

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053488.D
 Acq On : 31 Mar 2023 12:54
 Operator : JC/MD
 Sample : VSTD01012
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:38:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:36:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	292633	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	271975	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	146825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	20622	7.839	ug/L	0.00
7) Chloroethane-d5	1.912	69	16319	7.735	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	32105	7.926	ug/L	0.00
21) 2-Butanone-d5	4.620	46	18832	17.914	ug/L	0.00
24) Chloroform-d	5.060	84	35280	8.135	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	20599	7.902	ug/L	0.00
32) Benzene-d6	5.723	84	68202	7.874	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	20354	7.628	ug/L	0.00
41) Toluene-d8	7.893	98	67182	7.916	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	10396	7.225	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	13325	16.054	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	29177	7.871	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	28584	8.913	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	23264	10.003	ug/L	99
3) Chloromethane	1.520	50	19539	9.255	ug/L	92
5) Vinyl chloride	1.604	62	22433	8.745	ug/L	99
6) Bromomethane	1.855	94	16156	9.050	ug/L	100
8) Chloroethane	1.932	64	13842	8.880	ug/L	99
9) Trichlorofluoromethane	2.138	101	34091	8.684	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	20035	9.846	ug/L	100
12) 1,1-Dichloroethene	2.578	96	17288	9.071	ug/L	93
13) Acetone	2.620	43	19410	20.293	ug/L	99
14) Carbon disulfide	2.790	76	44237	7.962	ug/L	98
15) Methyl Acetate	2.945	43	14572	10.248	ug/L	97
16) Methylene chloride	3.041	84	20513	9.003	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	17818	8.808	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	51428	8.287	ug/L	100
19) 1,1-Dichloroethane	3.864	63	29717	8.638	ug/L	95
20) cis-1,2-Dichloroethene	4.665	96	20509	8.980	ug/L	98
22) 2-Butanone	4.835	43	113	0.100	ug/L	99
23) Bromochloromethane	4.973	128	11364	9.105	ug/L	93
25) Chloroform	5.083	83	33119	8.560	ug/L	95
27) 1,2-Dichloroethane	5.790	62	25313	9.166	ug/L	97
29) Cyclohexane	5.385	56	25513	8.209	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	29354	8.590	ug/L	99
31) Carbon tetrachloride	5.520	117	26570	8.859	ug/L	97
33) Benzene	5.768	78	72724	8.958	ug/L	100
34) Trichloroethene	6.539	95	21843	9.704	ug/L	98
35) Methylcyclohexane	6.758	83	31111	8.349	ug/L	99
37) 1,2-Dichloropropane	6.787	63	18002	8.718	ug/L	# 93
38) Bromodichloromethane	7.102	83	23671	8.071	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	27375	7.790	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	40024	19.551	ug/L	95
42) Toluene	7.967	91	80415	8.738	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	26772	7.891	ug/L	99

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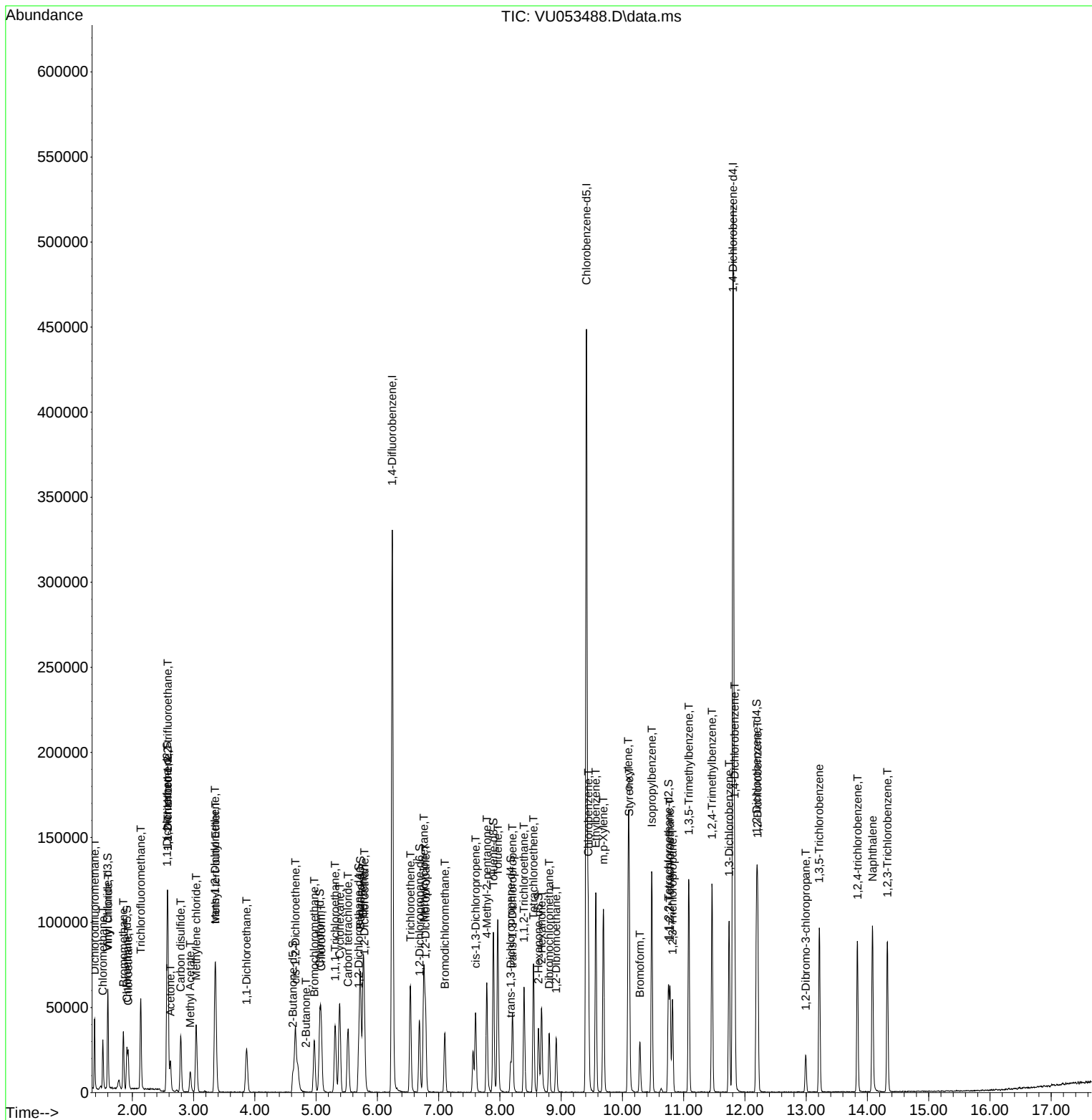
Instrument :
 MSVOA_W
 ClientSampleId :

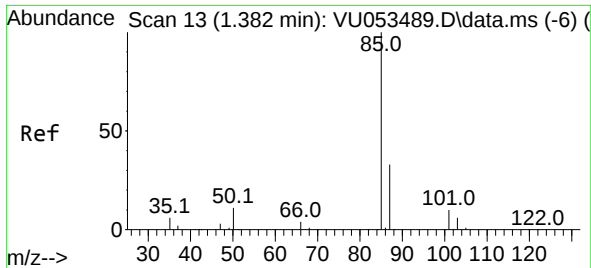
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 QLast Update : Sat Apr 01 04:36:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	19490	9.043	ug/L	96
46) Tetrachloroethene	8.549	164	17970	9.997	ug/L	93
48) 2-Hexanone	8.681	43	30259	18.587	ug/L	96
49) Dibromochloromethane	8.806	129	19033	7.510	ug/L	96
50) 1,2-Dibromoethane	8.919	107	21916	9.295	ug/L #	93
51) Chlorobenzene	9.443	112	54983	9.200	ug/L	97
52) Ethylbenzene	9.565	91	87806	8.657	ug/L	99
53) m,p-Xylene	9.690	106	33501	8.384	ug/L	98
54) o-xylene	10.095	106	33733	8.513	ug/L	97
55) Styrene	10.112	104	52432	7.900	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	28979	8.754	ug/L	93
59) Bromoform	10.285	173	14218	7.697	ug/L	95
60) 1,2,3-Trichloropropane	10.819	75	21897	9.219	ug/L	97
61) Isopropylbenzene	10.478	105	85835	8.678	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	70008	8.104	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	69085	8.204	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	45588	10.019	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	46910	10.242	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	45569	9.938	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5481	7.768	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	32883	9.422	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	29587	9.416	ug/L	98
71) Naphthalene	14.082	128	86747	9.228	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	30324	9.823	ug/L	97

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

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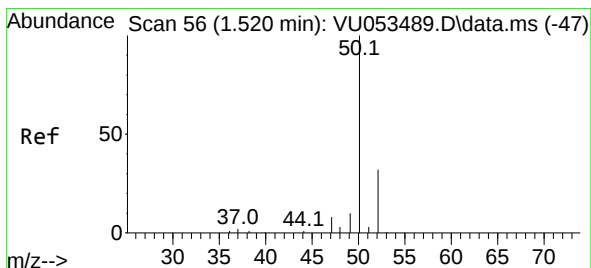
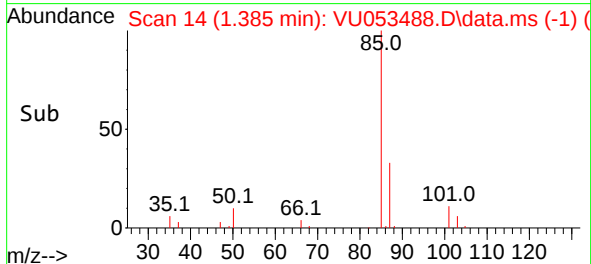
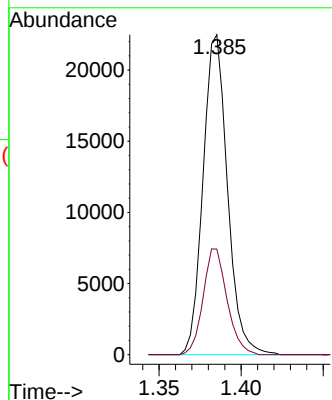
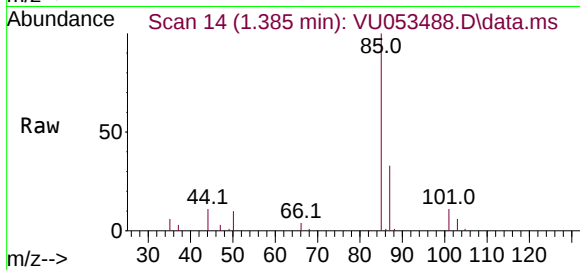




#2
Dichlorodifluoromethane
Concen: 10.003 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

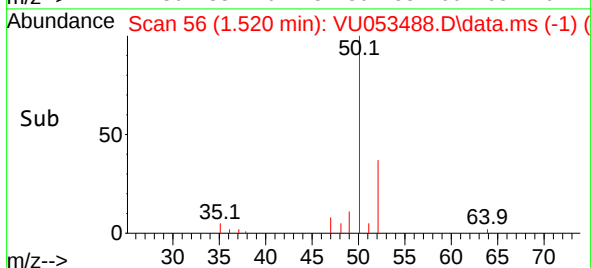
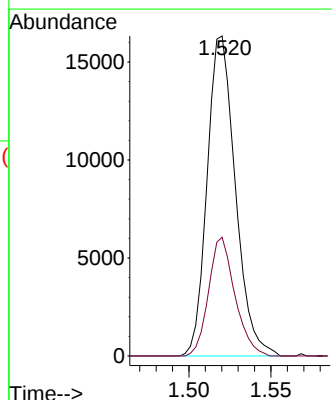
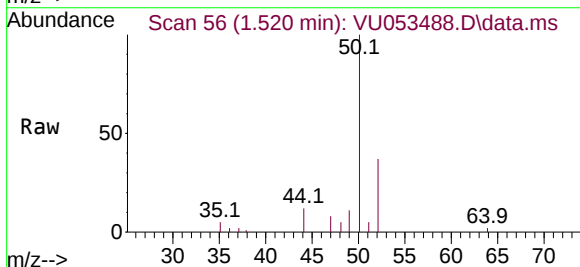
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ClientSampleId :

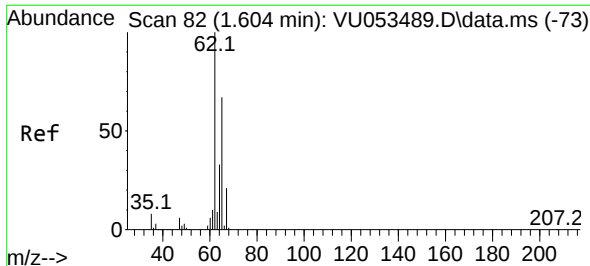
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Ion Ratio Lower Upper
85 100
87 32.5 26.4 39.6



#3
Chloromethane
Concen: 9.255 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion: 50 Resp: 19539
Ion Ratio Lower Upper
50 100
52 37.1 22.7 42.1

