

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054156.D
 Acq On : 18 May 2023 09:42
 Operator : JC/MD
 Sample : VSTD0.525
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5025

Quant Time: May 19 01:40:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:39:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	190074	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	177136	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	88003	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	5333	0.477	ug/L	0.00
7) Chloroethane-d5	1.916	69	3779	0.405	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	2340	0.494	ug/L	0.00
20) 2-Butanone-d5	4.658	46	6691	3.236	ug/L	0.02
24) Chloroform-d	5.060	84	9857	0.463	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	4621	0.471	ug/L	0.00
32) Benzene-d6	5.723	84	18197	0.451	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	5082	0.417	ug/L	0.00
41) Toluene-d8	7.896	98	17253	0.456	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	1912	0.393	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	5289	3.188	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	3753	0.383	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	5845	0.425	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6451	0.458	ug/L	95
3) Chloromethane	1.520	50	6546	0.482	ug/L	99
5) Vinyl chloride	1.604	62	6160	0.399	ug/L	88
6) Bromomethane	1.858	94	3870	0.391	ug/L	94
8) Chloroethane	1.935	64	4758	0.492	ug/L	99
9) Trichlorofluoromethane	2.138	101	10189	0.438	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	5777	0.425	ug/L	89
12) 1,1-Dichloroethene	2.581	96	5565	0.466	ug/L	95
13) Acetone	2.658	43	11387	6.050	ug/L	72
14) Carbon disulfide	2.790	76	12359	0.385	ug/L	99
15) Methyl Acetate	2.967	43	2044	0.526	ug/L #	73
16) Methylene chloride	3.044	84	8103	0.499	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	12656	0.474	ug/L #	88
18) trans-1,2-Dichloroethene	3.350	96	5127	0.423	ug/L	96
19) 1,1-Dichloroethane	3.867	63	10313	0.464	ug/L	93
21) 2-Butanone	4.736	43	12700	4.923	ug/L	84
22) cis-1,2-Dichloroethene	4.665	96	6041	0.439	ug/L	83
23) Bromochloromethane	4.973	128	2504	0.412	ug/L	87
25) Chloroform	5.083	83	12211	0.507	ug/L	94
27) 1,2-Dichloroethane	5.790	62	6538	0.470	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	10126	0.496	ug/L	100
30) Cyclohexane	5.388	56	7487	0.419	ug/L	96
31) Carbon tetrachloride	5.517	117	8326	0.471	ug/L	99
33) Benzene	5.771	78	21918	0.438	ug/L	100
34) Trichloroethene	6.539	95	5845	0.430	ug/L	93
35) Methylcyclohexane	6.758	83	8686	0.421	ug/L	96
37) 1,2-Dichloropropane	6.790	63	6081	0.484	ug/L #	93
38) Bromodichloromethane	7.102	83	7173	0.455	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	8529	0.447	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	27812	4.708	ug/L	97
42) Toluene	7.967	91	21771	0.410	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6399	0.414	ug/L	96

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 Misc : 25.0mL/MSVOA_U/WATER
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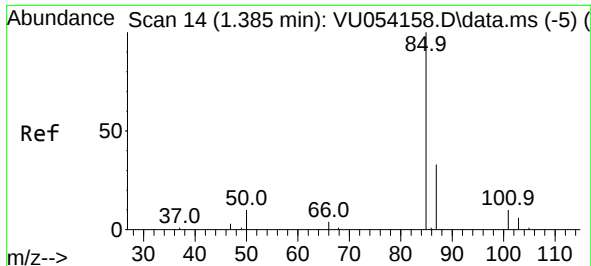
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5025

Quant Time: May 19 01:40:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.398	97	4372	0.469	ug/L	95
47) Tetrachloroethene	8.552	164	4921	0.453	ug/L	91
48) 2-Hexanone	8.684	43	20174	4.474	ug/L	97
49) Dibromochloromethane	8.803	129	4779	0.477	ug/L	86
50) 1,2-Dibromoethane	8.922	107	3810	0.441	ug/L #	92
51) Chlorobenzene	9.446	112	16227	0.448	ug/L	96
52) Ethylbenzene	9.568	91	23781	0.404	ug/L	100
53) m,p-Xylene	9.694	106	8860	0.394	ug/L	95
54) o-Xylene	10.099	106	8731	0.402	ug/L	95
55) Styrene	10.111	104	13209	0.370	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	5047	0.449	ug/L #	98
59) Bromoform	10.288	173	2678	0.517	ug/L #	93
60) Isopropylbenzene	10.481	105	23169	0.434	ug/L	98
61) 1,2,3-Trichloropropane	10.825	75	3562	0.517	ug/L #	83
62) 1,3,5-Trimethylbenzene	11.086	105	17995	0.413	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	17243	0.391	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	12280	0.460	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	12763	0.473	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	11520	0.464	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	675	0.467	ug/L	82
69) 1,3,5-Trichlorobenzene	13.217	180	8358	0.430	ug/L	95
70) 1,2,4-trichlorobenzene	13.838	180	7044	0.399	ug/L	96
71) Naphthalene	14.092	128	8442	0.277	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.327	180	5297	0.335	ug/L	97

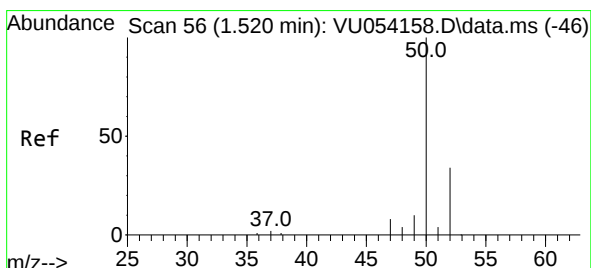
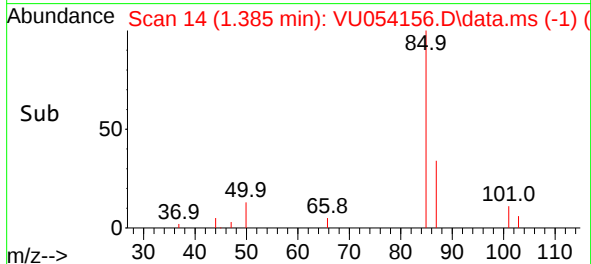
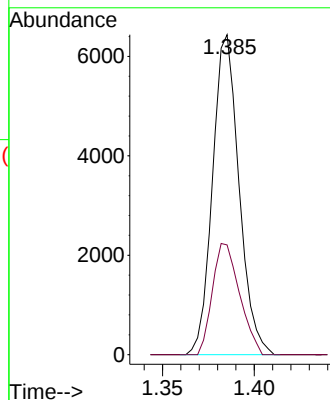
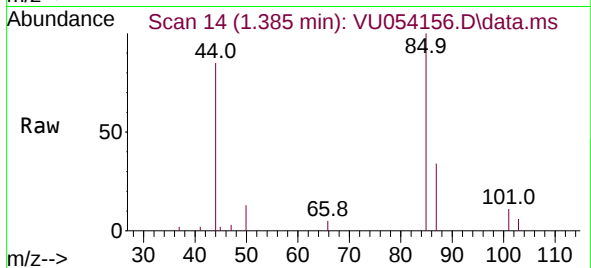
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.458 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

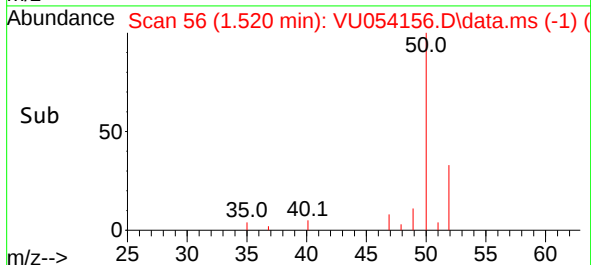
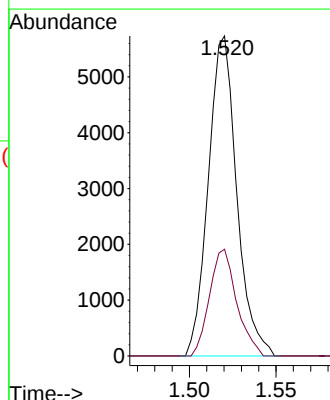
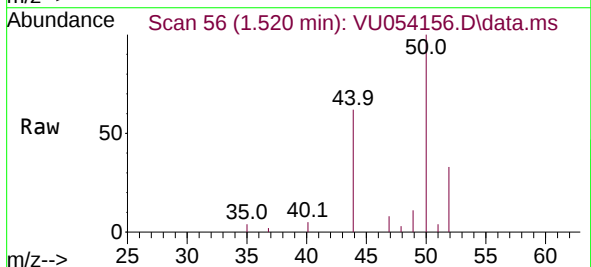
Instrument :
MSVOA_U
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VSTD0.5025

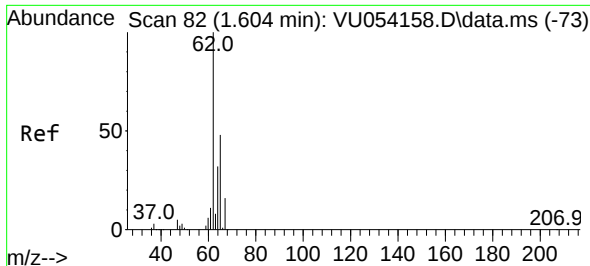
Tgt Ion: 85 Resp: 6451
Ion Ratio Lower Upper
85 100
87 35.6 26.1 39.1



#3
Chloromethane
Concen: 0.482 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 50 Resp: 6546
Ion Ratio Lower Upper
50 100
52 33.3 23.7 44.1

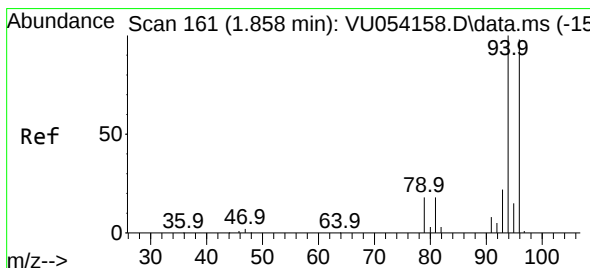
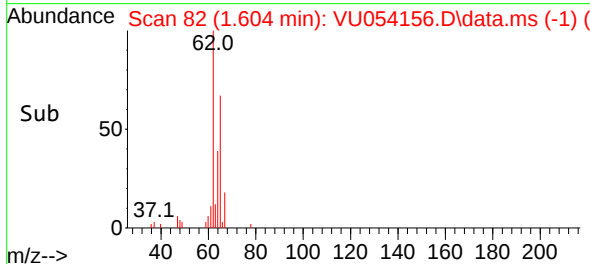
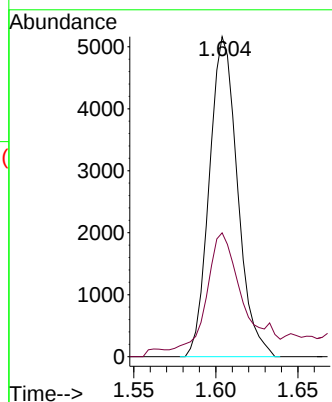
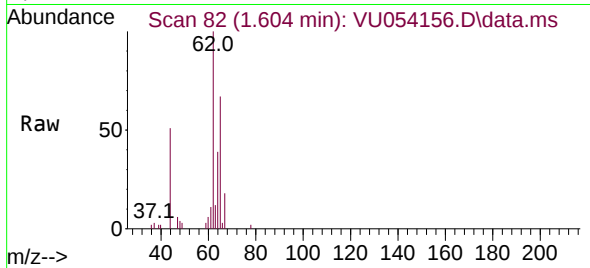




#5
 Vinyl chloride
 Concen: 0.399 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU054156.D
 Acq: 18 May 2023 09:42

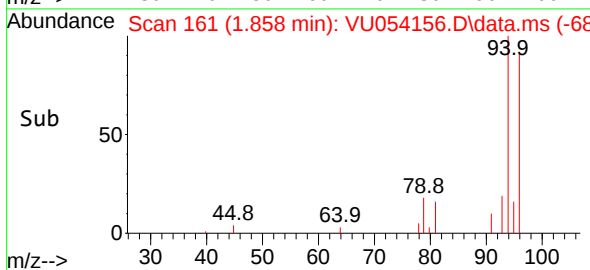
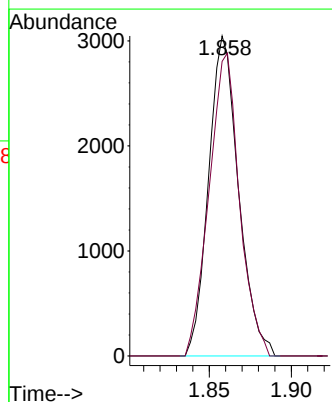
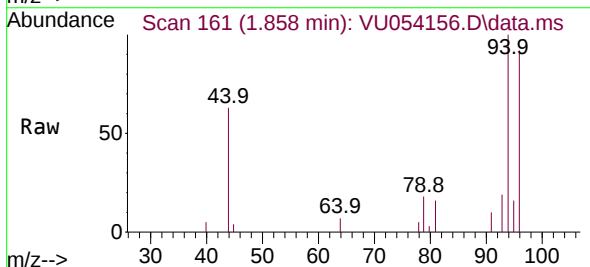
Instrument :
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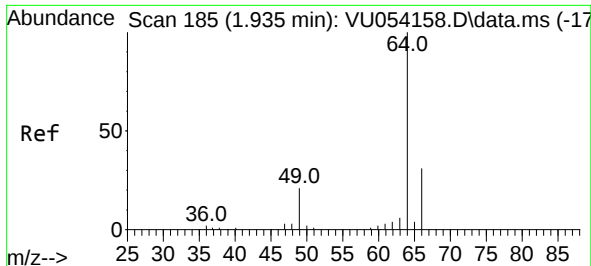
Tgt Ion: 62 Resp: 6160
 Ion Ratio Lower Upper
 62 100
 64 38.7 22.4 41.6



#6
 Bromomethane
 Concen: 0.391 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU054156.D
 Acq: 18 May 2023 09:42

Tgt Ion: 94 Resp: 3870
 Ion Ratio Lower Upper
 94 100
 96 92.1 68.7 127.5





#8

Chloroethane

Concen: 0.492 ug/L

RT: 1.935 min Scan# 185

Delta R.T. 0.000 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

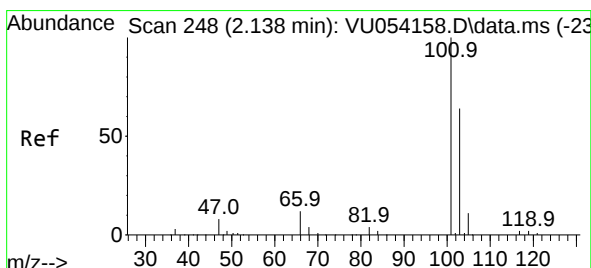
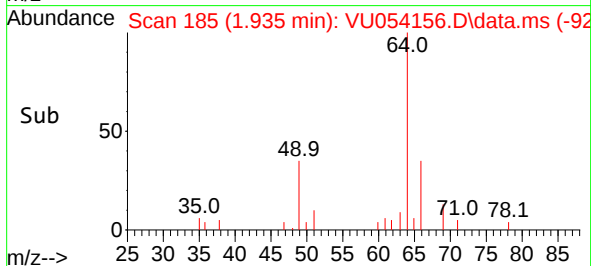
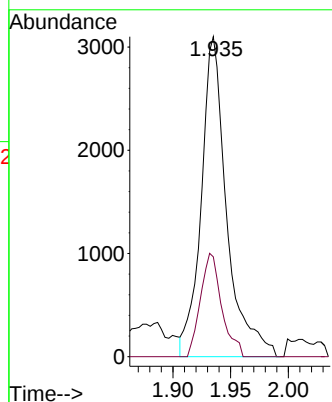
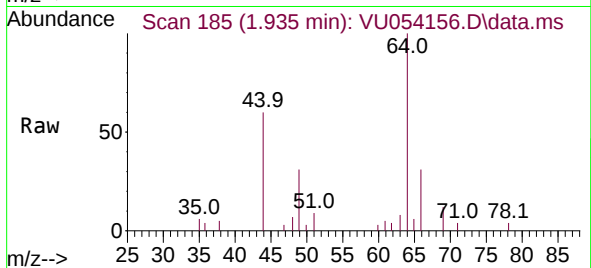
VSTD0.5025

