

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052954.D
 Acq On : 03 Feb 2023 19:14
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 23:50:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	205990	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203581	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	122530	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56596	38.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.909	69	56774	46.473	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.940%
11) 1,1-Dichloroethene-d2	2.568	63	128342	43.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.040%
21) 2-Butanone-d5	4.616	46	74971	81.856	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.860%
24) Chloroform-d	5.057	84	155722	49.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.420%
26) 1,2-Dichloroethane-d4	5.697	65	98168	48.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.180%
32) Benzene-d6	5.722	84	276940	44.526	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
36) 1,2-Dichloropropane-d6	6.684	67	81008	44.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.820%
41) Toluene-d8	7.893	98	258335	45.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.220%
43) trans-1,3-Dichloroprop...	8.176	79	42768	46.777	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.560%
47) 2-Hexanone-d5	8.629	63	51027	79.611	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.610%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	120510	44.714	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.420%
66) 1,2-Dichlorobenzene-d4	12.188	152	110506	46.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	90305	46.818	ug/L	100
3) Chloromethane	1.520	50	75895	47.707	ug/L	98
5) Vinyl chloride	1.604	62	86834	49.339	ug/L	99
6) Bromomethane	1.854	94	60332	54.357	ug/L	99
8) Chloroethane	1.932	64	57482	52.001	ug/L	96
9) Trichlorofluoromethane	2.137	101	157807	53.534	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79661	47.944	ug/L	95
12) 1,1-Dichloroethene	2.578	96	74102	48.629	ug/L	98
13) Acetone	2.626	43	68056	60.840	ug/L	98
14) Carbon disulfide	2.790	76	207017	44.980	ug/L	100
15) Methyl Acetate	2.944	43	62998	41.799	ug/L	96
16) Methylene chloride	3.044	84	89951	49.623	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	78620	47.742	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	239555	49.472	ug/L	98
19) 1,1-Dichloroethane	3.864	63	141431	48.970	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	86584	49.245	ug/L	97
22) 2-Butanone	4.697	43	89862	75.158	ug/L	97
23) Bromochloromethane	4.967	128	49476	50.111	ug/L	97
25) Chloroform	5.083	83	162368	50.080	ug/L	98

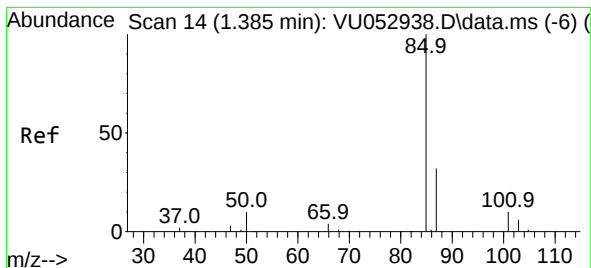
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	129848	50.589	ug/L	99
29) Cyclohexane	5.385	56	110123	45.648	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	149343	49.872	ug/L	99
31) Carbon tetrachloride	5.520	117	130289	50.191	ug/L	97
33) Benzene	5.767	78	336828	48.605	ug/L	100
34) Trichloroethene	6.539	95	85846	48.738	ug/L	98
35) Methylcyclohexane	6.758	83	128835	46.214	ug/L	98
37) 1,2-Dichloropropane	6.787	63	81130	47.619	ug/L #	94
38) Bromodichloromethane	7.102	83	126224	50.486	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	127612	47.815	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	172526	85.952	ug/L	99
42) Toluene	7.963	91	362095	50.983	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	126287	48.150	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	84653	48.588	ug/L	99
46) Tetrachloroethene	8.549	164	73573	48.509	ug/L	97
48) 2-Hexanone	8.677	43	130897	77.085	ug/L	97
49) Dibromochloromethane	8.806	129	103526	49.688	ug/L	99
50) 1,2-Dibromoethane	8.918	107	91125	48.596	ug/L	99
51) Chlorobenzene	9.443	112	240872	49.295	ug/L	98
52) Ethylbenzene	9.565	91	388357	51.167	ug/L	99
53) m,p-Xylene	9.690	106	158311	51.522	ug/L	97
54) o-xylene	10.095	106	151354	51.598	ug/L	96
55) Styrene	10.108	104	268604	53.362	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	132680	47.056	ug/L	97
59) Bromoform	10.285	173	76772	45.723	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	102873	43.282	ug/L	99
61) Isopropylbenzene	10.478	105	393396	49.711	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	333529	50.617	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	328855	51.576	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	192809	48.291	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	199109	48.172	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	201591	49.918	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	28181	41.365	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	142872	48.336	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	122749	49.533	ug/L	97
71) Naphthalene	14.082	128	343102	48.179	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	129284	49.365	ug/L	98

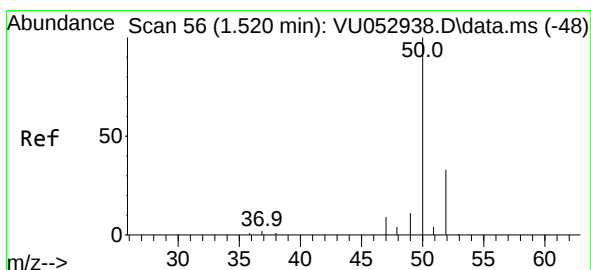
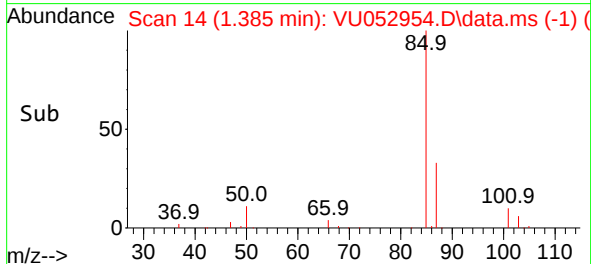
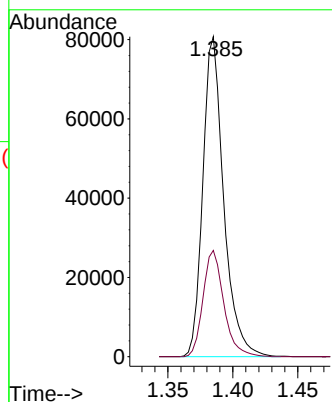
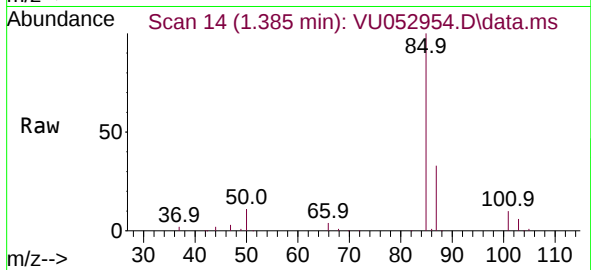
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 46.818 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

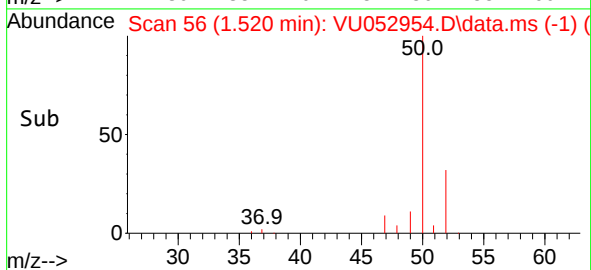
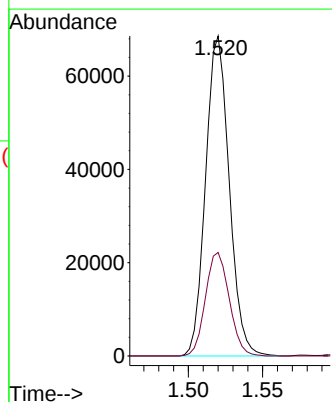
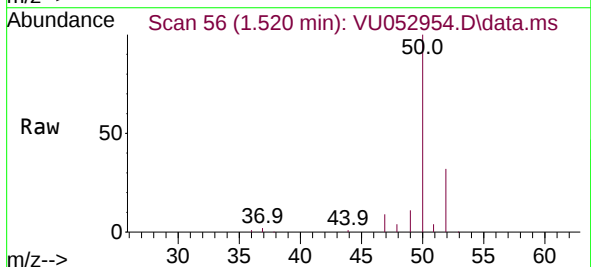
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 MSVOA_U
 ClientSampleId :

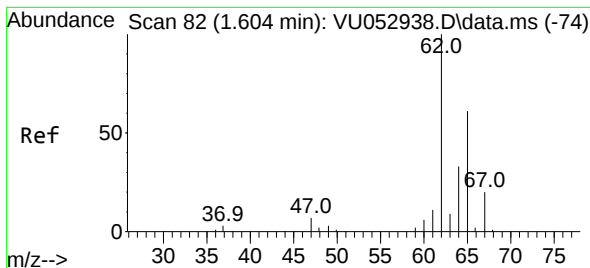
Tgt Ion: 85 Resp: 90305
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.4 39.6



#3
 Chloromethane
 Concen: 47.707 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

Tgt Ion: 50 Resp: 75895
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.4 43.4





#5

Vinyl chloride

Concen: 49.339 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

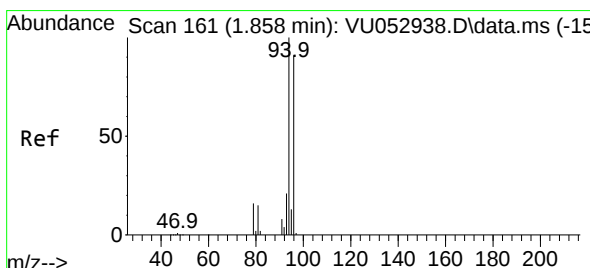
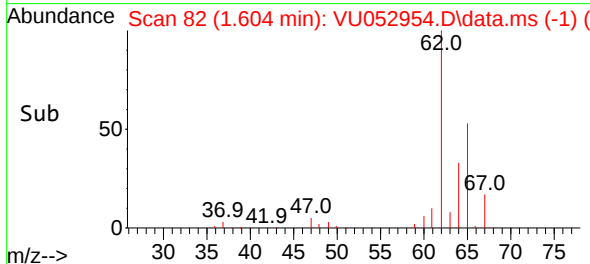
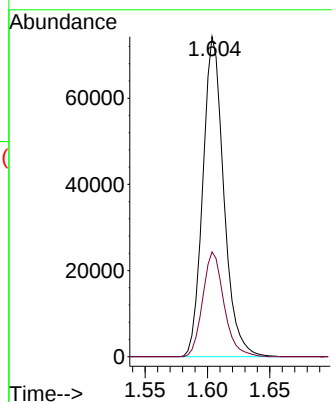
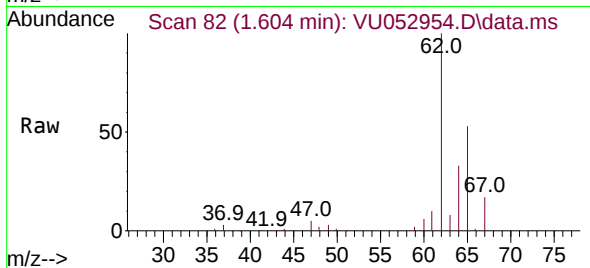
ClientSampleId :

Tgt Ion: 62 Resp: 86834

Ion Ratio Lower Upper

62 100

64 32.8 22.4 41.6



#6

Bromomethane

Concen: 54.357 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052954.D

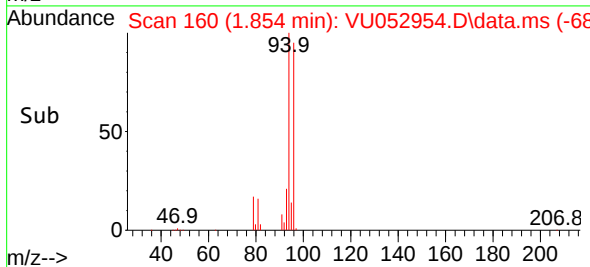
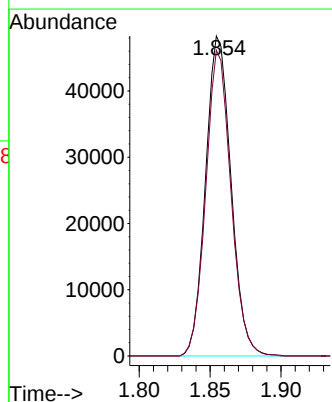
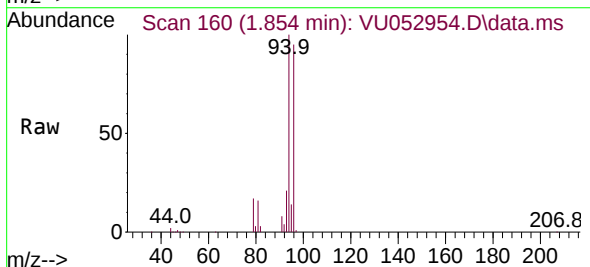
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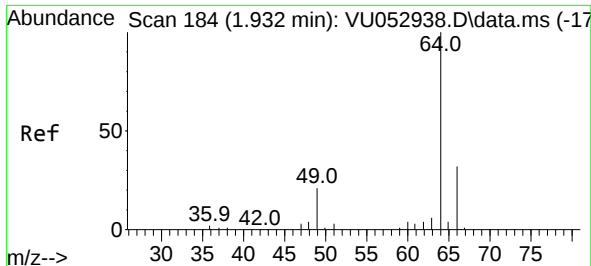
Tgt Ion: 94 Resp: 60332

Ion Ratio Lower Upper

94 100

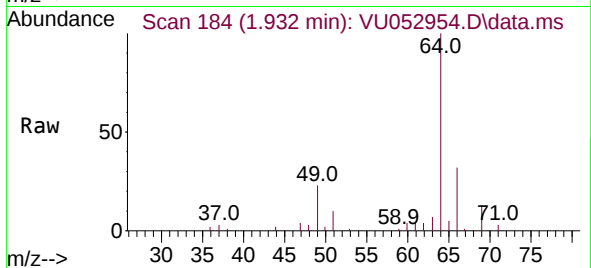
96 95.5 67.8 125.8



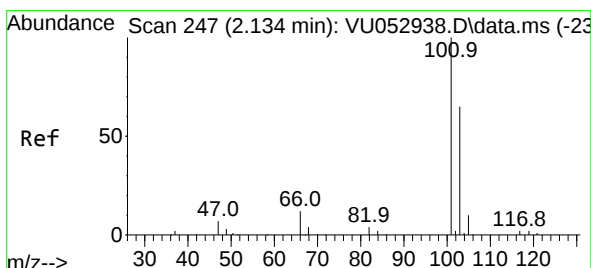
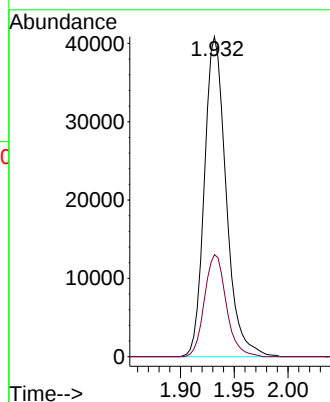
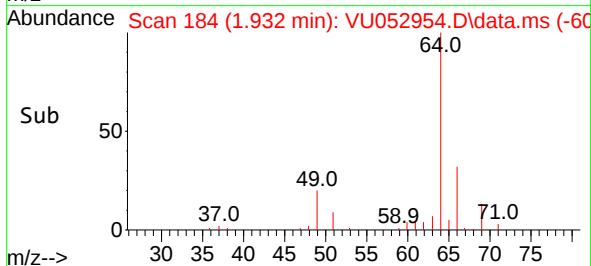


#8
Chloroethane
Concen: 52.001 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Instrument :
MSVOA_U
ClientSampleId :