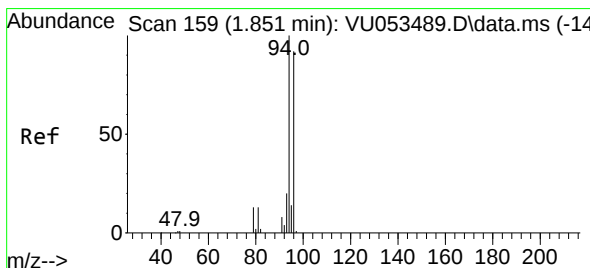
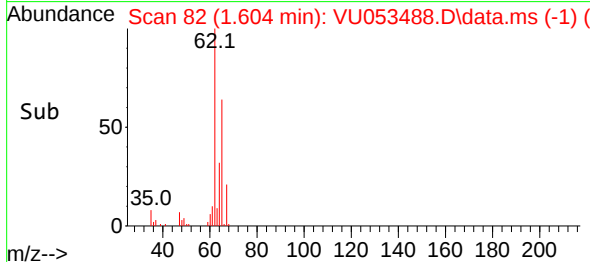
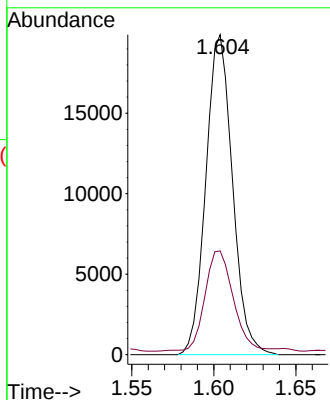
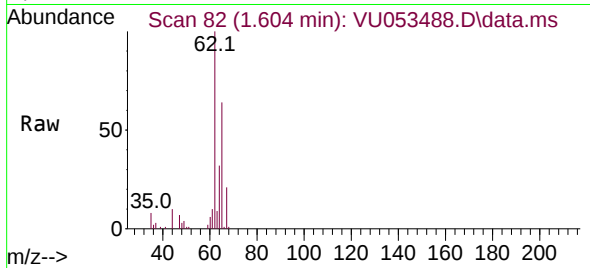




#5
 Vinyl chloride
 Concen: 8.745 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54

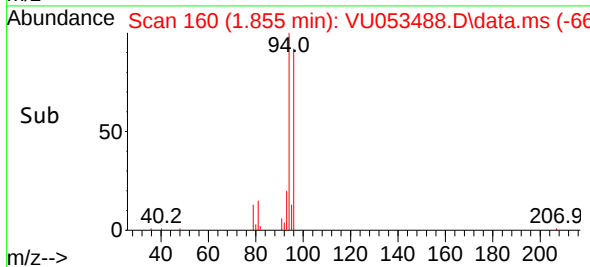
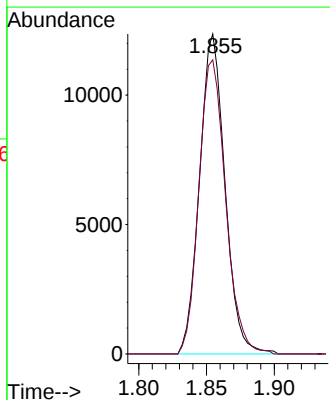
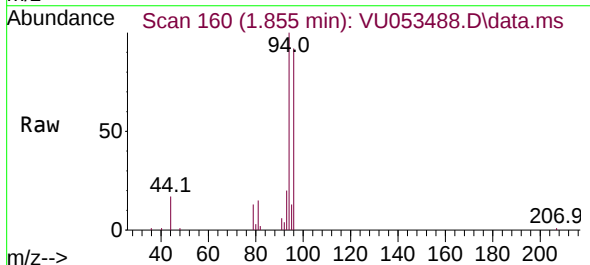
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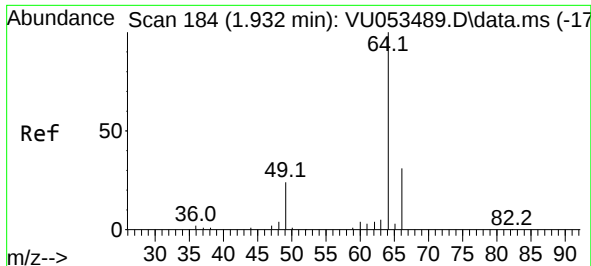
Tgt Ion: 62 Resp: 22433
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.0



#6
 Bromomethane
 Concen: 9.050 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54

Tgt Ion: 94 Resp: 16156
 Ion Ratio Lower Upper
 94 100
 96 91.9 64.4 119.6

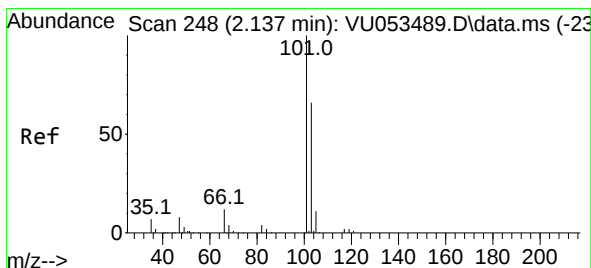
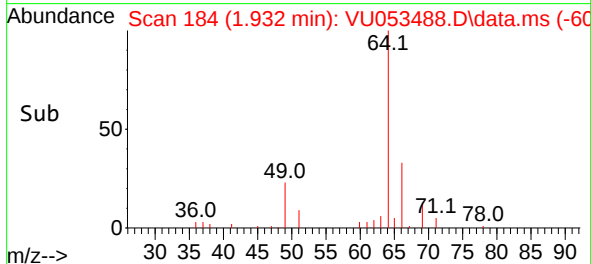
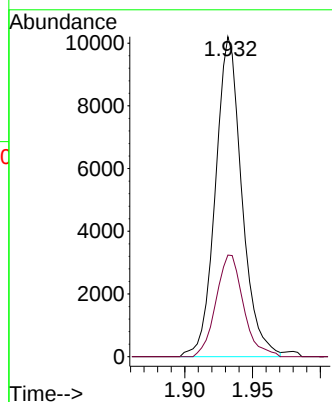
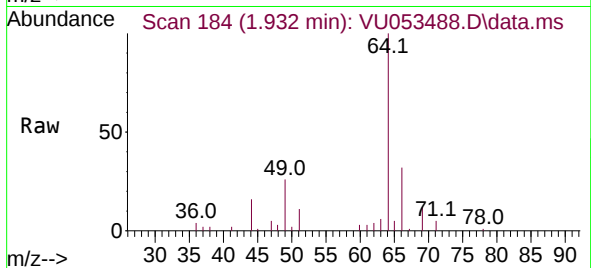




#8
Chloroethane
Concen: 8.880 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

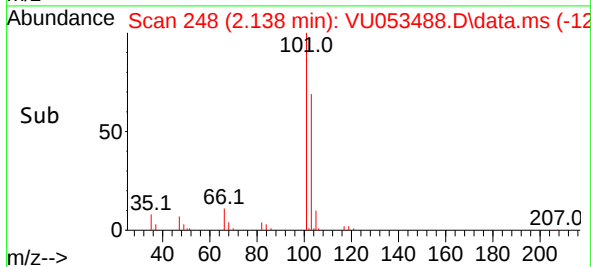
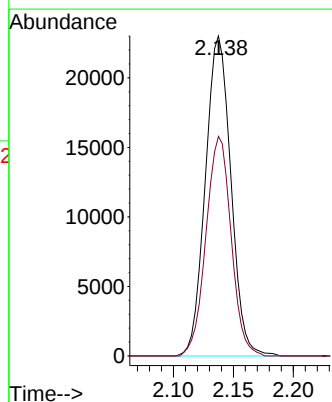
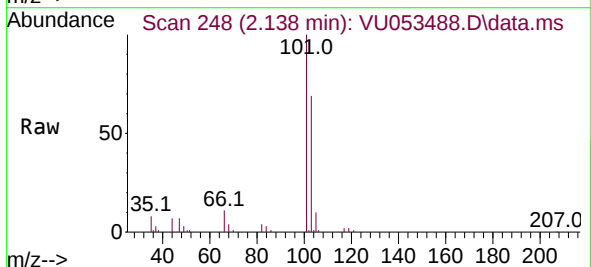
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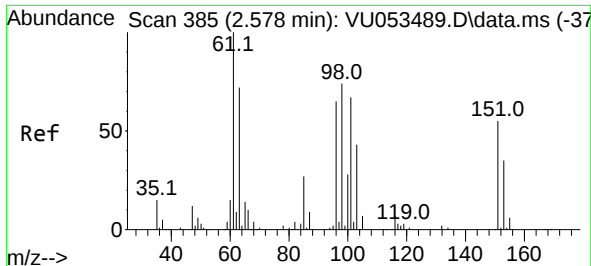
Tgt Ion: 64 Resp: 13842
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 8.684 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion:101 Resp: 34091
Ion Ratio Lower Upper
101 100
103 67.6 52.5 78.7





#10

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

Concen: 9.846 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

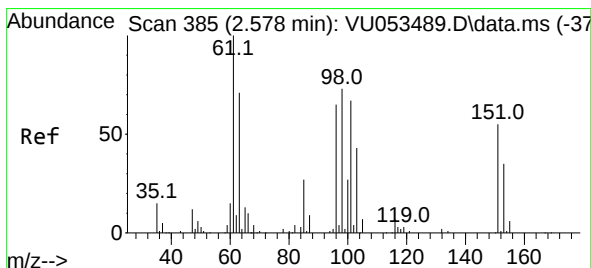
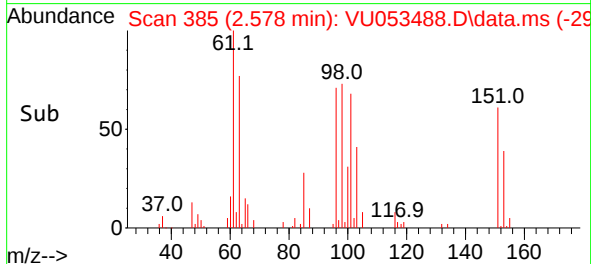
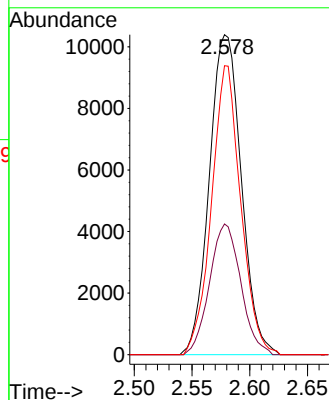
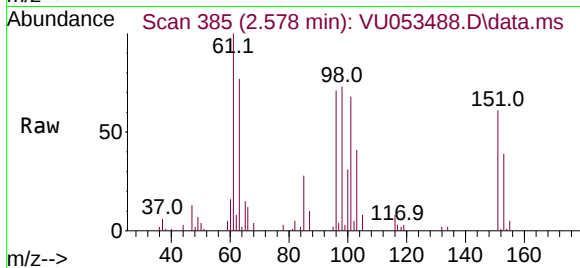
Tgt Ion:101 Resp: 20035

Ion Ratio Lower Upper

101 100

85 39.8 32.6 48.8

151 82.2 65.8 98.6



#12

1,1-Dichloroethene

Concen: 9.071 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

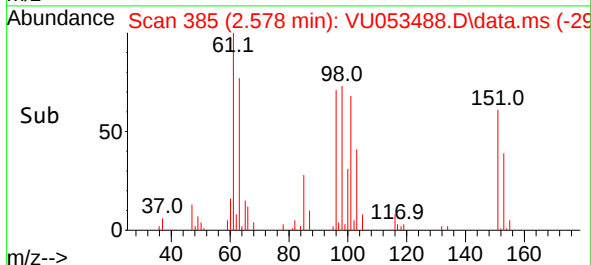
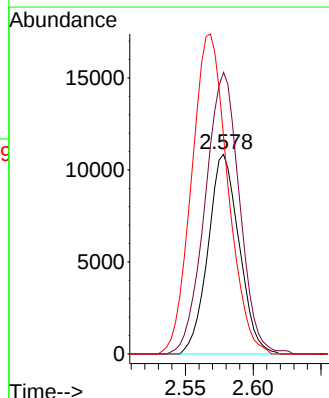
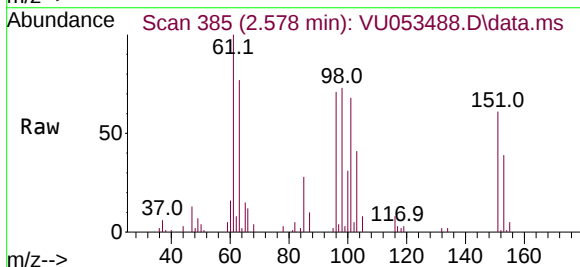
Tgt Ion: 96 Resp: 17288

