

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053411.D
 Acq On : 24 Mar 2023 23:37
 Operator : JC/MD
 Sample : 02092-08MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 00:44:18 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	6.243	114	140402	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136429	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	70349	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44863	4.645	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.916	69	43034	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.565	65	19224	4.672	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.636	46	118398	53.508	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.020%
24) Chloroform-d	5.057	84	93193	5.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.697	65	46727	5.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.723	84	184409	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.687	67	56567	4.801	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.893	98	173328	4.752	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.176	79	21352	4.723	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.629	63	93022	50.655	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.320%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	51126	5.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	63464	5.014	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	46585	4.624	ug/L	98
3) Chloromethane	1.520	50	50945	5.026	ug/L	99
5) Vinyl chloride	1.604	62	54430	4.762	ug/L	97
6) Bromomethane	1.858	94	32871	4.541	ug/L	97
8) Chloroethane	1.935	64	33268	5.008	ug/L	98
9) Trichlorofluoromethane	2.137	101	76530	4.434	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	40410	4.620	ug/L	99
12) 1,1-Dichloroethene	2.578	96	37822	4.758	ug/L	93
13) Acetone	2.652	43	57571	43.843	ug/L #	48
14) Carbon disulfide	2.793	76	110973	4.757	ug/L	97
15) Methyl Acetate	2.957	43	15723	5.104	ug/L	94
16) Methylene chloride	3.044	84	43385	4.156	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	96879	5.027	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	39012	4.725	ug/L	97
19) 1,1-Dichloroethane	3.864	63	76165	5.007	ug/L	98
21) 2-Butanone	4.713	43	92369	45.302	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	48307	4.342	ug/L	96
23) Bromochloromethane	4.970	128	20072	5.098	ug/L	98
25) Chloroform	5.083	83	78247	5.001	ug/L	99

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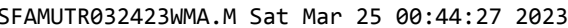
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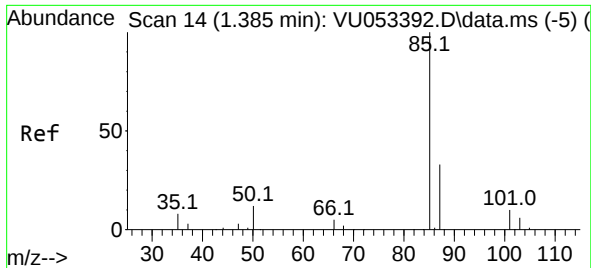
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	50224	5.124	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	66151	4.911	ug/L	99
30) Cyclohexane	5.385	56	65400	4.557	ug/L	100
31) Carbon tetrachloride	5.523	117	53906	4.730	ug/L	99
33) Benzene	5.771	78	174104	4.763	ug/L	100
34) Trichloroethene	6.539	95	45609	4.685	ug/L	95
35) Methylcyclohexane	6.758	83	70193	4.202	ug/L	95
37) 1,2-Dichloropropane	6.787	63	45939	4.759	ug/L	100
38) Bromodichloromethane	7.102	83	53252	4.968	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	67613	4.742	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	233372	49.409	ug/L	98
42) Toluene	7.964	91	192469	4.819	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	53057	4.573	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	33285	4.857	ug/L	92
47) Tetrachloroethene	8.549	164	31679	4.429	ug/L	95
48) 2-Hexanone	8.681	43	171663	49.153	ug/L	97
49) Dibromochloromethane	8.806	129	33329	4.918	ug/L	94
50) 1,2-Dibromoethane	8.919	107	31790	4.803	ug/L #	92
51) Chlorobenzene	9.443	112	124815	4.954	ug/L	98
52) Ethylbenzene	9.565	91	210477	4.834	ug/L	95
53) m,p-Xylene	9.690	106	81657	4.920	ug/L	100
54) o-Xylene	10.095	106	79028	5.018	ug/L	99
55) Styrene	10.108	104	127339	4.925	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	41863	4.837	ug/L	94
59) Bromoform	10.288	173	16456	4.543	ug/L	98
60) Isopropylbenzene	10.478	105	208280	4.874	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29239	5.016	ug/L	97
62) 1,3,5-Trimethylbenzene	11.082	105	166431	4.800	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	171542	4.831	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	91381	4.864	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	93847	4.975	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	85308	4.790	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5466	4.836	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.214	180	58419	4.454	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	47830	4.587	ug/L	96
71) Naphthalene	14.082	128	95293	4.851	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	43033	4.728	ug/L	95

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

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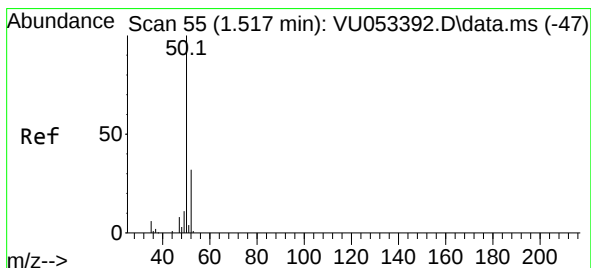
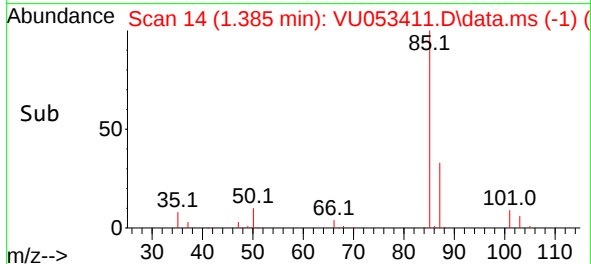
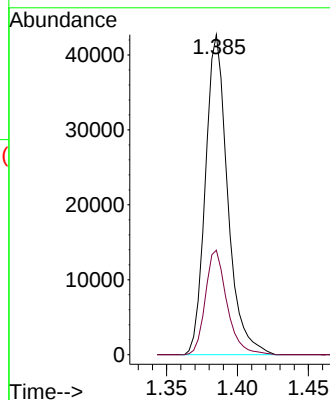
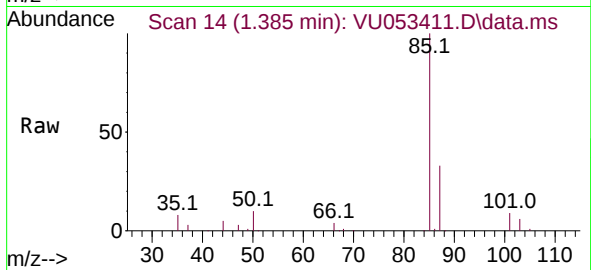




#2
Dichlorodifluoromethane
Concen: 4.624 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

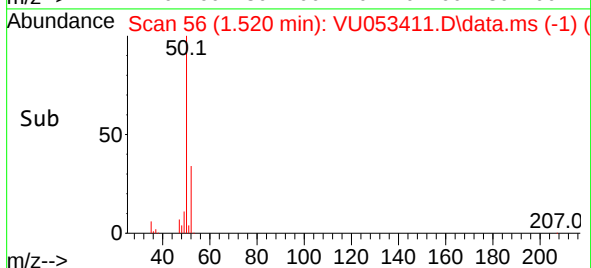
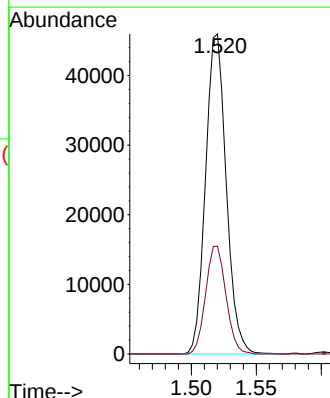
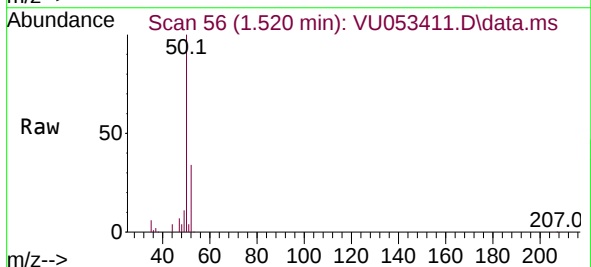
Instrument :
MSVOA_U
ClientSampleId :

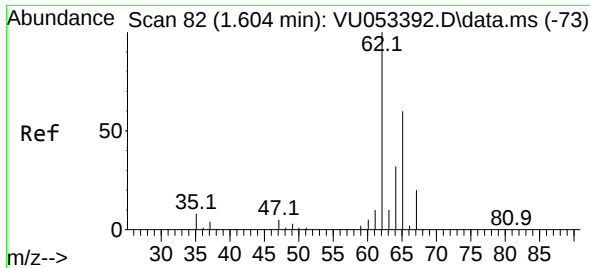
Tgt Ion: 85 Resp: 46585
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1



#3
Chloromethane
Concen: 5.026 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion: 50 Resp: 50945
Ion Ratio Lower Upper
50 100
52 33.6 23.9 44.3

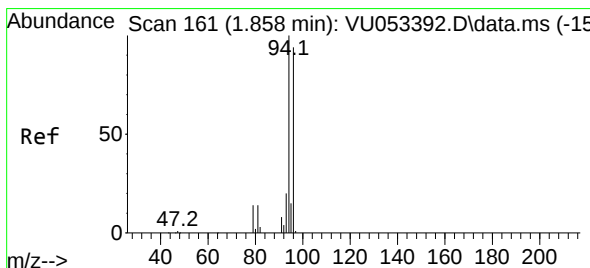
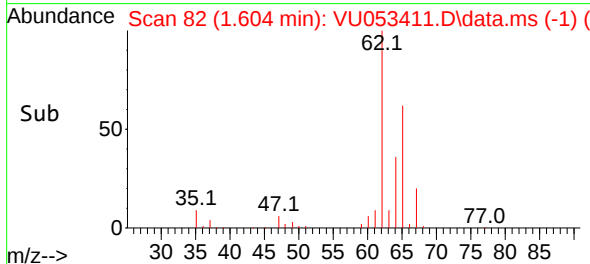
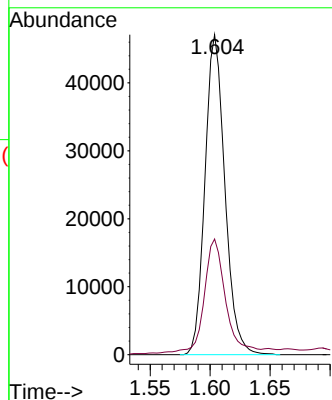
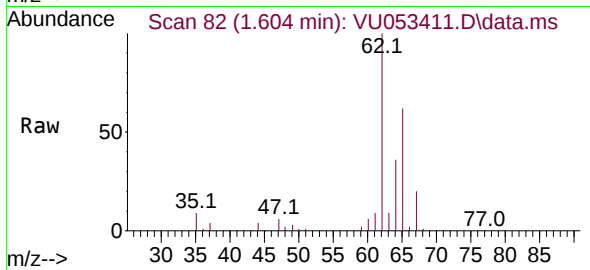




#5
 Vinyl chloride
 Concen: 4.762 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

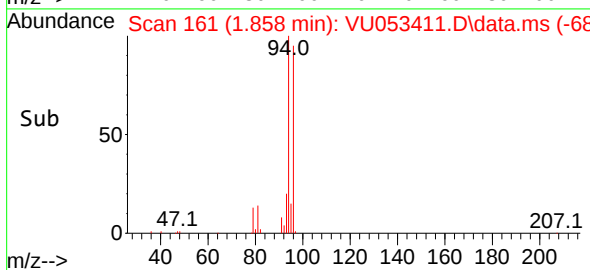
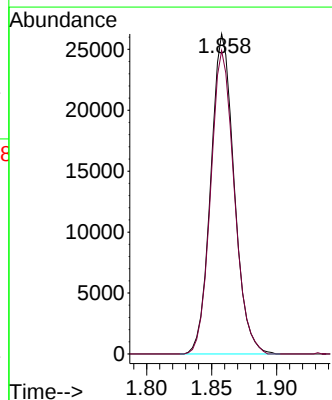
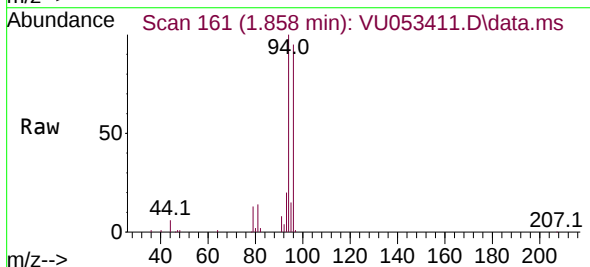
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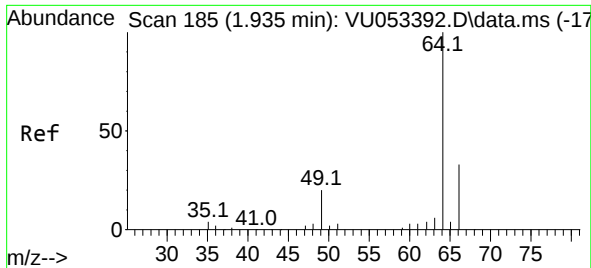
Tgt Ion: 62 Resp: 54430
 Ion Ratio Lower Upper
 62 100
 64 36.1 24.1 44.7



#6
 Bromomethane
 Concen: 4.541 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

Tgt Ion: 94 Resp: 32871
 Ion Ratio Lower Upper
 94 100
 96 94.7 68.3 126.8

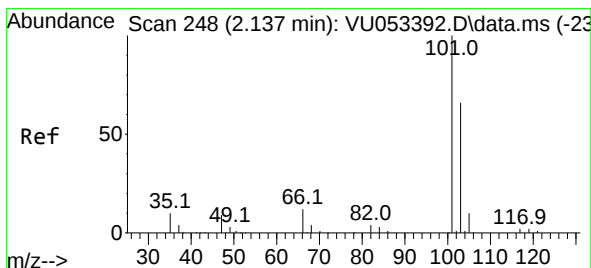
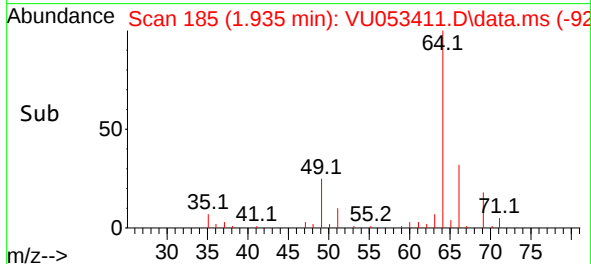
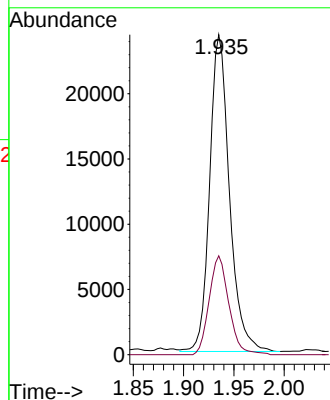
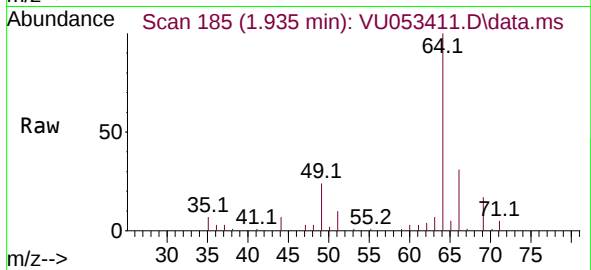




#8
Chloroethane
Concen: 5.008 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