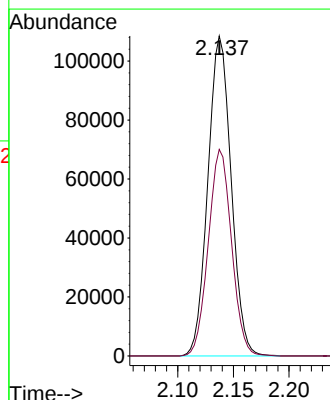
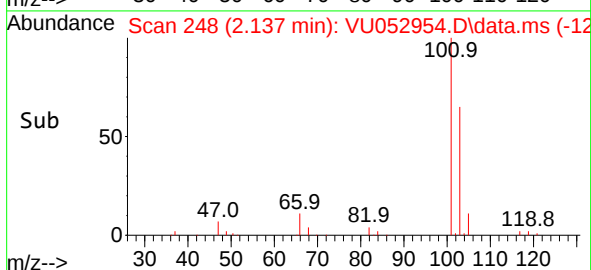
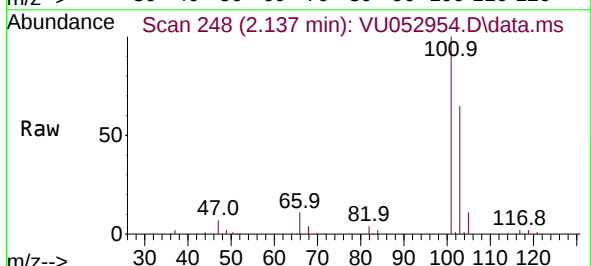


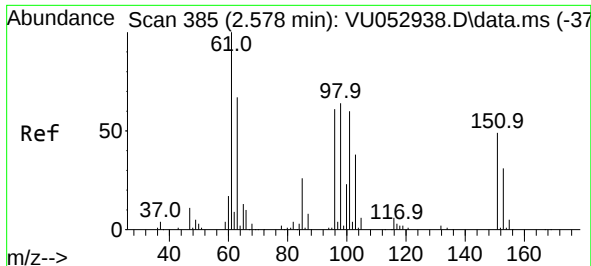
Tgt Ion: 64 Resp: 57482
Ion Ratio Lower Upper
64 100
66 31.9 24.1 44.7



#9
Trichlorofluoromethane
Concen: 53.534 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion:101 Resp: 157807
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0





#10

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

Concen: 47.944 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

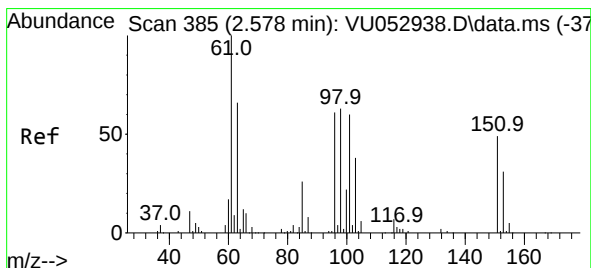
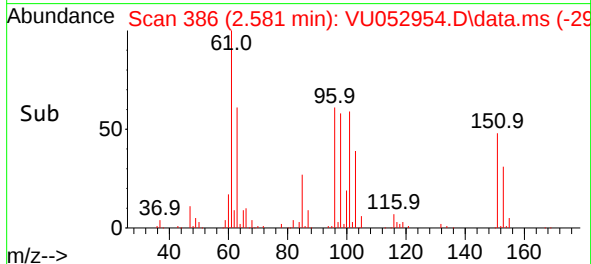
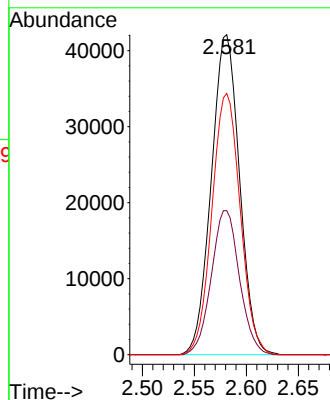
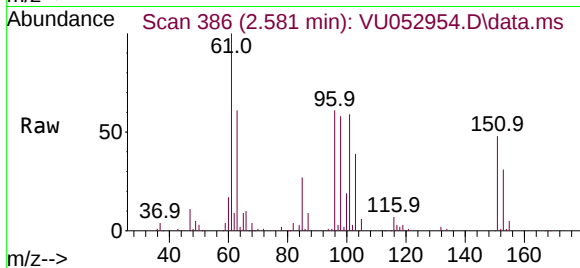
Tgt Ion:101 Resp: 79661

Ion Ratio Lower Upper

101 100

85 44.8 32.9 49.3

151 81.7 62.6 94.0



#12

1,1-Dichloroethene

Concen: 48.629 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

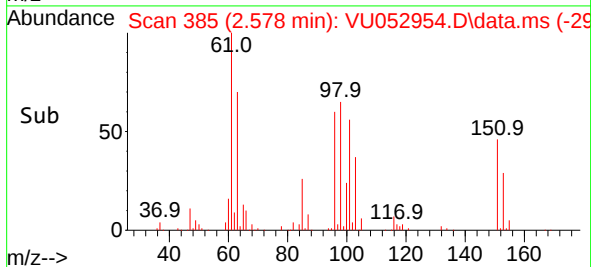
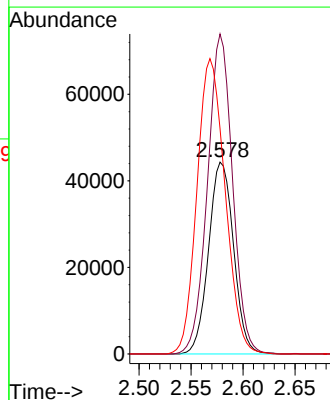
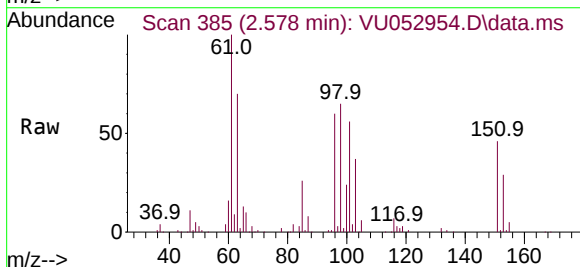
Tgt Ion: 96 Resp: 74102

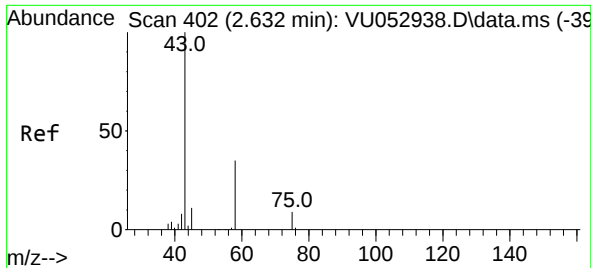
Ion Ratio Lower Upper

96 100

61 166.8 114.3 212.3

63 117.4 80.6 149.6





#13

Acetone

Concen: 60.840 ug/L

RT: 2.626 min Scan# 402

Delta R.T. -0.006 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

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MSVOA_U

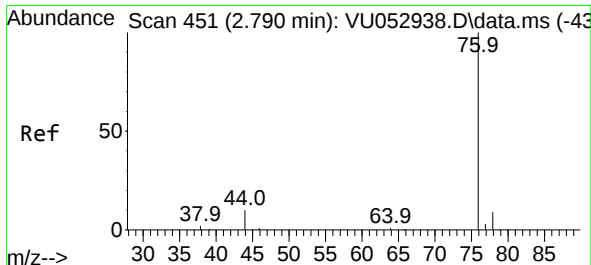
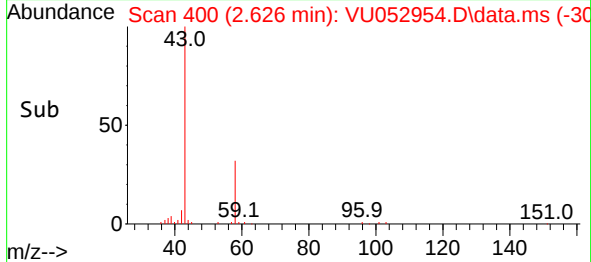
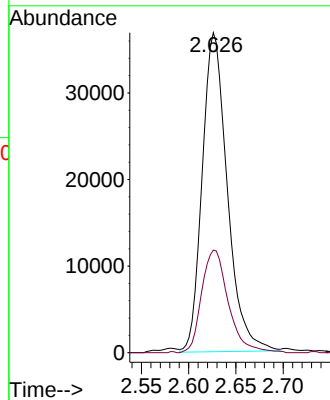
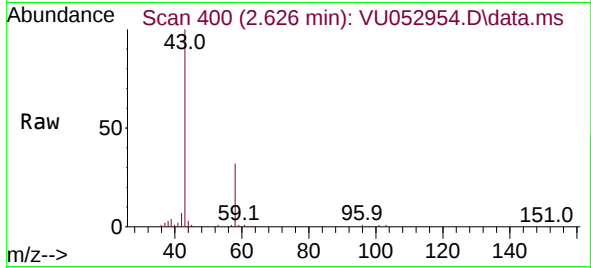
ClientSampleId :

Tgt Ion: 43 Resp: 68056

Ion Ratio Lower Upper

43 100

58 34.2 0.0 70.2



#14

Carbon disulfide

Concen: 44.980 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU052954.D

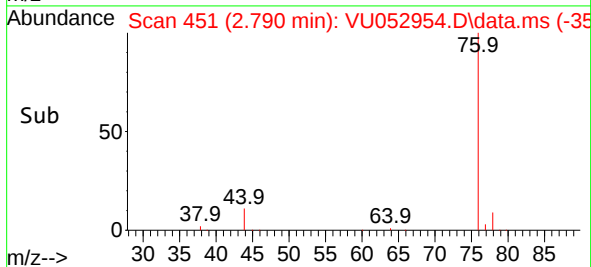
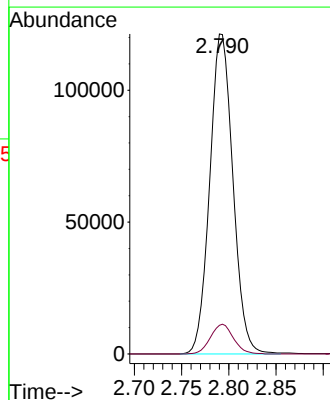
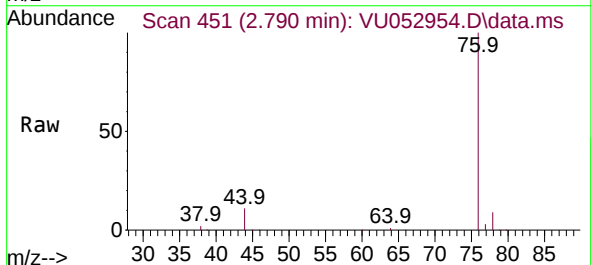
Acq: 03 Feb 2023 19:14

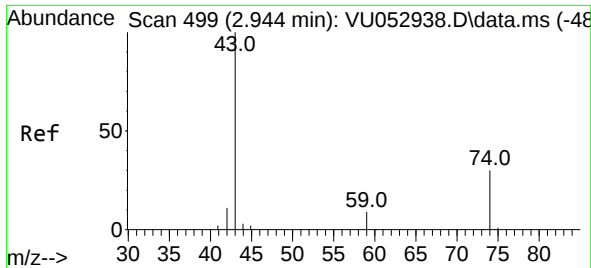
Tgt Ion: 76 Resp: 207017

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

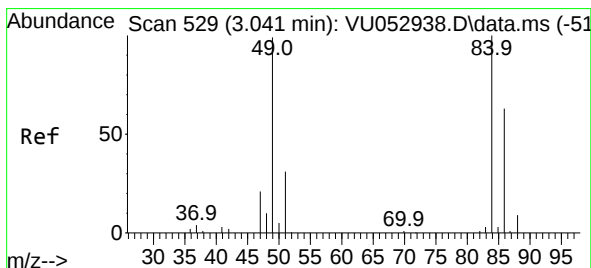
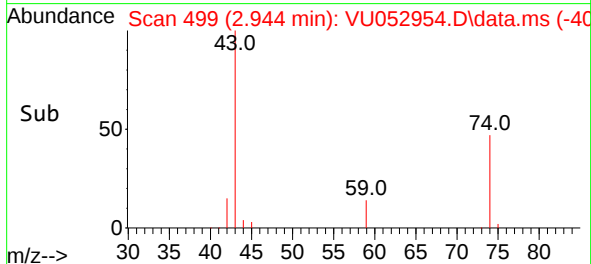
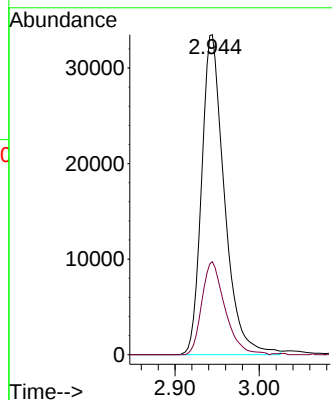
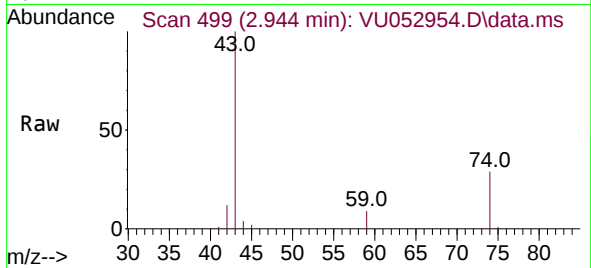




#15
Methyl Acetate
Concen: 41.799 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

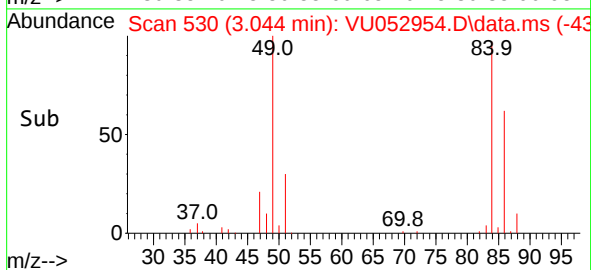
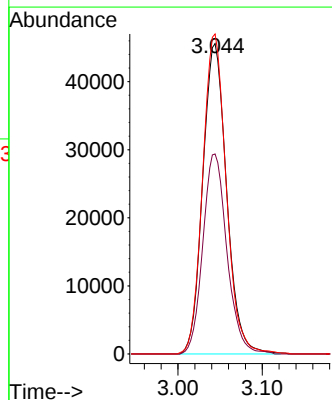
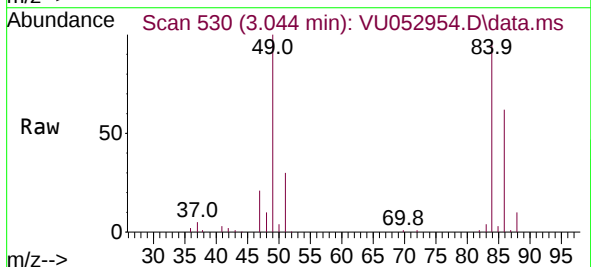
Instrument :
MSVOA_U
ClientSampleId :

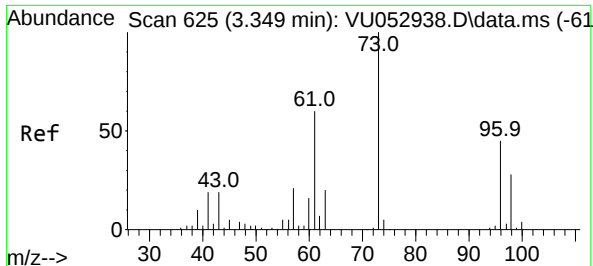
Tgt Ion: 43 Resp: 62998
Ion Ratio Lower Upper
43 100
74 29.5 22.0 33.0



#16
Methylene chloride
Concen: 49.623 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion: 84 Resp: 89951
Ion Ratio Lower Upper
84 100
86 64.4 43.4 80.6
49 103.1 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 47.742 ug/L

