


#71
Naphthalene
Concen: 5.061 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Instrument :
MSVOA_U
ClientSampleId :
YBEA3MSD



Tgt Ion:128 Resp: 67767
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 13.1 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.242 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050022.D
Acq: 29 Jul 2022 06:43

Tgt Ion:180 Resp: 35132
Ion Ratio Lower Upper
180 100
182 96.4 77.0 115.4
145 31.9 26.3 39.5