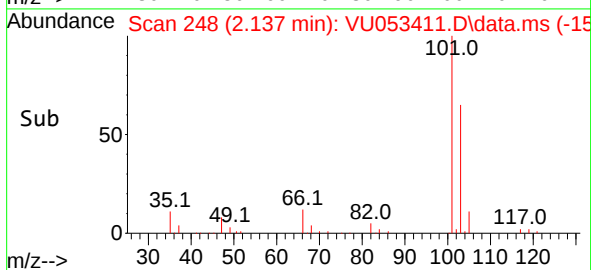
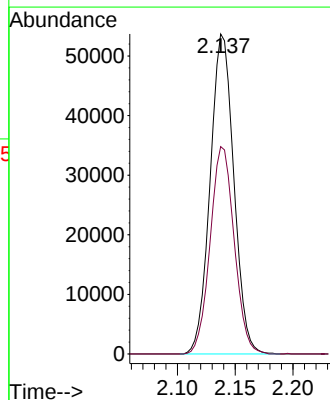
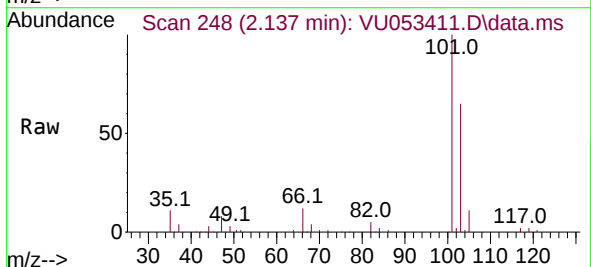
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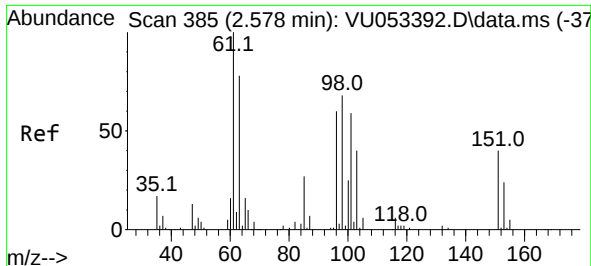
Tgt Ion: 64 Resp: 33268
Ion Ratio Lower Upper
64 100
66 30.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.434 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:101 Resp: 76530
Ion Ratio Lower Upper
101 100
103 65.7 50.2 75.2

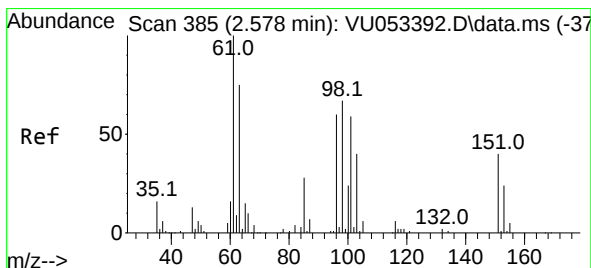
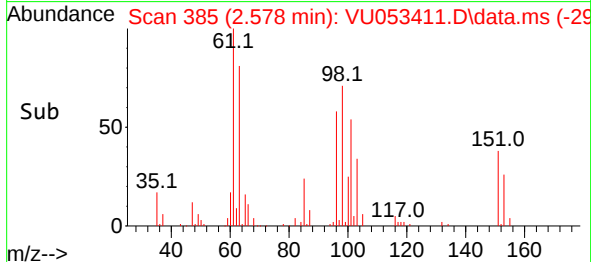
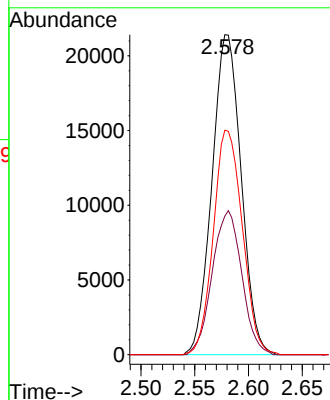
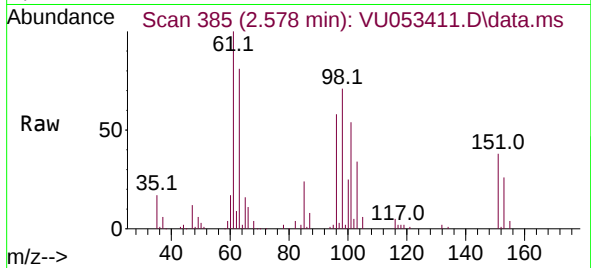




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.620 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

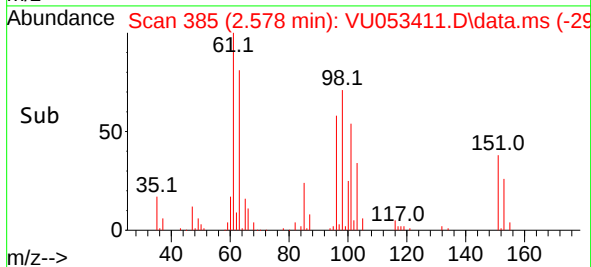
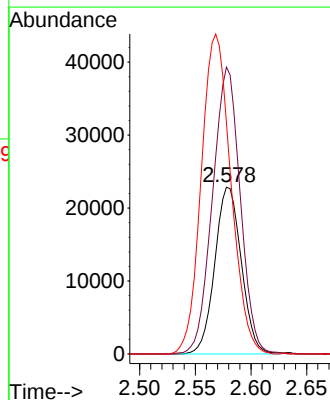
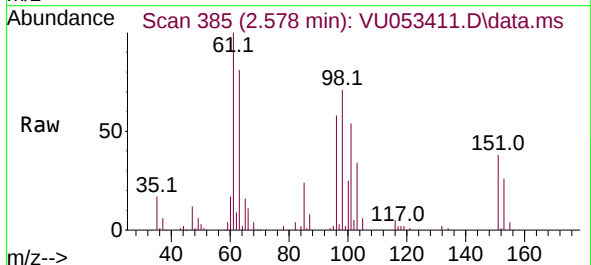
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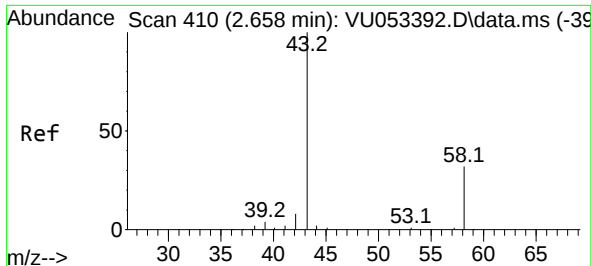
Tgt Ion:101 Resp: 40410
 Ion Ratio Lower Upper
 101 100
 85 45.6 37.0 55.4
 151 70.0 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 4.758 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

Tgt Ion: 96 Resp: 37822
 Ion Ratio Lower Upper
 96 100
 61 172.0 116.8 216.8
 63 138.7 88.6 164.6





#13

Acetone

Concen: 43.843 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.006 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

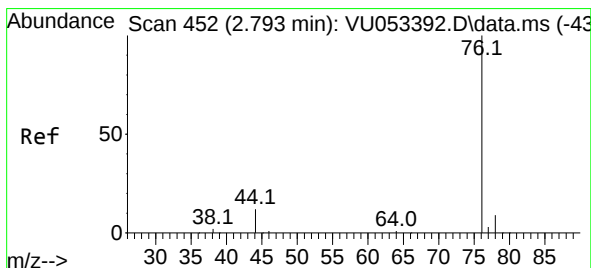
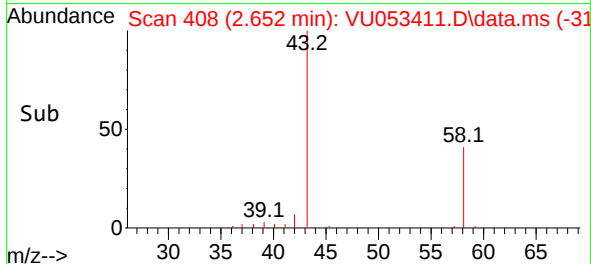
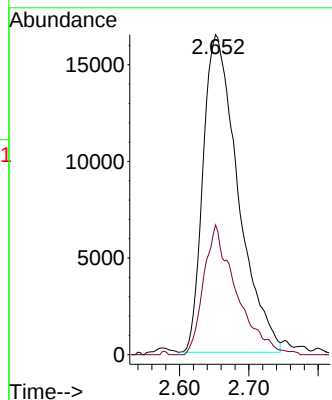
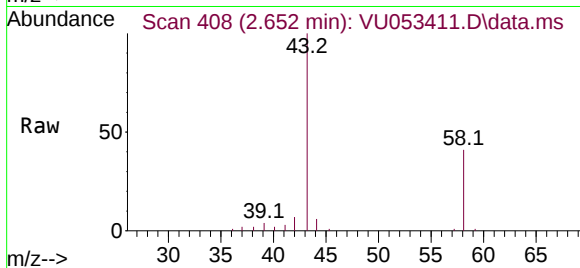
ClientSampleId :

Tgt Ion: 43 Resp: 57571

Ion Ratio Lower Upper

43 100

58 38.2 0.0 32.2#



#14

Carbon disulfide

Concen: 4.757 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053411.D

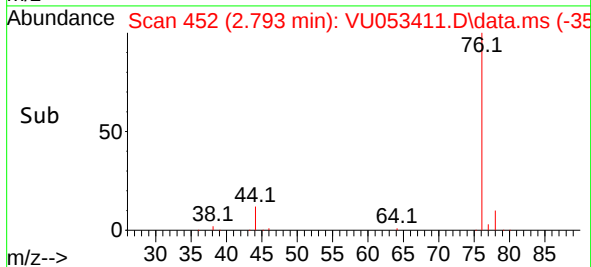
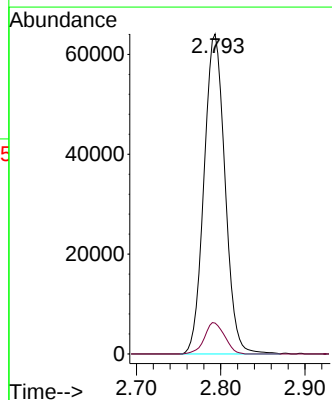
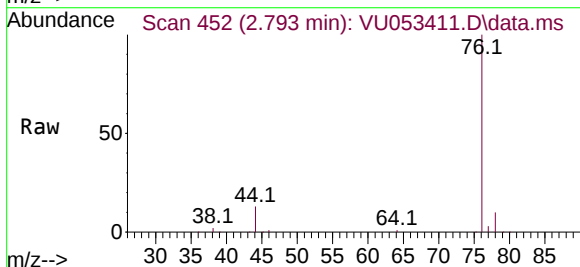
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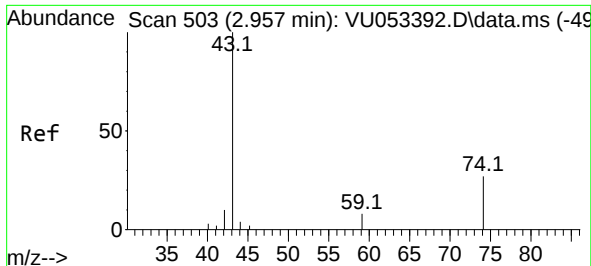
Tgt Ion: 76 Resp: 110973

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

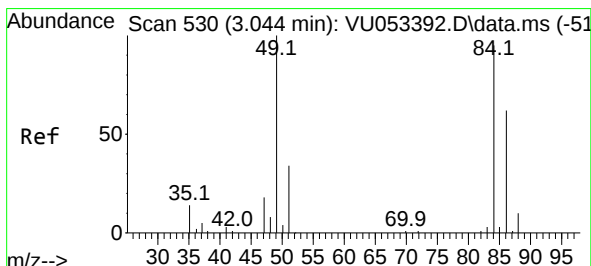
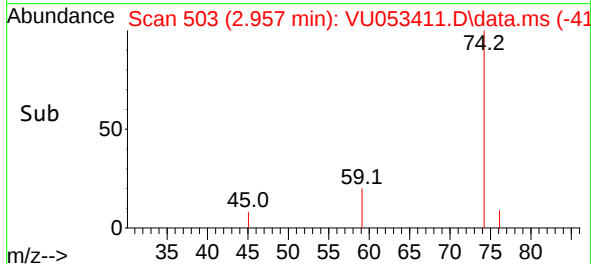
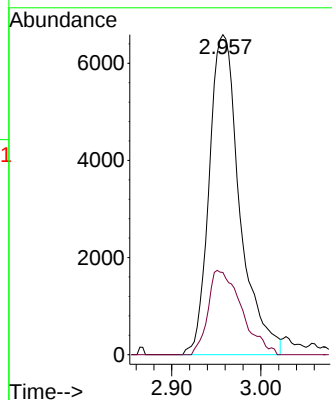
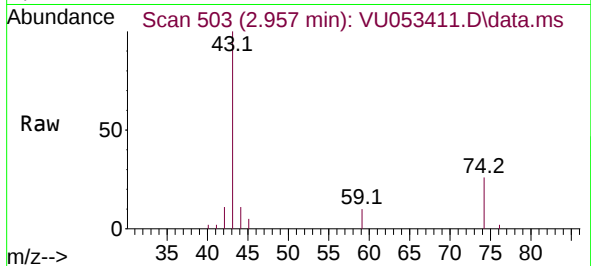




#15
Methyl Acetate
Concen: 5.104 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

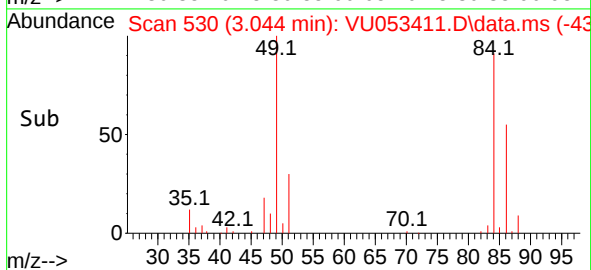
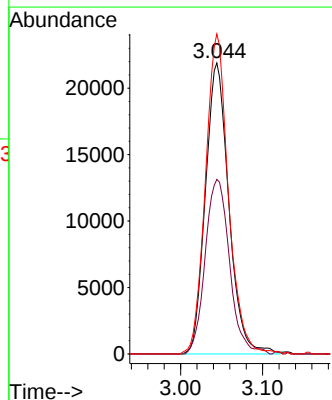
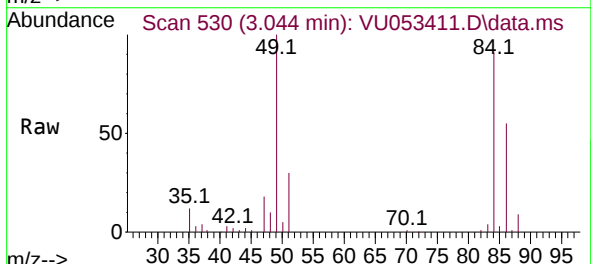
Instrument :
MSVOA_U
ClientSampleId :

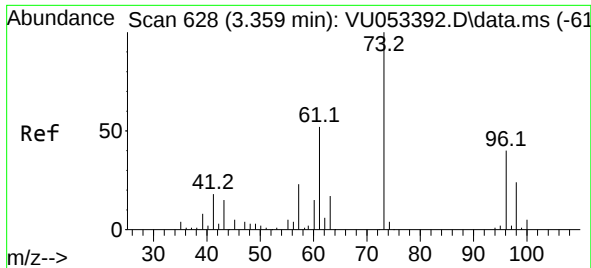
Tgt Ion: 43 Resp: 15723
Ion Ratio Lower Upper
43 100
74 28.8 20.8 31.2



#16
Methylene chloride
Concen: 4.156 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

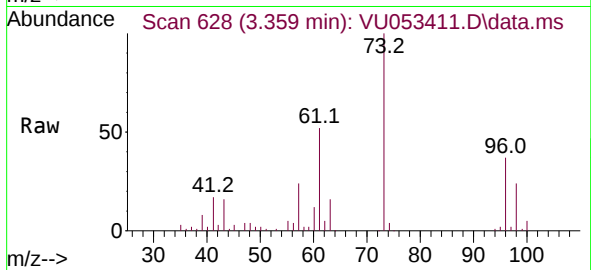
Tgt Ion: 84 Resp: 43385
Ion Ratio Lower Upper
84 100
86 60.0 44.7 83.1
49 110.0 75.5 140.1