Tgt Ion: 64 Resp: 4758

Ion Ratio Lower Upper

64 100

66 31.2 21.6 40.0



#9

Trichlorofluoromethane

Concen: 0.438 ug/L

RT: 2.138 min Scan# 248

Delta R.T. 0.000 min

Lab File: VU054156.D

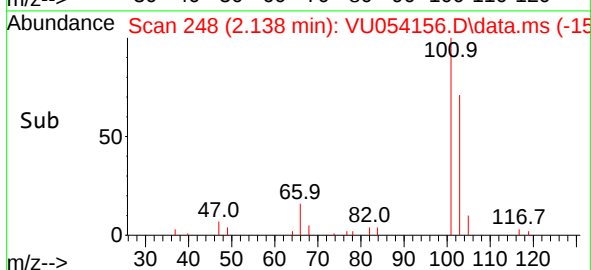
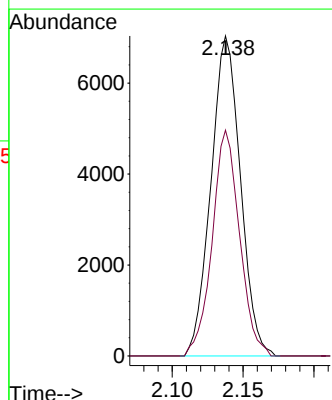
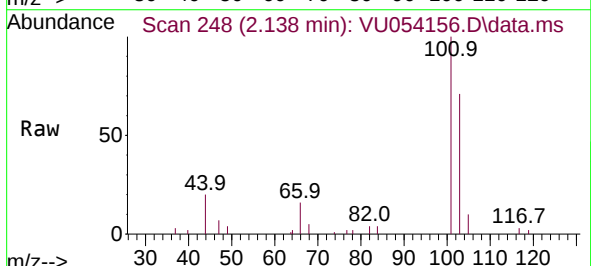
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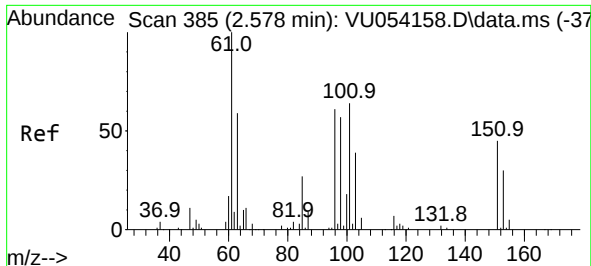
Tgt Ion: 101 Resp: 10189

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.425 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

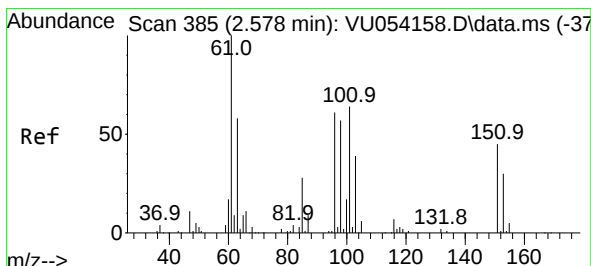
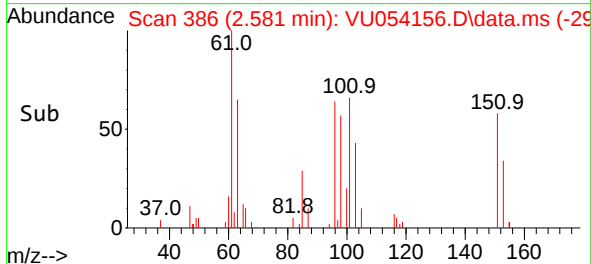
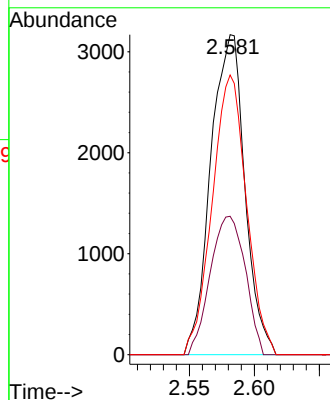
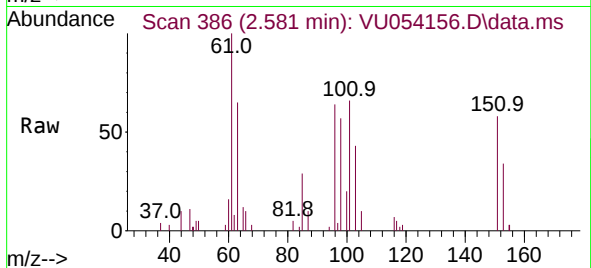
Tgt Ion:101 Resp: 5777

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.4

151 87.8 59.0 88.6



#12

1,1-Dichloroethene

Concen: 0.466 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

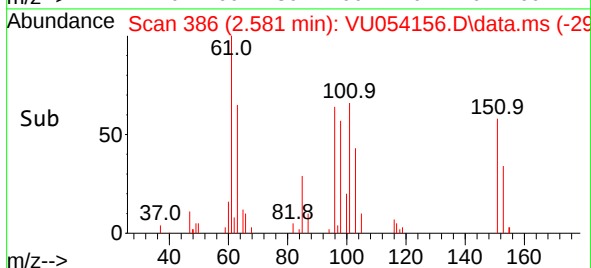
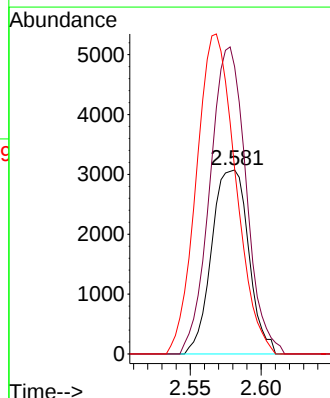
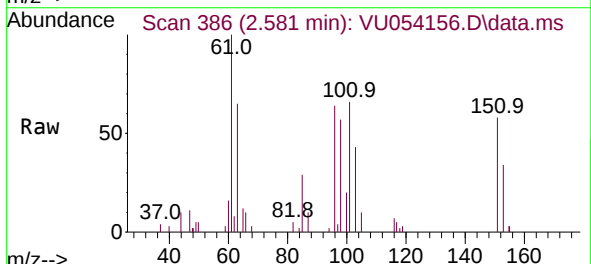
Tgt Ion: 96 Resp: 5565

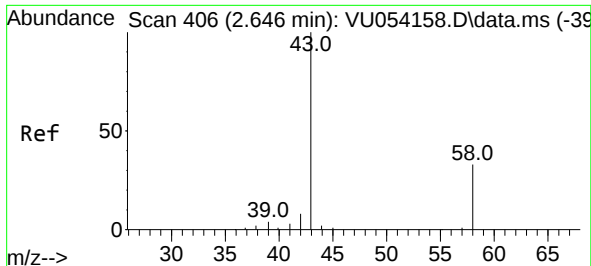
Ion Ratio Lower Upper

96 100

61 156.3 114.7 212.9

63 100.8 68.6 127.4





#13

Acetone

Concen: 6.050 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.013 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

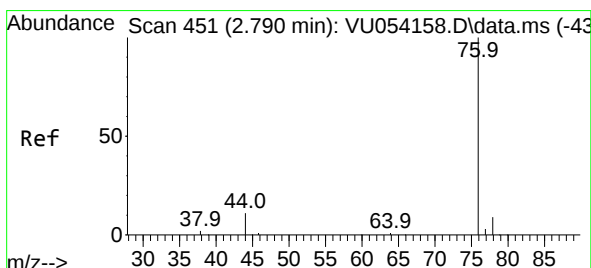
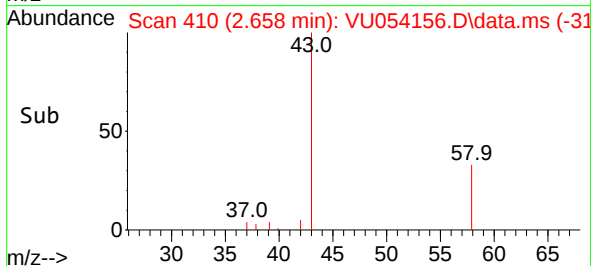
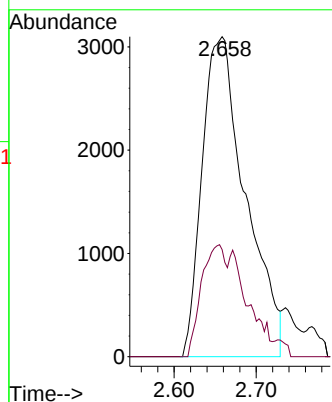
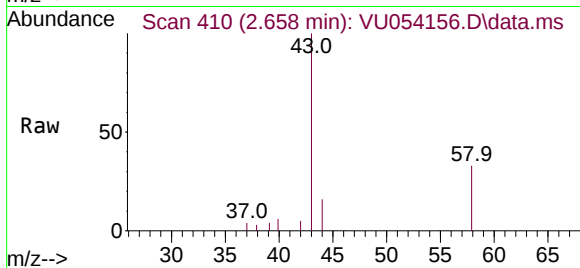
VSTD0.5025

Tgt Ion: 43 Resp: 11387

Ion Ratio Lower Upper

43 100

58 19.8 0.0 73.2



#14

Carbon disulfide

Concen: 0.385 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054156.D

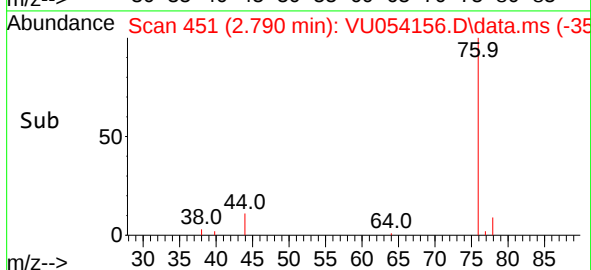
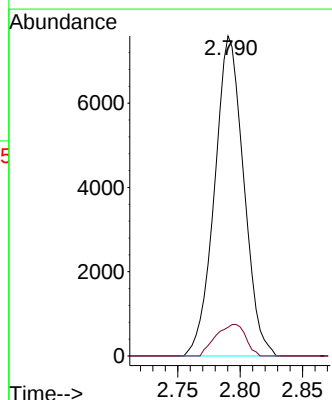
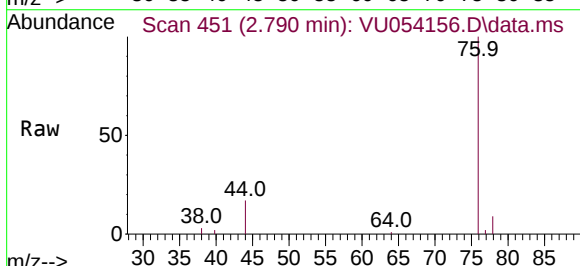
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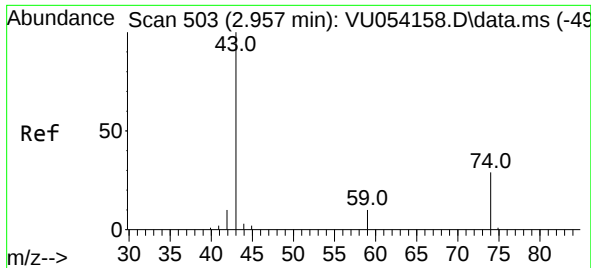
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Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

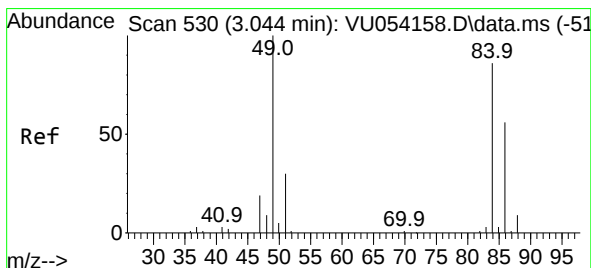
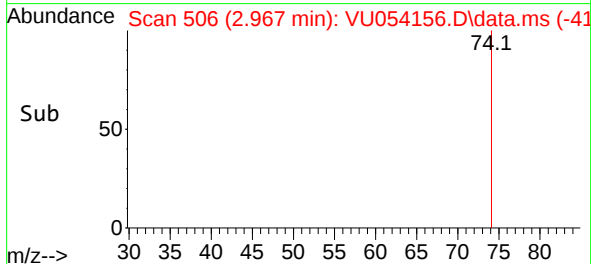
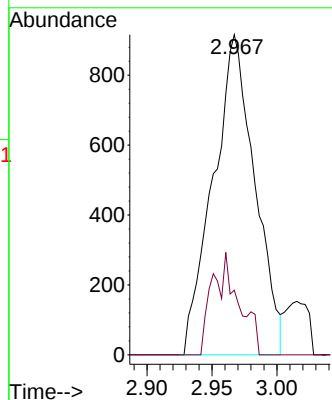
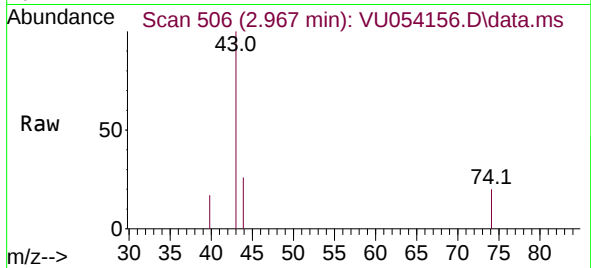




#15
Methyl Acetate
Concen: 0.526 ug/L
RT: 2.967 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

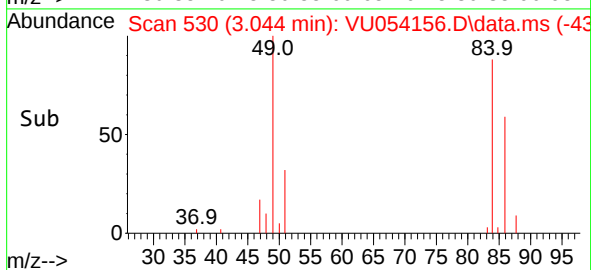
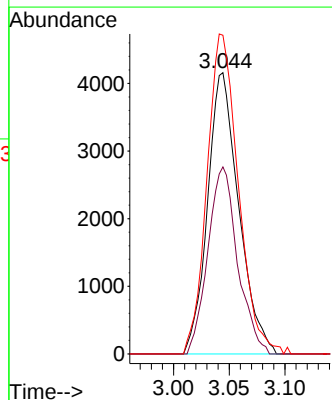
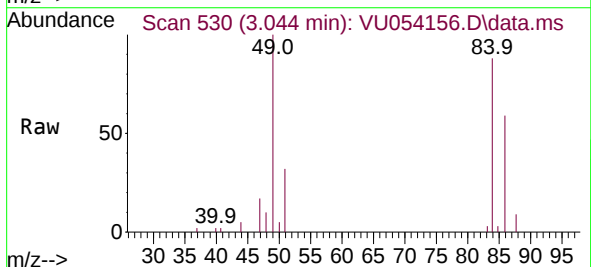
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ClientSampleId :
VSTD0.5025

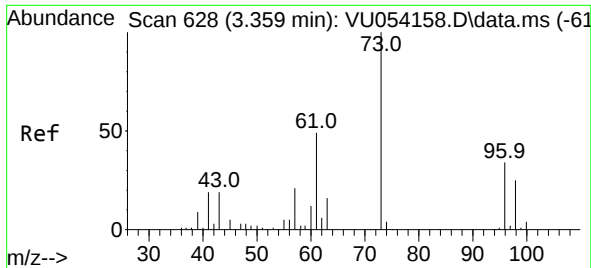
Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
74 11.8 20.3 30.5#



#16
Methylene chloride
Concen: 0.499 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 84 Resp: 8103
Ion Ratio Lower Upper
84 100
86 66.5 45.5 84.5
49 113.3 81.3 150.9

