

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053508.D
 Acq On : 31 Mar 2023 21:40
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 05:10:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	336747	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	315112	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	186153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	126459	48.228	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.460%
7) Chloroethane-d5	1.909	69	99305	49.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.240%
11) 1,1-Dichloroethene-d2	2.565	63	197878	48.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.500%
21) 2-Butanone-d5	4.610	46	125124	105.396	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.400%
24) Chloroform-d	5.057	84	203784	46.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
26) 1,2-Dichloroethane-d4	5.694	65	124367	48.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.060%
32) Benzene-d6	5.723	84	413911	48.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	6.684	67	121377	46.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.380%
41) Toluene-d8	7.893	98	413665	48.932	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.860%
43) trans-1,3-Dichloroprop...	8.173	79	65238	48.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
47) 2-Hexanone-d5	8.626	63	96343	108.582	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	181635	49.569	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.140%
66) 1,2-Dichlorobenzene-d4	12.188	152	183619	47.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	133700	48.917	ug/L	99
3) Chloromethane	1.520	50	116202	51.740	ug/L	99
5) Vinyl chloride	1.604	62	131245	50.424	ug/L	99
6) Bromomethane	1.851	94	91706	48.423	ug/L	97
8) Chloroethane	1.932	64	76946	49.153	ug/L	98
9) Trichlorofluoromethane	2.137	101	200810	50.160	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	112416	48.486	ug/L	99
12) 1,1-Dichloroethene	2.578	96	103898	50.282	ug/L	91
13) Acetone	2.617	43	94361	88.442	ug/L	99
14) Carbon disulfide	2.790	76	260865	47.725	ug/L	97
15) Methyl Acetate	2.941	43	89083	54.512	ug/L	95
16) Methylene chloride	3.041	84	113038	48.671	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	103134	49.664	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	309618	51.152	ug/L	99
19) 1,1-Dichloroethane	3.864	63	173517	50.442	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	119283	49.730	ug/L	99
22) 2-Butanone	4.690	43	128276	99.241	ug/L	94
23) Bromochloromethane	4.967	128	65064	48.698	ug/L	98
25) Chloroform	5.083	83	196746	49.866	ug/L	100

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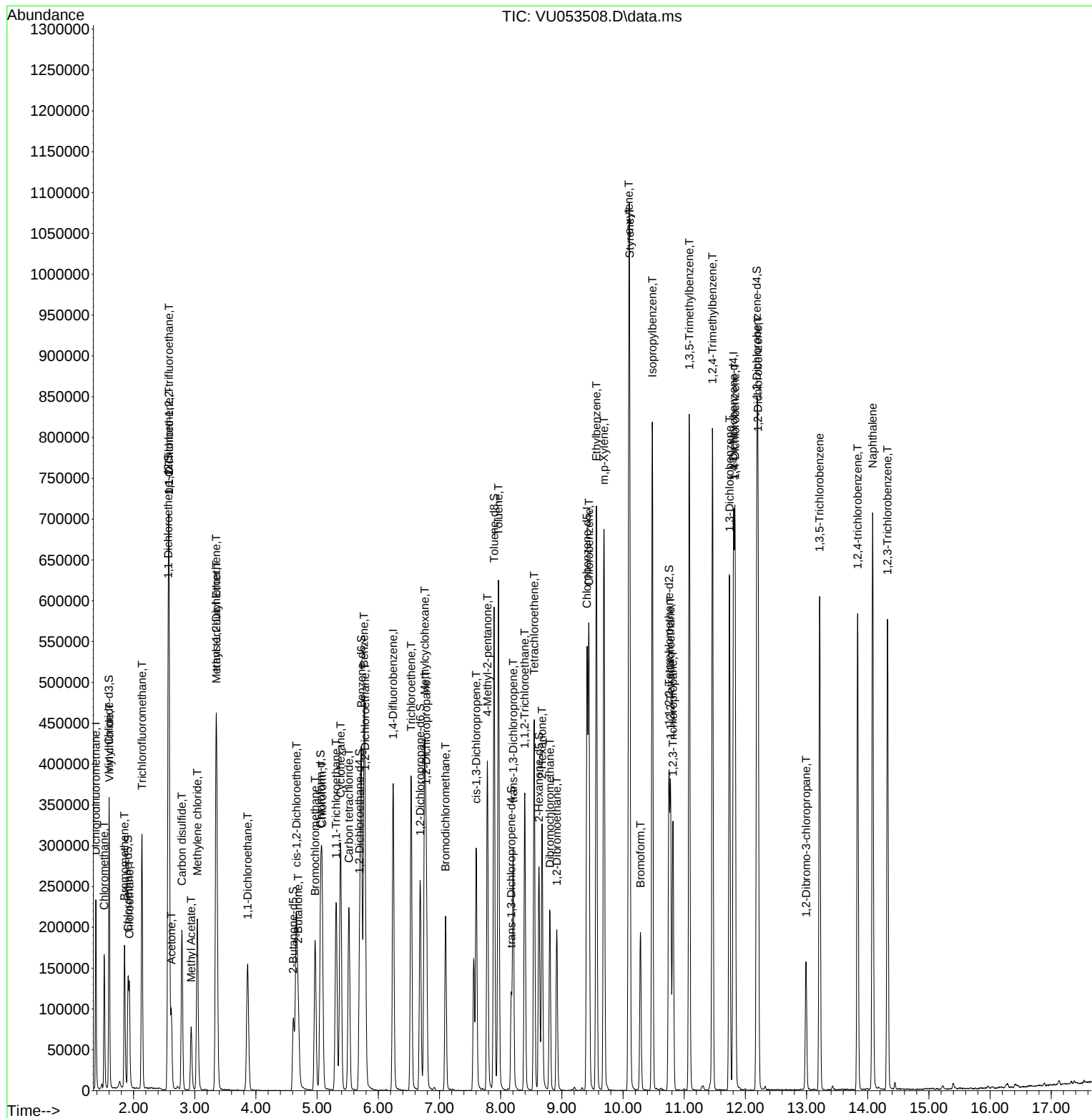
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	146504	50.703	ug/L	98
29) Cyclohexane	5.382	56	152386	50.234	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	173699	50.026	ug/L	100
31) Carbon tetrachloride	5.520	117	151707	48.767	ug/L	99
33) Benzene	5.768	78	413625	50.380	ug/L	100
34) Trichloroethene	6.536	95	123269	49.642	ug/L	98
35) Methylcyclohexane	6.758	83	179879	49.282	ug/L	99
37) 1,2-Dichloropropane	6.784	63	104799	50.271	ug/L	100
38) Bromodichloromethane	7.099	83	137141	49.313	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	176947	51.942	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	244261	107.823	ug/L	99
42) Toluene	7.964	91	476131	51.175	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	165298	51.328	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	117990	51.551	ug/L	99
46) Tetrachloroethene	8.549	164	104192	50.564	ug/L	98
48) 2-Hexanone	8.677	43	192074	104.815	ug/L	99
49) Dibromochloromethane	8.806	129	117258	49.270	ug/L	99
50) 1,2-Dibromoethane	8.919	107	132316	51.672	ug/L	99
51) Chlorobenzene	9.443	112	320438	49.987	ug/L	99
52) Ethylbenzene	9.565	91	523904	50.584	ug/L	98
53) m,p-Xylene	9.690	106	211280	52.159	ug/L	99
54) o-xylene	10.095	106	205233	51.245	ug/L	100
55) Styrene	10.108	104	339555	52.053	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	174518	51.932	ug/L	97
59) Bromoform	10.285	173	91171	47.849	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	136677	50.637	ug/L	99
61) Isopropylbenzene	10.478	105	544358	49.460	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	460114	50.291	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	456126	50.336	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	278513	48.430	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	277258	47.304	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	276091	48.170	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	36606	50.873	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	202594	47.572	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	189237	47.928	ug/L	98
71) Naphthalene	14.079	128	596734	50.493	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	190387	48.276	ug/L	100

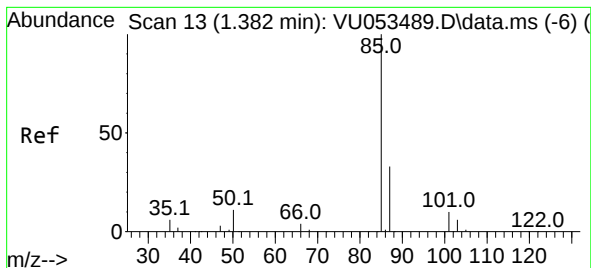
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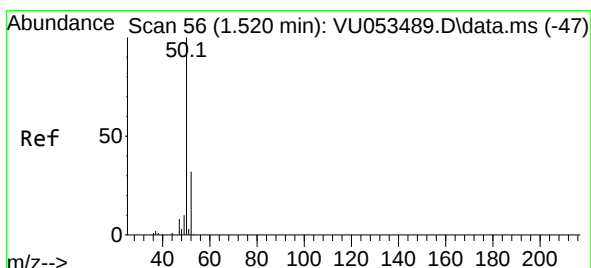
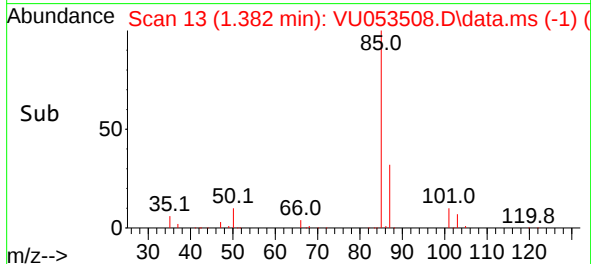
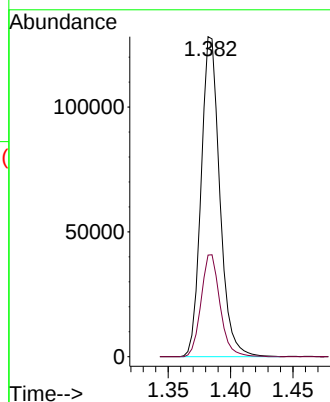
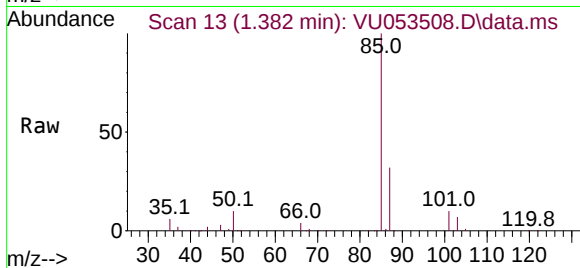




#2
Dichlorodifluoromethane
Concen: 48.917 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

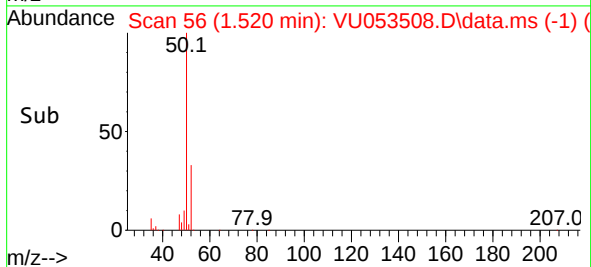
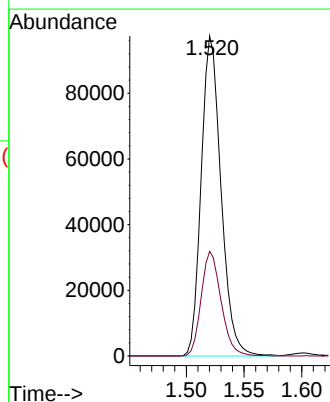
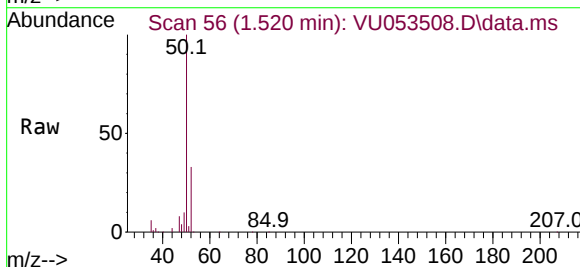
Instrument :
MSVOA_W
ClientSampleId :

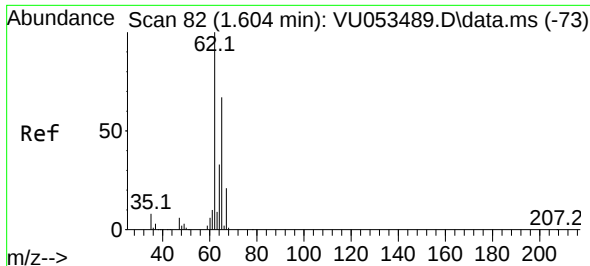
Tgt Ion: 85 Resp: 133700
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 51.740 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

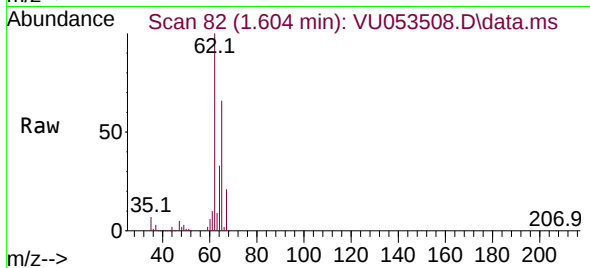
Tgt Ion: 50 Resp: 116202
Ion Ratio Lower Upper
50 100
52 32.7 22.7 42.1



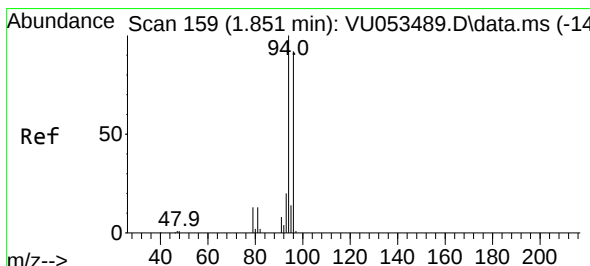
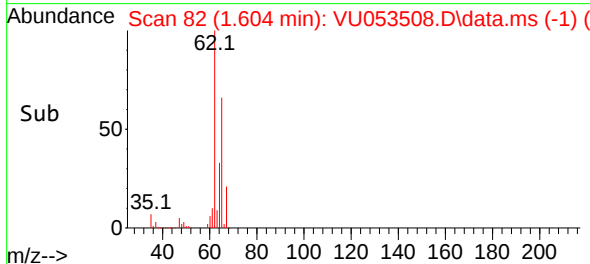
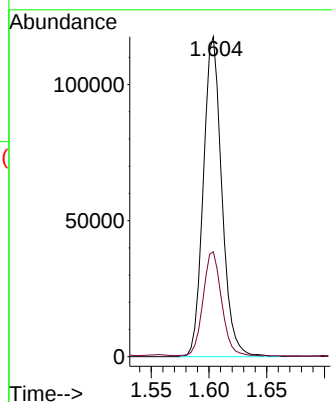


#5
 Vinyl chloride
 Concen: 50.424 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053508.D
 Acq: 31 Mar 2023 21:40

Instrument :
 MSVOA_W
 ClientSampleId :

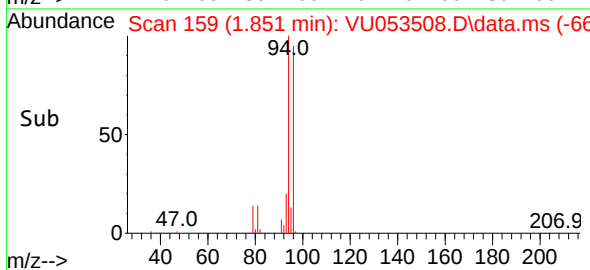
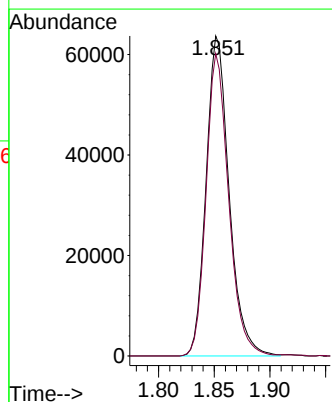
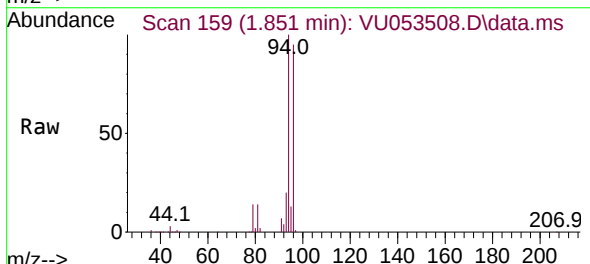