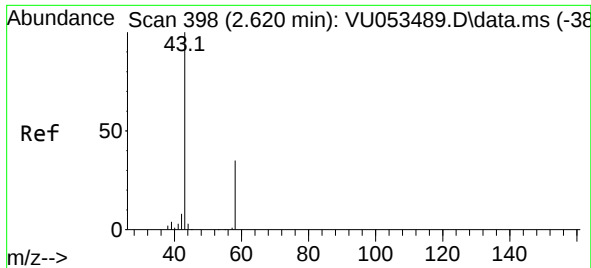
Ion Ratio Lower Upper

96 100

61 141.1 107.9 200.5

63 108.9 79.1 146.9





#13

Acetone

Concen: 20.293 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

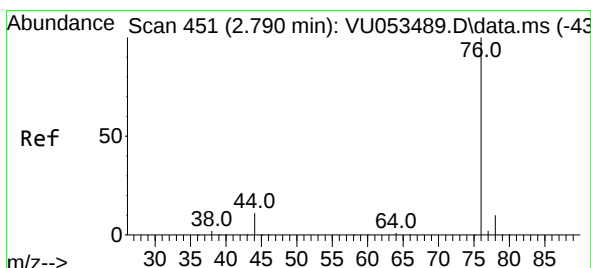
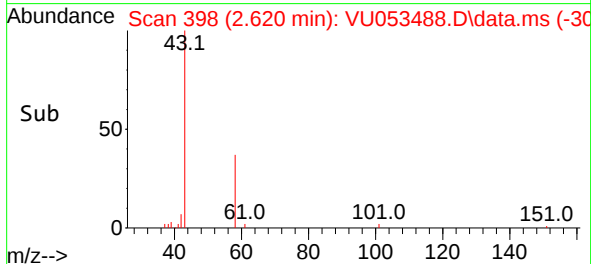
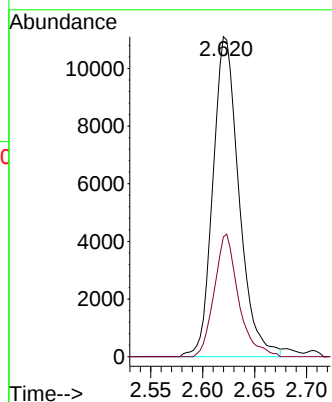
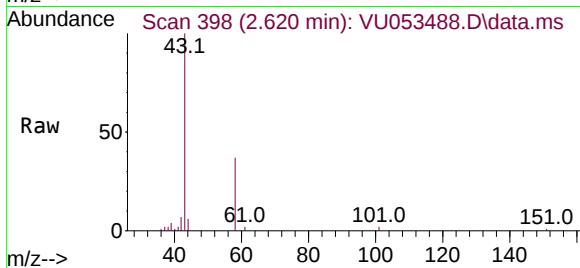
ClientSampleId :

Tgt Ion: 43 Resp: 19410

Ion Ratio Lower Upper

43 100

58 35.6 0.0 70.2



#14

Carbon disulfide

Concen: 7.962 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053488.D

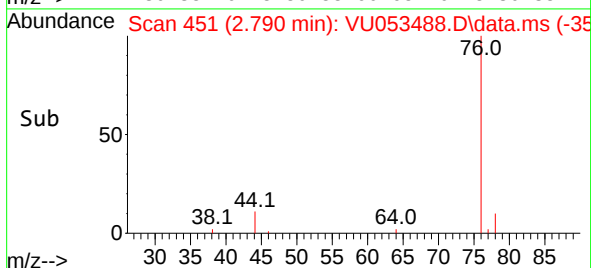
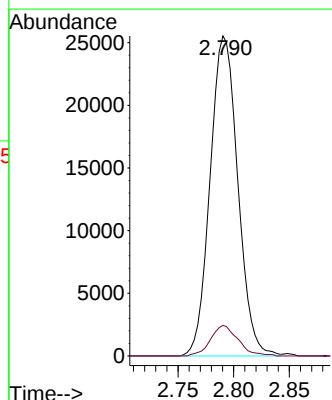
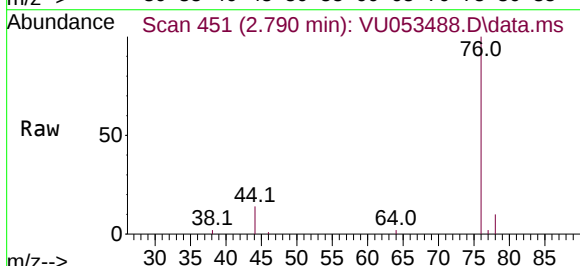
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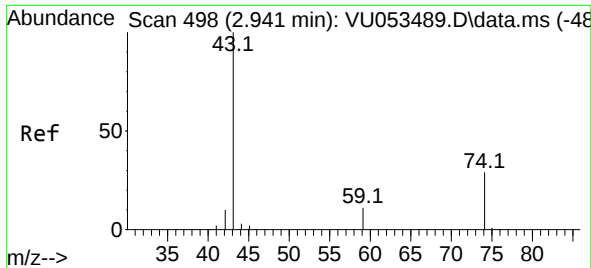
Tgt Ion: 76 Resp: 44237

Ion Ratio Lower Upper

76 100

78 9.6 8.2 12.2

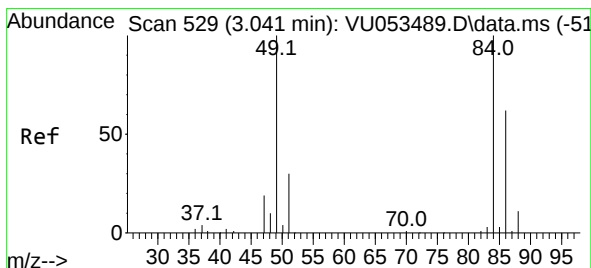
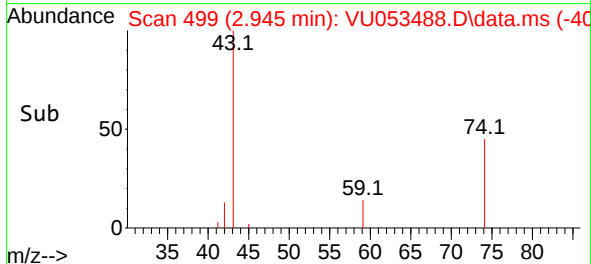
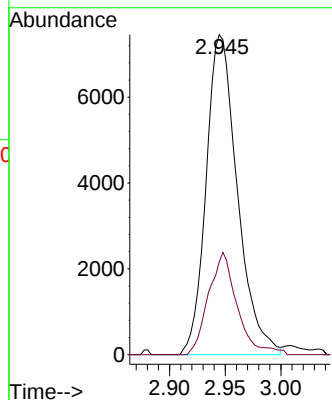
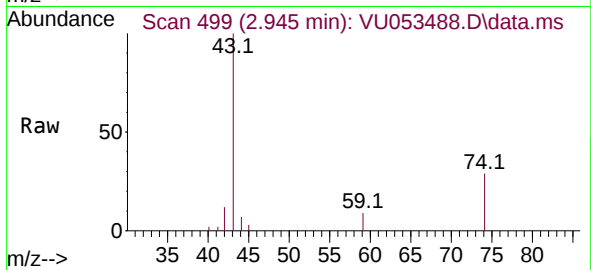




#15
Methyl Acetate
Concen: 10.248 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

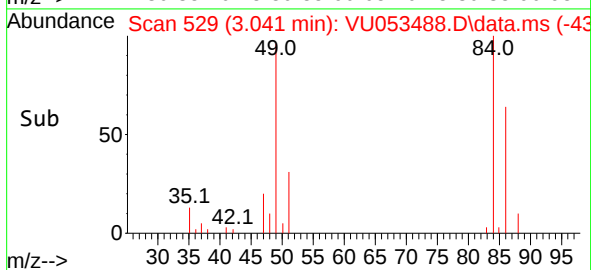
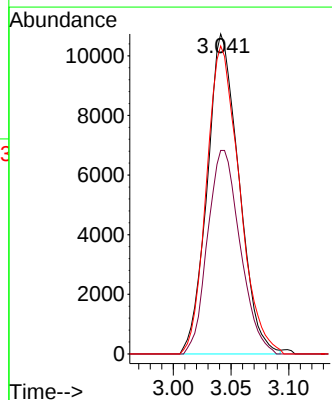
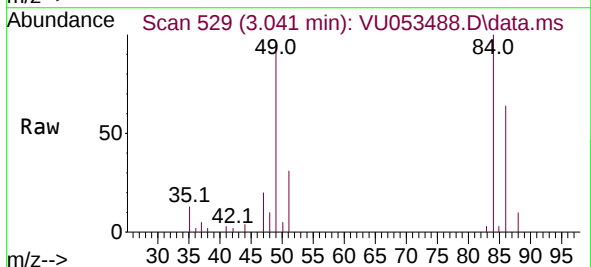
Instrument :
MSVOA_W
ClientSampleId :

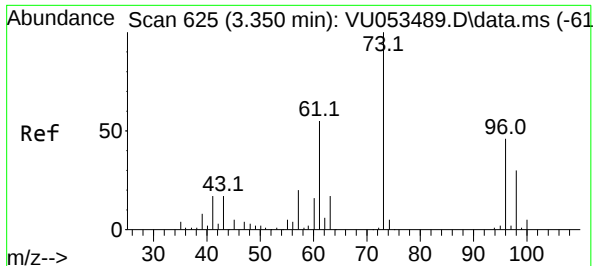
Tgt Ion: 43 Resp: 14572
Ion Ratio Lower Upper
43 100
74 29.2 22.0 33.0



#16
Methylene chloride
Concen: 9.003 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion: 84 Resp: 20513
Ion Ratio Lower Upper
84 100
86 63.6 43.5 80.9
49 96.2 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 8.808 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

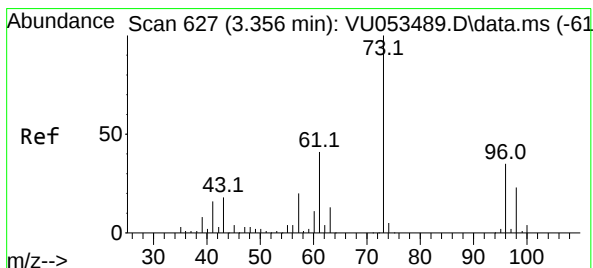
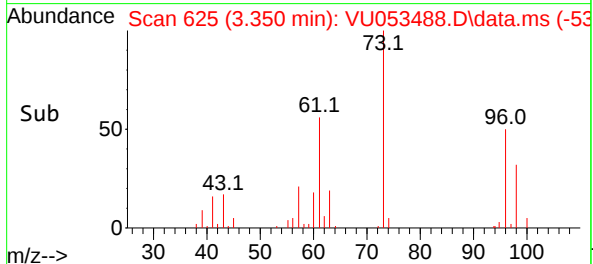
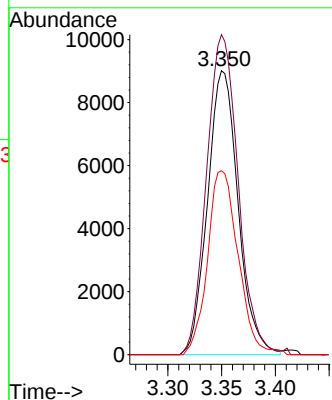
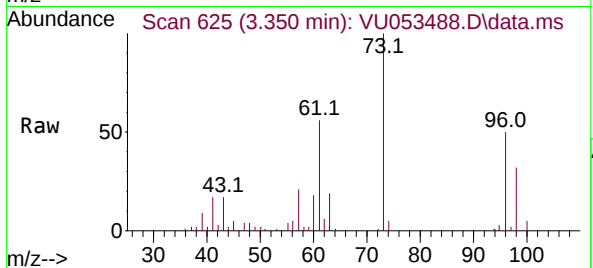
Tgt Ion: 96 Resp: 17818

Ion Ratio Lower Upper

96 100

61 112.7 84.4 156.8

98 64.7 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 8.287 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

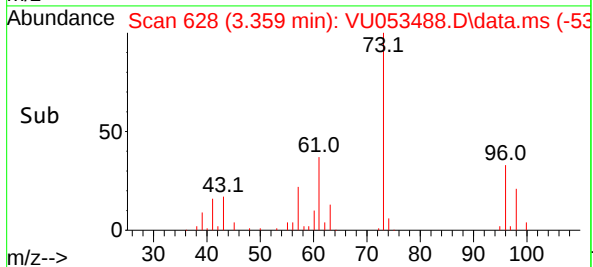
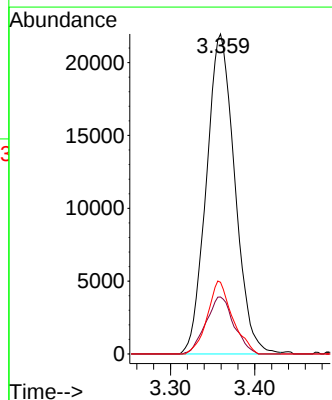
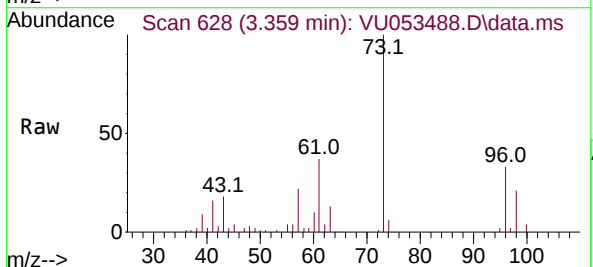
Tgt Ion: 73 Resp: 51428