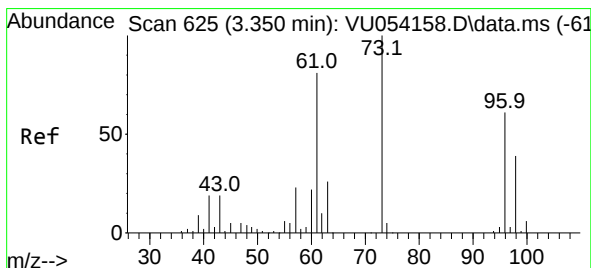
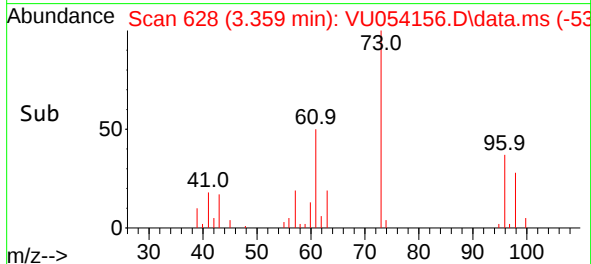
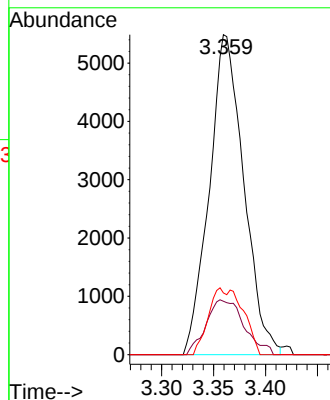
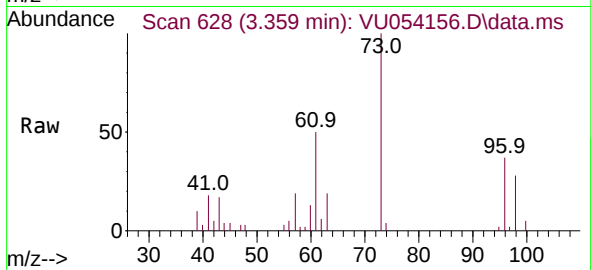




#17
Methyl tert-butyl Ether
Concen: 0.474 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

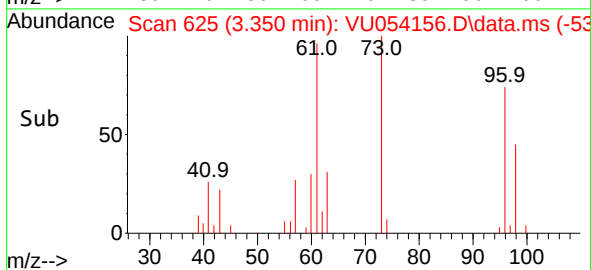
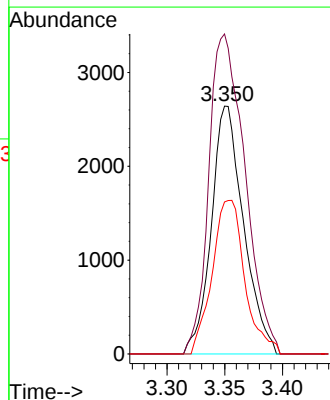
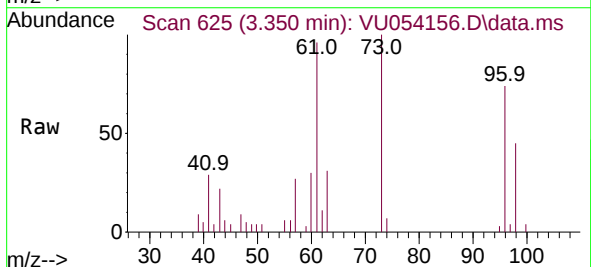
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

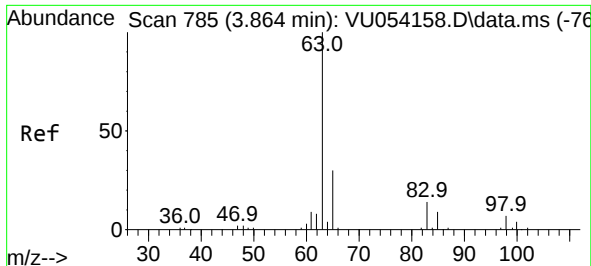
Tgt Ion: 73	Resp:	12656
Ion	Ratio	Lower Upper
73	100	
43	18.9	14.6 22.0
57	11.2	17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.423 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 96	Resp:	5127
Ion	Ratio	Lower Upper
96	100	
61	129.1	94.1 174.8
98	61.3	45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.464 ug/L

RT: 3.867 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

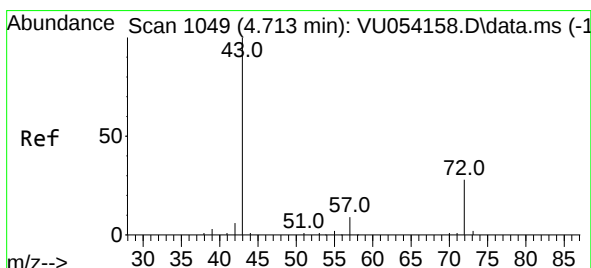
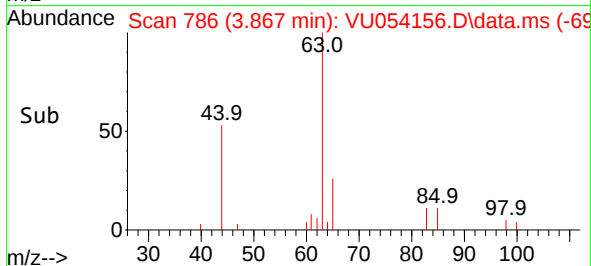
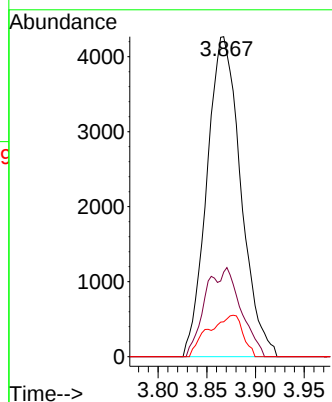
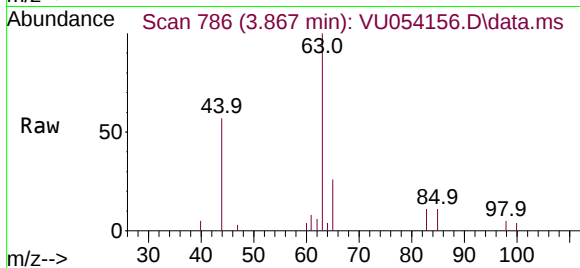
Tgt Ion: 63 Resp: 10313

Ion Ratio Lower Upper

63 100

65 26.5 20.7 38.5

83 10.9 10.1 18.7



#21

2-Butanone

Concen: 4.923 ug/L

RT: 4.736 min Scan# 1056

Delta R.T. 0.023 min

Lab File: VU054156.D

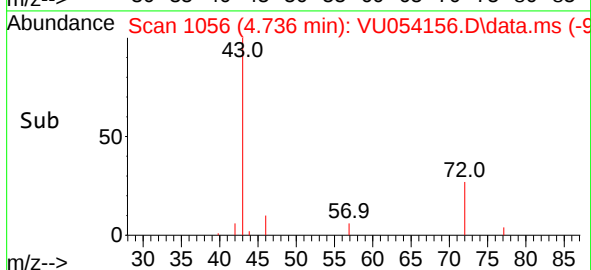
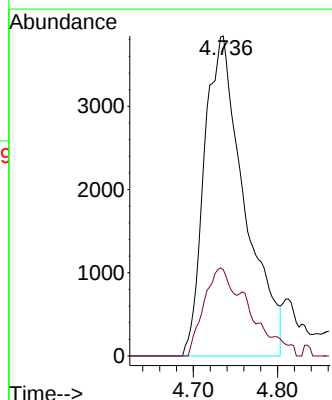
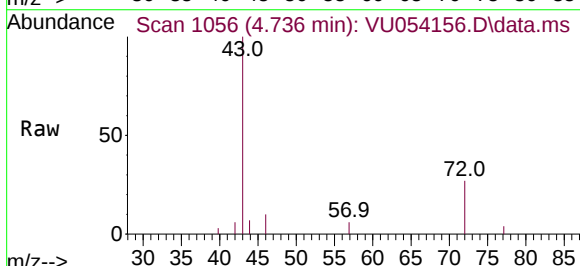
Acq: 18 May 2023 09:42

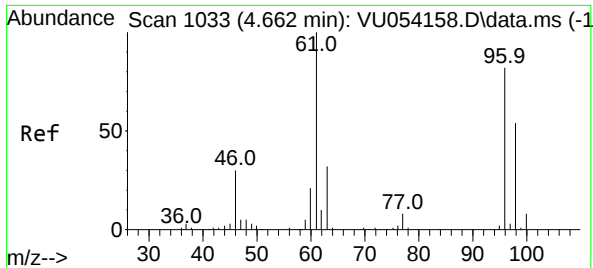
Tgt Ion: 43 Resp: 12700

Ion Ratio Lower Upper

43 100

72 19.8 14.2 42.8

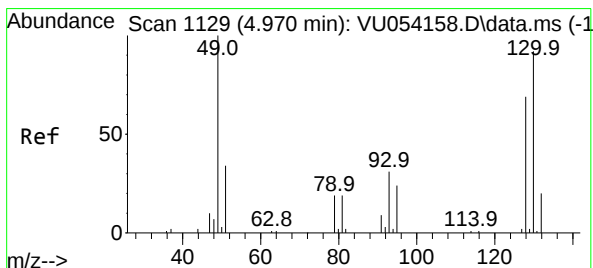
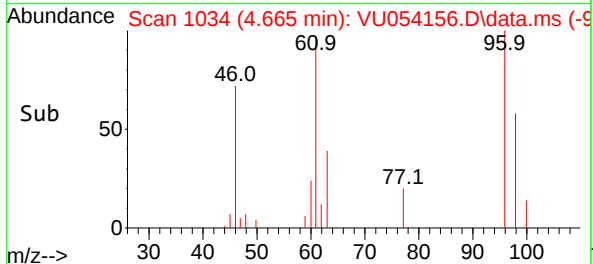
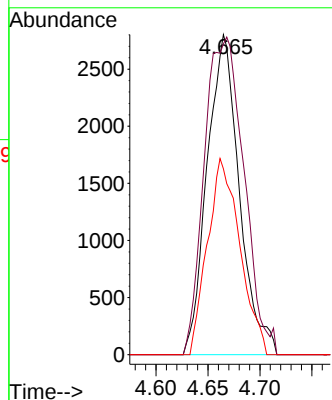
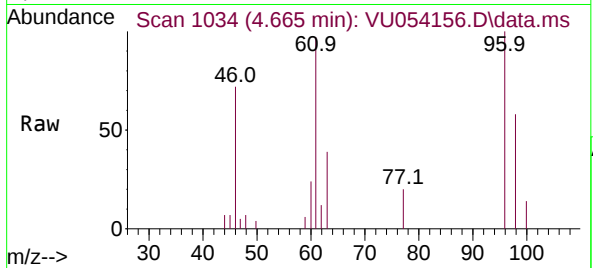




#22
 cis-1,2-Dichloroethene
 Concen: 0.439 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU054156.D
 Acq: 18 May 2023 09:42

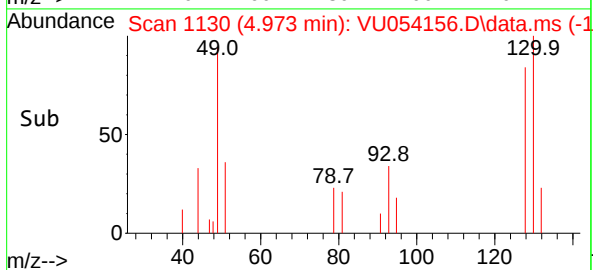
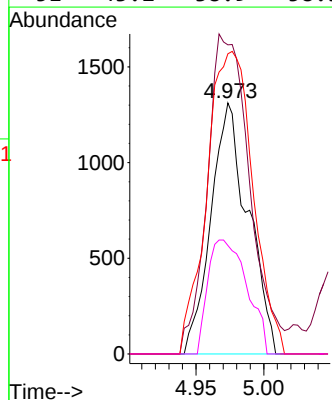
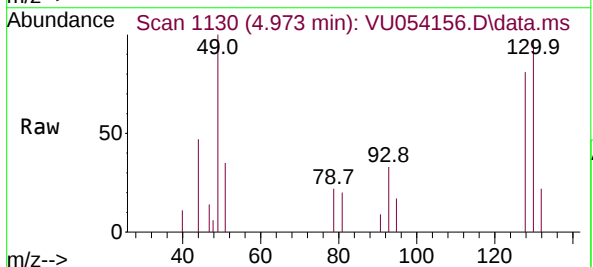
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5025

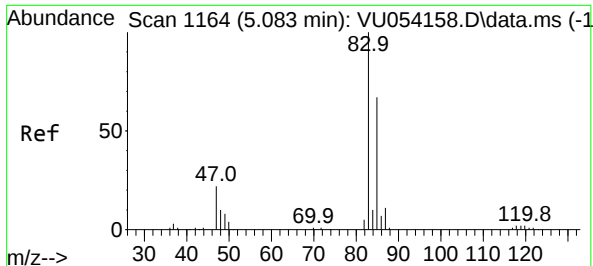
Tgt Ion: 96	Resp:	6041
Ion	Ratio	Lower Upper
96	100	
61	97.1	85.0 157.8
98	58.1	45.8 85.0



#23
 Bromochloromethane
 Concen: 0.412 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU054156.D
 Acq: 18 May 2023 09:42

Tgt Ion: 128	Resp:	2504
Ion	Ratio	Lower Upper
128	100	
49	123.1	100.9 187.3
130	119.5	93.2 173.0
51	43.2	38.9 58.3





#25

Chloroform

Concen: 0.507 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

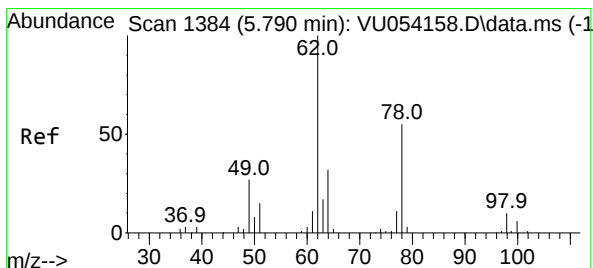
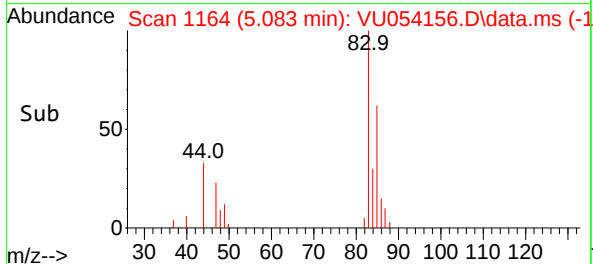
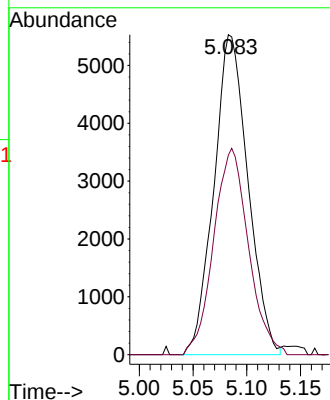
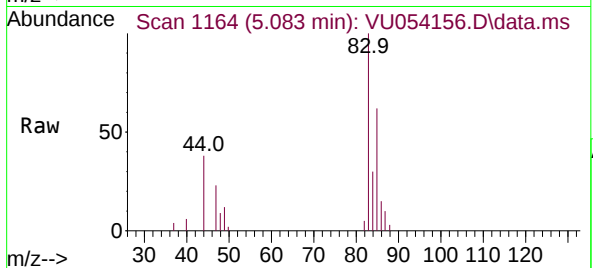
VSTD0.5025

