

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053191.D
 Acq On : 15 Mar 2023 10:12
 Operator : JC/MD
 Sample : VSTD01006
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010006

Quant Time: Mar 16 03:44:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:43:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	173609	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	166754	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	85852	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	15513	9.673	ug/L	0.00
7) Chloroethane-d5	1.916	69	12156	9.103	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	26730	9.754	ug/L	0.00
21) 2-Butanone-d5	4.636	46	14728	17.953	ug/L	0.01
24) Chloroform-d	5.060	84	25142	9.076	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	16174	9.212	ug/L	0.00
32) Benzene-d6	5.726	84	51622	8.863	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	16607	8.741	ug/L	0.00
41) Toluene-d8	7.893	98	48581	9.010	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	8134	8.444	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	10581	16.421	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	21557	8.534	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.185	152	15772	8.505	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	17041	9.566	ug/L	97
3) Chloromethane	1.520	50	16274	9.425	ug/L	96
5) Vinyl chloride	1.604	62	17383	9.383	ug/L	96
6) Bromomethane	1.858	94	10147	8.648	ug/L	96
8) Chloroethane	1.935	64	9979	8.890	ug/L	98
9) Trichlorofluoromethane	2.141	101	22091	9.266	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	13308	9.797	ug/L	97
12) 1,1-Dichloroethene	2.581	96	12154	9.518	ug/L	100
13) Acetone	2.639	43	17370	29.308	ug/L	97
14) Carbon disulfide	2.793	76	36656	8.907	ug/L	100
15) Methyl Acetate	2.951	43	11344	9.850	ug/L	98
16) Methylene chloride	3.044	84	15820	10.698	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	12756	9.808	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	41482	9.509	ug/L	99
19) 1,1-Dichloroethane	3.867	63	25923	10.104	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	14706	9.685	ug/L	96
22) 2-Butanone	4.707	43	18590	22.084	ug/L	93
23) Bromochloromethane	4.970	128	6589	9.217	ug/L	92
25) Chloroform	5.083	83	24857	9.499	ug/L	95
27) 1,2-Dichloroethane	5.793	62	20431	10.072	ug/L	99
29) Cyclohexane	5.385	56	24412	9.902	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	21889	9.448	ug/L	100
31) Carbon tetrachloride	5.523	117	17314	8.837	ug/L	98
33) Benzene	5.771	78	54854	9.365	ug/L	100
34) Trichloroethene	6.536	95	14685	9.632	ug/L	96
35) Methylcyclohexane	6.758	83	25312	9.594	ug/L	98
37) 1,2-Dichloropropane	6.787	63	15193	9.370	ug/L	# 97
38) Bromodichloromethane	7.102	83	19118	9.399	ug/L	93
39) cis-1,3-Dichloropropene	7.604	75	24897	9.349	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	32644	18.883	ug/L	99
42) Toluene	7.967	91	58240	9.299	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	22739	9.258	ug/L	97

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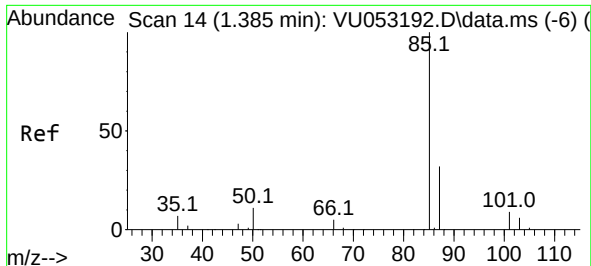
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	13618	9.289	ug/L	97
46) Tetrachloroethene	8.549	164	8967	8.929	ug/L	96
48) 2-Hexanone	8.684	43	26874	19.401	ug/L	99
49) Dibromochloromethane	8.803	129	13981	9.209	ug/L	100
50) 1,2-Dibromoethane	8.922	107	14365	9.179	ug/L	96
51) Chlorobenzene	9.443	112	37308	9.624	ug/L	97
52) Ethylbenzene	9.565	91	66817	9.570	ug/L	99
53) m,p-Xylene	9.690	106	24773	9.461	ug/L	96
54) o-Xylene	10.095	106	24469	9.403	ug/L	100
55) Styrene	10.111	104	39776	9.198	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	23218	9.690	ug/L	97
59) Bromoform	10.288	173	8868	8.487	ug/L #	97
60) 1,2,3-Trichloropropane	10.819	75	16703	9.359	ug/L	98
61) Isopropylbenzene	10.481	105	65600	9.592	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	54438	9.420	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	52506	9.354	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	27411	9.705	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	27430	9.586	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	27169	9.568	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	4417	8.486	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	16800	8.800	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	14268	7.924	ug/L	98
71) Naphthalene	14.082	128	47060	6.853	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	13364	7.453	ug/L	99

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

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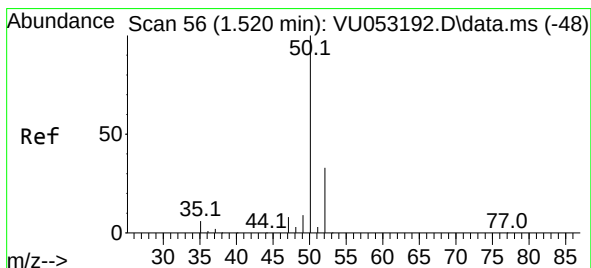
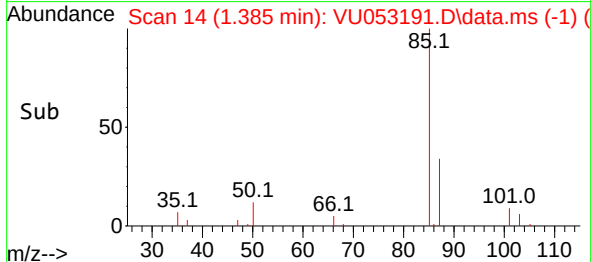
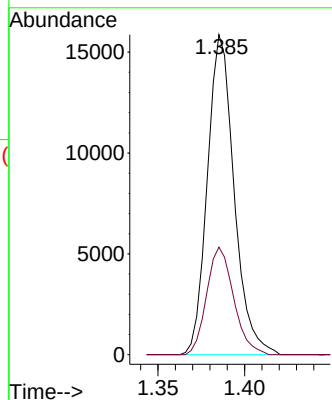
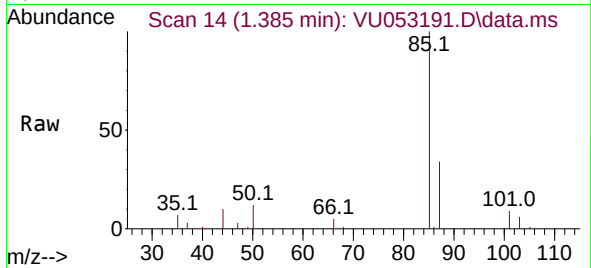




#2
Dichlorodifluoromethane
Concen: 9.566 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

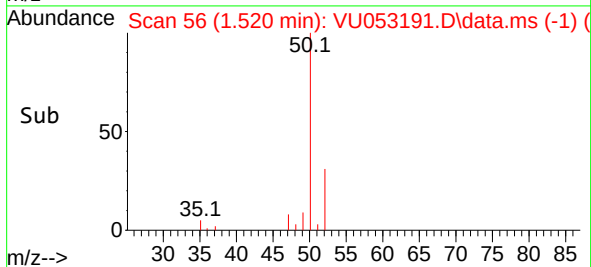
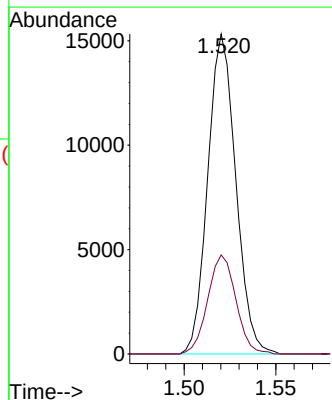
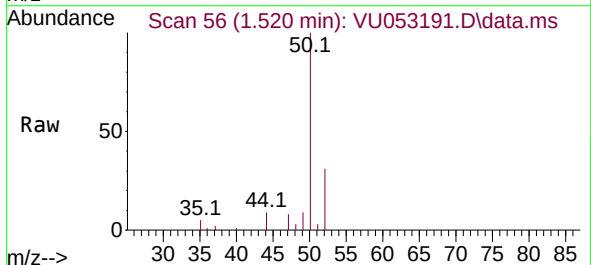
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

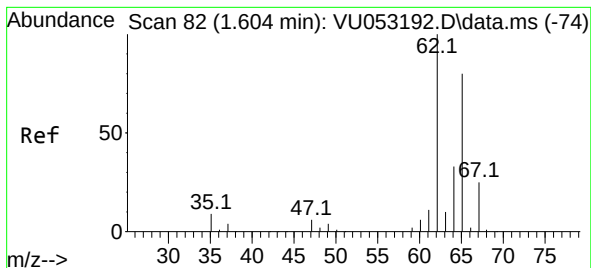
Tgt Ion: 85 Resp: 17041
Ion Ratio Lower Upper
85 100
87 33.8 25.8 38.8



#3
Chloromethane
Concen: 9.425 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 50 Resp: 16274
Ion Ratio Lower Upper
50 100
52 30.9 23.4 43.4





#5

Vinyl chloride

Concen: 9.383 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

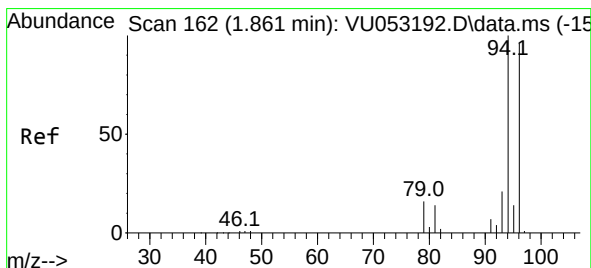
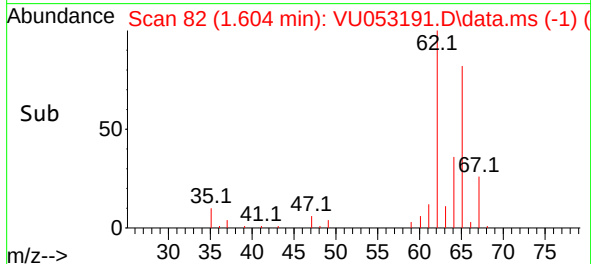
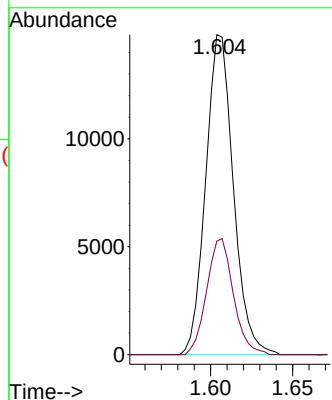
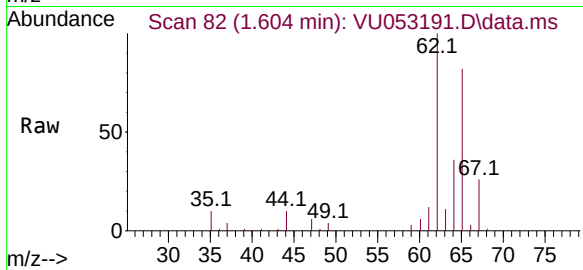
VSTD010006

Tgt Ion: 62 Resp: 17383

Ion Ratio Lower Upper

62 100

64 35.5 23.2 43.0



#6

Bromomethane

Concen: 8.648 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.003 min

Lab File: VU053191.D

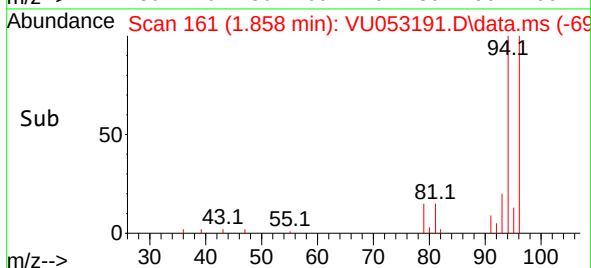
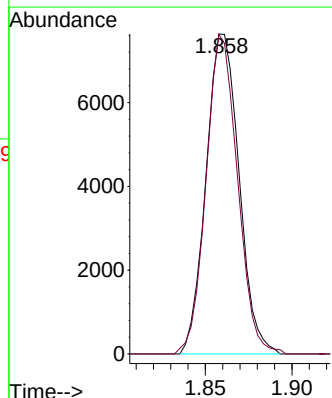
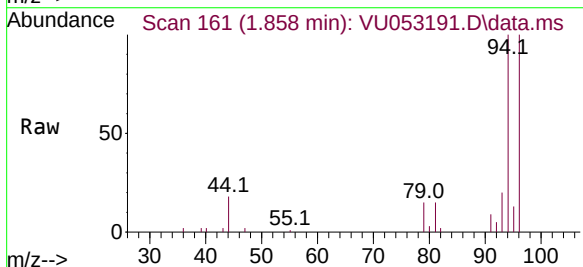
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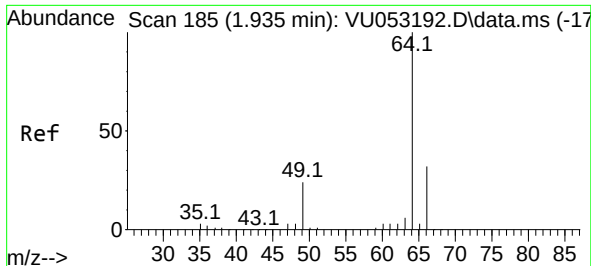
Tgt Ion: 94 Resp: 10147

Ion Ratio Lower Upper

94 100

96 99.8 67.5 125.3

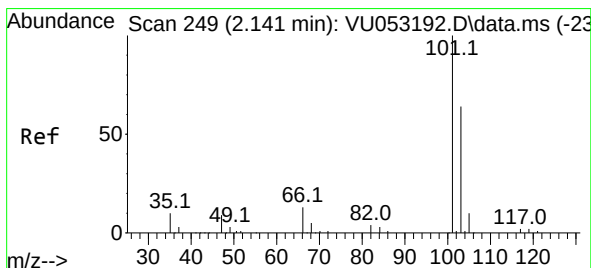
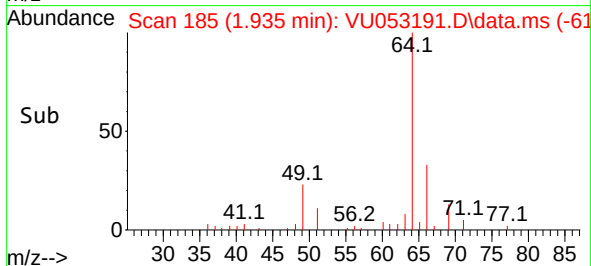
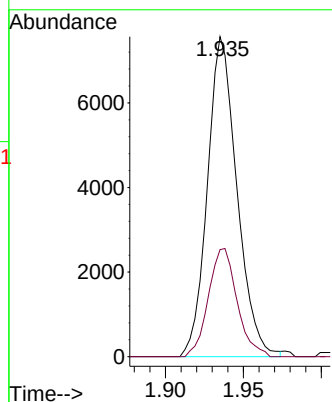
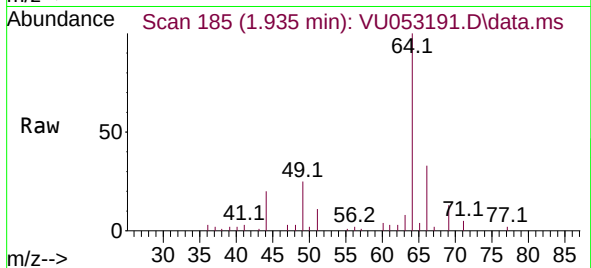




#8
Chloroethane
Concen: 8.890 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