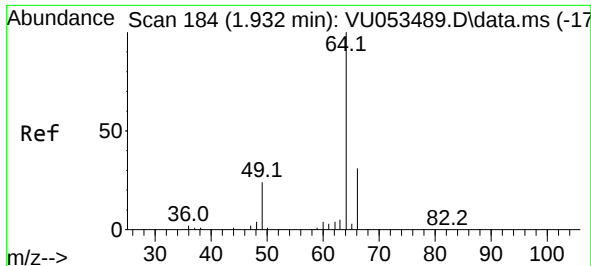
Tgt Ion: 62 Resp: 131245
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 48.423 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053508.D
 Acq: 31 Mar 2023 21:40

Tgt Ion: 94 Resp: 91706
 Ion Ratio Lower Upper
 94 100
 96 94.5 64.4 119.6

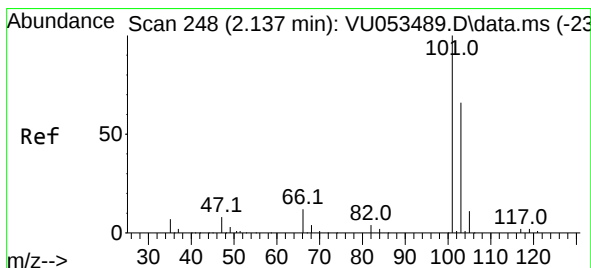
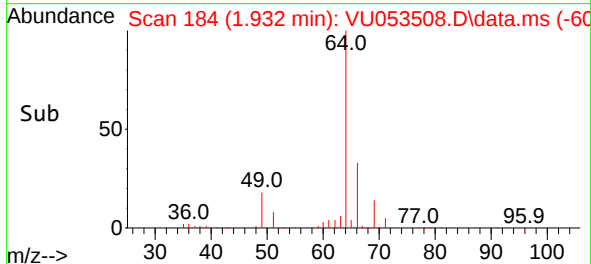
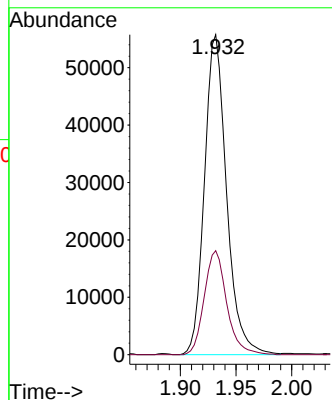
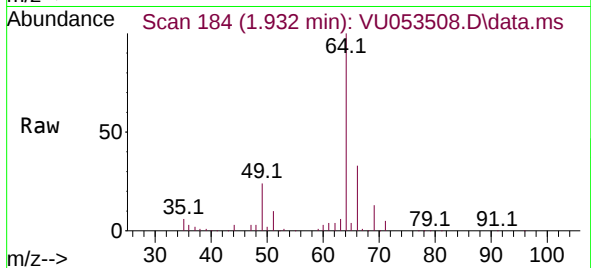




#8
Chloroethane
Concen: 49.153 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

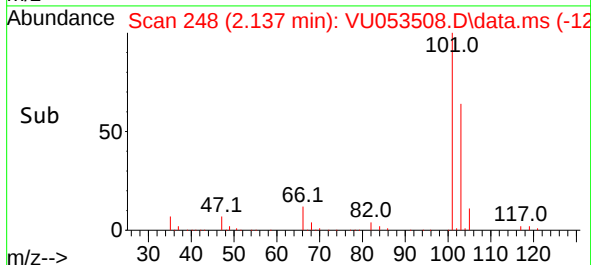
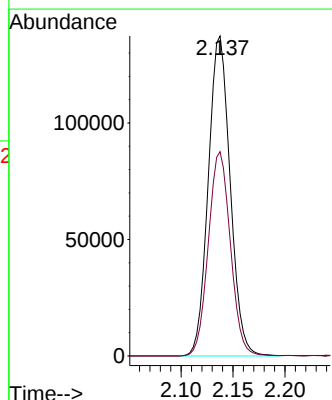
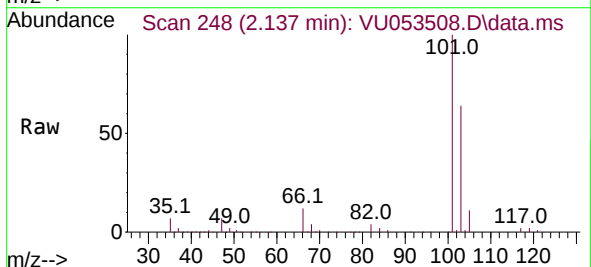
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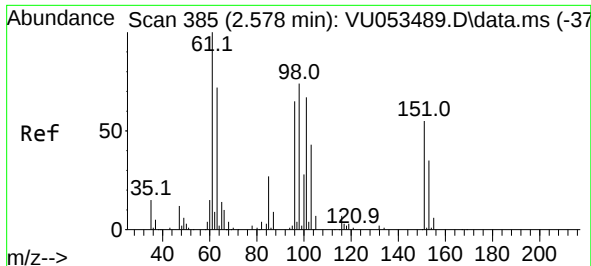
Tgt Ion: 64 Resp: 76946
Ion Ratio Lower Upper
64 100
66 32.5 21.8 40.6



#9
Trichlorofluoromethane
Concen: 50.160 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:101 Resp: 200810
Ion Ratio Lower Upper
101 100
103 64.3 52.5 78.7

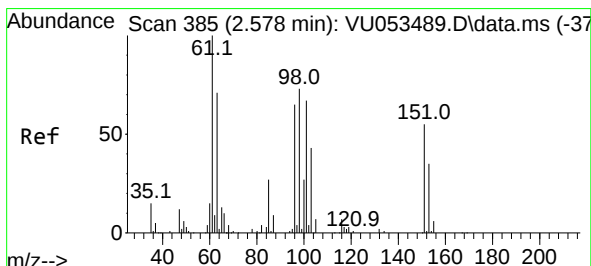
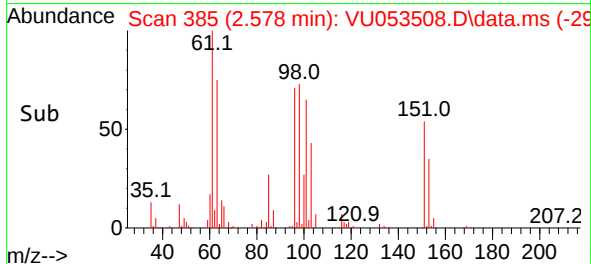
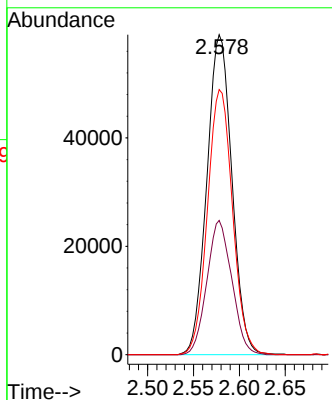
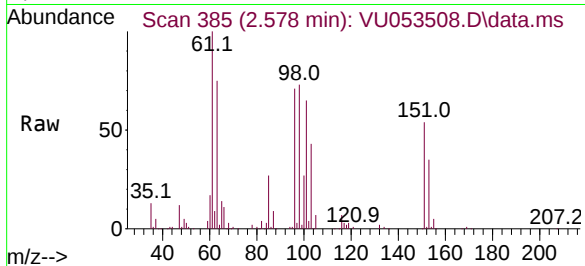




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.486 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053508.D
 Acq: 31 Mar 2023 21:40

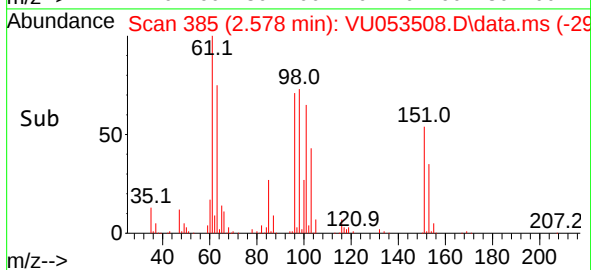
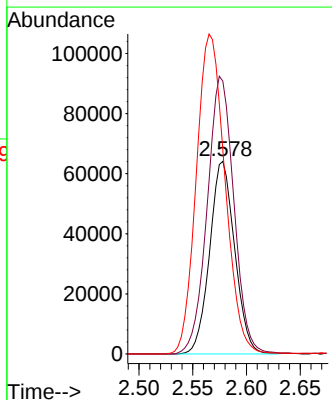
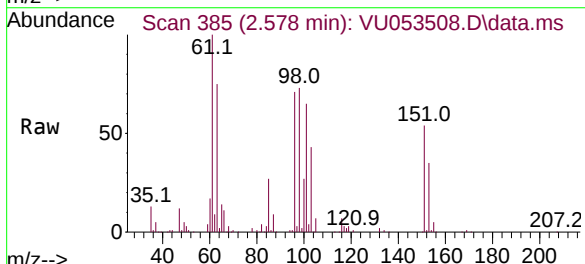
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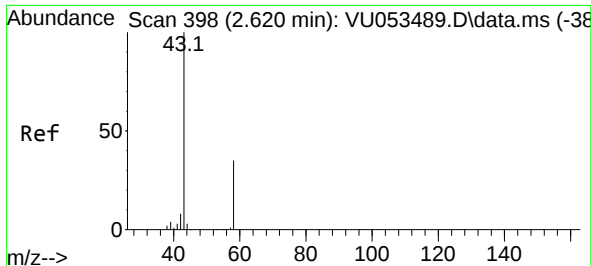
Tgt Ion:101 Resp: 112416
 Ion Ratio Lower Upper
 101 100
 85 41.6 32.6 48.8
 151 83.0 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 50.282 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053508.D
 Acq: 31 Mar 2023 21:40

Tgt Ion: 96 Resp: 103898
 Ion Ratio Lower Upper
 96 100
 61 141.6 107.9 200.5
 63 105.7 79.1 146.9





#13

Acetone

Concen: 88.442 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

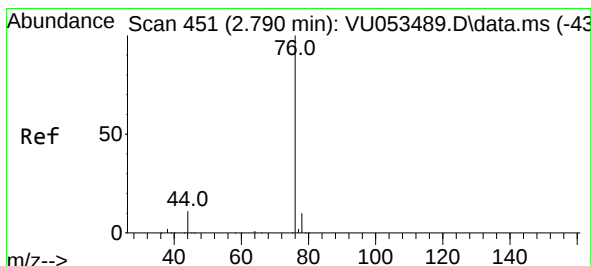
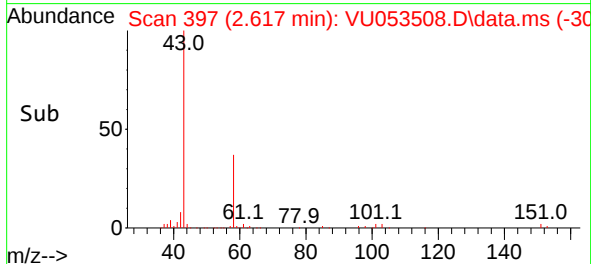
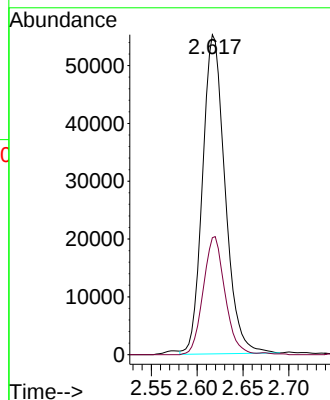
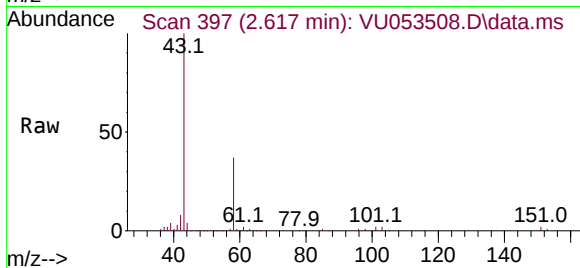
ClientSampleId :

Tgt Ion: 43 Resp: 94361

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.2



#14

Carbon disulfide

Concen: 47.725 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053508.D

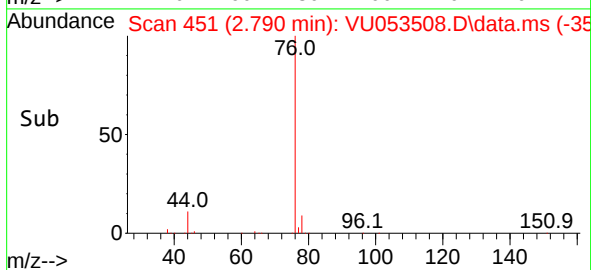
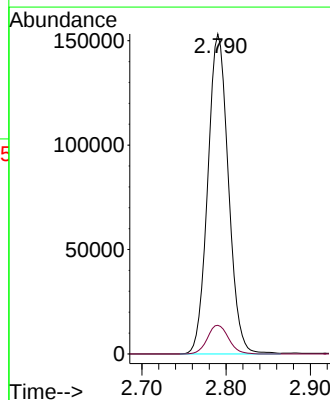
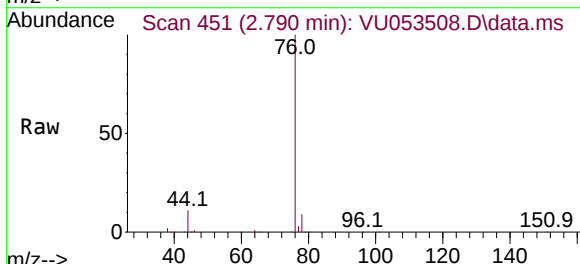
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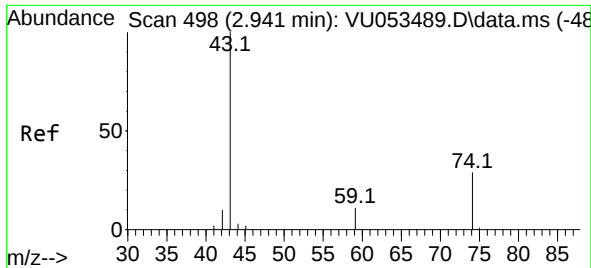
Tgt Ion: 76 Resp: 260865

Ion Ratio Lower Upper

76 100

78 9.0 8.2 12.2

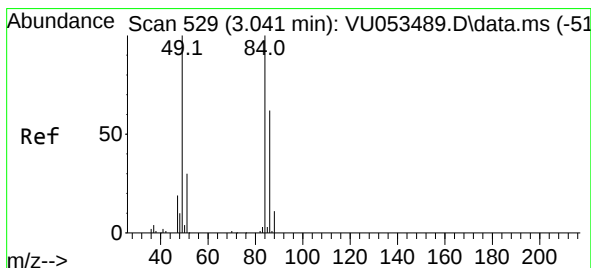
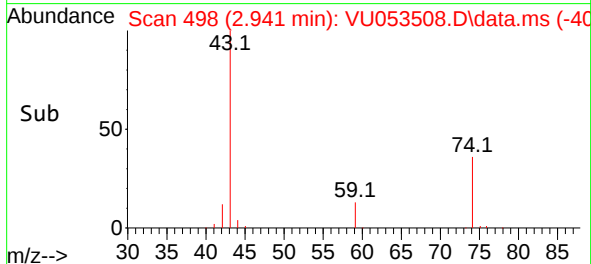
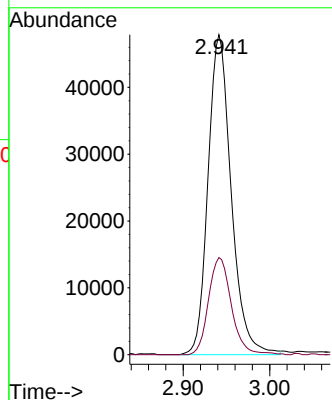
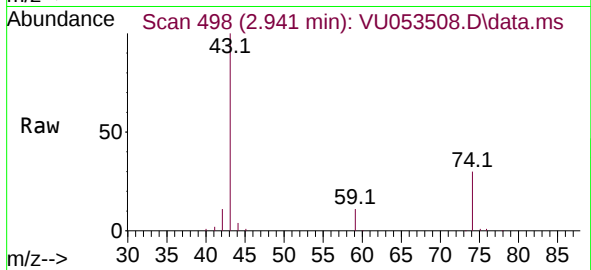




#15
Methyl Acetate
Concen: 54.512 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