Tgt Ion: 83 Resp: 12211

Ion Ratio Lower Upper

83 100

85 62.3 46.8 87.0



#27

1,2-Dichloroethane

Concen: 0.470 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU054156.D

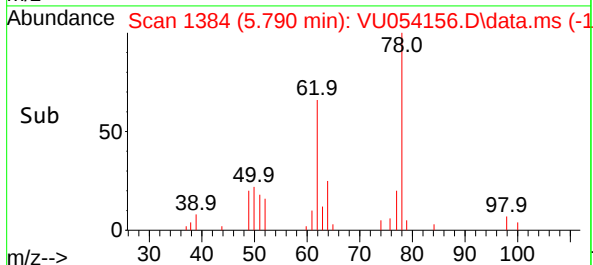
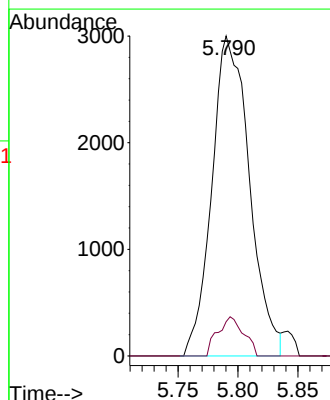
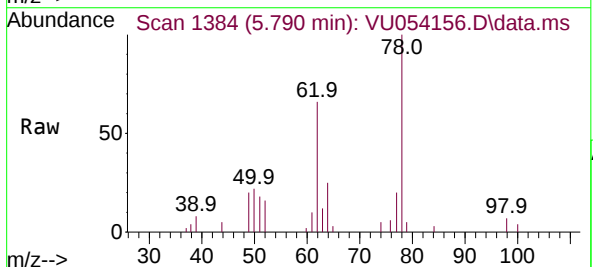
Acq: 18 May 2023 09:42

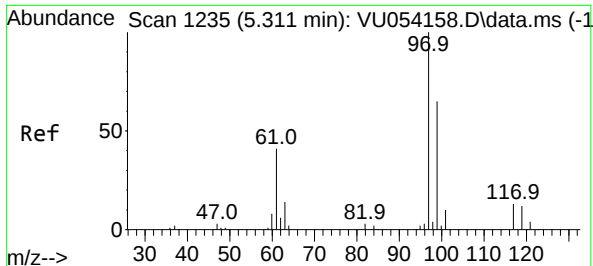
Tgt Ion: 62 Resp: 6538

Ion Ratio Lower Upper

62 100

98 10.7 7.6 11.4

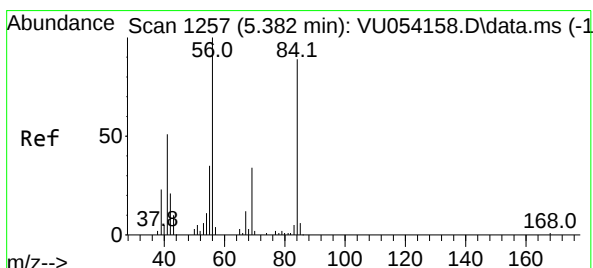
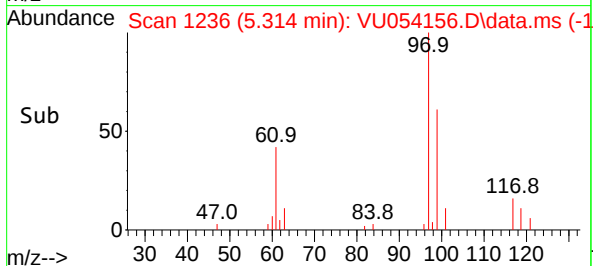
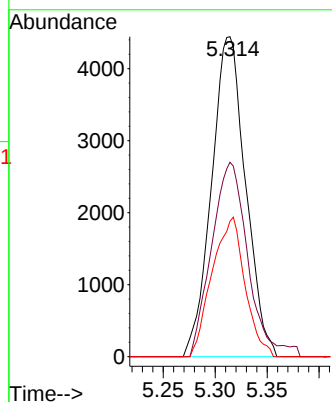
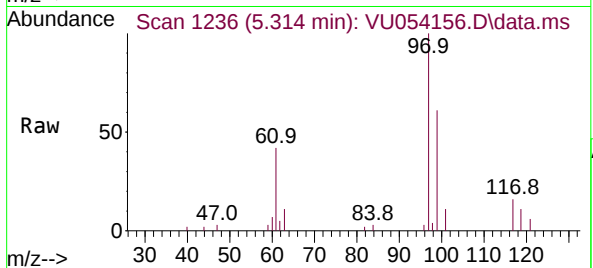




#29
1,1,1-Trichloroethane
Concen: 0.496 ug/L
RT: 5.314 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

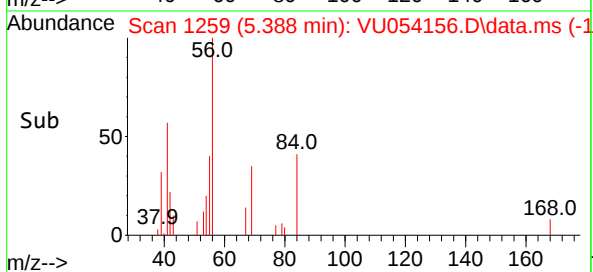
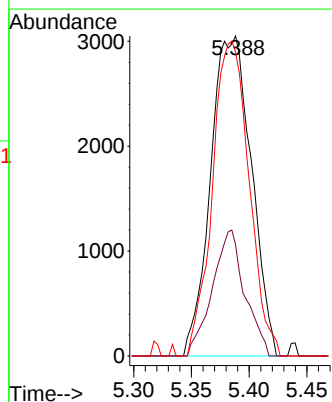
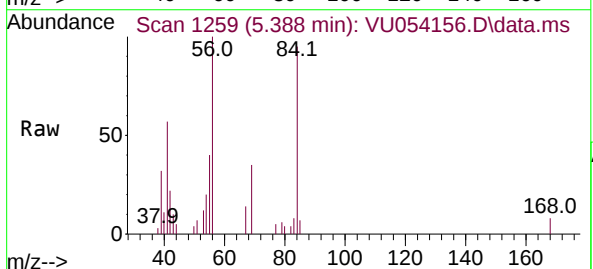
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

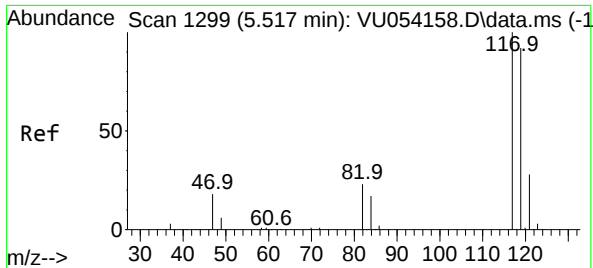
Tgt Ion:	97	Resp:	10126
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	42.0	33.4	50.2



#30
Cyclohexane
Concen: 0.419 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion:	56	Resp:	7487
Ion	Ratio	Lower	Upper
56	100		
69	31.3	26.2	39.4
84	88.3	74.2	111.4

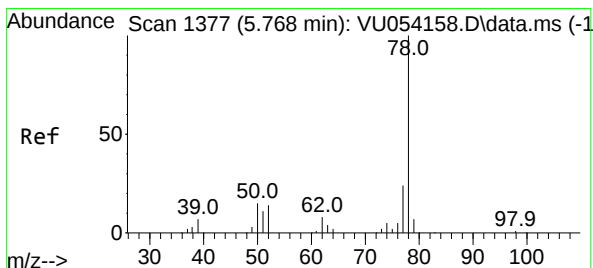
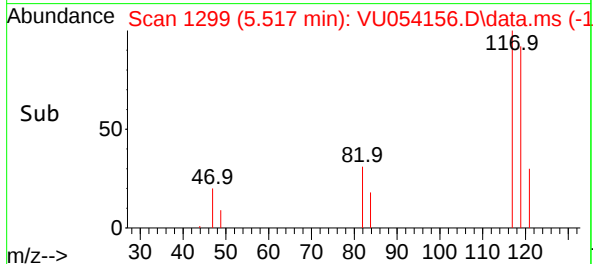
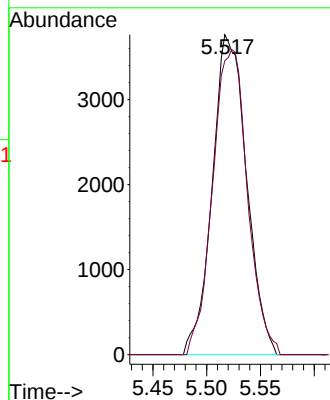
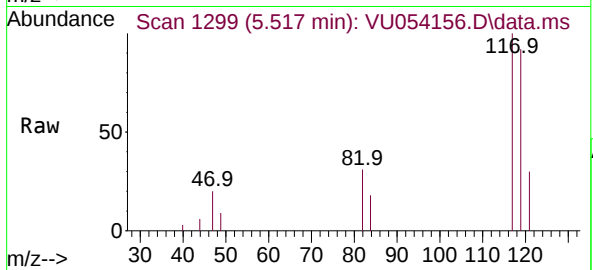




#31
Carbon tetrachloride
Concen: 0.471 ug/L
RT: 5.517 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

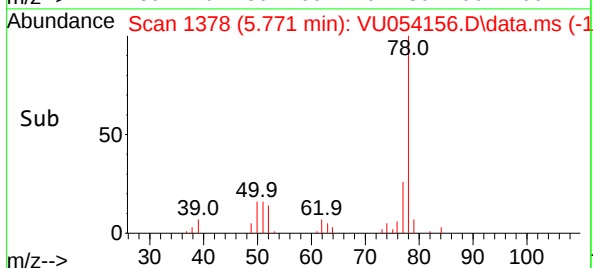
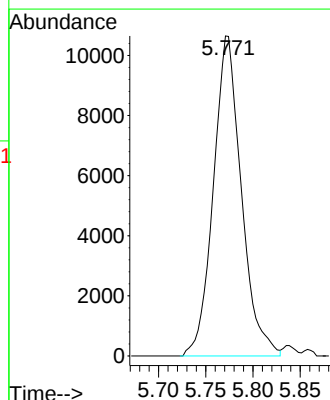
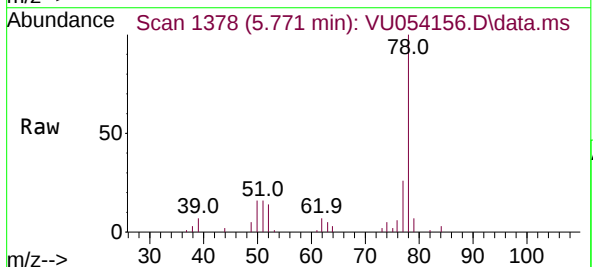
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

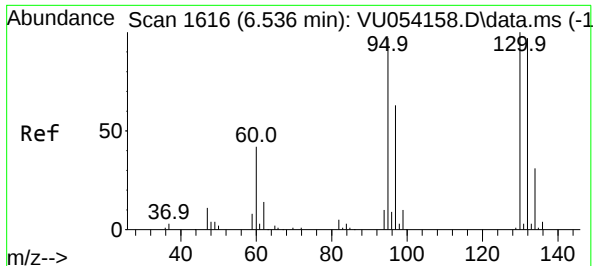
Tgt Ion:117 Resp: 8326
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8



#33
Benzene
Concen: 0.438 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 78 Resp: 21918

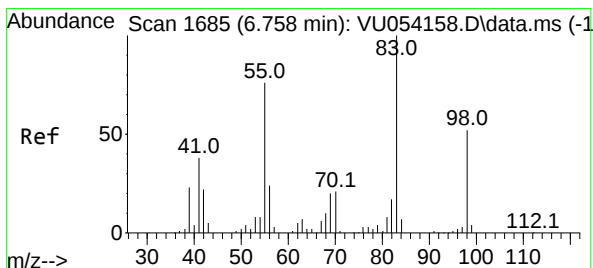
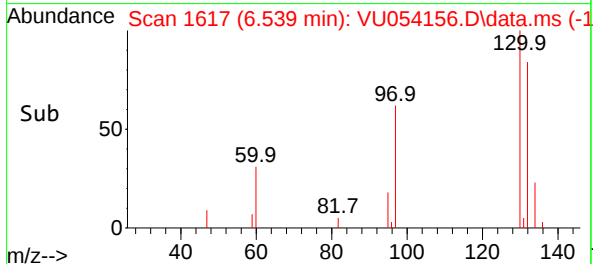
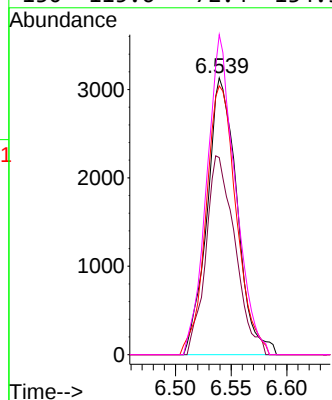
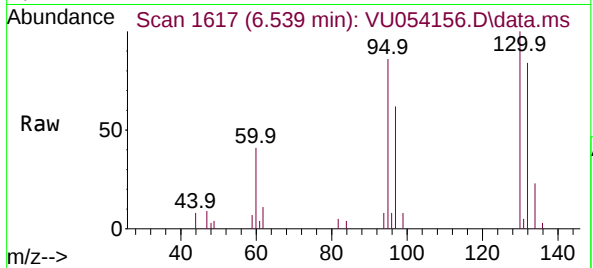




#34
Trichloroethene
Concen: 0.430 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

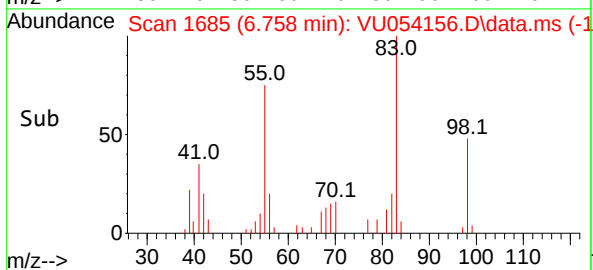
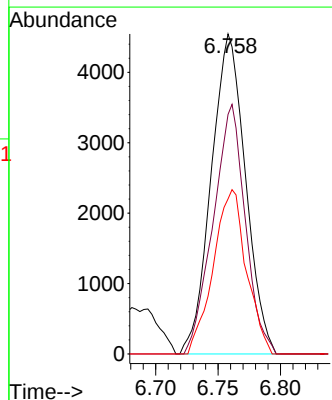
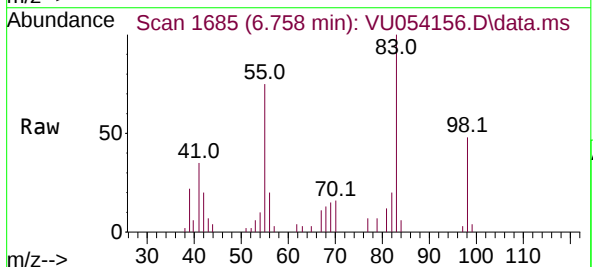
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

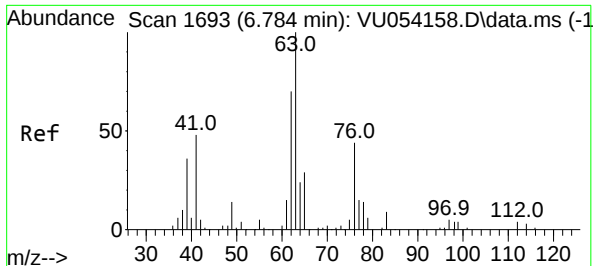
Tgt Ion: 95 Resp: 5845
Ion Ratio Lower Upper
95 100
97 71.2 45.8 85.0
132 97.1 70.1 130.3
130 115.6 72.4 134.5



#35
Methylcyclohexane
Concen: 0.421 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 83 Resp: 8686
Ion Ratio Lower Upper
83 100
55 73.2 61.6 92.4
98 49.6 41.3 61.9