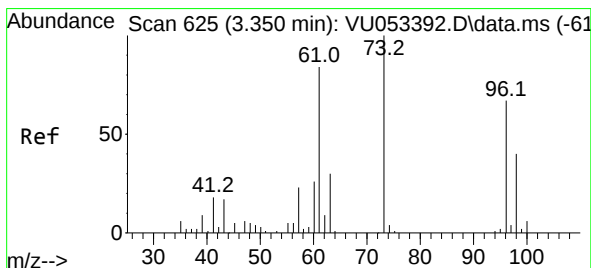
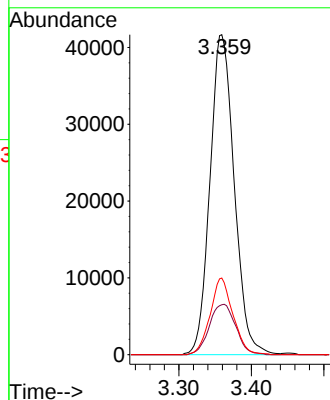
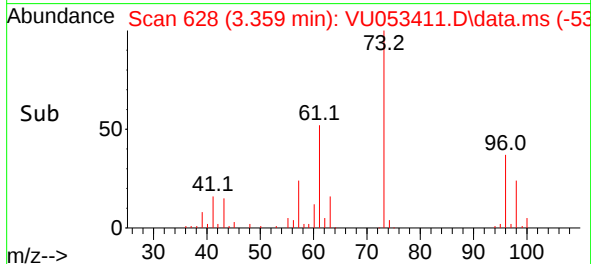


#17
Methyl tert-butyl Ether
Concen: 5.027 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

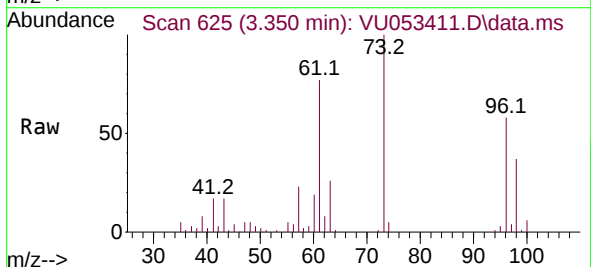
Instrument :
MSVOA_U
ClientSampleId :



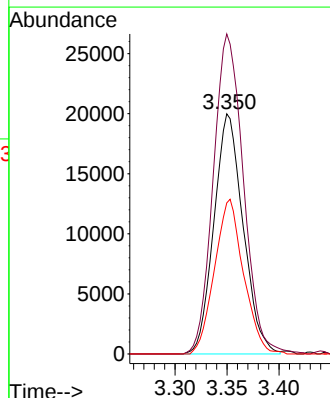
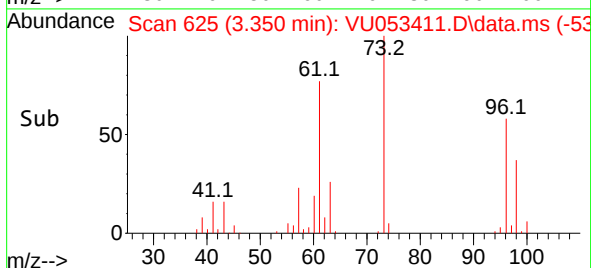
Tgt Ion: 73 Resp: 96879
Ion Ratio Lower Upper
73 100
43 17.1 13.9 20.9
57 22.4 17.0 25.6

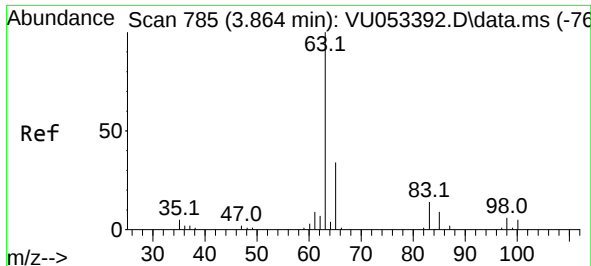


#18
trans-1,2-Dichloroethene
Concen: 4.725 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37



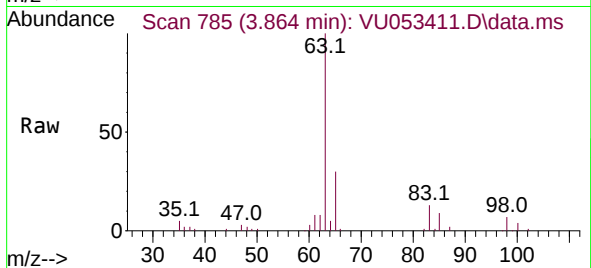
Tgt Ion: 96 Resp: 39012
Ion Ratio Lower Upper
96 100
61 133.2 95.5 177.3
98 62.9 42.2 78.4



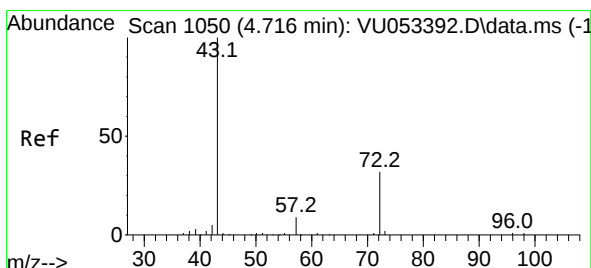
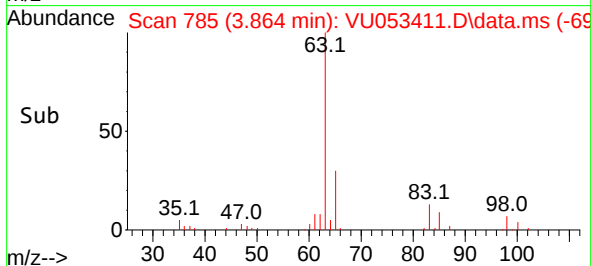
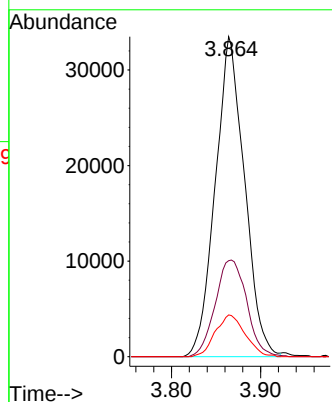


#19
1,1-Dichloroethane
Concen: 5.007 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Instrument :
MSVOA_U
ClientSampleId :

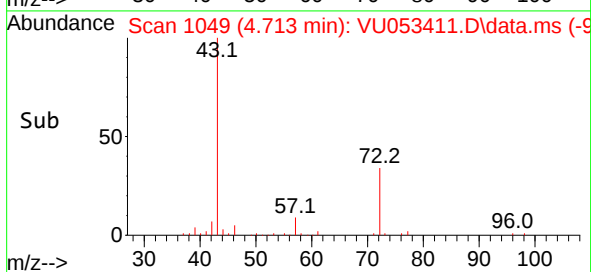
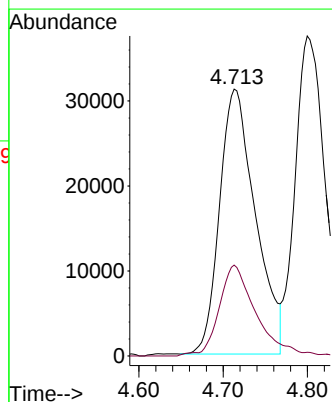
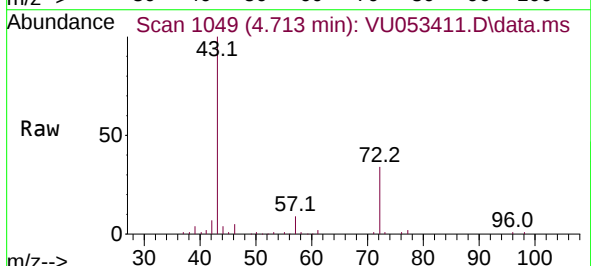


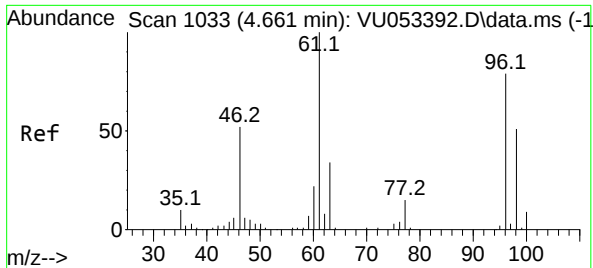
Tgt Ion: 63 Resp: 76165
Ion Ratio Lower Upper
63 100
65 30.0 21.7 40.3
83 13.1 8.1 15.1



#21
2-Butanone
Concen: 45.302 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion: 43 Resp: 92369
Ion Ratio Lower Upper
43 100
72 34.6 16.2 48.6

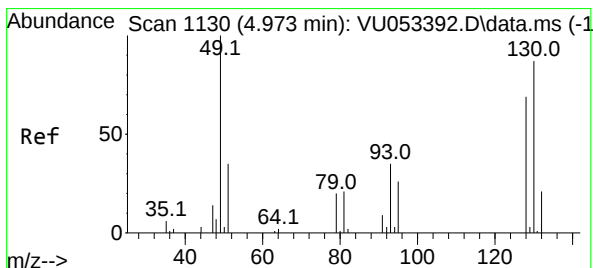
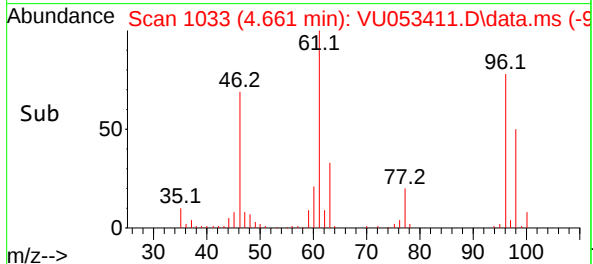
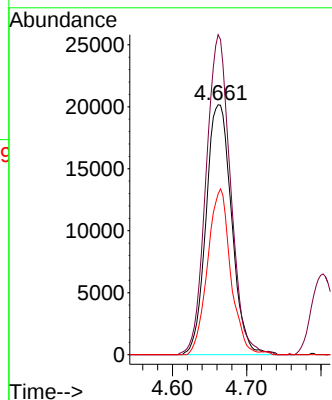
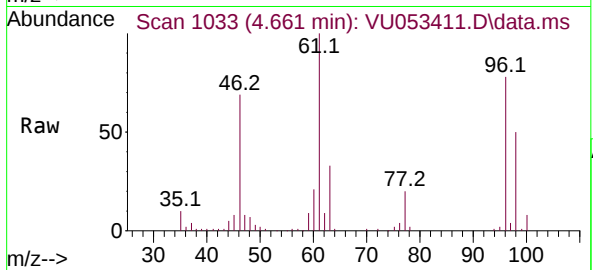




#22
cis-1,2-Dichloroethene
Concen: 4.342 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

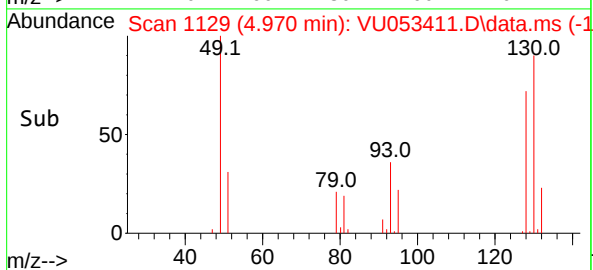
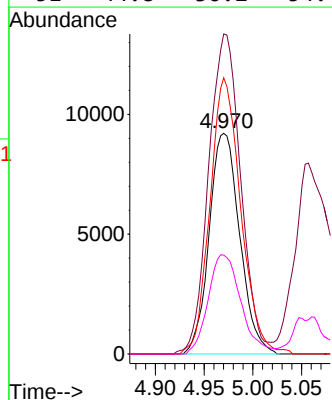
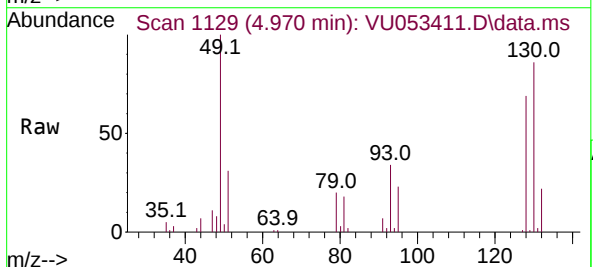
Instrument :
MSVOA_U
ClientSampleId :

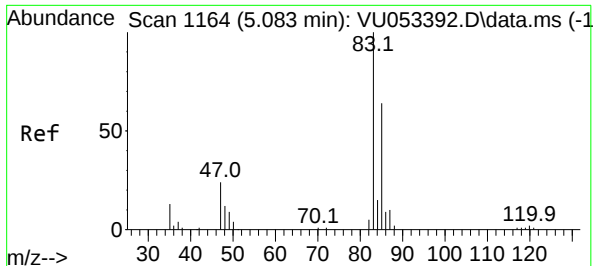
Tgt Ion: 96 Resp: 48307
Ion Ratio Lower Upper
96 100
61 128.0 86.6 160.8
98 64.3 47.7 88.5



#23
Bromochloromethane
Concen: 5.098 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:128 Resp: 20072
Ion Ratio Lower Upper
128 100
49 145.0 102.8 190.8
130 125.1 85.1 158.1
51 44.8 36.2 54.4





#25

Chloroform

Concen: 5.001 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

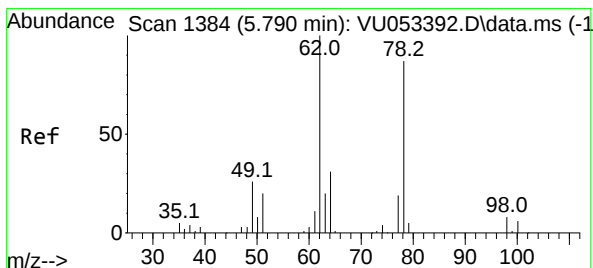
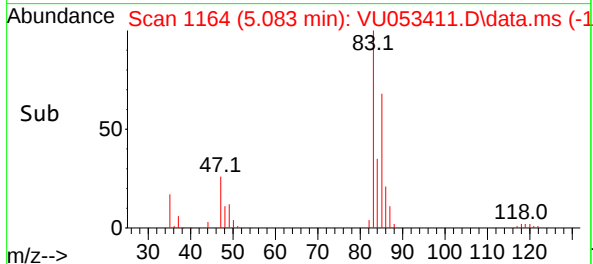
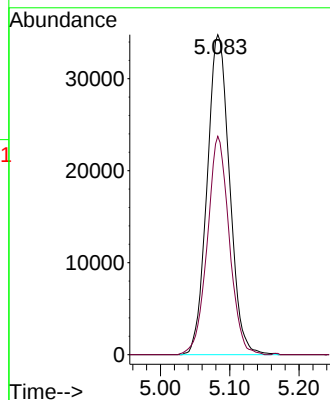
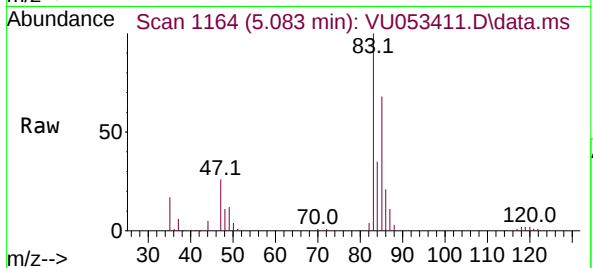
ClientSampleId :

Tgt Ion: 83 Resp: 78247

Ion Ratio Lower Upper

83 100

85 68.3 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.124 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053411.D

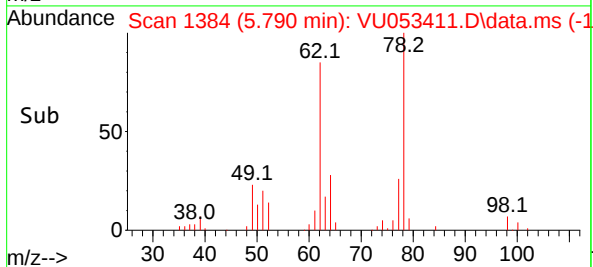
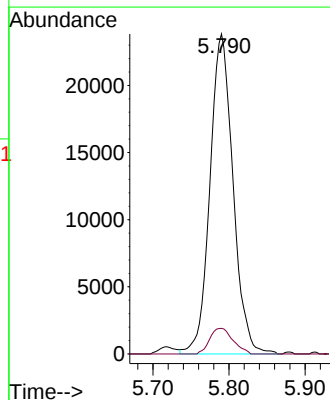
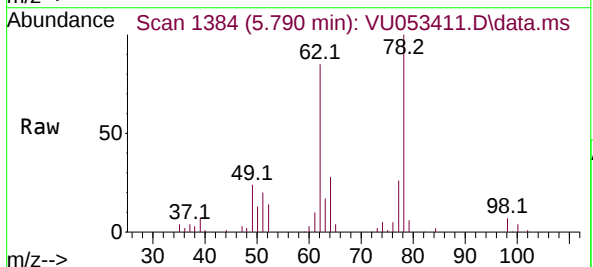
Acq: 24 Mar 2023 23:37