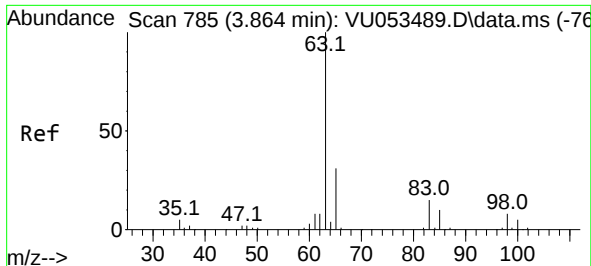
Ion Ratio Lower Upper

73 100

43 17.5 13.8 20.8

57 20.1 15.9 23.9





#19

1,1-Dichloroethane

Concen: 8.638 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

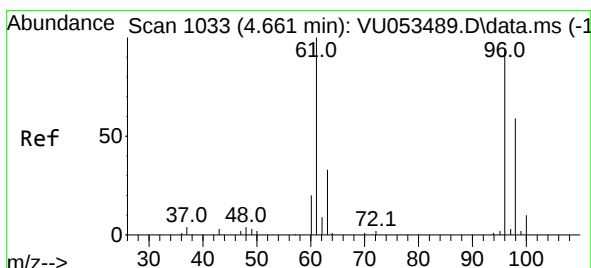
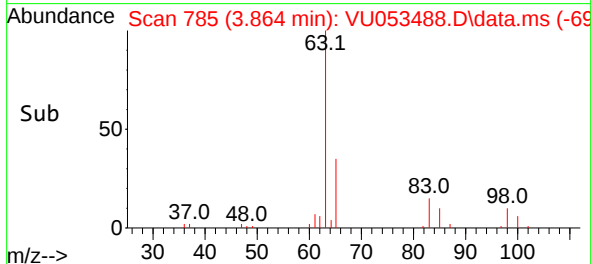
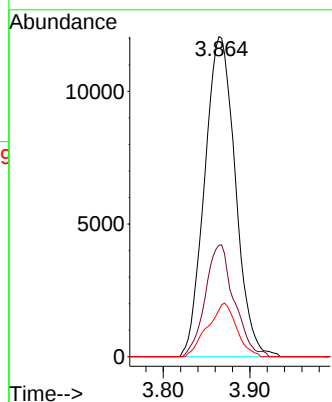
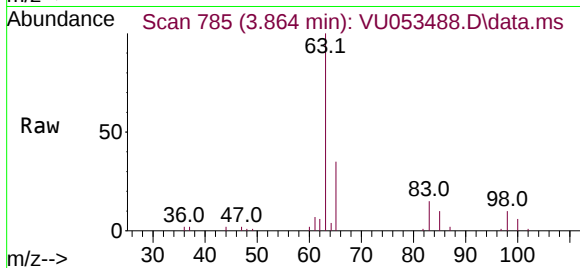
Tgt Ion: 63 Resp: 29717

Ion Ratio Lower Upper

63 100

65 34.8 22.0 41.0

83 14.6 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 8.980 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

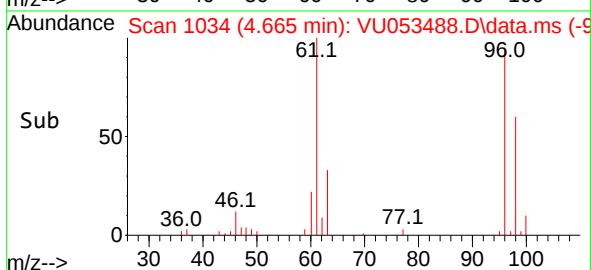
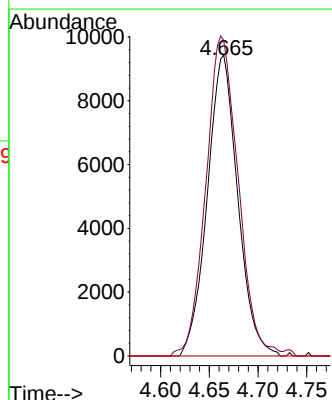
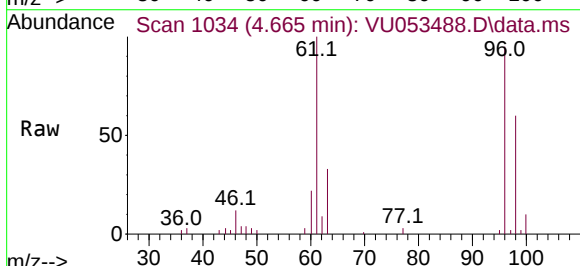
Tgt Ion: 96 Resp: 20509

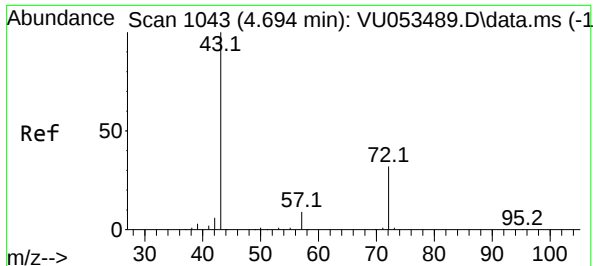
Ion Ratio Lower Upper

96 100

61 104.9 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 0.100 ug/L

RT: 4.835 min Scan# 110

Delta R.T. 0.142 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

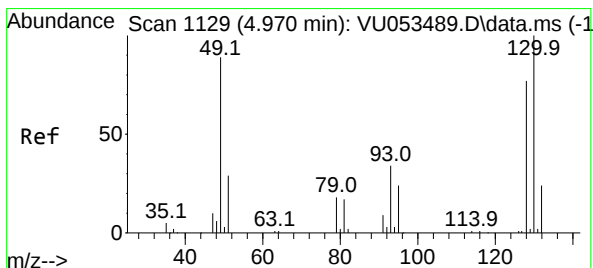
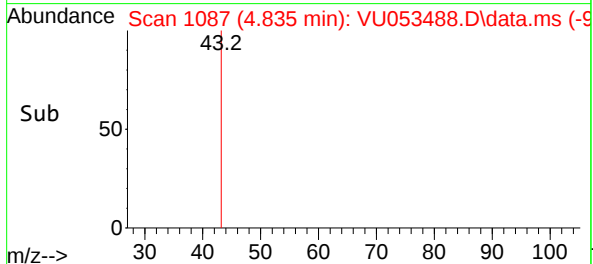
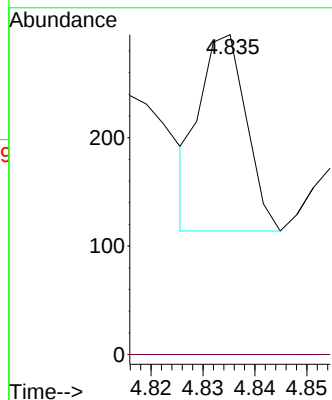
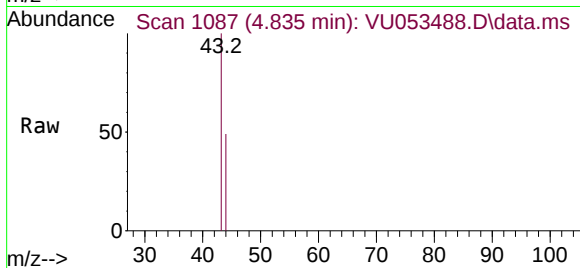
ClientSampleId :

Tgt Ion: 43 Resp: 113

Ion Ratio Lower Upper

43 100

72 31.0 15.8 47.3



#23

Bromochloromethane

Concen: 9.105 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Tgt Ion: 128 Resp: 11364

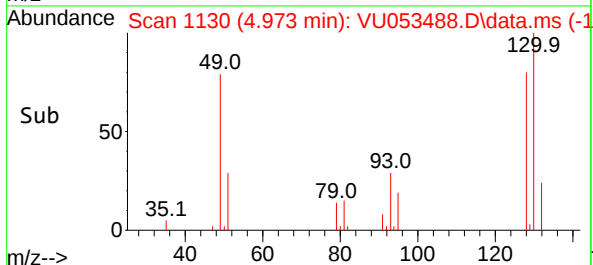
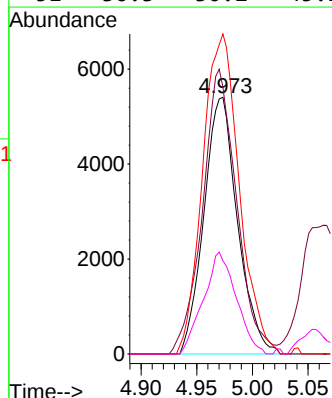
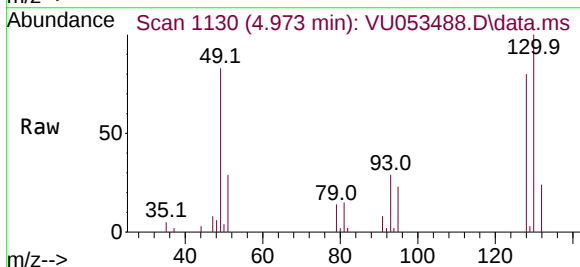
Ion Ratio Lower Upper

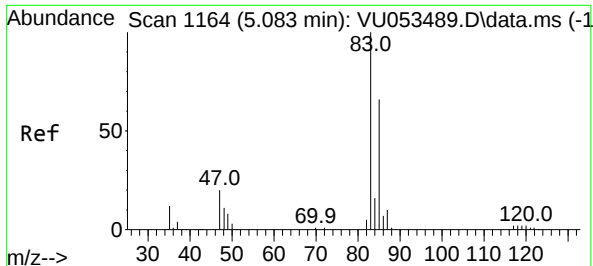
128 100

49 104.0 81.5 151.3

130 124.7 91.8 170.4

51 36.3 30.2 45.2





#25

Chloroform

Concen: 8.560 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

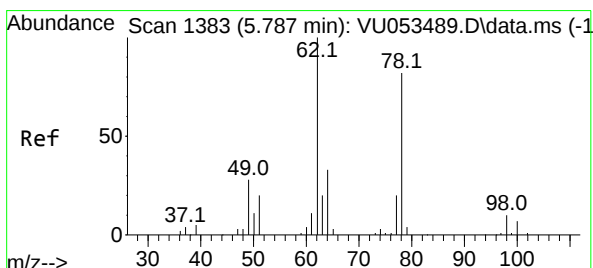
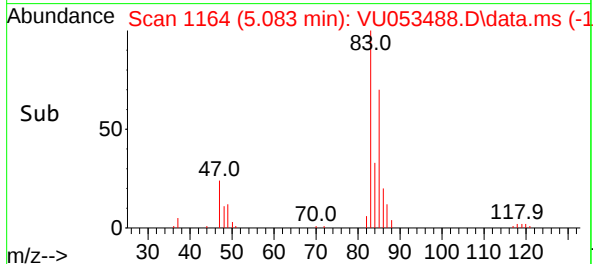
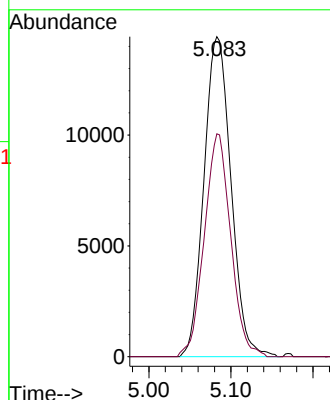
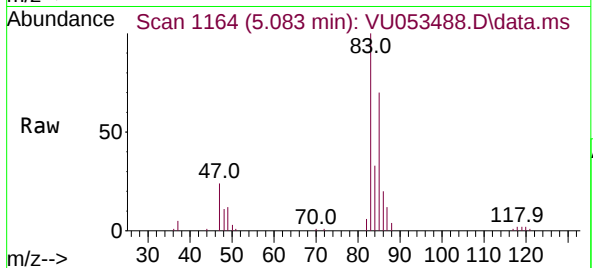
ClientSampleId :

Tgt Ion: 83 Resp: 33119

Ion Ratio Lower Upper

83 100

85 69.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 9.166 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053488.D

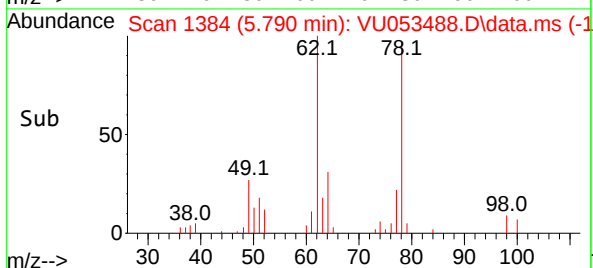
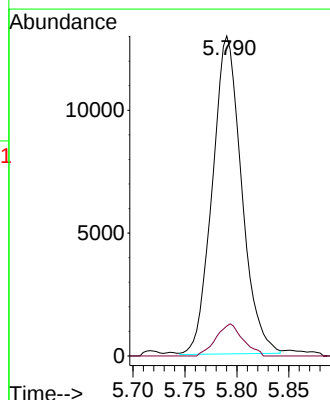
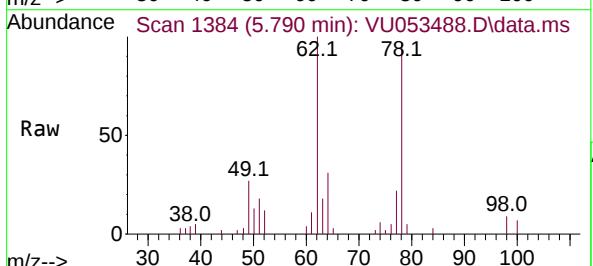
Acq: 31 Mar 2023 12:54

