

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053412.D
 Acq On : 25 Mar 2023 00:01
 Operator : JC/MD
 Sample : 02092-09MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 00:44:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:39:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	139013	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	69078	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45948	4.805	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.916	69	42403	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.565	65	19822	4.866	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.633	46	119241	54.428	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.860%
24) Chloroform-d	5.060	84	94643	5.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
26) 1,2-Dichloroethane-d4	5.697	65	48150	5.300	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.723	84	190870	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.684	67	58961	5.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.893	98	181500	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.176	79	21708	4.801	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.629	63	94789	51.612	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.220%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	50226	5.121	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	64135	5.161	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47671	4.779	ug/L	98
3) Chloromethane	1.517	50	51308	5.113	ug/L	96
5) Vinyl chloride	1.604	62	59042	5.218	ug/L	97
6) Bromomethane	1.858	94	35193	4.910	ug/L	95
8) Chloroethane	1.935	64	33032	5.022	ug/L	94
9) Trichlorofluoromethane	2.138	101	79250	4.638	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	40388	4.663	ug/L	97
12) 1,1-Dichloroethene	2.578	96	37787	4.801	ug/L	95
13) Acetone	2.649	43	59409	45.694	ug/L #	49
14) Carbon disulfide	2.794	76	114308	4.948	ug/L	99
15) Methyl Acetate	2.958	43	15227	4.993	ug/L	98
16) Methylene chloride	3.044	84	43400	4.199	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	96839	5.075	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	40569	4.962	ug/L	97
19) 1,1-Dichloroethane	3.864	63	78068	5.184	ug/L	98
21) 2-Butanone	4.713	43	93280	46.206	ug/L	94
22) cis-1,2-Dichloroethene	4.662	96	47680	4.329	ug/L	96
23) Bromochloromethane	4.970	128	20473	5.251	ug/L	96
25) Chloroform	5.083	83	79708	5.145	ug/L	93

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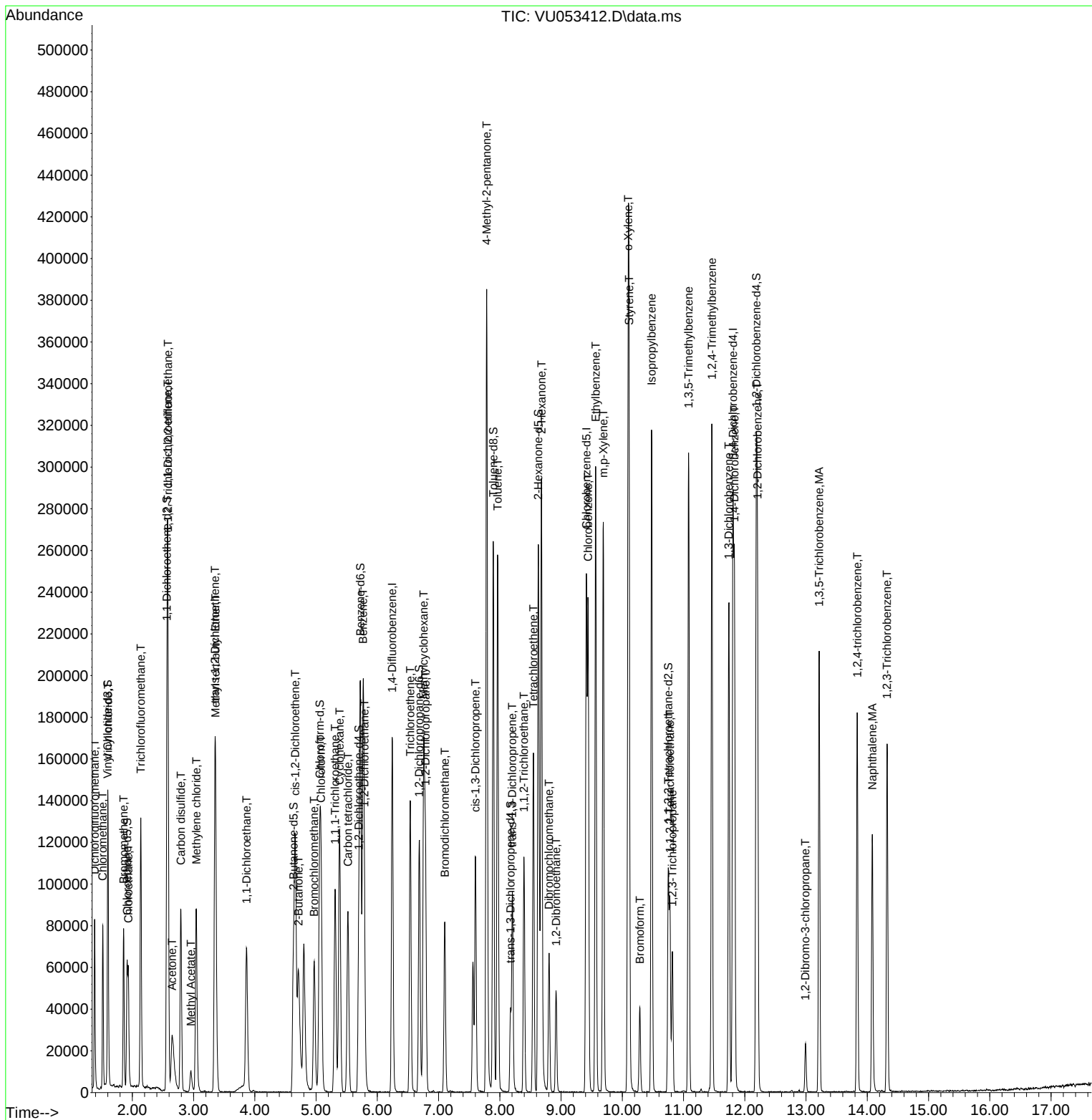
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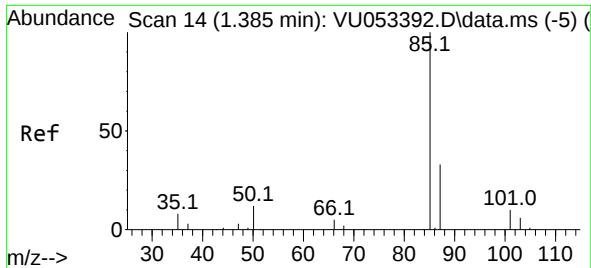
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	49755	5.127	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	67691	5.025	ug/L	98
30) Cyclohexane	5.385	56	64273	4.478	ug/L	98
31) Carbon tetrachloride	5.520	117	55154	4.839	ug/L	99
33) Benzene	5.768	78	172704	4.724	ug/L	100
34) Trichloroethene	6.539	95	46892	4.817	ug/L	97
35) Methylcyclohexane	6.758	83	69769	4.176	ug/L	97
37) 1,2-Dichloropropane	6.787	63	46772	4.845	ug/L	100
38) Bromodichloromethane	7.102	83	52401	4.888	ug/L #	98
39) cis-1,3-Dichloropropene	7.604	75	68480	4.802	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	235505	49.855	ug/L	99
42) Toluene	7.964	91	194381	4.866	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	56842	4.899	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	34255	4.998	ug/L	93
47) Tetrachloroethene	8.549	164	32644	4.564	ug/L	97
48) 2-Hexanone	8.681	43	178520	51.110	ug/L	99
49) Dibromochloromethane	8.803	129	33260	4.907	ug/L	92
50) 1,2-Dibromoethane	8.919	107	33413	5.047	ug/L #	99
51) Chlorobenzene	9.443	112	124104	4.926	ug/L	99
52) Ethylbenzene	9.565	91	213683	4.907	ug/L	99
53) m,p-Xylene	9.690	106	81472	4.909	ug/L	95
54) o-Xylene	10.095	106	79263	5.033	ug/L	98
55) Styrene	10.112	104	129346	5.002	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	42815	4.947	ug/L	99
59) Bromoform	10.288	173	17692	4.974	ug/L	94
60) Isopropylbenzene	10.478	105	210130	5.008	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	29903	5.225	ug/L	96
62) 1,3,5-Trimethylbenzene	11.083	105	171037	5.024	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	175094	5.021	ug/L	98
64) 1,3-Dichlorobenzene	11.739	146	95061	5.153	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	93281	5.036	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	88711	5.073	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	5770	5.199	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.214	180	62114	4.823	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	52708	5.148	ug/L	100
71) Naphthalene	14.082	128	104605	5.423	ug/L	97
72) 1,2,3-Trichlorobenzene	14.324	180	48465	5.423	ug/L	99

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

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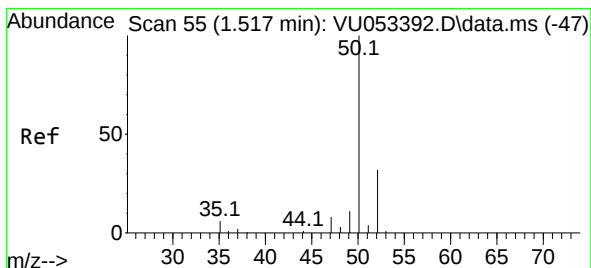
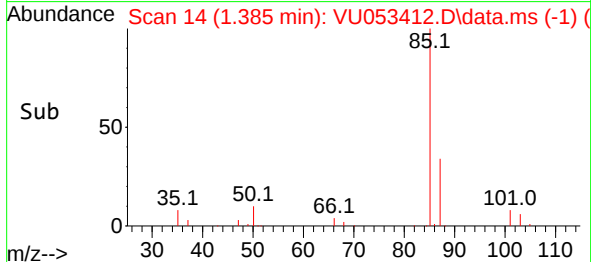
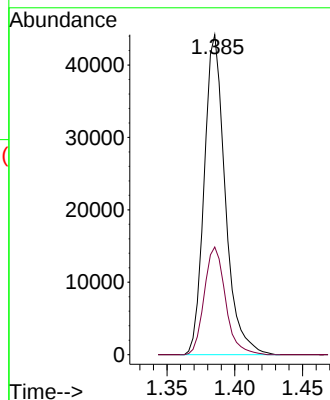
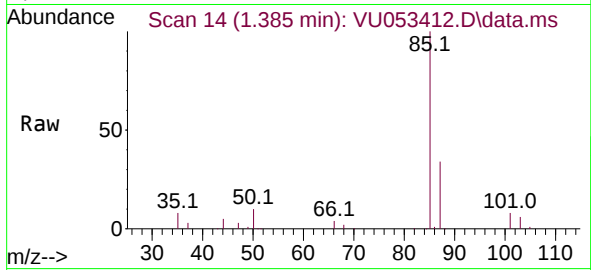




#2
Dichlorodifluoromethane
Concen: 4.779 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

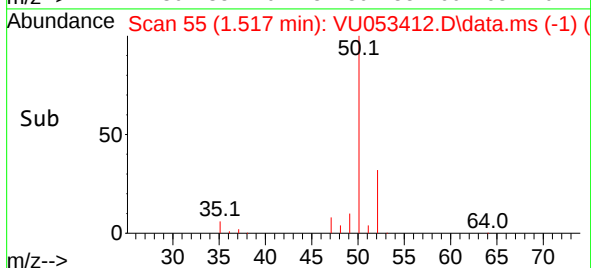
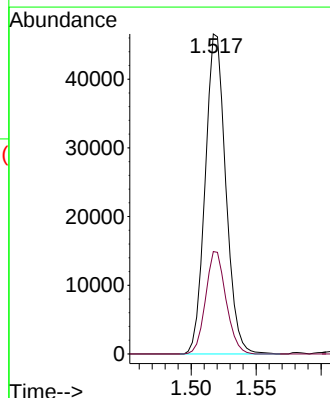
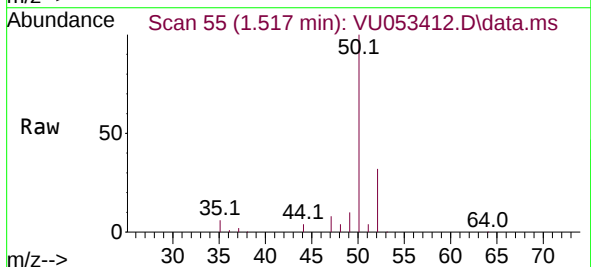
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MSVOA_U
ClientSampleId :

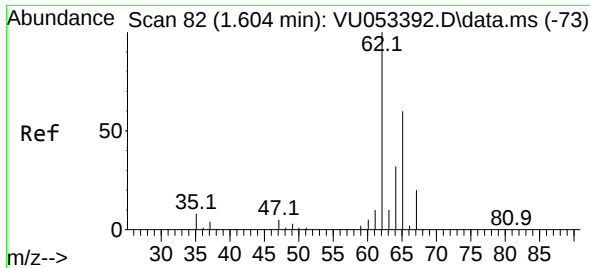
Tgt Ion: 85 Resp: 47671
Ion Ratio Lower Upper
85 100
87 34.0 26.1 39.1



#3
Chloromethane
Concen: 5.113 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 50 Resp: 51308
Ion Ratio Lower Upper
50 100
52 32.0 23.9 44.3

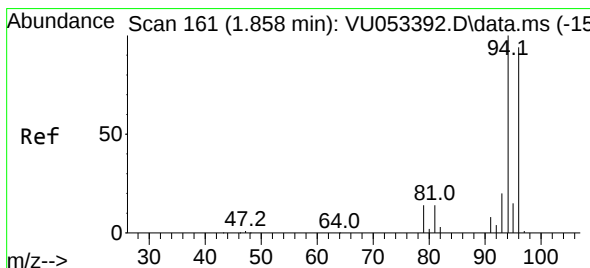
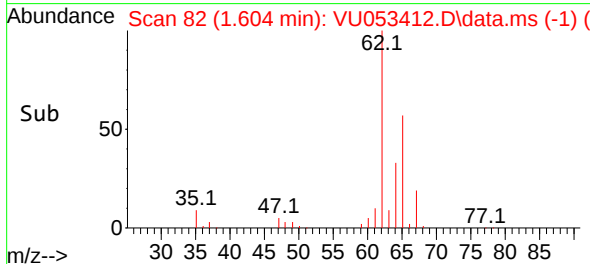
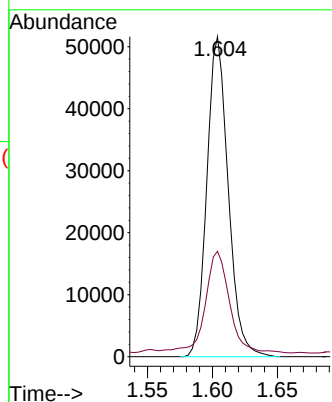
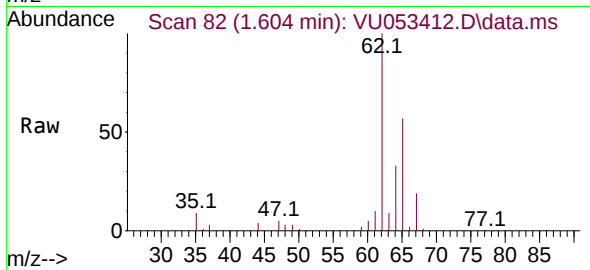




#5
 Vinyl chloride
 Concen: 5.218 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

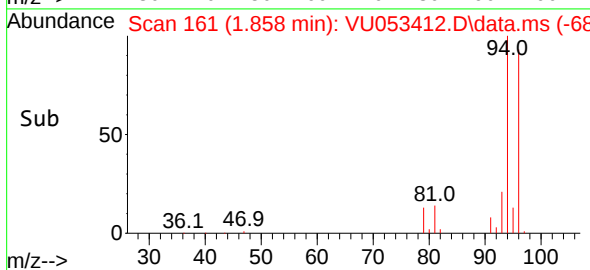
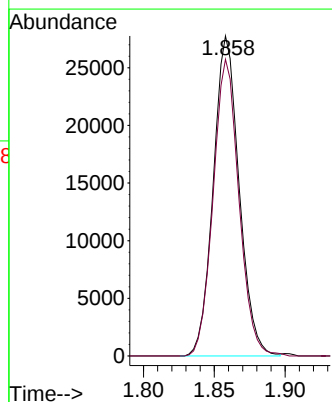
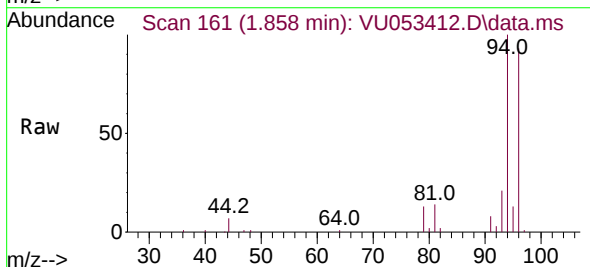
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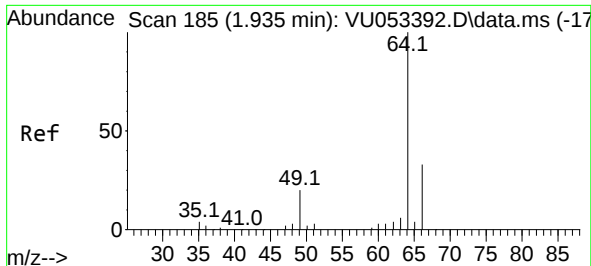
Tgt Ion: 62 Resp: 59042
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.1 44.7