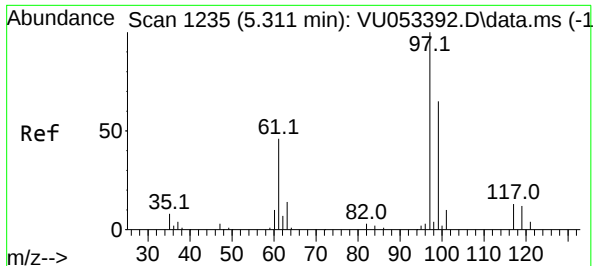
Tgt Ion: 62 Resp: 50224

Ion Ratio Lower Upper

62 100

98 8.0 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 4.911 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

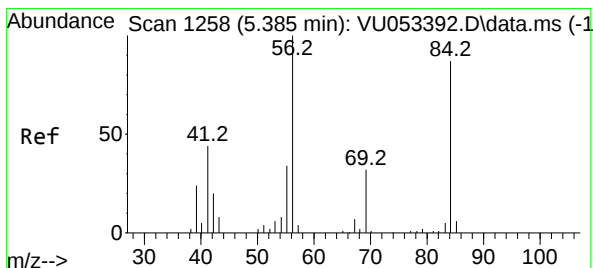
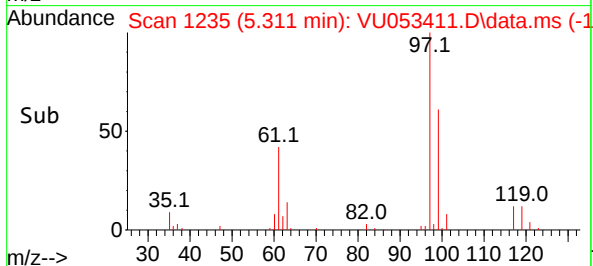
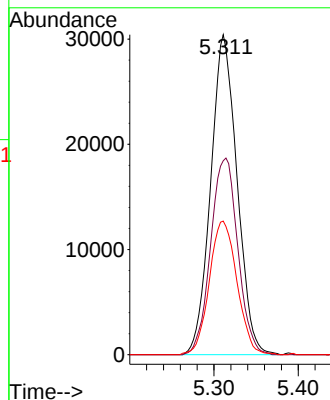
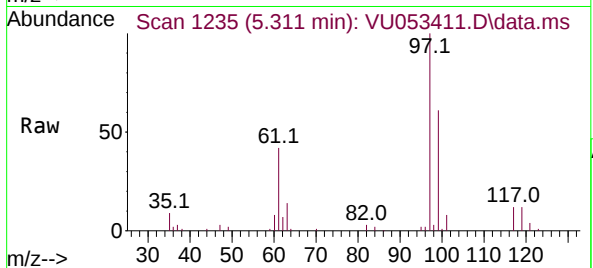
Tgt Ion: 97 Resp: 66151

Ion Ratio Lower Upper

97 100

99 63.4 49.9 74.9

61 43.8 35.7 53.5



#30

Cyclohexane

Concen: 4.557 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

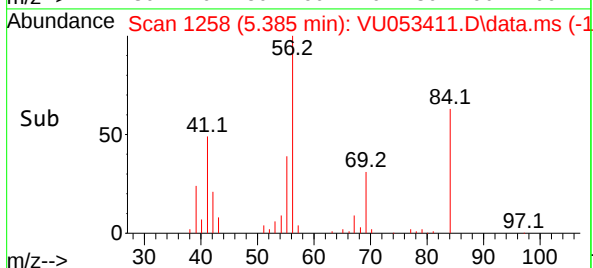
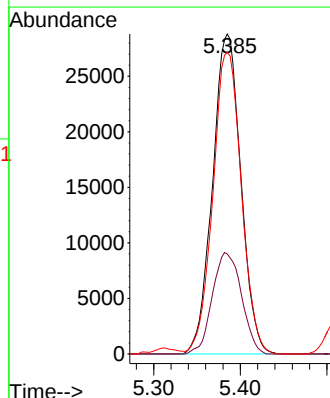
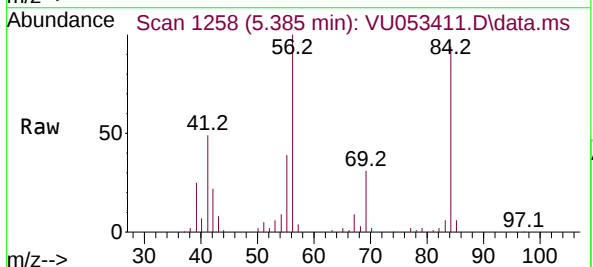
Tgt Ion: 56 Resp: 65400

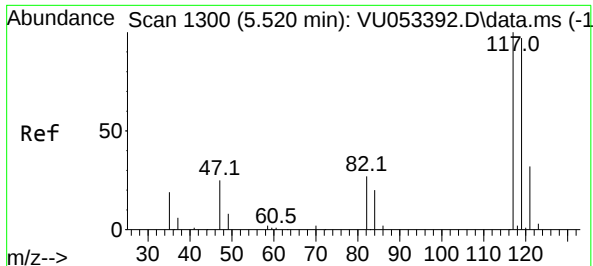
Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

84 94.7 75.6 113.4

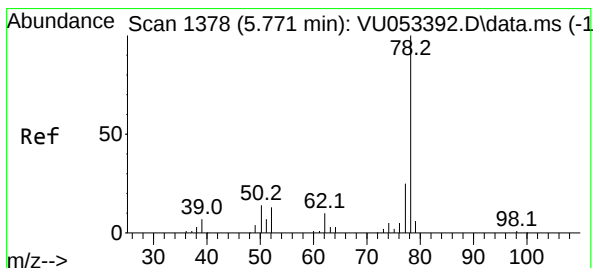
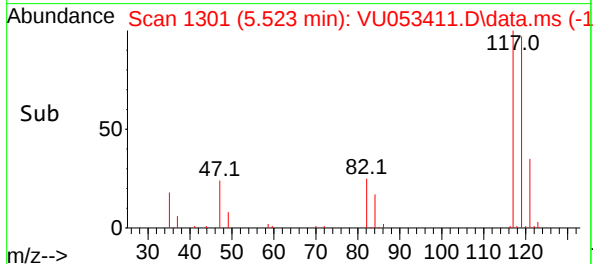
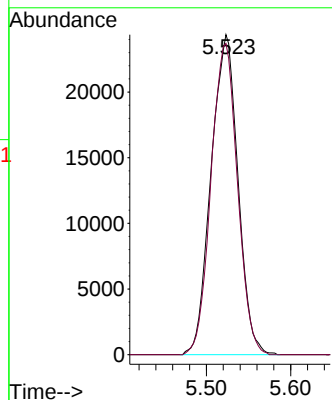
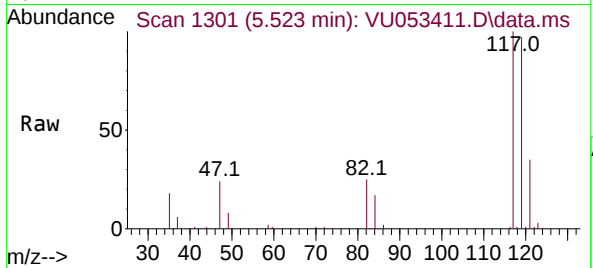




#31
Carbon tetrachloride
Concen: 4.730 ug/L
RT: 5.523 min Scan# 1300
Delta R.T. 0.003 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

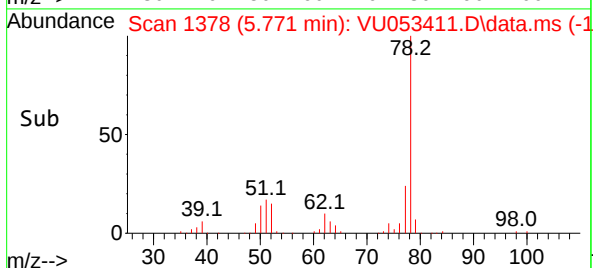
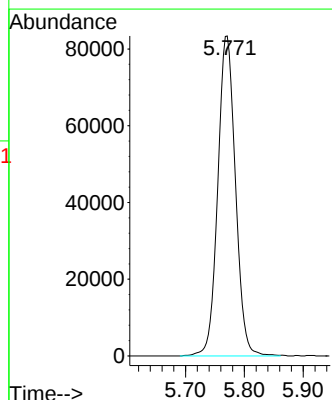
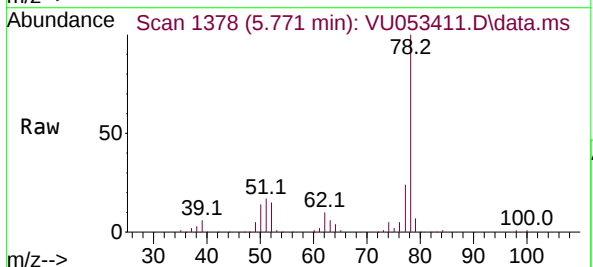
Instrument :
MSVOA_U
ClientSampleId :

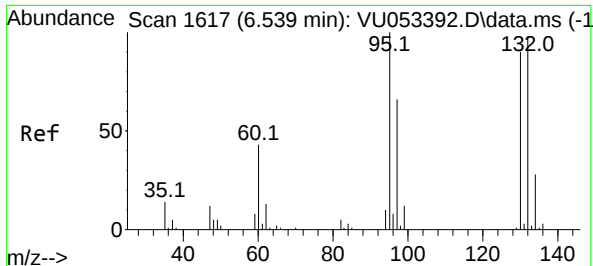
Tgt Ion:117 Resp: 53906
Ion Ratio Lower Upper
117 100
119 95.8 77.7 116.5



#33
Benzene
Concen: 4.763 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion: 78 Resp: 174104





#34

Trichloroethene

Concen: 4.685 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 45609

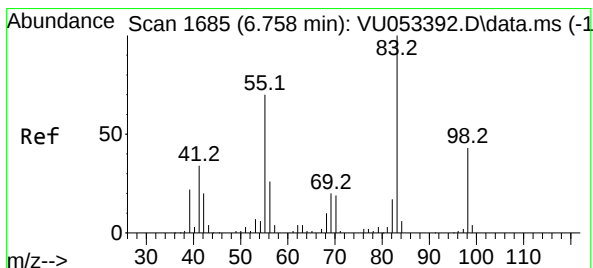
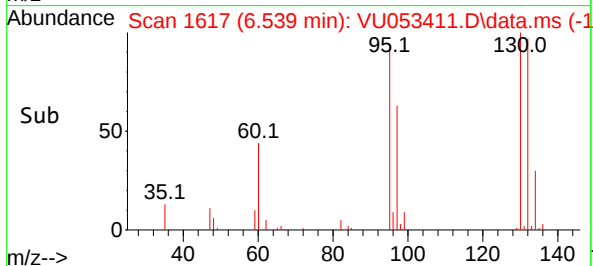
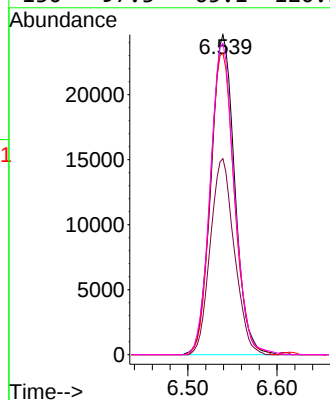
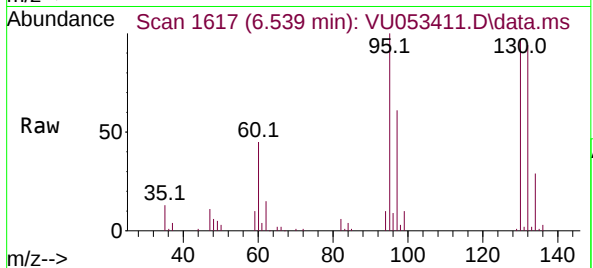
Ion Ratio Lower Upper

95 100

97 61.3 45.3 84.1

132 94.3 62.8 116.6

130 97.3 65.1 120.9



#35

Methylcyclohexane

Concen: 4.202 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

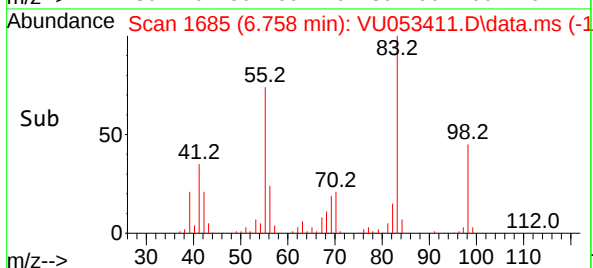
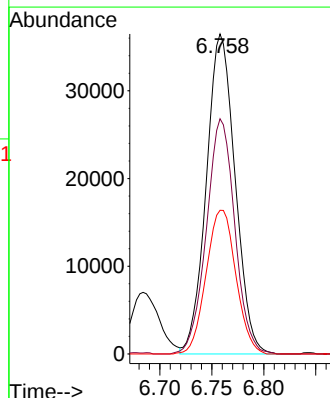
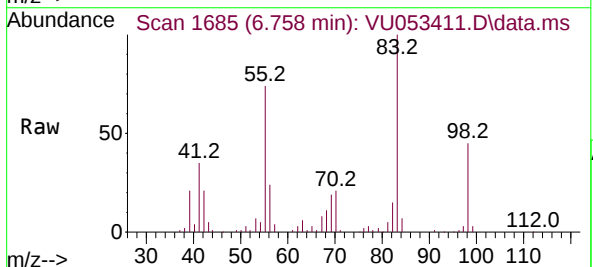
Tgt Ion: 83 Resp: 70193

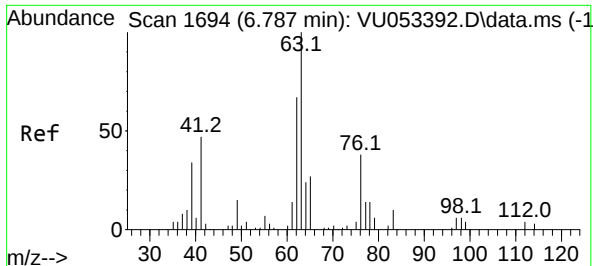
Ion Ratio Lower Upper

83 100

55 72.6 54.9 82.3

98 46.4 34.9 52.3

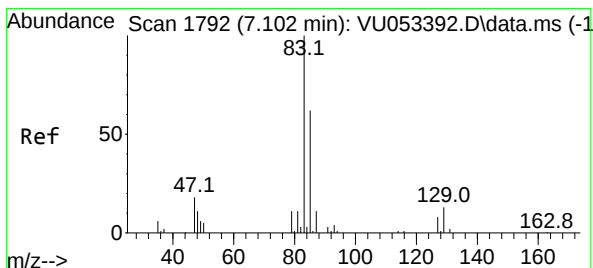
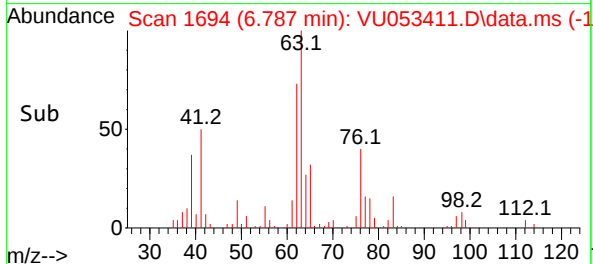
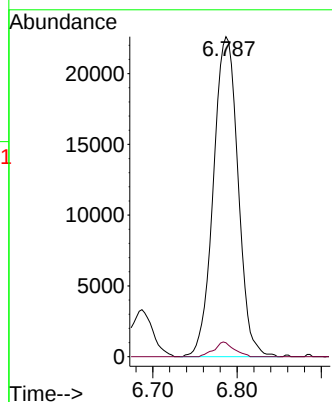
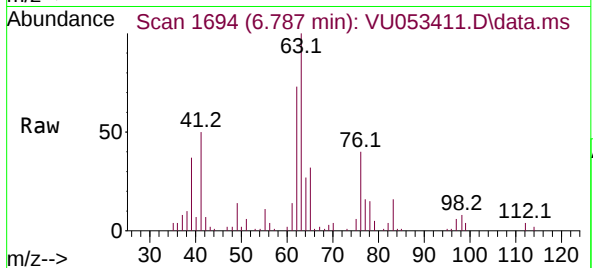