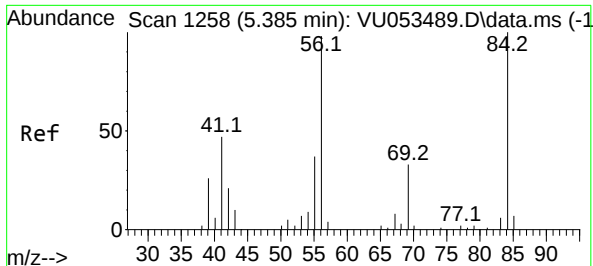
Tgt Ion: 62 Resp: 25313

Ion Ratio Lower Upper

62 100

98 9.4 8.3 12.5





#29

Cyclohexane

Concen: 8.209 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

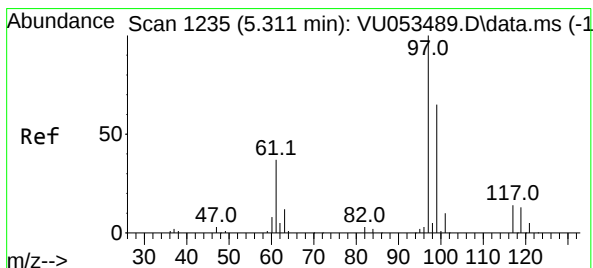
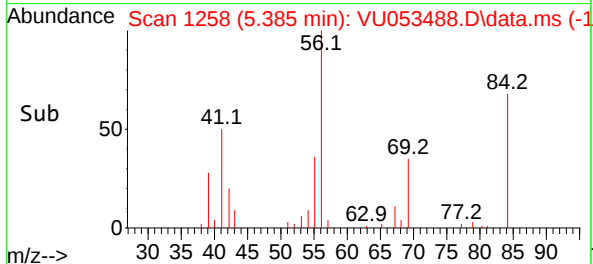
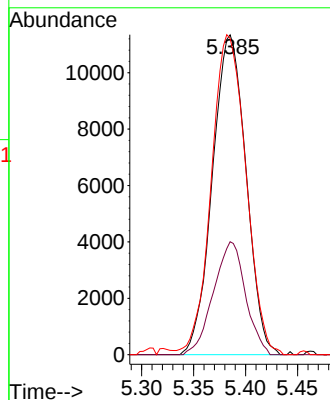
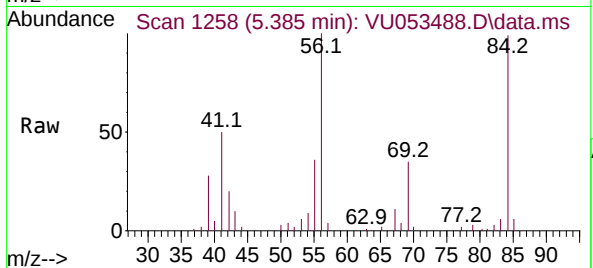
Tgt Ion: 56 Resp: 25513

Ion Ratio Lower Upper

56 100

69 33.6 27.3 40.9

84 102.9 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 8.590 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

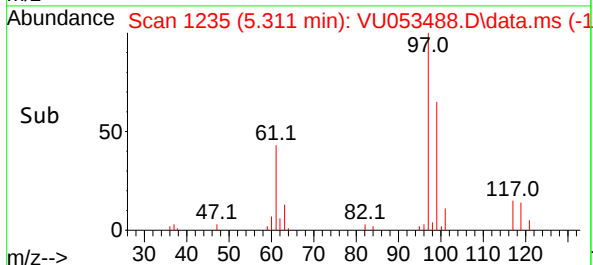
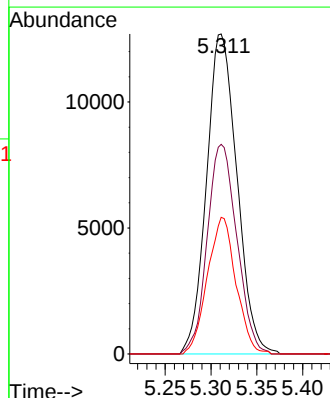
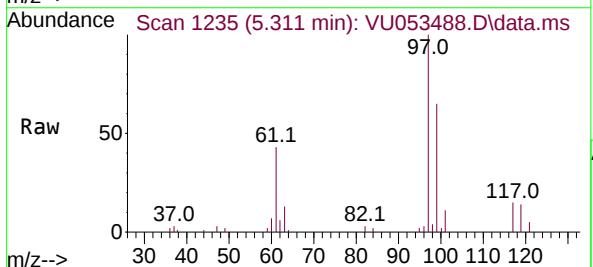
Tgt Ion: 97 Resp: 29354

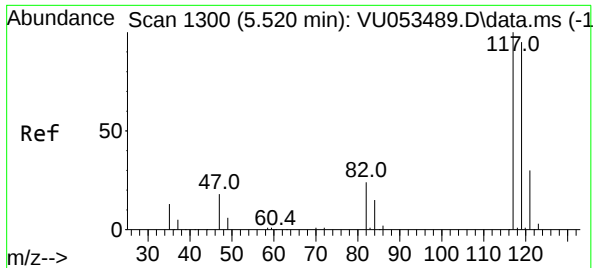
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 39.9 31.0 46.4

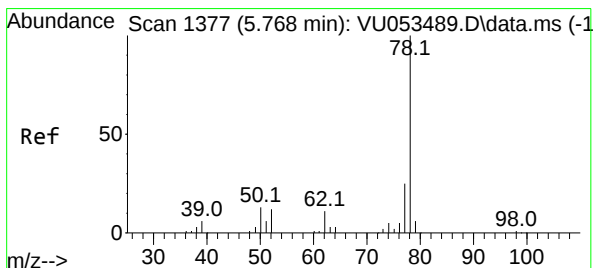
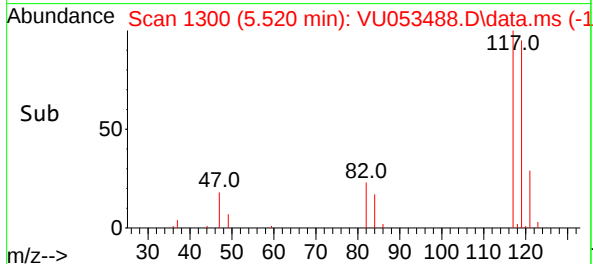
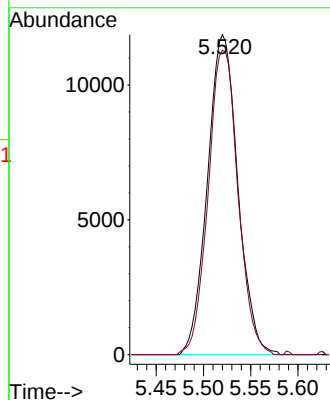
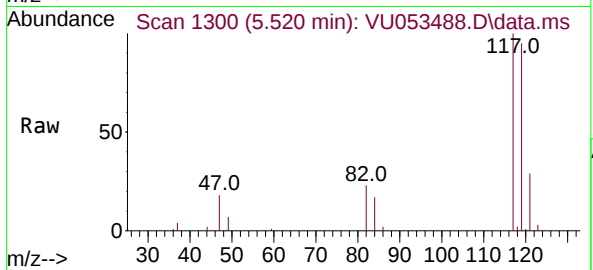




#31
Carbon tetrachloride
Concen: 8.859 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

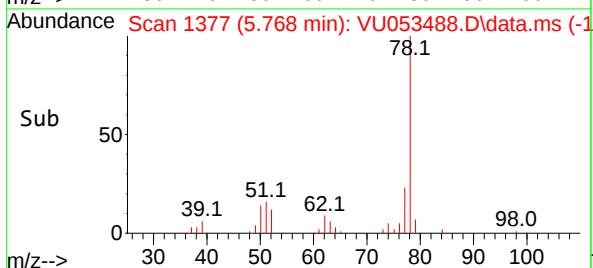
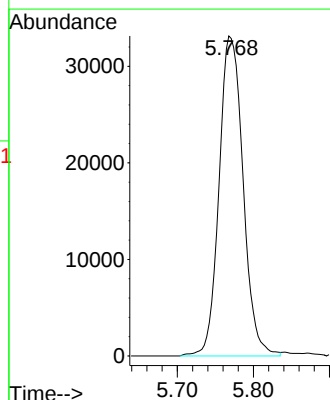
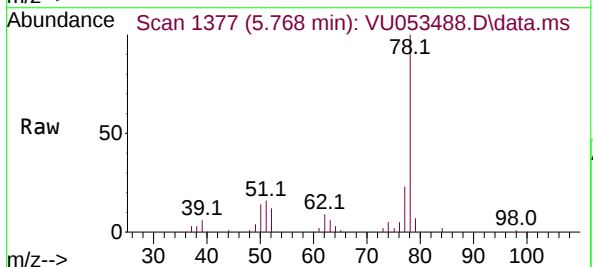
Instrument :
MSVOA_W
ClientSampleId :

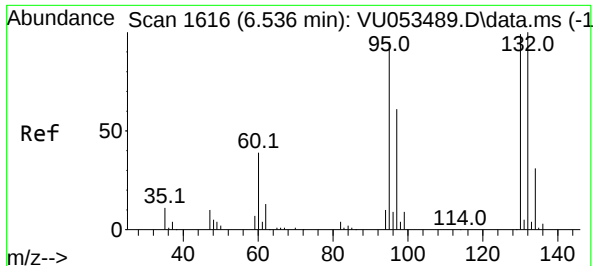
Tgt Ion:117 Resp: 26570
Ion Ratio Lower Upper
117 100
119 93.1 76.9 115.3



#33
Benzene
Concen: 8.958 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

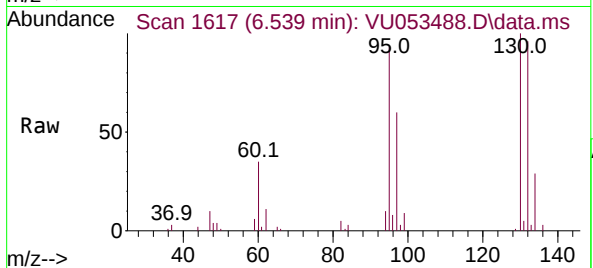
Tgt Ion: 78 Resp: 72724



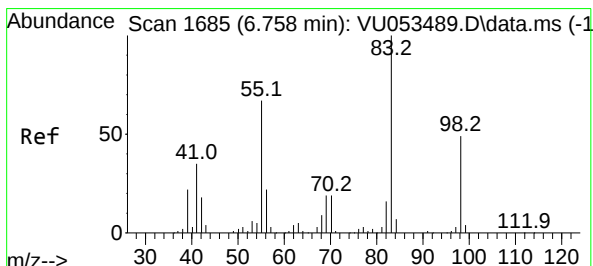
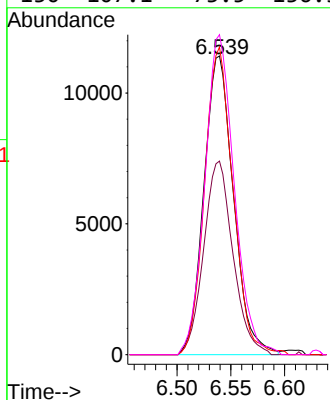
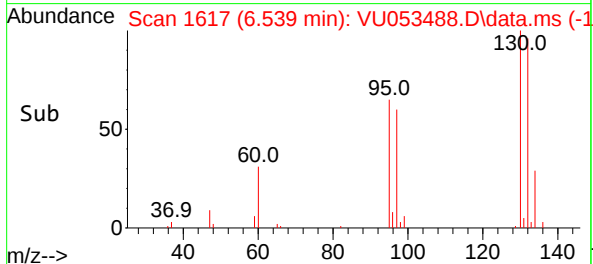


#34
 Trichloroethene
 Concen: 9.704 ug/L
 RT: 6.539 min Scan# 1617
 Delta R.T. 0.003 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54

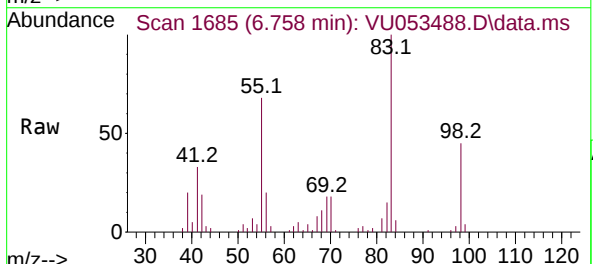
Instrument :
 MSVOA_W
 ClientSampleId :



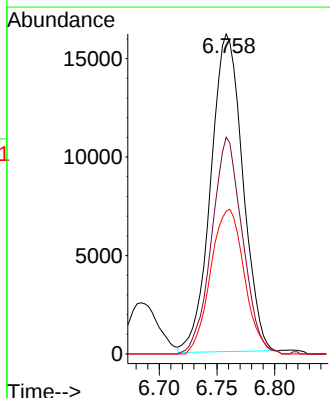
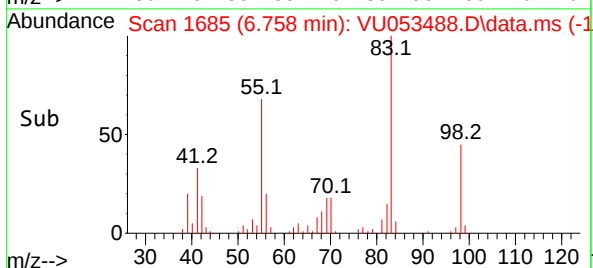
Tgt Ion: 95 Resp: 21843
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.1 83.7
 132 103.0 74.1 137.5
 130 107.1 73.5 136.5

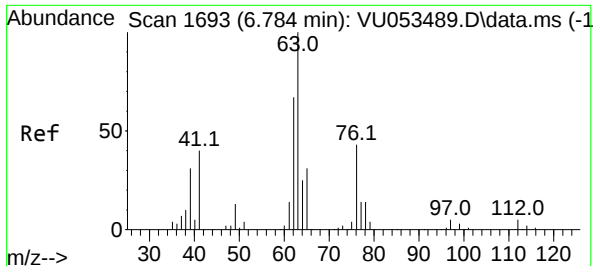


#35
 Methylcyclohexane
 Concen: 8.349 ug/L
 RT: 6.758 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54



Tgt Ion: 83 Resp: 31111
 Ion Ratio Lower Upper
 83 100
 55 65.6 53.0 79.6
 98 48.0 39.0 58.6