#6
 Bromomethane
 Concen: 4.910 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

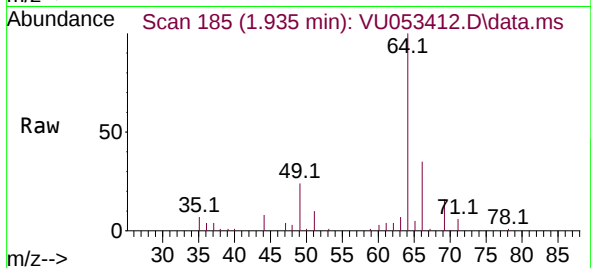
Tgt Ion: 94 Resp: 35193
 Ion Ratio Lower Upper
 94 100
 96 92.7 68.3 126.8



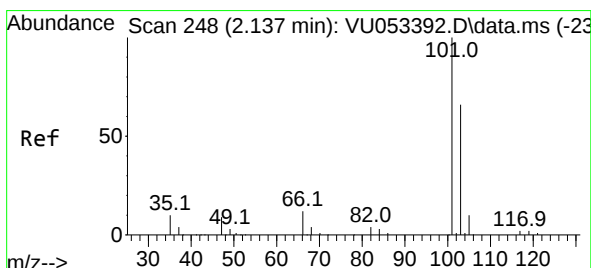
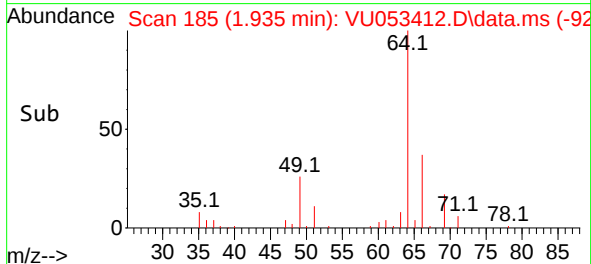
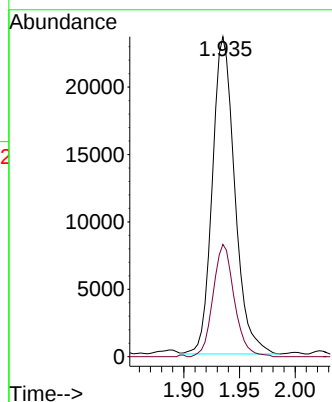


#8
Chloroethane
Concen: 5.022 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Instrument :
MSVOA_U
ClientSampleId :

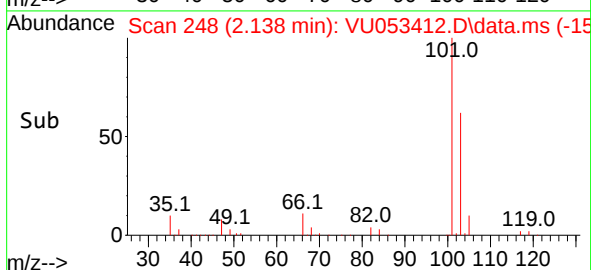
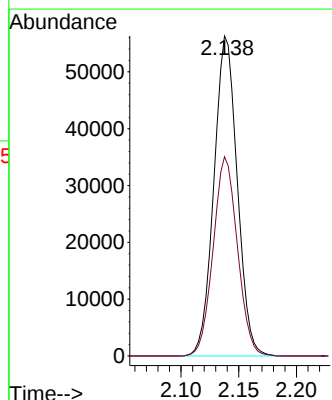
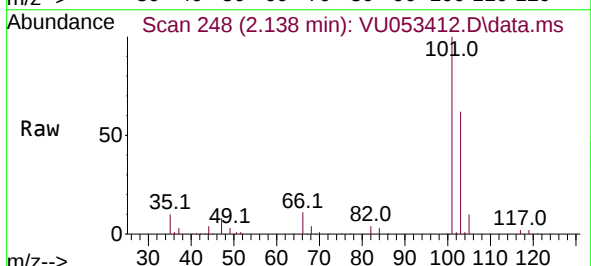


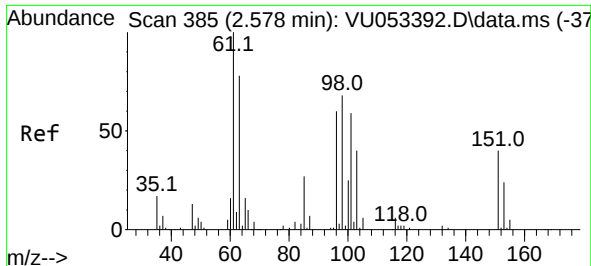
Tgt Ion: 64 Resp: 33032
Ion Ratio Lower Upper
64 100
66 35.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.638 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion:101 Resp: 79250
Ion Ratio Lower Upper
101 100
103 64.6 50.2 75.2

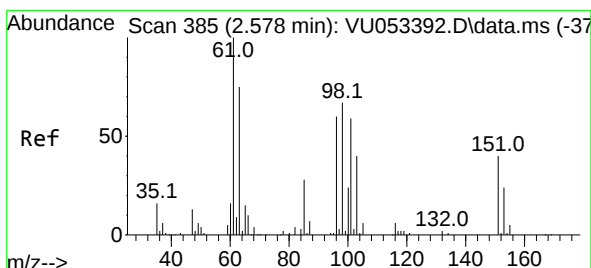
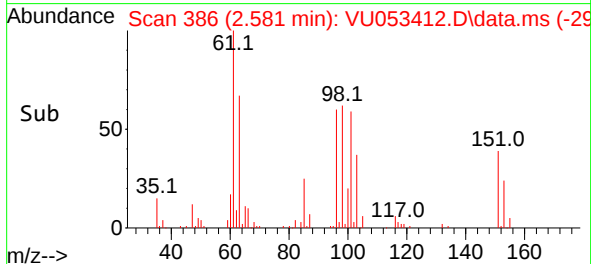
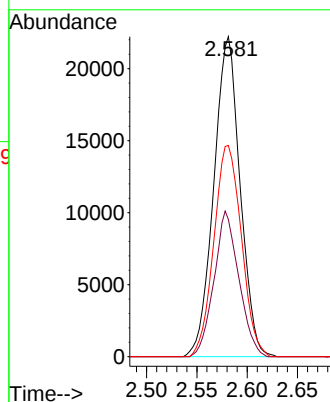
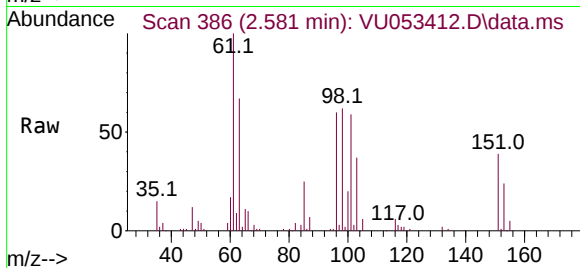




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.663 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

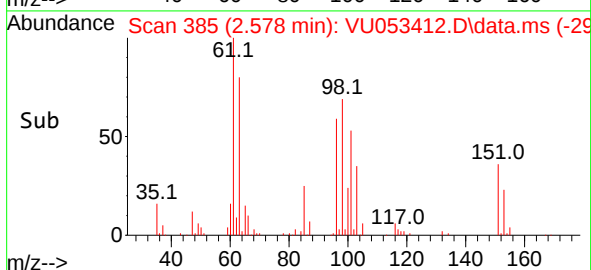
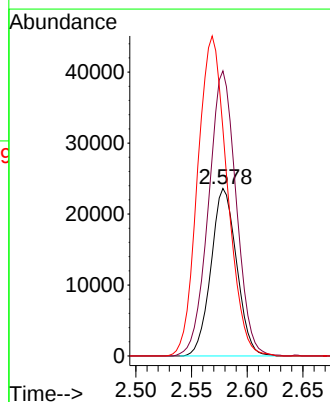
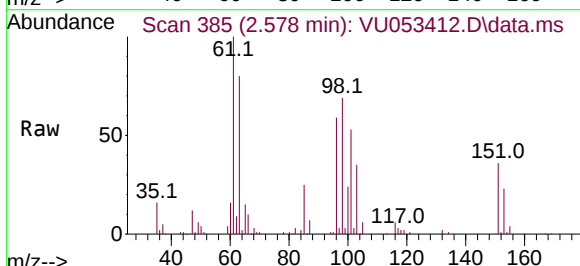
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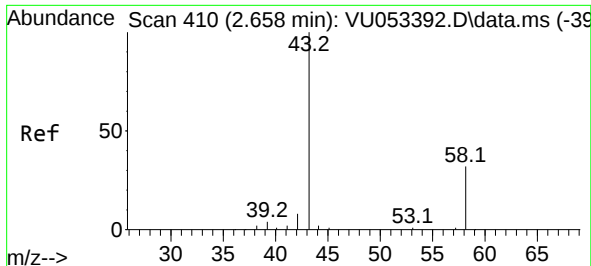
Tgt Ion:101 Resp: 40388
 Ion Ratio Lower Upper
 101 100
 85 42.9 37.0 55.4
 151 69.1 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 4.801 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

Tgt Ion: 96 Resp: 37787
 Ion Ratio Lower Upper
 96 100
 61 170.2 116.8 216.8
 63 135.4 88.6 164.6





#13

Acetone

Concen: 45.694 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.009 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

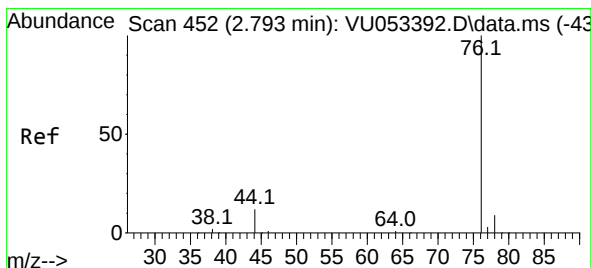
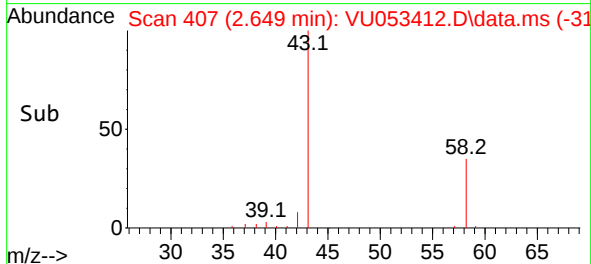
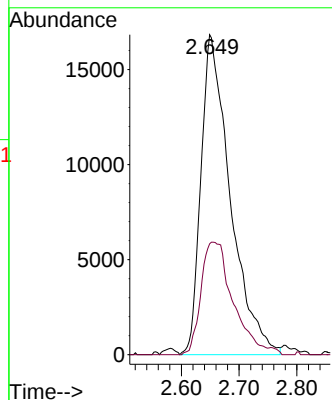
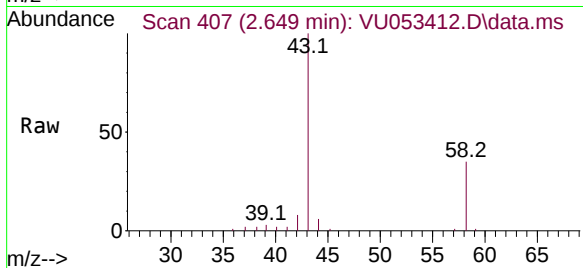
ClientSampleId :

Tgt Ion: 43 Resp: 59409

Ion Ratio Lower Upper

43 100

58 37.9 0.0 32.2#



#14

Carbon disulfide

Concen: 4.948 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053412.D

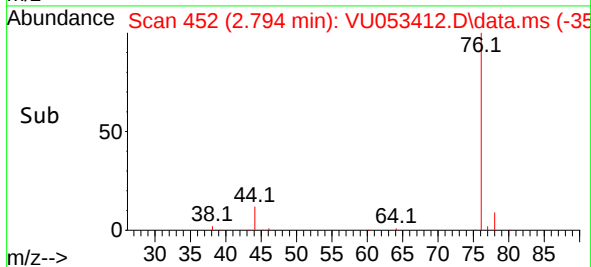
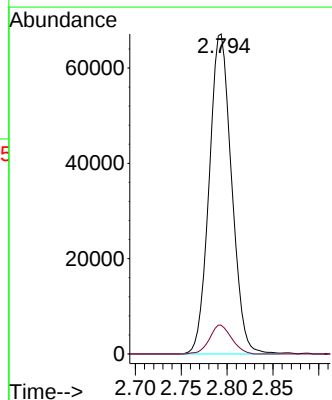
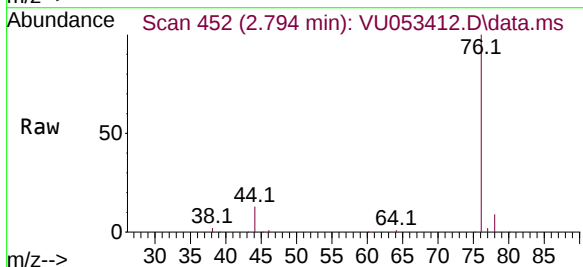
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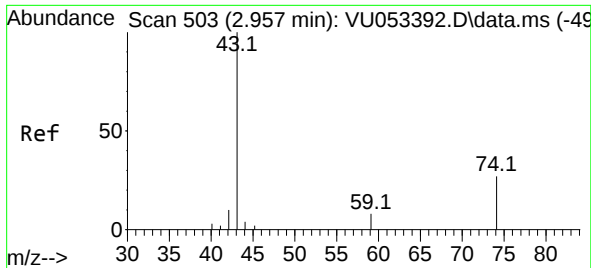
Tgt Ion: 76 Resp: 114308

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

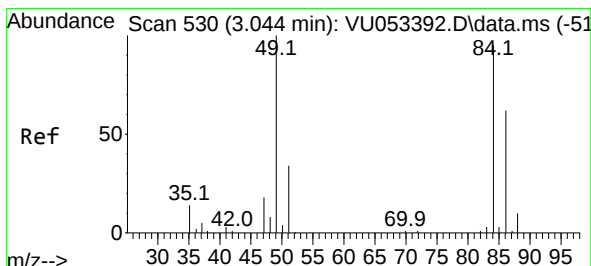
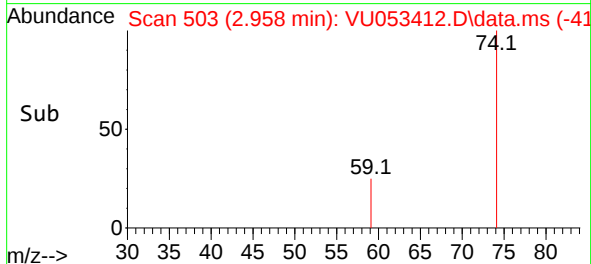
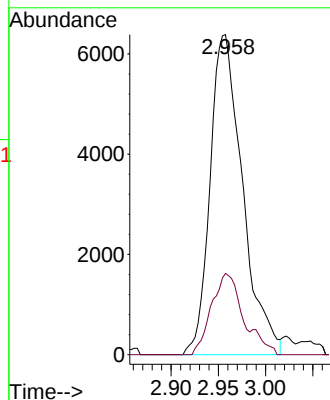
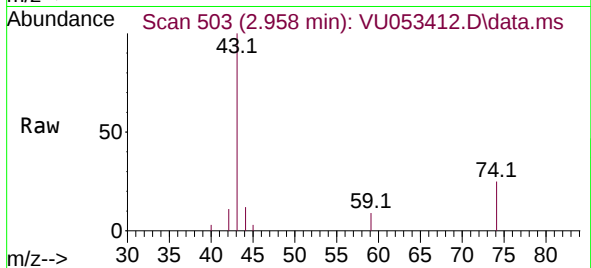




#15
Methyl Acetate
Concen: 4.993 ug/L
RT: 2.958 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