#37
1,2-Dichloropropane
Concen: 4.759 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

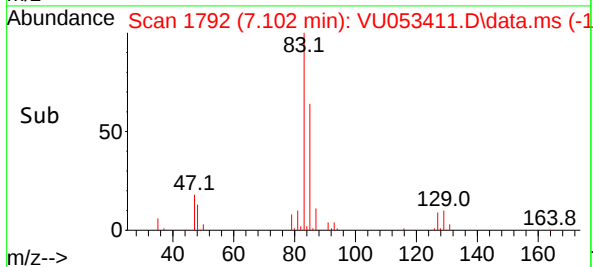
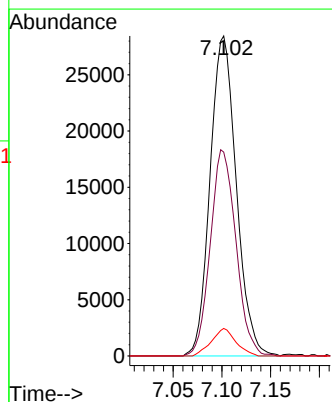
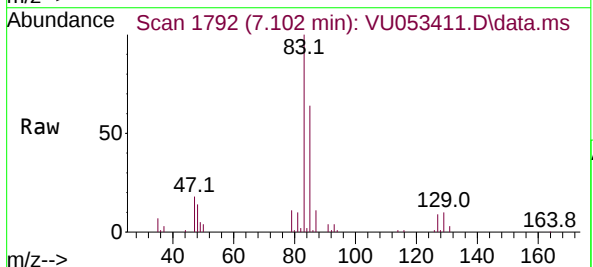
Instrument :
MSVOA_U
ClientSampleId :

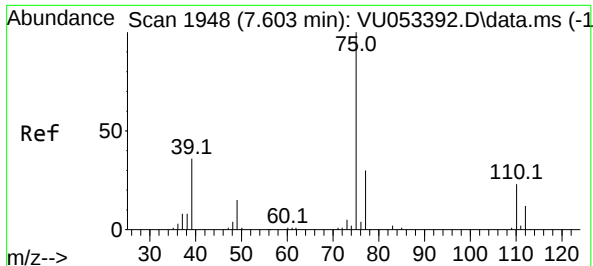
Tgt Ion: 63 Resp: 45939
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 4.968 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion: 83 Resp: 53252
Ion Ratio Lower Upper
83 100
85 63.7 44.0 81.8
127 8.6 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.742 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

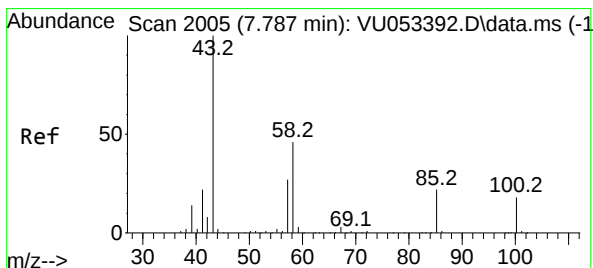
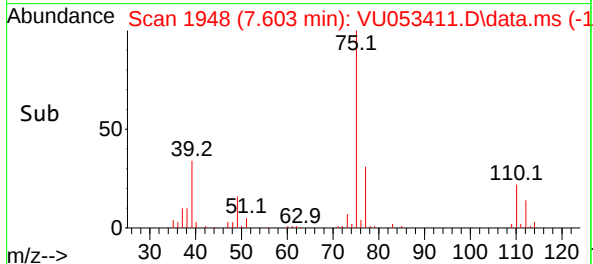
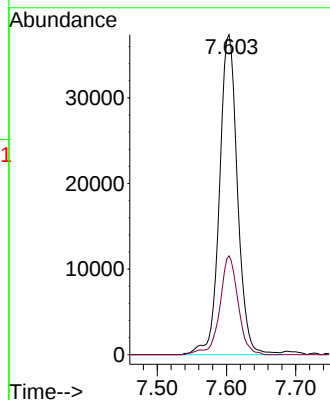
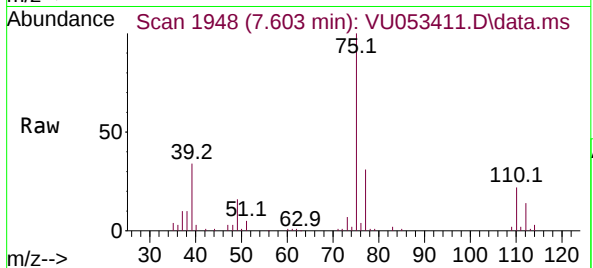
ClientSampleId :

Tgt Ion: 75 Resp: 67613

Ion Ratio Lower Upper

75 100

77 30.9 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.409 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

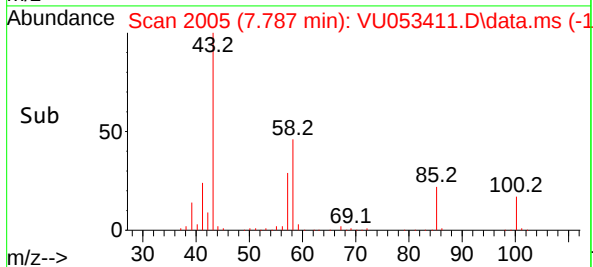
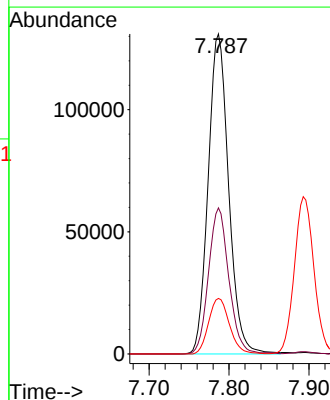
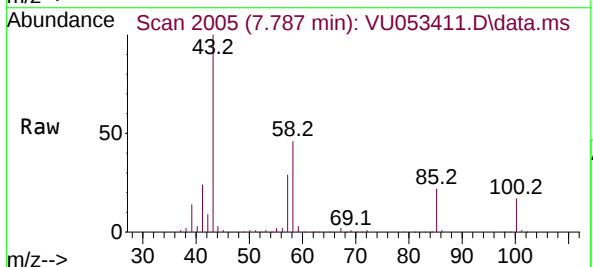
Tgt Ion: 43 Resp: 233372

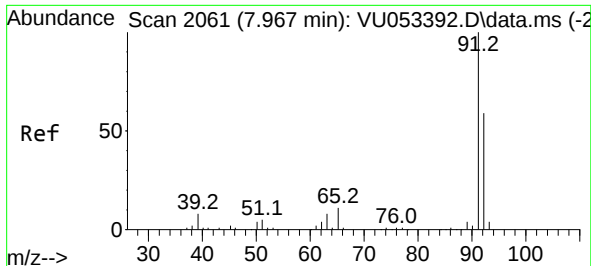
Ion Ratio Lower Upper

43 100

58 45.2 37.4 56.0

100 17.7 14.0 21.0





#42

Toluene

Concen: 4.819 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

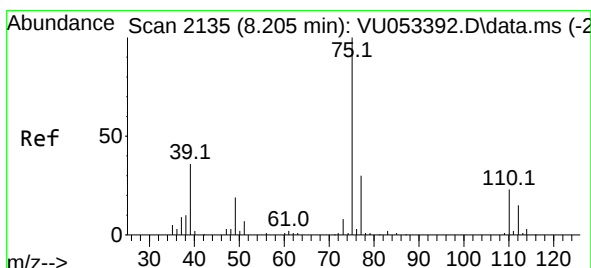
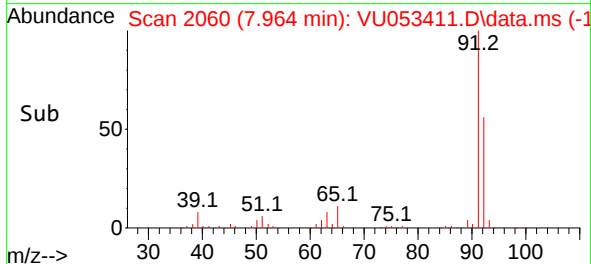
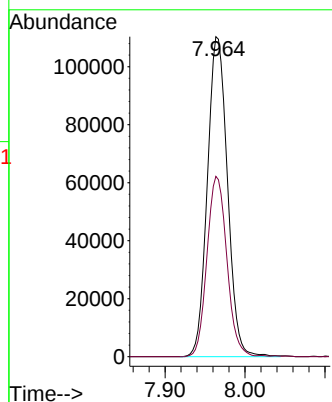
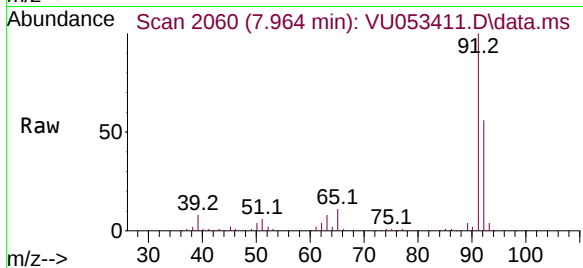
ClientSampleId :

Tgt Ion: 91 Resp: 192469

Ion Ratio Lower Upper

91 100

92 56.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.573 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053411.D

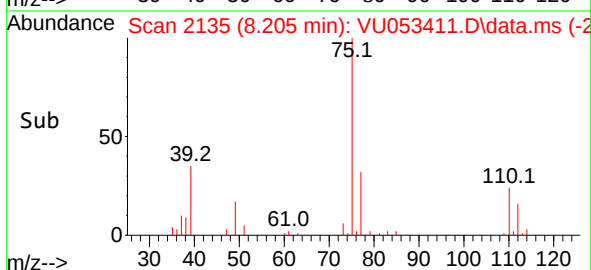
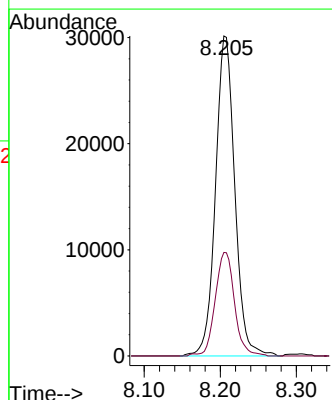
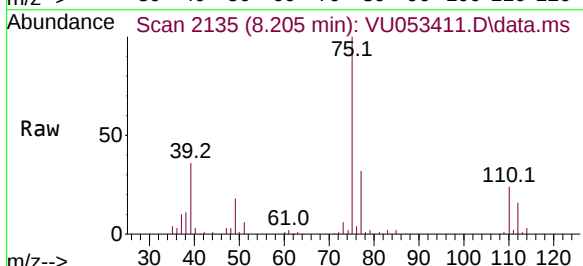
Acq: 24 Mar 2023 23:37

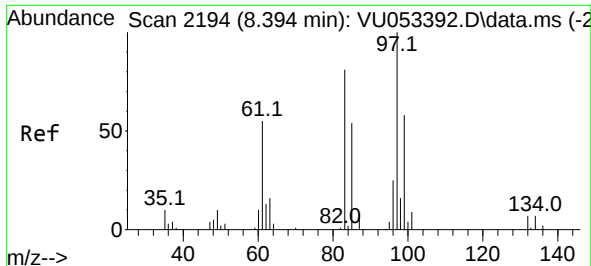
Tgt Ion: 75 Resp: 53057

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 4.857 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 33285

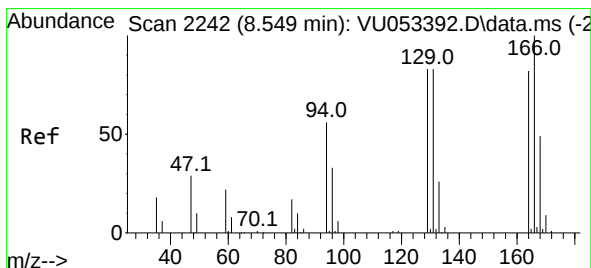
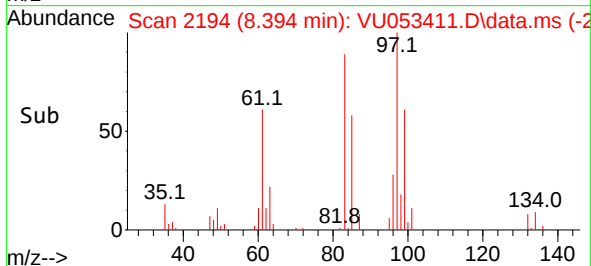
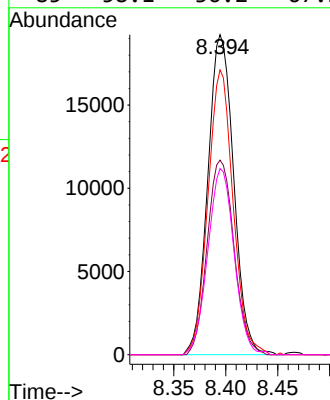
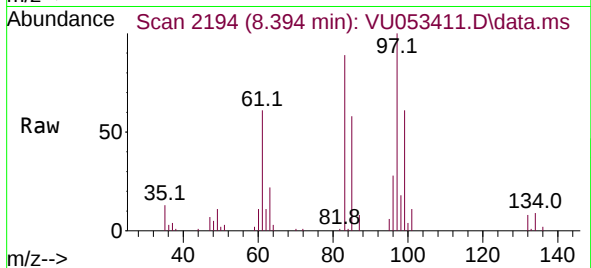
Ion Ratio Lower Upper

97 100

99 60.8 38.9 72.2

83 89.0 57.6 107.0

85 58.1 36.2 67.2



#47

Tetrachloroethene

Concen: 4.429 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Tgt Ion:164 Resp: 31679

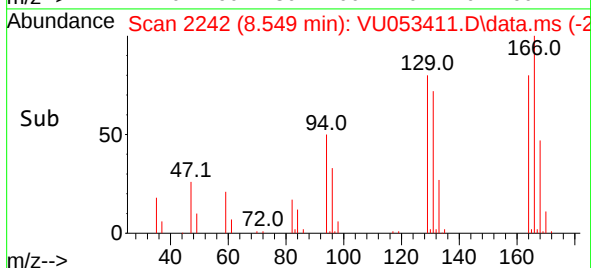
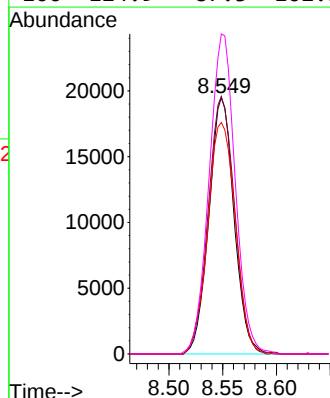
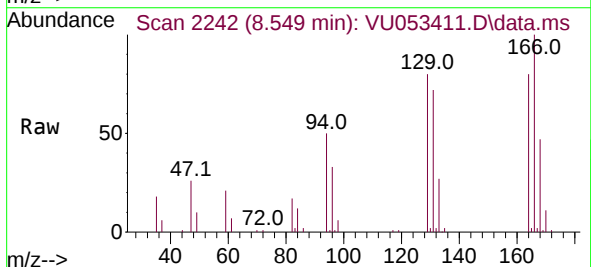
Ion Ratio Lower Upper