RT: 3.349 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

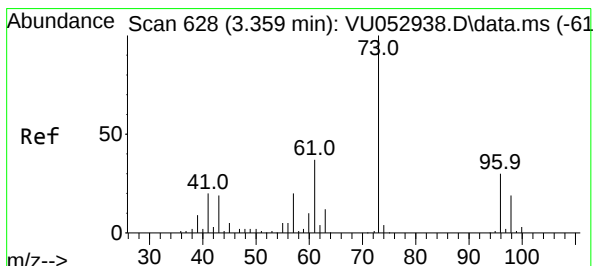
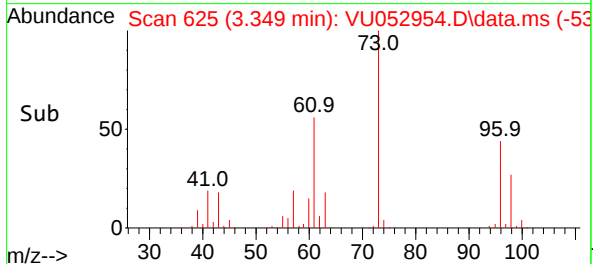
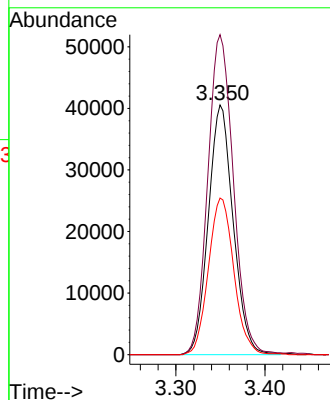
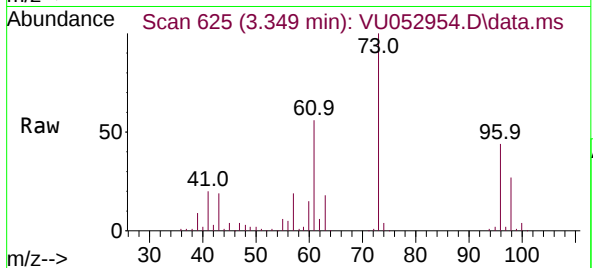
Tgt Ion: 96 Resp: 78620

Ion Ratio Lower Upper

96 100

61 128.2 92.7 172.3

98 62.7 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 49.472 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

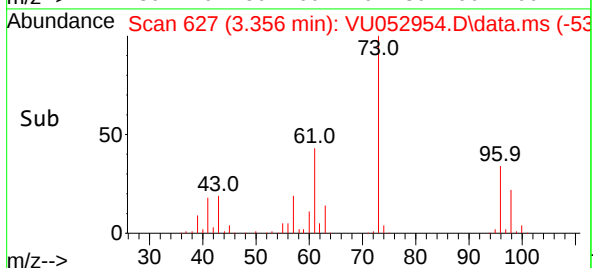
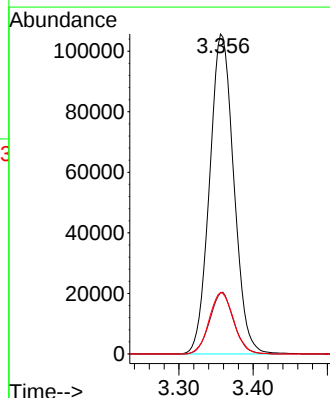
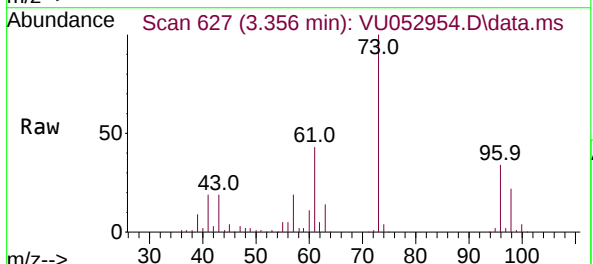
Tgt Ion: 73 Resp: 239555

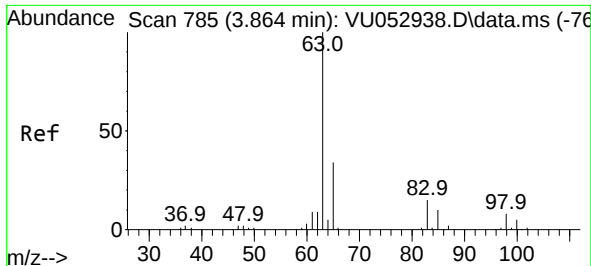
Ion Ratio Lower Upper

73 100

43 19.0 14.2 21.2

57 19.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 48.970 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

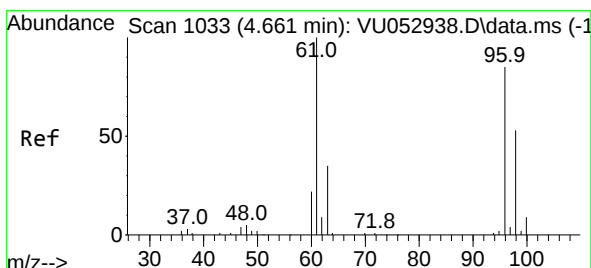
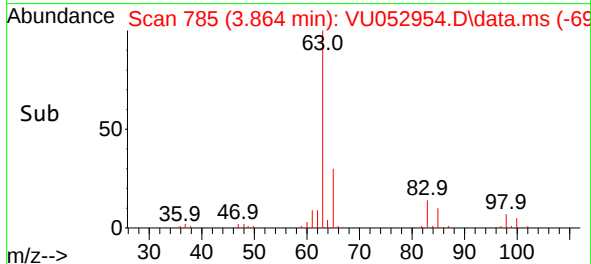
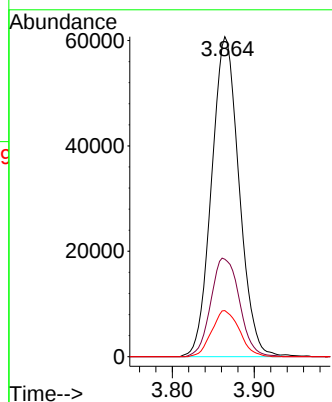
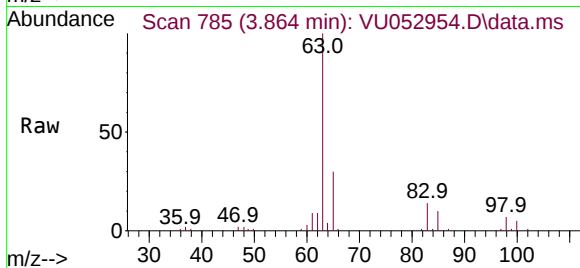
Tgt Ion: 63 Resp: 141431

Ion Ratio Lower Upper

63 100

65 30.4 22.4 41.6

83 14.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 49.245 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

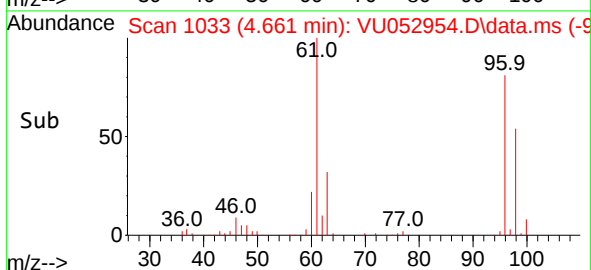
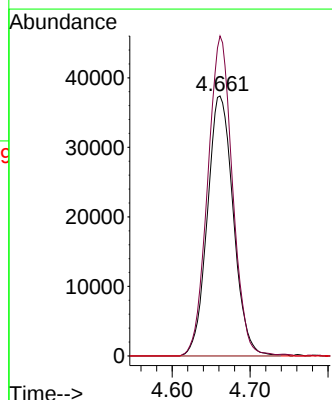
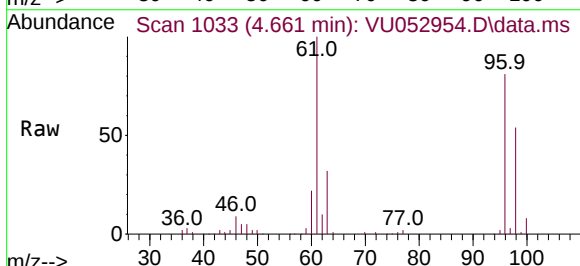
Tgt Ion: 96 Resp: 86584

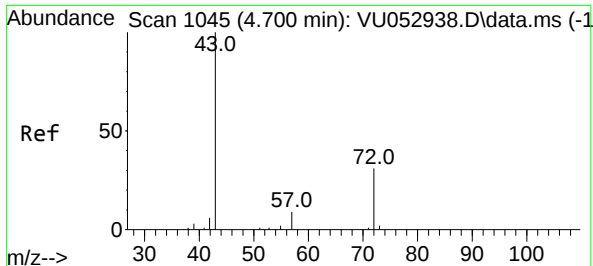
Ion Ratio Lower Upper

96 100

61 123.1 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 75.158 ug/L

RT: 4.697 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

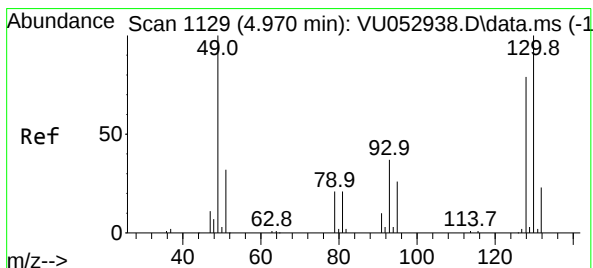
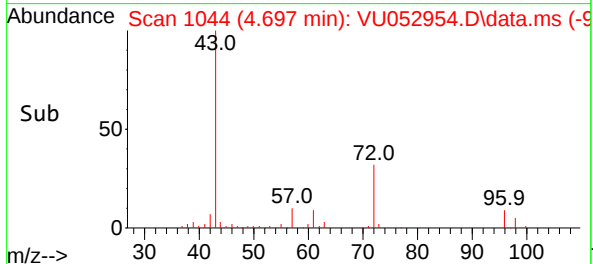
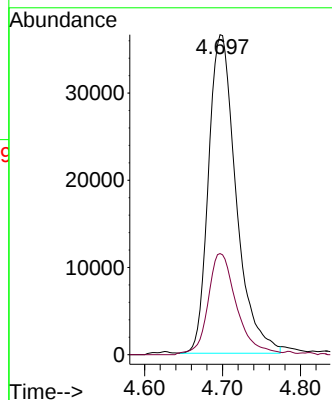
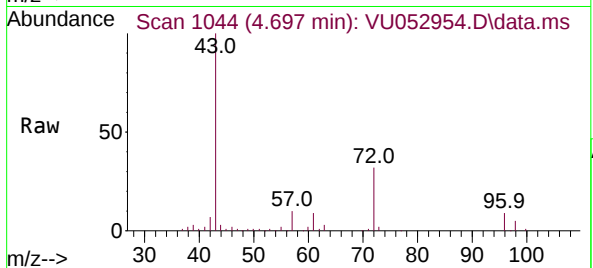
ClientSampleId :

Tgt Ion: 43 Resp: 89862

Ion Ratio Lower Upper

43 100

72 32.9 15.5 46.5



#23

Bromochloromethane

Concen: 50.111 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Tgt Ion:128 Resp: 49476

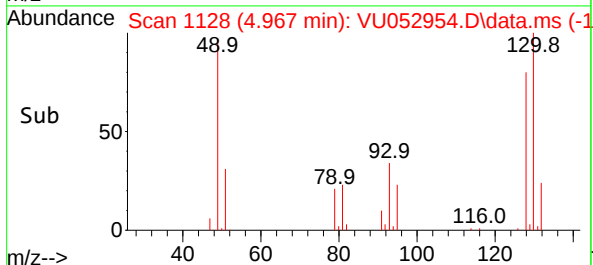
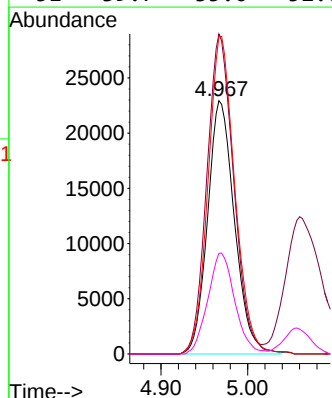
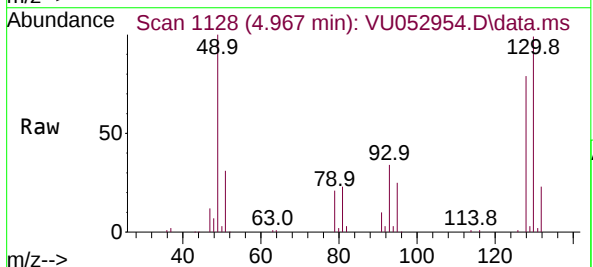
Ion Ratio Lower Upper

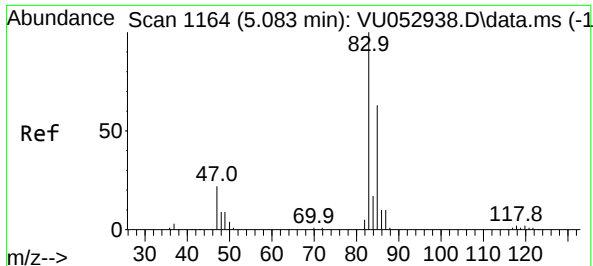
128 100

49 126.4 90.1 167.3

130 125.3 90.1 167.3

51 39.7 35.0 52.6





#25

Chloroform

Concen: 50.080 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

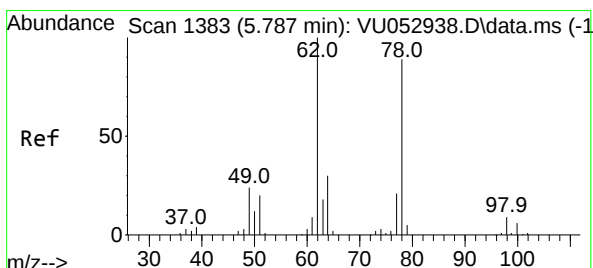
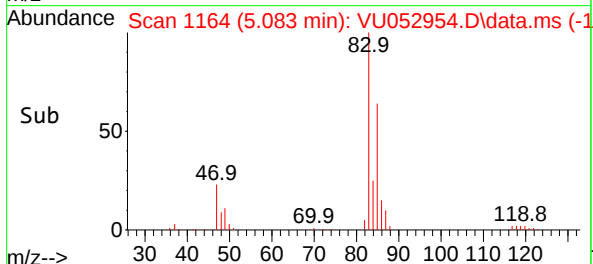
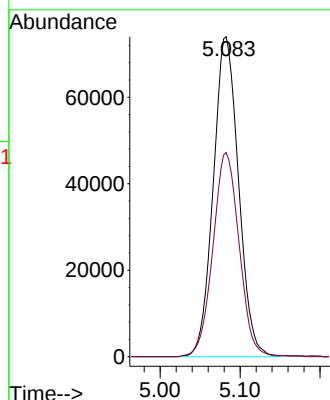
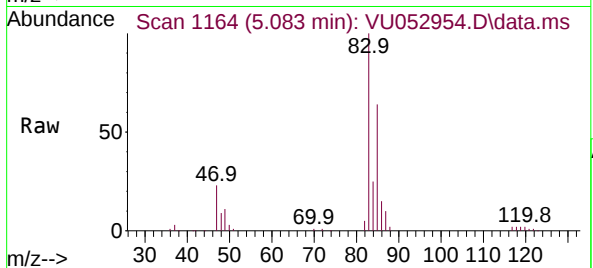
ClientSampleId :

Tgt Ion: 83 Resp: 162368

Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 50.589 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU052954.D

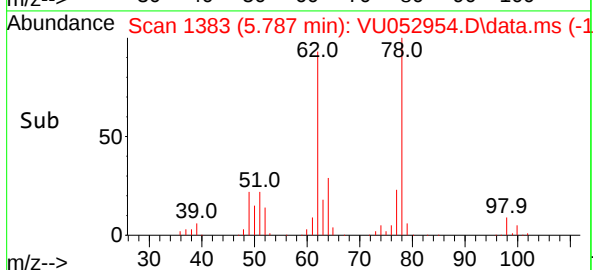
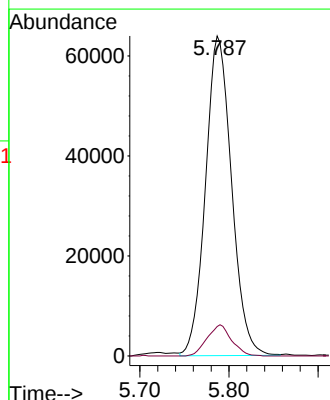
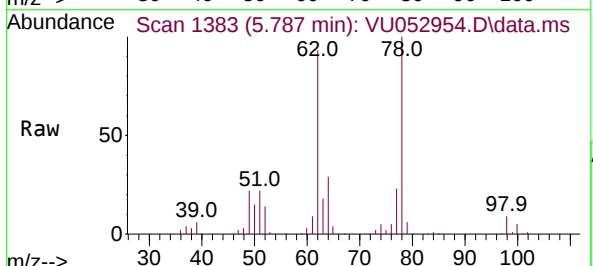
Acq: 03 Feb 2023 19:14