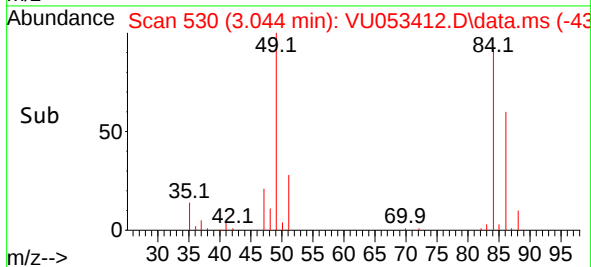
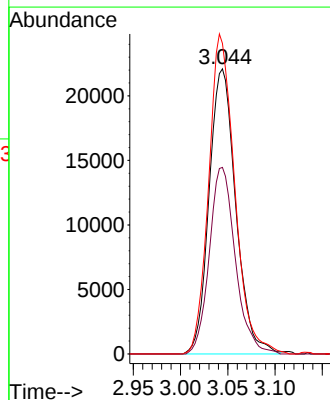
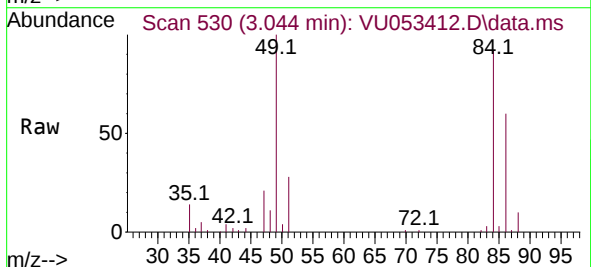
Instrument :
MSVOA_U
ClientSampleId :

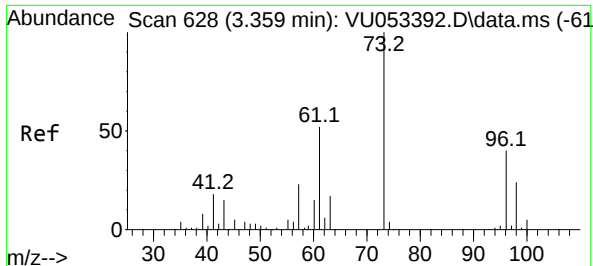
Tgt Ion: 43 Resp: 15227
Ion Ratio Lower Upper
43 100
74 25.2 20.8 31.2



#16
Methylene chloride
Concen: 4.199 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 84 Resp: 43400
Ion Ratio Lower Upper
84 100
86 65.4 44.7 83.1
49 108.9 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.075 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

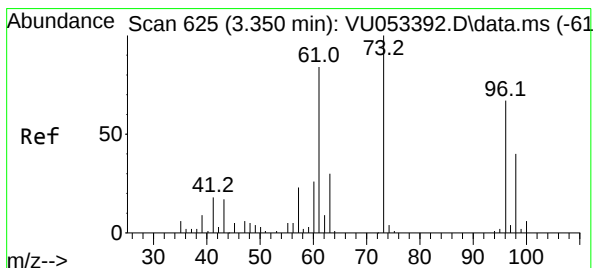
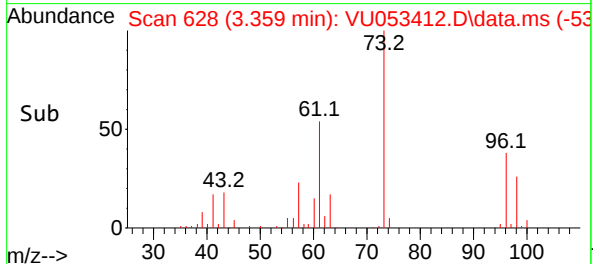
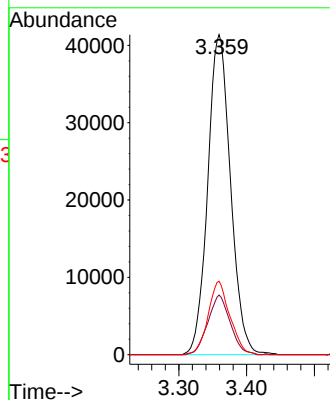
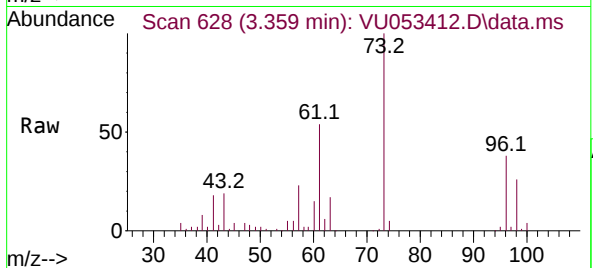
Tgt Ion: 73 Resp: 96839

Ion Ratio Lower Upper

73 100

43 18.3 13.9 20.9

57 21.8 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.962 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

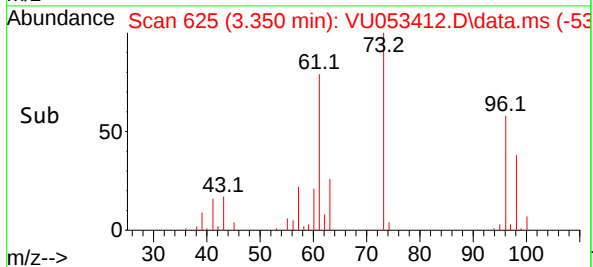
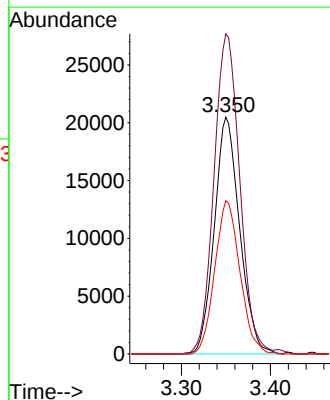
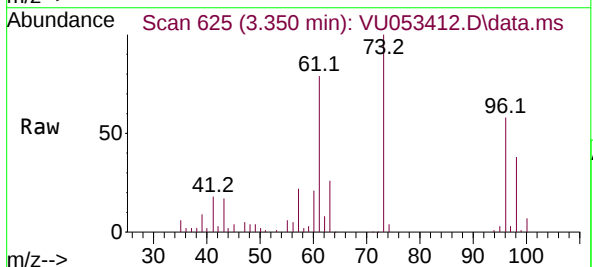
Tgt Ion: 96 Resp: 40569

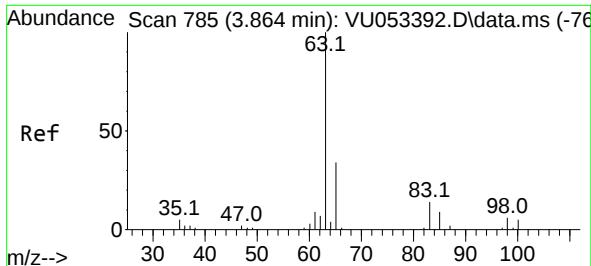
Ion Ratio Lower Upper

96 100

61 135.1 95.5 177.3

98 64.7 42.2 78.4

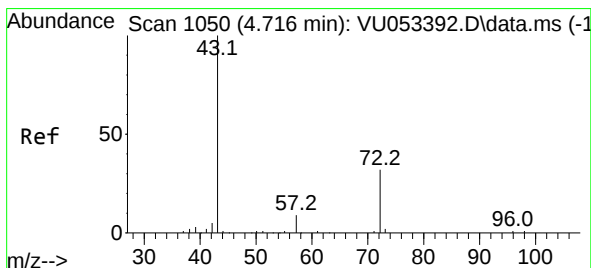
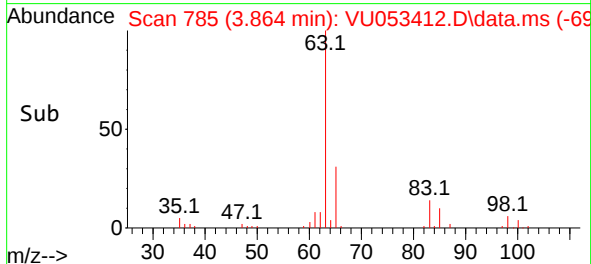
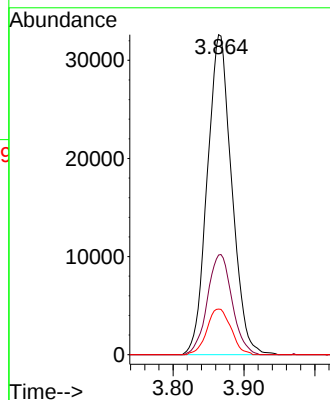
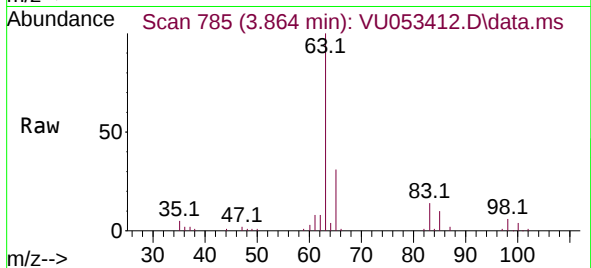




#19
1,1-Dichloroethane
Concen: 5.184 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

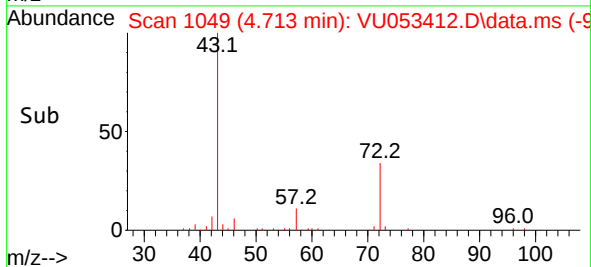
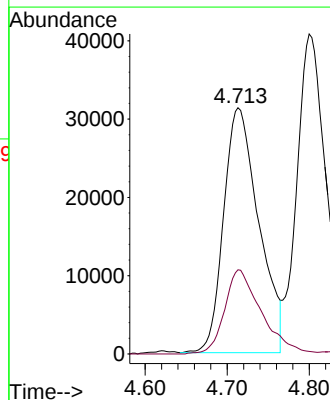
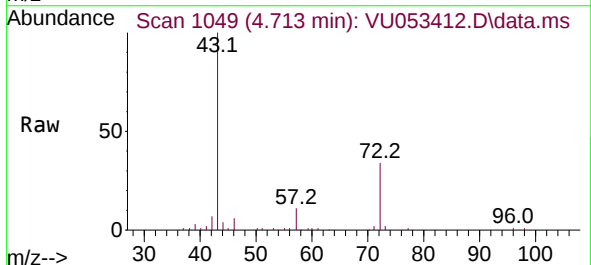
Instrument :
MSVOA_U
ClientSampleId :

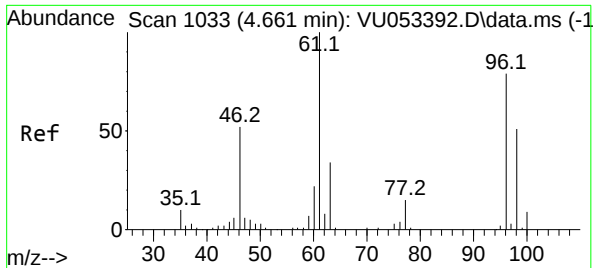
Tgt Ion: 63 Resp: 78068
Ion Ratio Lower Upper
63 100
65 31.2 21.7 40.3
83 14.2 8.1 15.1



#21
2-Butanone
Concen: 46.206 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

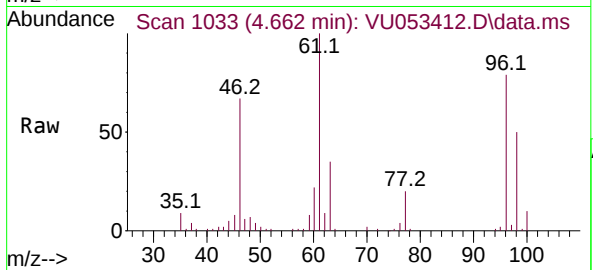
Tgt Ion: 43 Resp: 93280
Ion Ratio Lower Upper
43 100
72 36.0 16.2 48.6





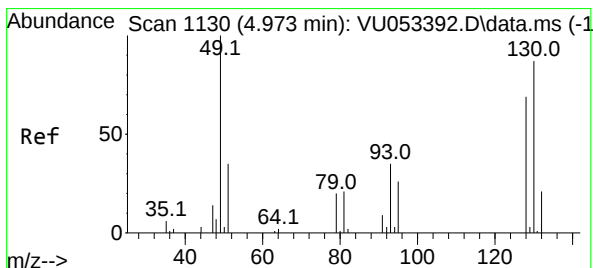
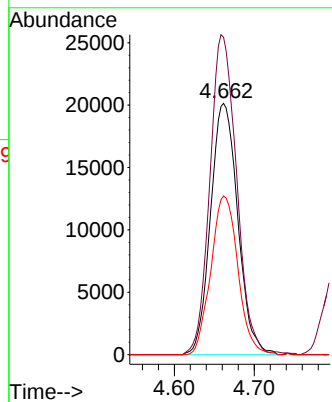
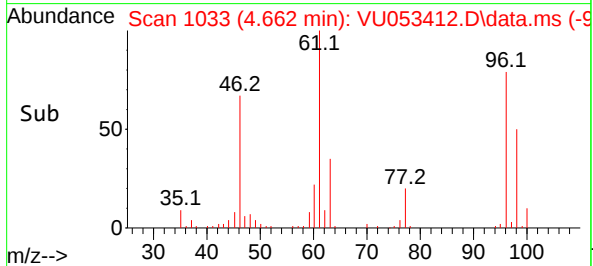
#22
cis-1,2-Dichloroethene
Concen: 4.329 ug/L
RT: 4.662 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 47680

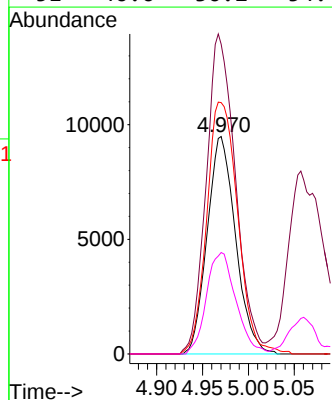
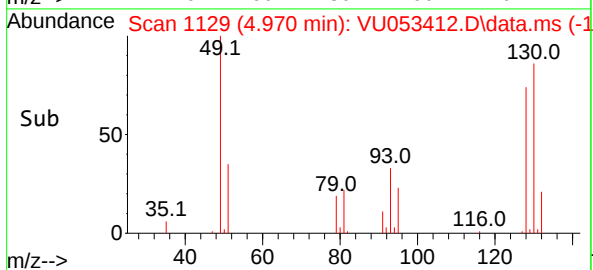
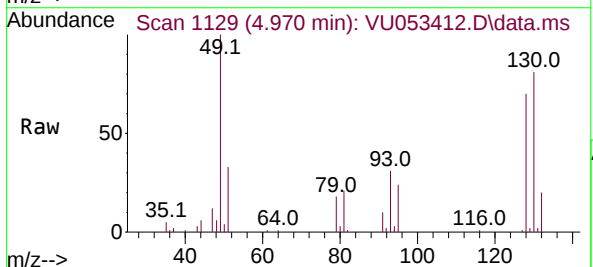
Ion	Ratio	Lower	Upper
96	100		
61	126.3	86.6	160.8
98	63.1	47.7	88.5

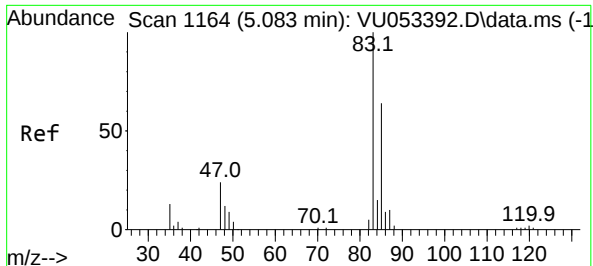


#23
Bromochloromethane
Concen: 5.251 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion:128 Resp: 20473

Ion	Ratio	Lower	Upper
128	100		
49	142.4	102.8	190.8
130	115.6	85.1	158.1
51	46.6	36.2	54.4