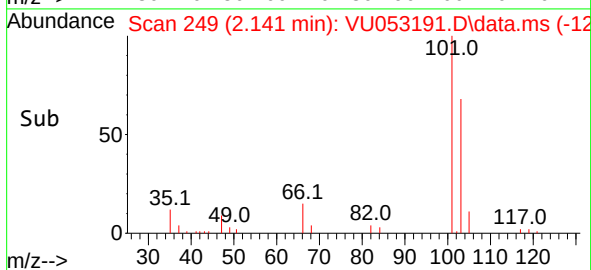
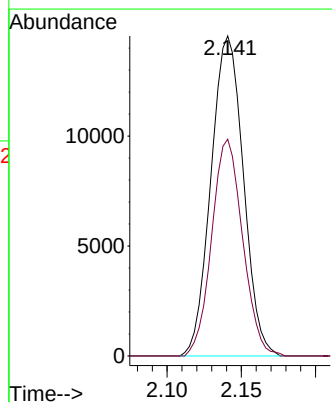
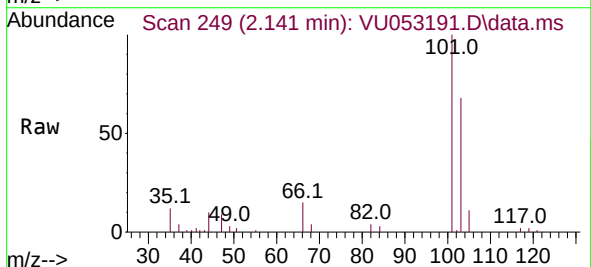
Instrument :
MSVOA_U
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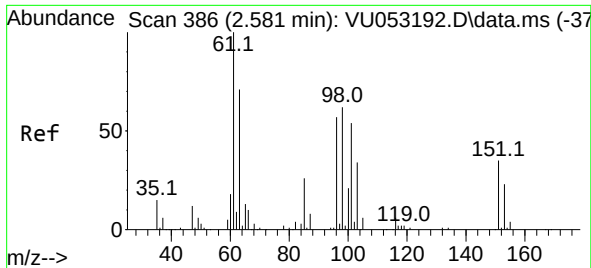
Tgt Ion: 64 Resp: 9979
Ion Ratio Lower Upper
64 100
66 33.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 9.266 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:101 Resp: 22091
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0

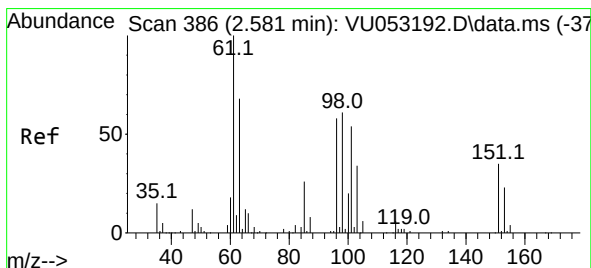
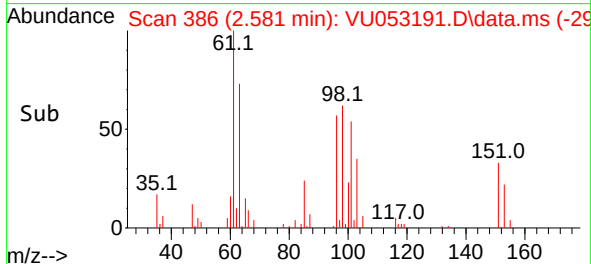
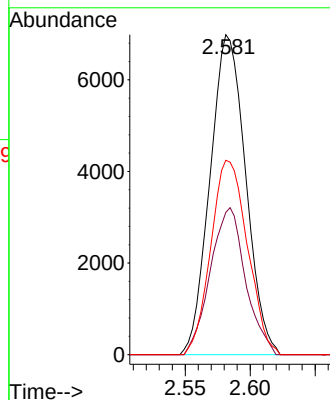
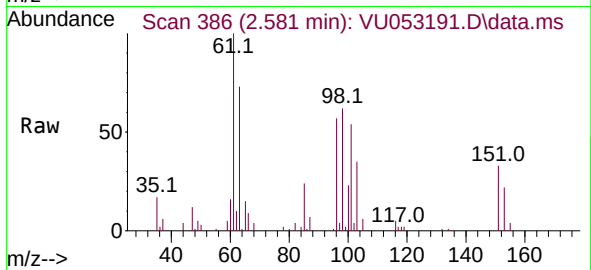




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.797 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053191.D
 Acq: 15 Mar 2023 10:12

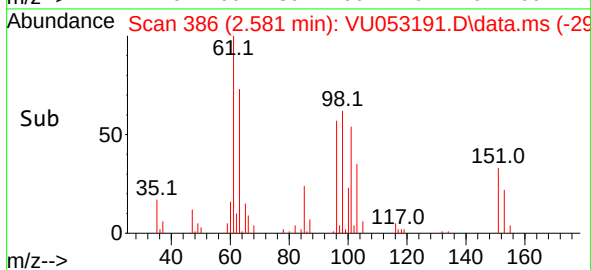
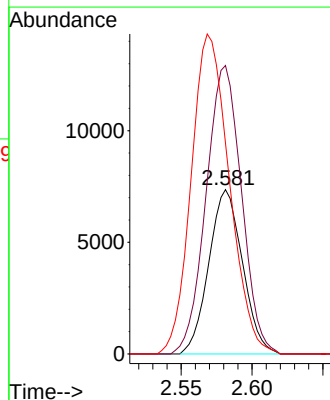
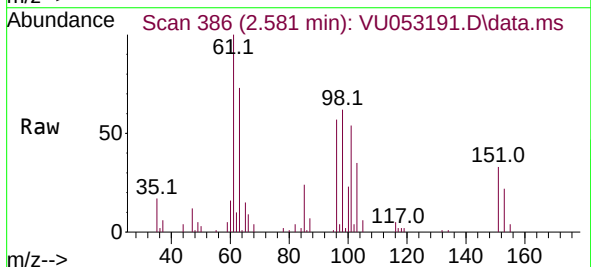
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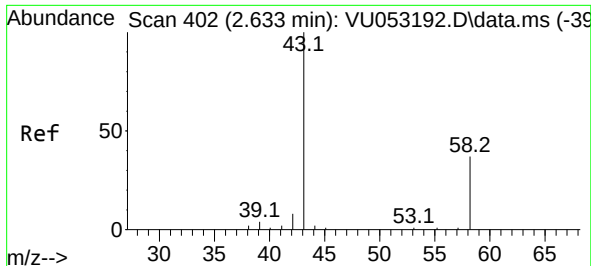
Tgt Ion:101 Resp: 13308
 Ion Ratio Lower Upper
 101 100
 85 45.3 37.0 55.6
 151 62.5 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 9.518 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053191.D
 Acq: 15 Mar 2023 10:12

Tgt Ion: 96 Resp: 12154
 Ion Ratio Lower Upper
 96 100
 61 175.5 122.2 226.9
 63 128.3 89.9 166.9





#13

Acetone

Concen: 29.308 ug/L

RT: 2.639 min Scan# 402

Delta R.T. 0.007 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

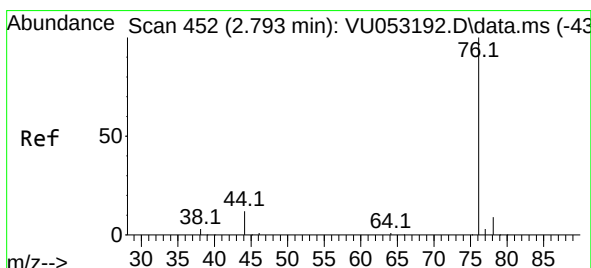
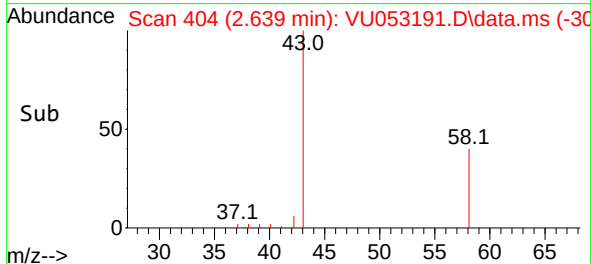
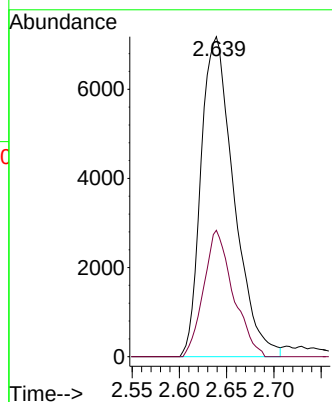
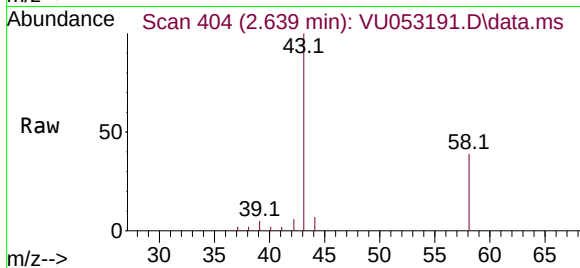
VSTD010006

Tgt Ion: 43 Resp: 17370

Ion Ratio Lower Upper

43 100

58 35.5 0.0 75.0



#14

Carbon disulfide

Concen: 8.907 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053191.D

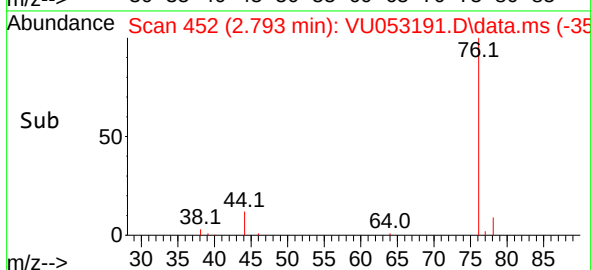
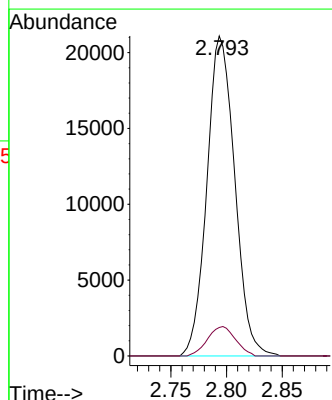
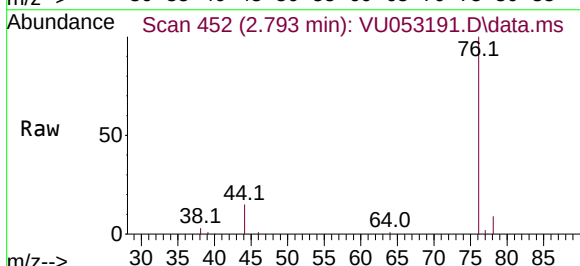
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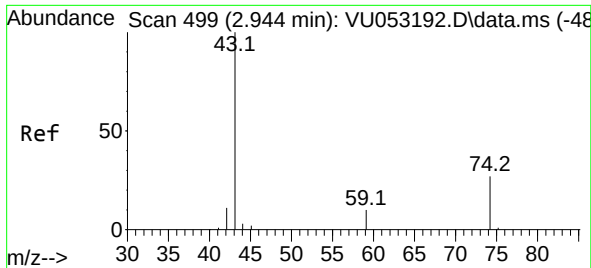
Tgt Ion: 76 Resp: 36656

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

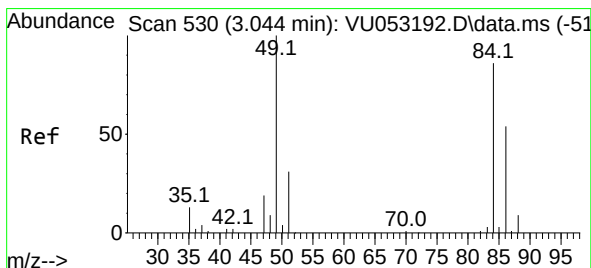
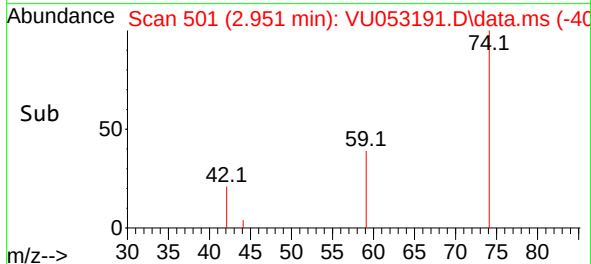
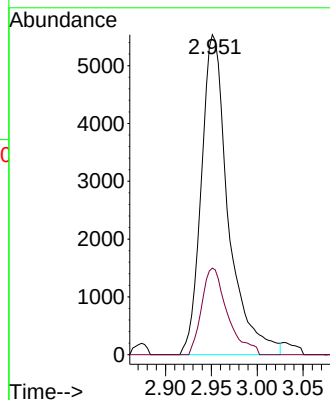
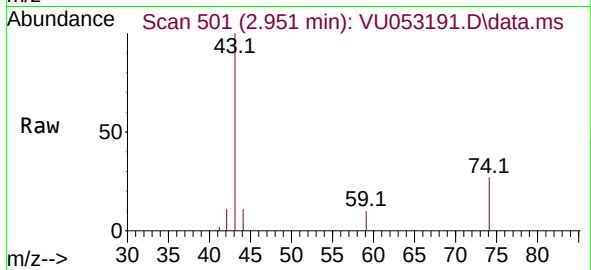




#15
Methyl Acetate
Concen: 9.850 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

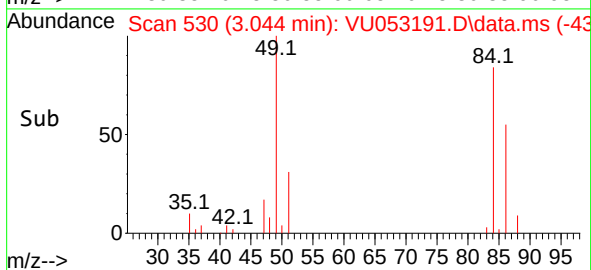
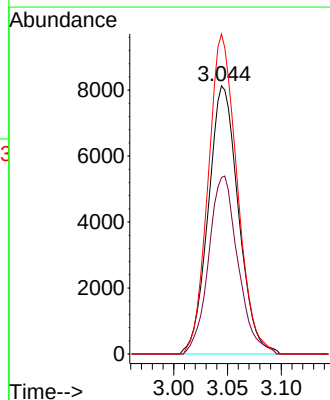
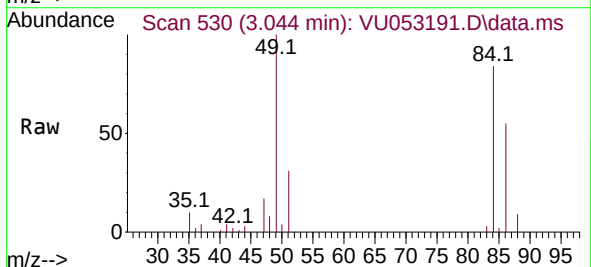
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ClientSampleId :
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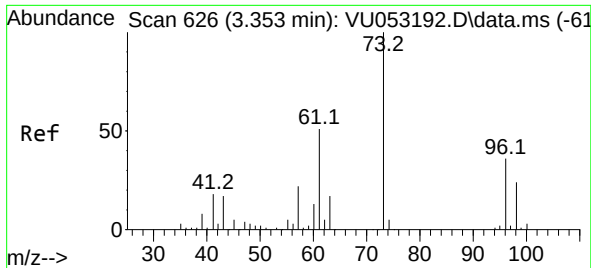
Tgt Ion: 43 Resp: 11344
Ion Ratio Lower Upper
43 100
74 25.7 21.4 32.0



#16
Methylene chloride
Concen: 10.698 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 84 Resp: 15820
Ion Ratio Lower Upper
84 100
86 65.8 44.4 82.4
49 119.3 81.6 151.6