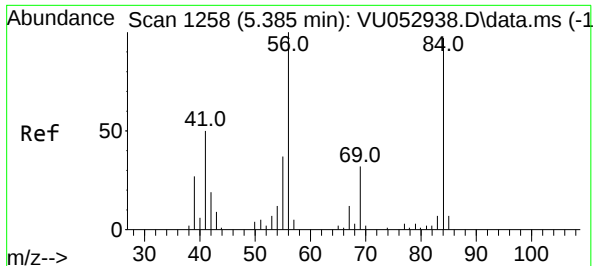
Tgt Ion: 62 Resp: 129848

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4





#29

Cyclohexane

Concen: 45.648 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

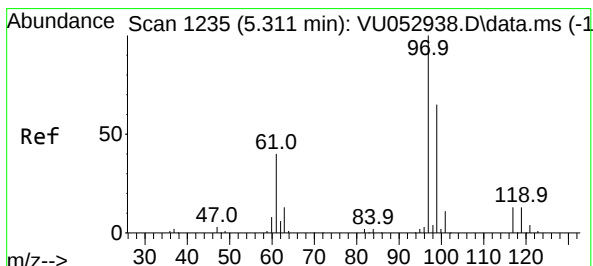
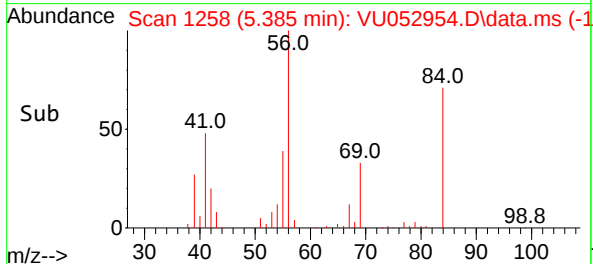
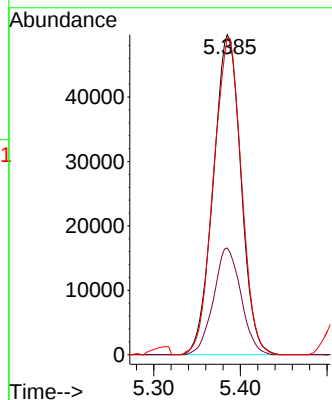
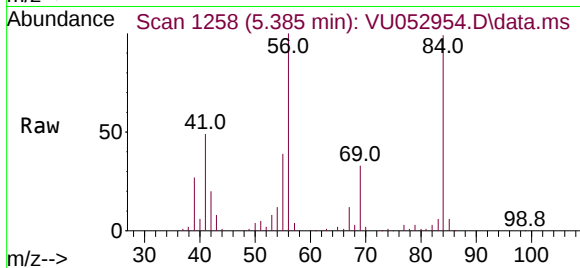
Tgt Ion: 56 Resp: 110123

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

84 99.8 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 49.872 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

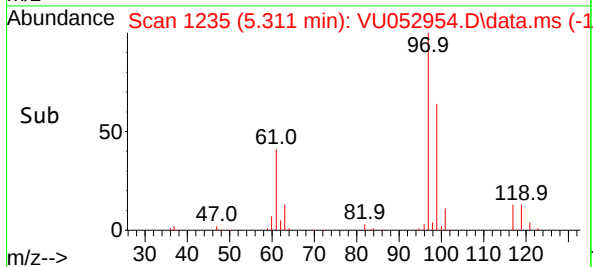
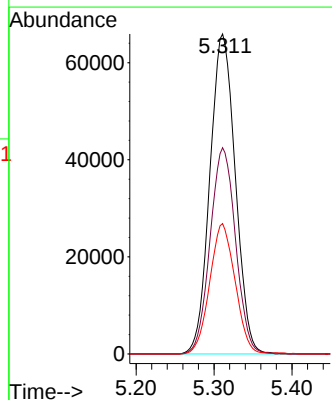
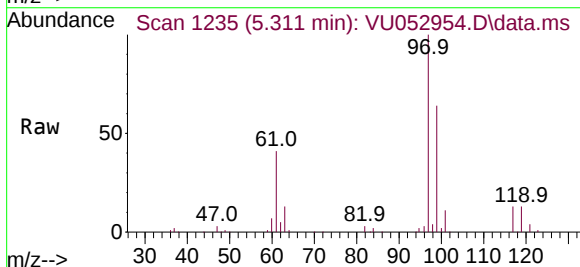
Tgt Ion: 97 Resp: 149343

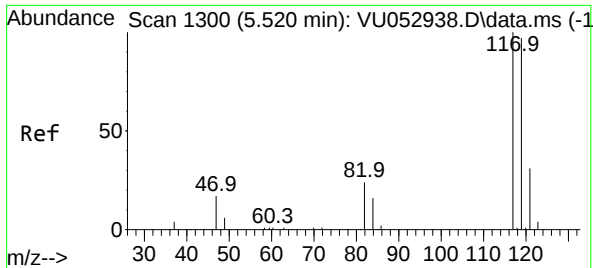
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 40.6 33.0 49.6

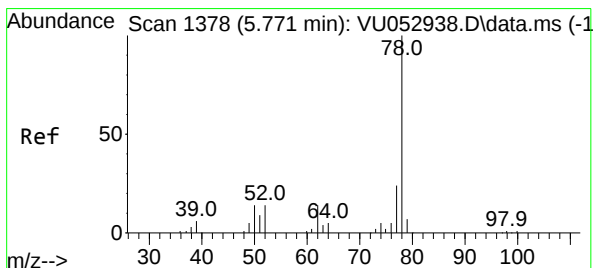
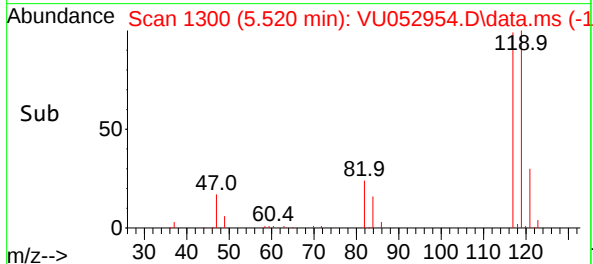
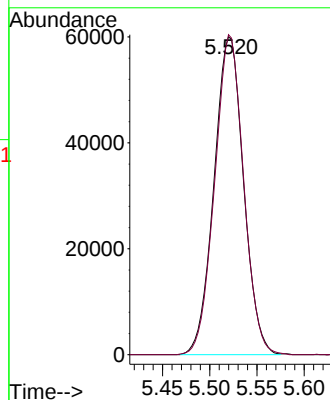
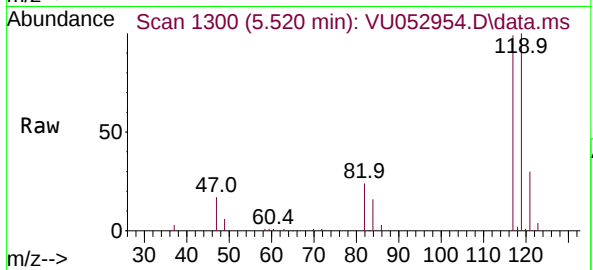




#31
Carbon tetrachloride
Concen: 50.191 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

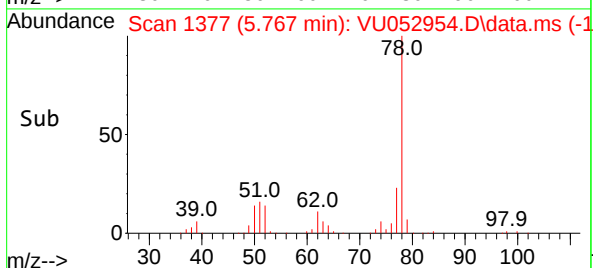
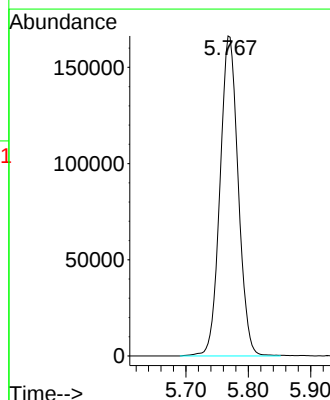
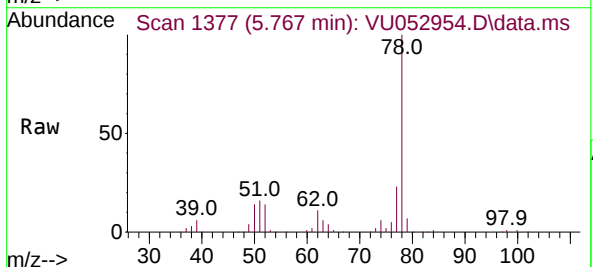
Instrument :
MSVOA_U
ClientSampleId :

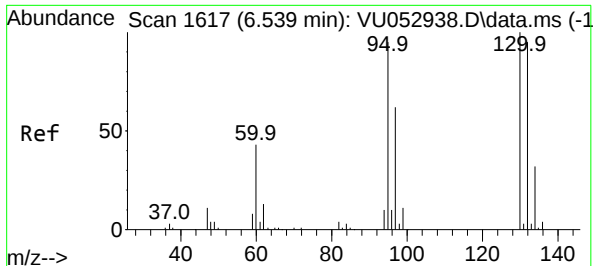
Tgt Ion:117 Resp: 130289
Ion Ratio Lower Upper
117 100
119 98.5 76.2 114.4



#33
Benzene
Concen: 48.605 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion: 78 Resp: 336828

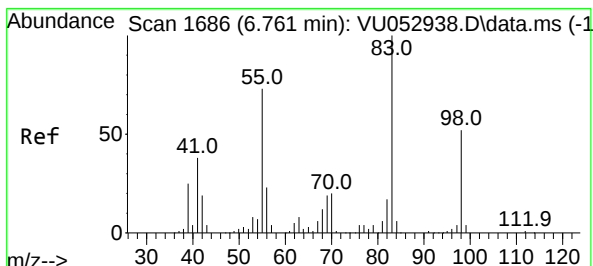
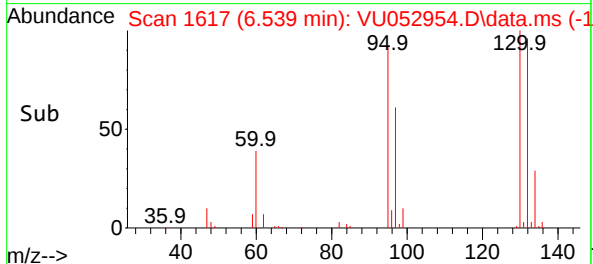
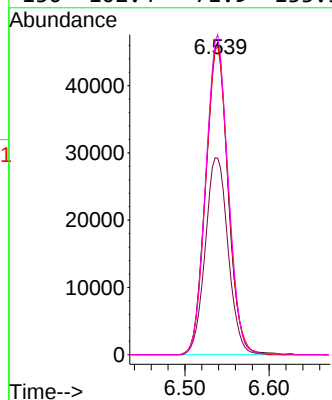
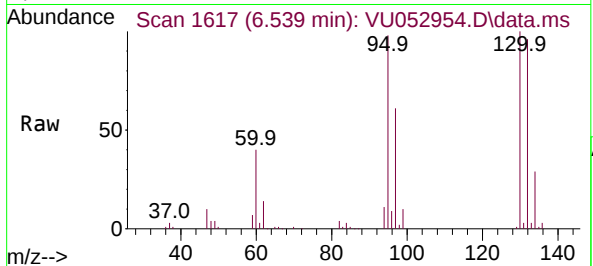




#34
Trichloroethene
Concen: 48.738 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

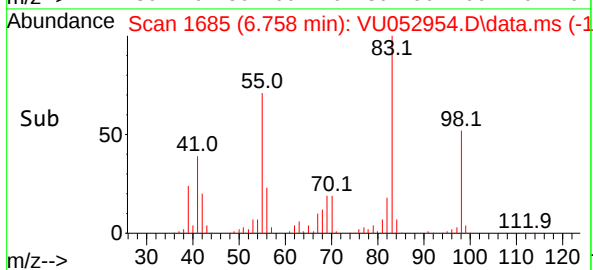
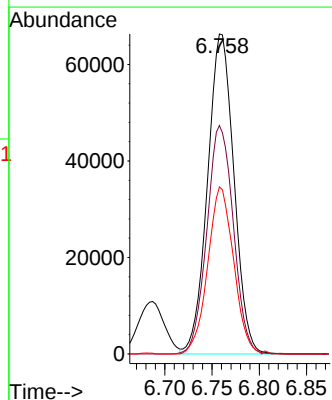
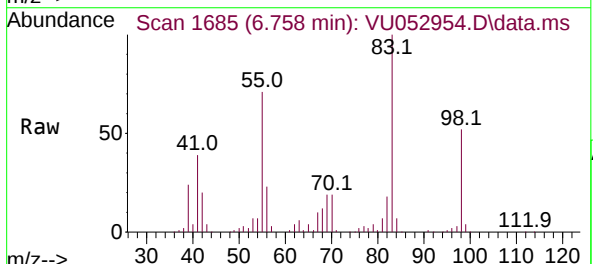
Instrument :
MSVOA_U
ClientSampleId :

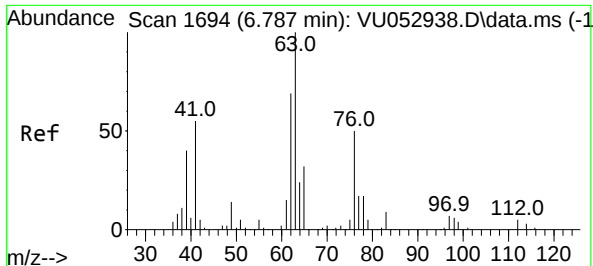
Tgt Ion: 95 Resp: 85846
Ion Ratio Lower Upper
95 100
97 62.9 44.5 82.7
132 98.7 66.8 124.0
130 102.4 71.9 133.5



#35
Methylcyclohexane
Concen: 46.214 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion: 83 Resp: 128835
Ion Ratio Lower Upper
83 100
55 71.7 57.1 85.7
98 51.0 38.9 58.3





#37

1,2-Dichloropropane

Concen: 47.619 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

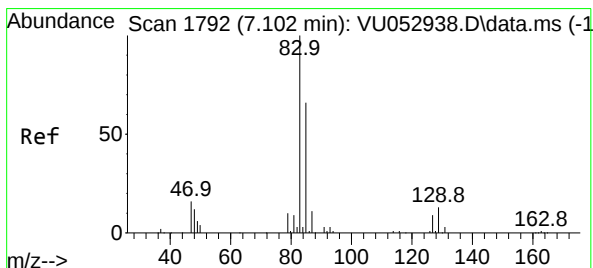
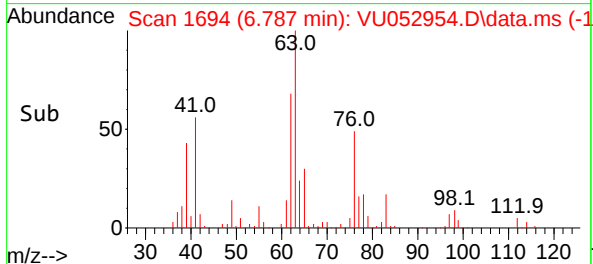
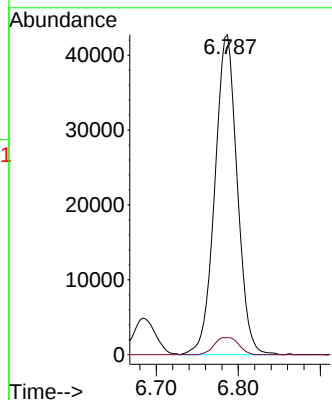
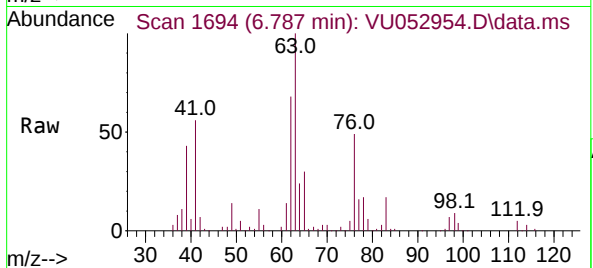
ClientSampleId :