#25

Chloroform

Concen: 5.145 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

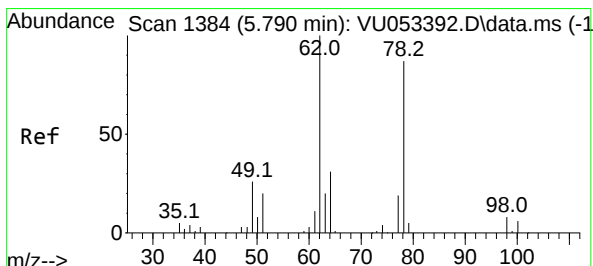
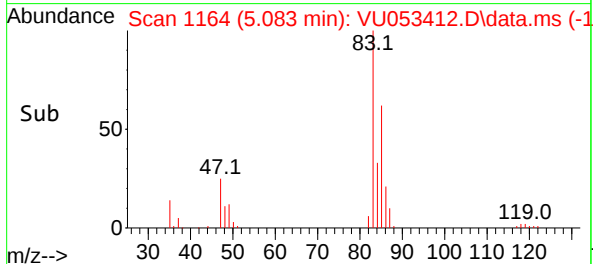
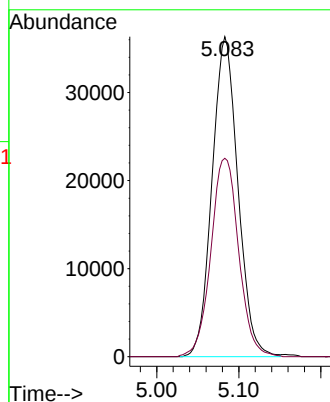
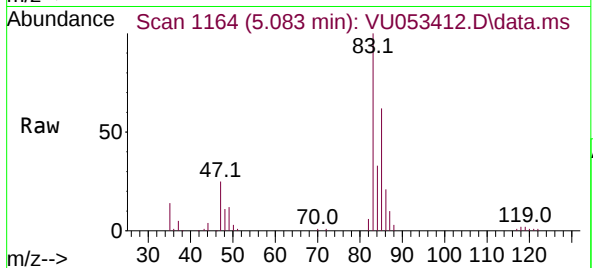
ClientSampleId :

Tgt Ion: 83 Resp: 79708

Ion Ratio Lower Upper

83 100

85 62.0 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.127 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053412.D

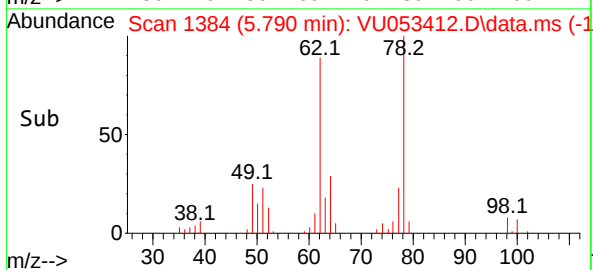
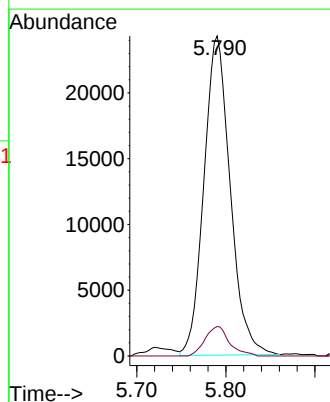
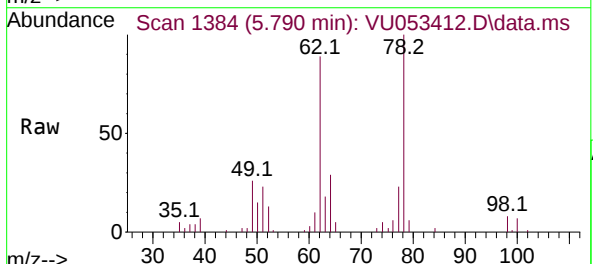
Acq: 25 Mar 2023 00:01

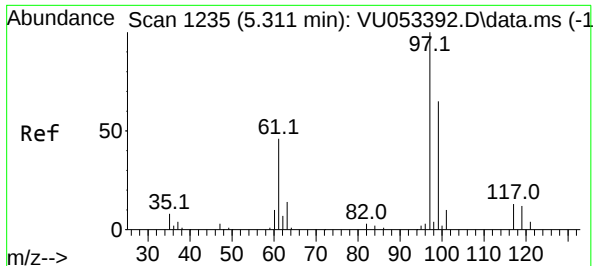
Tgt Ion: 62 Resp: 49755

Ion Ratio Lower Upper

62 100

98 9.2 6.4 9.6

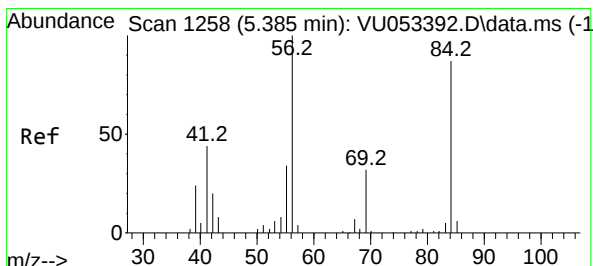
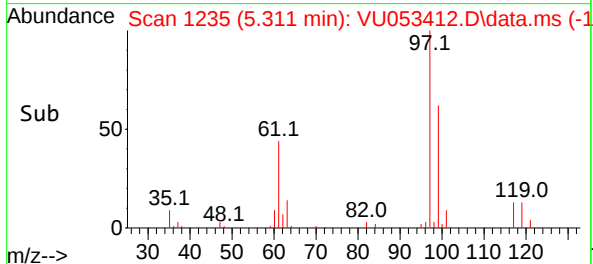
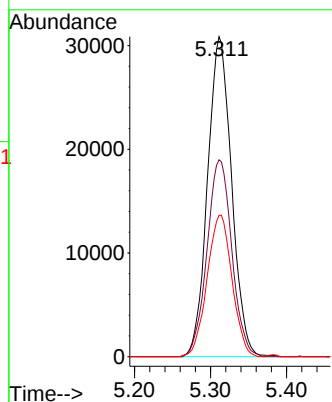
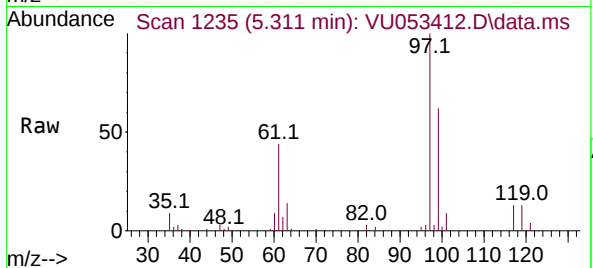




#29
1,1,1-Trichloroethane
Concen: 5.025 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

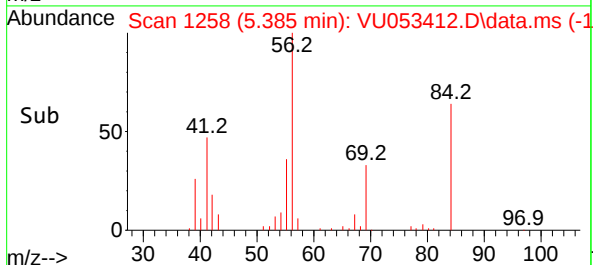
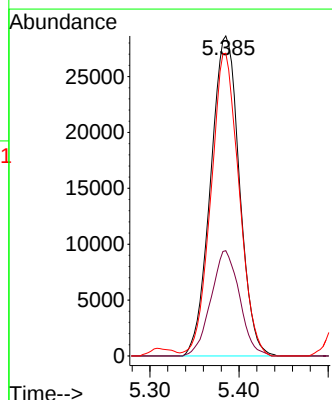
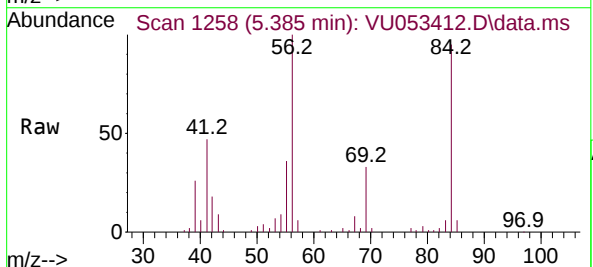
Instrument :
MSVOA_U
ClientSampleId :

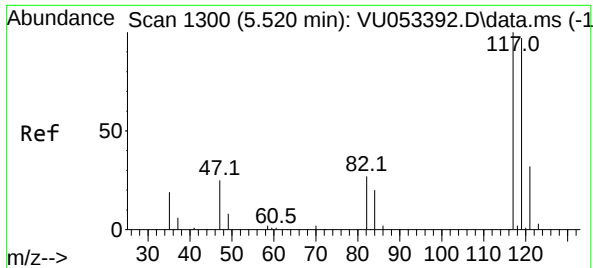
Tgt Ion: 97 Resp: 67691
Ion Ratio Lower Upper
97 100
99 63.5 49.9 74.9
61 45.7 35.7 53.5



#30
Cyclohexane
Concen: 4.478 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 56 Resp: 64273
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 92.3 75.6 113.4

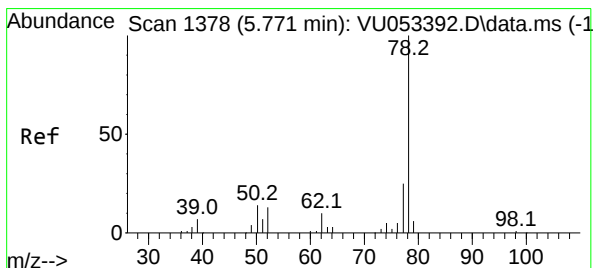
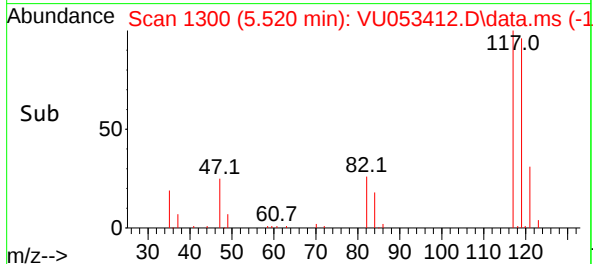
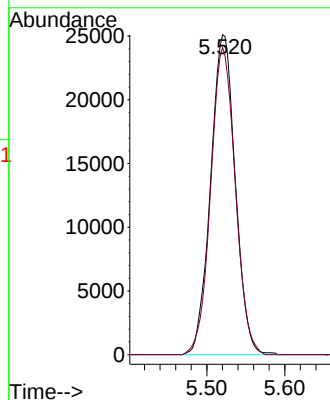
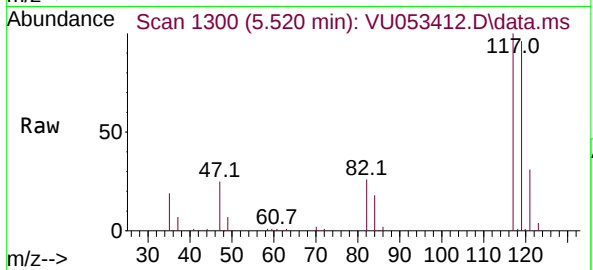




#31
Carbon tetrachloride
Concen: 4.839 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

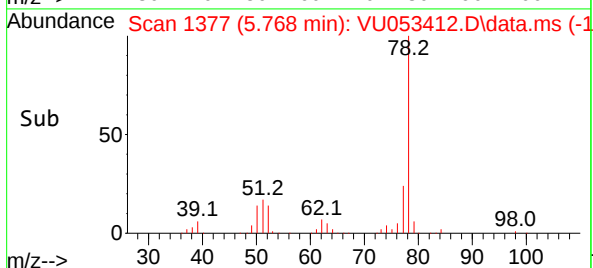
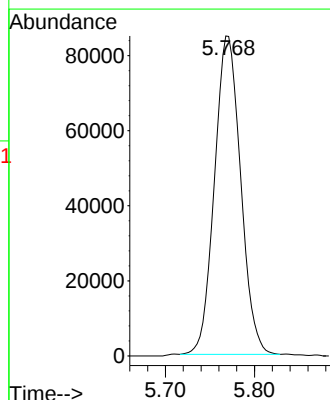
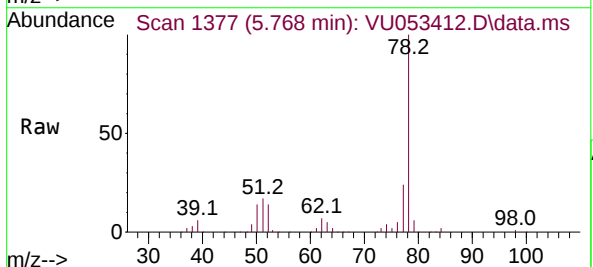
Instrument :
MSVOA_U
ClientSampleId :

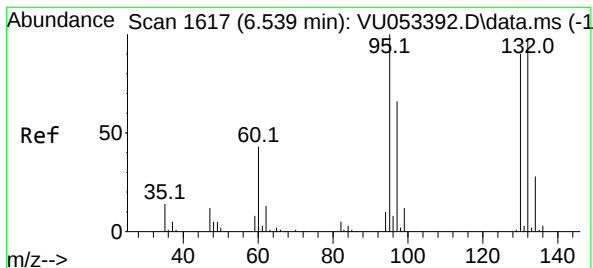
Tgt Ion:117 Resp: 55154
Ion Ratio Lower Upper
117 100
119 95.6 77.7 116.5



#33
Benzene
Concen: 4.724 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 78 Resp: 172704





#34

Trichloroethene

Concen: 4.817 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 46892

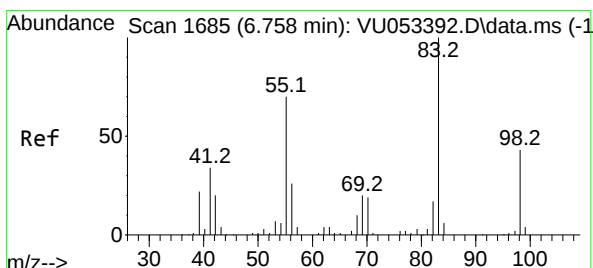
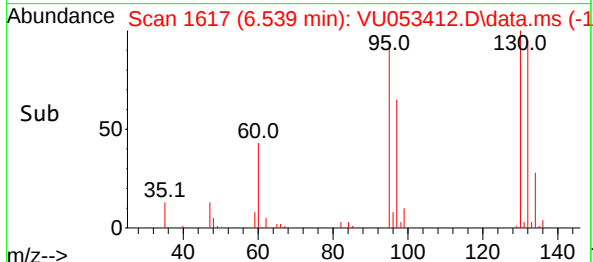
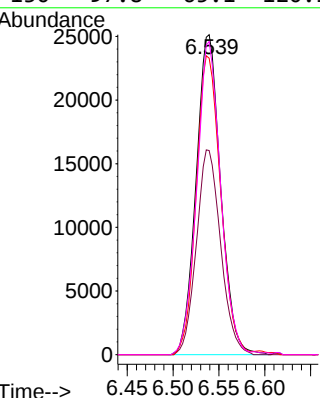
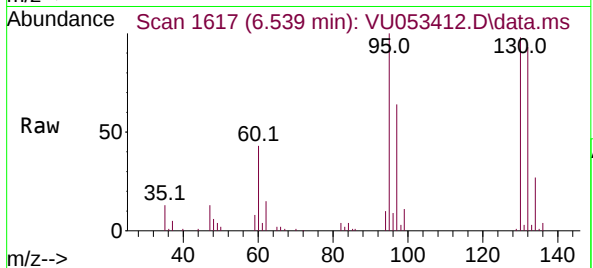
Ion Ratio Lower Upper

95 100

97 63.8 45.3 84.1

132 92.6 62.8 116.6

130 97.8 65.1 120.9



#35

Methylcyclohexane

Concen: 4.176 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

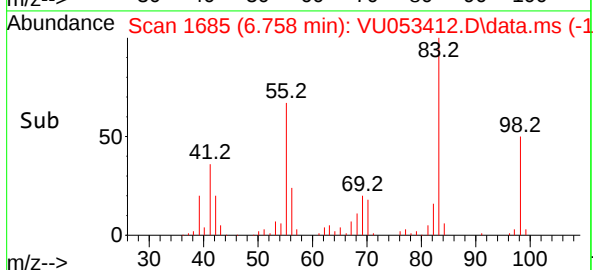
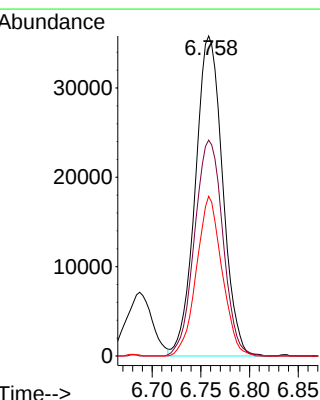
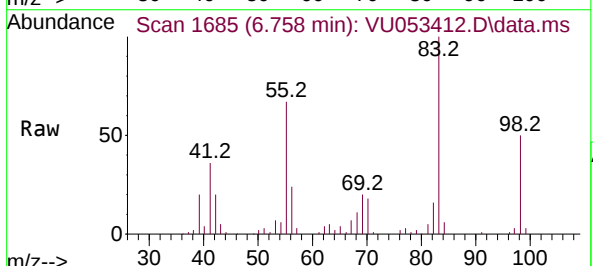
Tgt Ion: 83 Resp: 69769