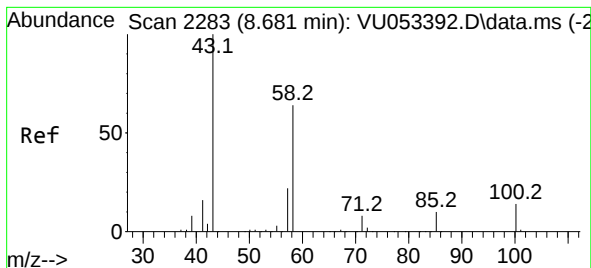
164 100

129 100.5 74.8 138.8

131 90.3 70.1 130.1

166 124.9 87.3 162.1





#48

2-Hexanone

Concen: 49.153 ug/L

RT: 8.681 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 171663

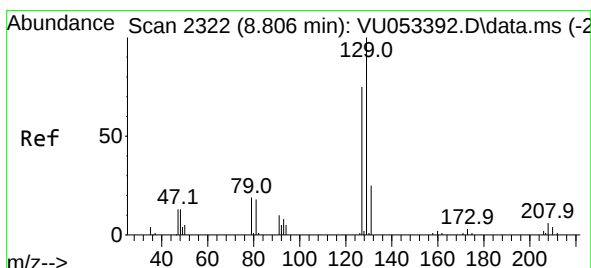
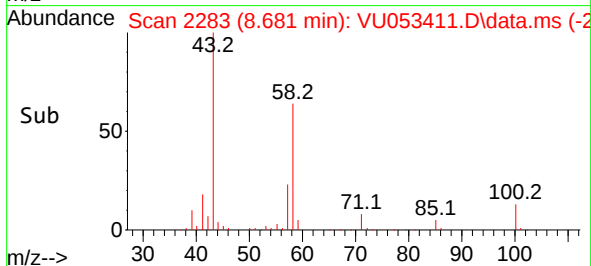
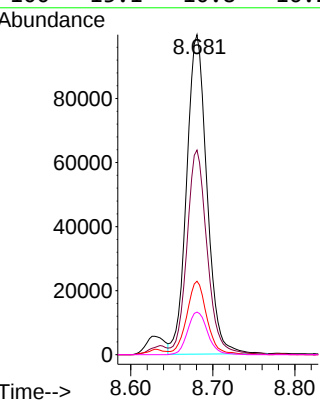
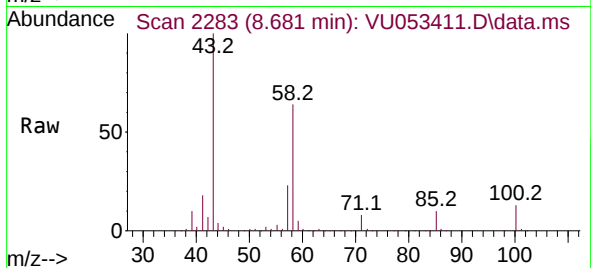
Ion Ratio Lower Upper

43 100

58 63.2 52.8 79.2

57 22.9 17.1 25.7

100 13.1 10.8 16.2



#49

Dibromochloromethane

Concen: 4.918 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VU053411.D

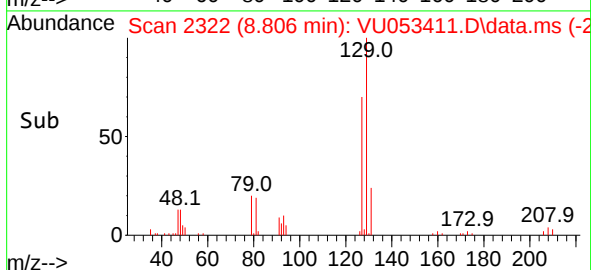
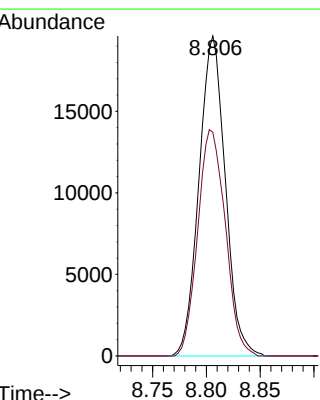
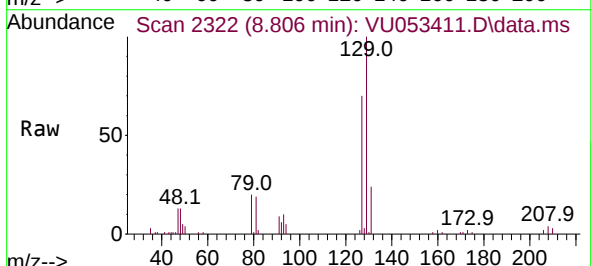
Acq: 24 Mar 2023 23:37

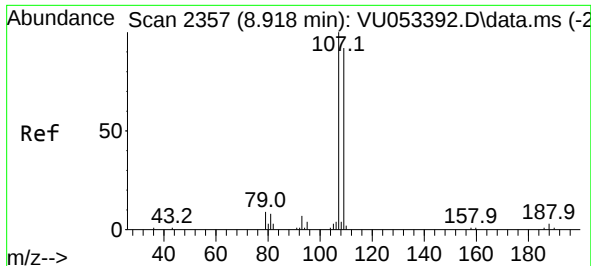
Tgt Ion:129 Resp: 33329

Ion Ratio Lower Upper

129 100

127 69.9 52.2 97.0





#50

1,2-Dibromoethane

Concen: 4.803 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053411.D

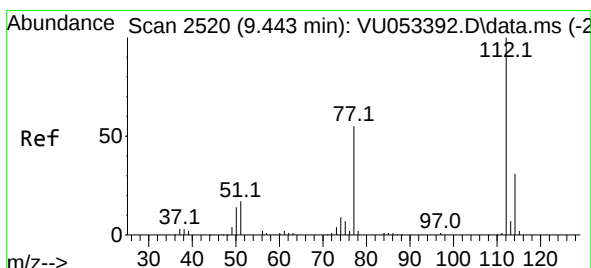
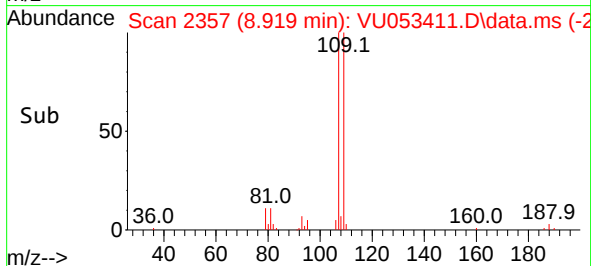
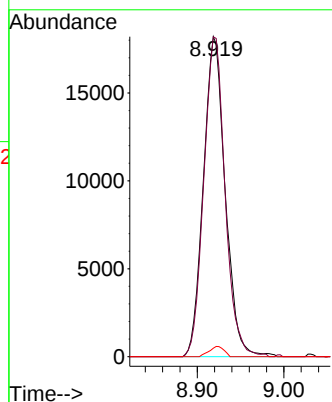
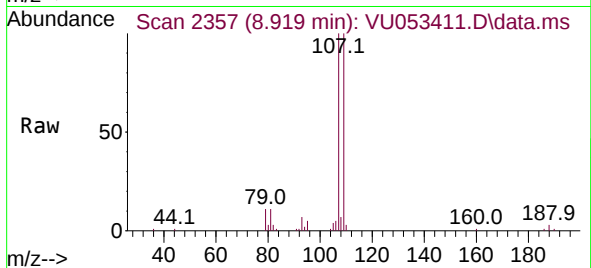
Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	31790
Ion	Ratio	Lower Upper
107	100	
109	100.0	64.7 120.1
188	2.6	3.0 4.6#



#51

Chlorobenzene

Concen: 4.954 ug/L

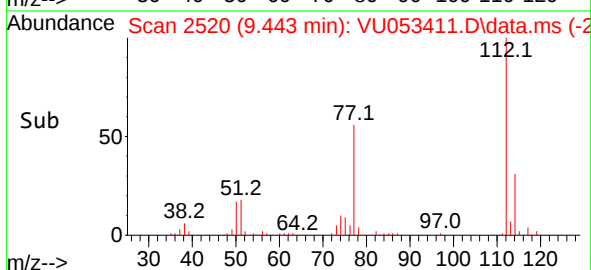
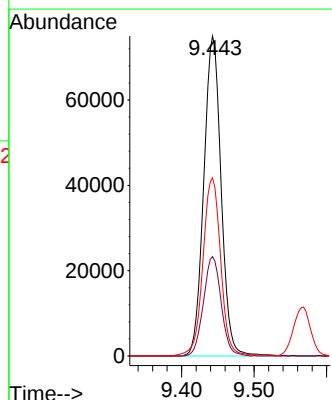
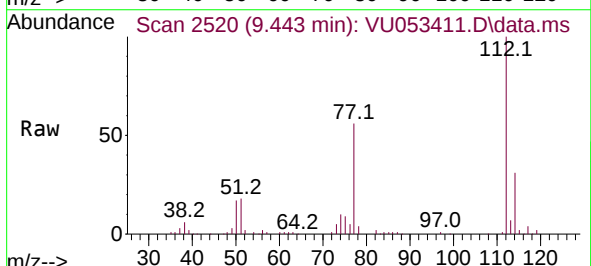
RT: 9.443 min Scan# 2520

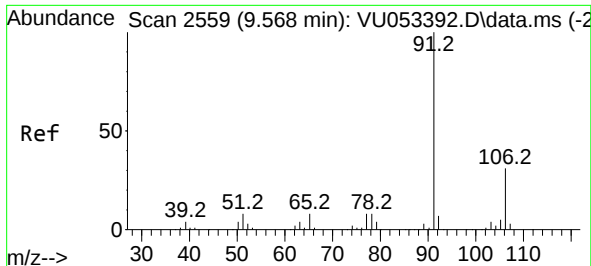
Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Tgt Ion:112	Resp:	124815
Ion	Ratio	Lower Upper
112	100	
114	31.1	22.1 41.1
77	55.6	45.8 68.6

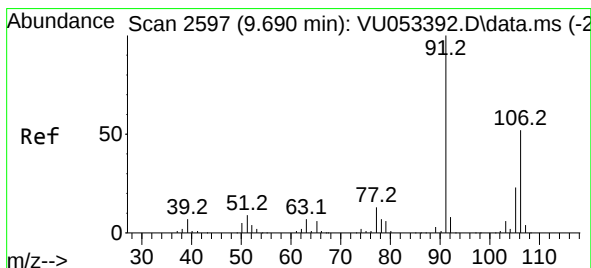
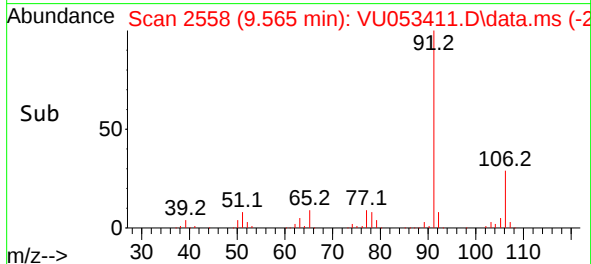
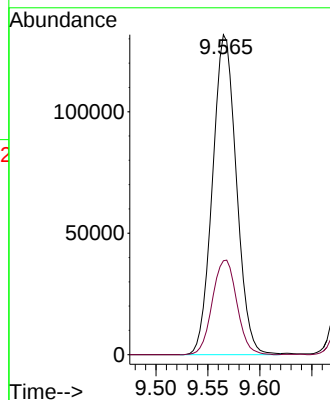
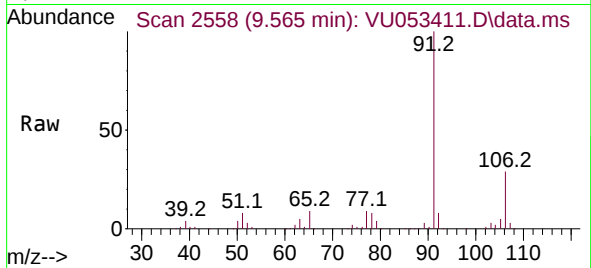




#52
Ethylbenzene
Concen: 4.834 ug/L
RT: 9.565 min Scan# 210477
Delta R.T. -0.003 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

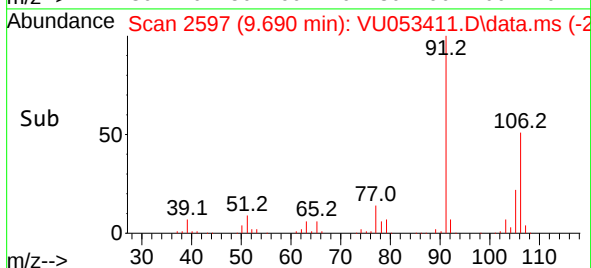
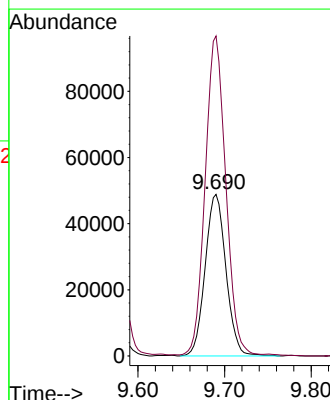
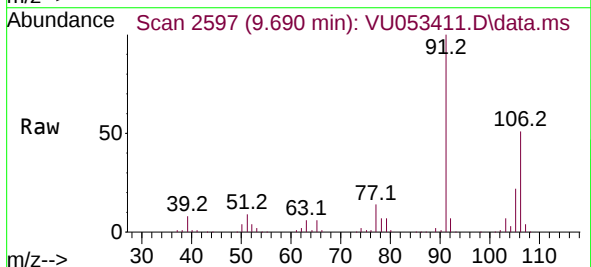
Instrument :
MSVOA_U
ClientSampleId :

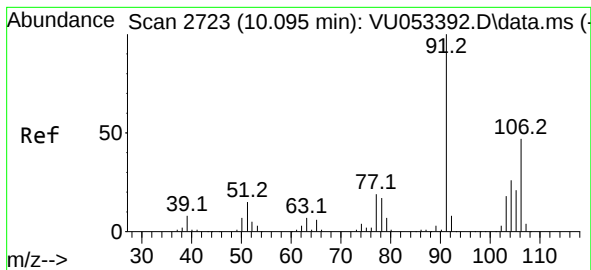
Tgt Ion: 91 Resp: 210477
Ion Ratio Lower Upper
91 100
106 29.4 22.5 41.9



#53
m,p-Xylene
Concen: 4.920 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:106 Resp: 81657
Ion Ratio Lower Upper
106 100
91 198.0 138.8 257.8





#54

o-Xylene

Concen: 5.018 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

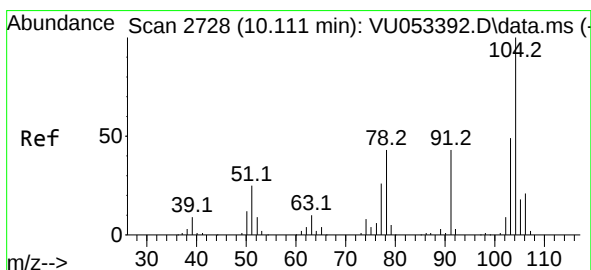
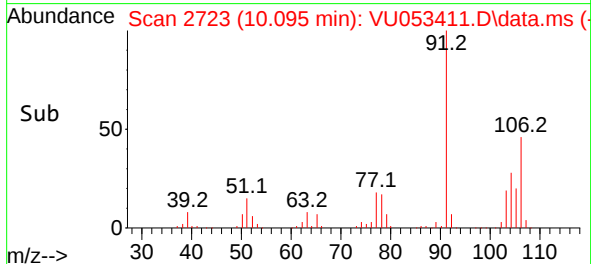
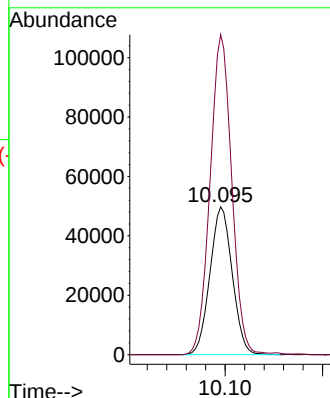
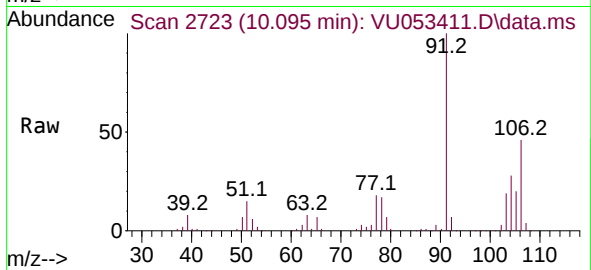
ClientSampleId :