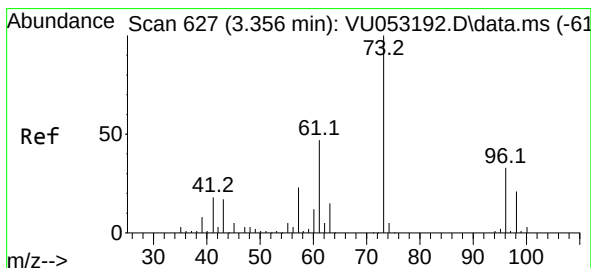
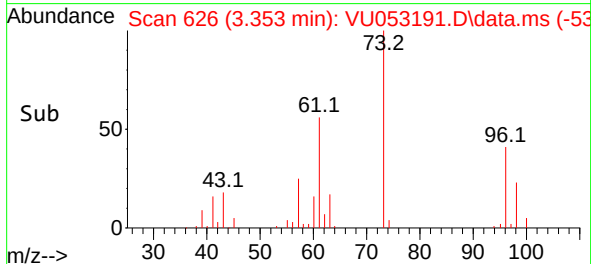
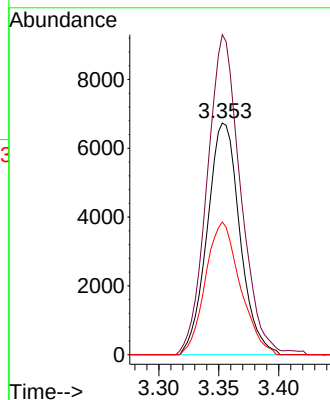
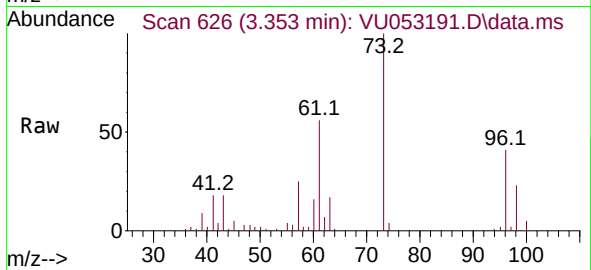




#17
trans-1,2-Dichloroethene
Concen: 9.808 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

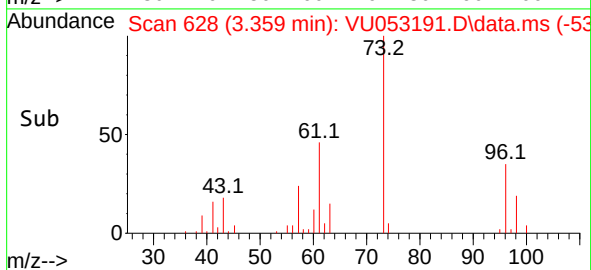
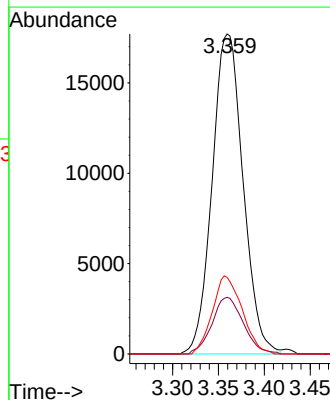
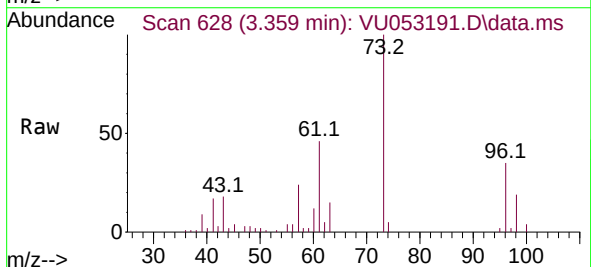
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

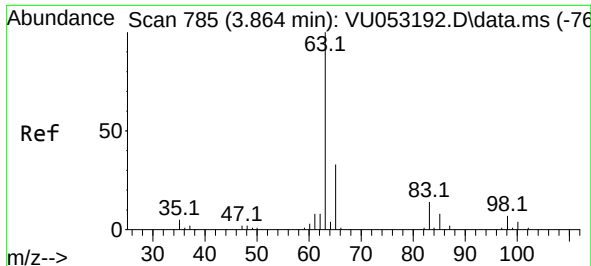
Tgt Ion: 96 Resp: 12756
Ion Ratio Lower Upper
96 100
61 138.1 99.6 185.0
98 57.2 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 9.509 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 73 Resp: 41482
Ion Ratio Lower Upper
73 100
43 18.0 14.2 21.2
57 23.5 18.0 27.0





#19

1,1-Dichloroethane

Concen: 10.104 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD010006

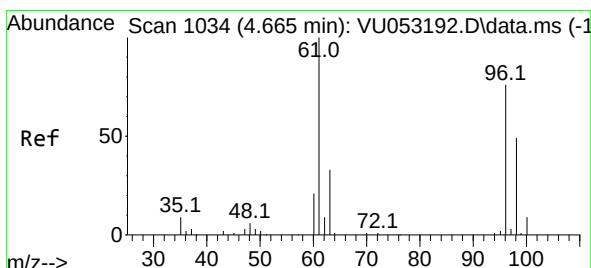
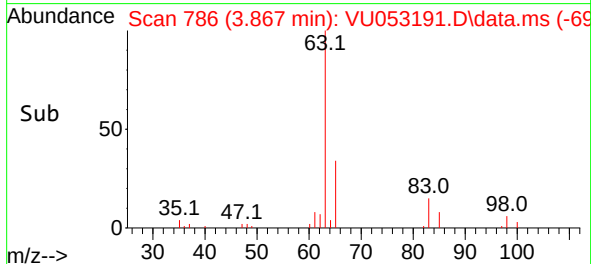
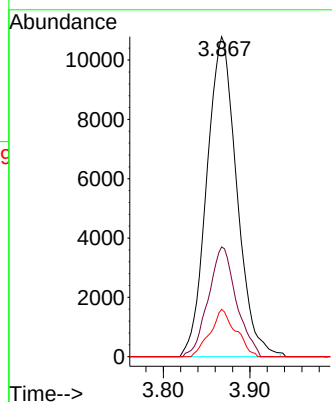
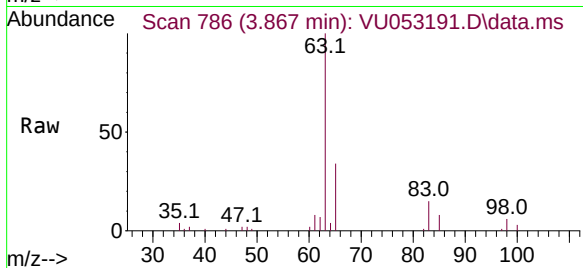
Tgt Ion: 63 Resp: 25923

Ion Ratio Lower Upper

63 100

65 34.3 22.8 42.4

83 14.8 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 9.685 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

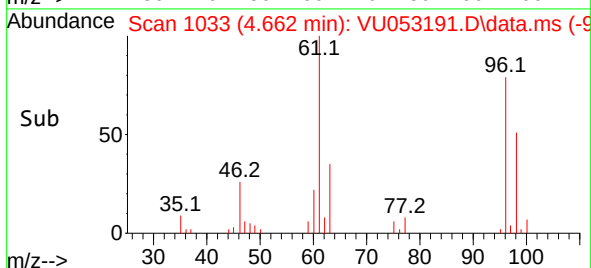
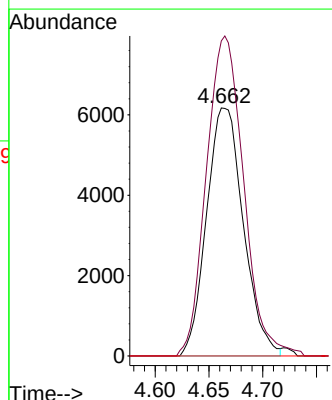
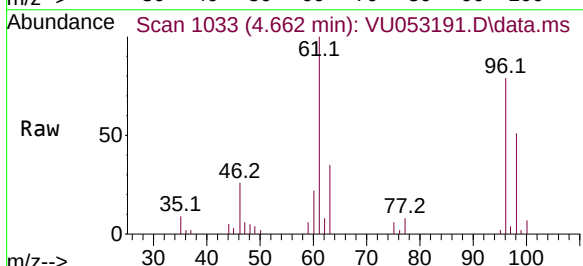
Tgt Ion: 96 Resp: 14706

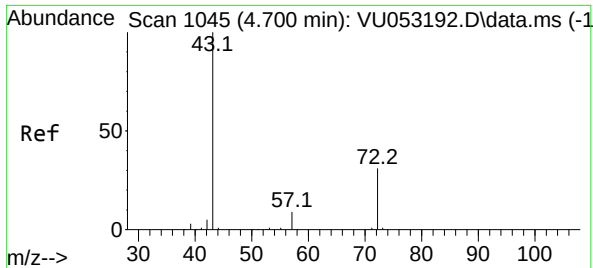
Ion Ratio Lower Upper

96 100

61 127.1 92.5 171.7

68 0.0 0.0 0.0

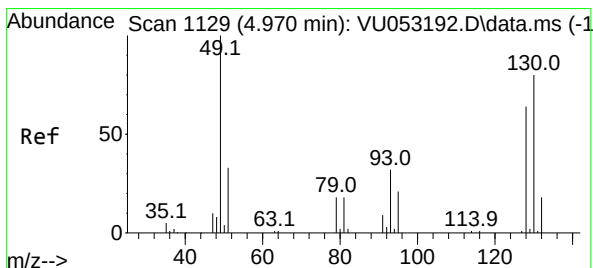
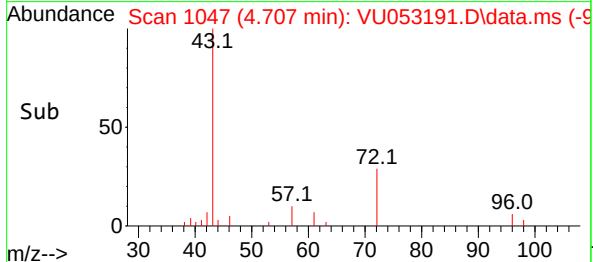
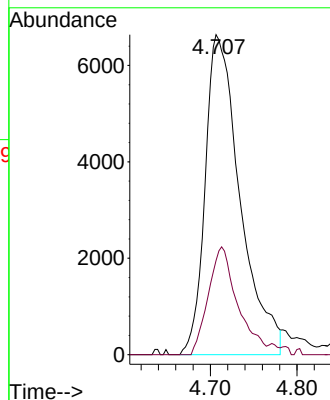
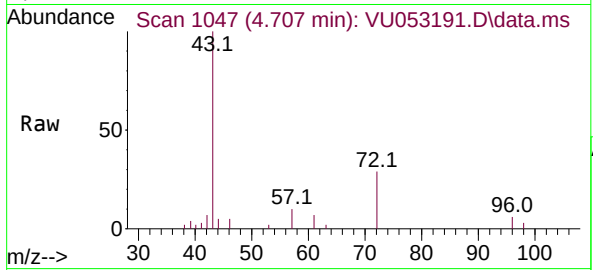




#22
2-Butanone
Concen: 22.084 ug/L
RT: 4.707 min Scan# 1045
Delta R.T. 0.007 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

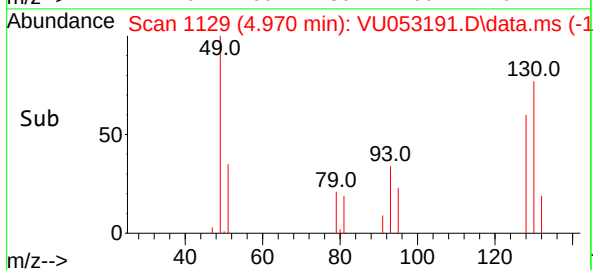
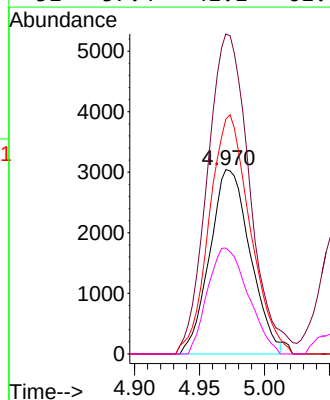
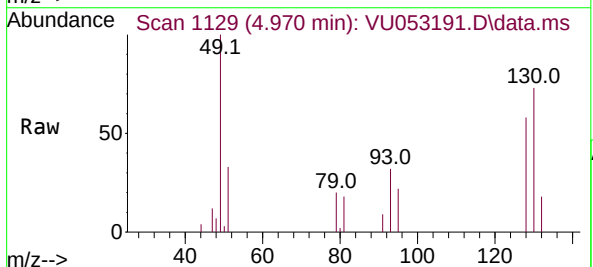
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

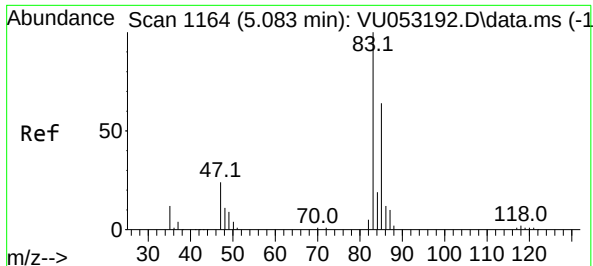
Tgt Ion: 43 Resp: 18590
Ion Ratio Lower Upper
43 100
72 28.2 16.0 47.9



#23
Bromochloromethane
Concen: 9.217 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:128 Resp: 6589
Ion Ratio Lower Upper
128 100
49 173.6 109.9 204.1
130 127.4 87.2 161.9
51 57.4 41.1 61.7





#25

Chloroform

Concen: 9.499 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

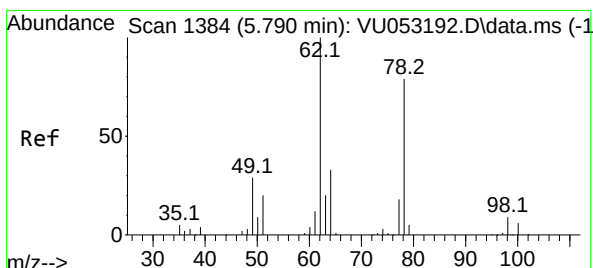
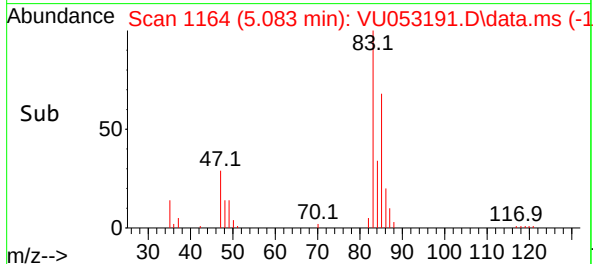
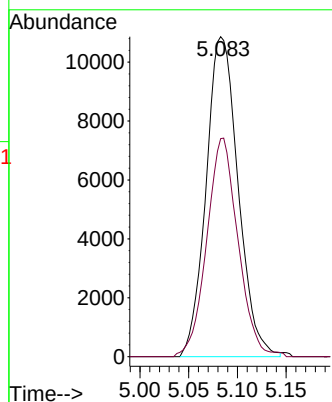
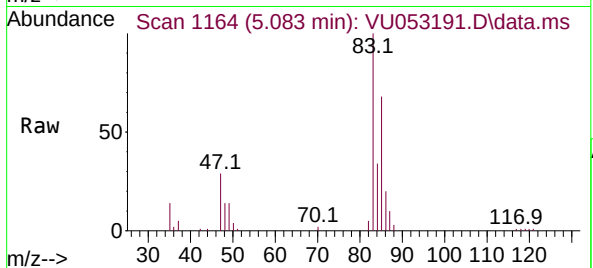
VSTD010006

Tgt Ion: 83 Resp: 24857

Ion Ratio Lower Upper

83 100

85 68.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 10.072 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053191.D