Tgt Ion: 63 Resp: 81130

Ion Ratio Lower Upper

63 100

112 2.8 3.8 5.8#



#38

Bromodichloromethane

Concen: 50.486 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

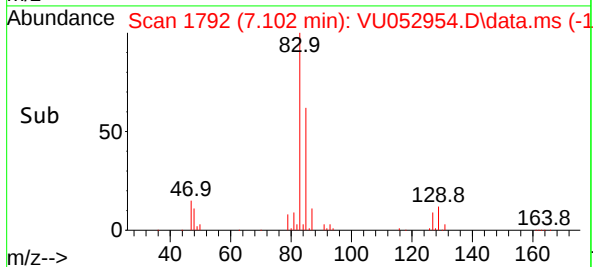
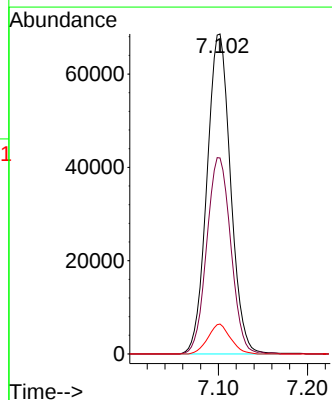
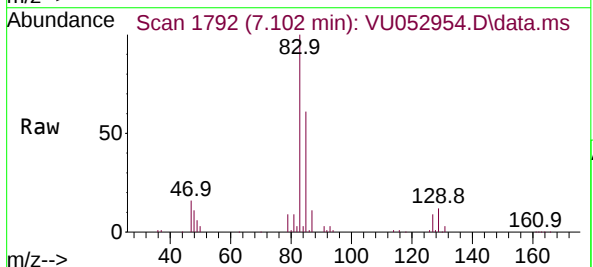
Tgt Ion: 83 Resp: 126224

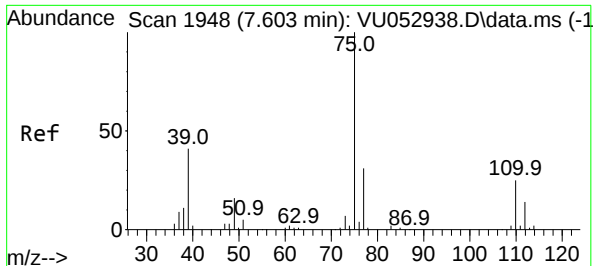
Ion Ratio Lower Upper

83 100

85 61.2 45.2 84.0

127 9.4 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 47.815 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

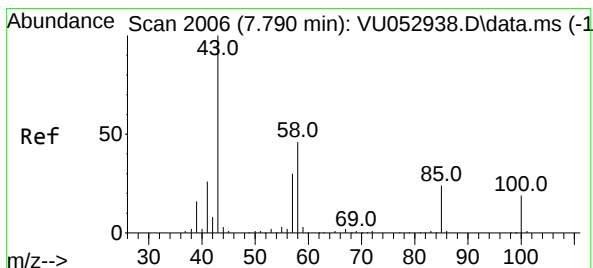
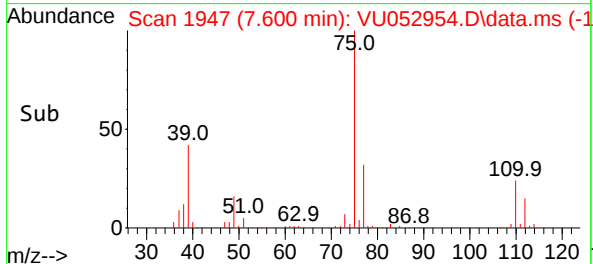
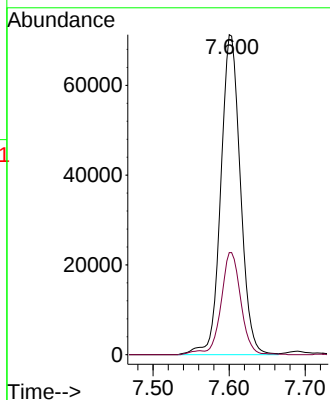
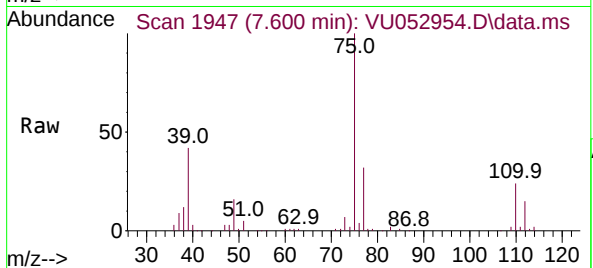
ClientSampleId :

Tgt Ion: 75 Resp: 127612

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 85.952 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

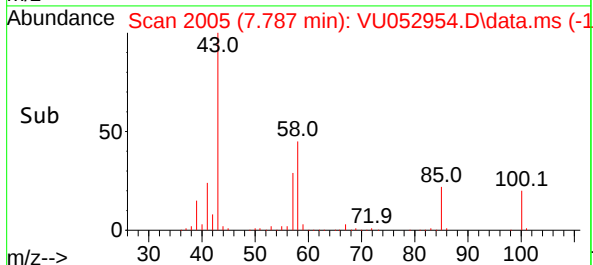
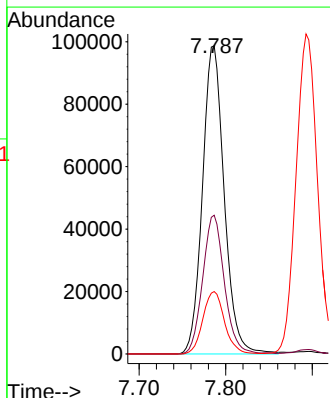
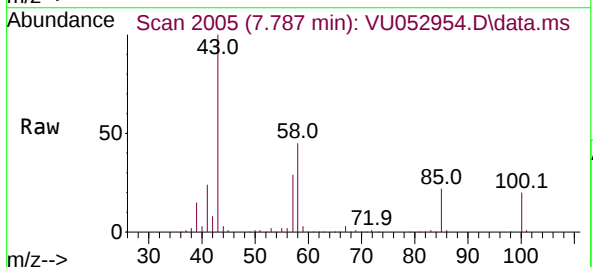
Tgt Ion: 43 Resp: 172526

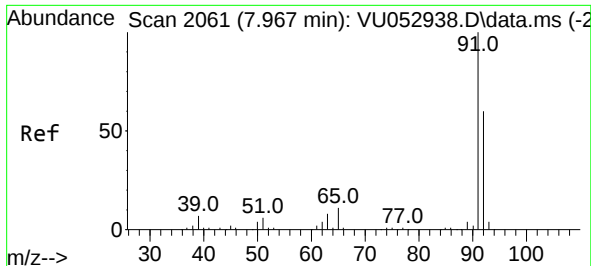
Ion Ratio Lower Upper

43 100

58 44.8 35.4 53.2

100 20.2 16.0 24.0





#42

Toluene

Concen: 50.983 ug/L

RT: 7.963 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

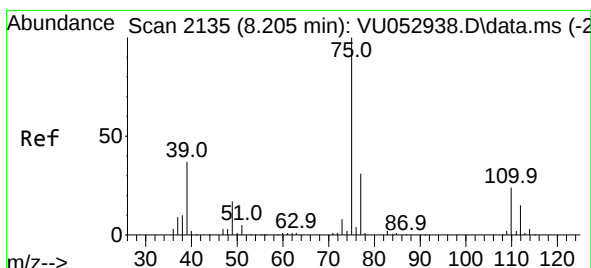
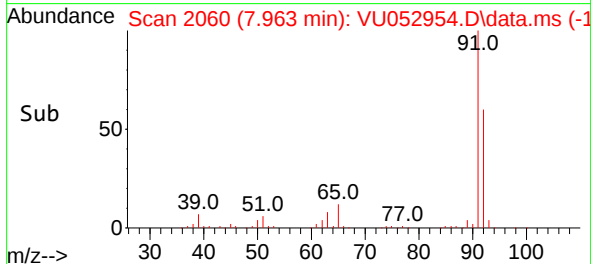
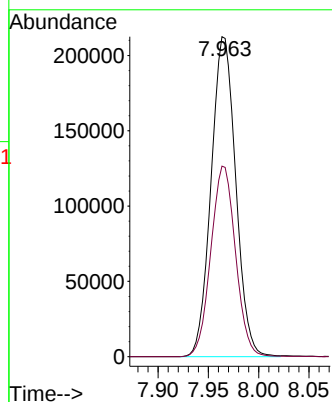
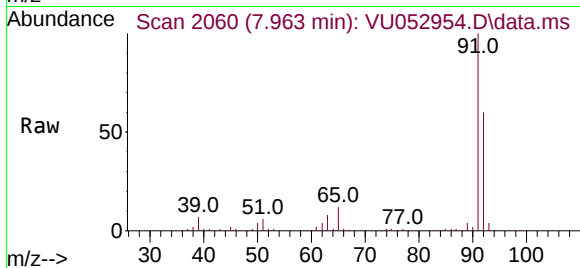
ClientSampleId :

Tgt Ion: 91 Resp: 362095

Ion Ratio Lower Upper

91 100

92 59.5 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 48.150 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU052954.D

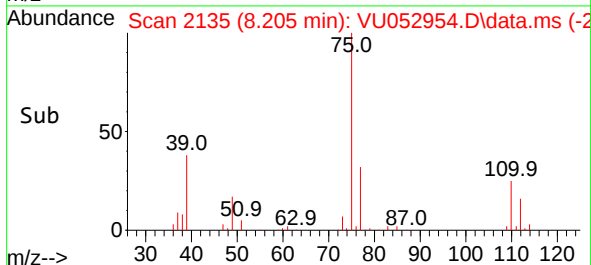
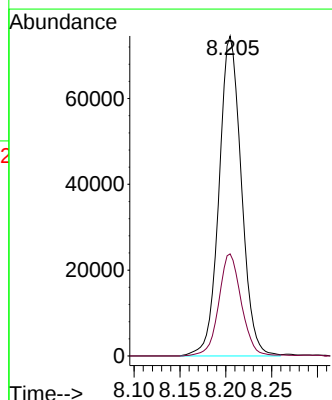
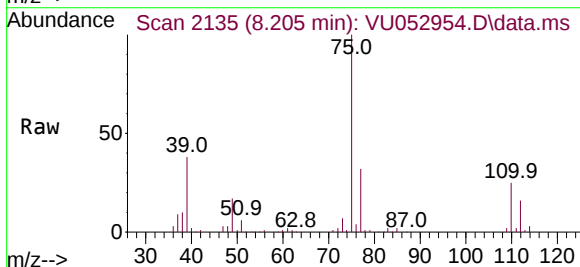
Acq: 03 Feb 2023 19:14

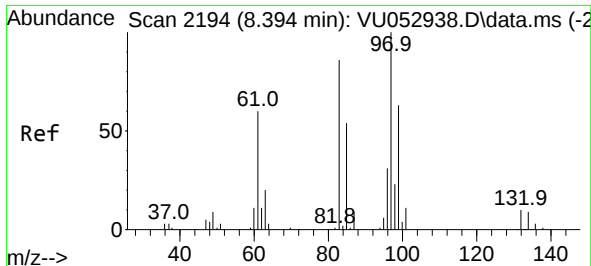
Tgt Ion: 75 Resp: 126287

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3

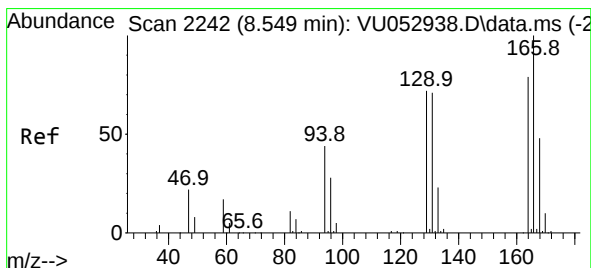
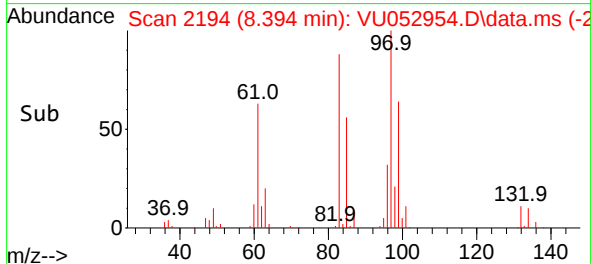
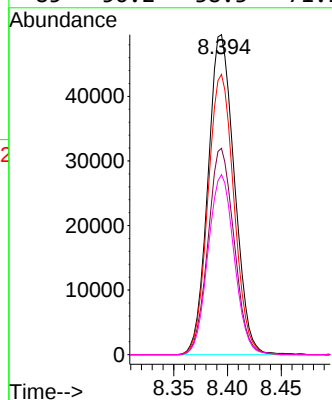
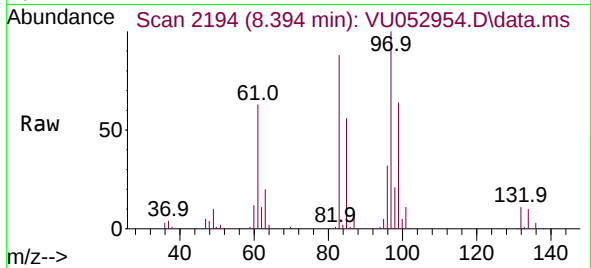




#45
1,1,2-Trichloroethane
Concen: 48.588 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

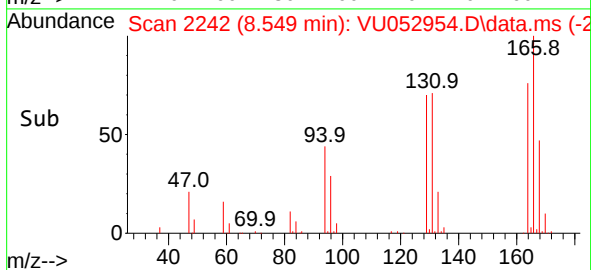
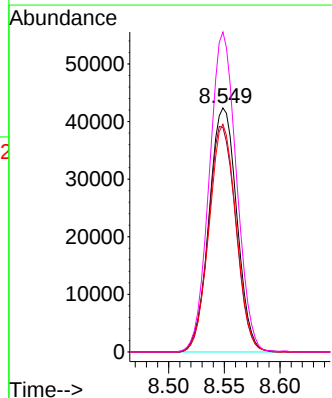
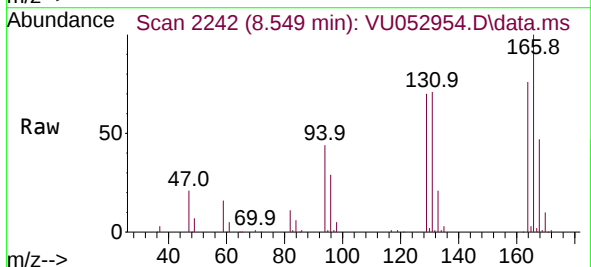
Instrument :
MSVOA_U
ClientSampleId :

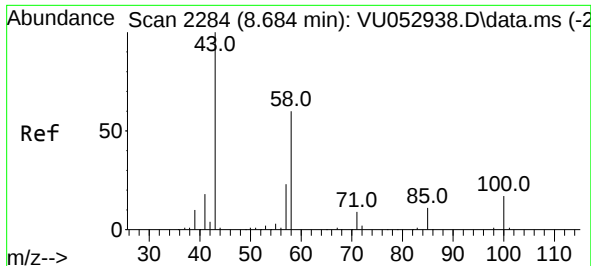
Tgt Ion: 97	Resp: 84653		
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.7	83.1
83	87.6	60.3	112.1
85	56.2	38.3	71.1