Tgt Ion:106 Resp: 79028

Ion Ratio Lower Upper

106 100

91 216.4 150.8 280.0



#55

Styrene

Concen: 4.925 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU053411.D

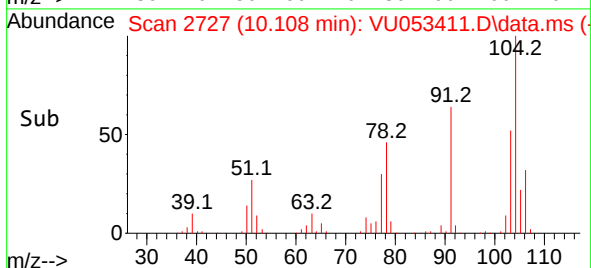
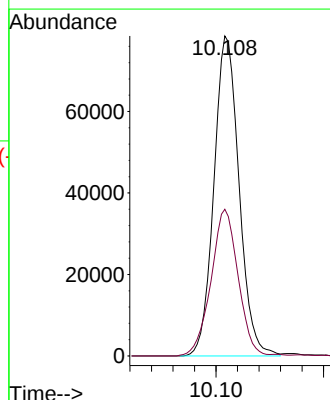
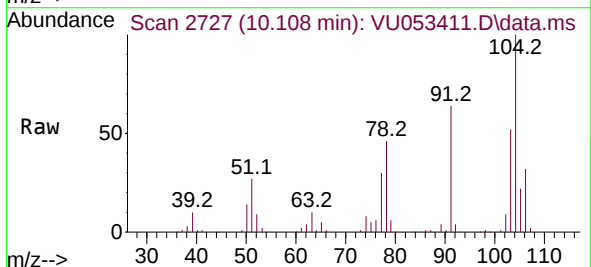
Acq: 24 Mar 2023 23:37

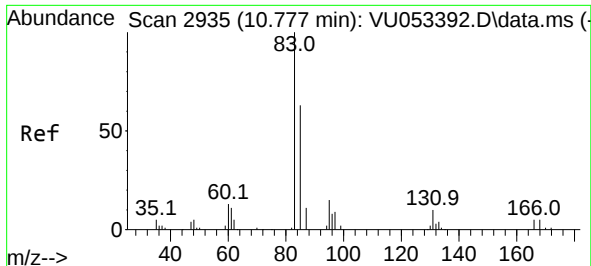
Tgt Ion:104 Resp: 127339

Ion Ratio Lower Upper

104 100

78 45.9 33.0 61.4

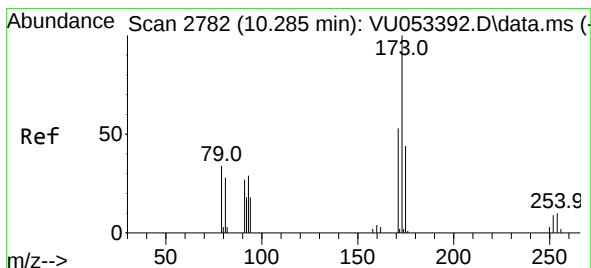
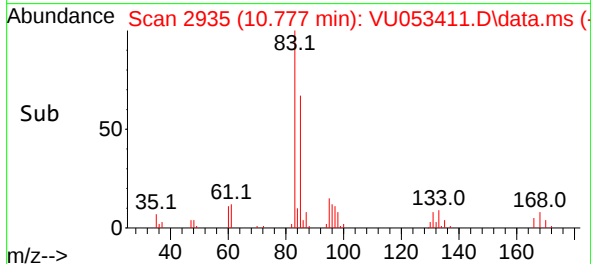
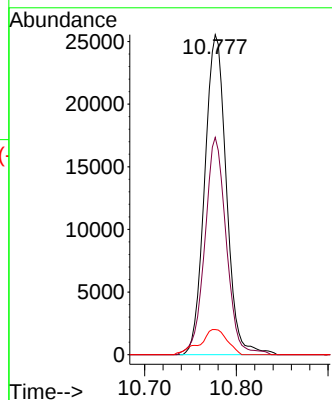
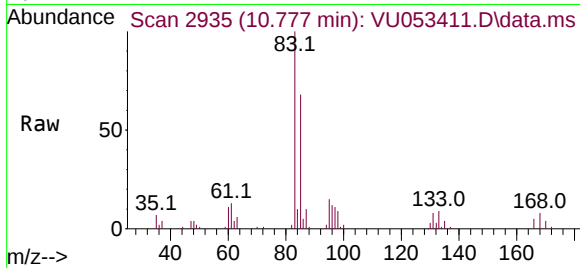




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.837 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

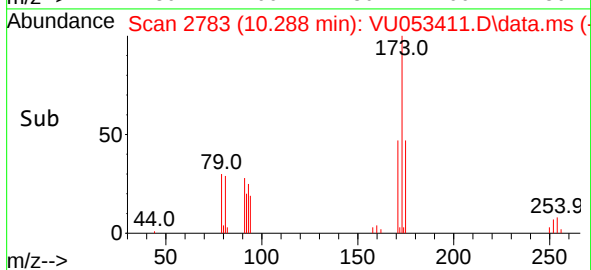
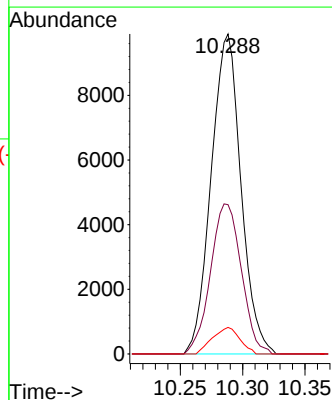
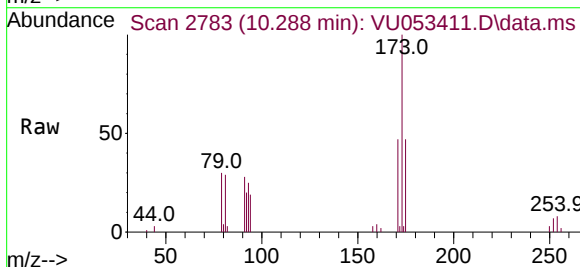
Instrument :
 MSVOA_U
 ClientSampleId :

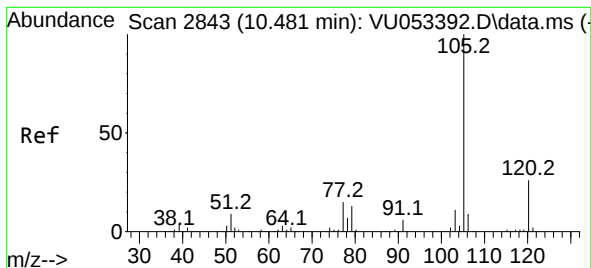
Tgt Ion: 83 Resp: 41863
 Ion Ratio Lower Upper
 83 100
 85 67.9 43.8 81.4
 131 7.9 7.2 10.8



#59
 Bromoform
 Concen: 4.543 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

Tgt Ion:173 Resp: 16456
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.9 59.9
 254 7.6 6.6 9.8





#60

Isopropylbenzene

Concen: 4.874 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

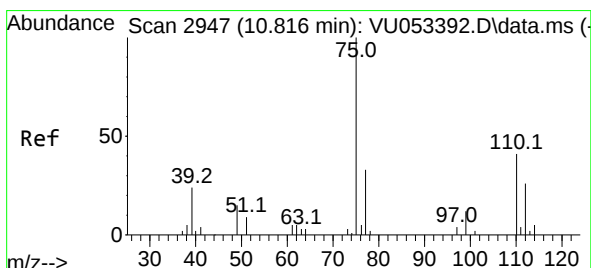
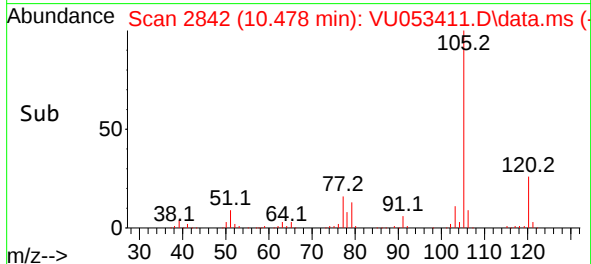
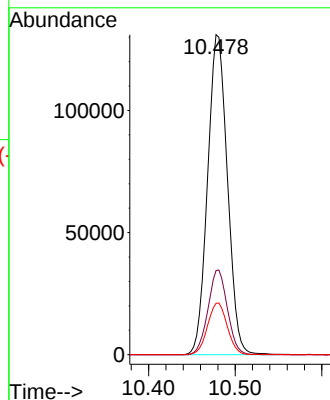
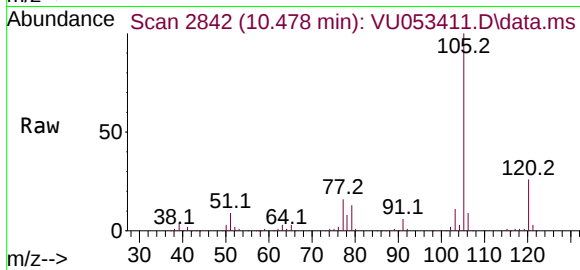
Tgt Ion:105 Resp: 208280

Ion Ratio Lower Upper

105 100

120 25.9 21.5 32.3

77 16.0 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.016 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

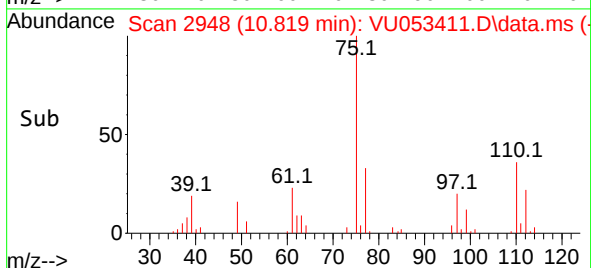
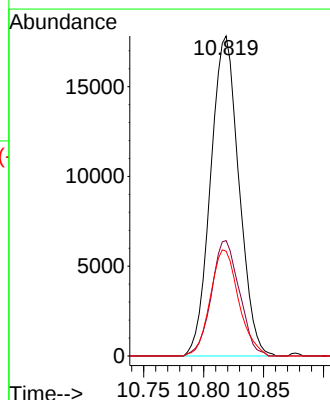
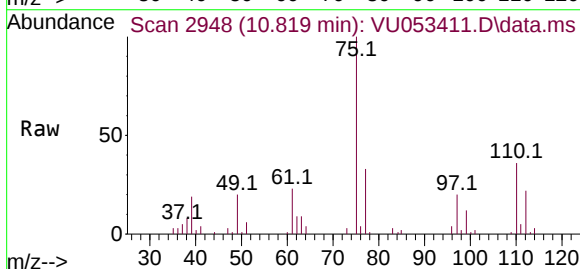
Tgt Ion: 75 Resp: 29239

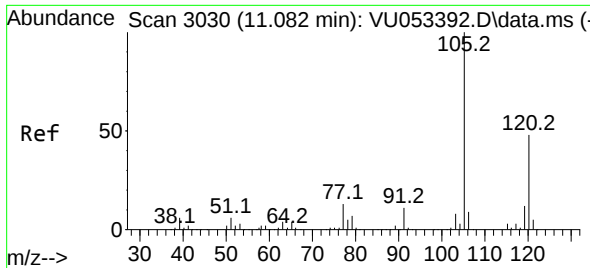
Ion Ratio Lower Upper

75 100

110 35.7 30.6 46.0

77 33.2 26.1 39.1

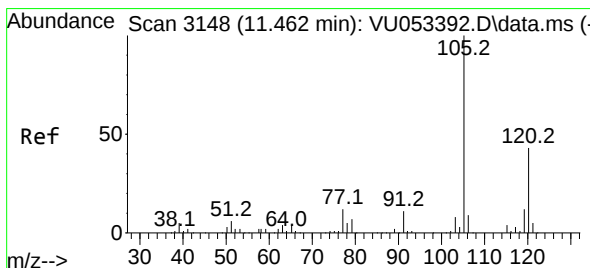
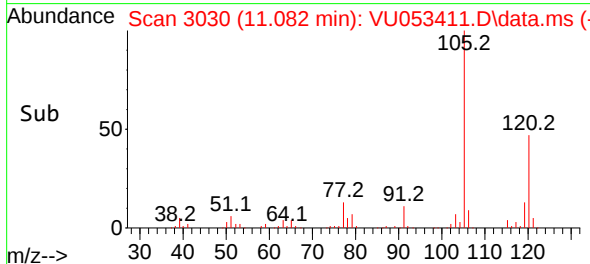
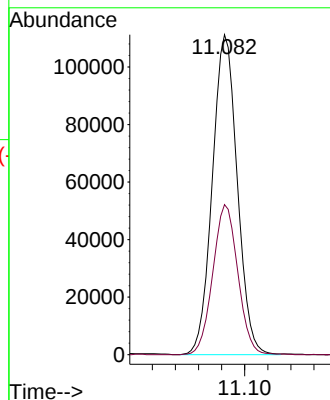
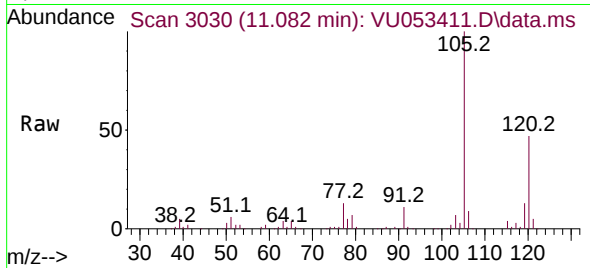




#62
1,3,5-Trimethylbenzene
Concen: 4.800 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

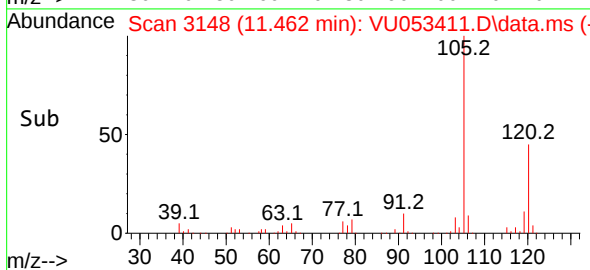
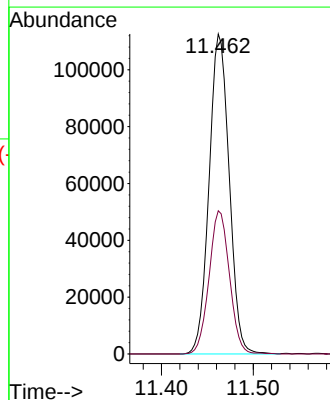
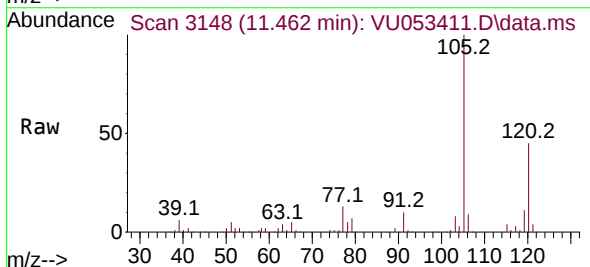
Instrument :
MSVOA_U
ClientSampleId :

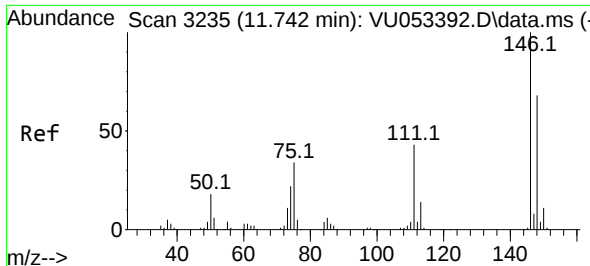
Tgt Ion:105 Resp: 166431
Ion Ratio Lower Upper
105 100
120 47.1 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 4.831 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:105 Resp: 171542
Ion Ratio Lower Upper
105 100
120 45.4 35.4 53.0