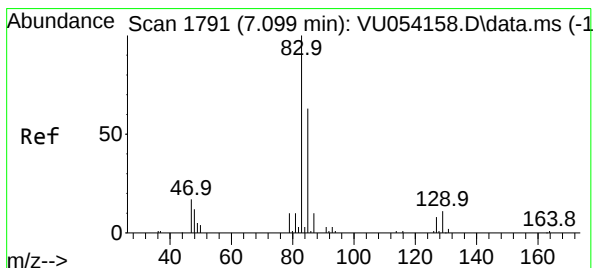
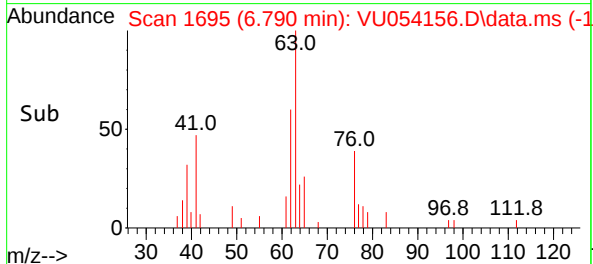
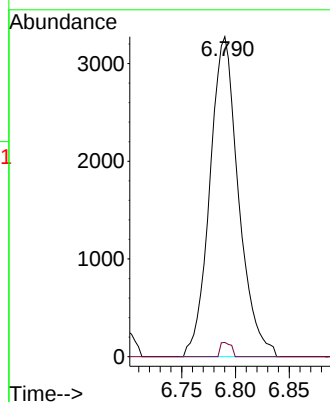
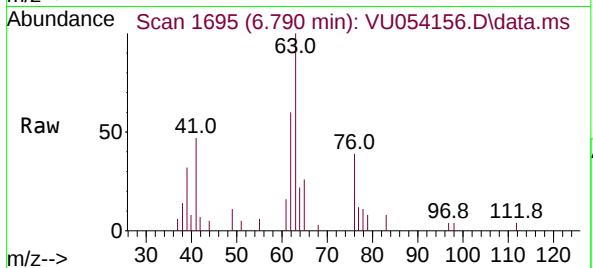




#37
1,2-Dichloropropane
Concen: 0.484 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

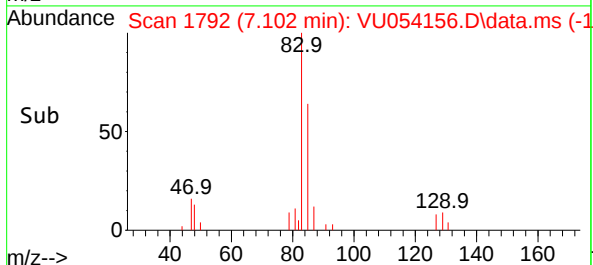
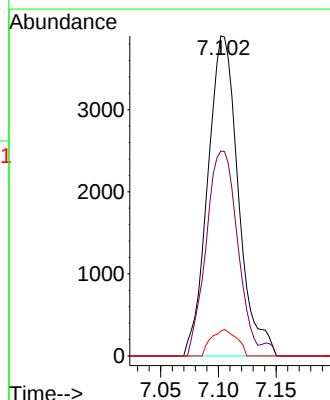
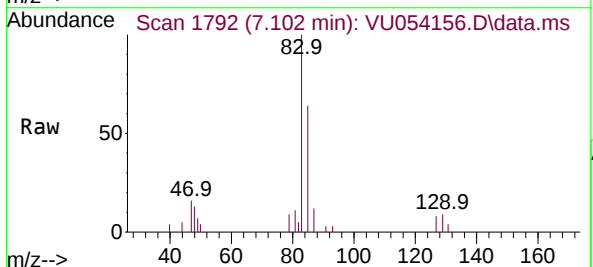
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

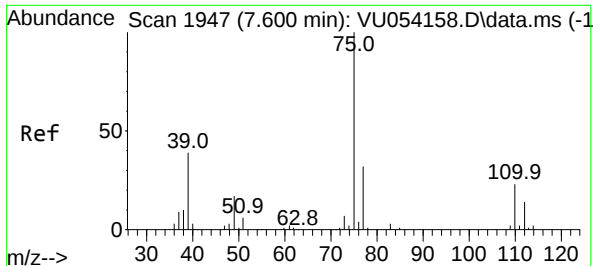
Tgt Ion: 63 Resp: 6081
Ion Ratio Lower Upper
63 100
112 1.7 3.3 4.9#



#38
Bromodichloromethane
Concen: 0.455 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 83 Resp: 7173
Ion Ratio Lower Upper
83 100
85 64.0 44.2 82.0
127 7.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.447 ug/L

RT: 7.607 min Scan# 1947

Delta R.T. 0.006 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

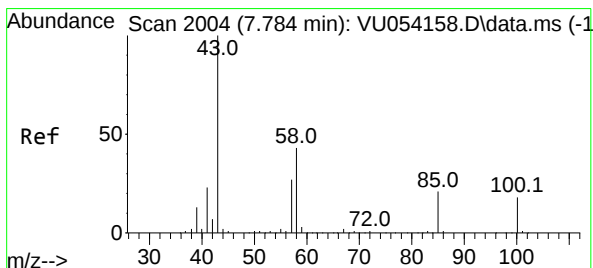
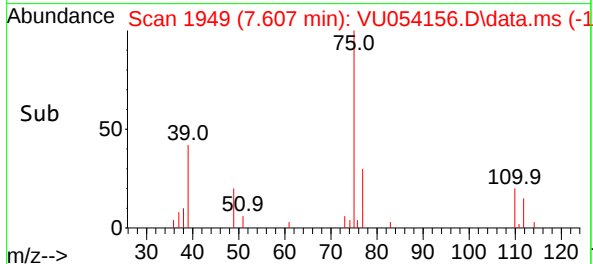
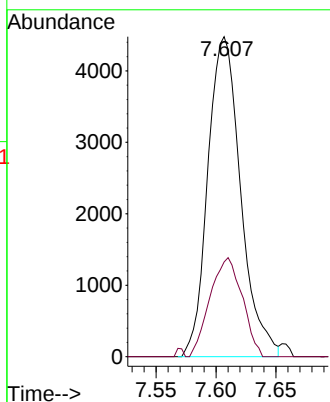
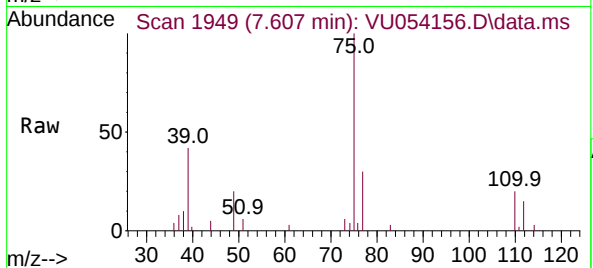
VSTD0.5025

Tgt Ion: 75 Resp: 8529

Ion Ratio Lower Upper

75 100

77 29.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 4.708 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

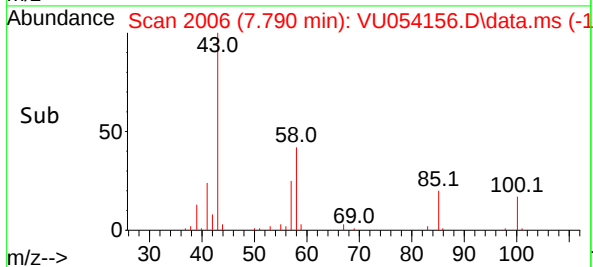
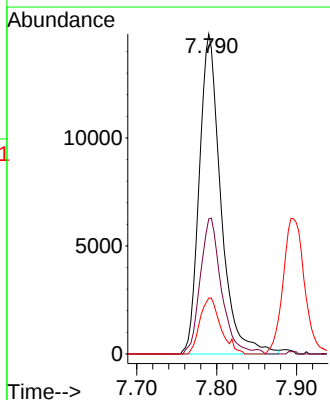
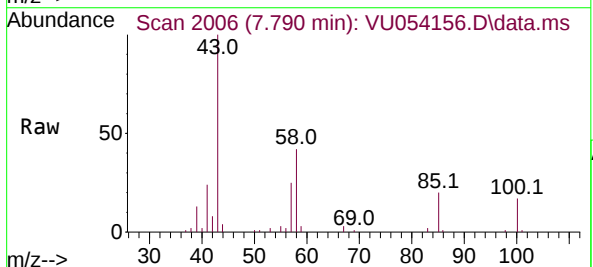
Tgt Ion: 43 Resp: 27812

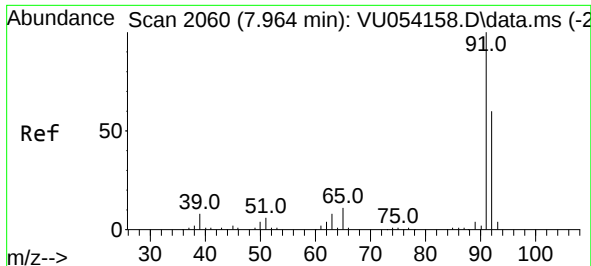
Ion Ratio Lower Upper

43 100

58 41.4 34.8 52.2

100 16.8 14.1 21.1





#42

Toluene

Concen: 0.410 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

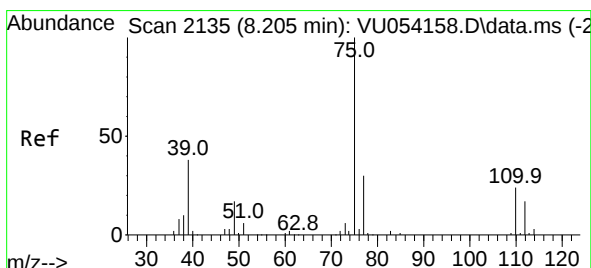
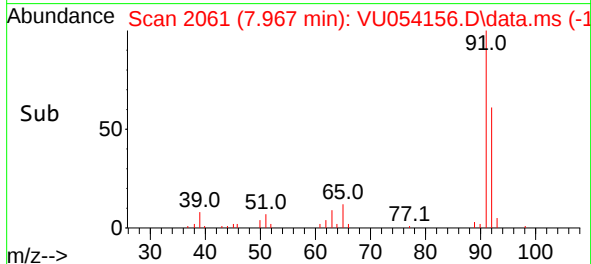
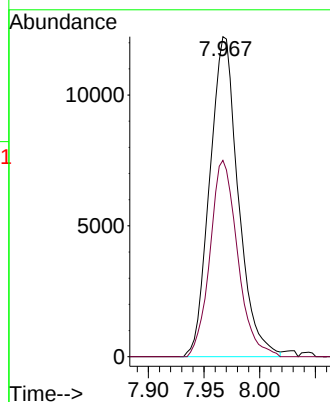
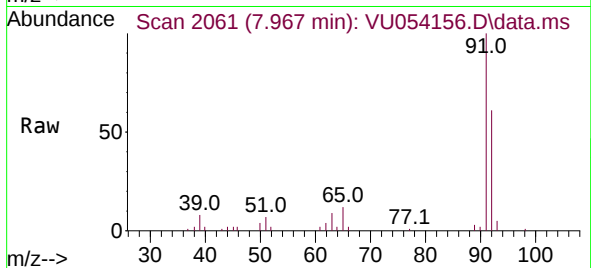
VSTD0.5025

Tgt Ion: 91 Resp: 21771

Ion Ratio Lower Upper

91 100

92 61.4 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 0.414 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU054156.D

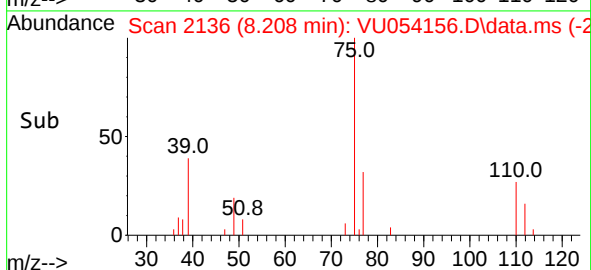
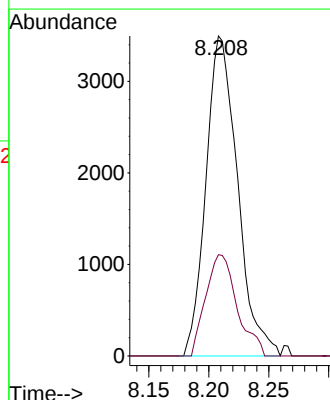
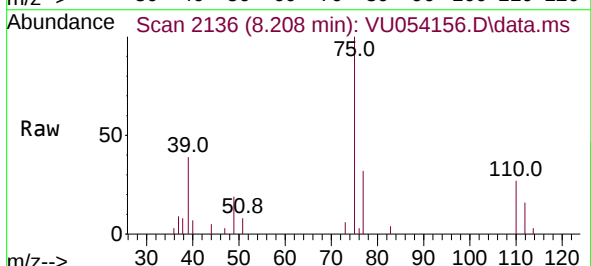
Acq: 18 May 2023 09:42

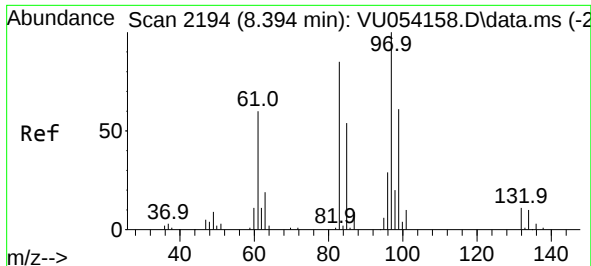
Tgt Ion: 75 Resp: 6399

Ion Ratio Lower Upper

75 100

77 31.6 20.8 38.6

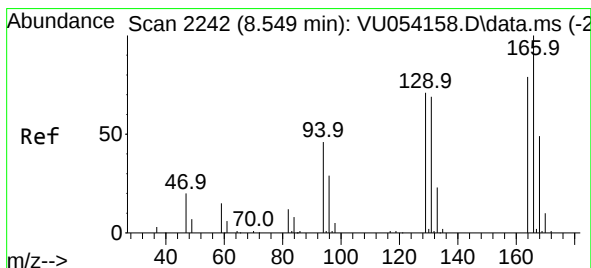
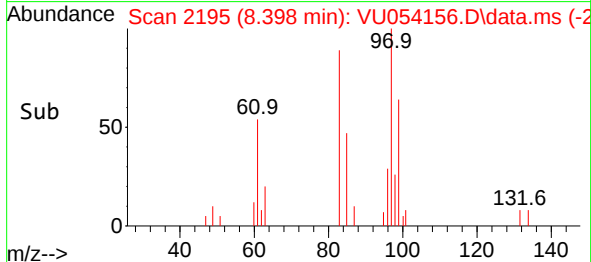
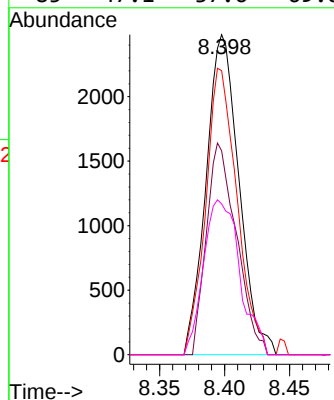
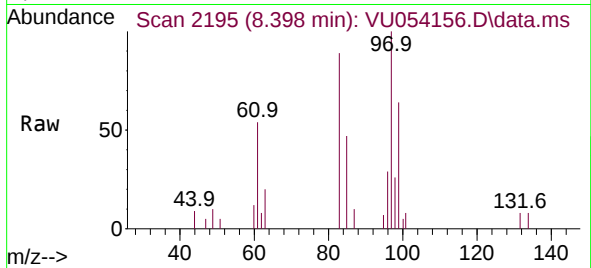




#45
1,1,2-Trichloroethane
Concen: 0.469 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

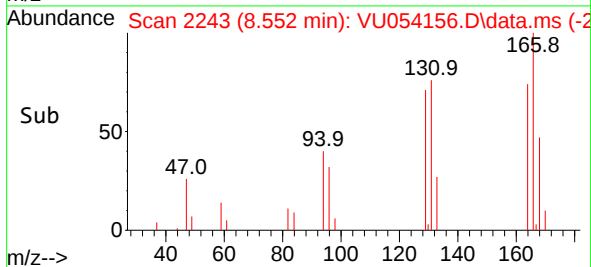
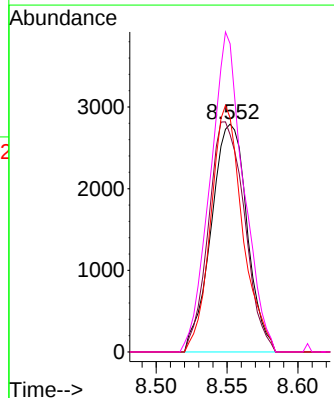
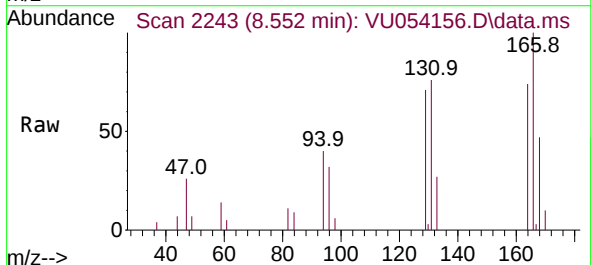
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