#46
Tetrachloroethene
Concen: 48.509 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

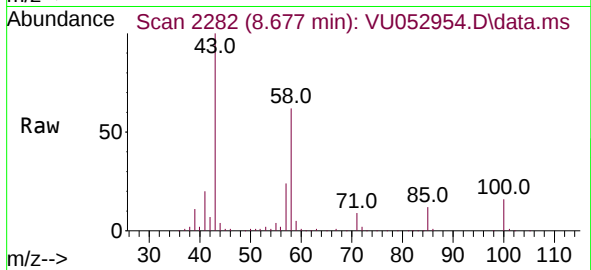
Tgt	Ion:164	Resp:	73573
Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.8	120.3
131	93.3	61.2	113.6
166	131.2	89.2	165.8



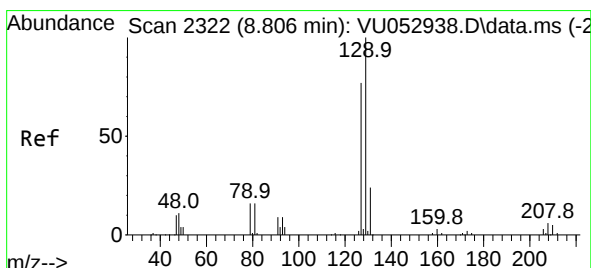
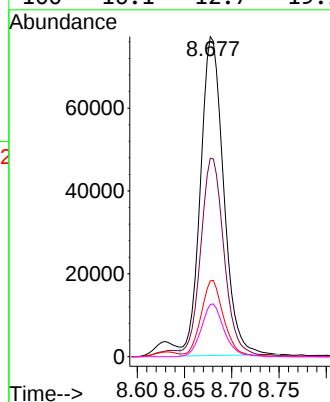
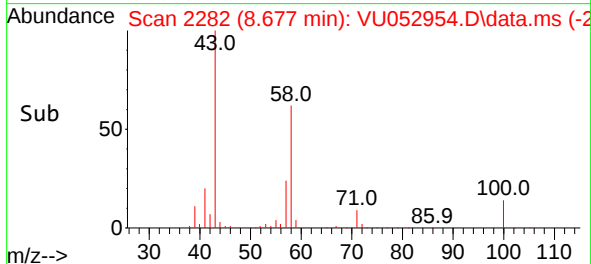


#48
2-Hexanone
Concen: 77.085 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Instrument :
MSVOA_U
ClientSampleId :

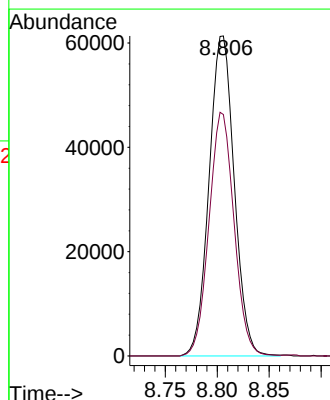
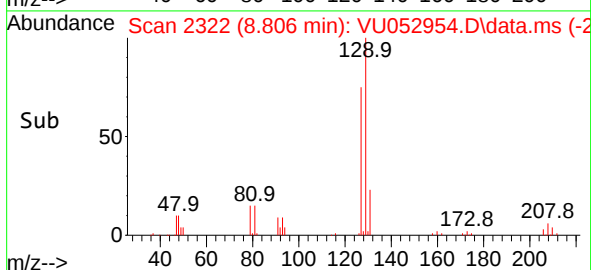
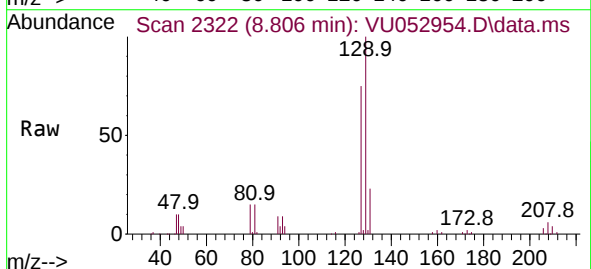


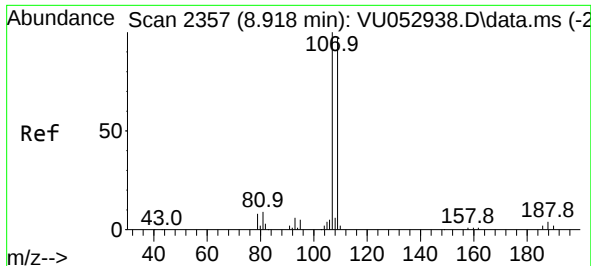
Tgt Ion: 43 Resp: 130897
Ion Ratio Lower Upper
43 100
58 61.7 48.0 72.0
57 23.2 16.8 25.2
100 16.1 12.7 19.1



#49
Dibromochloromethane
Concen: 49.688 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion: 129 Resp: 103526
Ion Ratio Lower Upper
129 100
127 75.4 53.2 98.8





#50

1,2-Dibromoethane

Concen: 48.596 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

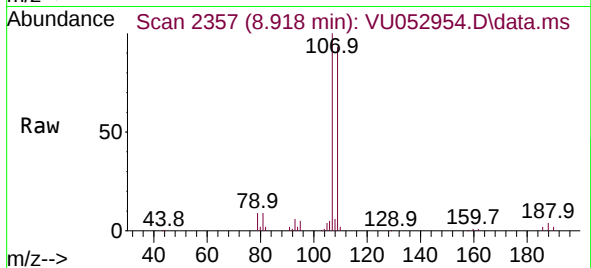
Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :



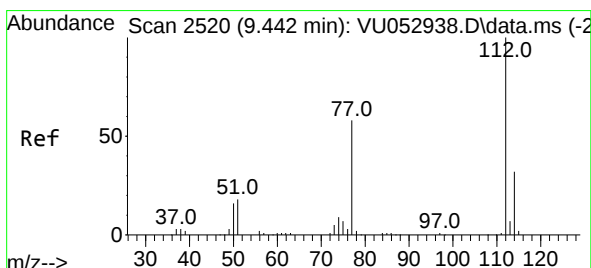
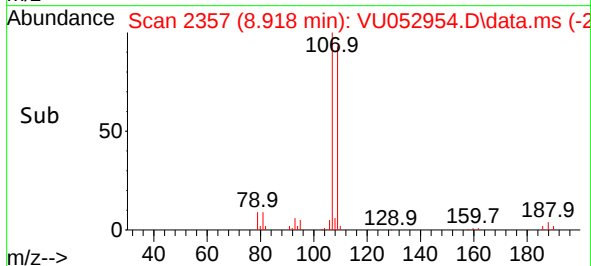
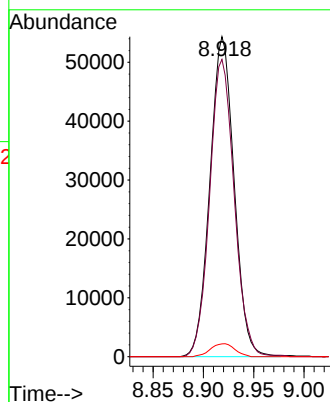
Tgt Ion:107 Resp: 91125

Ion Ratio Lower Upper

107 100

109 92.9 65.5 121.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 49.295 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

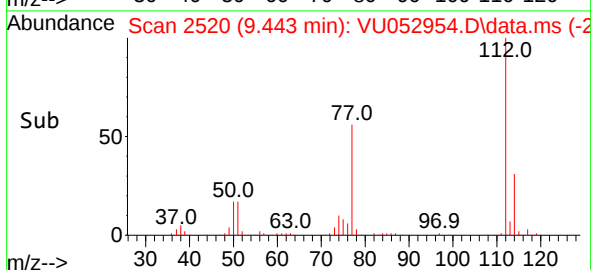
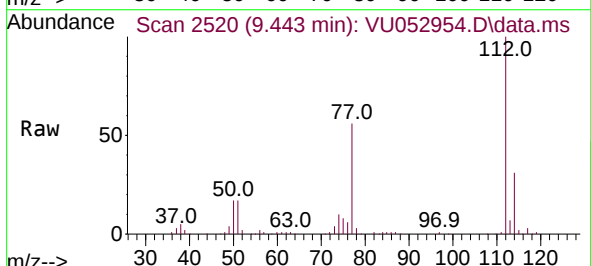
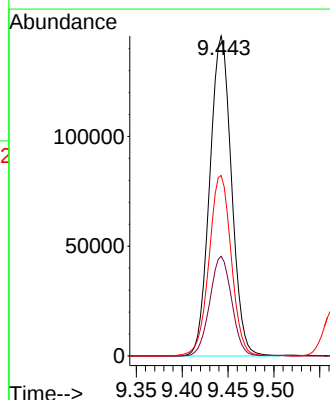
Tgt Ion:112 Resp: 240872

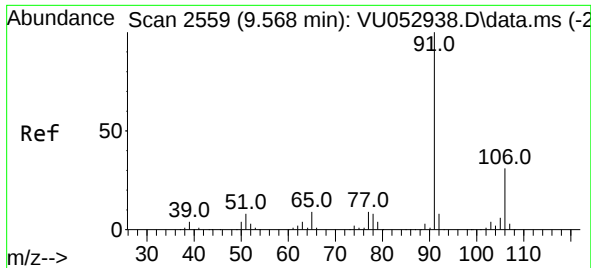
Ion Ratio Lower Upper

112 100

114 31.1 22.8 42.4

77 56.4 45.9 68.9

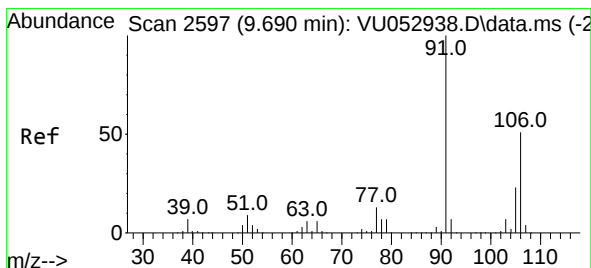
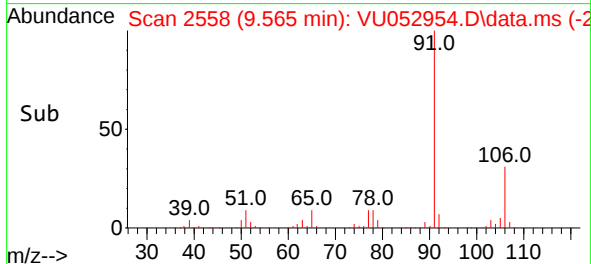
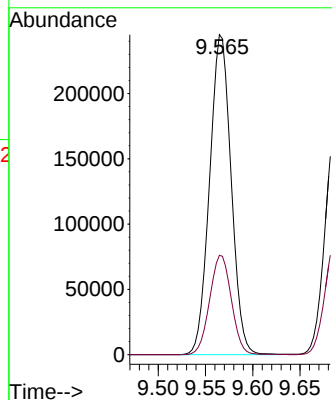
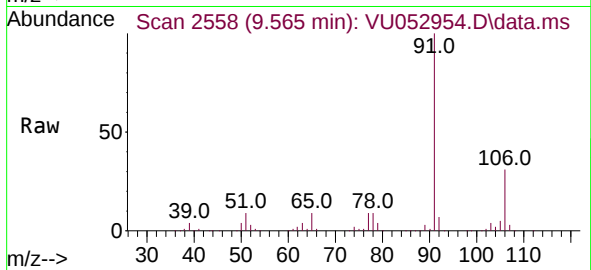




#52
Ethylbenzene
Concen: 51.167 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

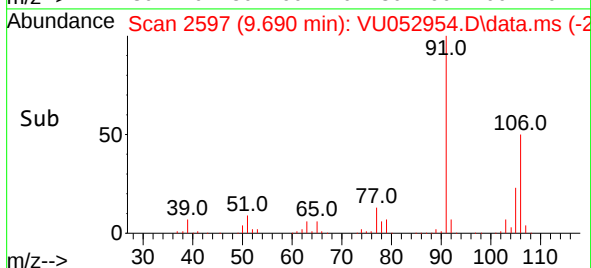
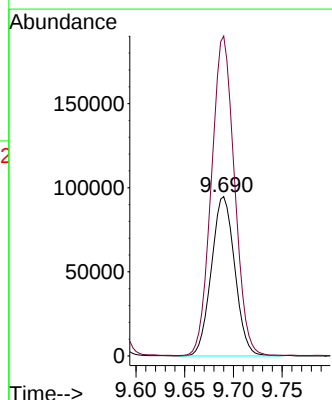
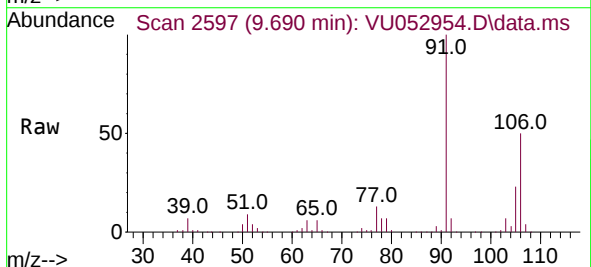
Instrument :
MSVOA_U
ClientSampleId :

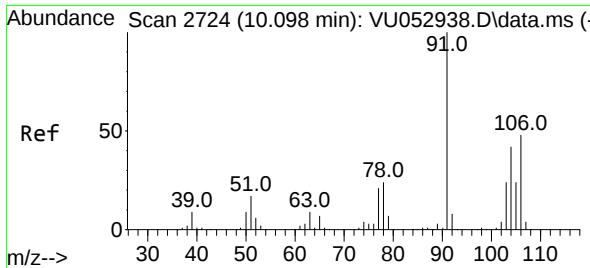
Tgt Ion: 91 Resp: 388357
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#53
m,p-Xylene
Concen: 51.522 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion:106 Resp: 158311
Ion Ratio Lower Upper
106 100
91 200.9 137.4 255.2

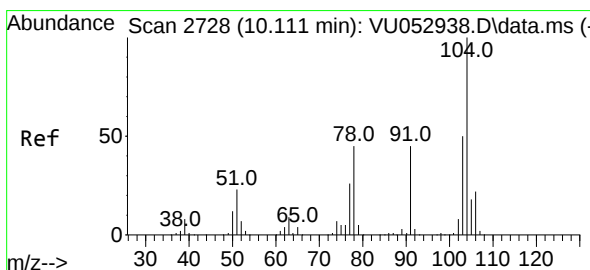
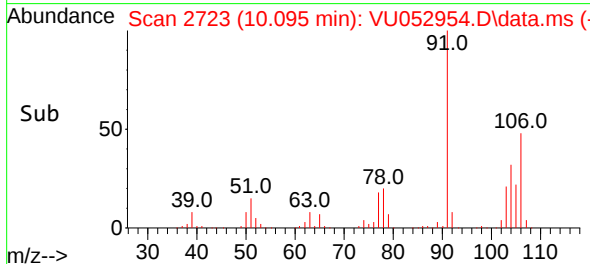
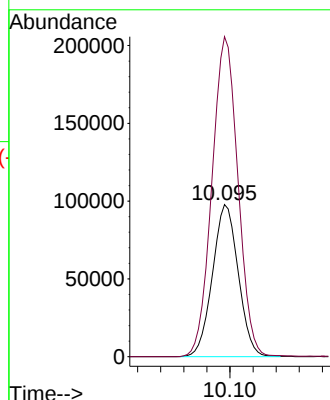
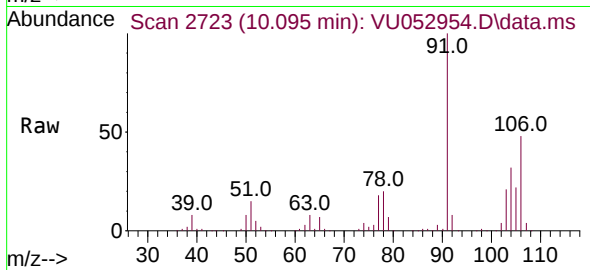