#37

1,2-Dichloropropane

Concen: 8.718 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

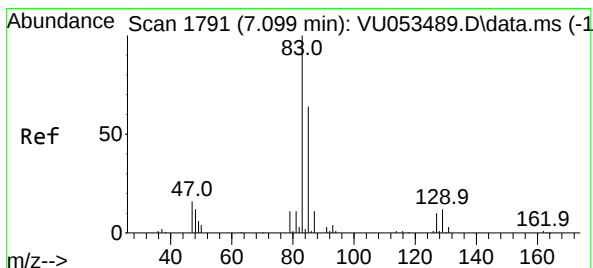
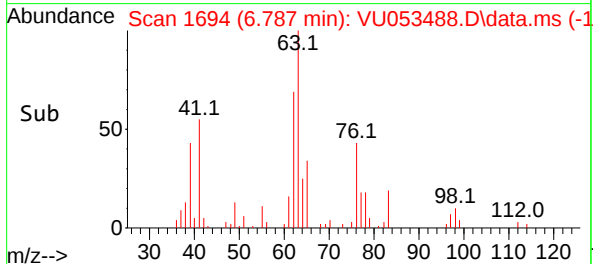
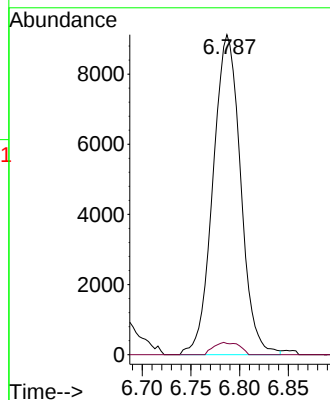
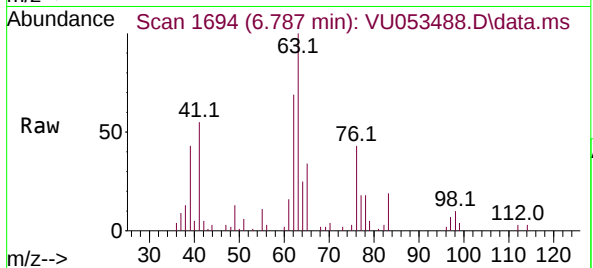
ClientSampleId :

Tgt Ion: 63 Resp: 18002

Ion Ratio Lower Upper

63 100

112 2.3 3.8 5.6#



#38

Bromodichloromethane

Concen: 8.071 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

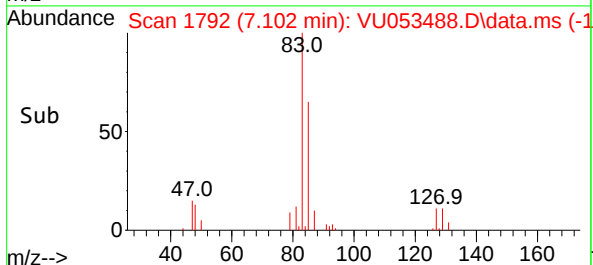
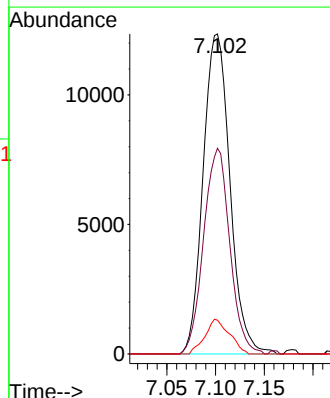
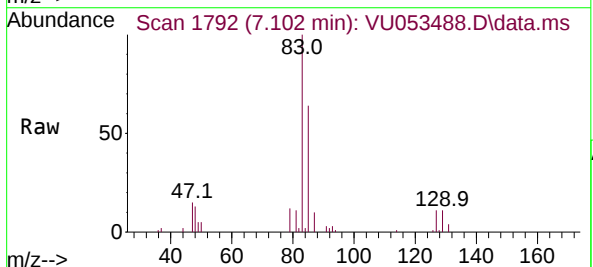
Tgt Ion: 83 Resp: 23671

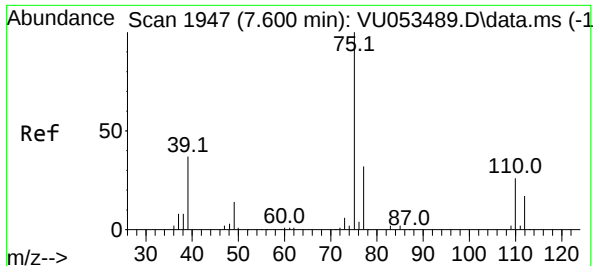
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5

127 10.5 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 7.790 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

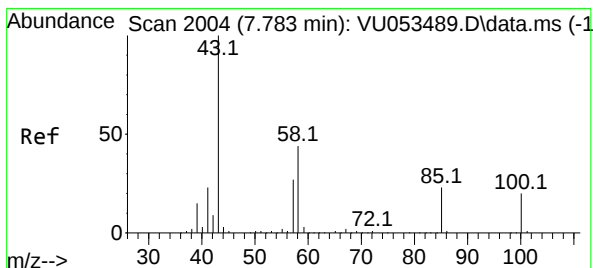
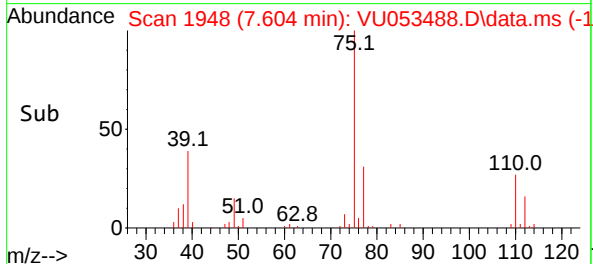
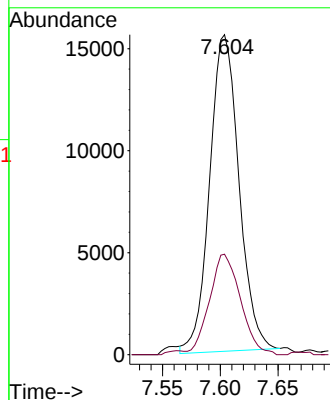
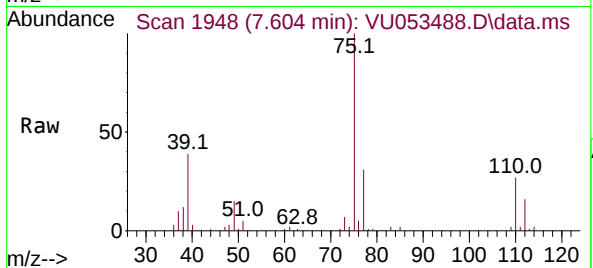
ClientSampleId :

Tgt Ion: 75 Resp: 27375

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 19.551 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

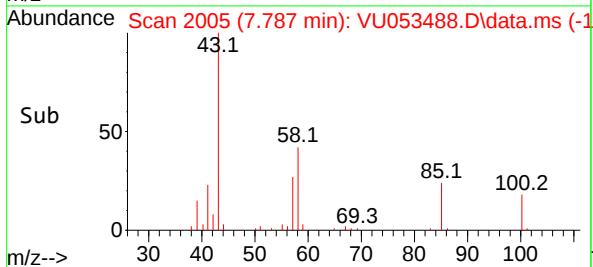
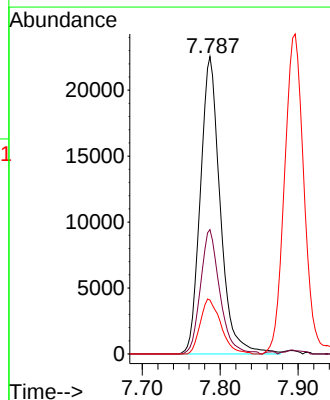
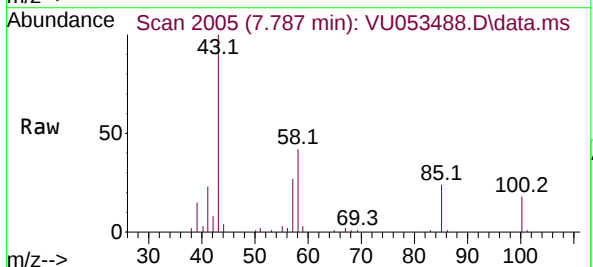
Tgt Ion: 43 Resp: 40024

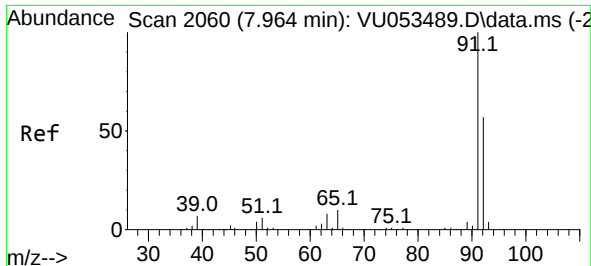
Ion Ratio Lower Upper

43 100

58 40.4 35.5 53.3

100 19.1 15.8 23.8





#42

Toluene

Concen: 8.738 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

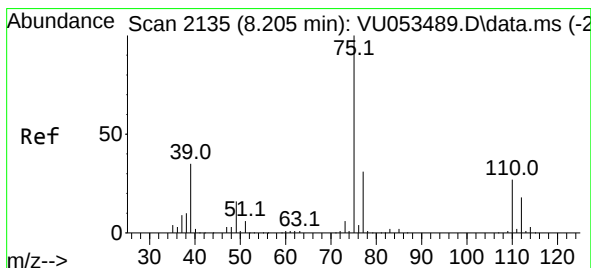
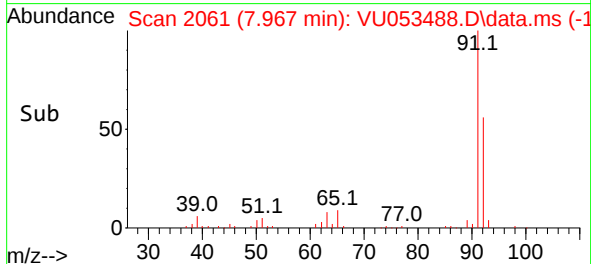
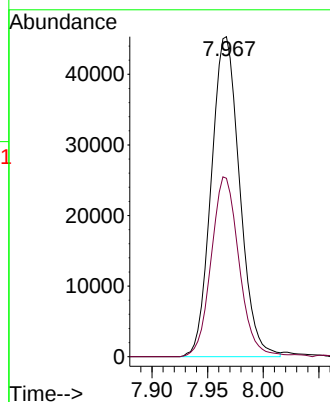
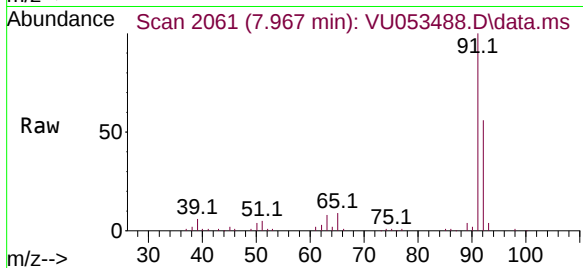
ClientSampleId :

Tgt Ion: 91 Resp: 80415

Ion Ratio Lower Upper

91 100

92 55.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 7.891 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053488.D

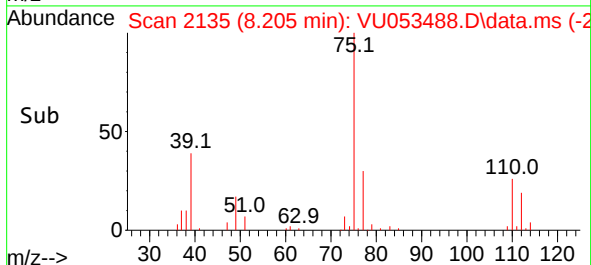
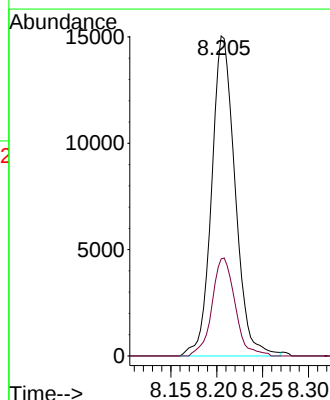
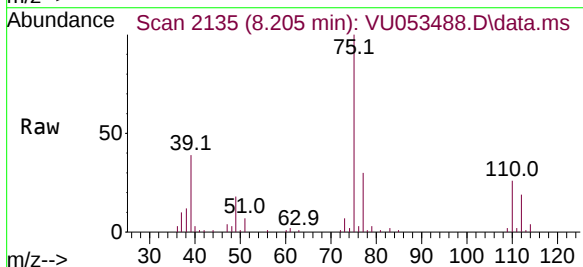
Acq: 31 Mar 2023 12:54

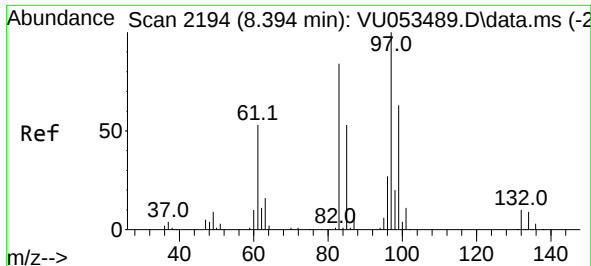
Tgt Ion: 75 Resp: 26772

Ion Ratio Lower Upper

75 100

77 30.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 9.043 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 19490