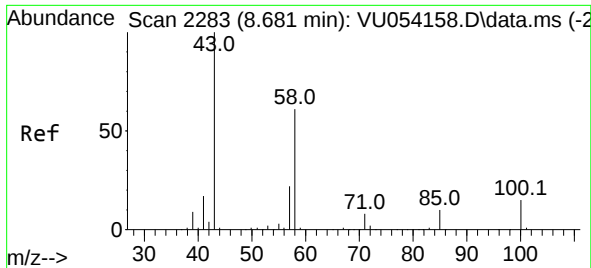
Tgt Ion:	97	Resp:	4372
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.0	79.8
83	88.8	59.1	109.9
85	47.1	37.6	69.8



#47
Tetrachloroethene
Concen: 0.453 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion:	164	Resp:	4921
Ion	Ratio	Lower	Upper
164	100		
129	95.4	63.3	117.7
131	102.8	61.0	113.4
166	135.3	88.6	164.6

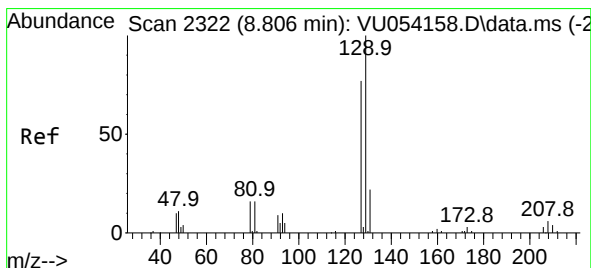
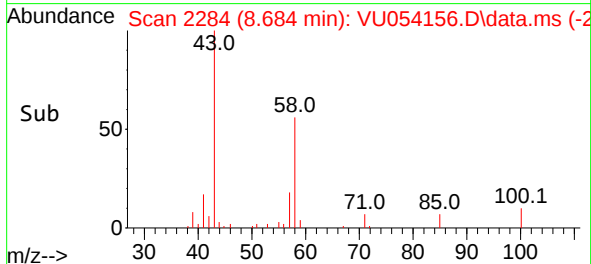
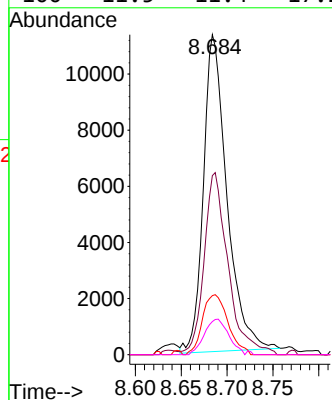
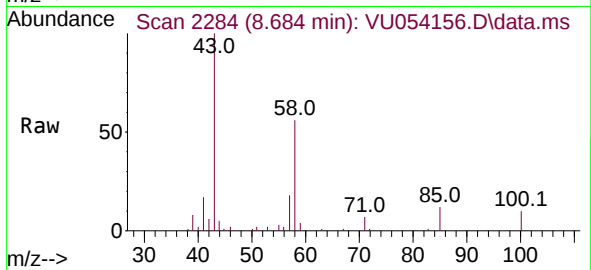




#48
2-Hexanone
Concen: 4.474 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

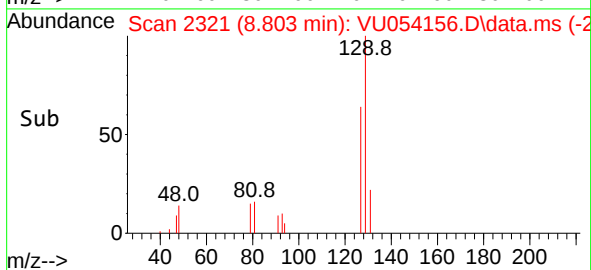
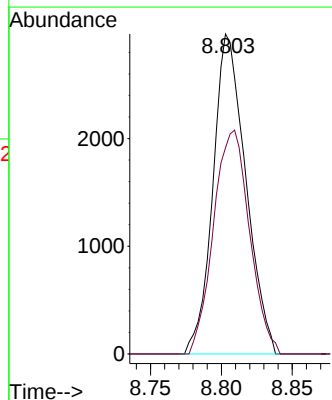
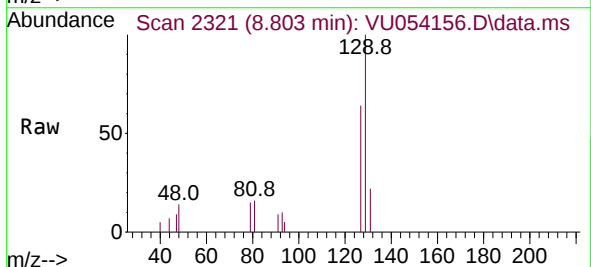
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

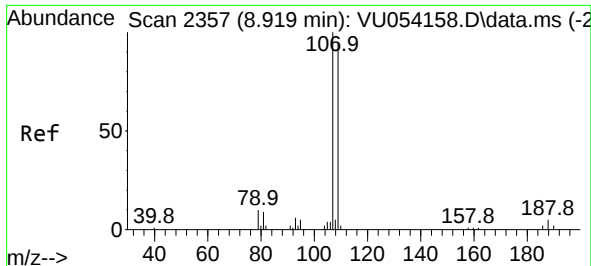
Tgt Ion: 43	Resp: 20174
Ion Ratio	Lower Upper
43 100	
58 58.7	48.6 72.8
57 20.5	16.7 25.1
100 11.5	11.4 17.2



#49
Dibromochloromethane
Concen: 0.477 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion:129	Resp:	4779	
Ion	Ratio	Lower	Upper
129	100		
127	64.4	53.6	99.6





#50

1,2-Dibromoethane

Concen: 0.441 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

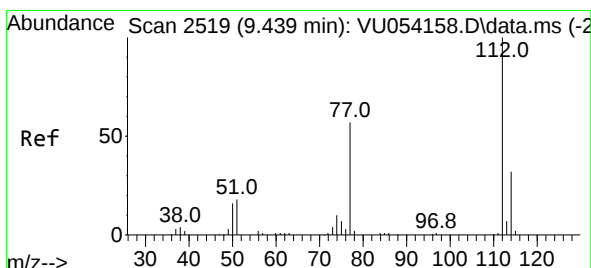
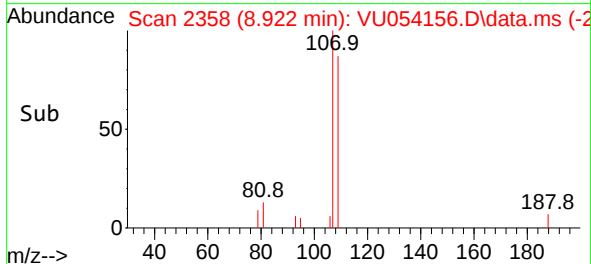
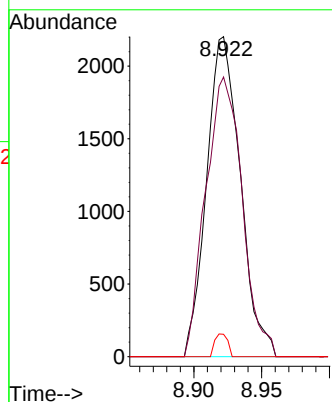
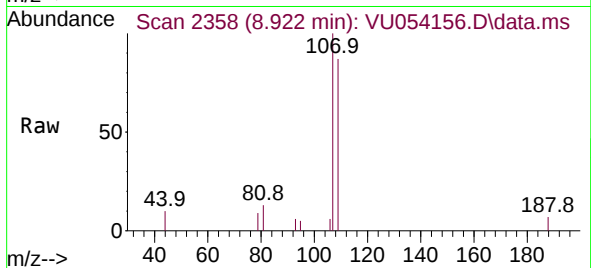
Tgt Ion:107 Resp: 3810

Ion Ratio Lower Upper

107 100

109 87.4 66.4 123.2

188 7.0 3.8 5.6#



#51

Chlorobenzene

Concen: 0.448 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

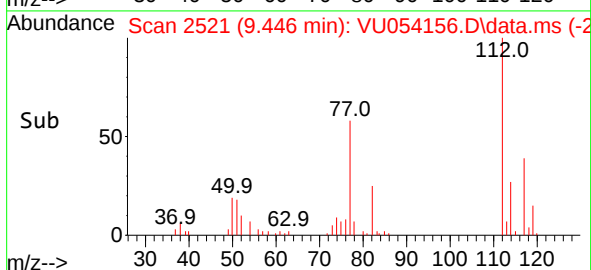
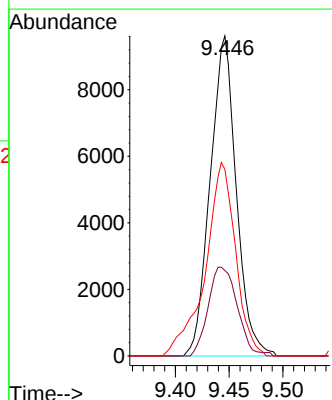
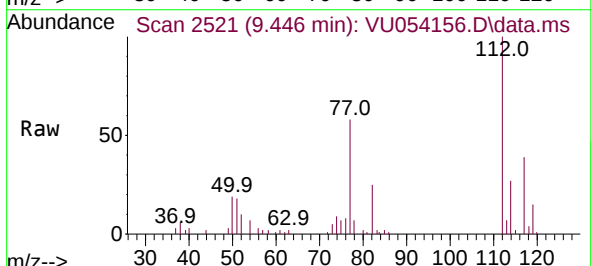
Tgt Ion:112 Resp: 16227

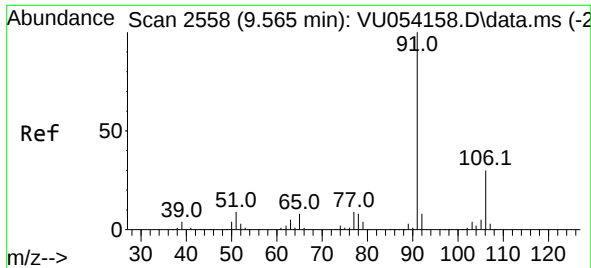
Ion Ratio Lower Upper

112 100

114 26.7 22.4 41.6

77 58.3 46.1 69.1

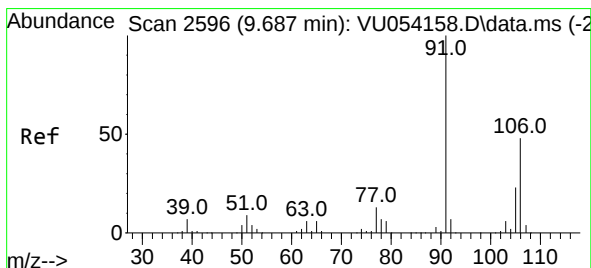
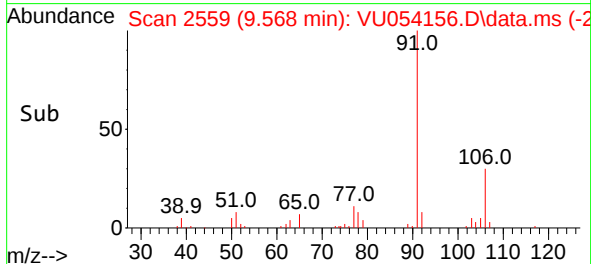
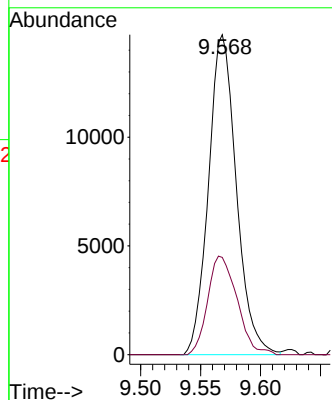
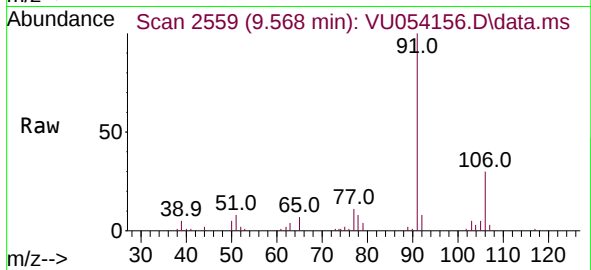




#52
Ethylbenzene
Concen: 0.404 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

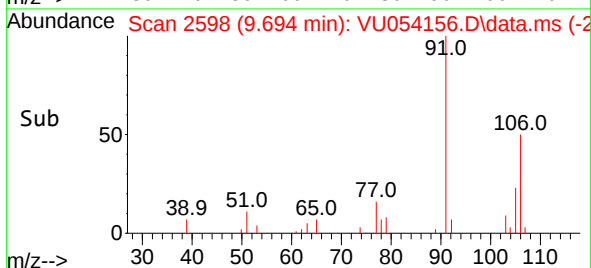
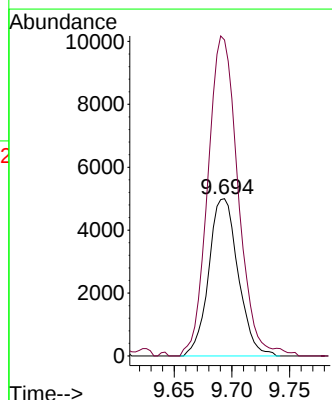
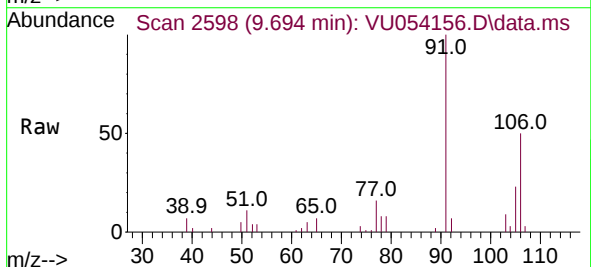
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

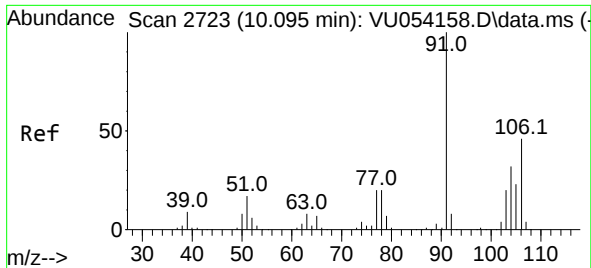
Tgt Ion: 91 Resp: 23781
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 0.394 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.006 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 106 Resp: 8860
Ion Ratio Lower Upper
106 100
91 200.8 146.3 271.7

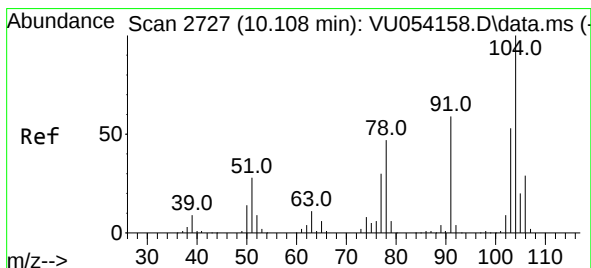
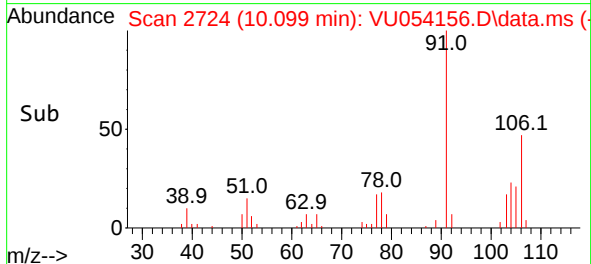
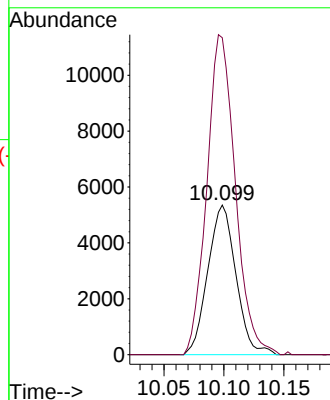
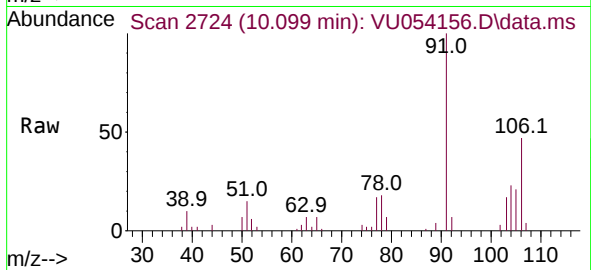