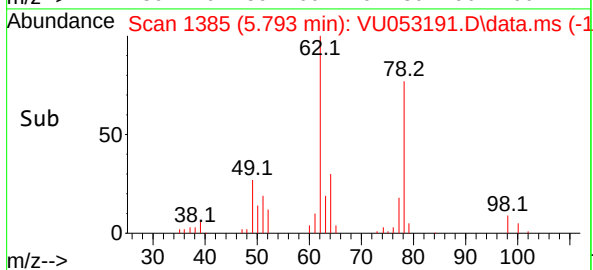
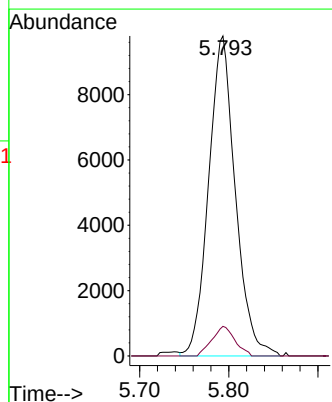
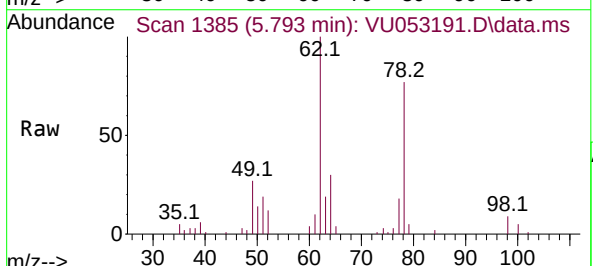
Acq: 15 Mar 2023 10:12

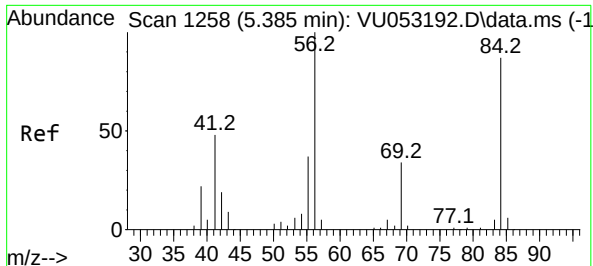
Tgt Ion: 62 Resp: 20431

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.6





#29

Cyclohexane

Concen: 9.902 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD010006

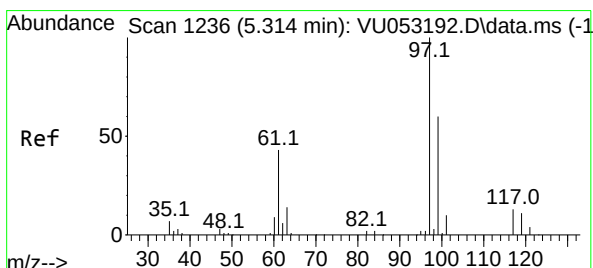
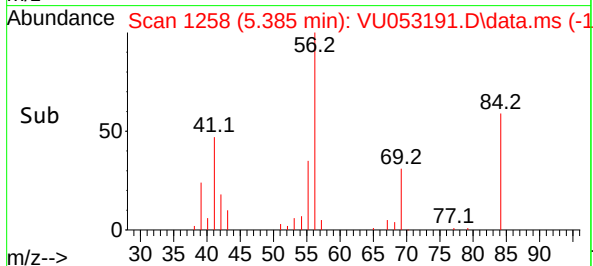
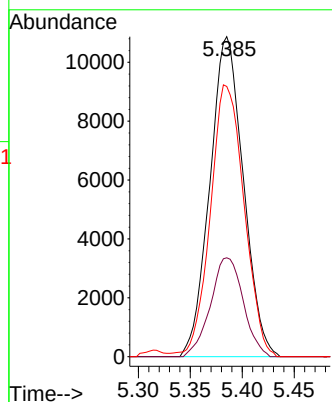
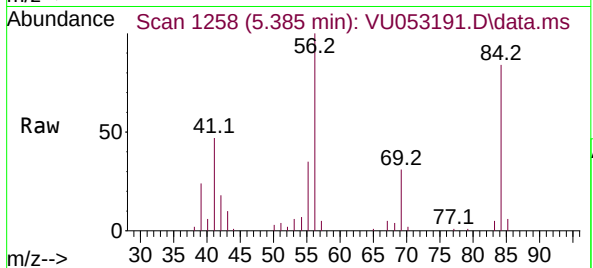
Tgt Ion: 56 Resp: 24412

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.0

84 85.5 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 9.448 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

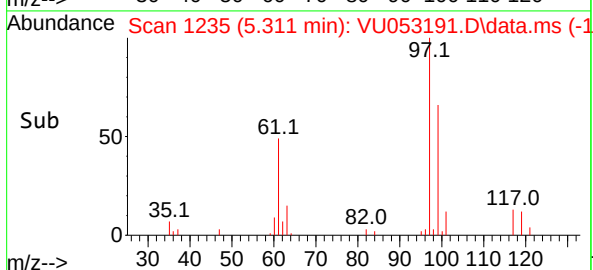
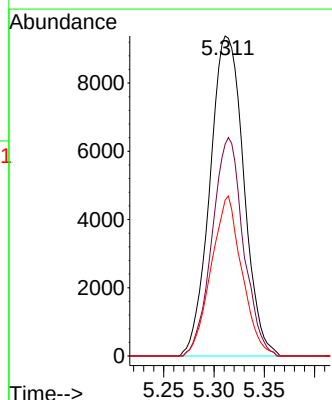
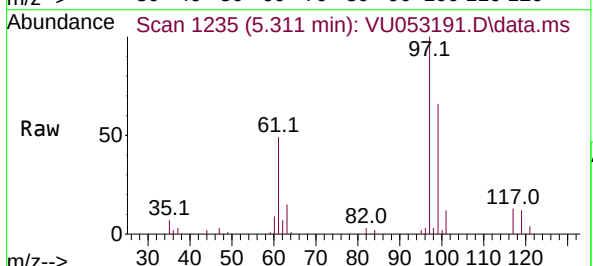
Tgt Ion: 97 Resp: 21889

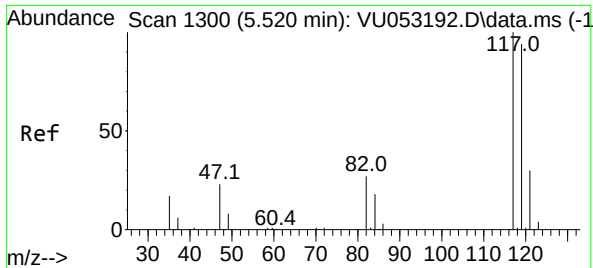
Ion Ratio Lower Upper

97 100

99 63.2 50.6 76.0

61 45.6 36.0 54.0

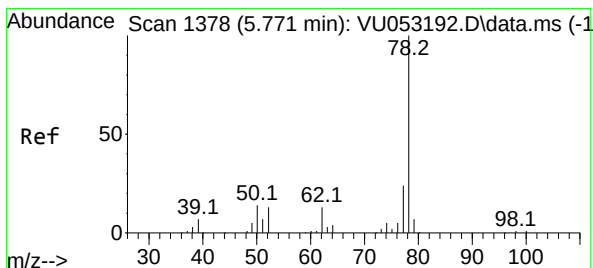
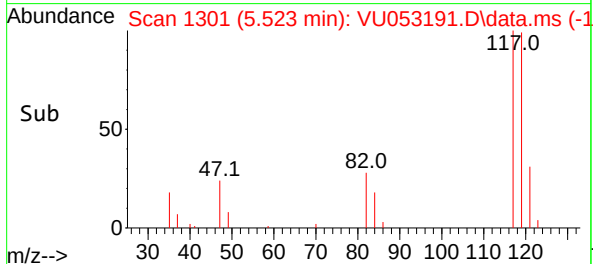
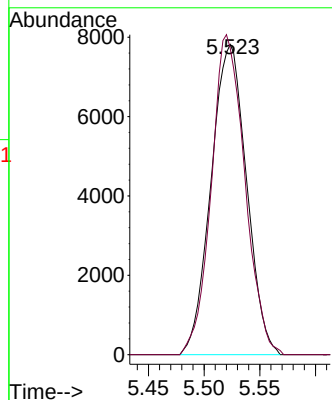
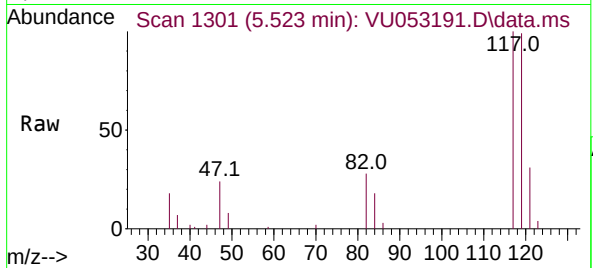




#31
Carbon tetrachloride
Concen: 8.837 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

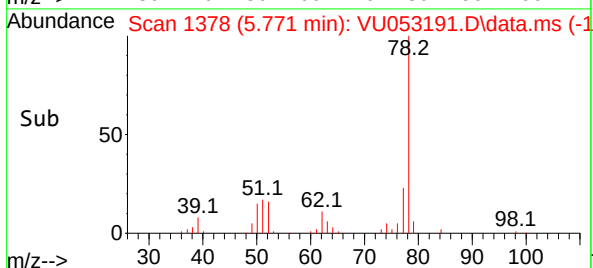
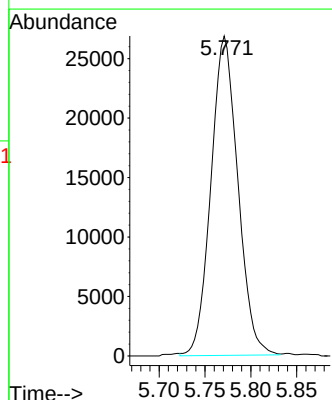
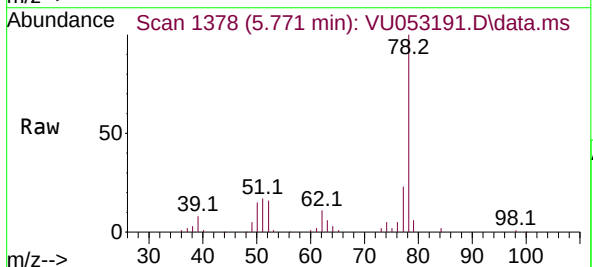
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

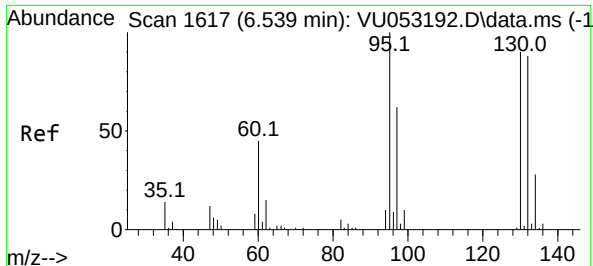
Tgt Ion:117 Resp: 17314
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.2



#33
Benzene
Concen: 9.365 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 78 Resp: 54854



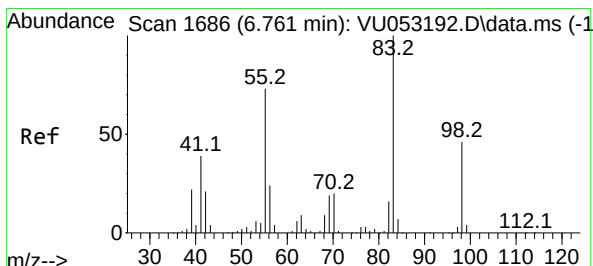
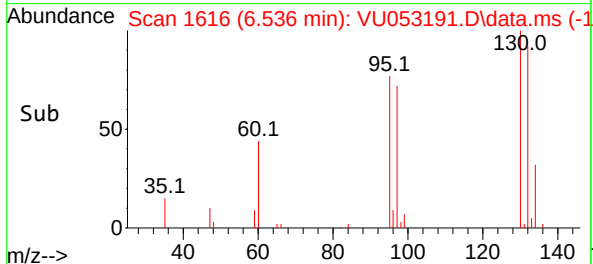
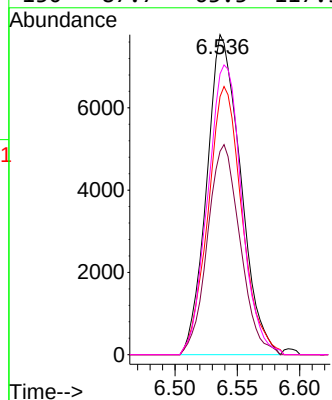
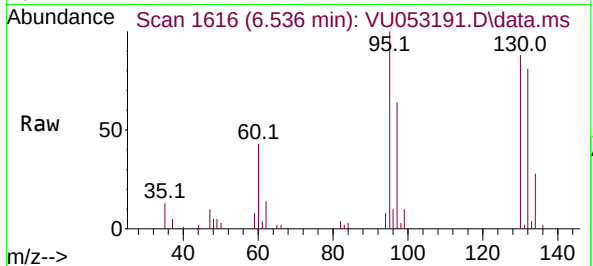


#34
Trichloroethene
Concen: 9.632 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

Tgt Ion: 95 Resp: 14685

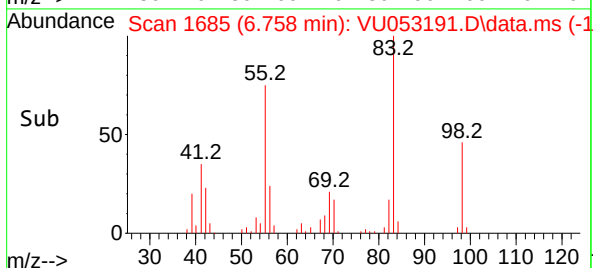
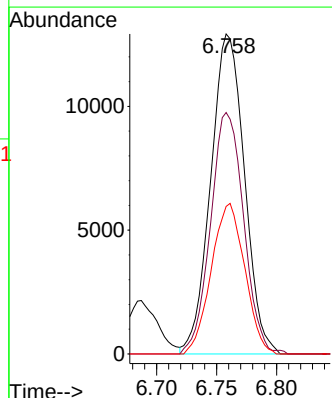
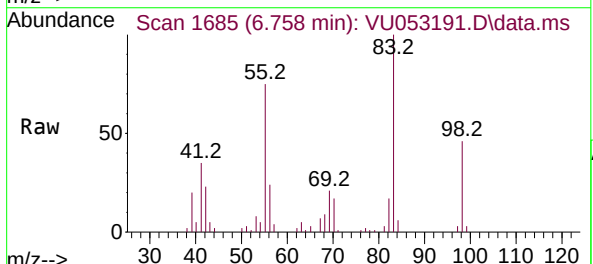
Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.8	81.3
132	80.7	61.5	114.3
130	87.7	63.3	117.5

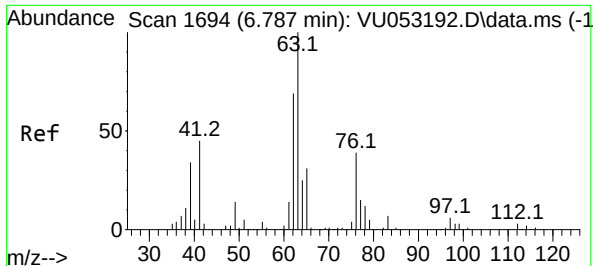


#35
Methylcyclohexane
Concen: 9.594 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 83 Resp: 25312

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.2	87.4
98	46.6	35.4	53.2





#37

1,2-Dichloropropane

Concen: 9.370 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

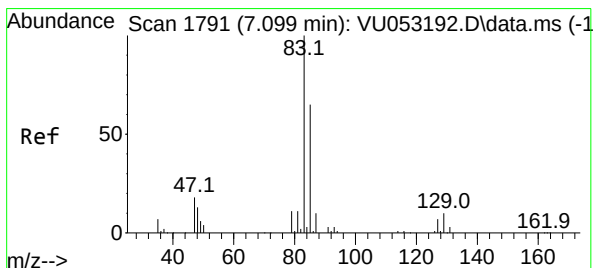
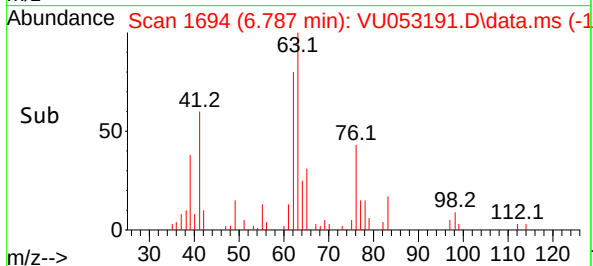
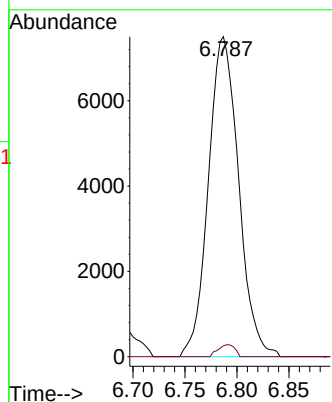
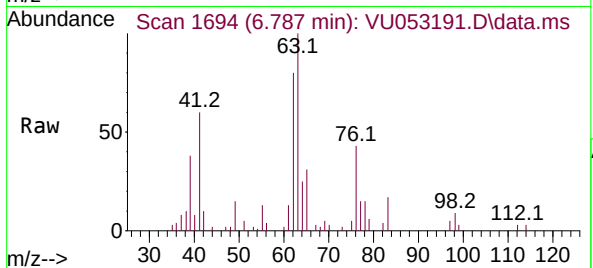
VSTD010006