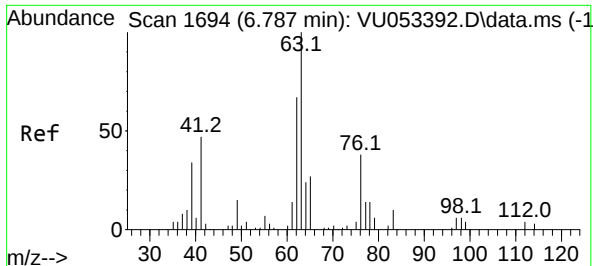
Ion Ratio Lower Upper

83 100

55 70.0 54.9 82.3

98 46.7 34.9 52.3





#37

1,2-Dichloropropane

Concen: 4.845 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

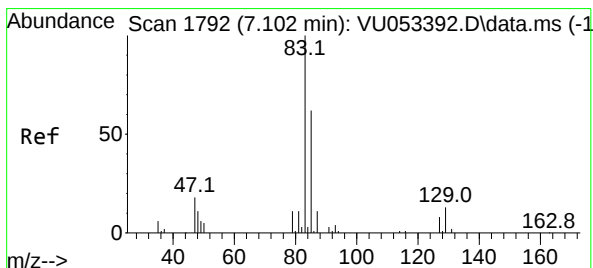
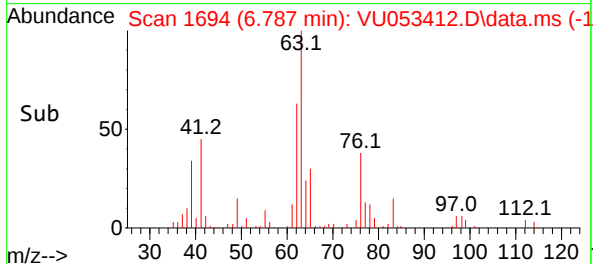
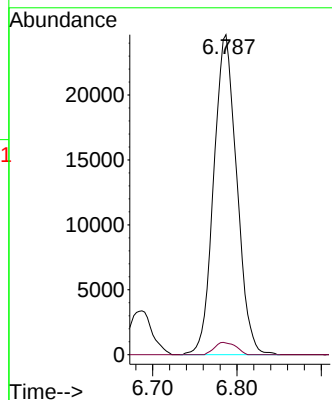
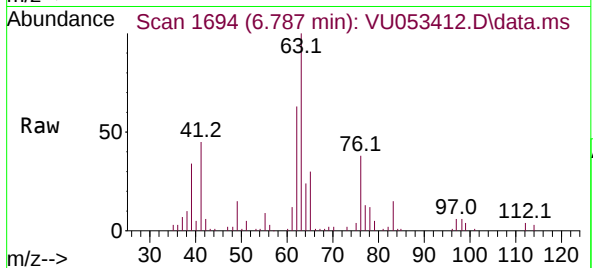
ClientSampleId :

Tgt Ion: 63 Resp: 46772

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



#38

Bromodichloromethane

Concen: 4.888 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

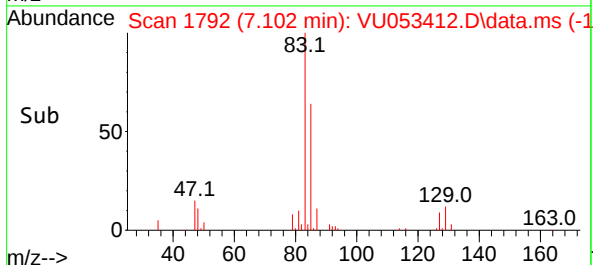
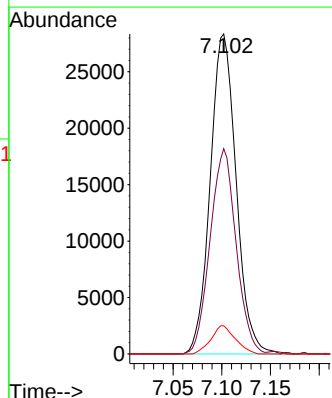
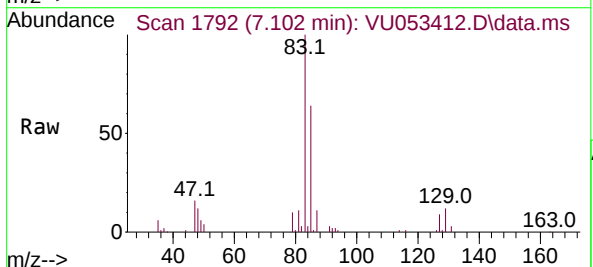
Tgt Ion: 83 Resp: 52401

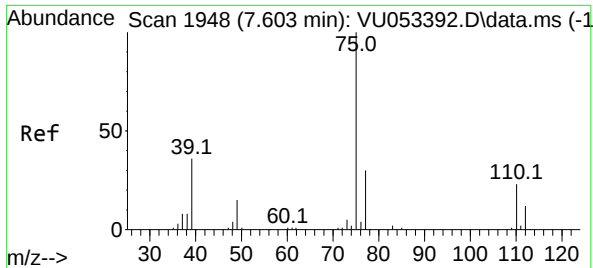
Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

127 8.8 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

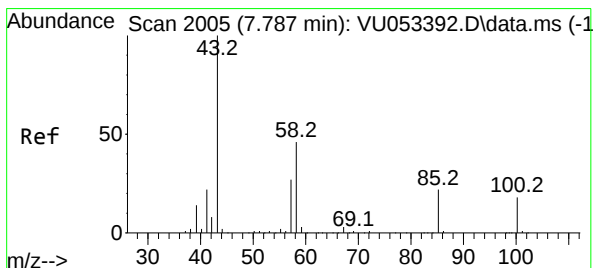
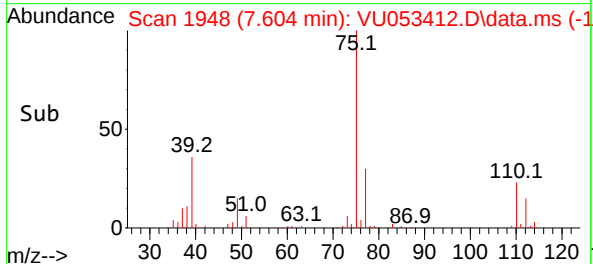
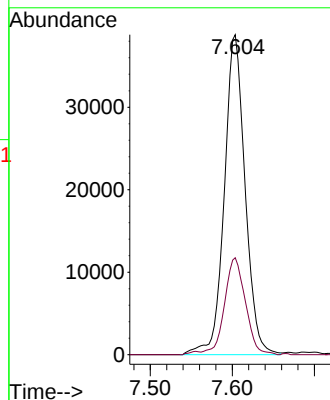
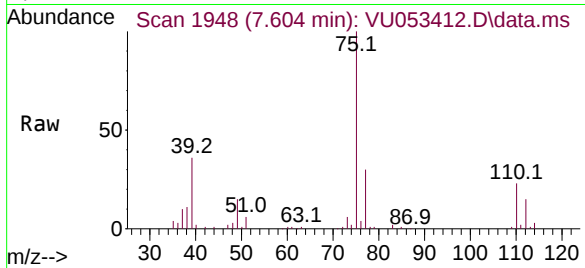
ClientSampleId :

Tgt Ion: 75 Resp: 68480

Ion Ratio Lower Upper

75 100

77 30.3 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.855 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

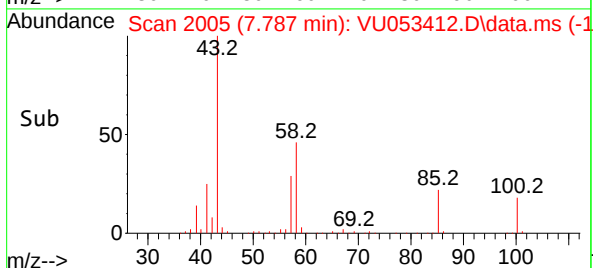
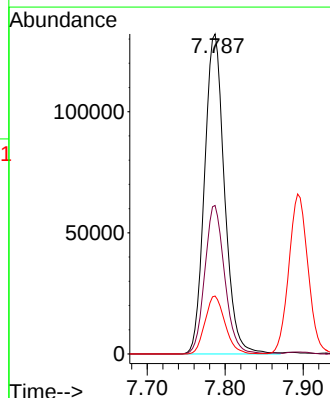
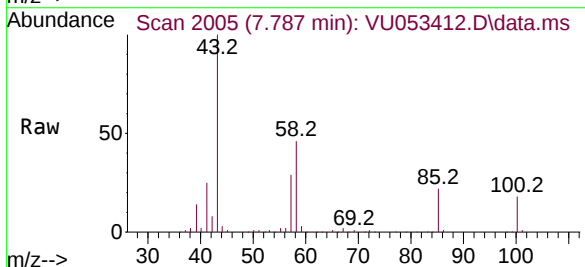
Tgt Ion: 43 Resp: 235505

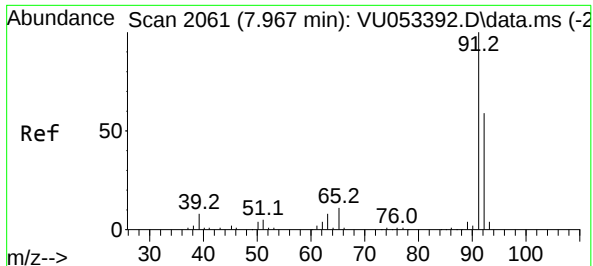
Ion Ratio Lower Upper

43 100

58 46.3 37.4 56.0

100 18.1 14.0 21.0





#42

Toluene

Concen: 4.866 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

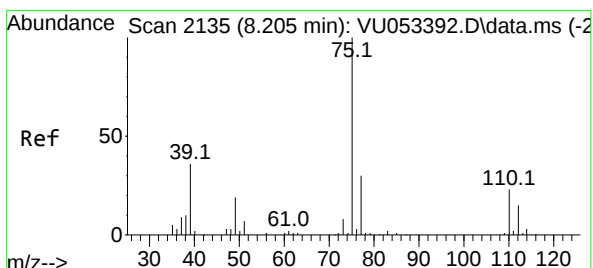
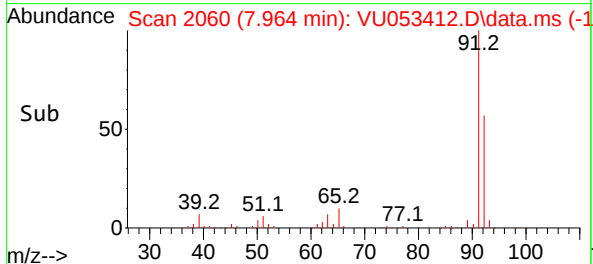
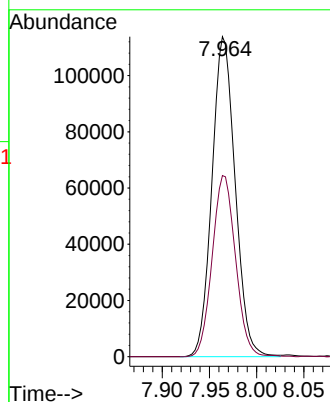
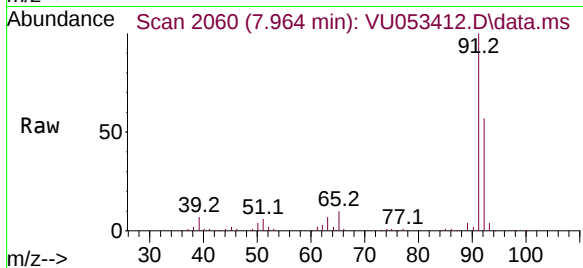
ClientSampleId :

Tgt Ion: 91 Resp: 194381

Ion Ratio Lower Upper

91 100

92 56.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.899 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053412.D

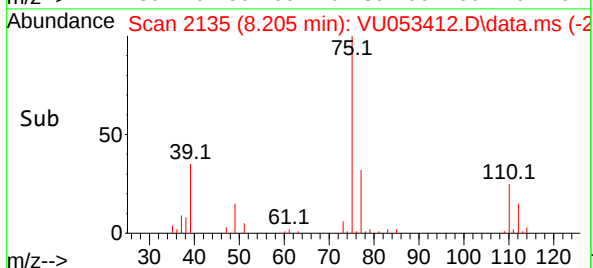
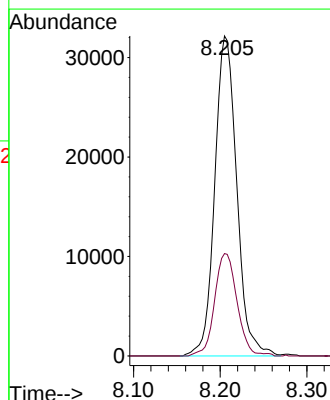
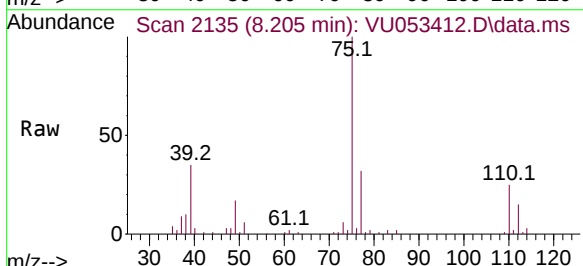
Acq: 25 Mar 2023 00:01

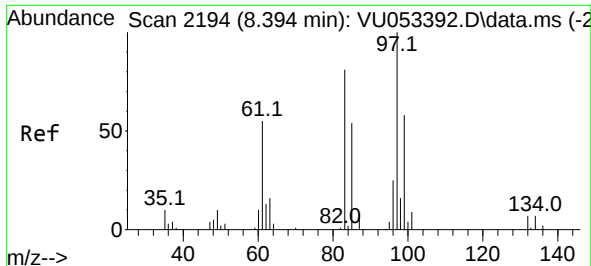
Tgt Ion: 75 Resp: 56842

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



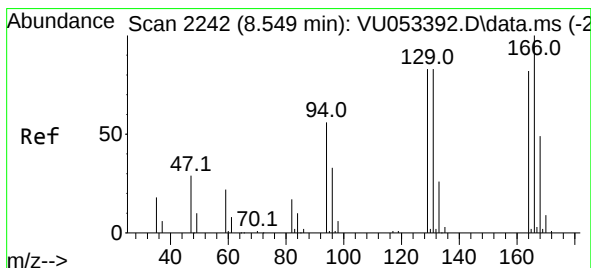
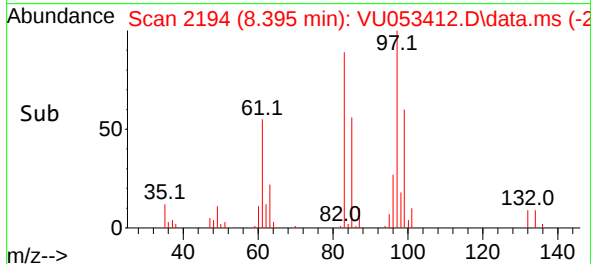
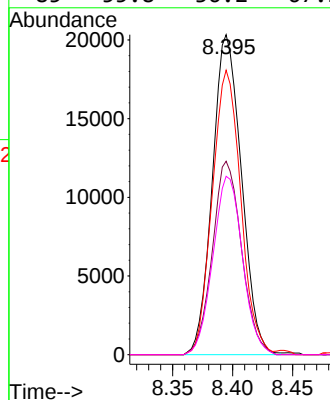
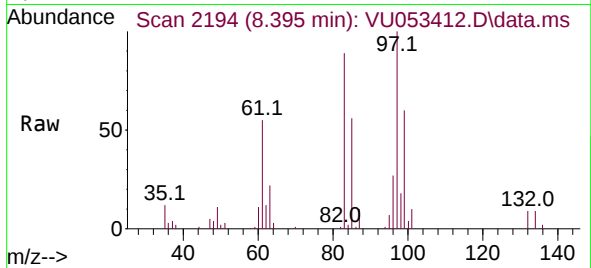


#45
1,1,2-Trichloroethane
Concen: 4.998 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 34255