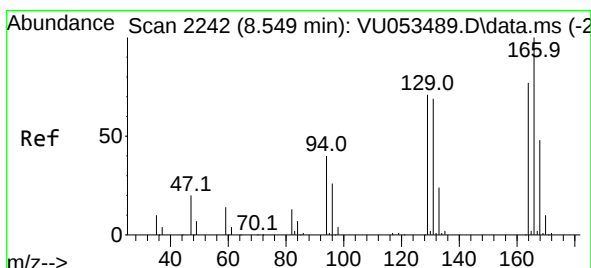
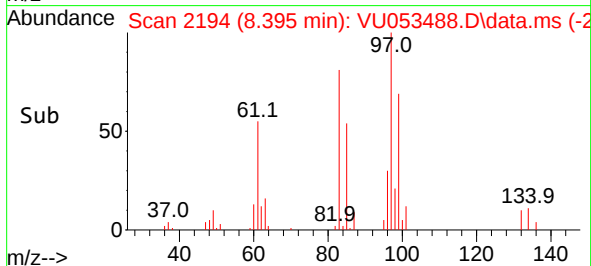
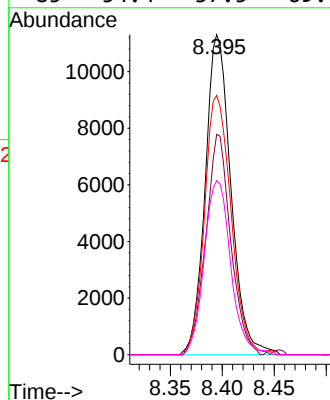
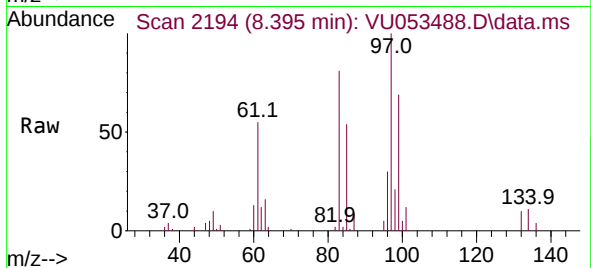
Ion Ratio Lower Upper

97 100

99 68.8 43.8 81.3

83 81.1 59.0 109.6

85 54.4 37.5 69.7



#46

Tetrachloroethene

Concen: 9.997 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Tgt Ion:164 Resp: 17970

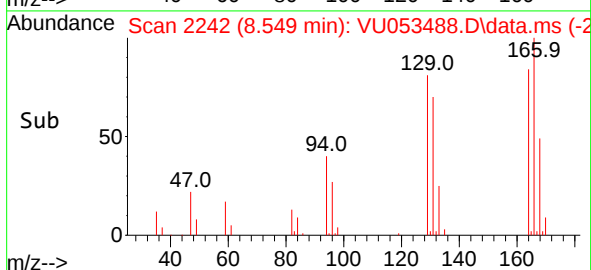
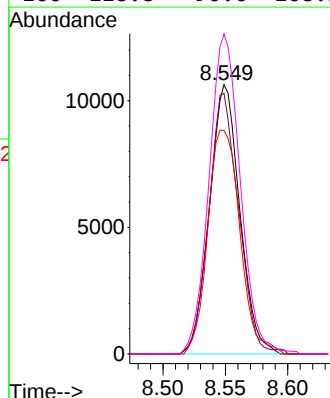
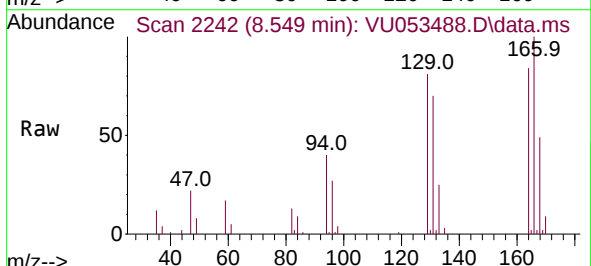
Ion Ratio Lower Upper

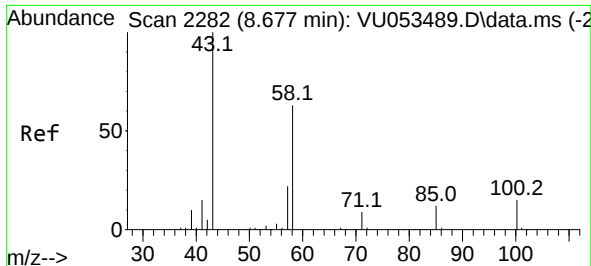
164 100

129 96.8 64.0 119.0

131 83.0 61.9 115.1

166 118.8 90.6 168.2

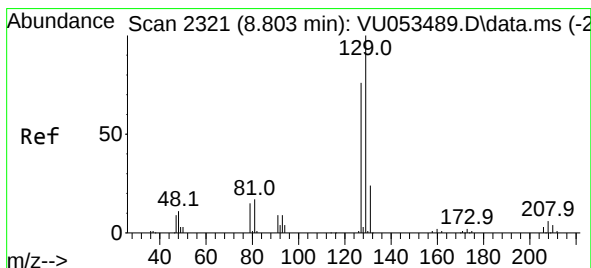
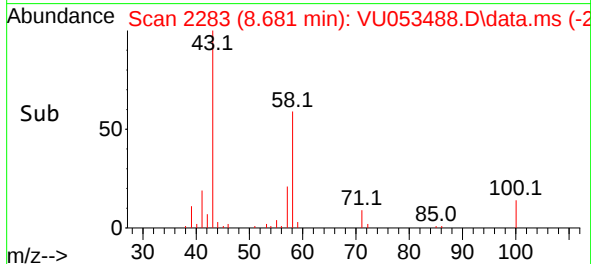
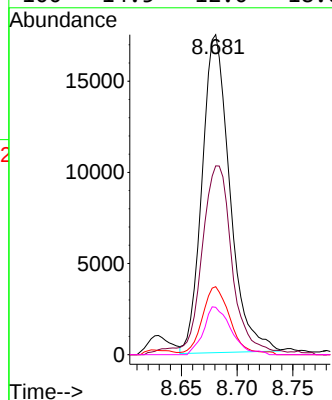
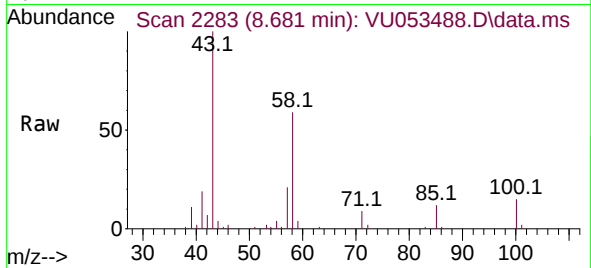




#48
2-Hexanone
Concen: 18.587 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

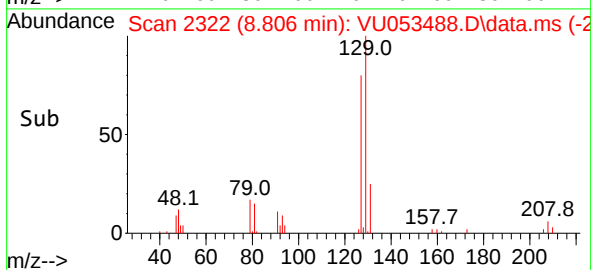
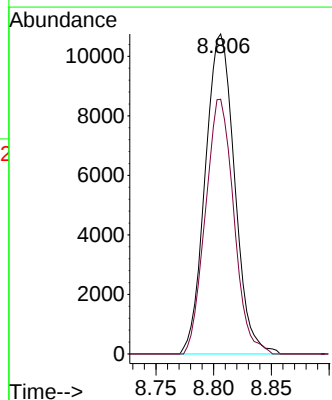
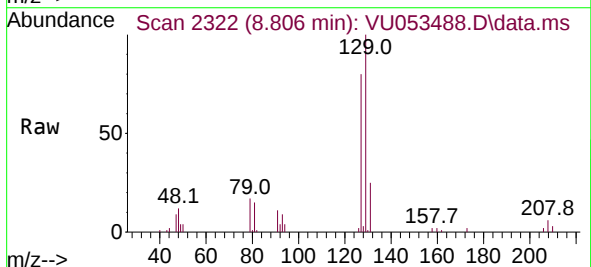
Instrument :
MSVOA_W
ClientSampleId :

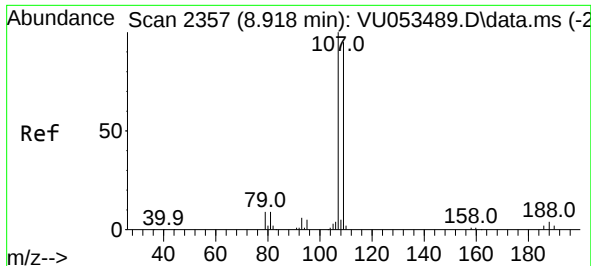
Tgt Ion: 43	Resp: 30259
Ion Ratio	Lower Upper
43 100	
58 65.1	49.8 74.6
57 20.0	17.8 26.6
100 14.5	12.0 18.0



#49
Dibromochloromethane
Concen: 7.510 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion:129	Resp: 19033		
Ion Ratio	Lower	Upper	
129 100			
127 79.6	53.5	99.3	





#50

1,2-Dibromoethane

Concen: 9.295 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

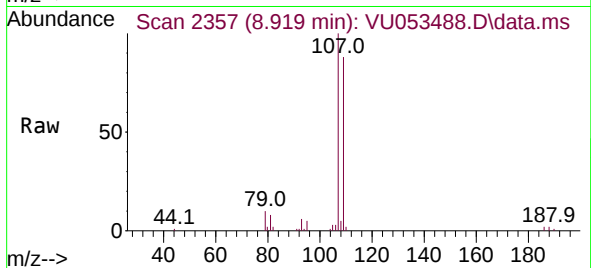
Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :



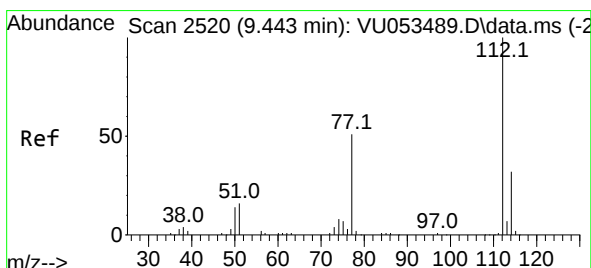
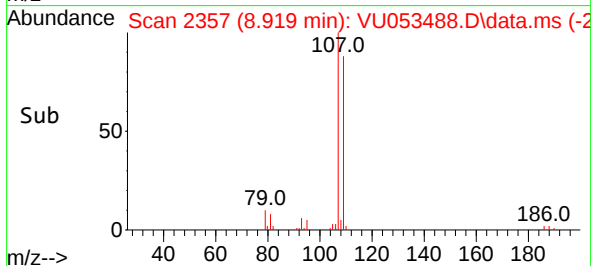
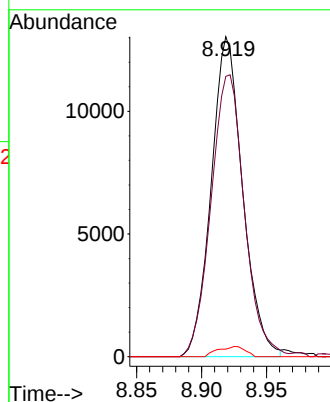
Tgt Ion:107 Resp: 21916

Ion Ratio Lower Upper

107 100

109 87.6 66.3 123.1

188 2.4 3.0 4.4#



#51

Chlorobenzene

Concen: 9.200 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

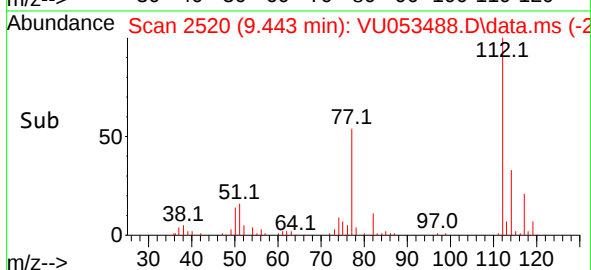
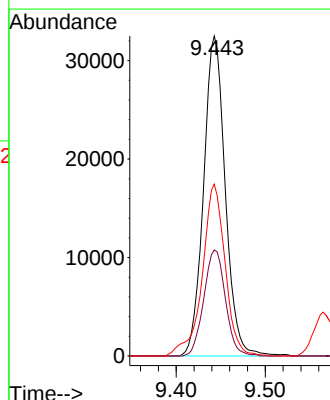
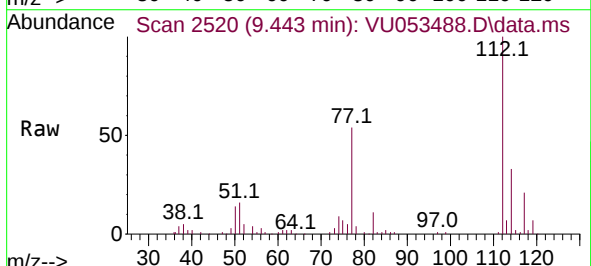
Tgt Ion:112 Resp: 54983