Tgt Ion: 63 Resp: 15193

Ion Ratio Lower Upper

63 100

112 2.1 2.6 3.8#



#38

Bromodichloromethane

Concen: 9.399 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

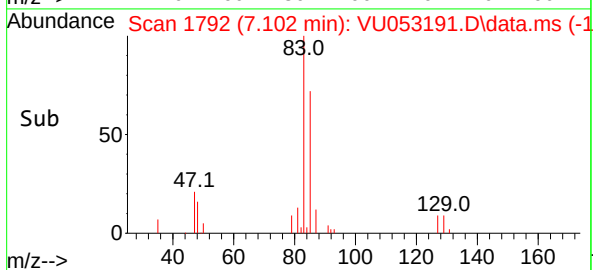
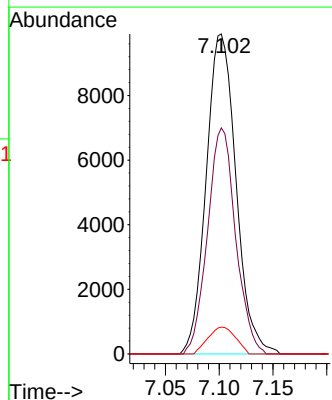
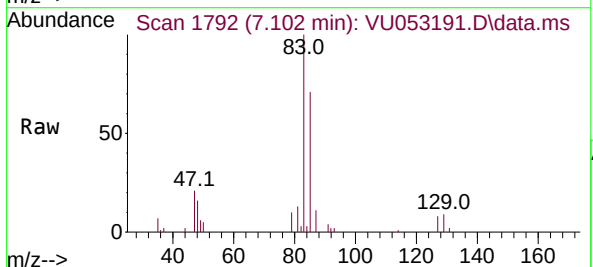
Tgt Ion: 83 Resp: 19118

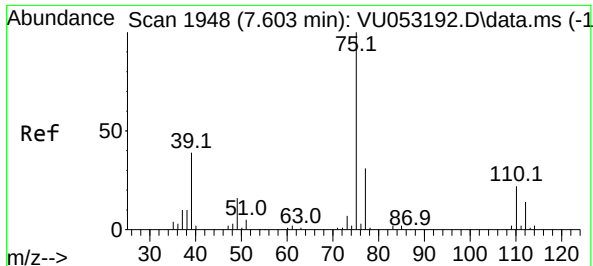
Ion Ratio Lower Upper

83 100

85 70.7 45.4 84.2

127 8.4 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 9.349 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

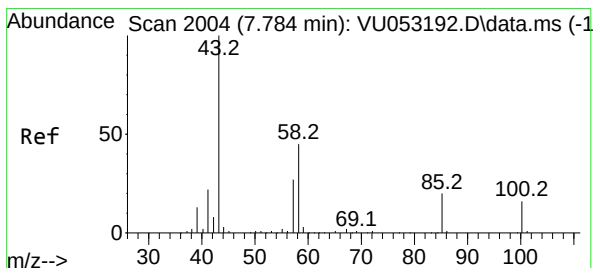
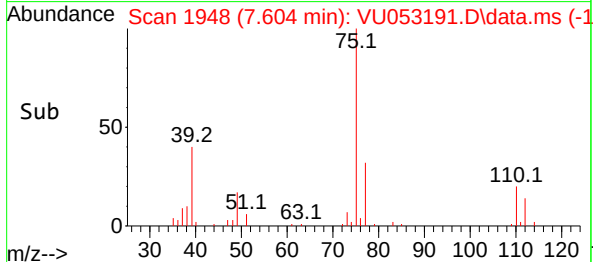
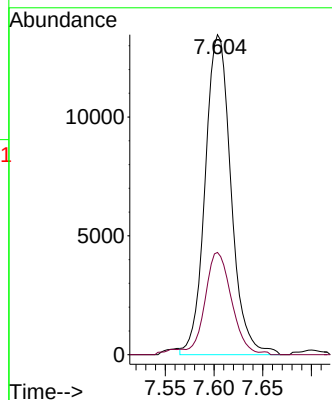
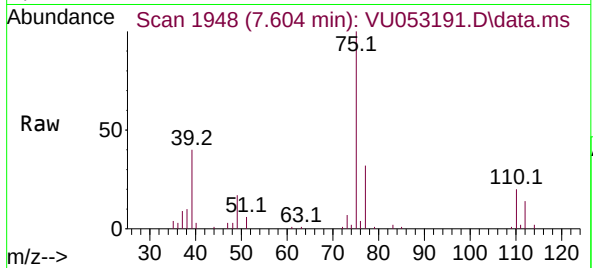
VSTD010006

Tgt Ion: 75 Resp: 24897

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 18.883 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

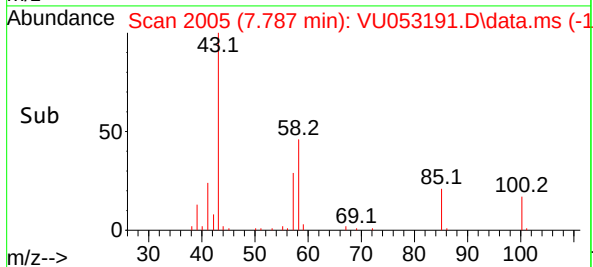
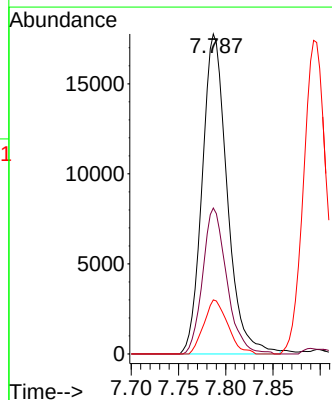
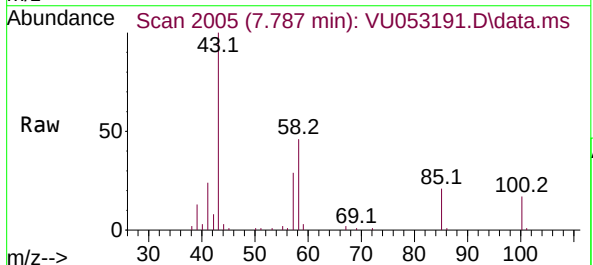
Tgt Ion: 43 Resp: 32644

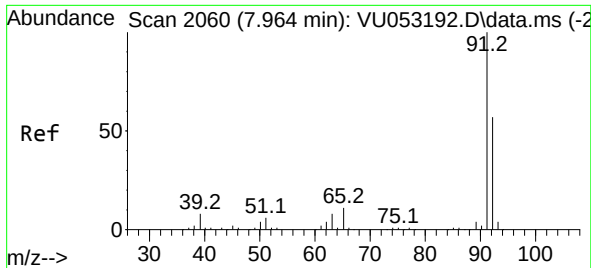
Ion Ratio Lower Upper

43 100

58 43.8 35.8 53.6

100 16.1 13.0 19.6





#42

Toluene

Concen: 9.299 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

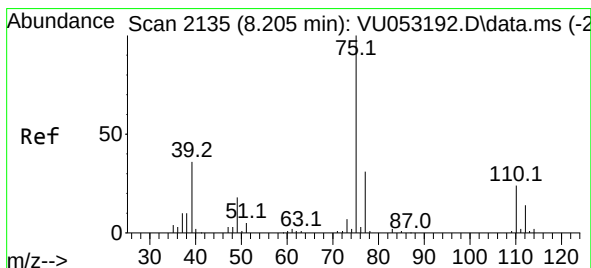
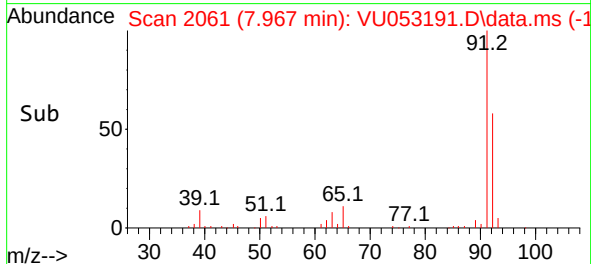
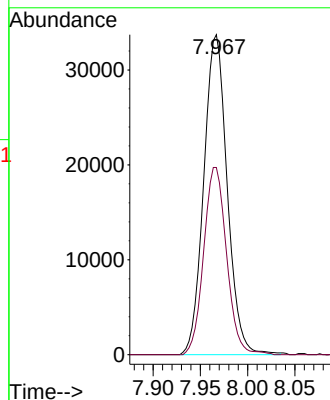
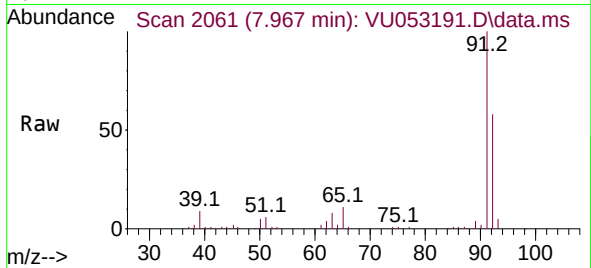
VSTD010006

Tgt Ion: 91 Resp: 58240

Ion Ratio Lower Upper

91 100

92 58.5 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 9.258 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053191.D

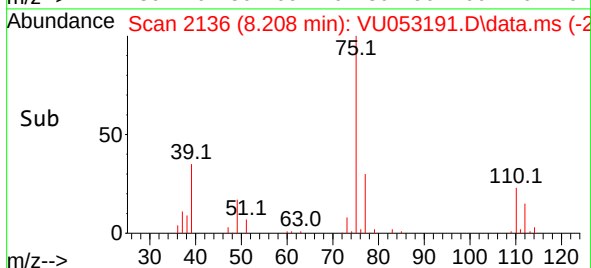
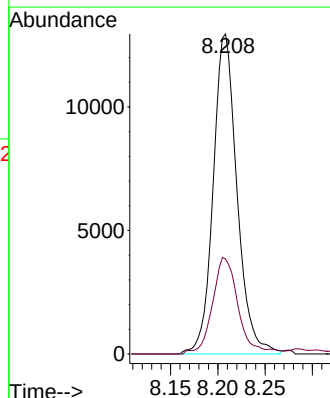
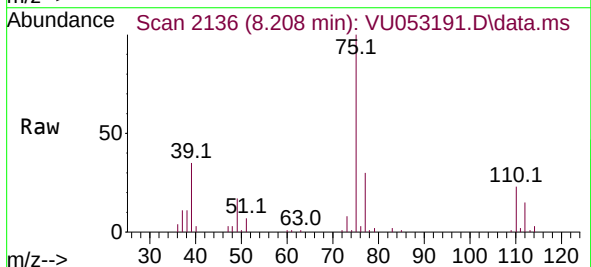
Acq: 15 Mar 2023 10:12

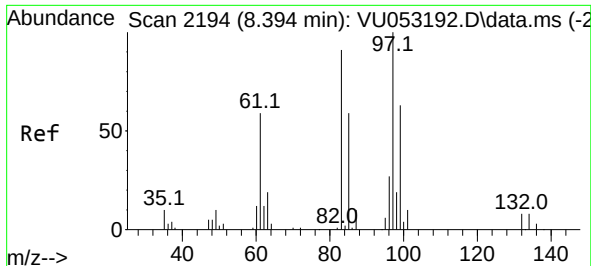
Tgt Ion: 75 Resp: 22739

Ion Ratio Lower Upper

75 100

77 29.7 22.0 40.8

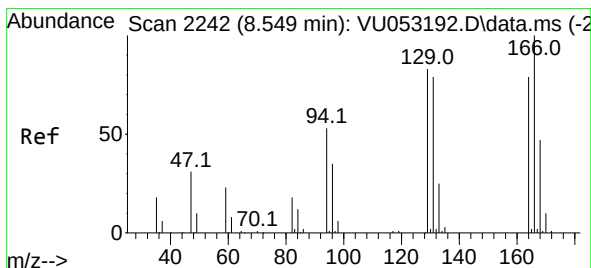
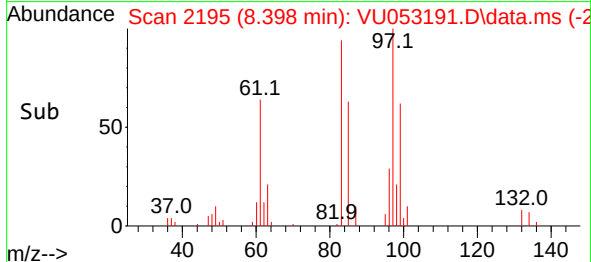
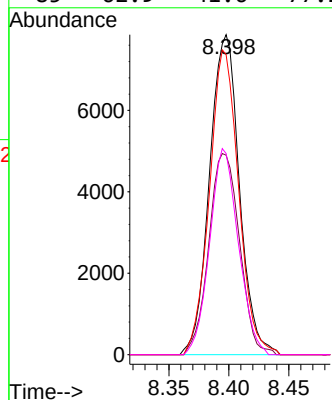
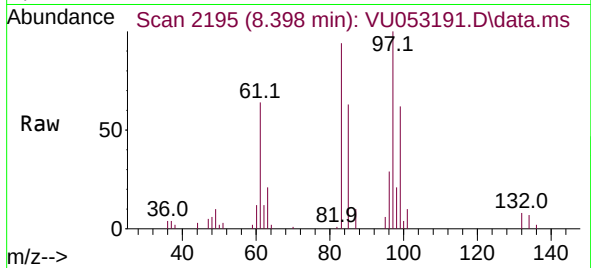




#45
1,1,2-Trichloroethane
Concen: 9.289 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

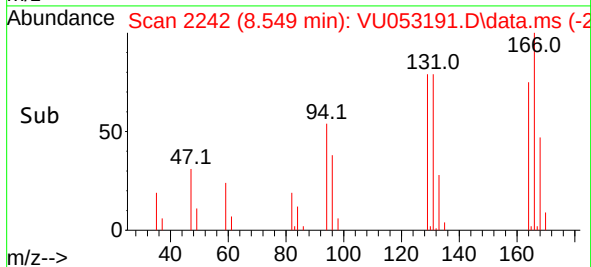
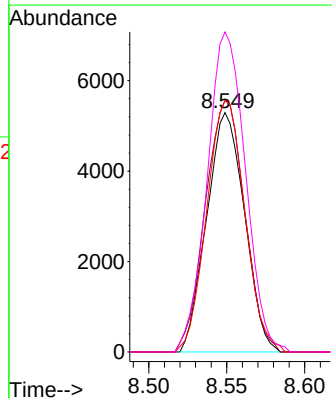
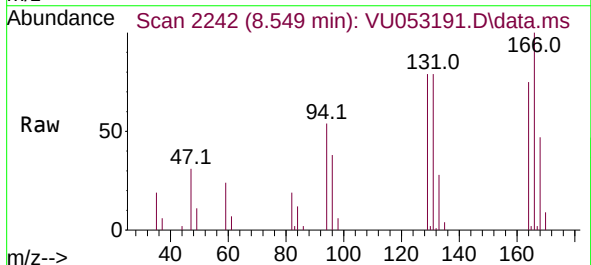
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