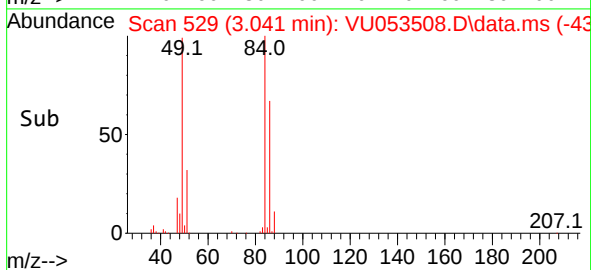
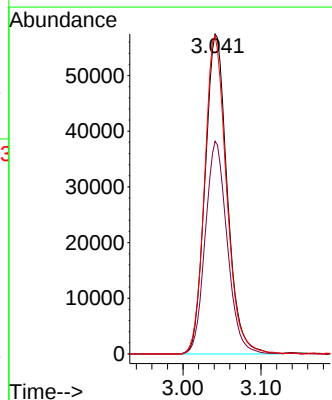
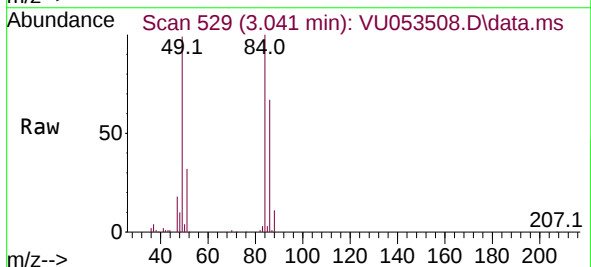
Instrument :
MSVOA_W
ClientSampleId :

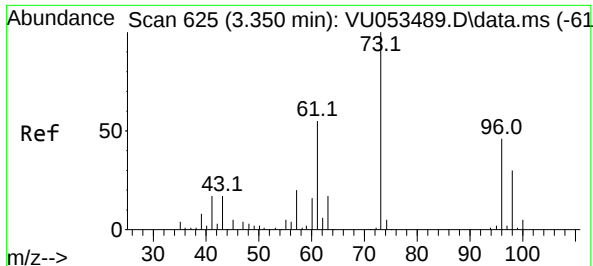
Tgt Ion: 43 Resp: 89083
Ion Ratio Lower Upper
43 100
74 29.9 22.0 33.0



#16
Methylene chloride
Concen: 48.671 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion: 84 Resp: 113038
Ion Ratio Lower Upper
84 100
86 66.5 43.5 80.9
49 99.4 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 49.664 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

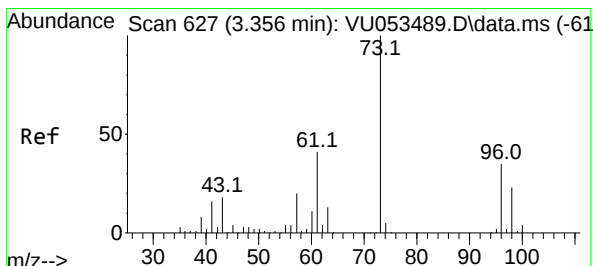
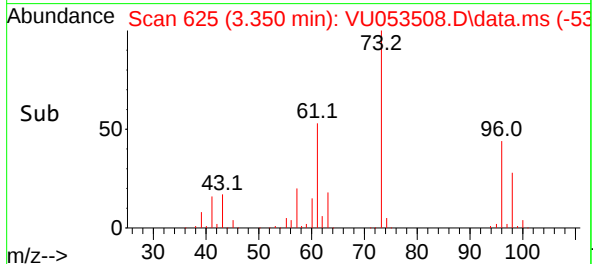
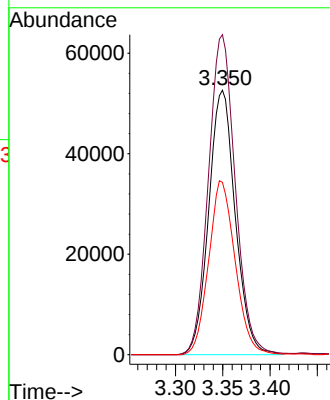
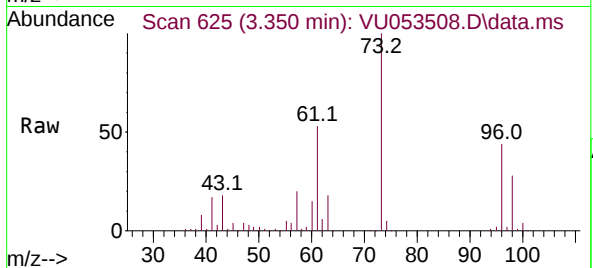
Tgt Ion: 96 Resp: 103134

Ion Ratio Lower Upper

96 100

61 121.0 84.4 156.8

98 65.2 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 51.152 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

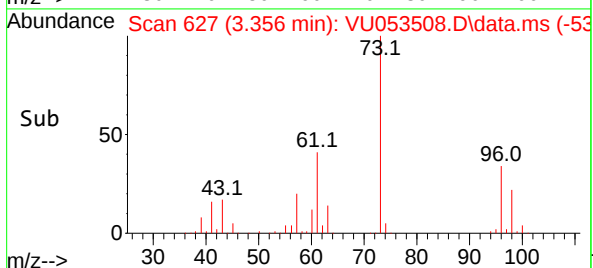
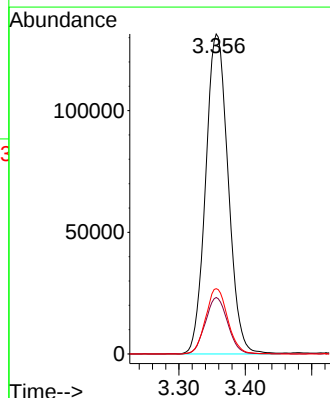
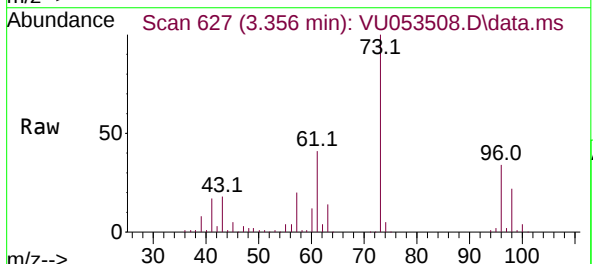
Tgt Ion: 73 Resp: 309618

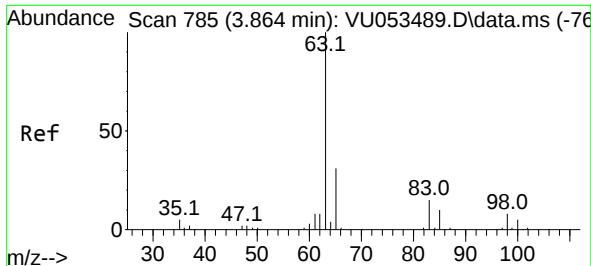
Ion Ratio Lower Upper

73 100

43 17.5 13.8 20.8

57 20.1 15.9 23.9





#19

1,1-Dichloroethane

Concen: 50.442 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

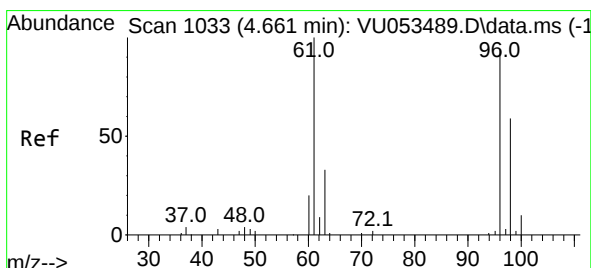
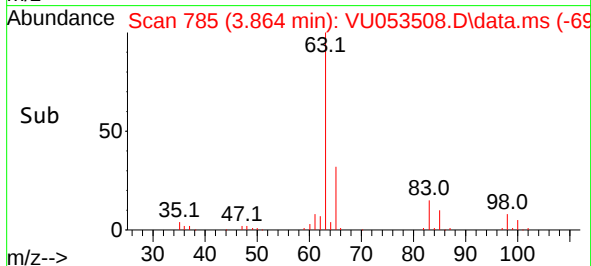
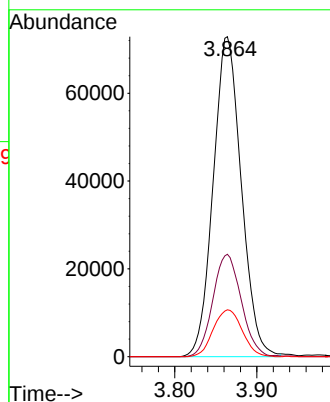
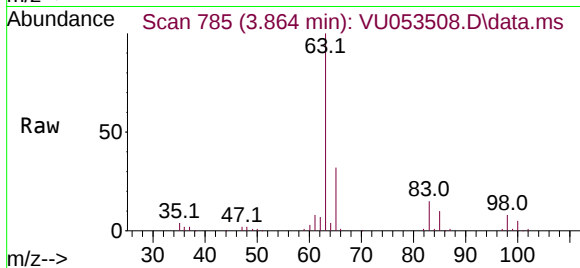
Tgt Ion: 63 Resp: 173517

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 14.6 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 49.730 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

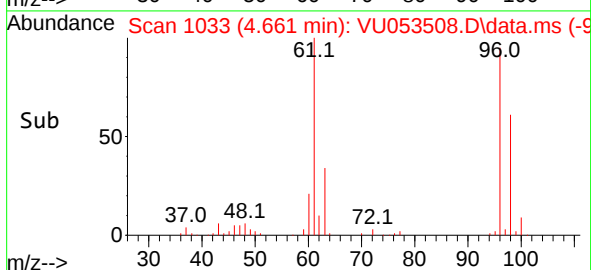
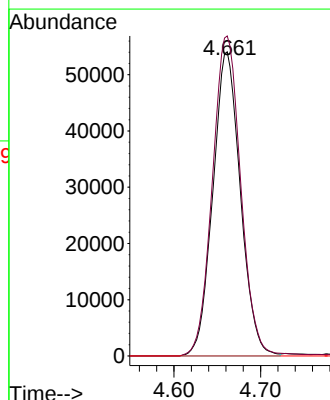
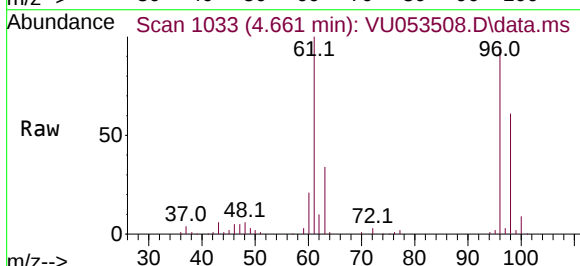
Tgt Ion: 96 Resp: 119283

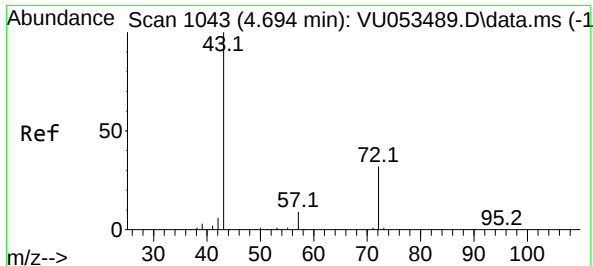
Ion Ratio Lower Upper

96 100

61 105.2 74.7 138.7

68 0.0 0.0 0.0

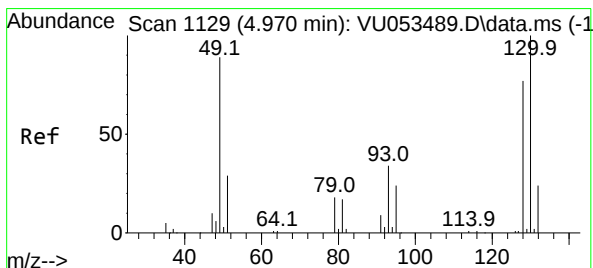
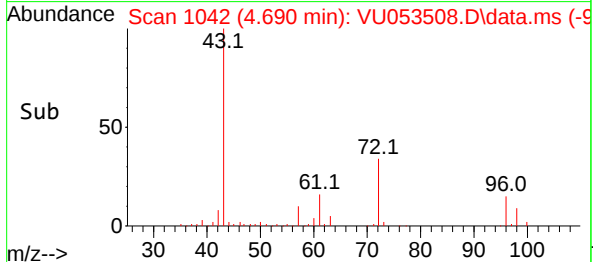
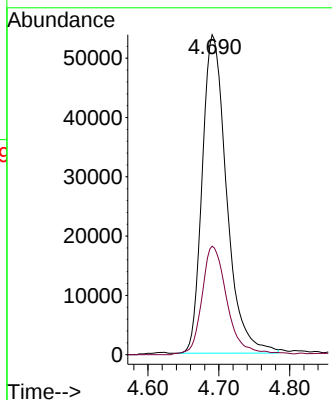
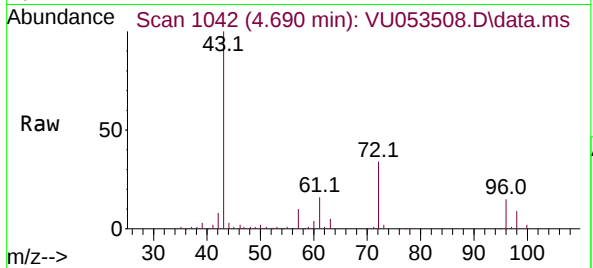




#22
2-Butanone
Concen: 99.241 ug/L
RT: 4.690 min Scan# 1043
Delta R.T. -0.003 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

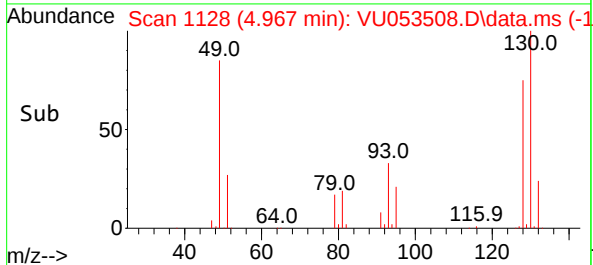
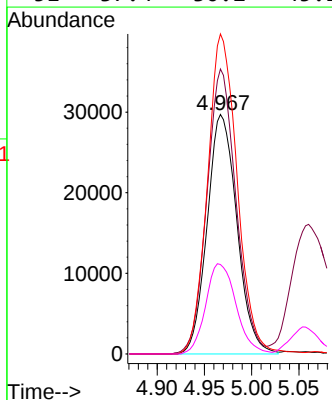
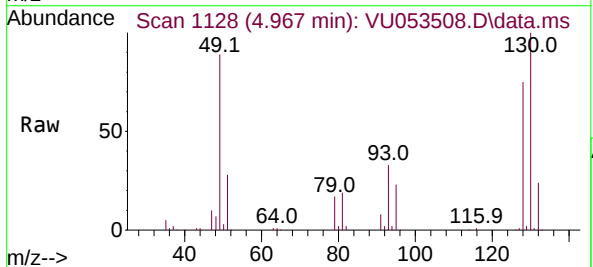
Instrument :
MSVOA_W
ClientSampleId :

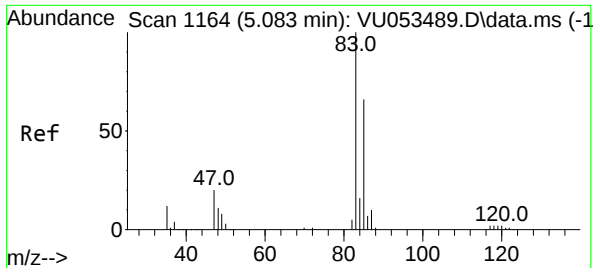
Tgt Ion: 43 Resp: 128276
Ion Ratio Lower Upper
43 100
72 34.6 15.8 47.3



#23
Bromochloromethane
Concen: 48.698 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:128 Resp: 65064
Ion Ratio Lower Upper
128 100
49 119.0 81.5 151.3
130 133.6 91.8 170.4
51 37.4 30.2 45.2