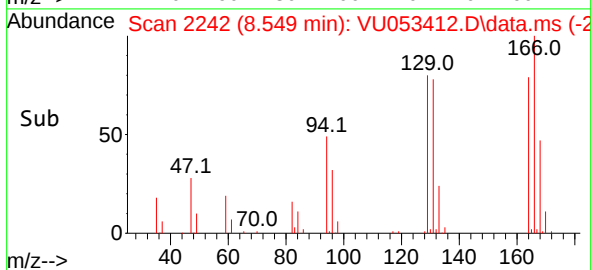
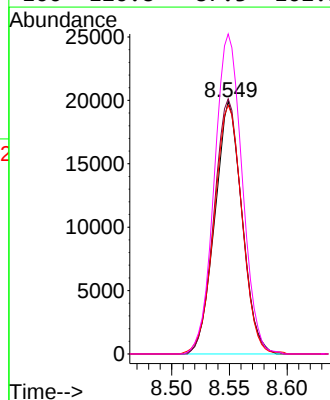
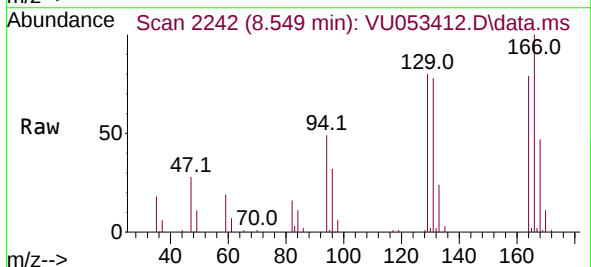
Ion	Ratio	Lower	Upper
97	100		
99	60.5	38.9	72.2
83	88.9	57.6	107.0
85	55.8	36.2	67.2

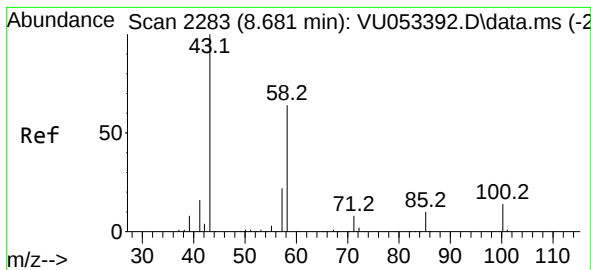


#47
Tetrachloroethene
Concen: 4.564 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 164 Resp: 32644

Ion	Ratio	Lower	Upper
164	100		
129	101.1	74.8	138.8
131	98.6	70.1	130.1
166	126.8	87.3	162.1





#48

2-Hexanone

Concen: 51.110 ug/L

RT: 8.681 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 178520

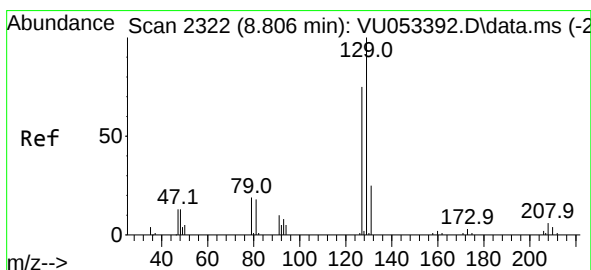
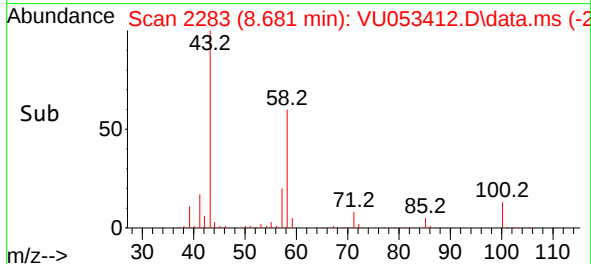
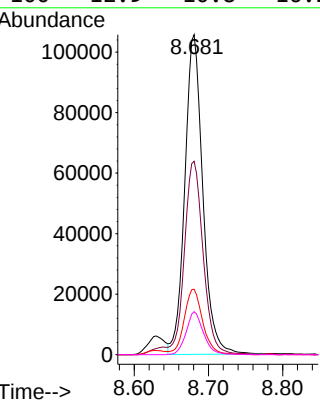
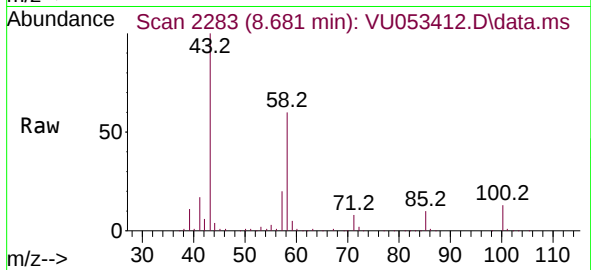
Ion Ratio Lower Upper

43 100

58 65.1 52.8 79.2

57 21.2 17.1 25.7

100 12.9 10.8 16.2



#49

Dibromochloromethane

Concen: 4.907 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. -0.003 min

Lab File: VU053412.D

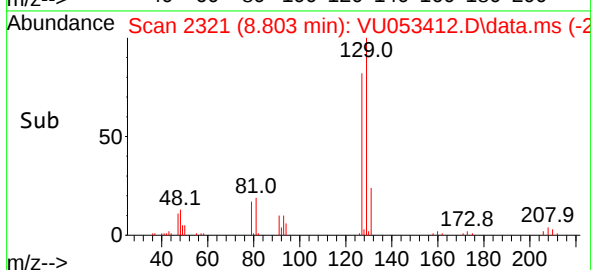
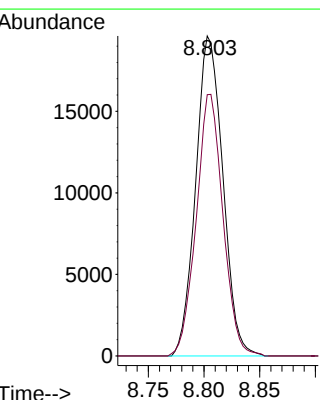
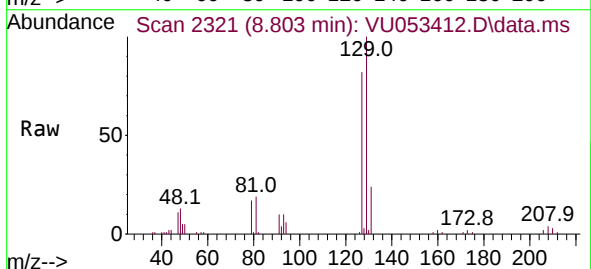
Acq: 25 Mar 2023 00:01

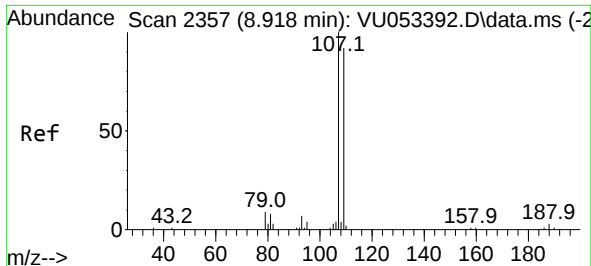
Tgt Ion:129 Resp: 33260

Ion Ratio Lower Upper

129 100

127 81.7 52.2 97.0





#50

1,2-Dibromoethane

Concen: 5.047 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

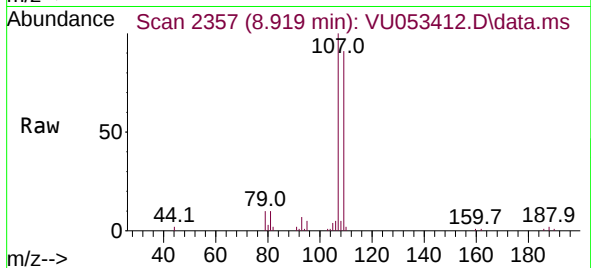
Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :



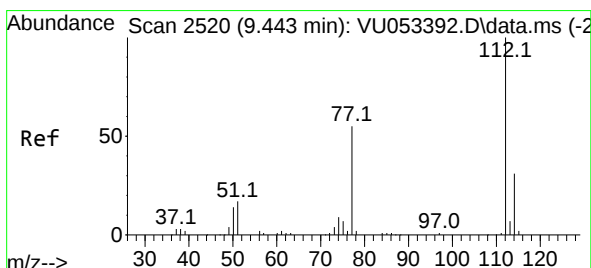
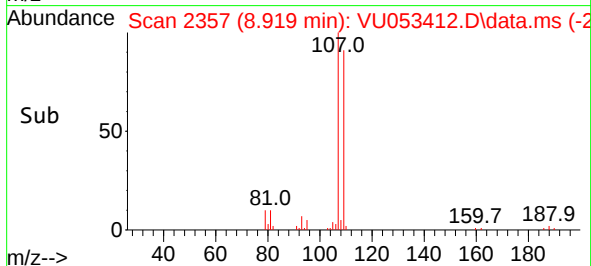
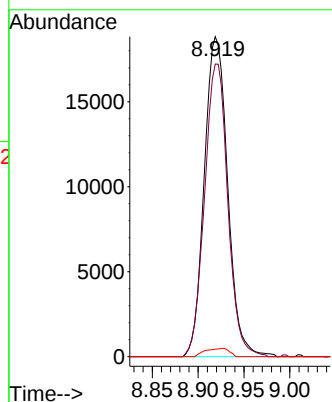
Tgt Ion:107 Resp: 33413

Ion Ratio Lower Upper

107 100

109 91.5 64.7 120.1

188 2.4 3.0 4.6#



#51

Chlorobenzene

Concen: 4.926 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

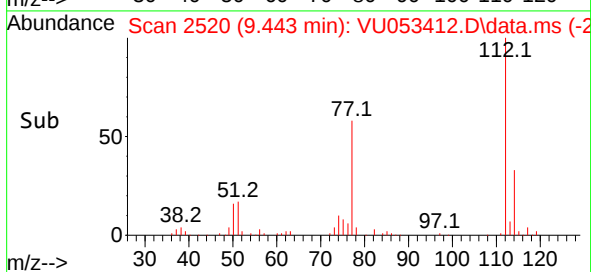
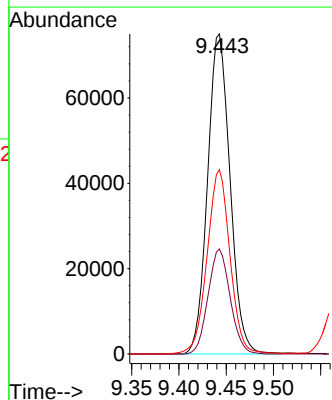
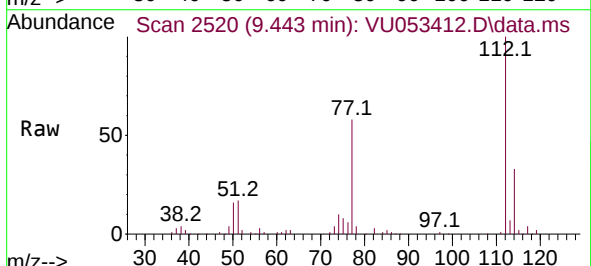
Tgt Ion:112 Resp: 124104

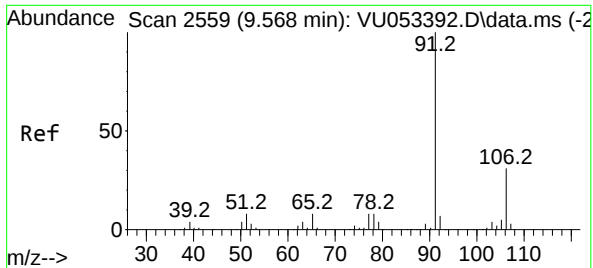
Ion Ratio Lower Upper

112 100

114 32.8 22.1 41.1

77 57.6 45.8 68.6

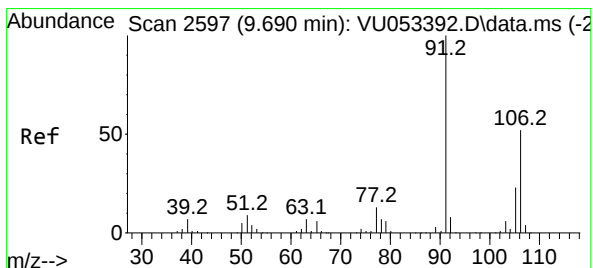
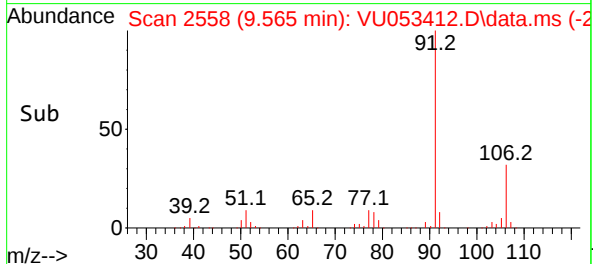
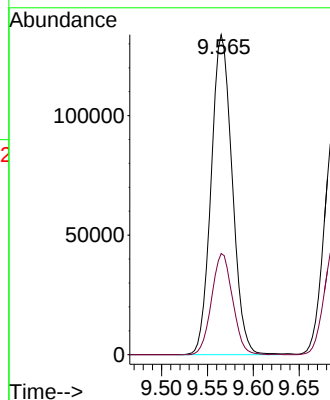
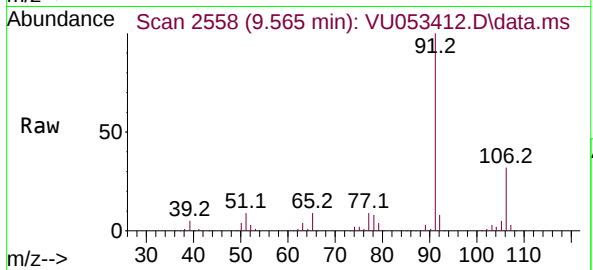




#52
Ethylbenzene
Concen: 4.907 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

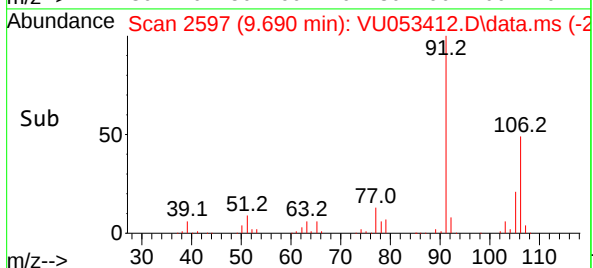
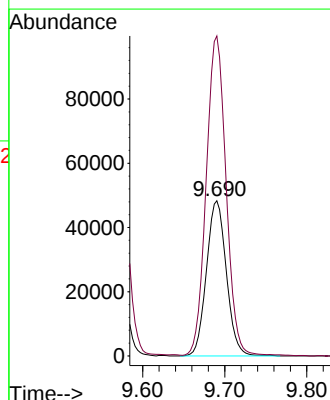
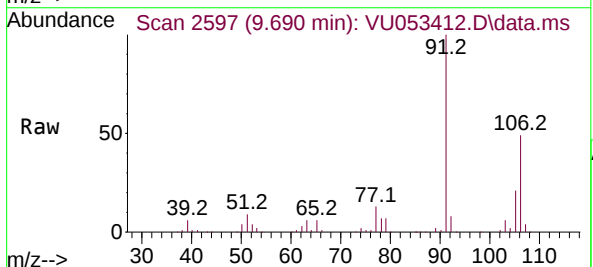
Instrument :
MSVOA_U
ClientSampleId :

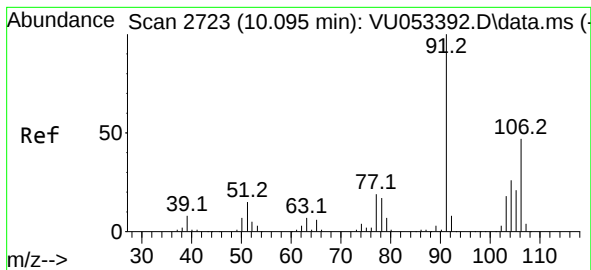
Tgt Ion: 91 Resp: 213683
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.9



#53
m,p-Xylene
Concen: 4.909 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion:106 Resp: 81472
Ion Ratio Lower Upper
106 100
91 206.1 138.8 257.8