#54
o-Xylene
Concen: 0.402 ug/L
RT: 10.099 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

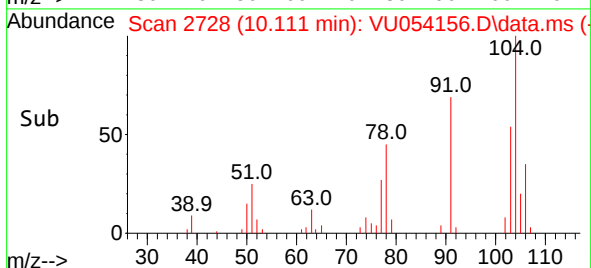
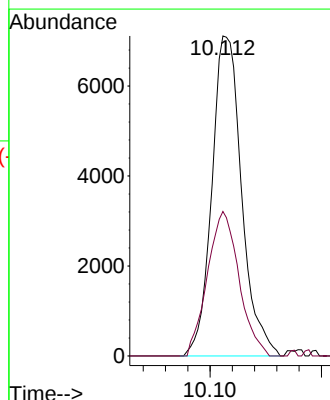
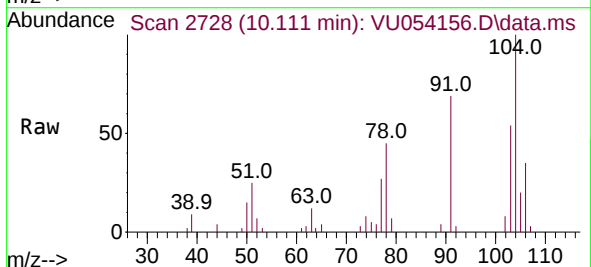
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

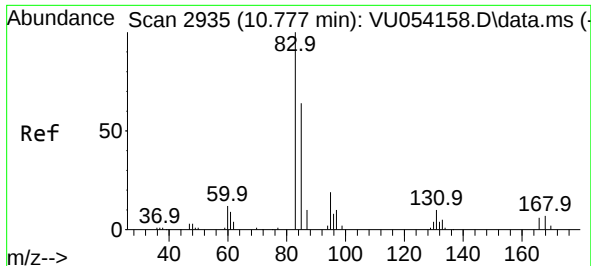
Tgt Ion:106 Resp: 8731
Ion Ratio Lower Upper
106 100
91 211.9 153.6 285.3



#55
Styrene
Concen: 0.370 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion:104 Resp: 13209
Ion Ratio Lower Upper
104 100
78 45.2 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.449 ug/L

RT: 10.780 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

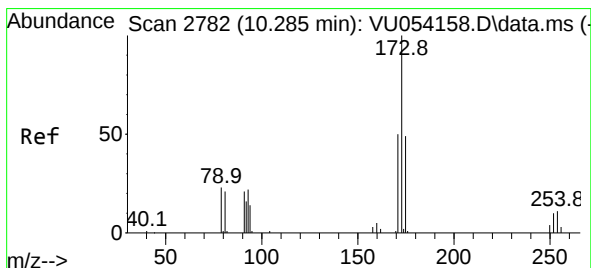
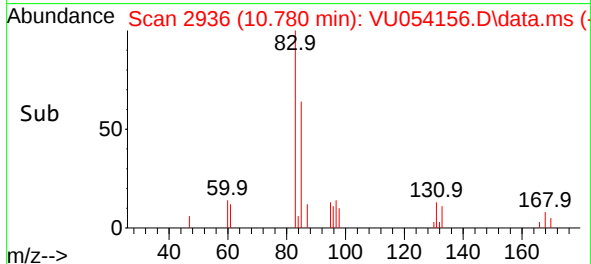
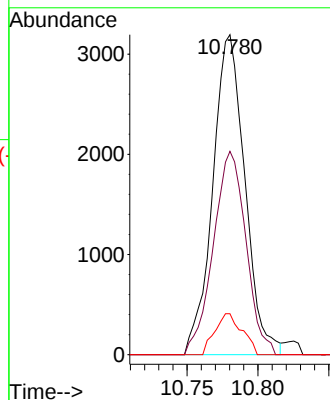
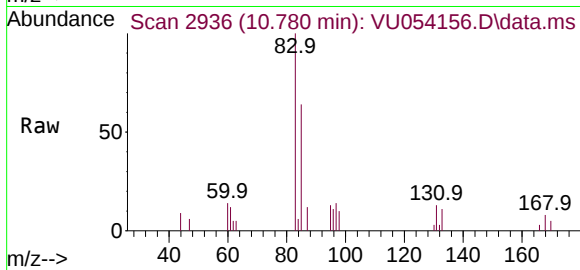
Tgt Ion: 83 Resp: 5047

Ion Ratio Lower Upper

83 100

85 63.5 44.8 83.2

131 12.8 8.1 12.1#



#59

Bromoform

Concen: 0.517 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

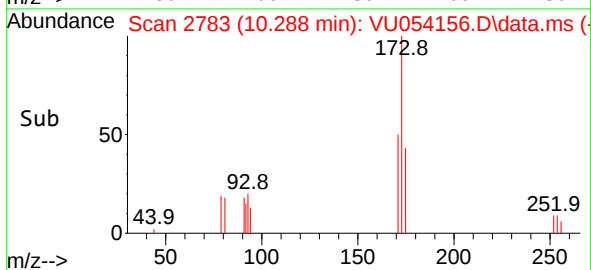
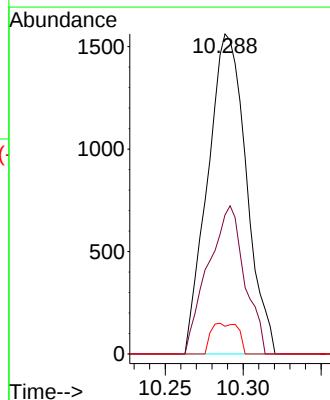
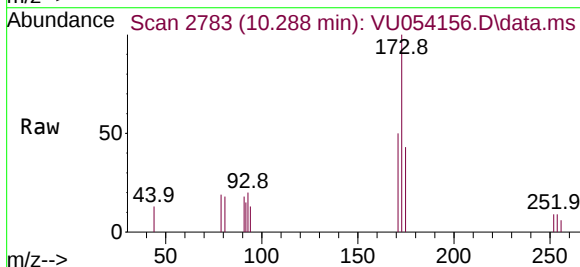
Tgt Ion:173 Resp: 2678

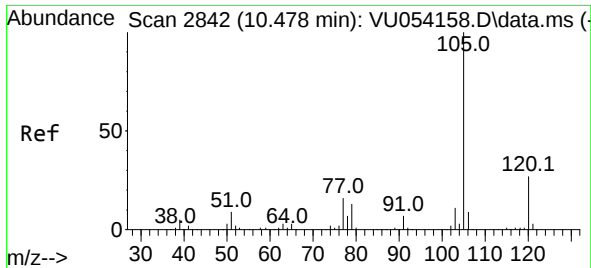
Ion Ratio Lower Upper

173 100

175 44.0 38.6 58.0

254 6.8 7.9 11.9#

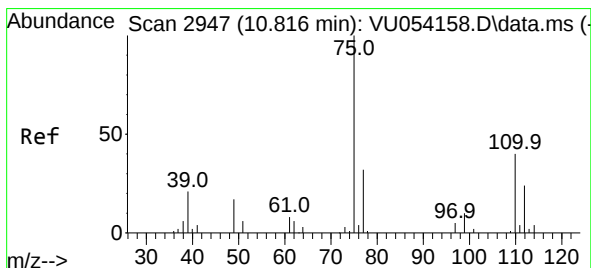
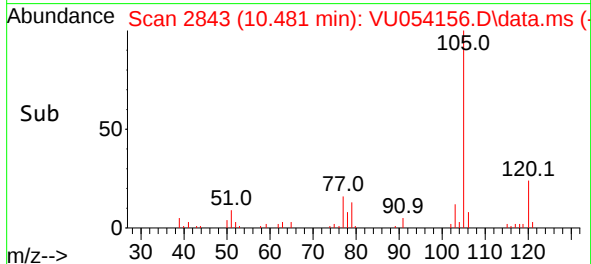
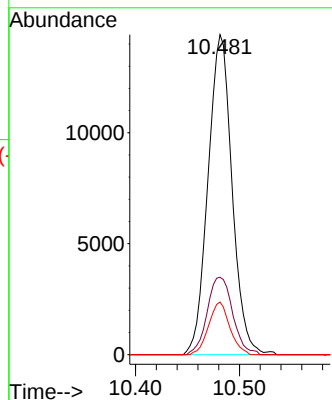
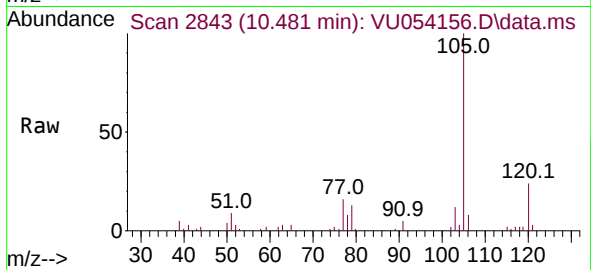




#60
Isopropylbenzene
Concen: 0.434 ug/L
RT: 10.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

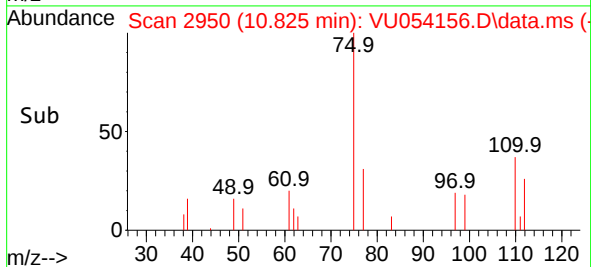
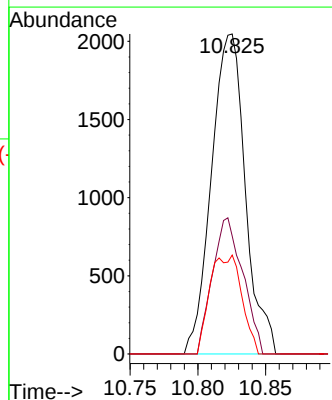
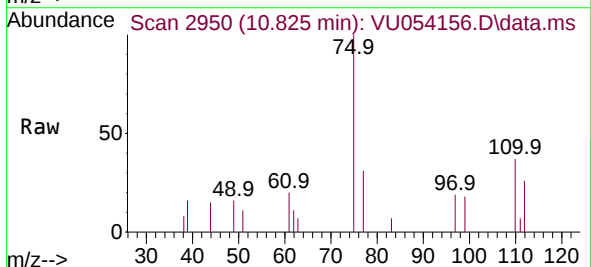
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

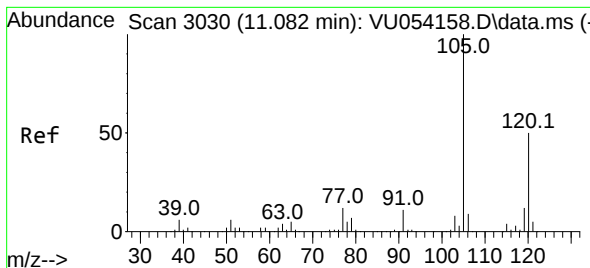
Tgt Ion:105 Resp: 23169
Ion Ratio Lower Upper
105 100
120 25.6 21.3 31.9
77 14.5 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.517 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.010 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion: 75 Resp: 3562
Ion Ratio Lower Upper
75 100
110 38.1 32.3 48.5
77 14.5 26.3 39.5#





#62

1,3,5-Trimethylbenzene

Concen: 0.413 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

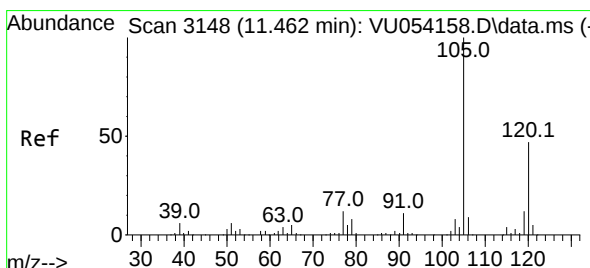
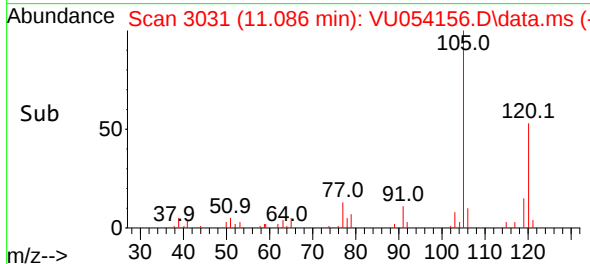
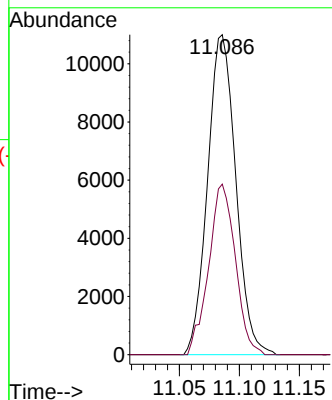
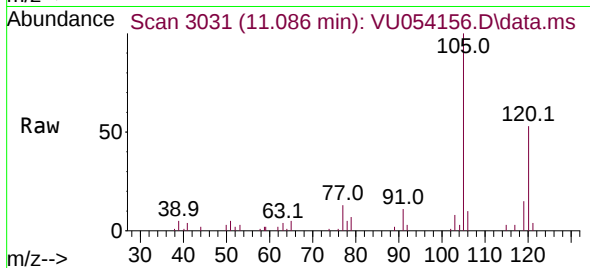
VSTD0.5025

Tgt Ion:105 Resp: 17995

Ion Ratio Lower Upper

105 100

120 50.3 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.391 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU054156.D

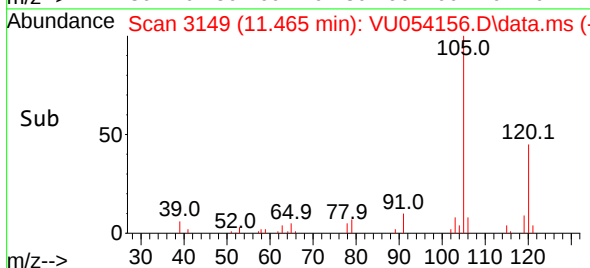
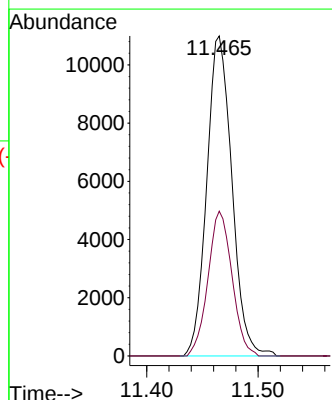
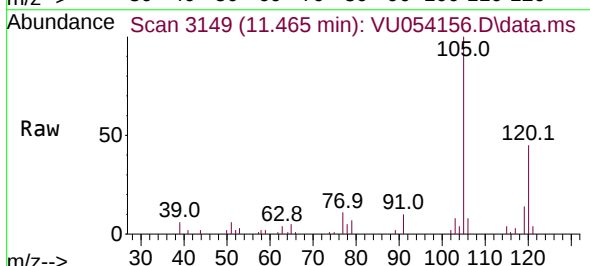
Acq: 18 May 2023 09:42