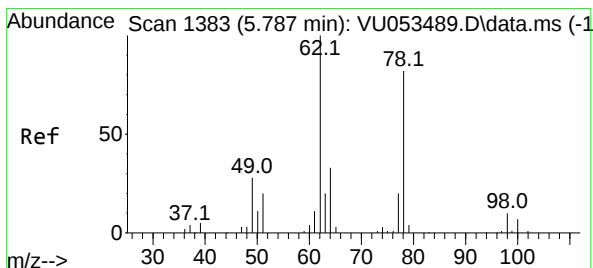
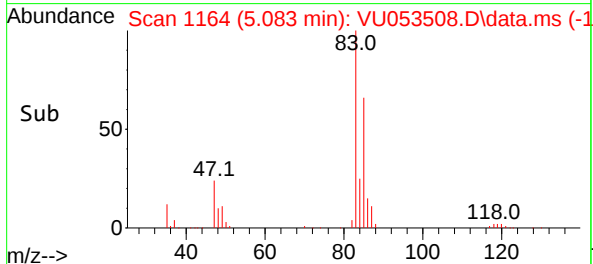
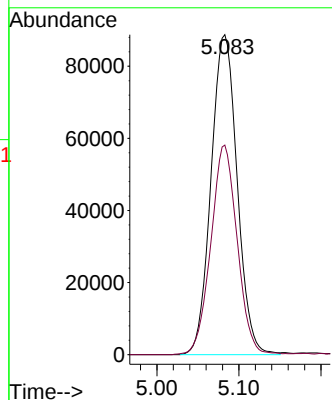
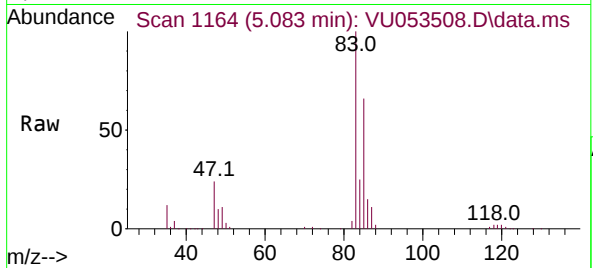




#25
Chloroform
Concen: 49.866 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

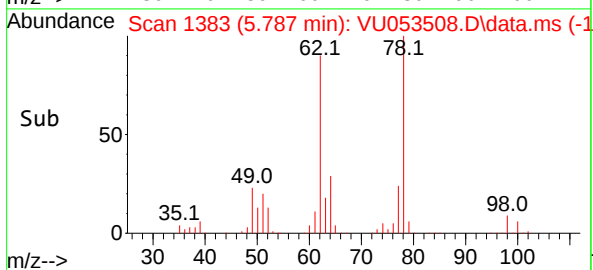
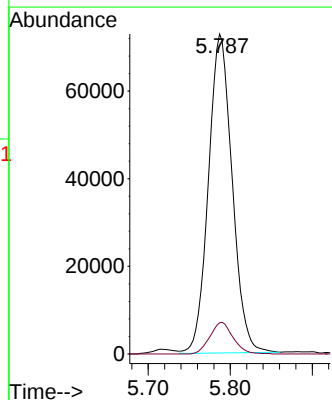
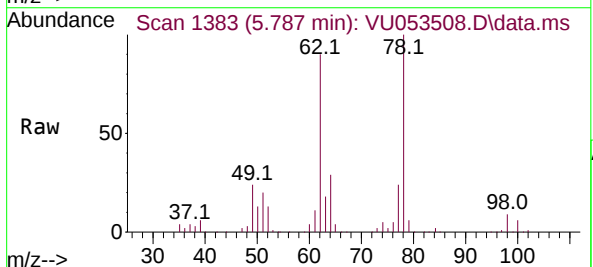
Instrument :
MSVOA_W
ClientSampleId :

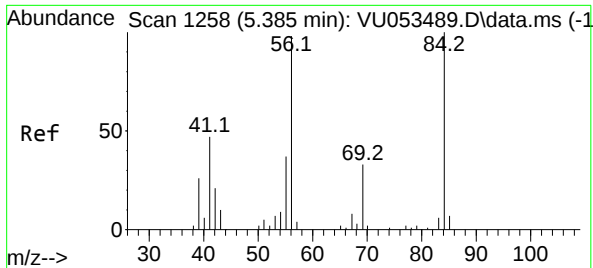
Tgt Ion: 83 Resp: 196746
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 50.703 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion: 62 Resp: 146504
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5





#29

Cyclohexane

Concen: 50.234 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

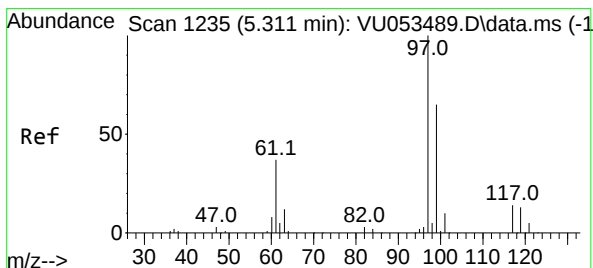
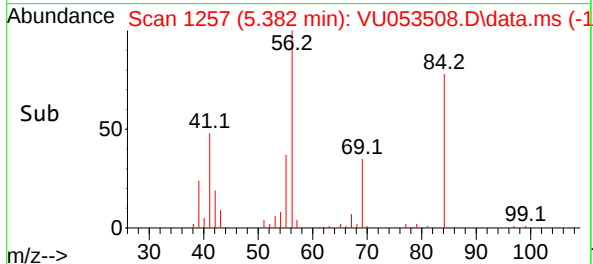
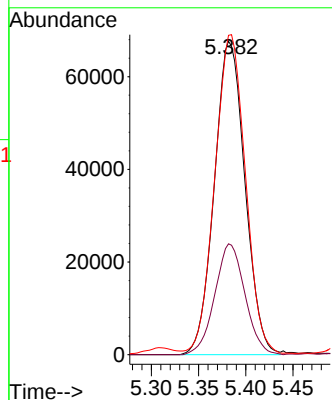
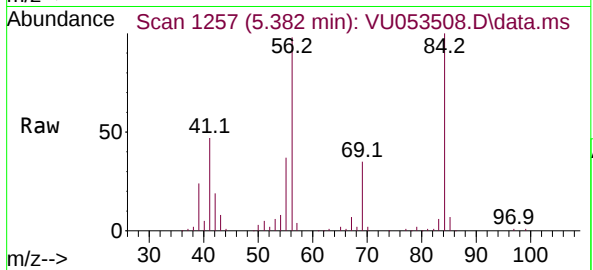
Tgt Ion: 56 Resp: 152386

Ion Ratio Lower Upper

56 100

69 34.8 27.3 40.9

84 102.1 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 50.026 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

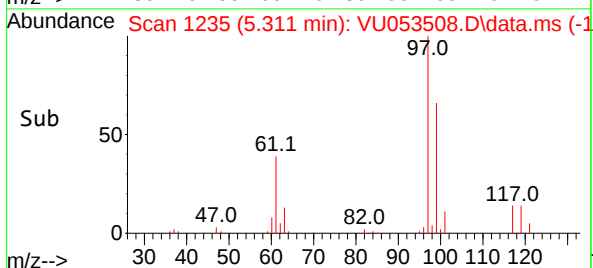
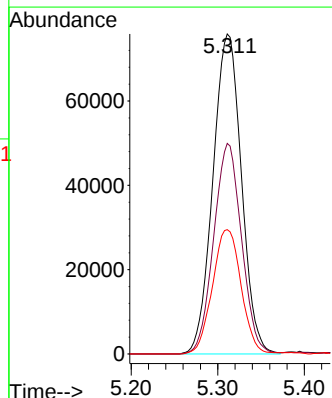
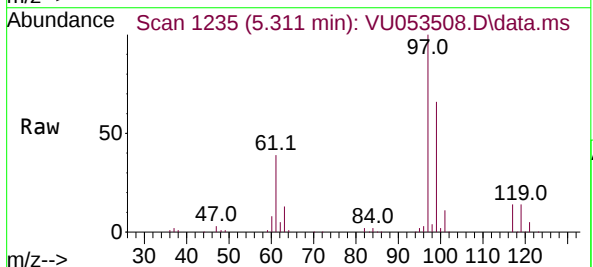
Tgt Ion: 97 Resp: 173699

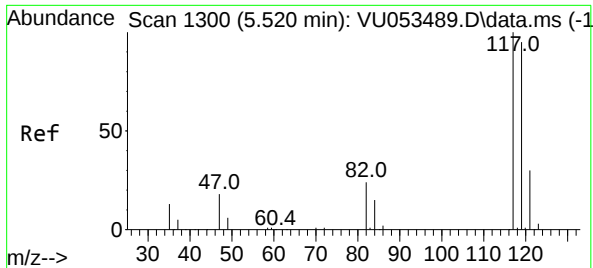
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 39.1 31.0 46.4

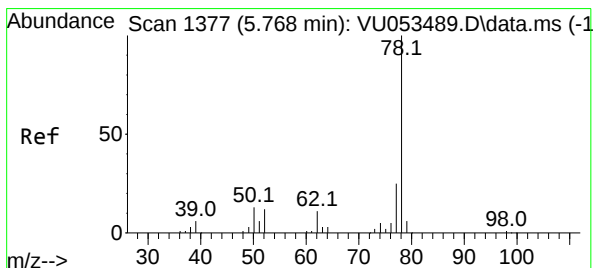
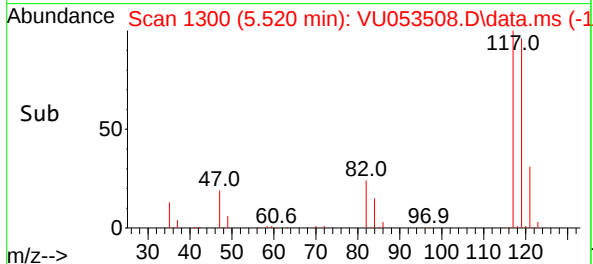
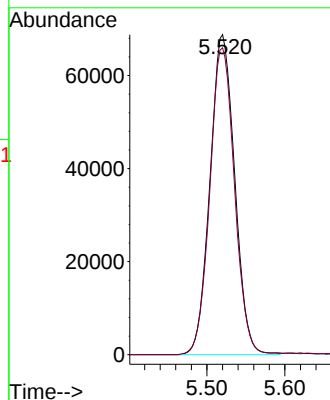
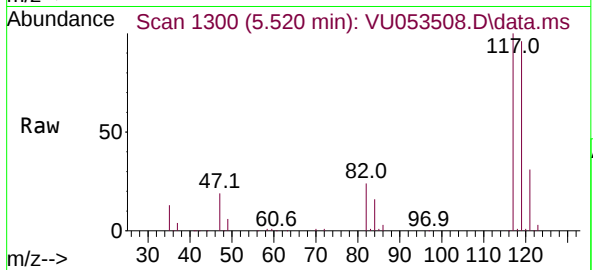




#31
Carbon tetrachloride
Concen: 48.767 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

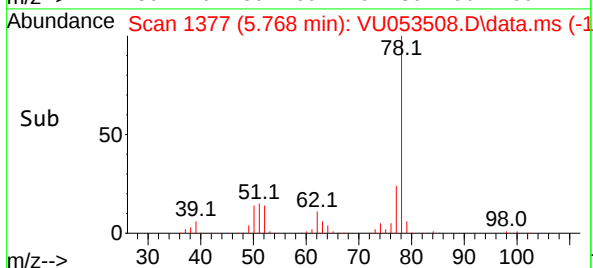
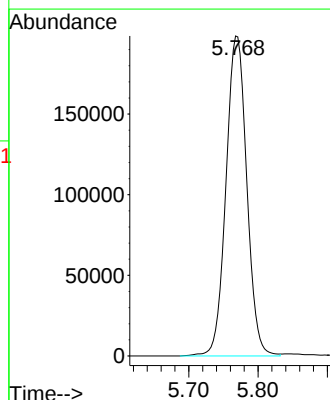
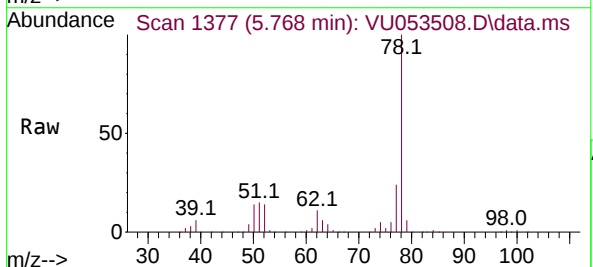
Instrument :
MSVOA_W
ClientSampleId :

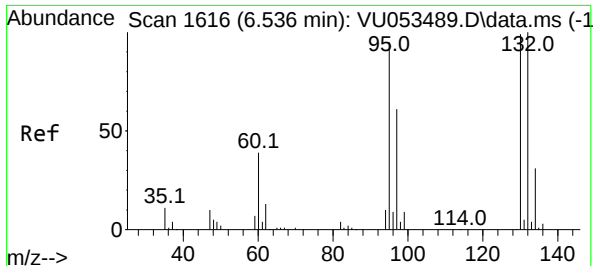
Tgt Ion:117 Resp: 151707
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 50.380 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion: 78 Resp: 413625

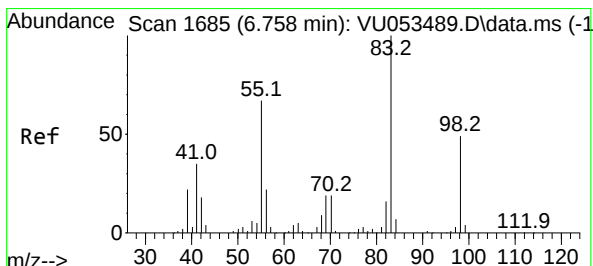
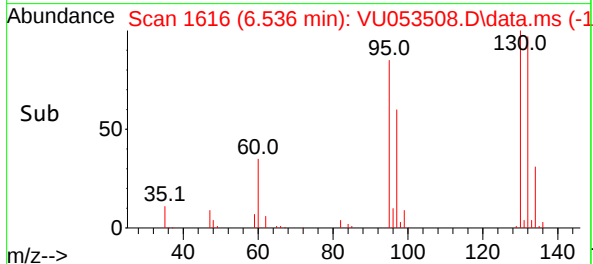
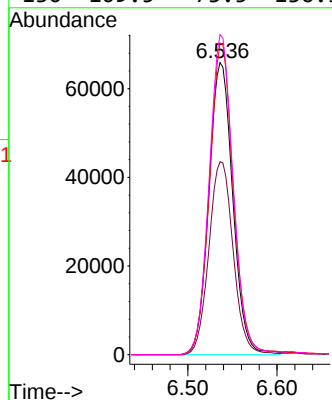
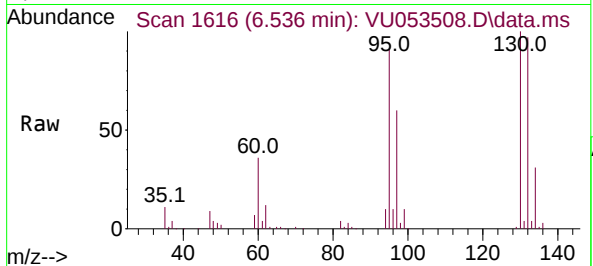




#34
Trichloroethene
Concen: 49.642 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

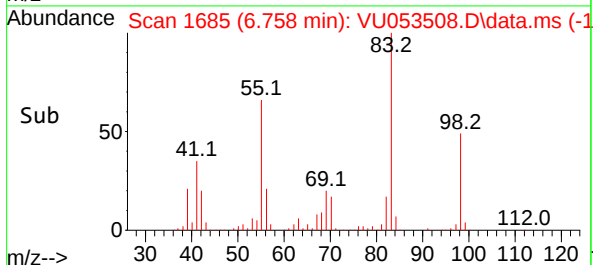
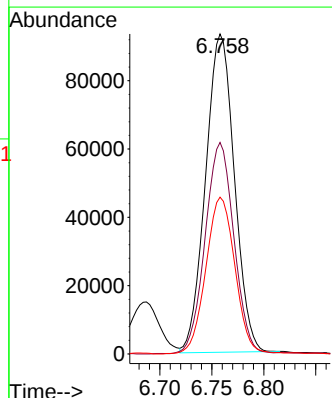
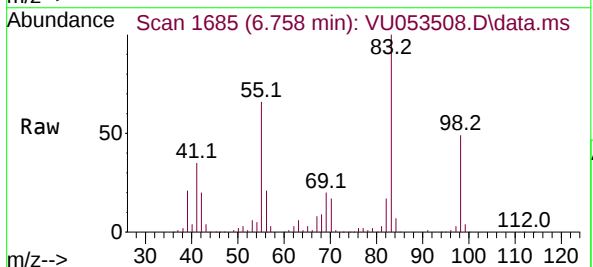
Instrument :
MSVOA_W
ClientSampleId :