#54

o-Xylene

Concen: 5.033 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

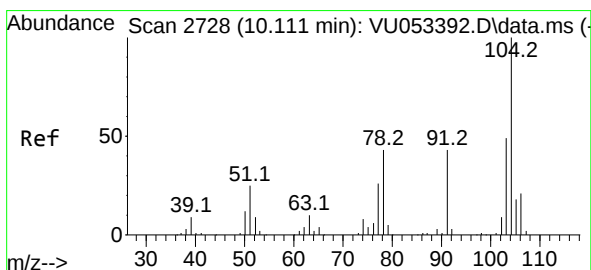
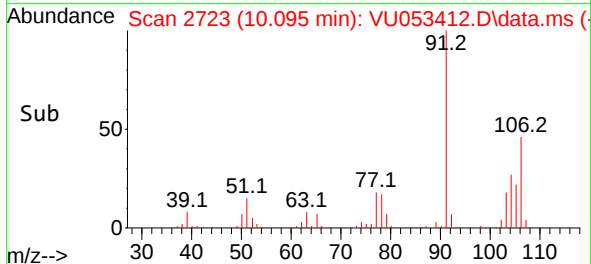
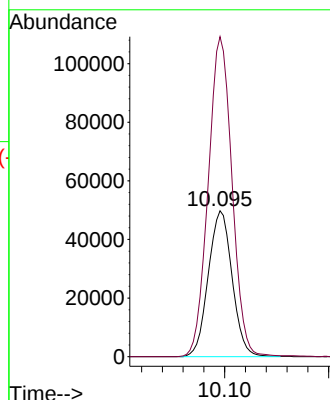
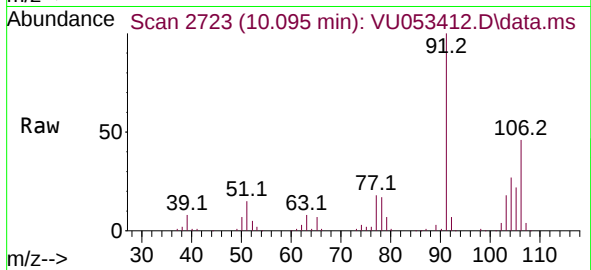
ClientSampleId :

Tgt Ion:106 Resp: 79263

Ion Ratio Lower Upper

106 100

91 219.3 150.8 280.0



#55

Styrene

Concen: 5.002 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053412.D

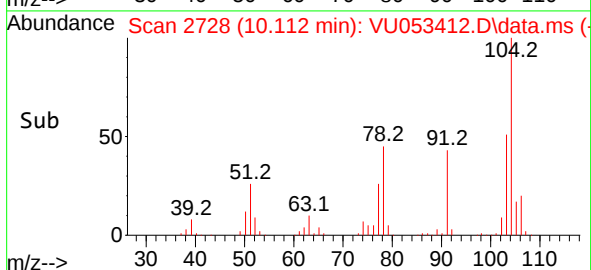
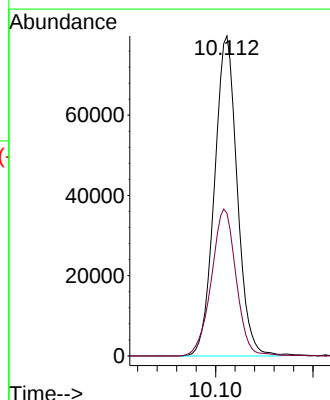
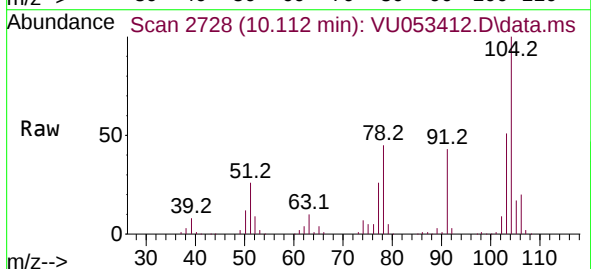
Acq: 25 Mar 2023 00:01

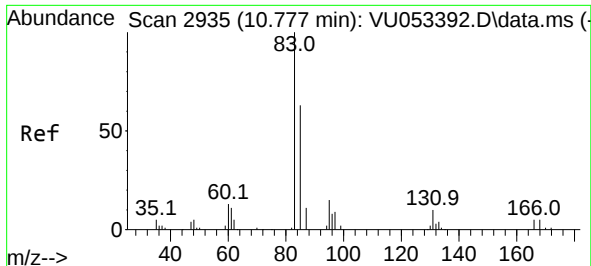
Tgt Ion:104 Resp: 129346

Ion Ratio Lower Upper

104 100

78 44.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.947 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

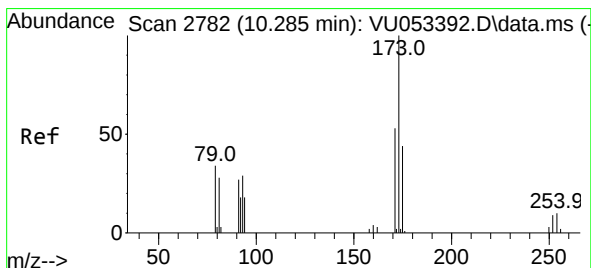
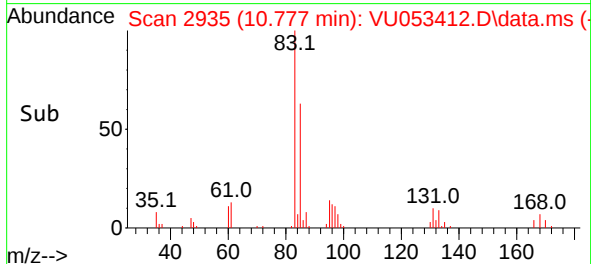
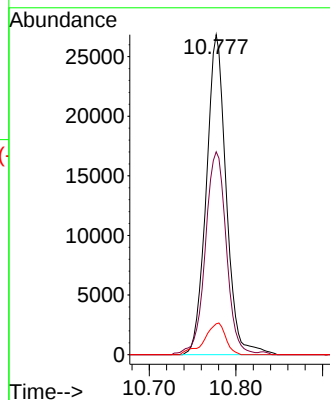
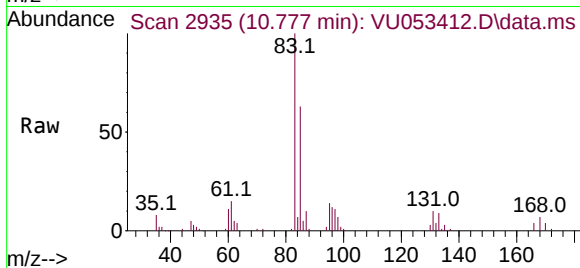
Tgt Ion: 83 Resp: 42815

Ion Ratio Lower Upper

83 100

85 63.4 43.8 81.4

131 9.7 7.2 10.8



#59

Bromoform

Concen: 4.974 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

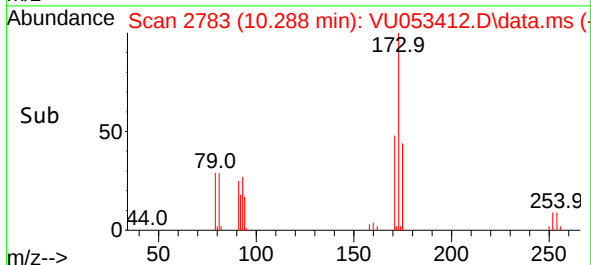
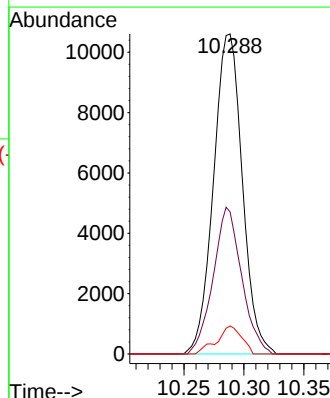
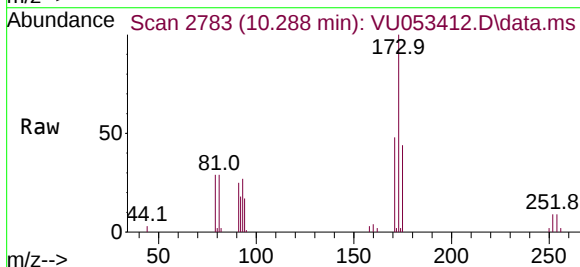
Tgt Ion:173 Resp: 17692

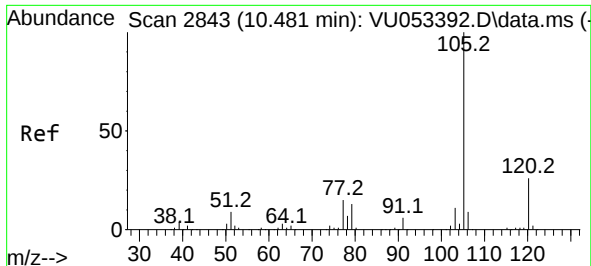
Ion Ratio Lower Upper

173 100

175 45.3 39.9 59.9

254 7.5 6.6 9.8

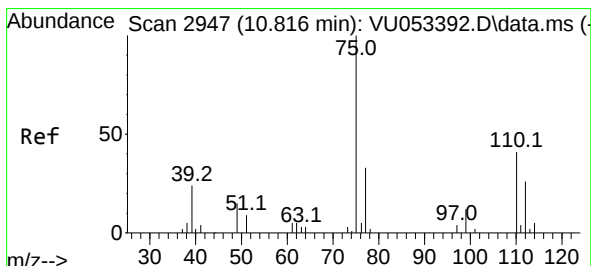
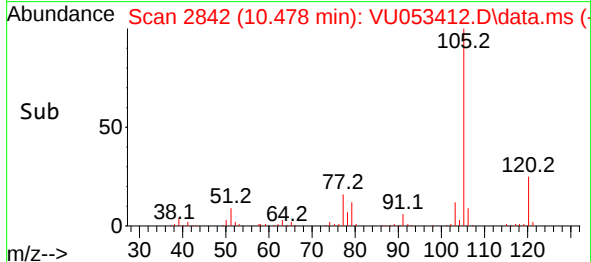
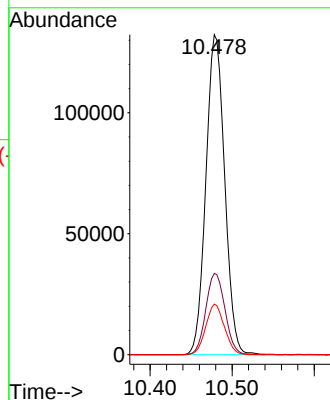
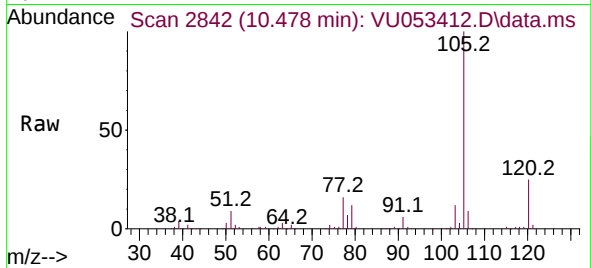




#60
Isopropylbenzene
Concen: 5.008 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

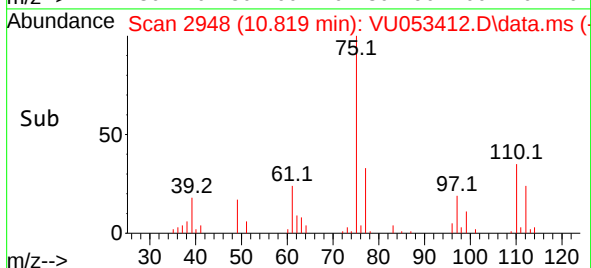
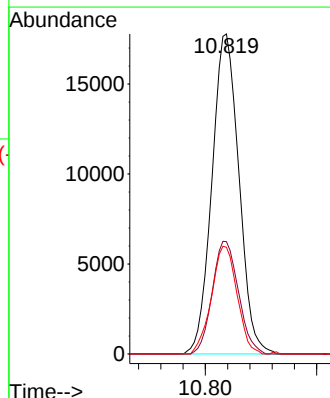
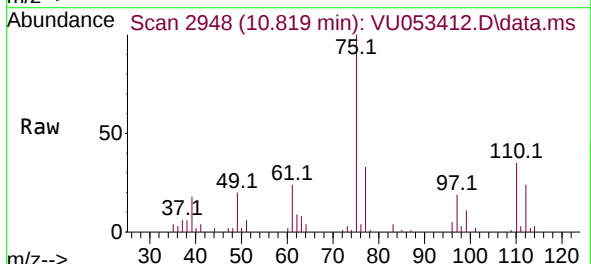
Instrument :
MSVOA_U
ClientSampleId :

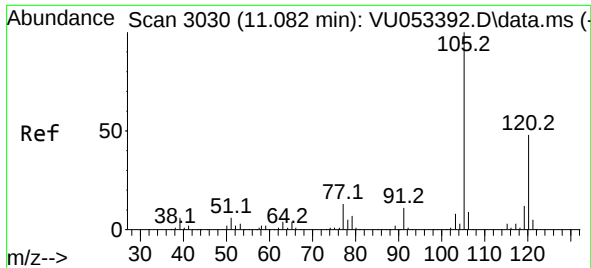
Tgt Ion:105 Resp: 210130
Ion Ratio Lower Upper
105 100
120 25.9 21.5 32.3
77 15.7 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.225 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion: 75 Resp: 29903
Ion Ratio Lower Upper
75 100
110 34.1 30.6 46.0
77 31.9 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.024 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

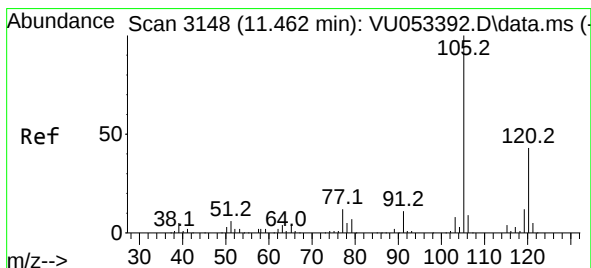
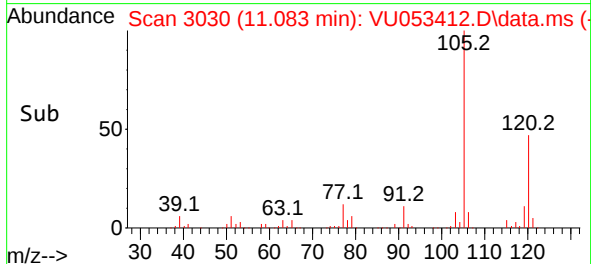
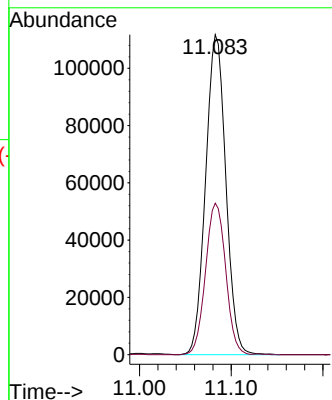
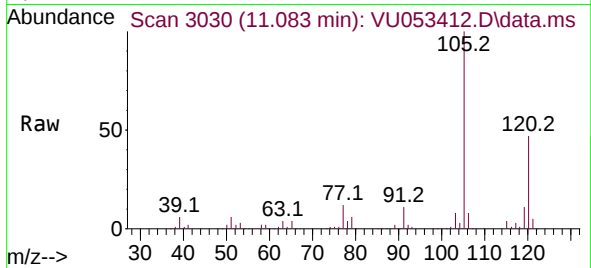
ClientSampleId :

Tgt Ion:105 Resp: 171037

Ion Ratio Lower Upper

105 100

120 47.2 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.021 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053412.D

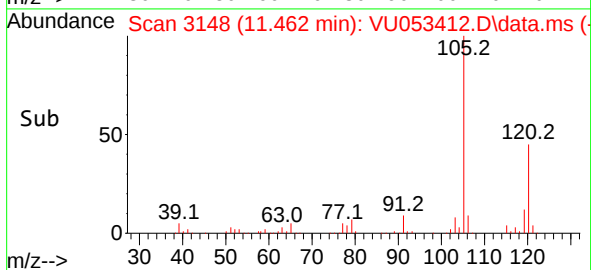
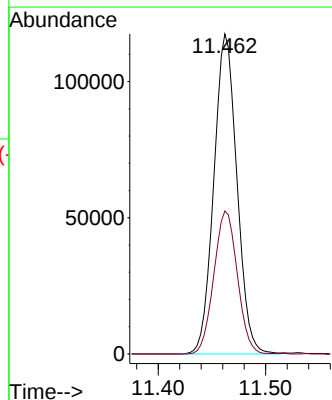
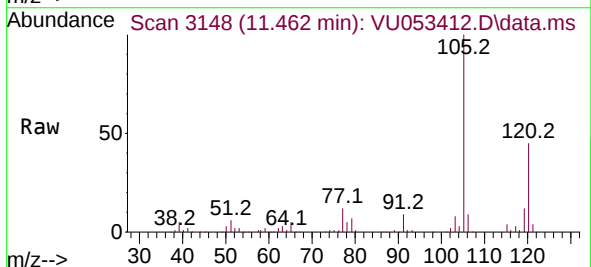
Acq: 25 Mar 2023 00:01