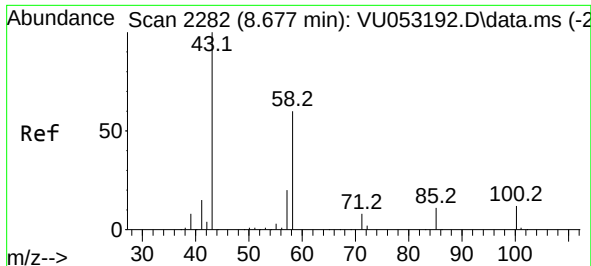
Tgt Ion: 97	Resp: 13618
Ion Ratio	Lower Upper
97 100	
99 62.4	44.4 82.4
83 93.8	63.8 118.6
85 62.9	41.6 77.2



#46
Tetrachloroethene
Concen: 8.929 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt	Ion:164	Resp:	8967
Ion	Ratio	Lower	Upper
164	100		
129	105.1	73.6	136.8
131	105.1	70.3	130.7
166	133.7	88.9	165.1

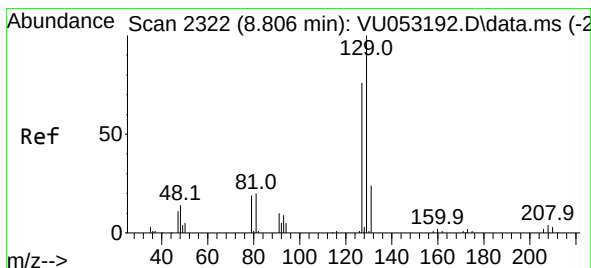
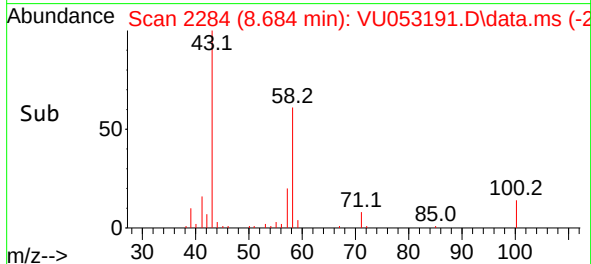
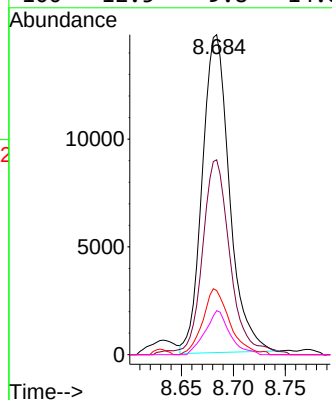
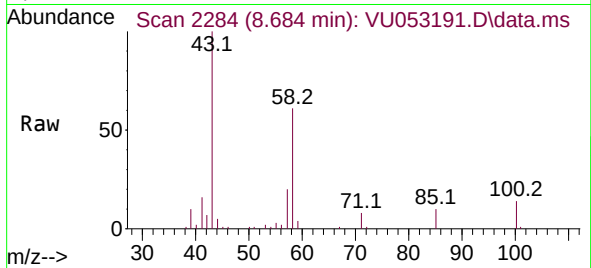




#48
2-Hexanone
Concen: 19.401 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

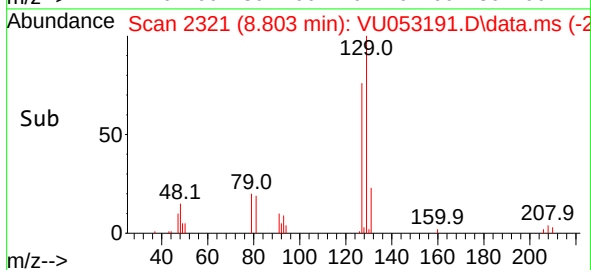
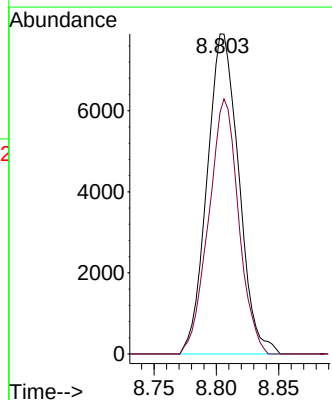
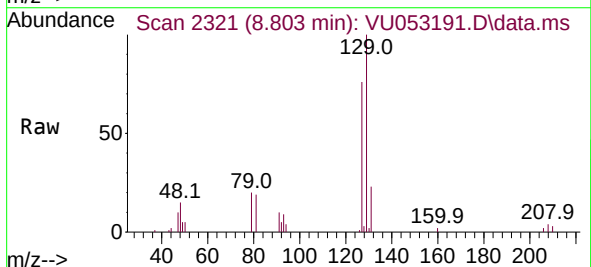
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

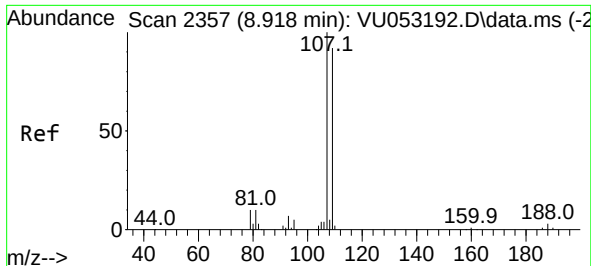
Tgt Ion: 43	Resp: 26874
Ion Ratio	Lower Upper
43 100	
58 62.2	49.4 74.0
57 20.4	16.9 25.3
100 12.5	9.8 14.8



#49
Dibromochloromethane
Concen: 9.209 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:129	Resp:	13981	
Ion	Ratio	Lower	Upper
129	100		
127	75.6	53.1	98.5





#50

1,2-Dibromoethane

Concen: 9.179 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD010006

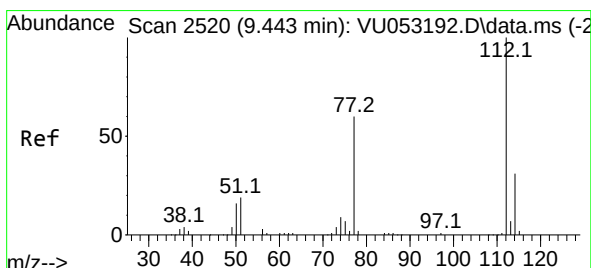
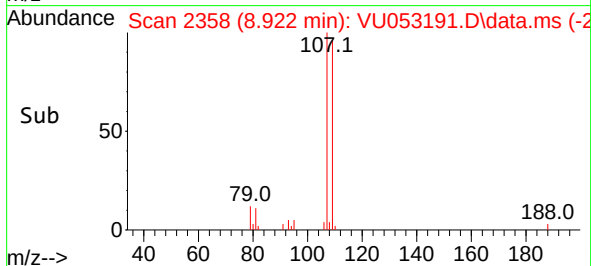
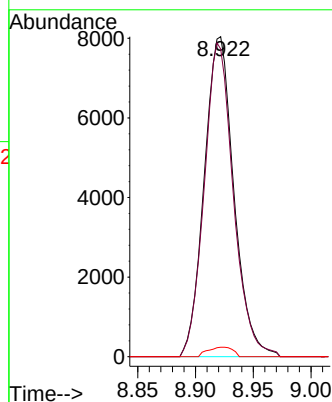
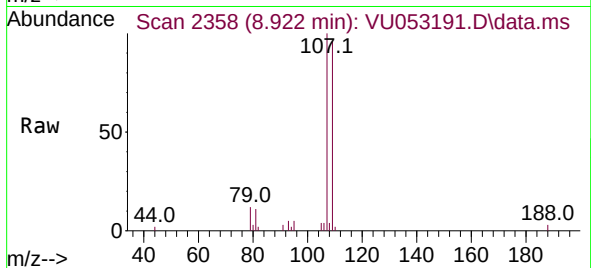
Tgt Ion:107 Resp: 14365

Ion Ratio Lower Upper

107 100

109 96.1 64.6 120.0

188 2.9 2.2 3.4



#51

Chlorobenzene

Concen: 9.624 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

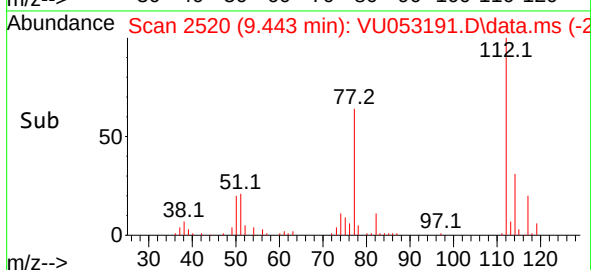
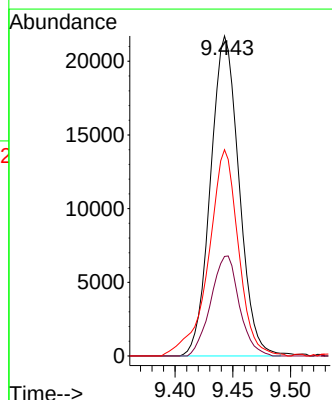
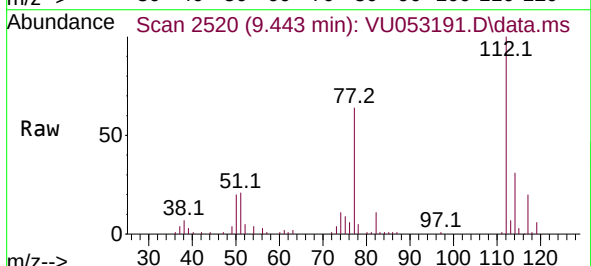
Tgt Ion:112 Resp: 37308

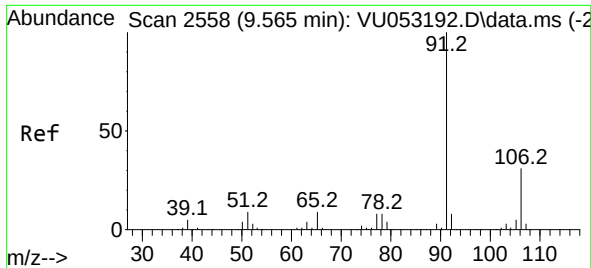
Ion Ratio Lower Upper

112 100

114 31.1 21.8 40.6

77 64.4 48.8 73.2

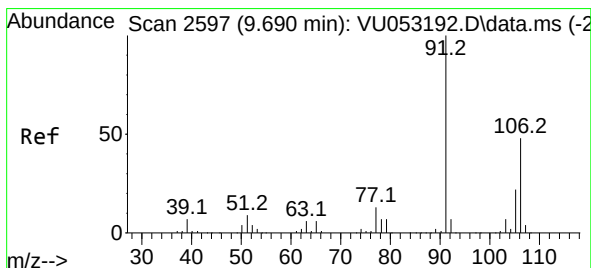
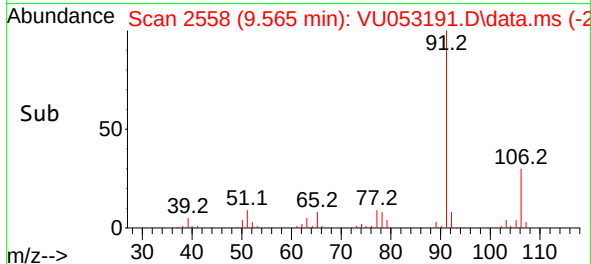
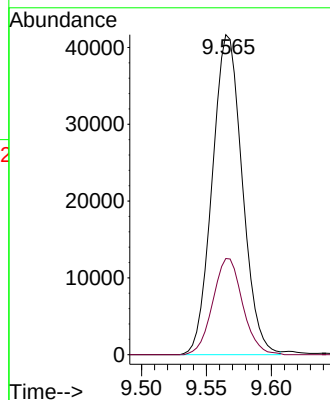
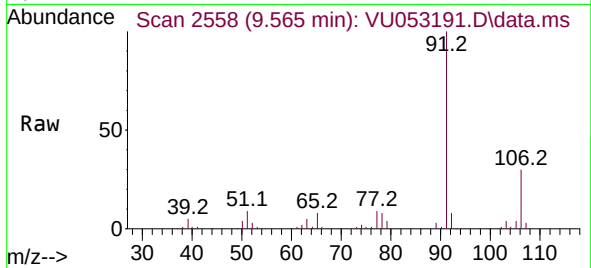




#52
Ethylbenzene
Concen: 9.570 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

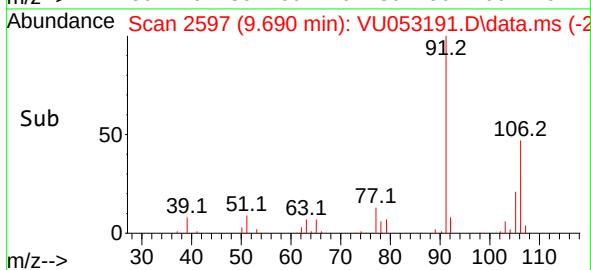
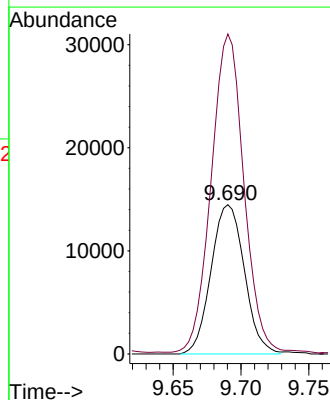
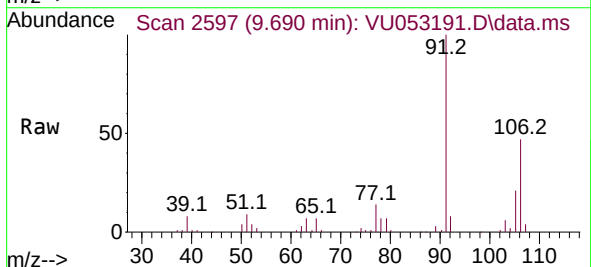
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

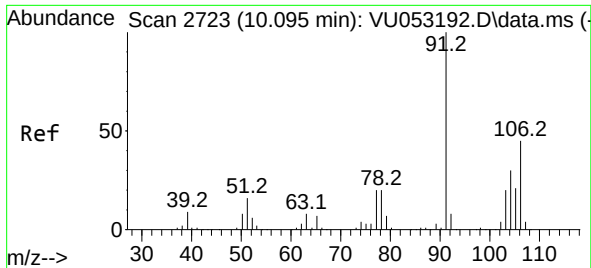
Tgt Ion: 91 Resp: 66817
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.0



#53
m,p-Xylene
Concen: 9.461 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion: 106 Resp: 24773
Ion Ratio Lower Upper
106 100
91 214.3 145.3 269.8

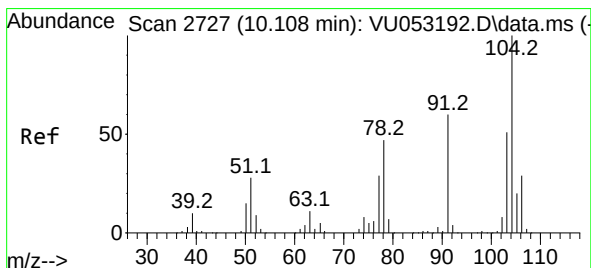
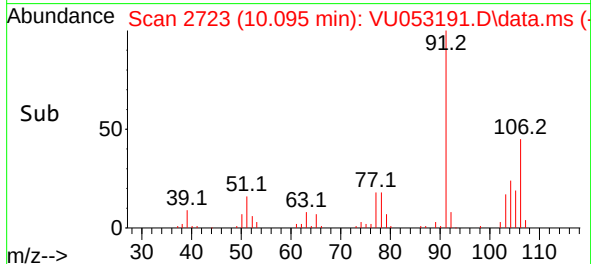
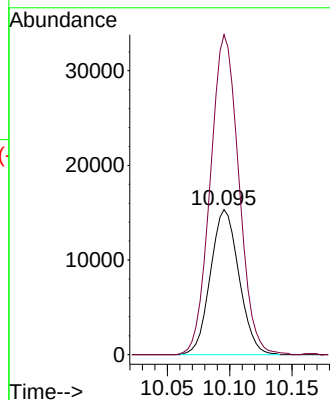
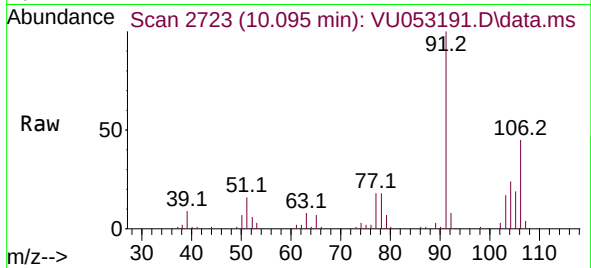