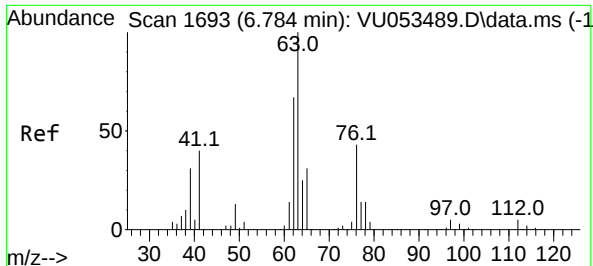
Tgt Ion: 95 Resp: 123269
Ion Ratio Lower Upper
95 100
97 66.0 45.1 83.7
132 106.7 74.1 137.5
130 109.5 73.5 136.5



#35
Methylcyclohexane
Concen: 49.282 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion: 83 Resp: 179879
Ion Ratio Lower Upper
83 100
55 66.2 53.0 79.6
98 49.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 50.271 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

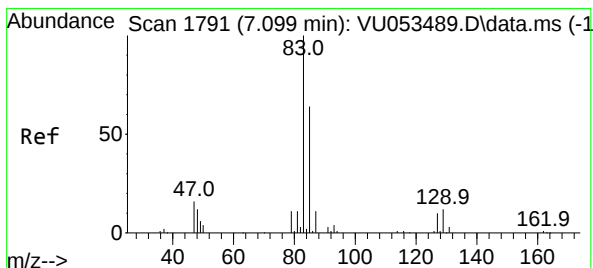
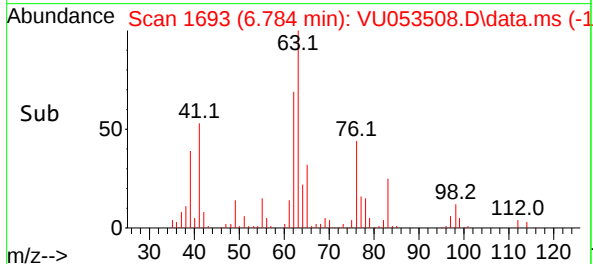
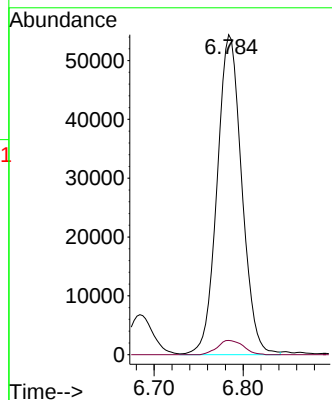
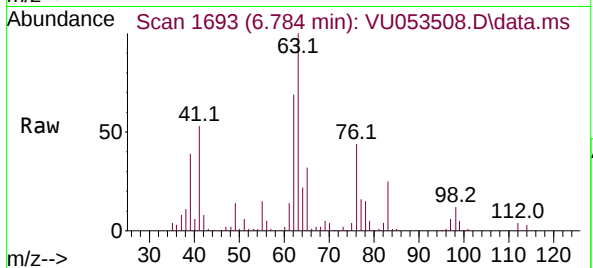
ClientSampleId :

Tgt Ion: 63 Resp: 104799

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 49.313 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

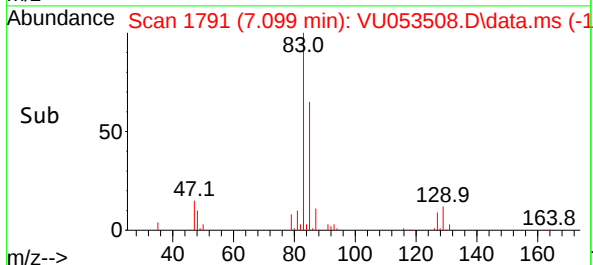
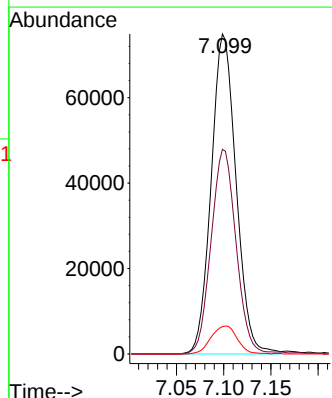
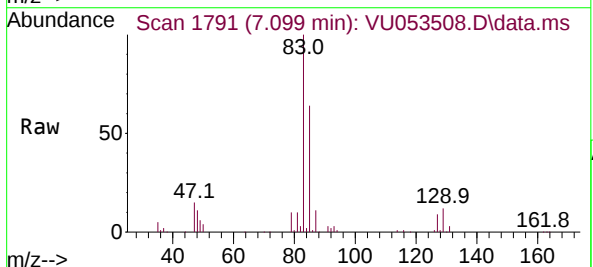
Tgt Ion: 83 Resp: 137141

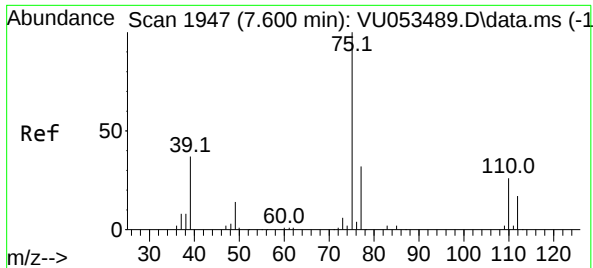
Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.5

127 8.5 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 51.942 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

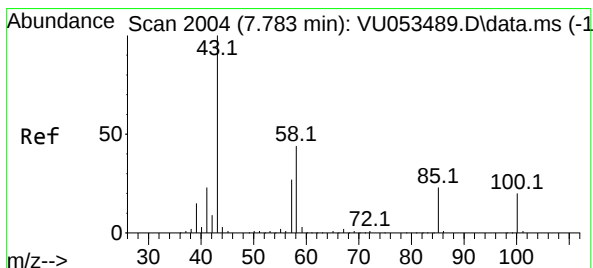
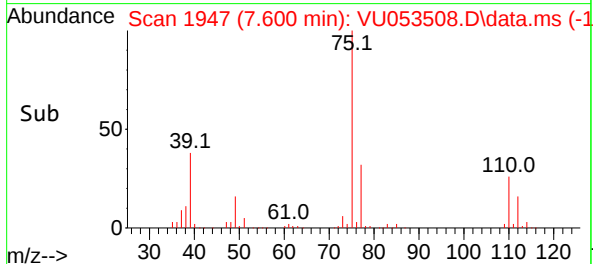
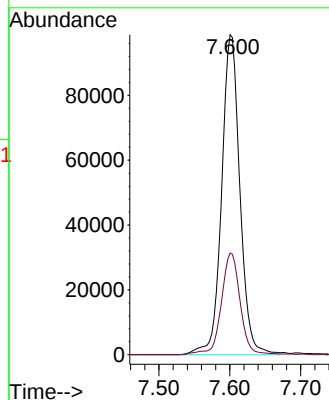
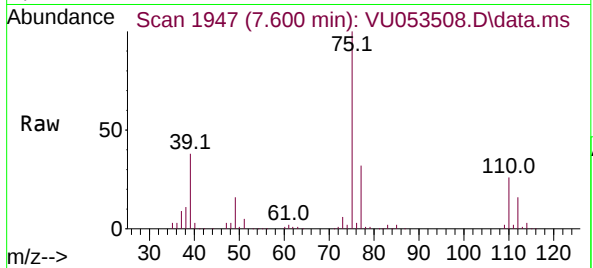
ClientSampleId :

Tgt Ion: 75 Resp: 176947

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 107.823 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

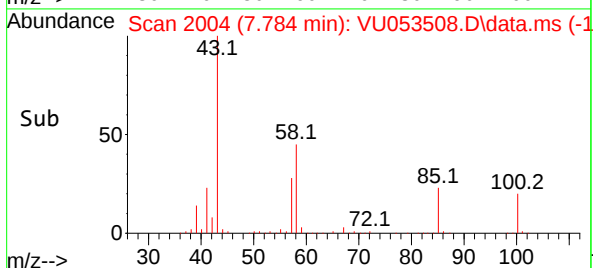
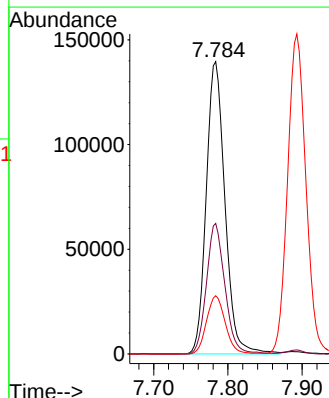
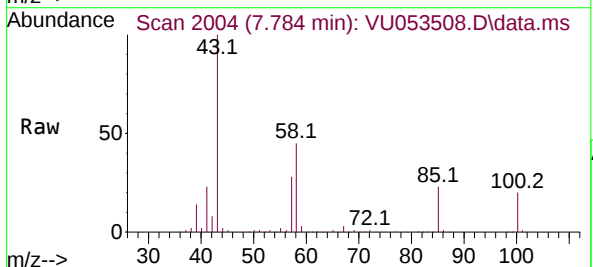
Tgt Ion: 43 Resp: 244261

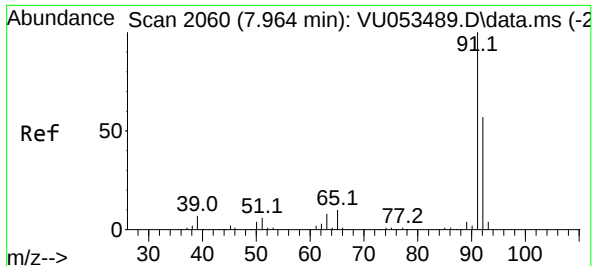
Ion Ratio Lower Upper

43 100

58 43.8 35.5 53.3

100 19.9 15.8 23.8





#42

Toluene

Concen: 51.175 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

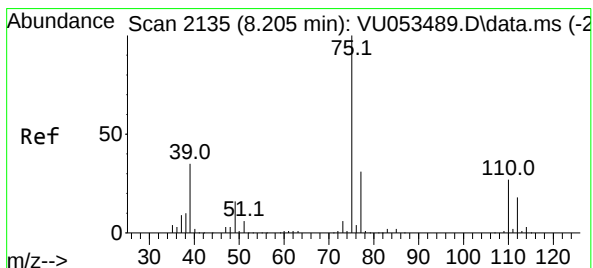
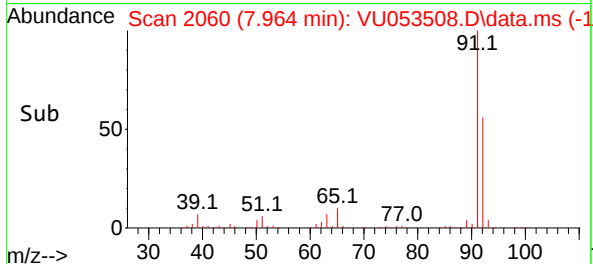
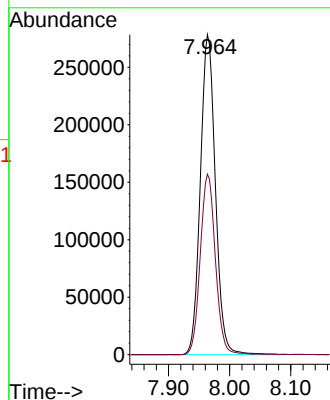
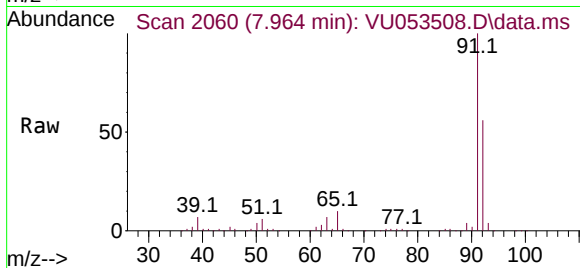
ClientSampleId :

Tgt Ion: 91 Resp: 476131

Ion Ratio Lower Upper

91 100

92 56.4 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.328 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053508.D

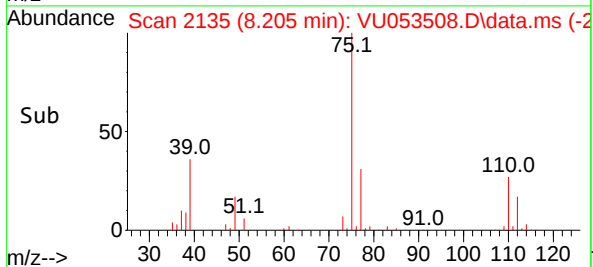
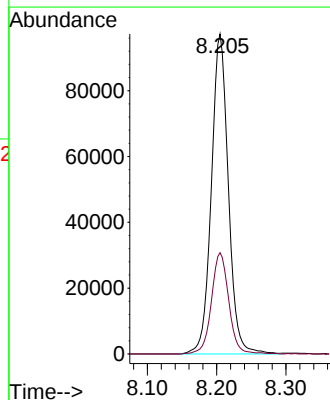
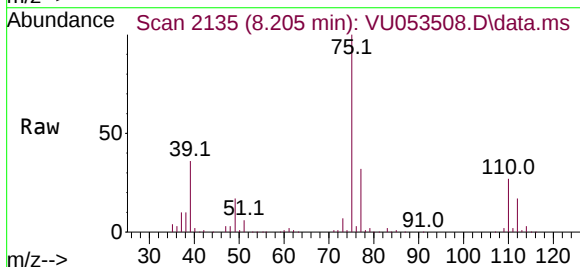
Acq: 31 Mar 2023 21:40

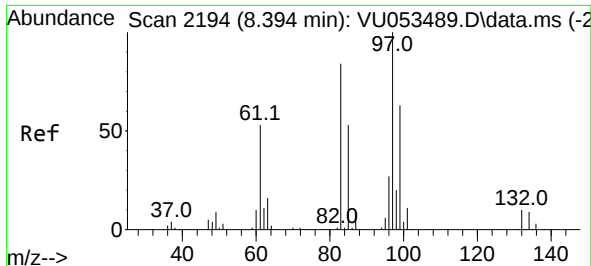
Tgt Ion: 75 Resp: 165298

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4

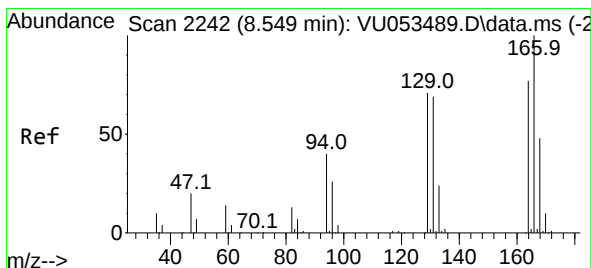
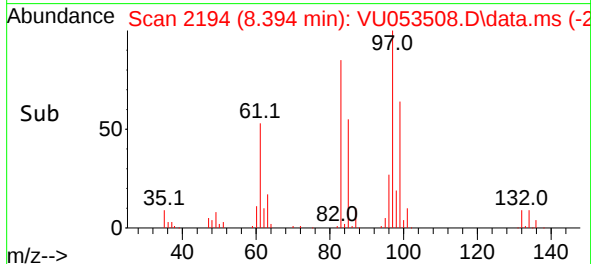
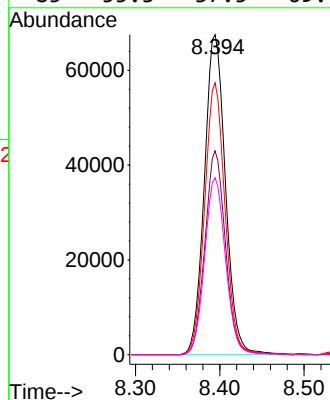
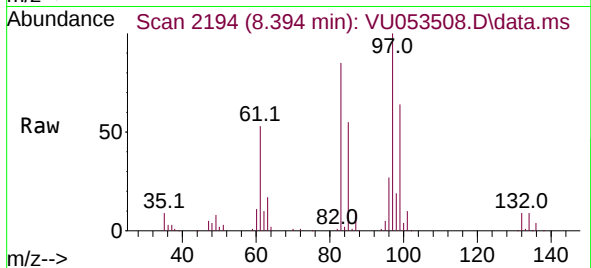




#45
1,1,2-Trichloroethane
Concen: 51.551 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