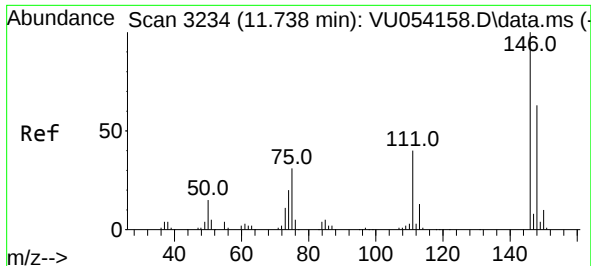
Tgt Ion:105 Resp: 17243

Ion Ratio Lower Upper

105 100

120 43.2 36.9 55.3

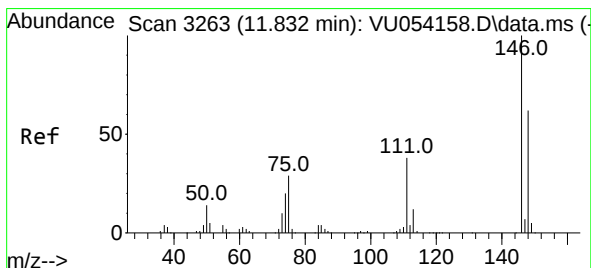
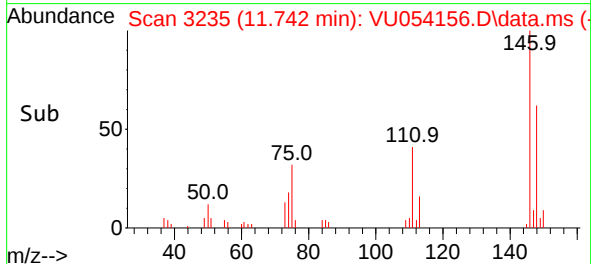
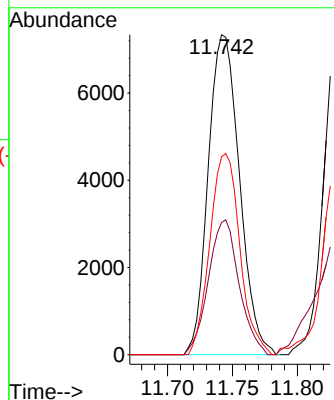
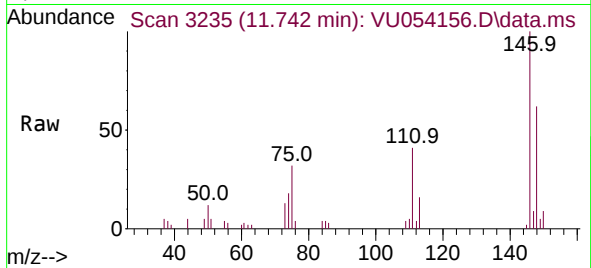




#64
1,3-Dichlorobenzene
Concen: 0.460 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

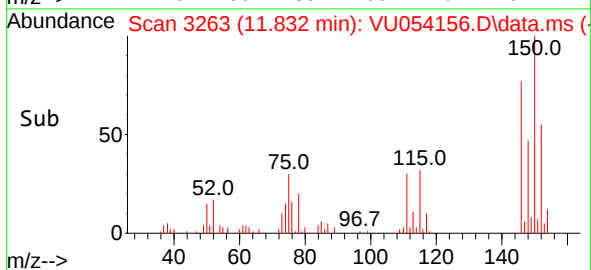
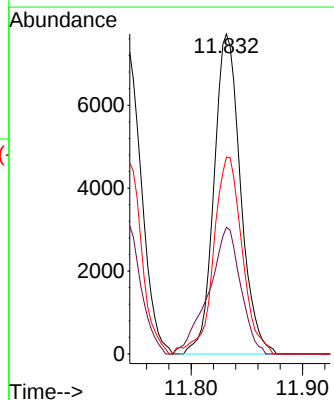
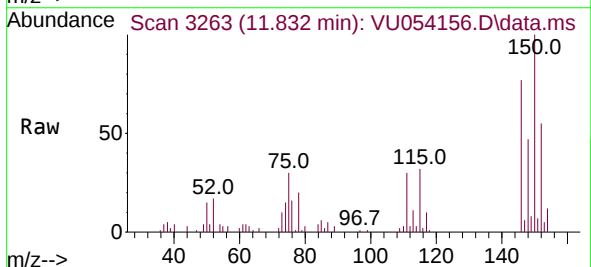
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5025

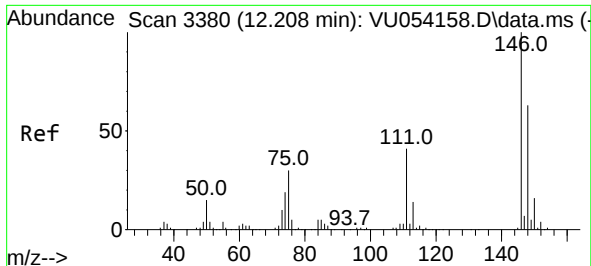
Tgt Ion:146 Resp: 12280
Ion Ratio Lower Upper
146 100
111 41.4 27.8 51.6
148 61.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 0.473 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054156.D
Acq: 18 May 2023 09:42

Tgt Ion:146 Resp: 12763
Ion Ratio Lower Upper
146 100
111 39.6 26.6 49.4
148 61.5 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.464 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

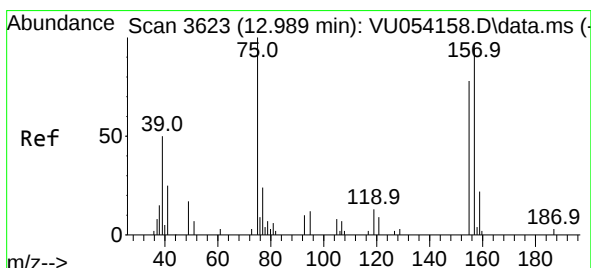
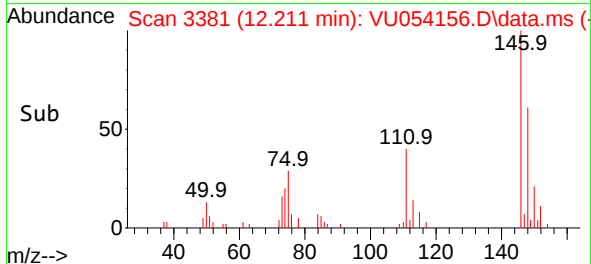
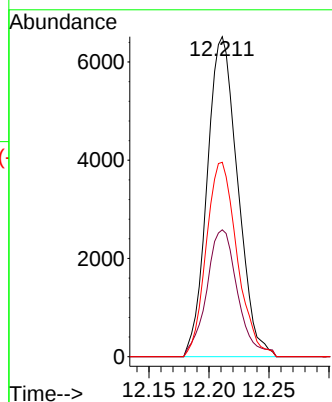
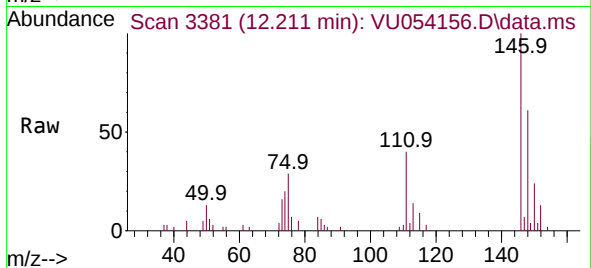
Tgt Ion:146 Resp: 11520

Ion Ratio Lower Upper

146 100

111 39.7 33.0 49.4

148 60.8 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.467 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.010 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

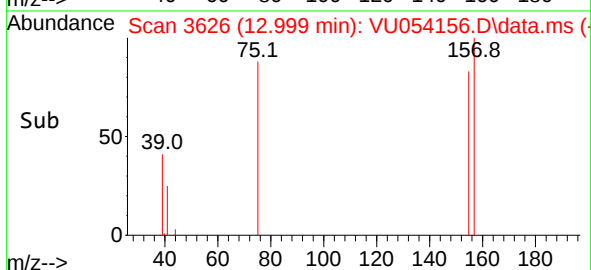
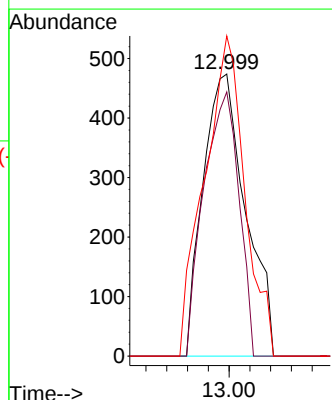
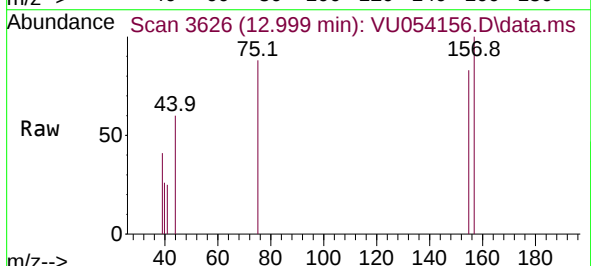
Tgt Ion: 75 Resp: 675

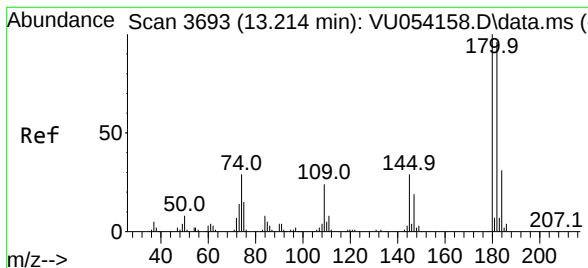
Ion Ratio Lower Upper

75 100

155 93.7 62.7 94.1

157 113.5 77.0 115.4





#69

1,3,5-Trichlorobenzene

Concen: 0.430 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

Tgt Ion:180 Resp: 8358

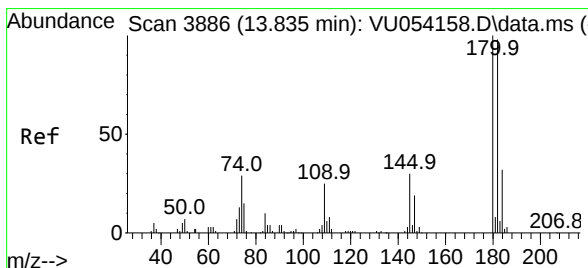
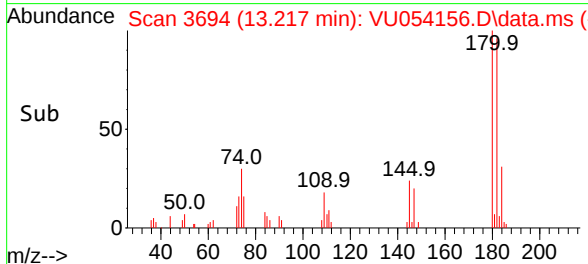
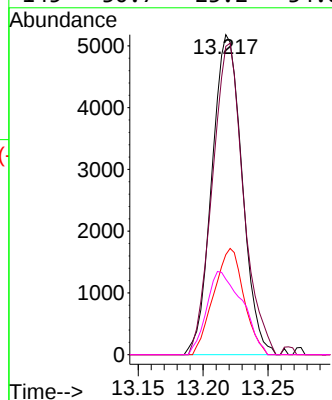
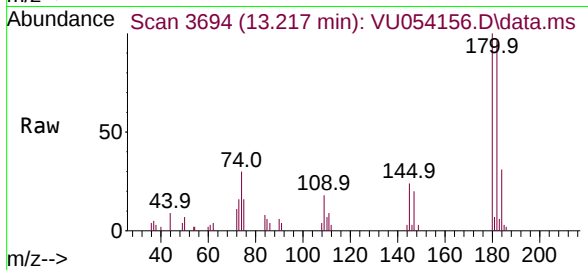
Ion Ratio Lower Upper

180 100

182 99.8 76.1 114.1

184 33.3 24.5 36.7

145 30.7 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 0.399 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

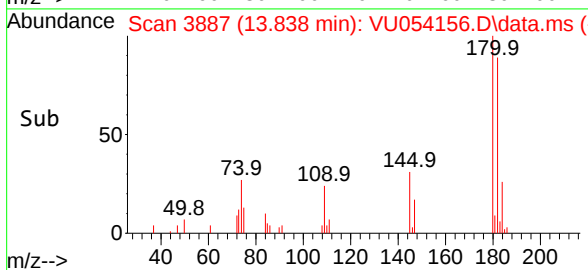
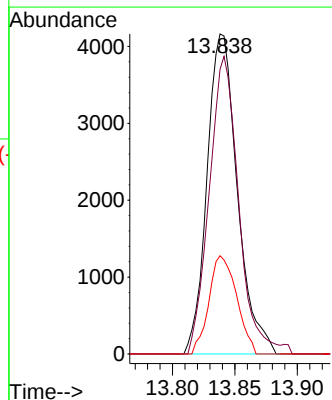
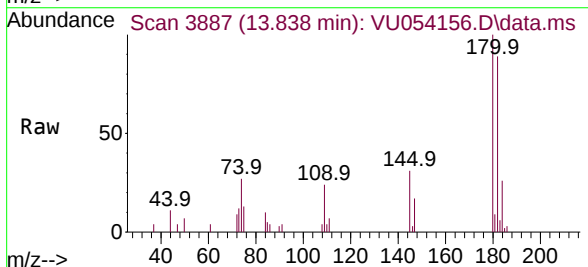
Tgt Ion:180 Resp: 7044

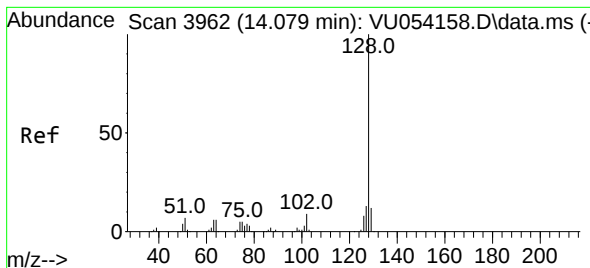
Ion Ratio Lower Upper

180 100

182 90.5 76.4 114.6

145 28.0 23.3 34.9





#71

Naphthalene

Concen: 0.277 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5025

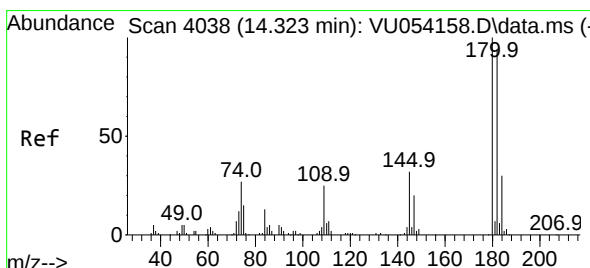
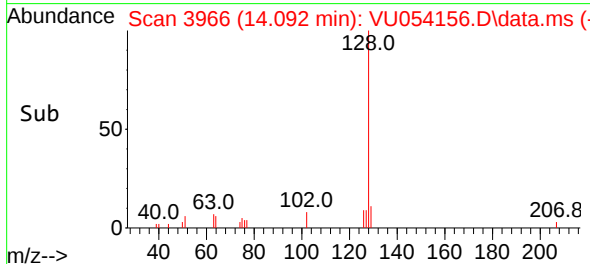
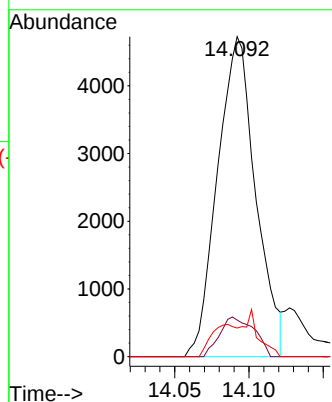
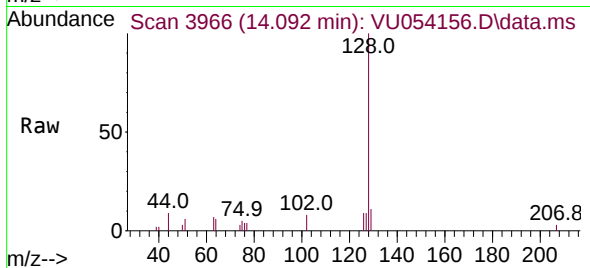
Tgt Ion:128 Resp: 8442

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 6.8 10.2 15.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.335 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU054156.D

Acq: 18 May 2023 09:42

Tgt Ion:180 Resp: 5297

Ion Ratio Lower Upper

180 100

182 99.3 76.4 114.6

145 32.3 25.1 37.7