#54
o-Xylene
Concen: 9.403 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

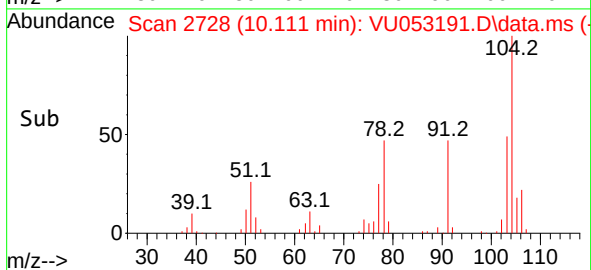
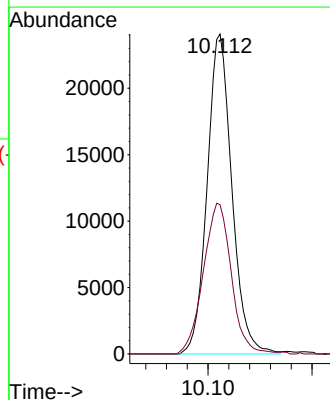
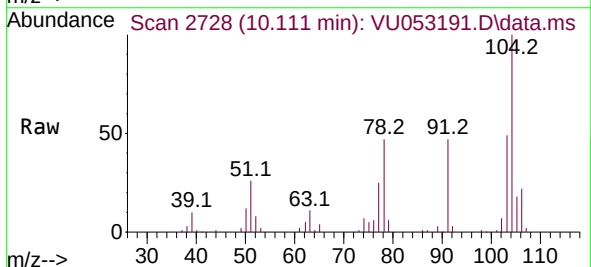
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

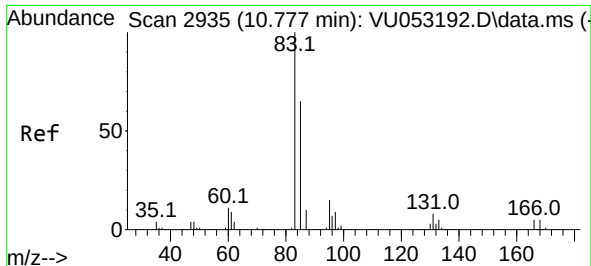
Tgt Ion:106 Resp: 24469
Ion Ratio Lower Upper
106 100
91 220.5 154.9 287.7



#55
Styrene
Concen: 9.198 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:104 Resp: 39776
Ion Ratio Lower Upper
104 100
78 46.7 32.9 61.1

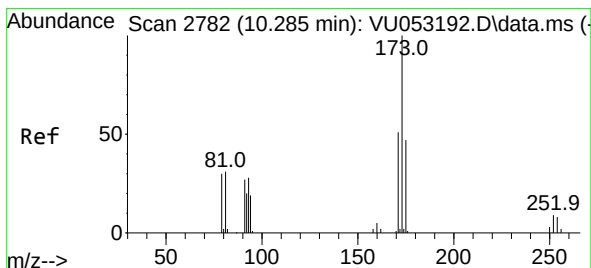
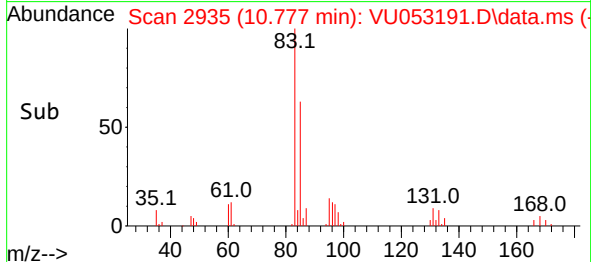
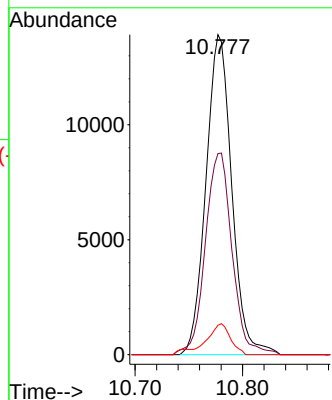
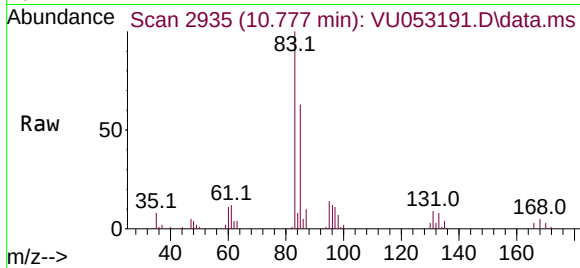




#57
 1,1,2-Tetrachloroethane
 Concen: 9.690 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053191.D
 Acq: 15 Mar 2023 10:12

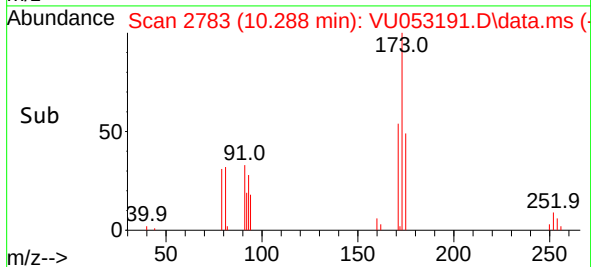
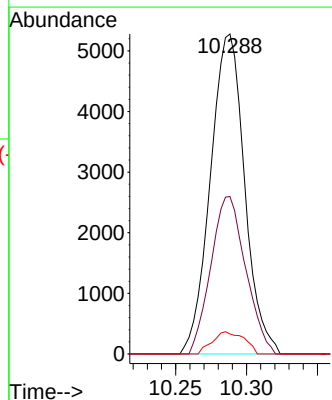
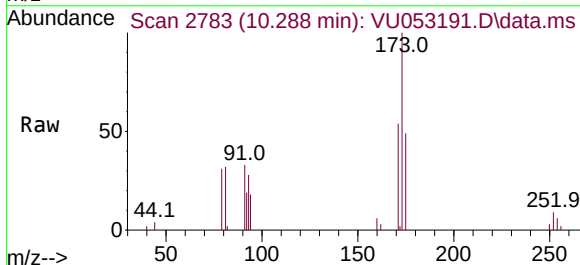
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010006

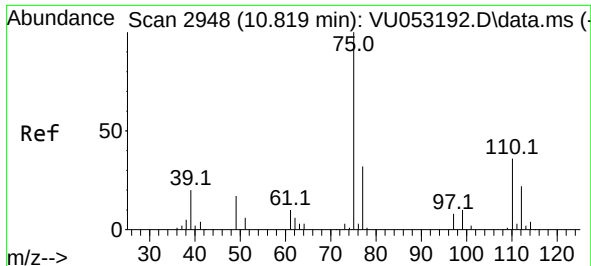
Tgt Ion: 83 Resp: 23218
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.0 85.4
 131 9.2 6.6 10.0



#59
 Bromoform
 Concen: 8.487 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053191.D
 Acq: 15 Mar 2023 10:12

Tgt Ion: 173 Resp: 8868
 Ion Ratio Lower Upper
 173 100
 175 50.0 38.5 57.7
 254 6.4 6.5 9.7#

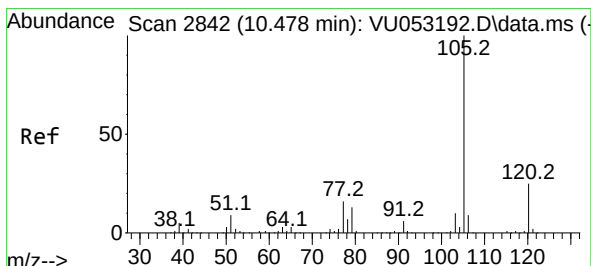
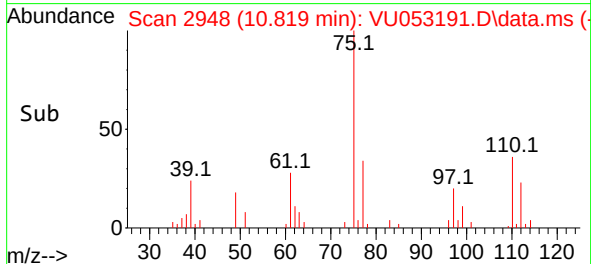
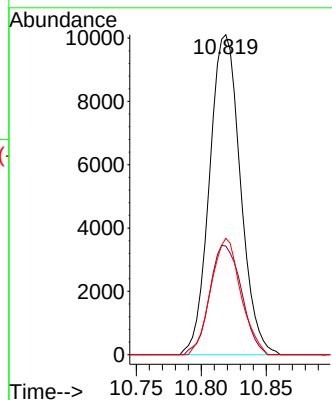
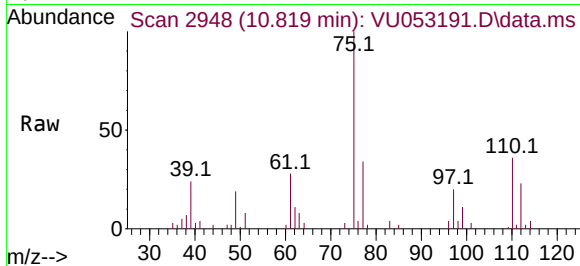




#60
1,2,3-Trichloropropane
Concen: 9.359 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

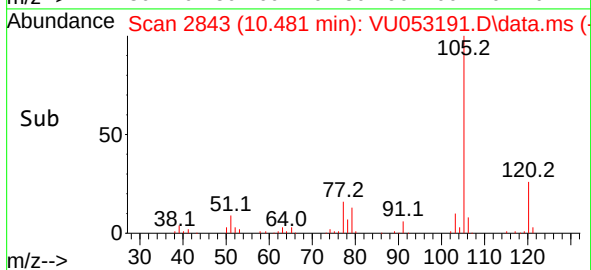
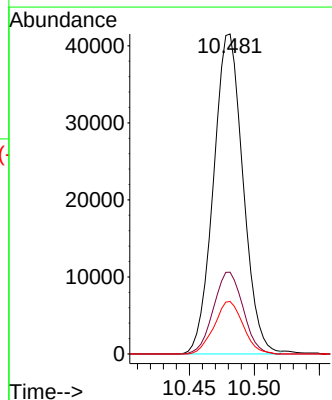
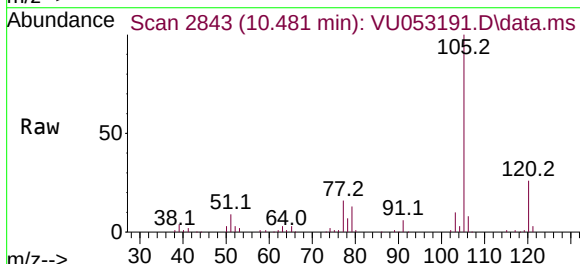
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

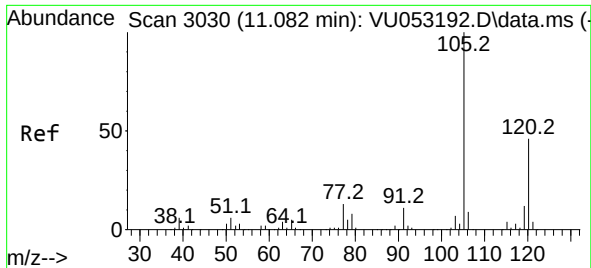
Tgt Ion:	75	Resp:	16703
Ion	Ratio	Lower	Upper
75	100		
77	35.2	26.6	40.0
110	35.2	28.6	42.8



#61
Isopropylbenzene
Concen: 9.592 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:	105	Resp:	65600
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.4	30.6
77	16.1	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 9.420 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

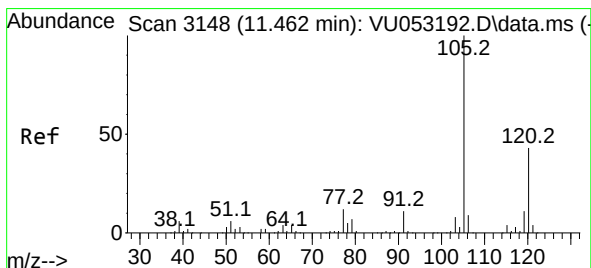
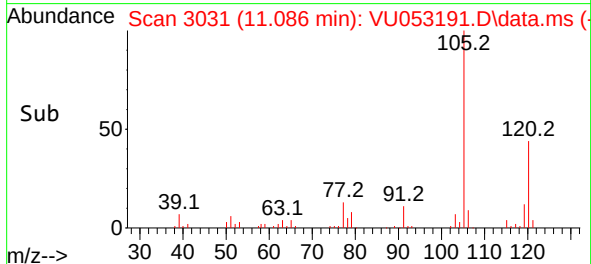
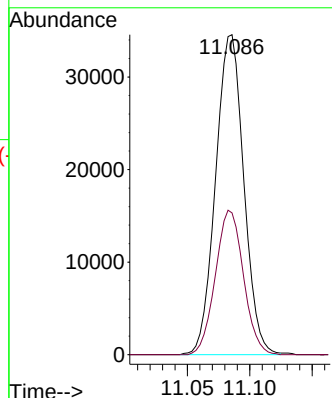
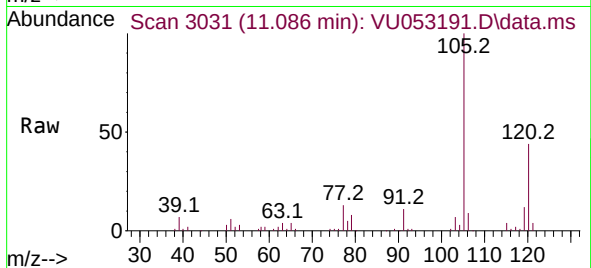
VSTD010006

Tgt Ion:105 Resp: 54438

Ion Ratio Lower Upper

105 100

120 44.9 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 9.354 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU053191.D

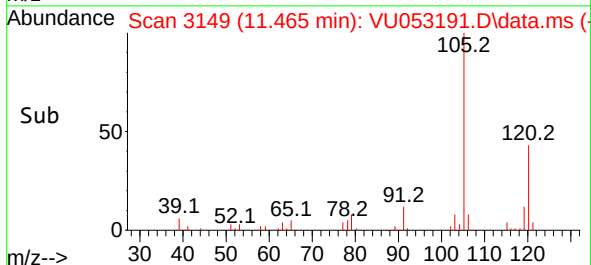
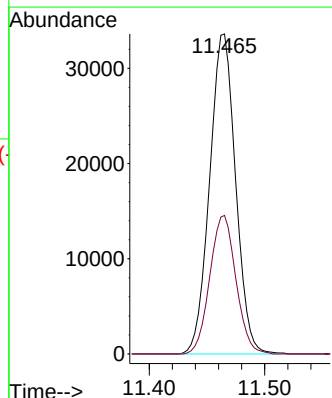
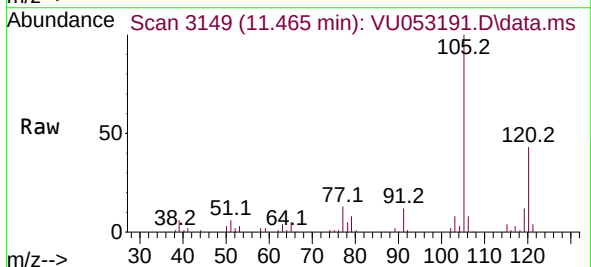
Acq: 15 Mar 2023 10:12