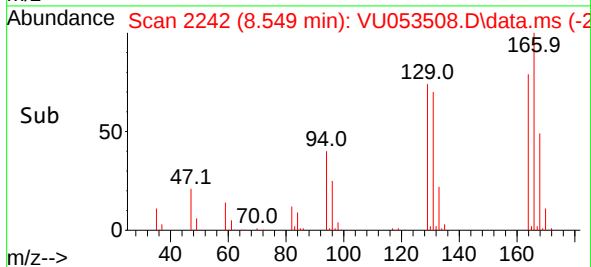
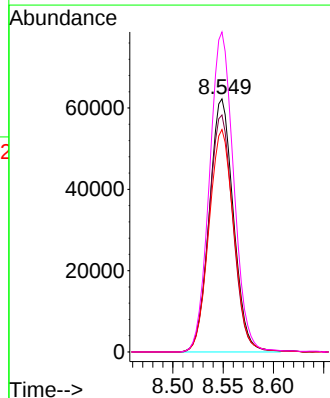
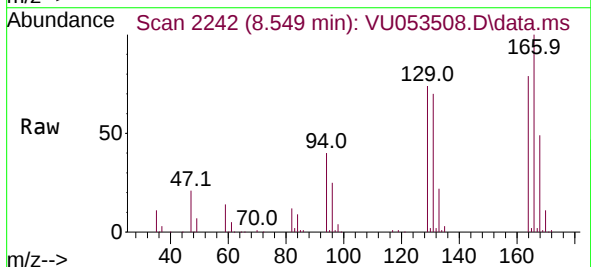
Instrument :
MSVOA_W
ClientSampleId :

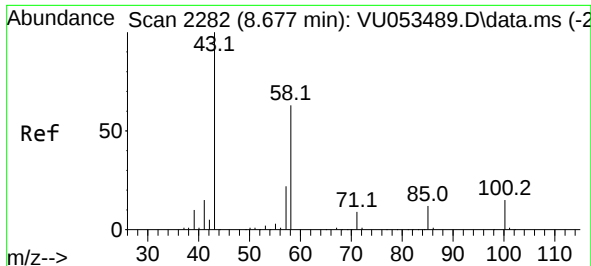
Tgt Ion:	97	Resp:	117990
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.8	81.3
83	85.0	59.0	109.6
85	55.3	37.5	69.7



#46
Tetrachloroethene
Concen: 50.564 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:	164	Resp:	104192
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.0	119.0
131	87.9	61.9	115.1
166	126.4	90.6	168.2

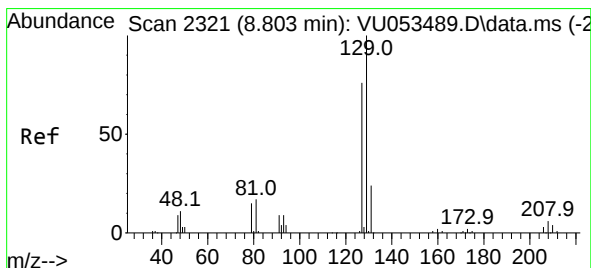
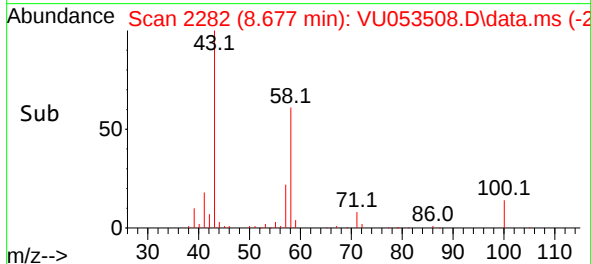
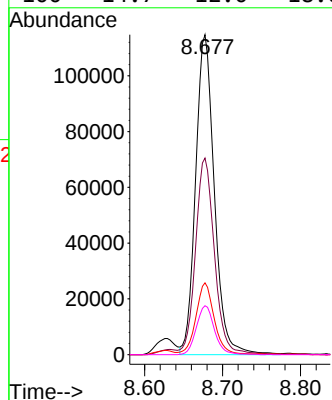
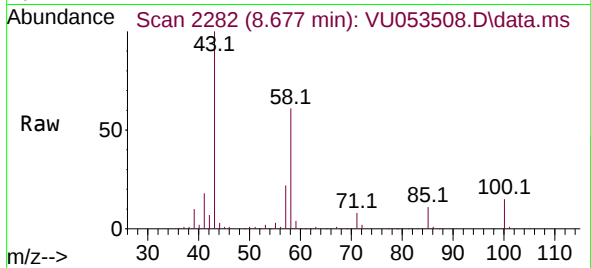




#48
2-Hexanone
Concen: 104.815 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

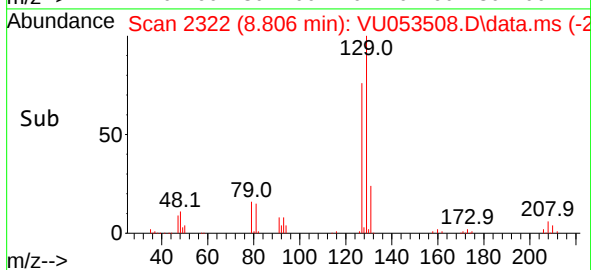
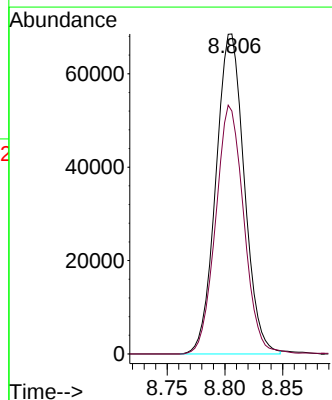
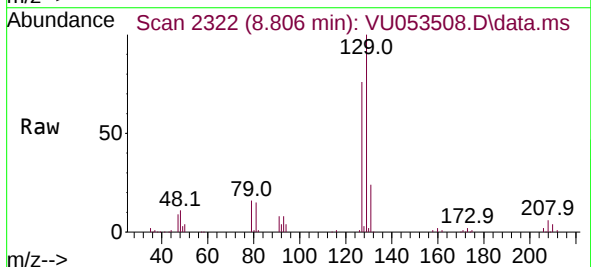
Instrument :
MSVOA_W
ClientSampleId :

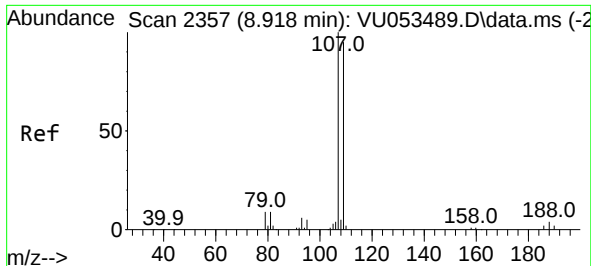
Tgt Ion:	43	Resp:	192074
Ion	Ratio	Lower	Upper
43	100		
58	61.5	49.8	74.6
57	22.0	17.8	26.6
100	14.7	12.0	18.0



#49
Dibromochloromethane
Concen: 49.270 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:	129	Resp:	117258
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.5	99.3





#50

1,2-Dibromoethane

Concen: 51.672 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

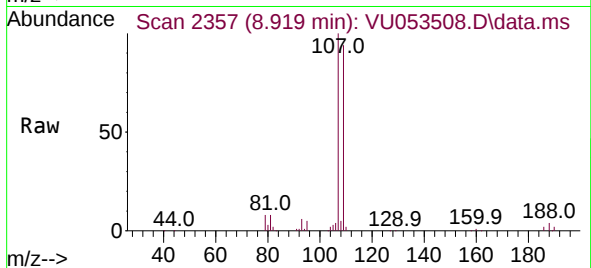
Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

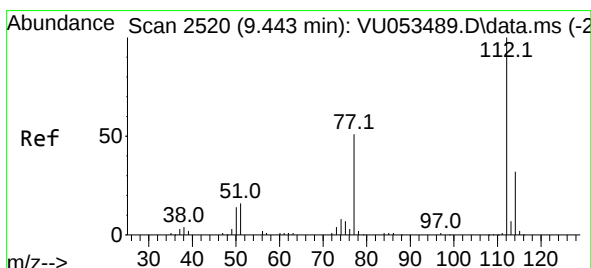
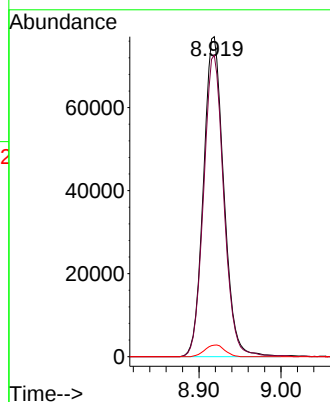
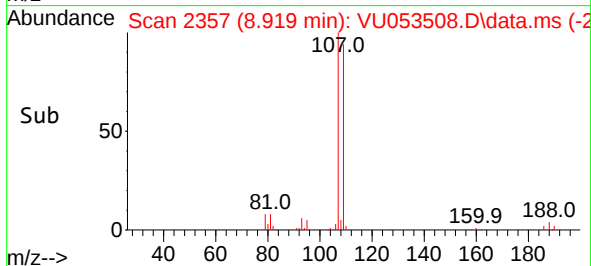
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	107	Resp:	132316
Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.3	123.1
188	3.6	3.0	4.4



#51

Chlorobenzene

Concen: 49.987 ug/L

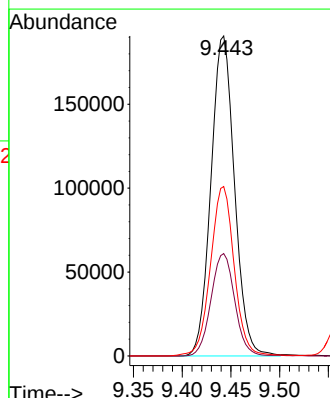
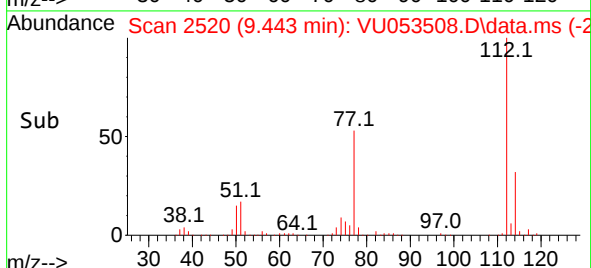
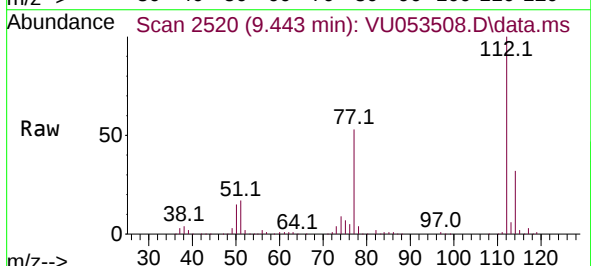
RT: 9.443 min Scan# 2520

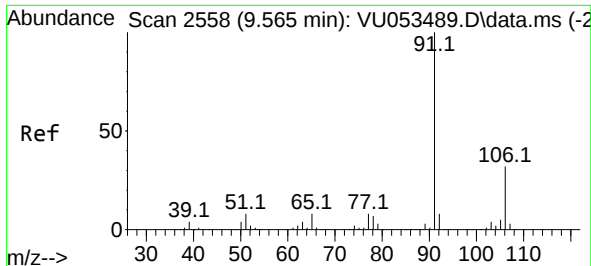
Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Tgt Ion:	112	Resp:	320438
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	53.0	41.3	61.9

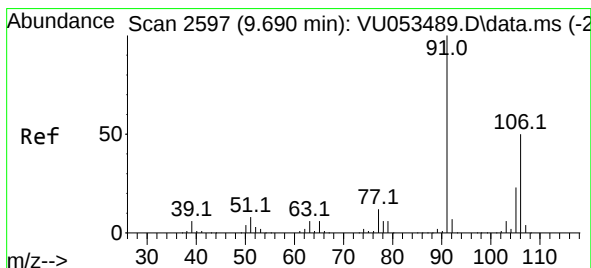
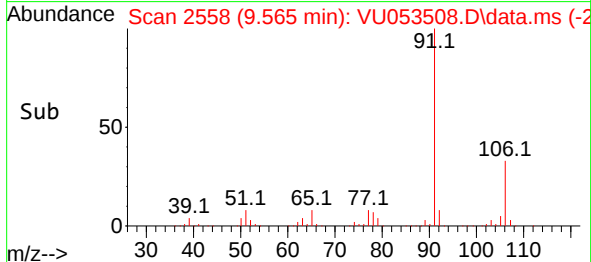
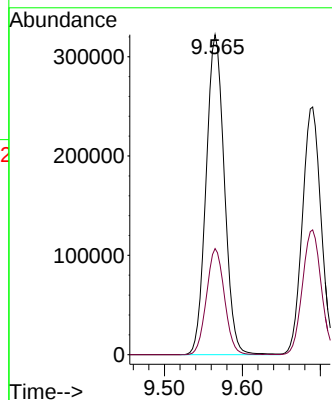
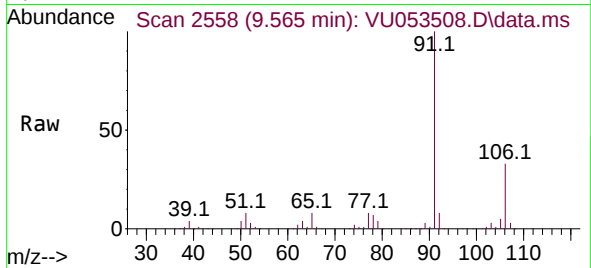




#52
Ethylbenzene
Concen: 50.584 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

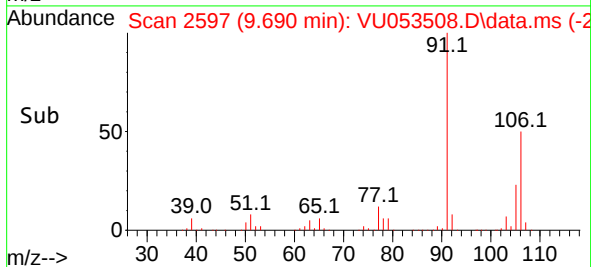
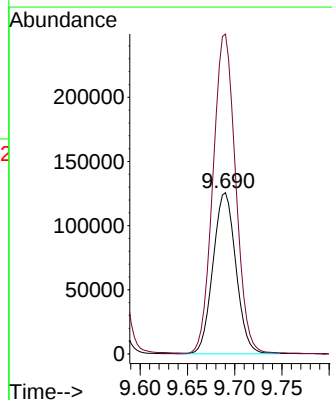
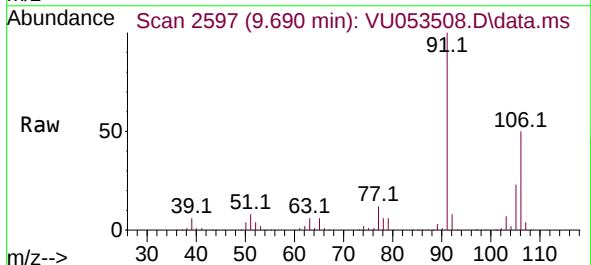
Instrument :
MSVOA_W
ClientSampleId :

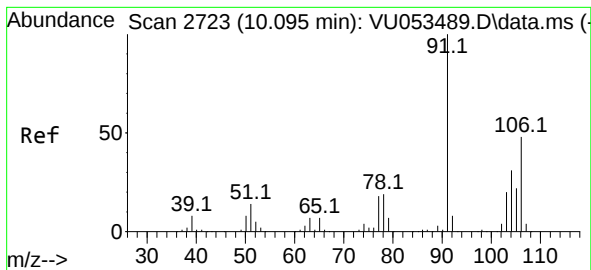
Tgt Ion: 91 Resp: 523904
Ion Ratio Lower Upper
91 100
106 33.2 22.4 41.6



#53
m,p-Xylene
Concen: 52.159 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:106 Resp: 211280
Ion Ratio Lower Upper
106 100
91 198.5 140.0 260.0