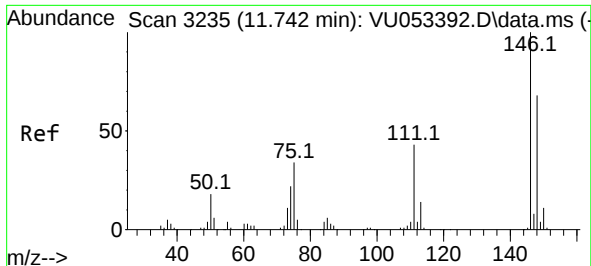
Tgt Ion:105 Resp: 175094

Ion Ratio Lower Upper

105 100

120 45.6 35.4 53.0

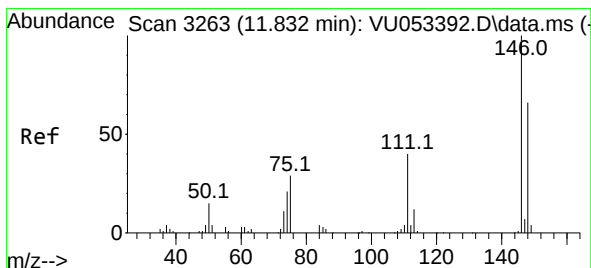
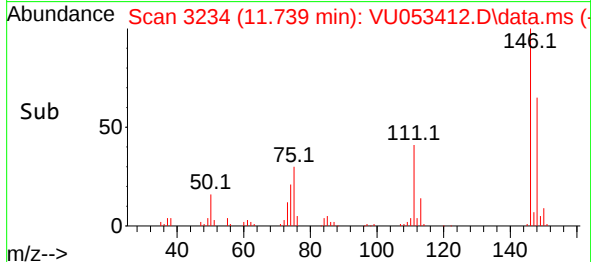
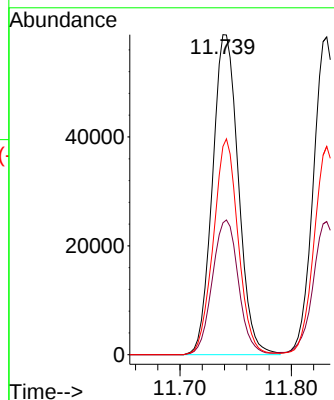
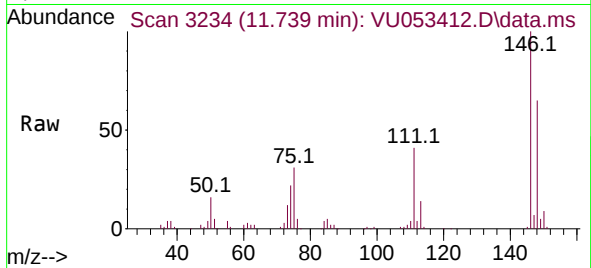




#64
1,3-Dichlorobenzene
Concen: 5.153 ug/L
RT: 11.739 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

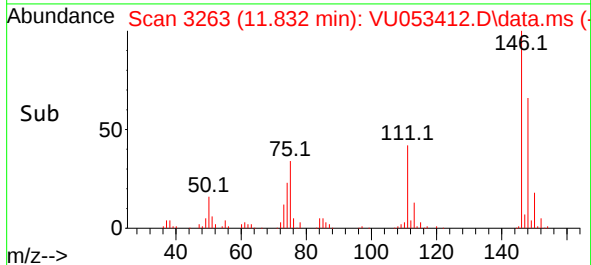
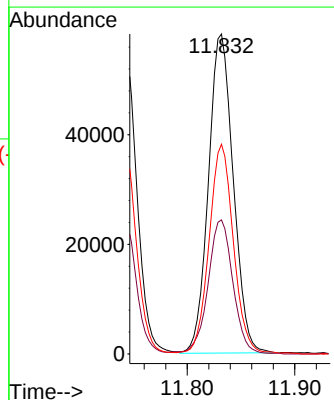
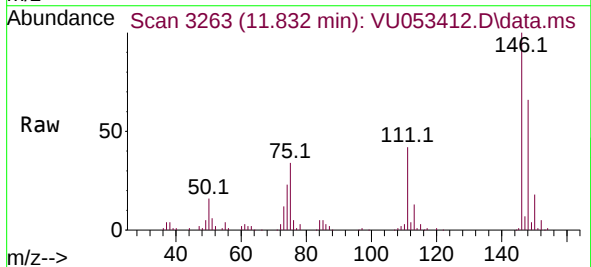
Instrument :
MSVOA_U
ClientSampleId :

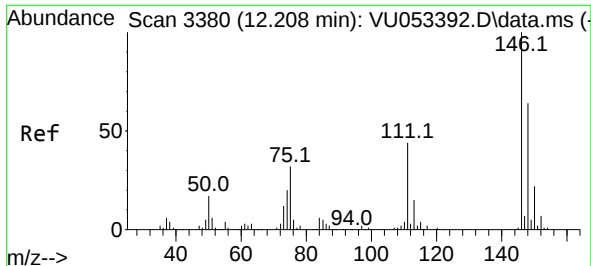
Tgt Ion:146 Resp: 95061
Ion Ratio Lower Upper
146 100
111 41.2 29.4 54.6
148 65.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.036 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053412.D
Acq: 25 Mar 2023 00:01

Tgt Ion:146 Resp: 93281
Ion Ratio Lower Upper
146 100
111 41.9 29.8 55.4
148 65.5 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.073 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

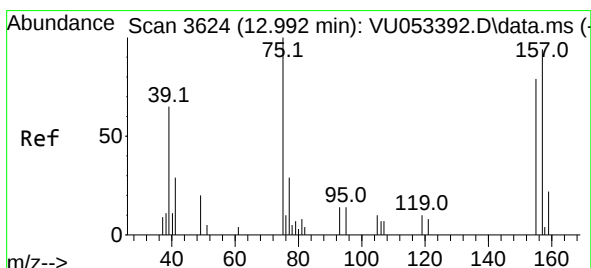
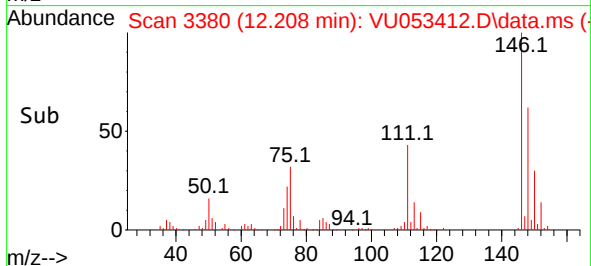
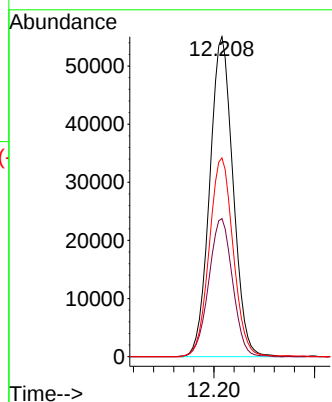
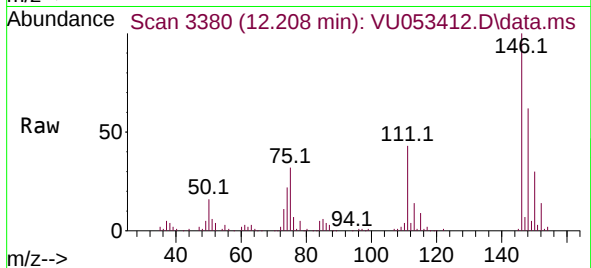
Tgt Ion:146 Resp: 88711

Ion Ratio Lower Upper

146 100

111 43.2 35.0 52.6

148 62.1 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.199 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

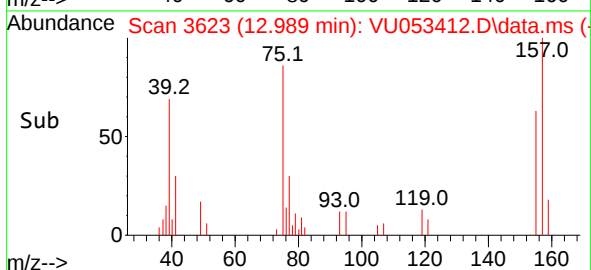
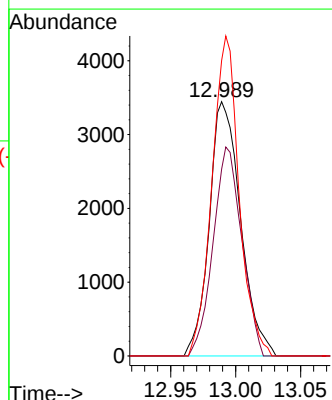
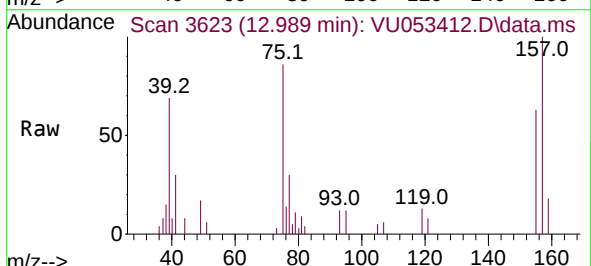
Tgt Ion: 75 Resp: 5770

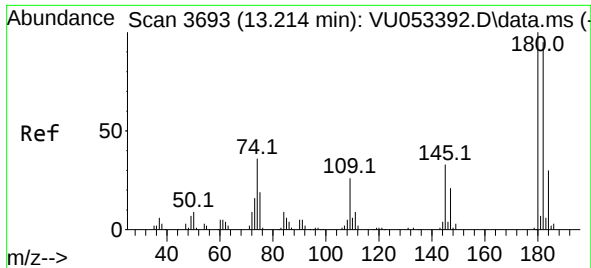
Ion Ratio Lower Upper

75 100

155 73.5 63.9 95.9

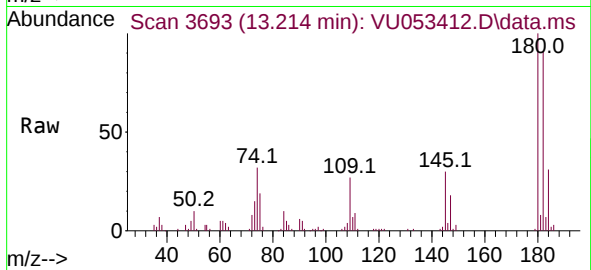
157 116.2 74.1 111.1#



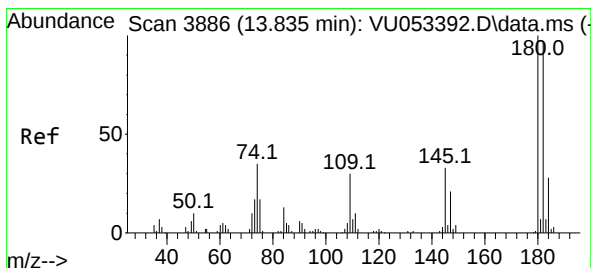
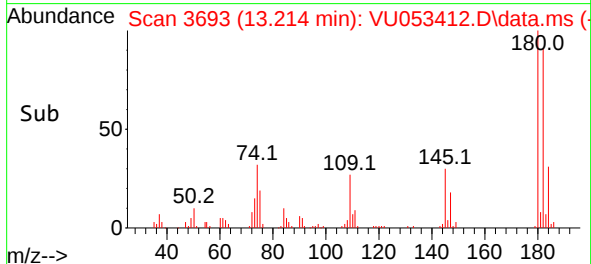
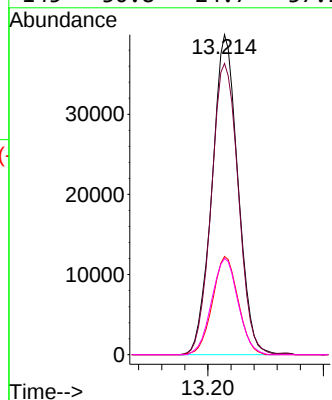


#69
 1,3,5-Trichlorobenzene
 Concen: 4.823 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

Instrument :
 MSVOA_U
 ClientSampleId :

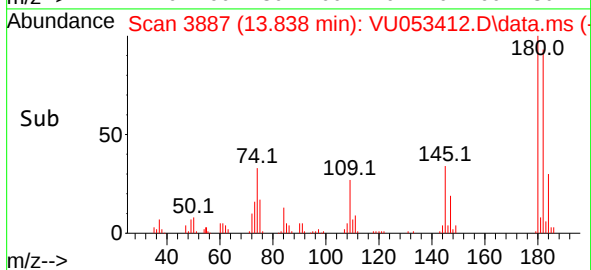
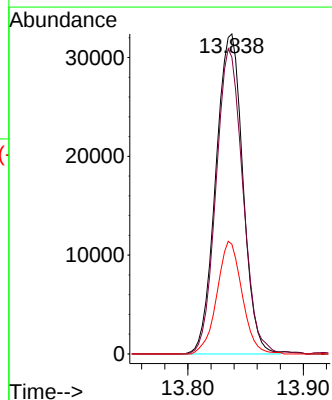
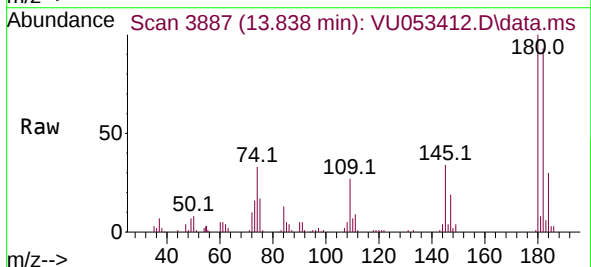


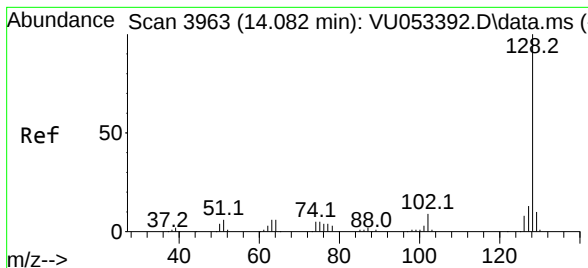
Tgt Ion:180 Resp: 62114
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.7 115.1
 184 30.4 24.1 36.1
 145 30.8 24.7 37.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.148 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053412.D
 Acq: 25 Mar 2023 00:01

Tgt Ion:180 Resp: 52708
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.4 113.2
 145 32.7 25.8 38.8





#71

Naphthalene

Concen: 5.423 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Instrument :

MSVOA_U

ClientSampleId :

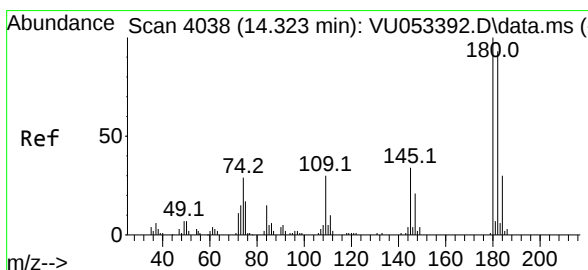
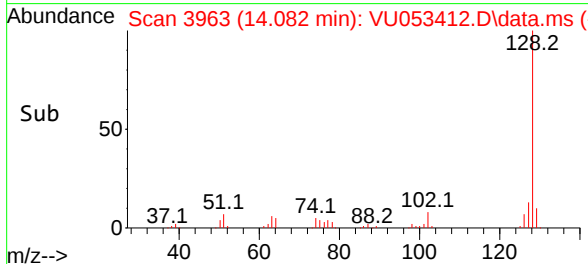
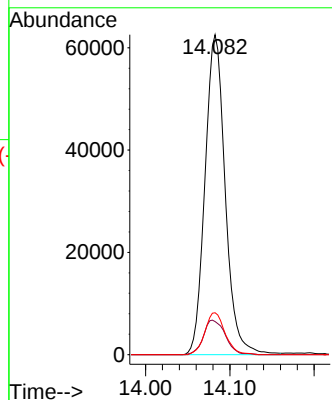
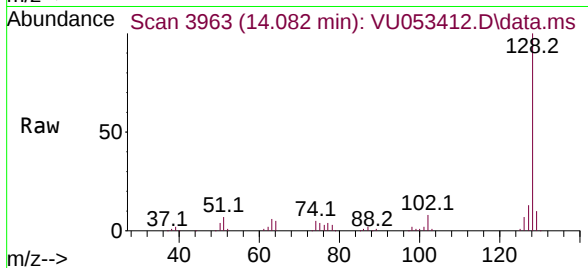
Tgt Ion:128 Resp: 104605

Ion Ratio Lower Upper

128 100

129 11.7 8.2 12.4

127 13.1 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.423 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053412.D

Acq: 25 Mar 2023 00:01

Tgt Ion:180 Resp: 48465

Ion Ratio Lower Upper

180 100

182 91.8 74.8 112.2

145 32.9 26.3 39.5