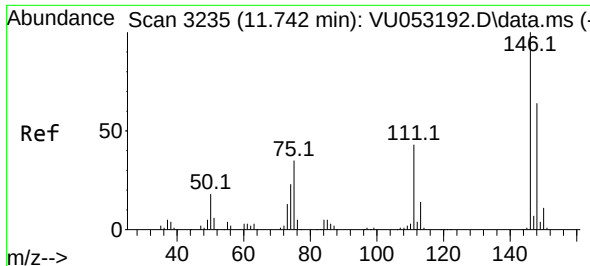
Tgt Ion:105 Resp: 52506

Ion Ratio Lower Upper

105 100

120 43.5 34.6 52.0

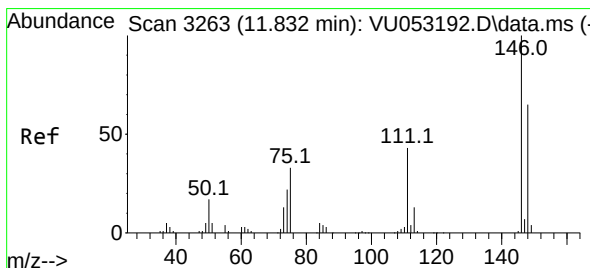
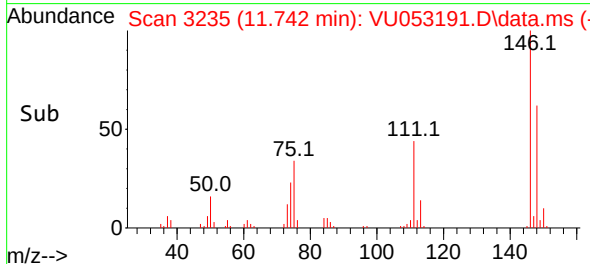
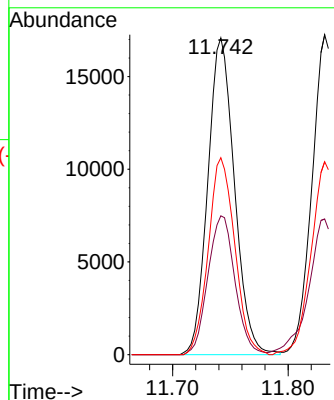
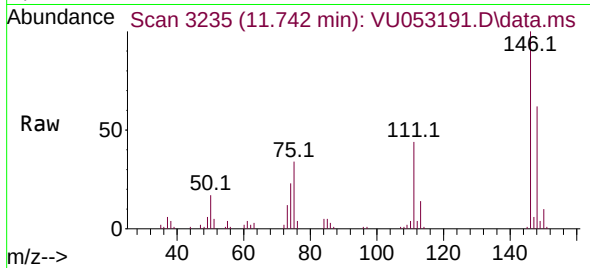




#64
1,3-Dichlorobenzene
Concen: 9.705 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

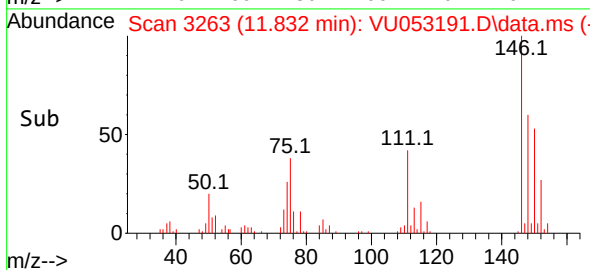
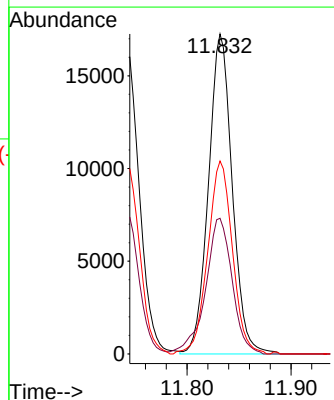
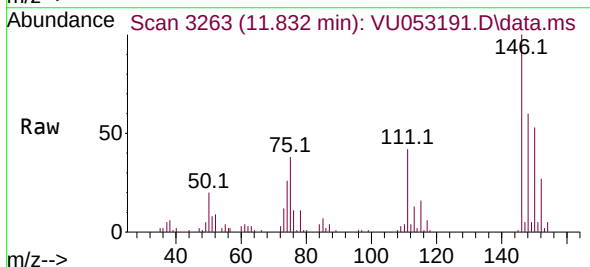
Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

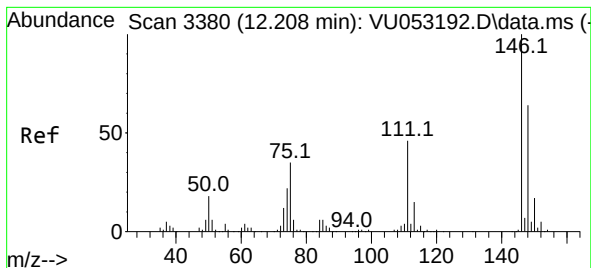
Tgt Ion:146 Resp: 27411
Ion Ratio Lower Upper
146 100
111 43.8 30.2 56.0
148 62.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 9.586 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:146 Resp: 27430
Ion Ratio Lower Upper
146 100
111 42.4 30.7 57.1
148 60.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 9.568 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD010006

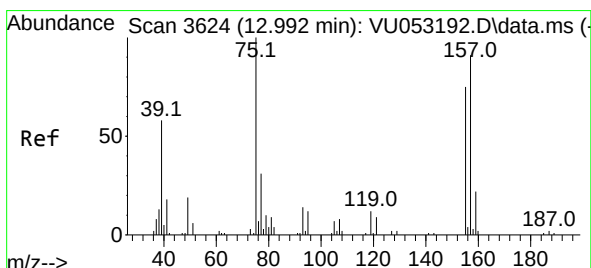
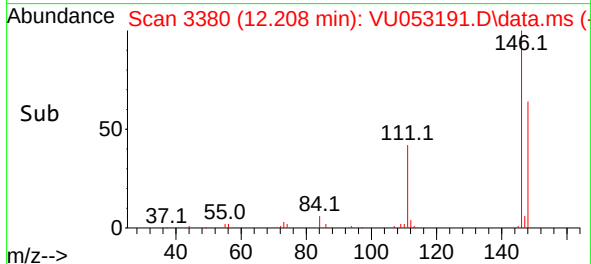
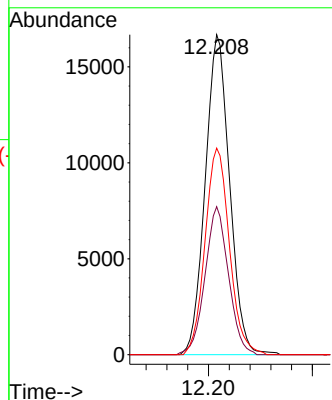
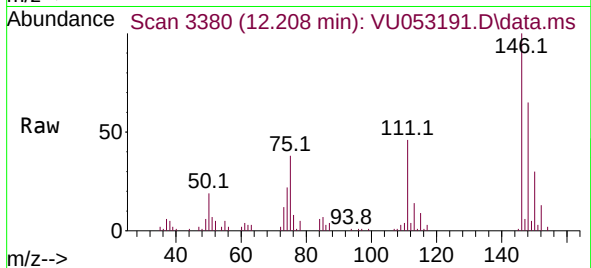
Tgt Ion:146 Resp: 27169

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

148 64.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 8.486 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053191.D

Acq: 15 Mar 2023 10:12

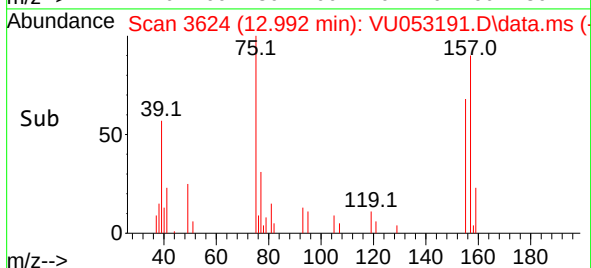
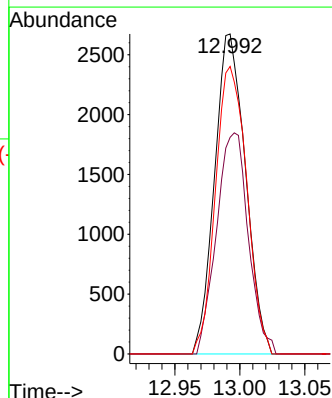
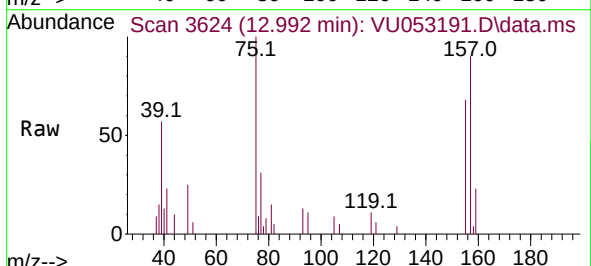
Tgt Ion: 75 Resp: 4417

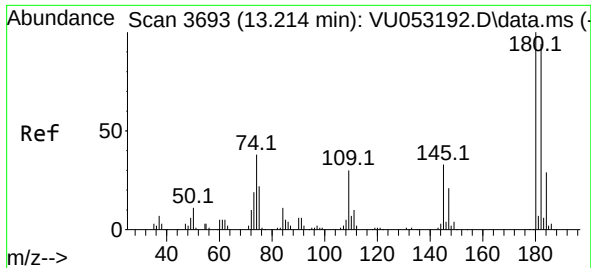
Ion Ratio Lower Upper

75 100

155 67.7 60.2 90.4

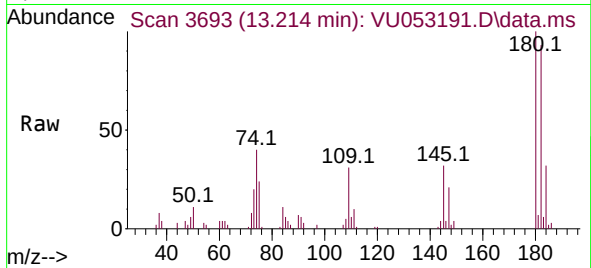
157 89.9 73.0 109.4



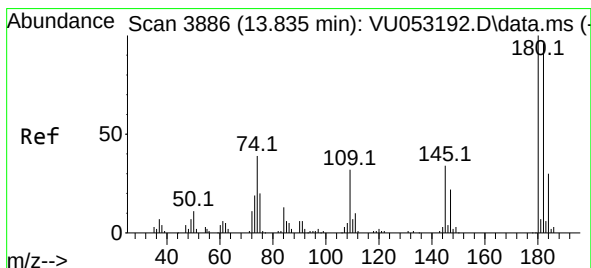
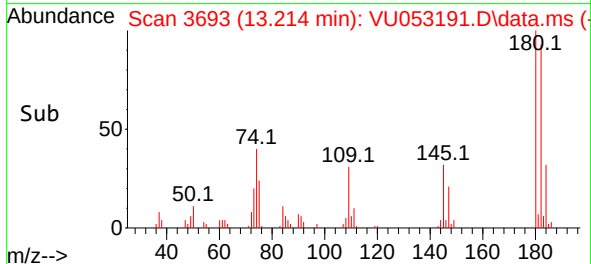
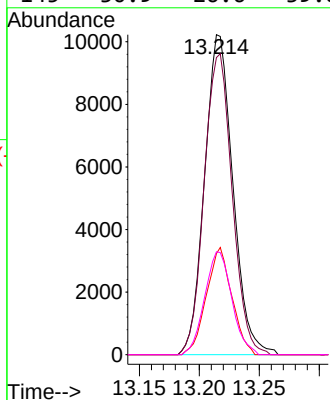


#69
1,3,5-Trichlorobenzene
Concen: 8.800 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

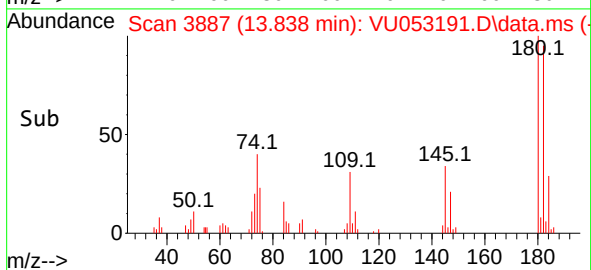
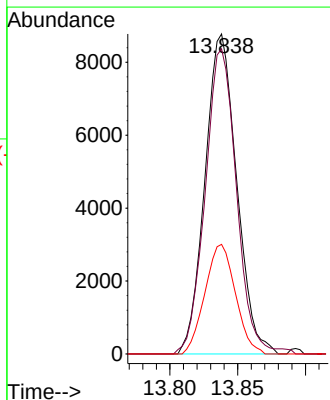
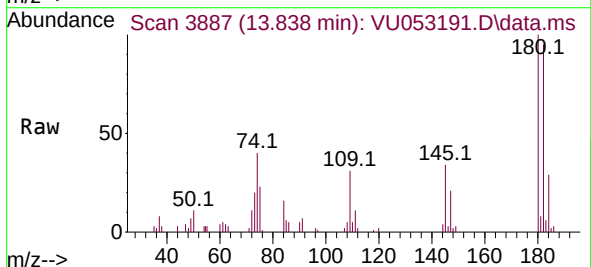


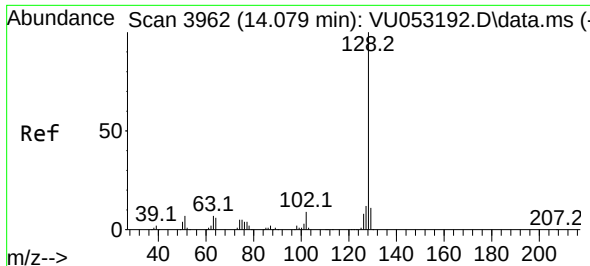
Tgt Ion:	180	Resp:	16800
Ion Ratio	Lower	Upper	
180	100		
182	93.0	74.5	111.7
184	30.1	23.2	34.8
145	30.9	26.6	39.8



#70
1,2,4-trichlorobenzene
Concen: 7.924 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:	180	Resp:	14268
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.8	113.8
145	32.9	27.2	40.8

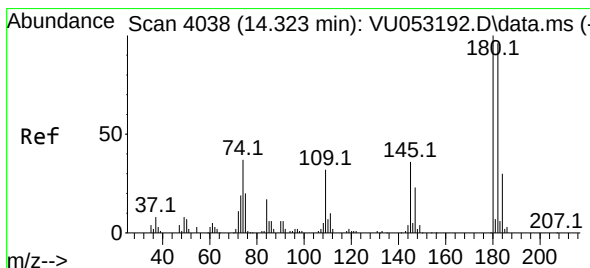
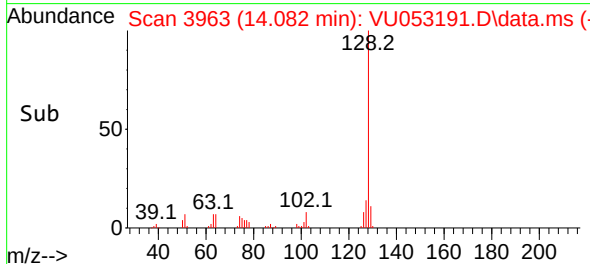
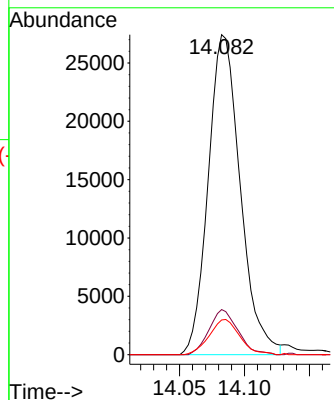
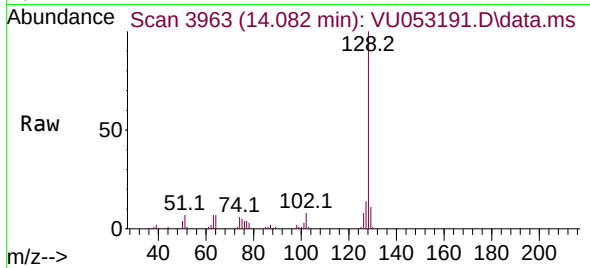




#71
Naphthalene
Concen: 6.853 ug/L
RT: 14.082 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD010006

Tgt Ion:128 Resp: 47060
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 7.453 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053191.D
Acq: 15 Mar 2023 10:12

Tgt Ion:180 Resp: 13364
Ion Ratio Lower Upper
180 100
182 95.7 76.7 115.1
145 37.9 28.6 42.8