#54

o-xylene

Concen: 51.245 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

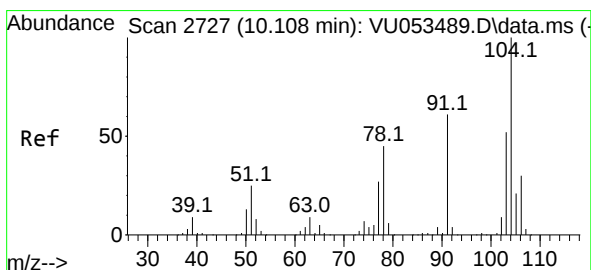
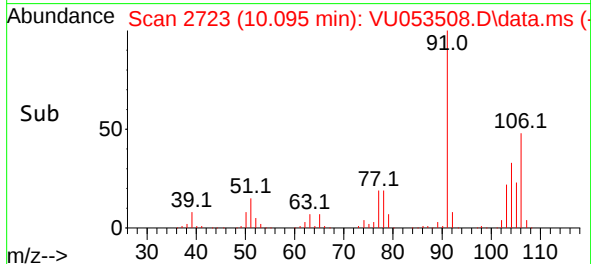
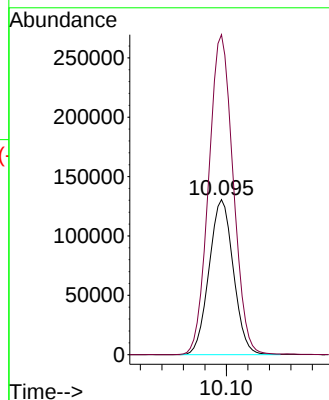
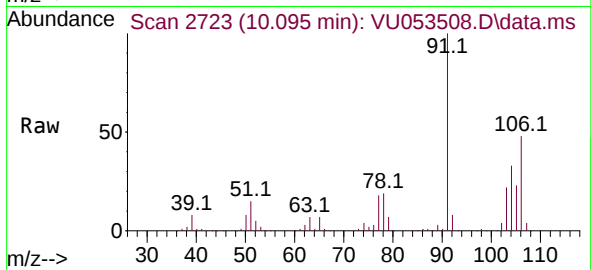
ClientSampleId :

Tgt Ion:106 Resp: 205233

Ion Ratio Lower Upper

106 100

91 206.3 144.9 269.1



#55

Styrene

Concen: 52.053 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053508.D

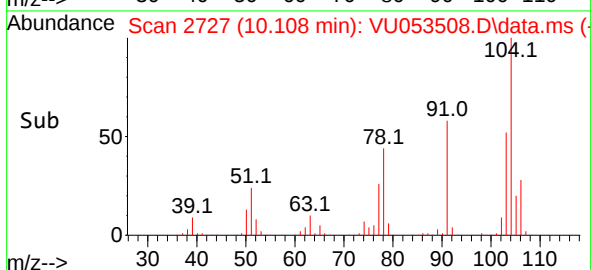
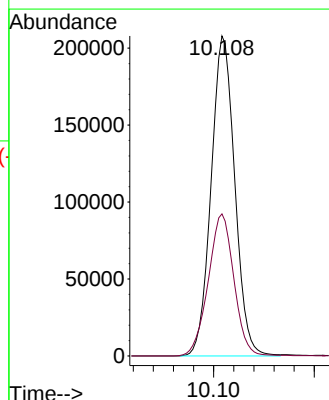
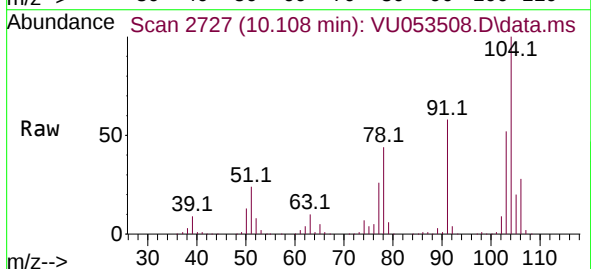
Acq: 31 Mar 2023 21:40

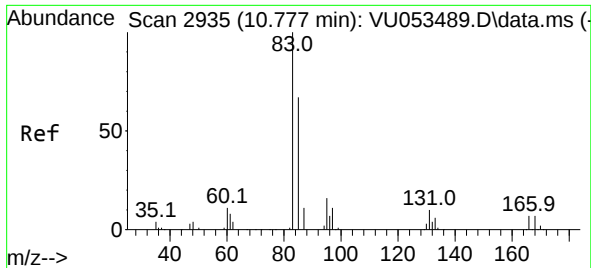
Tgt Ion:104 Resp: 339555

Ion Ratio Lower Upper

104 100

78 44.4 31.3 58.1

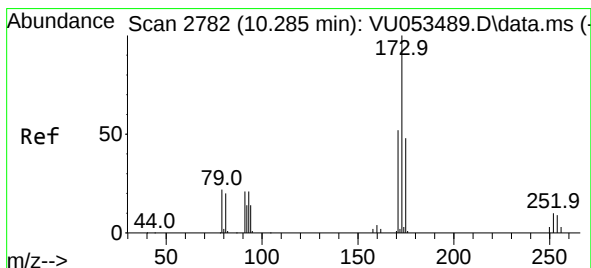
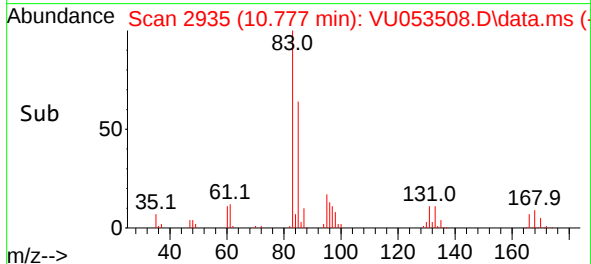
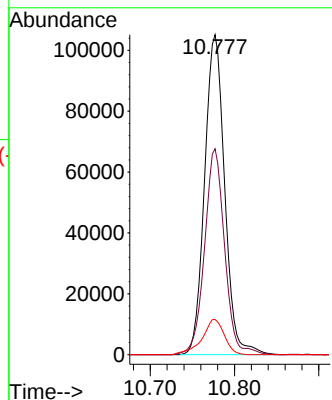
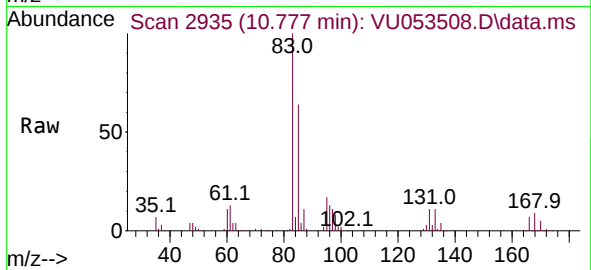




#57
1,1,2,2-Tetrachloroethane
Concen: 51.932 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

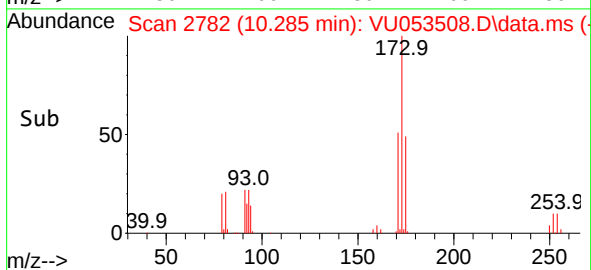
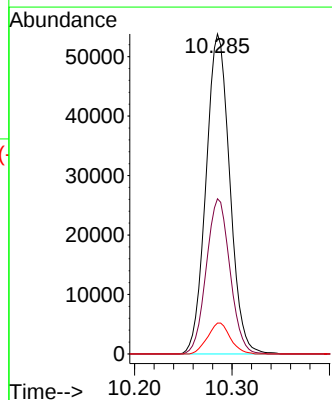
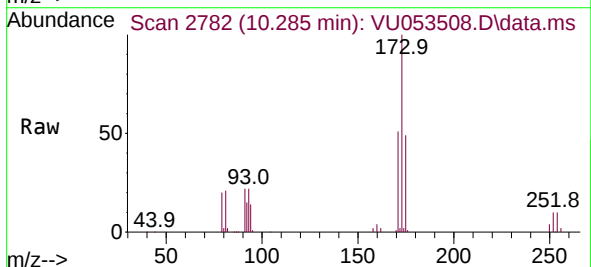
Instrument :
MSVOA_W
ClientSampleId :

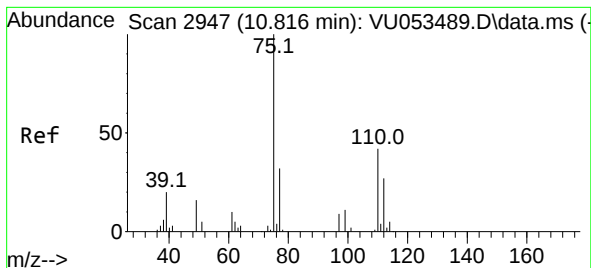
Tgt Ion: 83 Resp: 174518
Ion Ratio Lower Upper
83 100
85 64.4 47.0 87.4
131 11.0 8.7 13.1



#59
Bromoform
Concen: 47.849 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053508.D
Acq: 31 Mar 2023 21:40

Tgt Ion:173 Resp: 91171
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.6
254 9.2 7.0 10.4





#60

1,2,3-Trichloropropane

Concen: 50.637 ug/L

RT: 10.816 min Scan# 2947

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

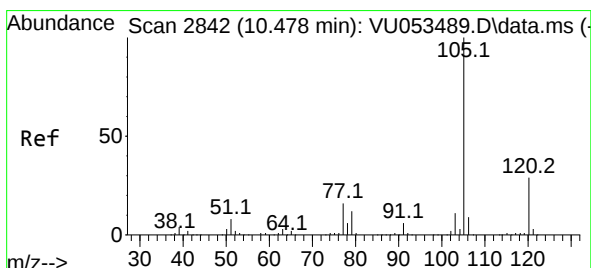
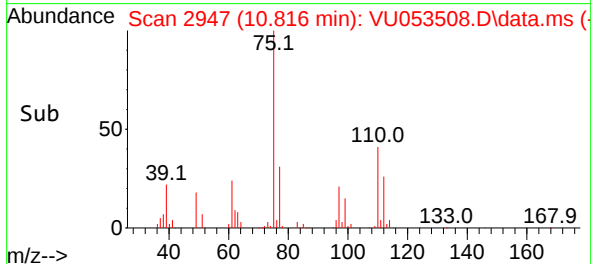
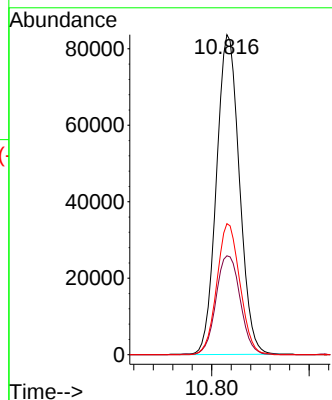
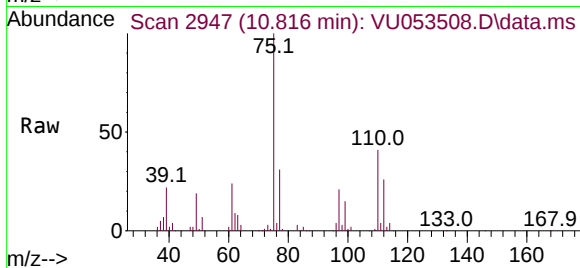
Tgt Ion: 75 Resp: 136677

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

110 41.2 32.6 48.8



#61

Isopropylbenzene

Concen: 49.460 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

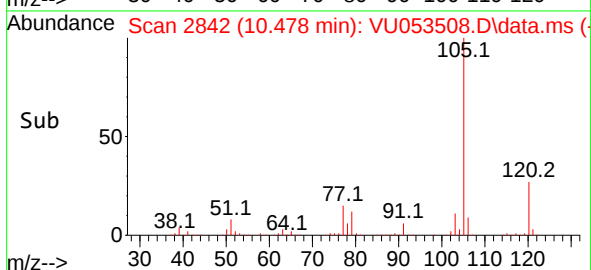
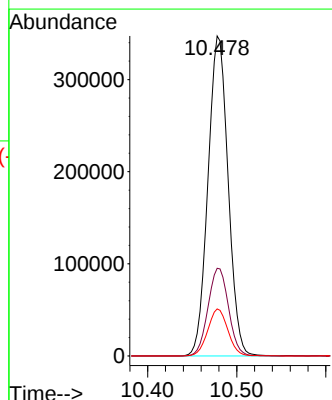
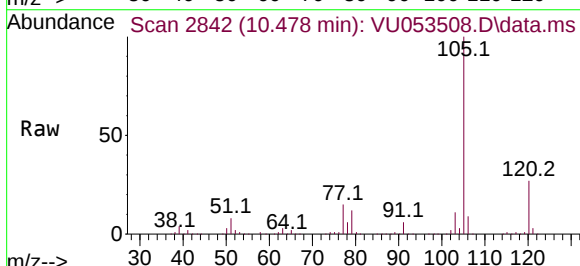
Tgt Ion: 105 Resp: 544358

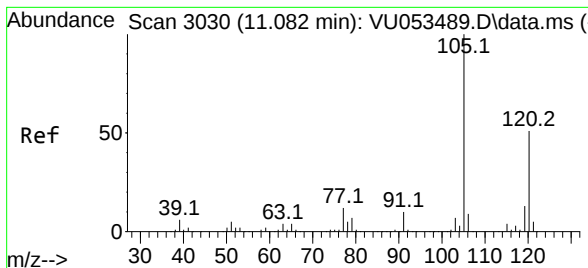
Ion Ratio Lower Upper

105 100

120 28.0 22.4 33.6

77 14.7 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 50.291 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

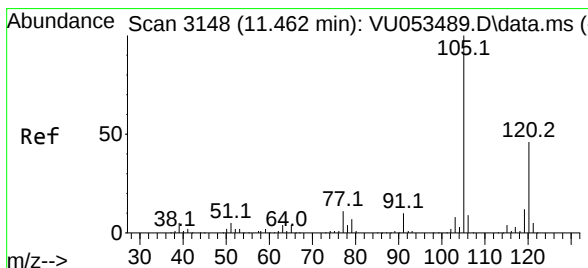
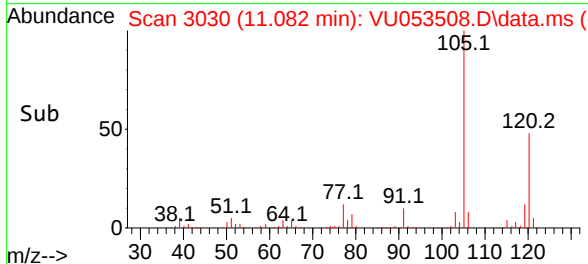
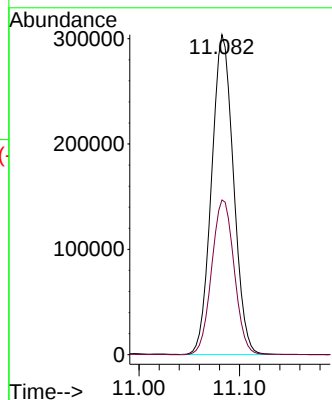
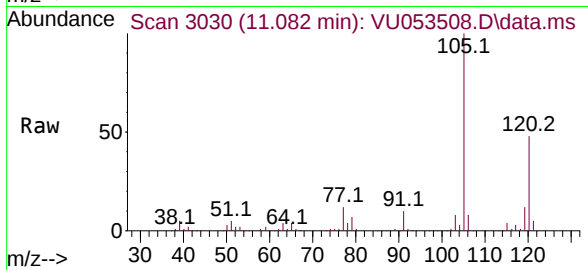
ClientSampleId :

Tgt Ion:105 Resp: 460114

Ion Ratio Lower Upper

105 100

120 49.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 50.336 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053508.D

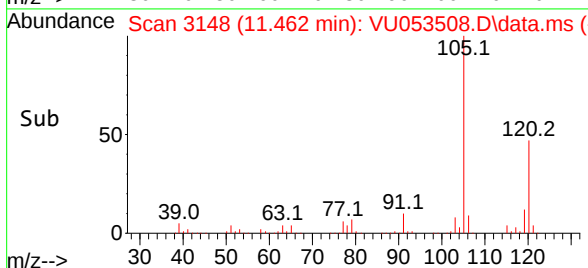
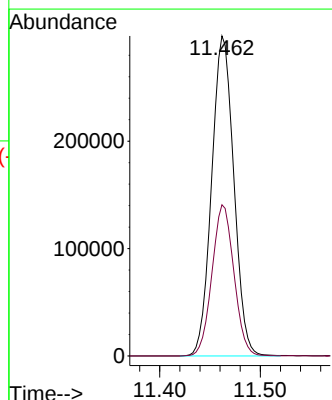
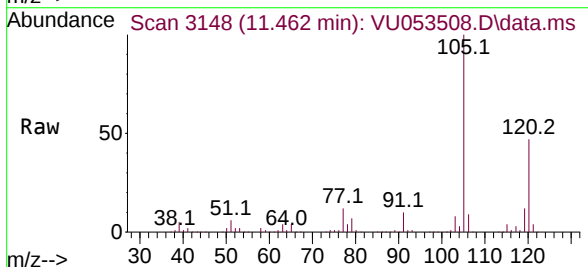
Acq: 31 Mar 2023 21:40