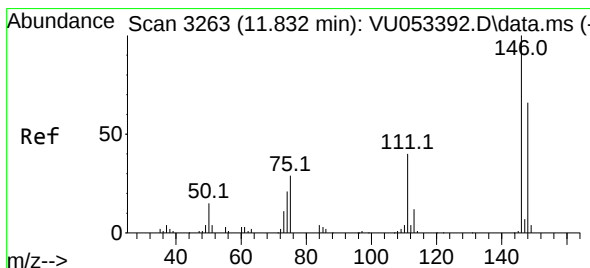
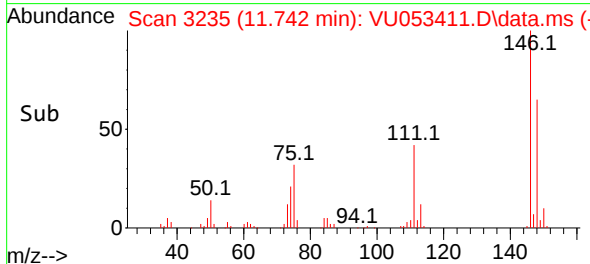
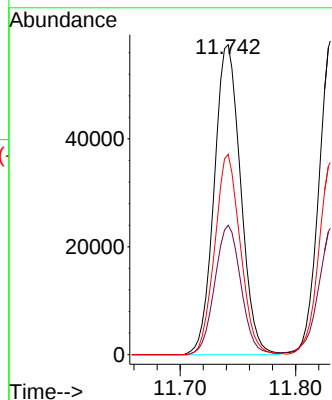
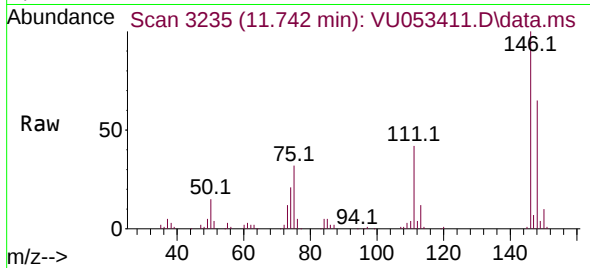




#64
1,3-Dichlorobenzene
Concen: 4.864 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

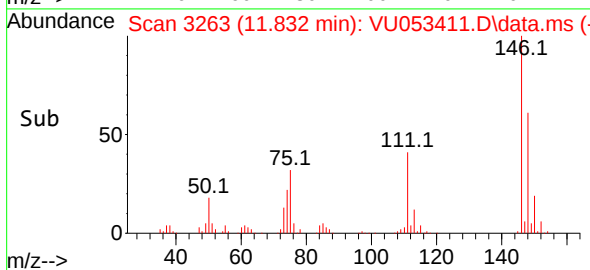
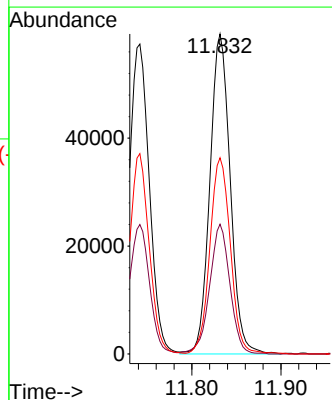
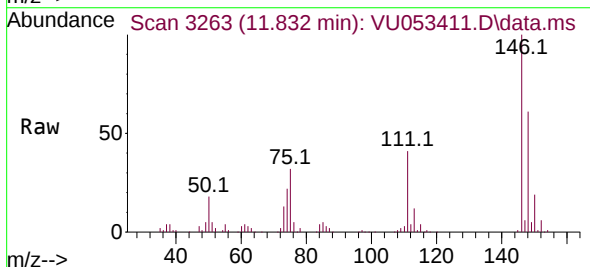
Instrument :
MSVOA_U
ClientSampleId :

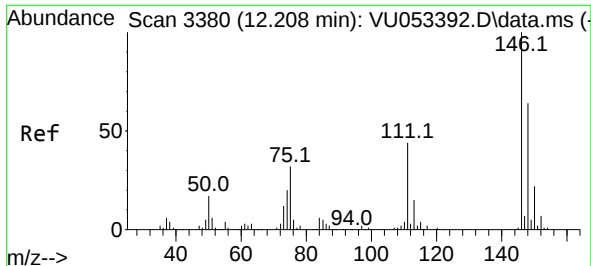
Tgt Ion:146 Resp: 91381
Ion Ratio Lower Upper
146 100
111 41.8 29.4 54.6
148 64.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.975 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:146 Resp: 93847
Ion Ratio Lower Upper
146 100
111 40.6 29.8 55.4
148 61.3 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 4.790 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

Instrument :

MSVOA_U

ClientSampleId :

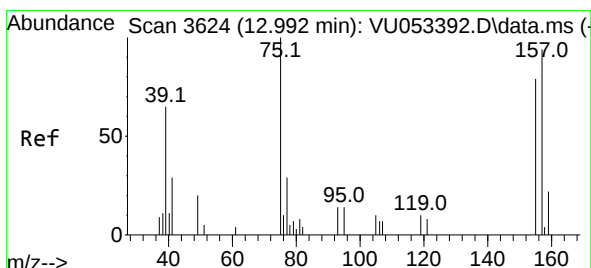
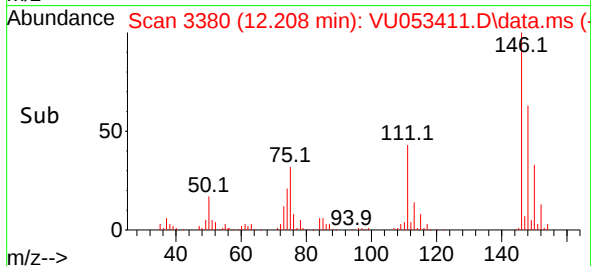
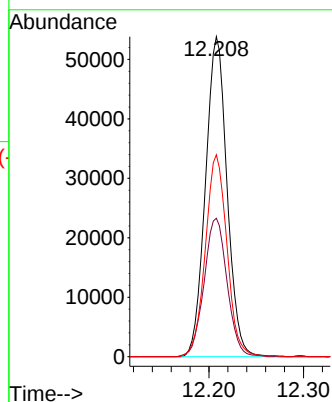
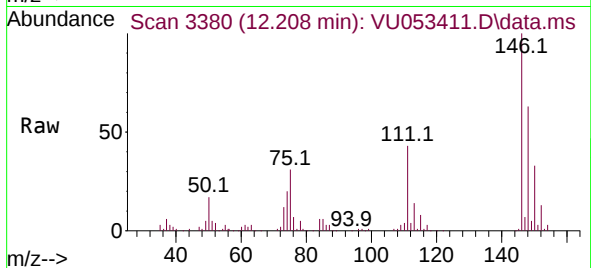
Tgt Ion:146 Resp: 85308

Ion Ratio Lower Upper

146 100

111 43.2 35.0 52.6

148 63.1 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.836 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053411.D

Acq: 24 Mar 2023 23:37

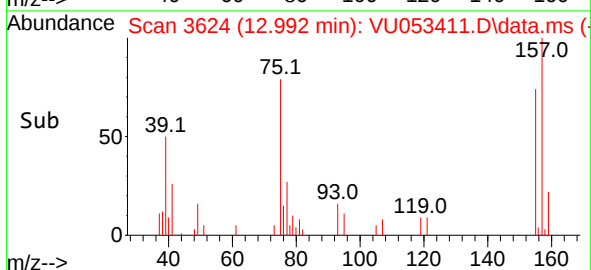
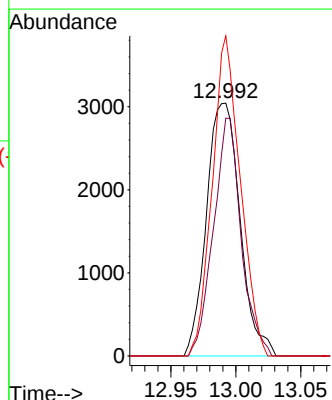
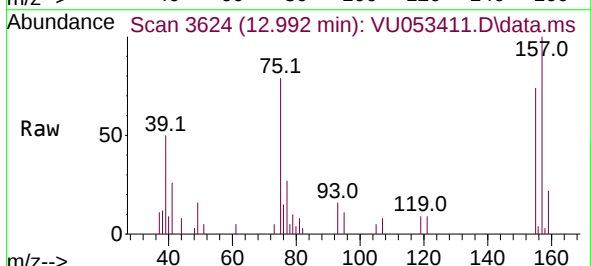
Tgt Ion: 75 Resp: 5466

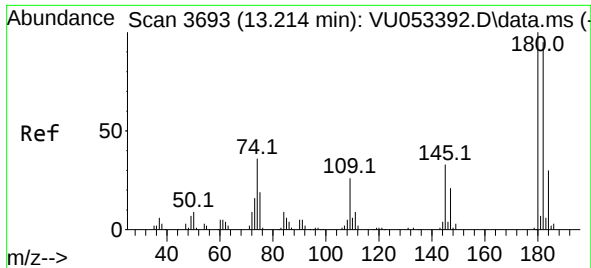
Ion Ratio Lower Upper

75 100

155 94.1 63.9 95.9

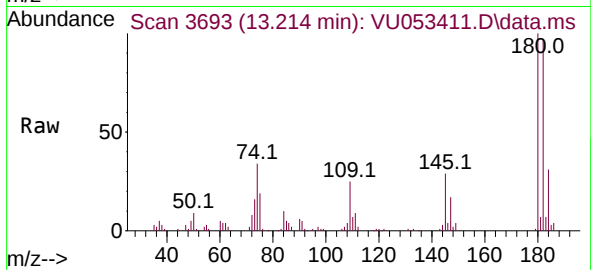
157 126.6 74.1 111.1#



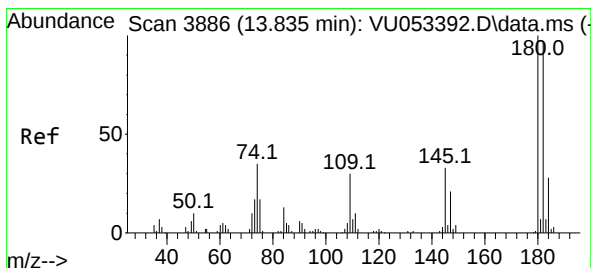
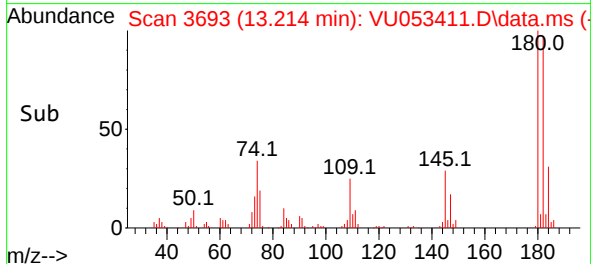
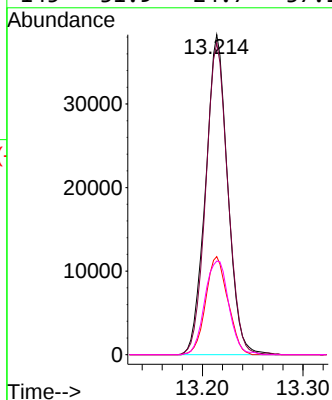


#69
 1,3,5-Trichlorobenzene
 Concen: 4.454 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

Instrument :
 MSVOA_U
 ClientSampleId :

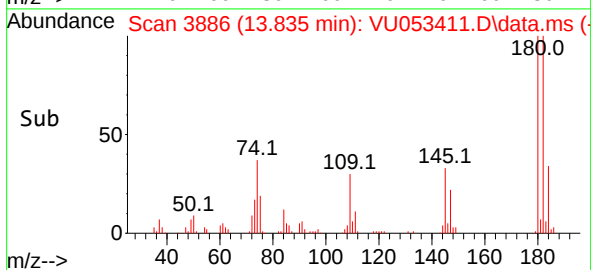
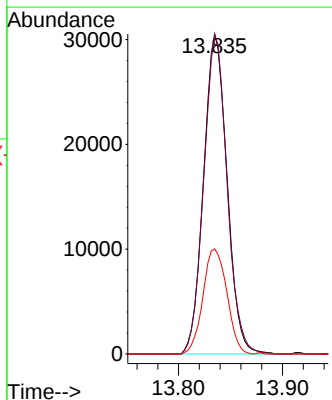
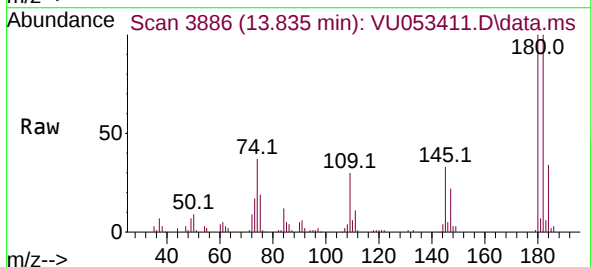


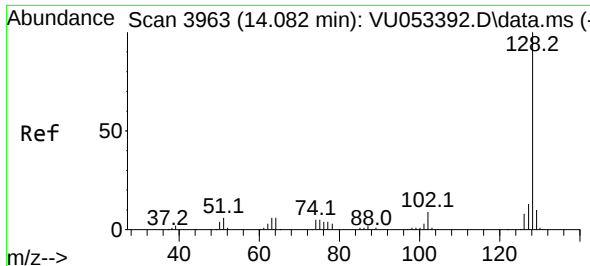
Tgt Ion:	180	Resp:	58419
Ion Ratio	Lower	Upper	
180	100		
182	97.0	76.7	115.1
184	30.9	24.1	36.1
145	31.9	24.7	37.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.587 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053411.D
 Acq: 24 Mar 2023 23:37

Tgt Ion:	180	Resp:	47830
Ion Ratio	Lower	Upper	
180	100		
182	99.1	75.4	113.2
145	33.4	25.8	38.8

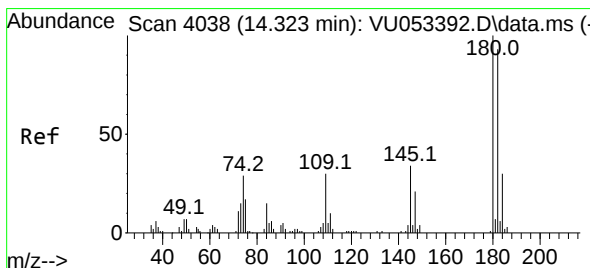
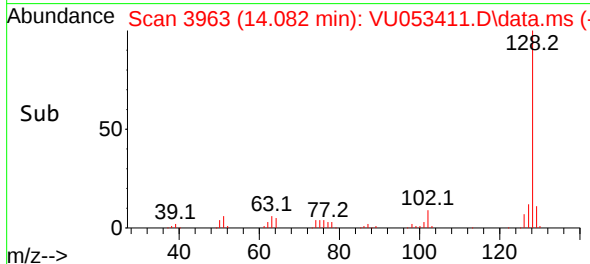
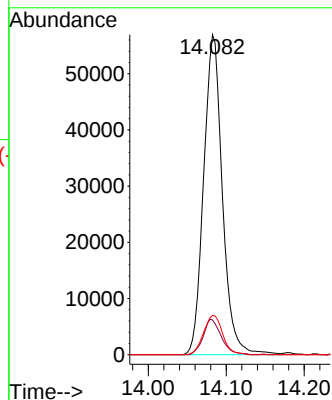
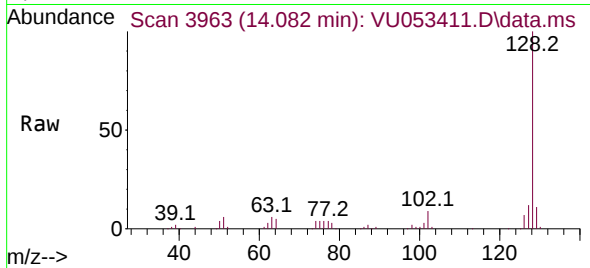




#71
Naphthalene
Concen: 4.851 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 95293
Ion Ratio Lower Upper
128 100
129 10.6 8.2 12.4
127 12.5 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 4.728 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053411.D
Acq: 24 Mar 2023 23:37

Tgt Ion:180 Resp: 43033
Ion Ratio Lower Upper
180 100
182 99.5 74.8 112.2
145 34.0 26.3 39.5