#54
o-xylene
Concen: 51.598 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

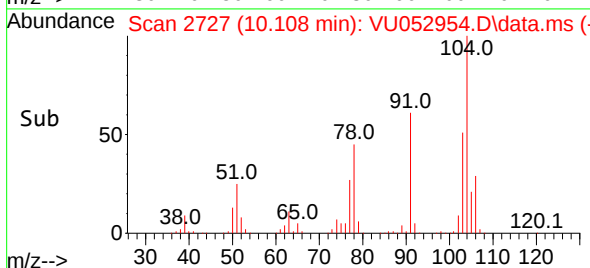
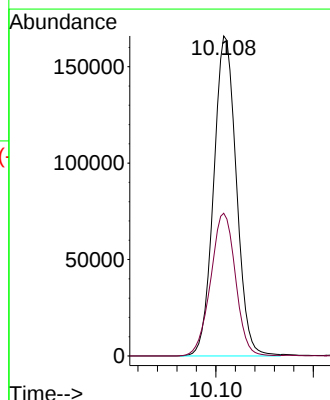
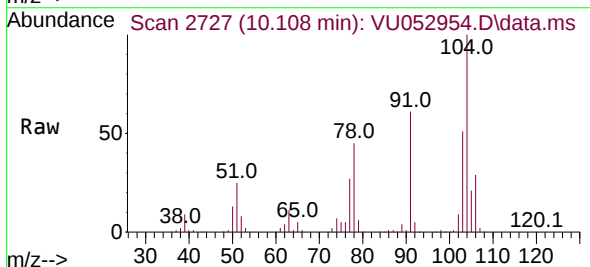
Instrument :
MSVOA_U
ClientSampleId :

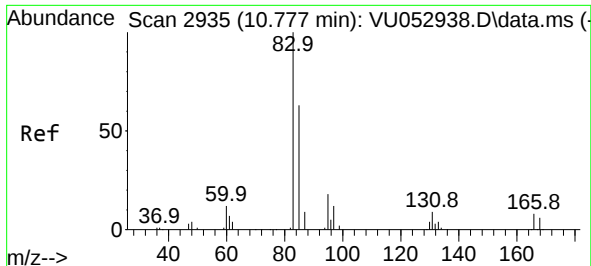
Tgt Ion:106 Resp: 151354
Ion Ratio Lower Upper
106 100
91 210.3 143.4 266.2



#55
Styrene
Concen: 53.362 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion:104 Resp: 268604
Ion Ratio Lower Upper
104 100
78 44.6 31.9 59.2

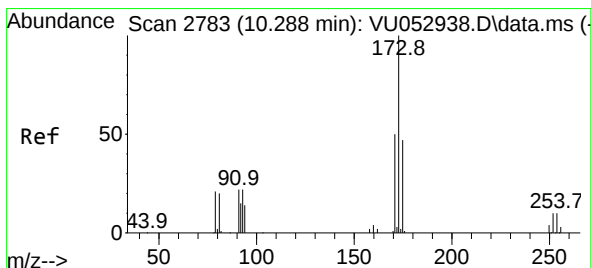
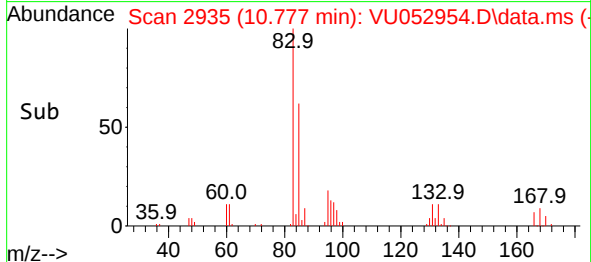
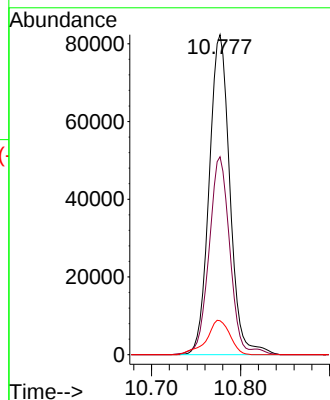
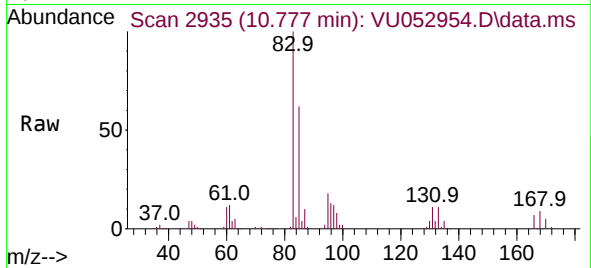




#57
1,1,2,2-Tetrachloroethane
Concen: 47.056 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

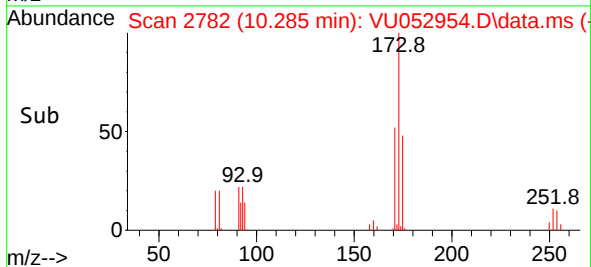
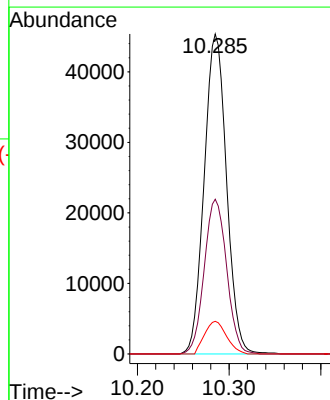
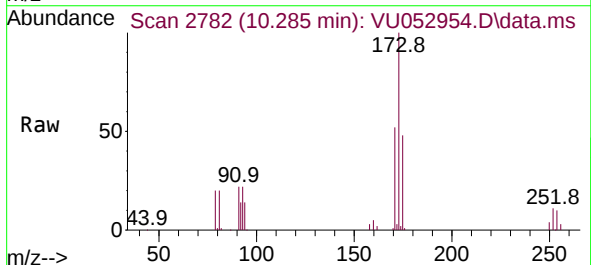
Instrument :
MSVOA_U
ClientSampleId :

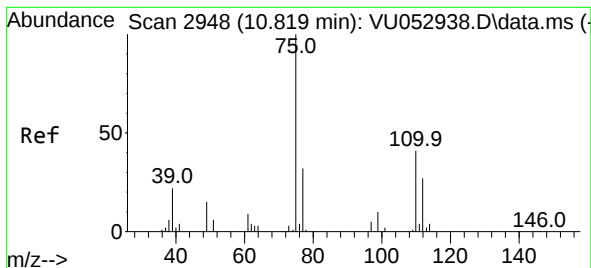
Tgt Ion: 83 Resp: 132680
Ion Ratio Lower Upper
83 100
85 61.9 45.0 83.6
131 10.6 8.6 12.8



#59
Bromoform
Concen: 45.723 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion:173 Resp: 76772
Ion Ratio Lower Upper
173 100
175 48.5 37.7 56.5
254 10.0 8.3 12.5





#60

1,2,3-Trichloropropane

Concen: 43.282 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

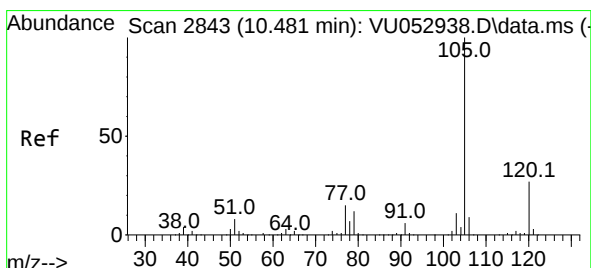
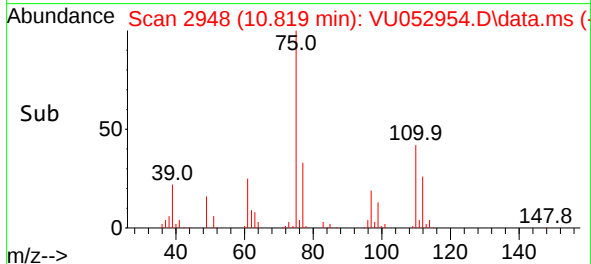
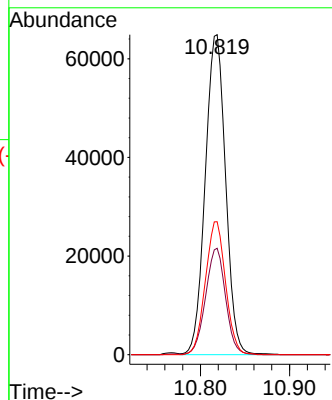
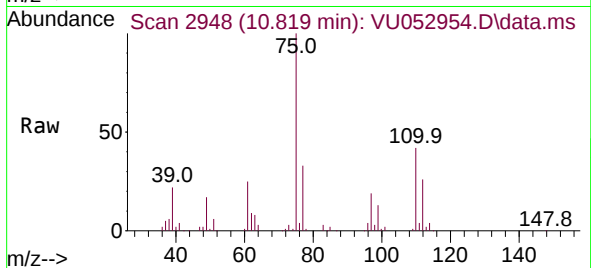
Tgt Ion: 75 Resp: 102873

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

110 41.2 32.4 48.6



#61

Isopropylbenzene

Concen: 49.711 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

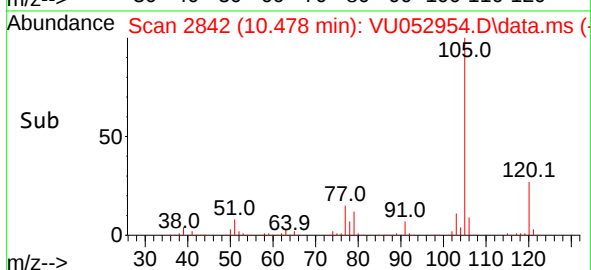
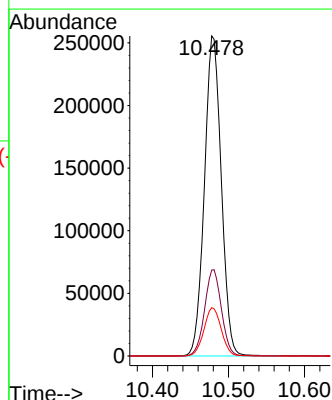
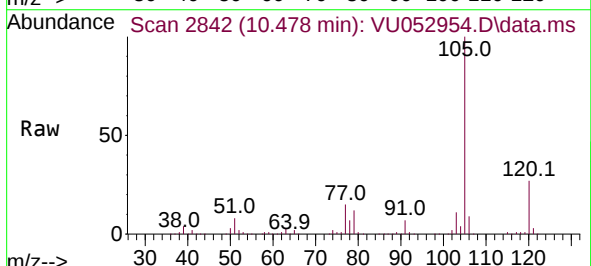
Tgt Ion: 105 Resp: 393396

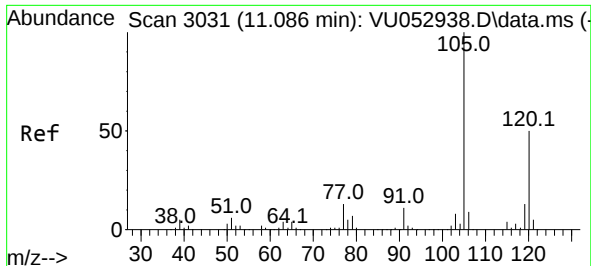
Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.5 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 50.617 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

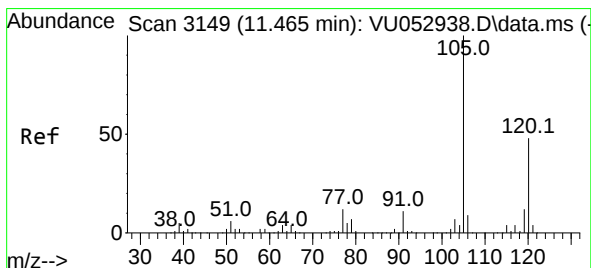
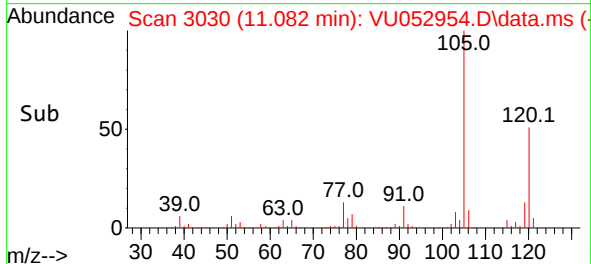
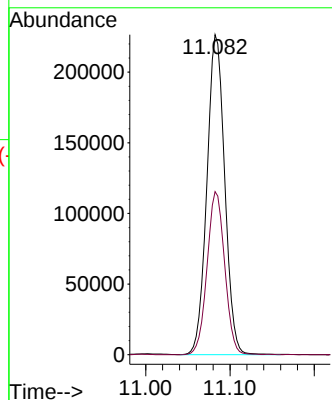
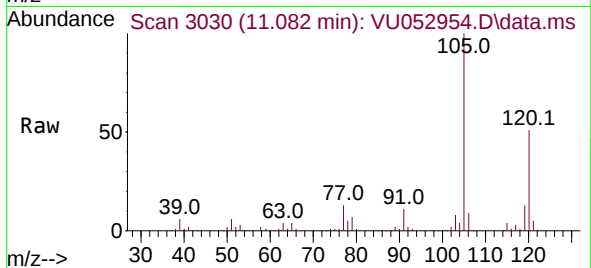
ClientSampleId :

Tgt Ion:105 Resp: 333529

Ion Ratio Lower Upper

105 100

120 50.4 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.576 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052954.D

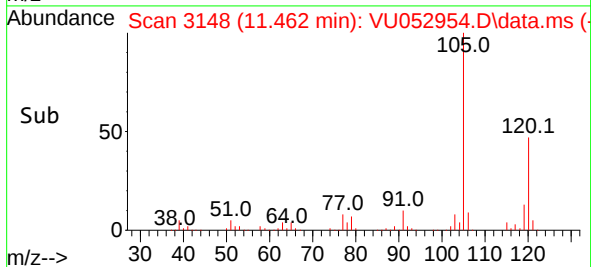
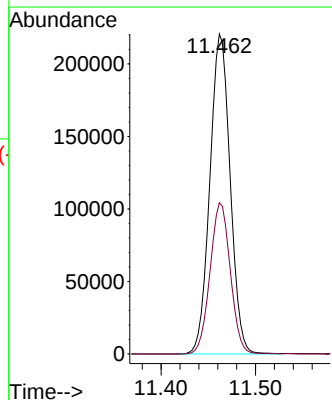
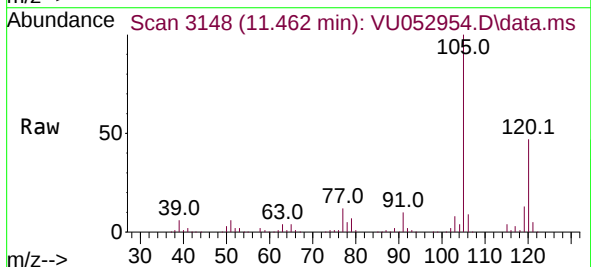
Acq: 03 Feb 2023 19:14