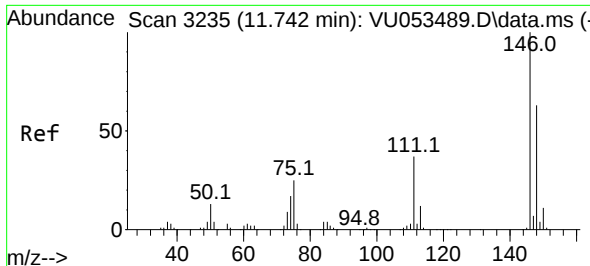
Tgt Ion:105 Resp: 456126

Ion Ratio Lower Upper

105 100

120 46.8 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 48.430 ug/L

RT: 11.742 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

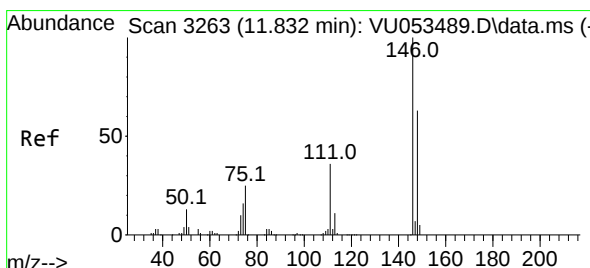
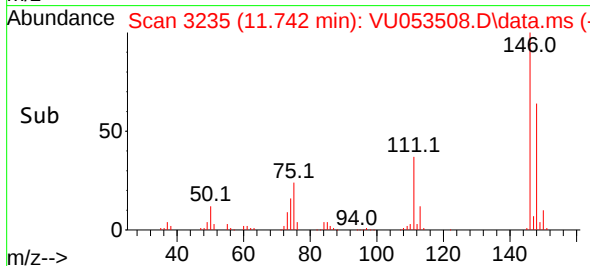
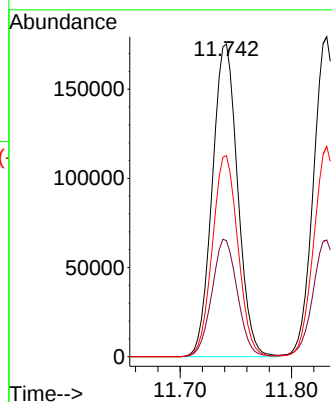
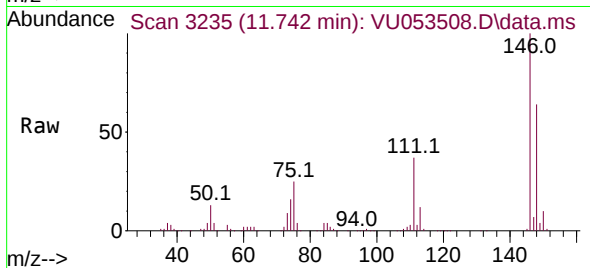
Tgt Ion:146 Resp: 278513

Ion Ratio Lower Upper

146 100

111 37.1 25.7 47.7

148 64.3 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 47.304 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

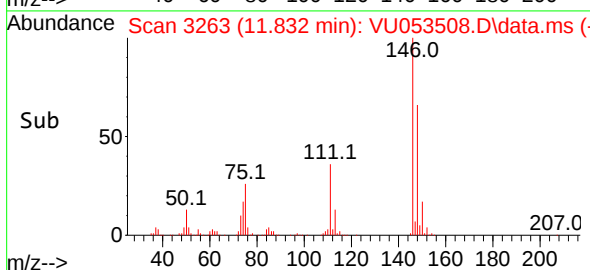
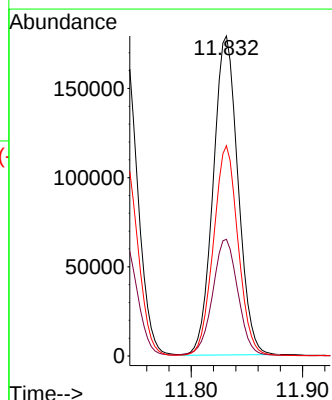
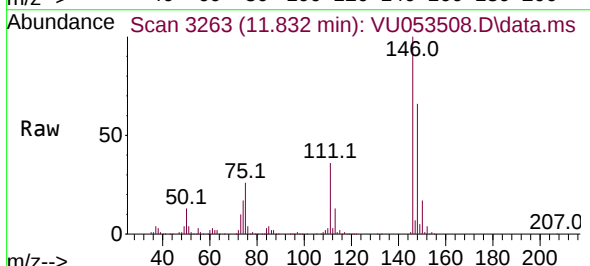
Tgt Ion:146 Resp: 277258

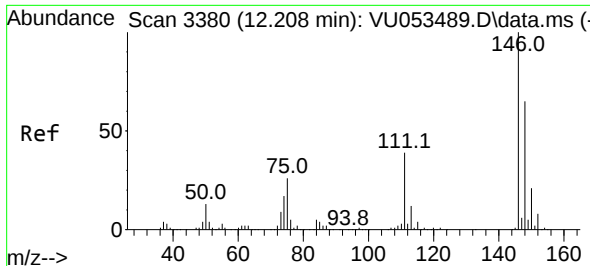
Ion Ratio Lower Upper

146 100

111 36.4 25.1 46.5

148 65.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.170 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

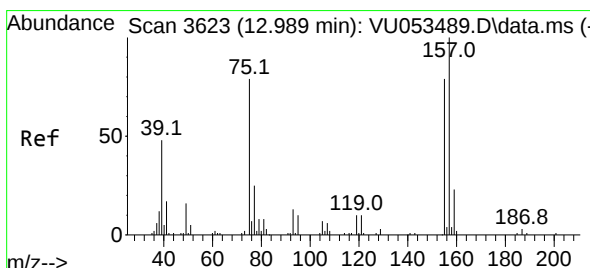
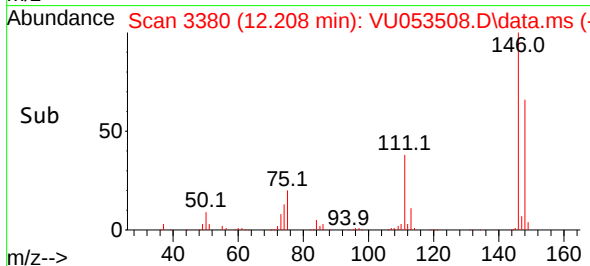
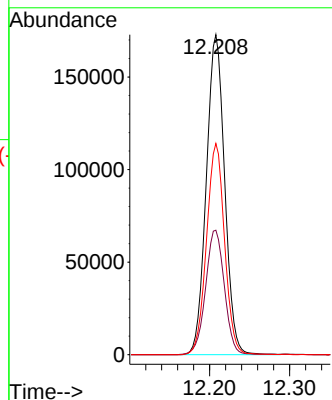
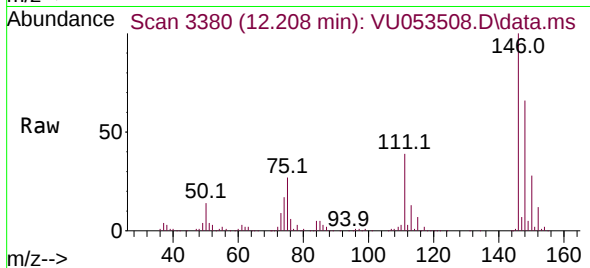
Tgt Ion:146 Resp: 276091

Ion Ratio Lower Upper

146 100

111 38.9 31.5 47.3

148 66.0 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 50.873 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

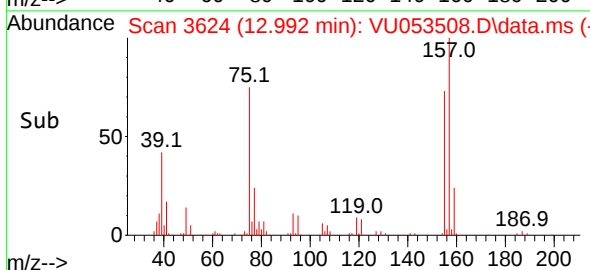
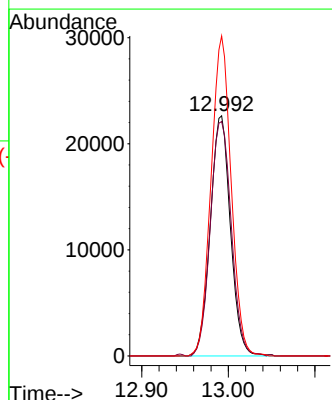
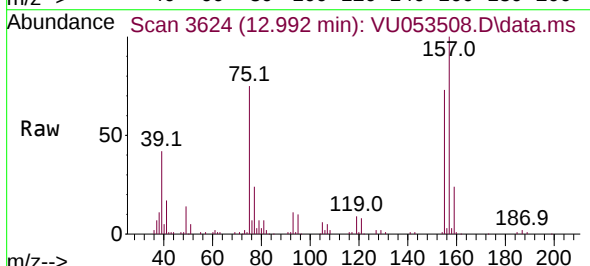
Tgt Ion: 75 Resp: 36606

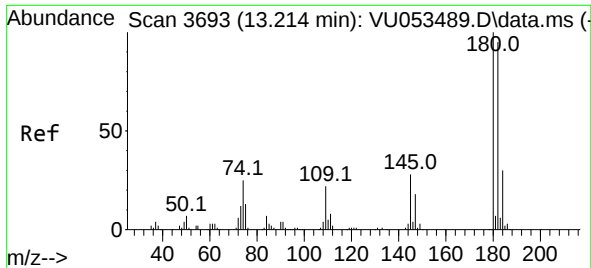
Ion Ratio Lower Upper

75 100

155 97.6 79.9 119.9

157 133.3 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 47.572 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 202594

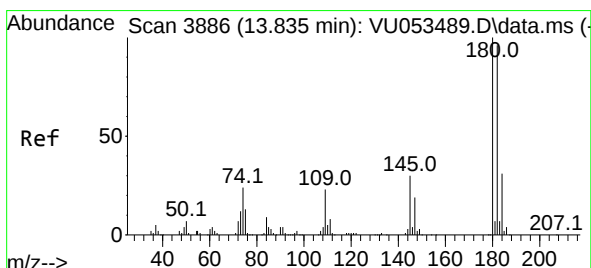
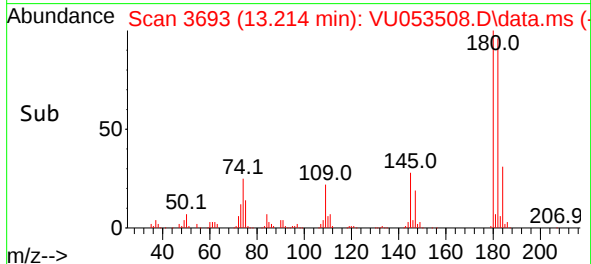
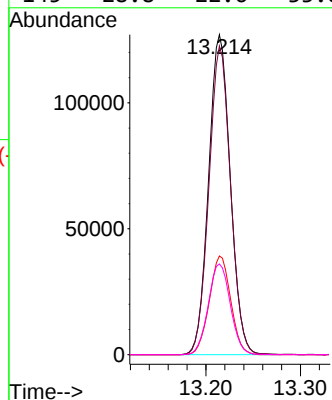
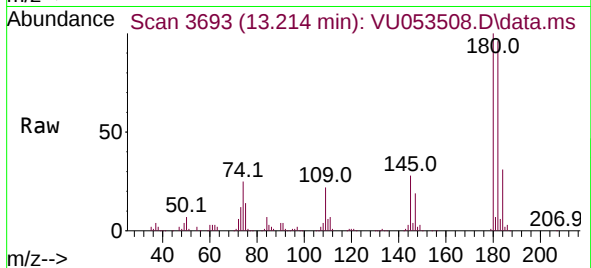
Ion Ratio Lower Upper

180 100

182 96.0 75.6 113.4

184 30.4 24.2 36.2

145 28.8 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 47.928 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

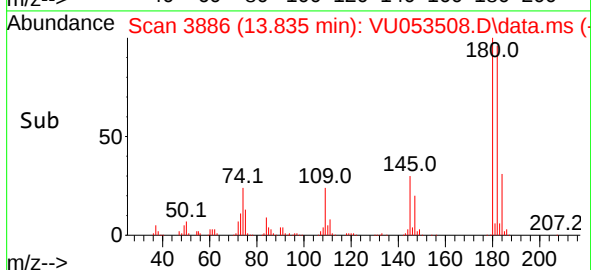
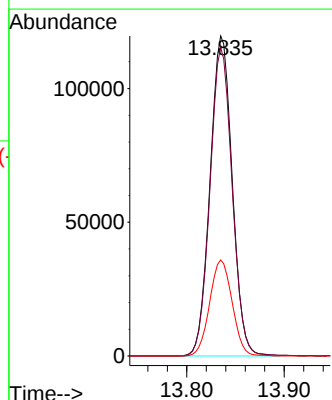
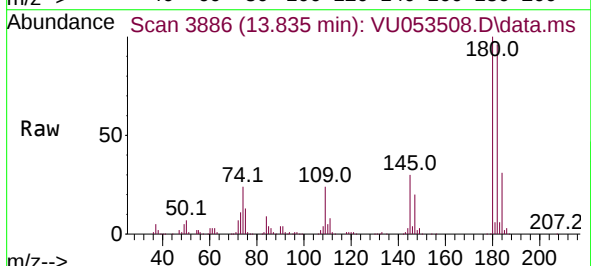
Tgt Ion:180 Resp: 189237

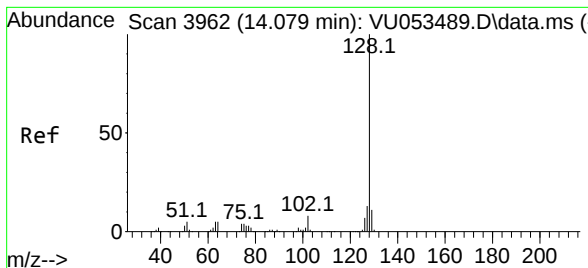
Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.8

145 30.4 23.4 35.2





#71

Naphthalene

Concen: 50.493 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Instrument :

MSVOA_W

ClientSampleId :

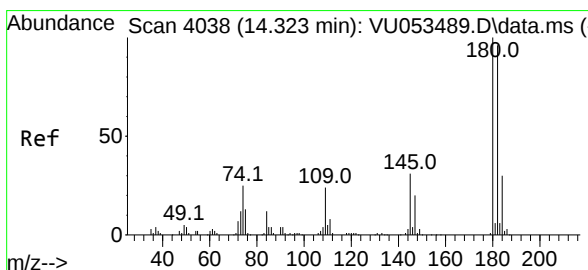
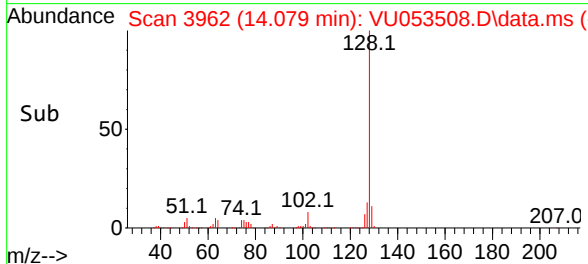
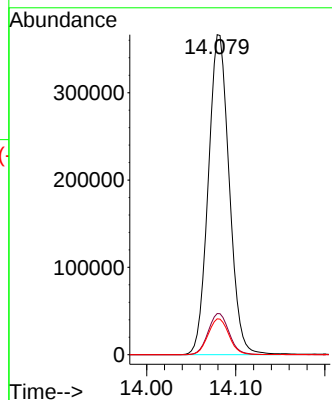
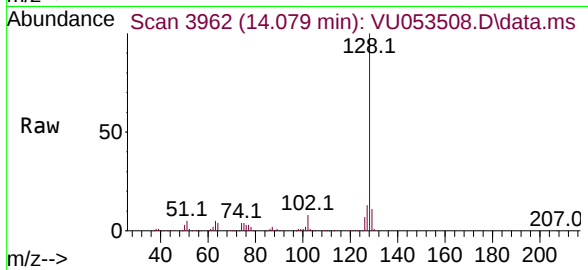
Tgt Ion:128 Resp: 596734

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.2 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 48.276 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053508.D

Acq: 31 Mar 2023 21:40

Tgt Ion:180 Resp: 190387

Ion Ratio Lower Upper

180 100

182 96.6 77.0 115.6

145 31.3 25.4 38.0