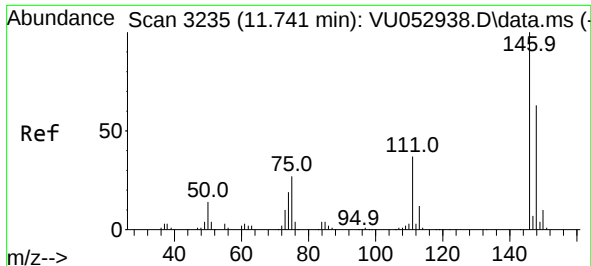
Tgt Ion:105 Resp: 328855

Ion Ratio Lower Upper

105 100

120 47.2 38.1 57.1

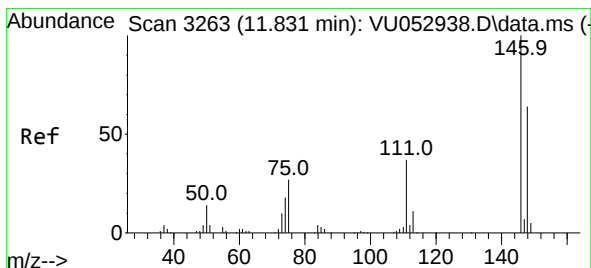
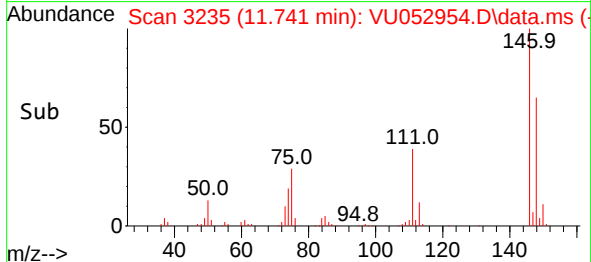
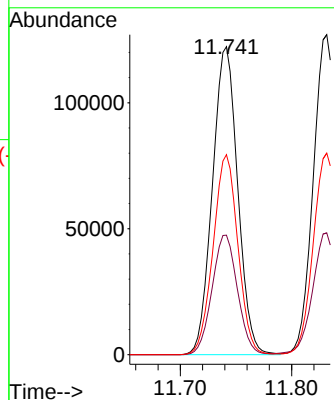
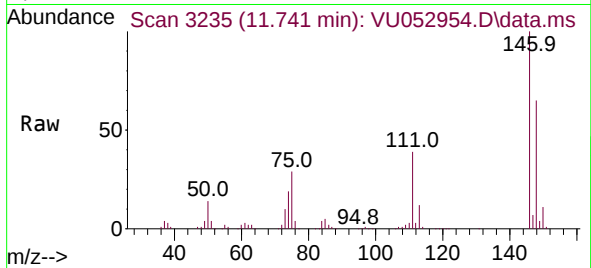




#64
 1,3-Dichlorobenzene
 Concen: 48.291 ug/L
 RT: 11.741 min Scan# 3235
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

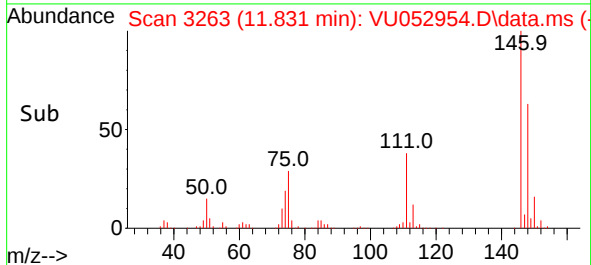
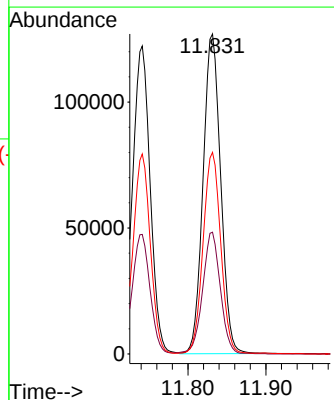
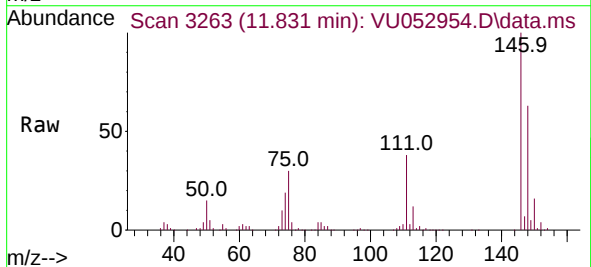
Instrument :
 MSVOA_U
 ClientSampleId :

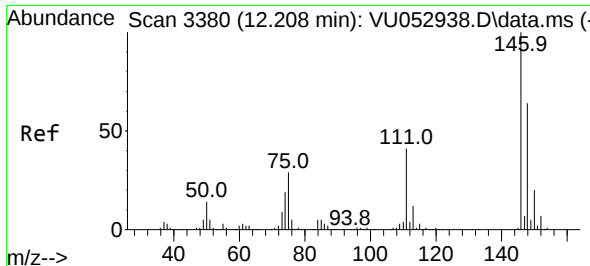
Tgt Ion:146 Resp: 192809
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 64.9 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 48.172 ug/L
 RT: 11.831 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

Tgt Ion:146 Resp: 199109
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.7 49.7
 148 63.0 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 49.918 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

Instrument :

MSVOA_U

ClientSampleId :

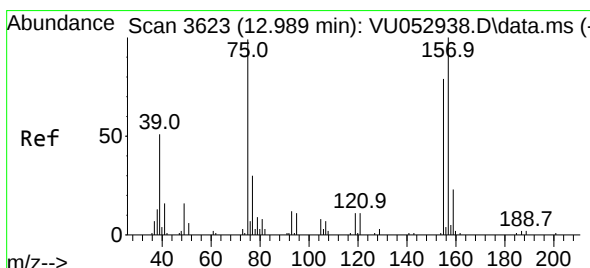
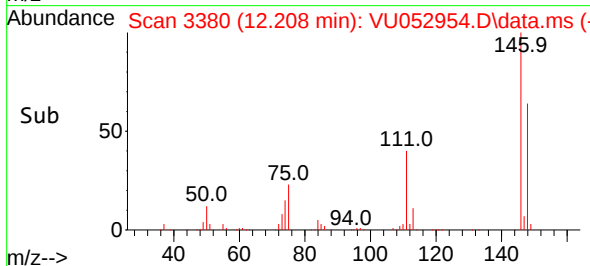
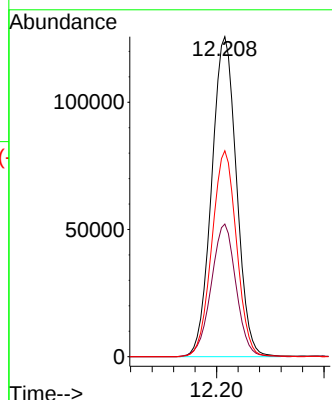
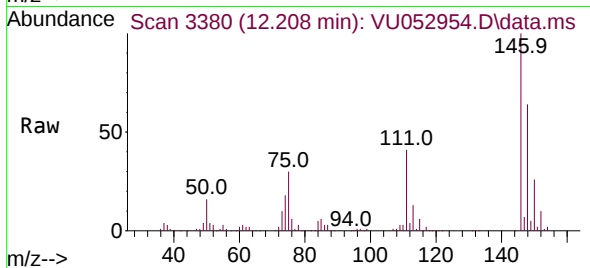
Tgt Ion:146 Resp: 201591

Ion Ratio Lower Upper

146 100

111 41.4 33.2 49.8

148 64.3 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 41.365 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052954.D

Acq: 03 Feb 2023 19:14

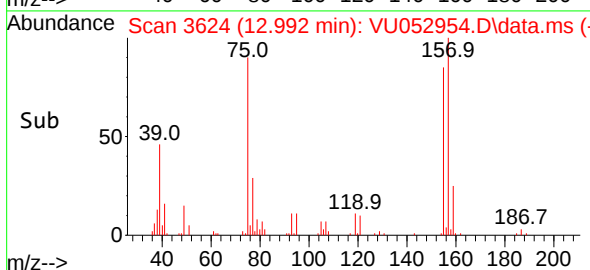
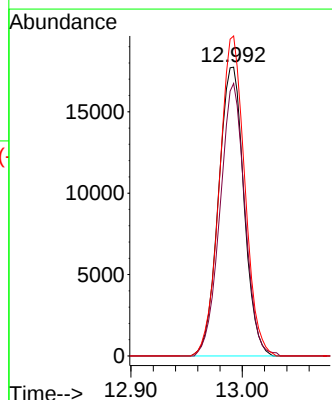
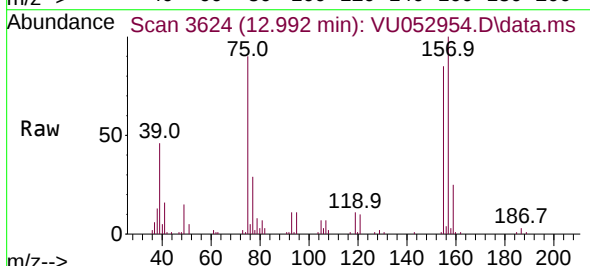
Tgt Ion: 75 Resp: 28181

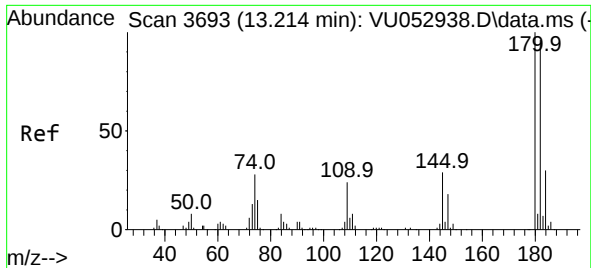
Ion Ratio Lower Upper

75 100

155 94.3 69.2 103.8

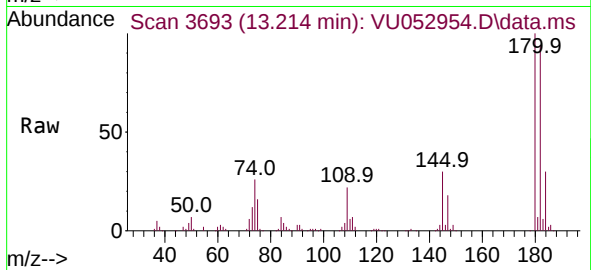
157 110.8 91.2 136.8



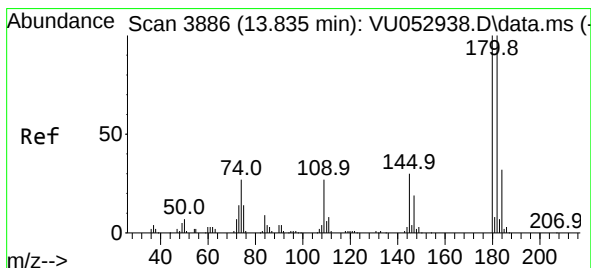
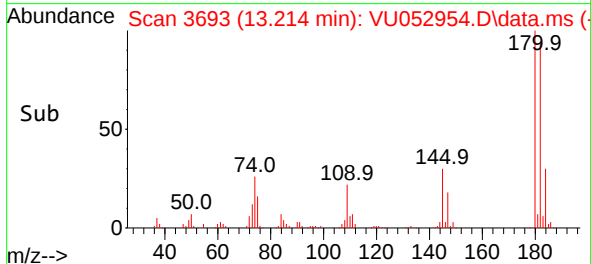
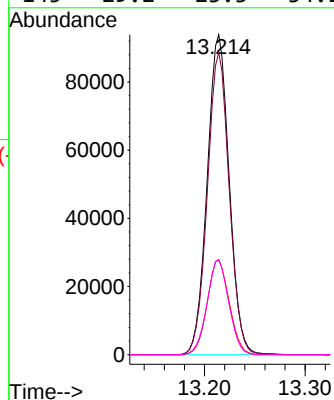


#69
 1,3,5-Trichlorobenzene
 Concen: 48.336 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

Instrument :
 MSVOA_U
 ClientSampleId :

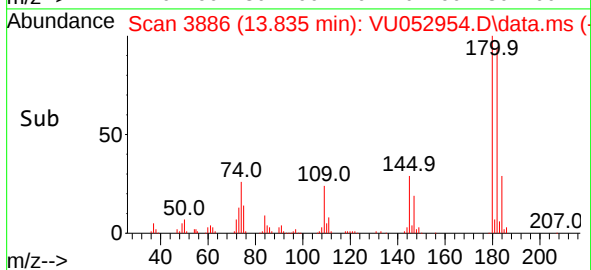
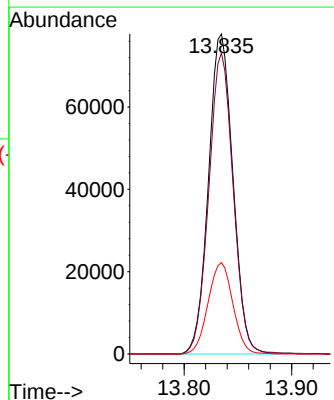
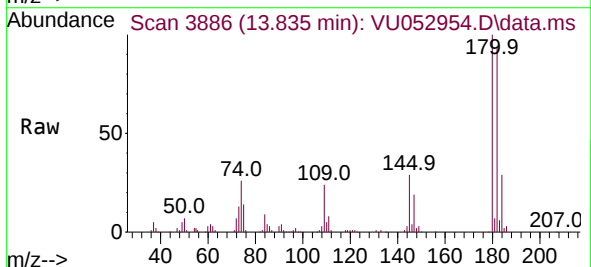


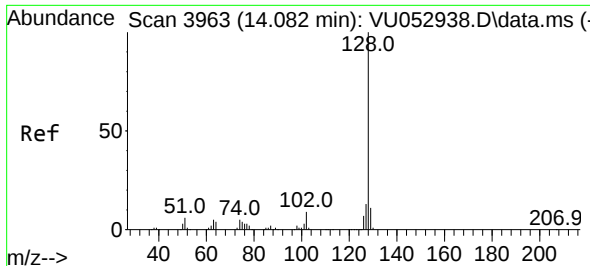
Tgt Ion:180 Resp: 142872
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 184 29.6 24.4 36.6
 145 29.2 23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 49.533 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052954.D
 Acq: 03 Feb 2023 19:14

Tgt Ion:180 Resp: 122749
 Ion Ratio Lower Upper
 180 100
 182 93.6 78.2 117.2
 145 28.9 23.4 35.2

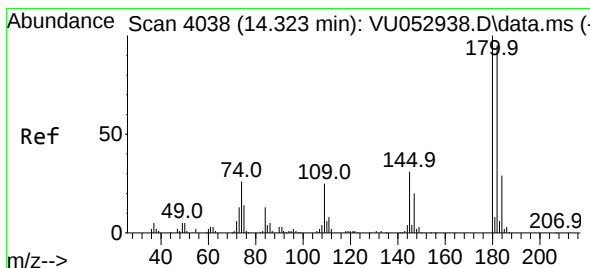
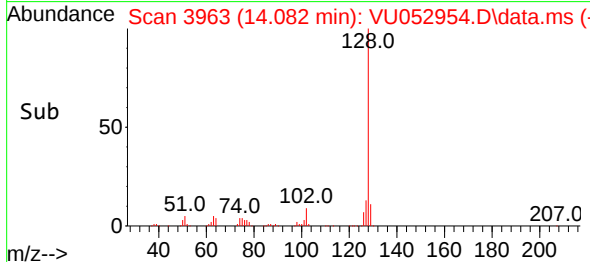
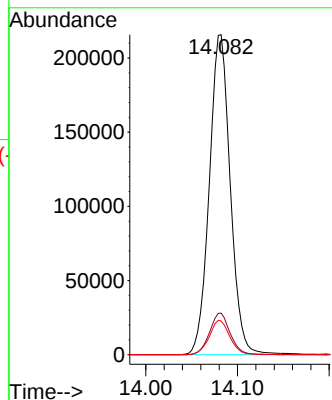
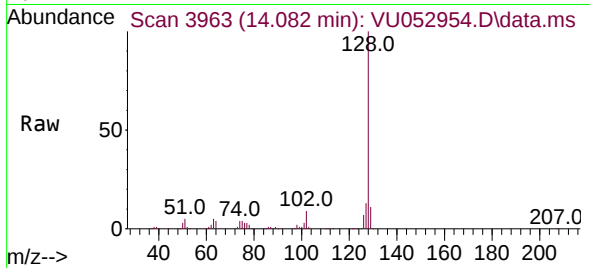




#71
Naphthalene
Concen: 48.179 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 343102
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.5 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.365 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052954.D
Acq: 03 Feb 2023 19:14

Tgt Ion:180 Resp: 129284
Ion Ratio Lower Upper
180 100
182 94.8 77.5 116.3
145 30.7 24.2 36.4