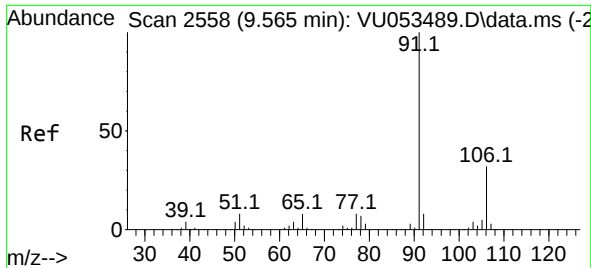
Ion Ratio Lower Upper

112 100

114 33.2 22.2 41.2

77 53.7 41.3 61.9

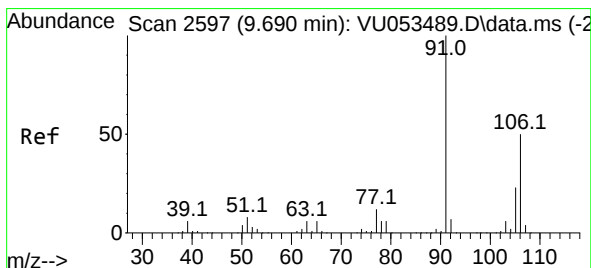
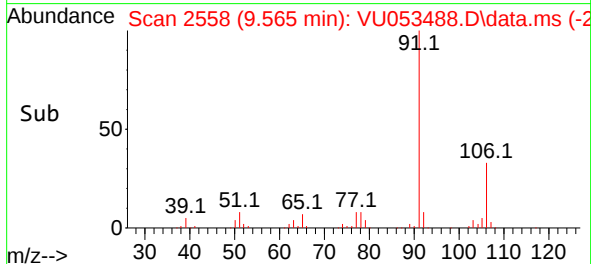
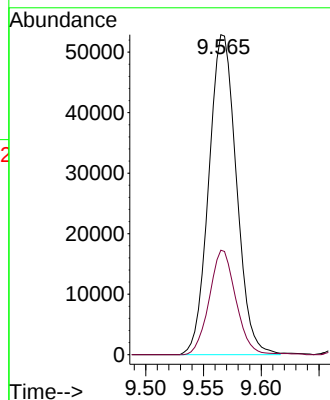
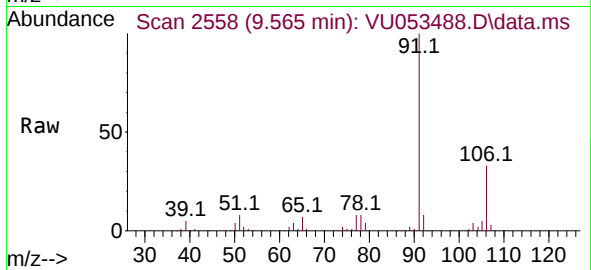




#52
Ethylbenzene
Concen: 8.657 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

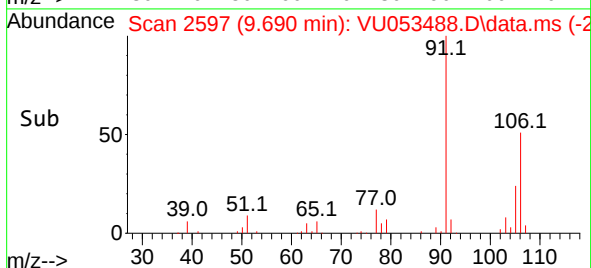
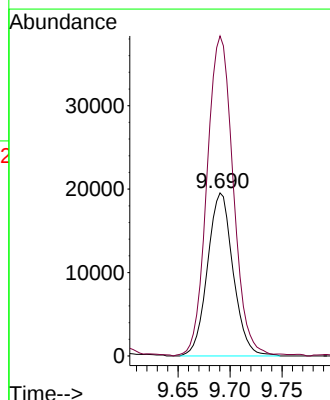
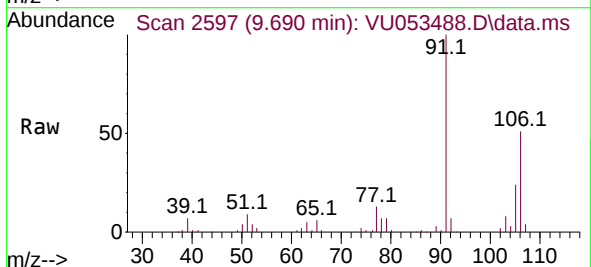
Instrument :
MSVOA_W
ClientSampleId :

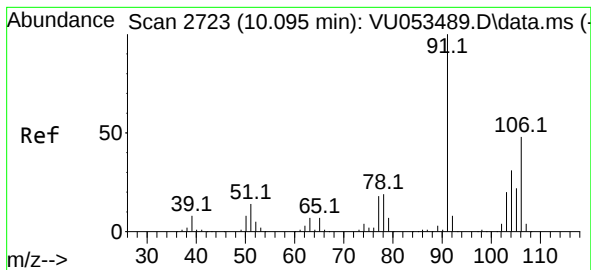
Tgt Ion: 91 Resp: 87806
Ion Ratio Lower Upper
91 100
106 32.7 22.4 41.6



#53
m,p-Xylene
Concen: 8.384 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion: 106 Resp: 33501
Ion Ratio Lower Upper
106 100
91 196.3 140.0 260.0





#54

o-xylene

Concen: 8.513 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

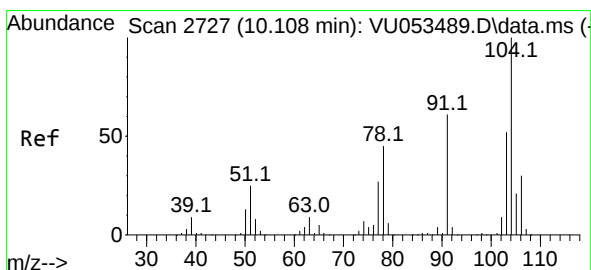
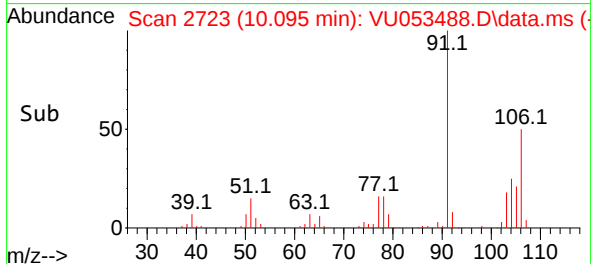
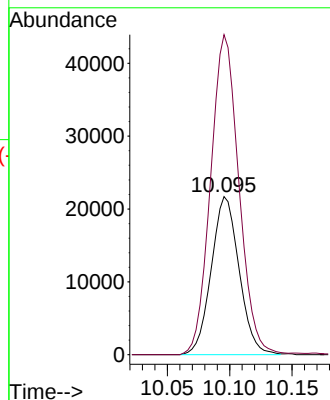
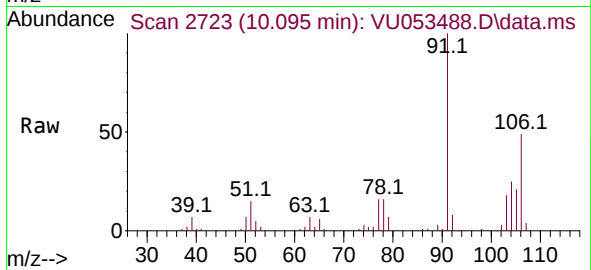
ClientSampleId :

Tgt Ion:106 Resp: 33733

Ion Ratio Lower Upper

106 100

91 202.4 144.9 269.1



#55

Styrene

Concen: 7.900 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053488.D

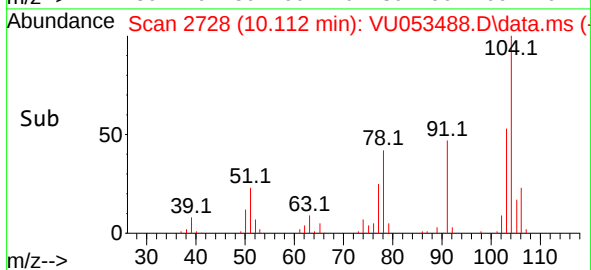
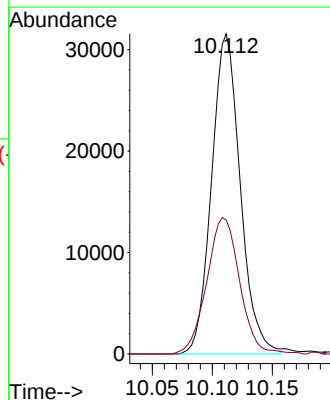
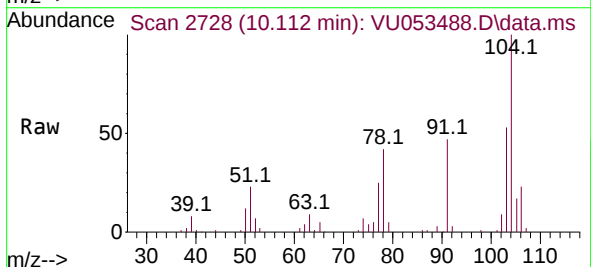
Acq: 31 Mar 2023 12:54

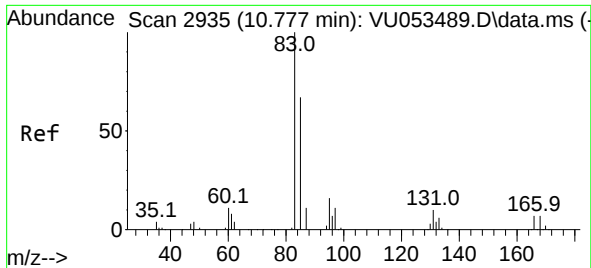
Tgt Ion:104 Resp: 52432

Ion Ratio Lower Upper

104 100

78 41.9 31.3 58.1

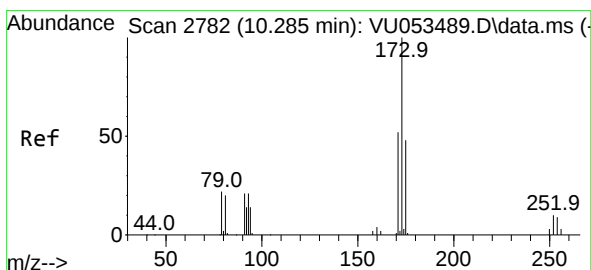
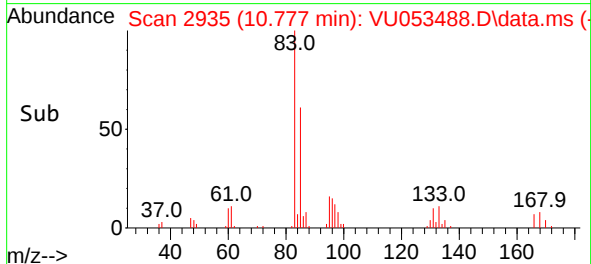
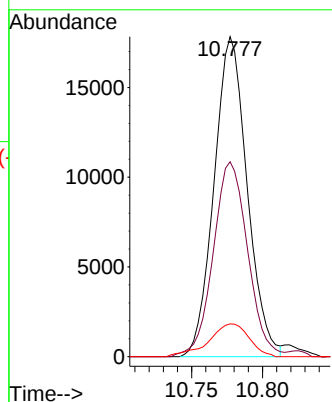
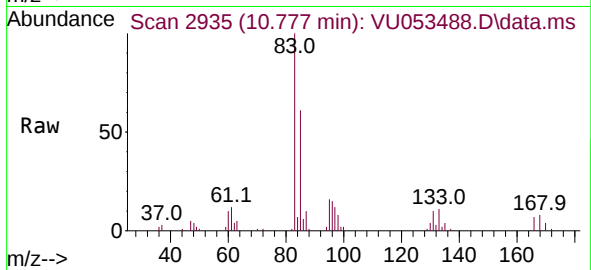




#57
 1,1,2,2-Tetrachloroethane
 Concen: 8.754 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54

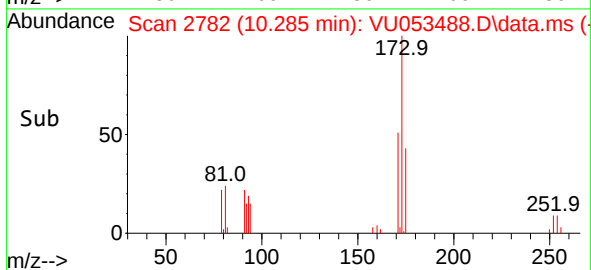
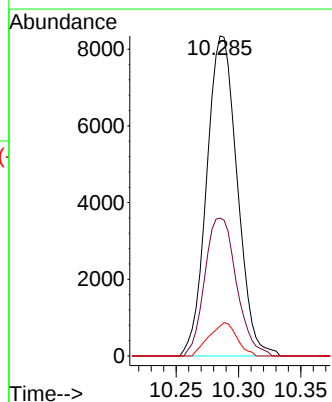
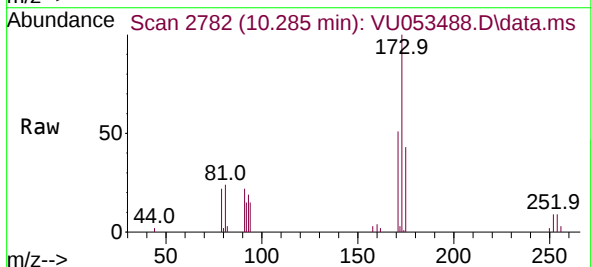
Instrument :
 MSVOA_W
 ClientSampleId :

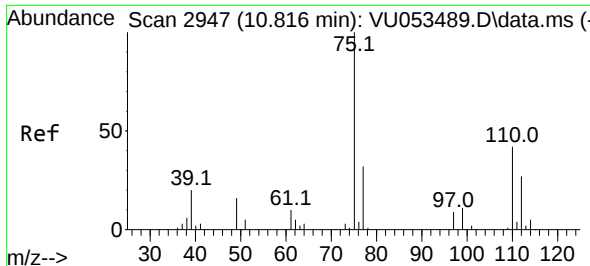
Tgt Ion: 83 Resp: 28979
 Ion Ratio Lower Upper
 83 100
 85 60.9 47.0 87.4
 131 10.3 8.7 13.1



#59
 Bromoform
 Concen: 7.697 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053488.D
 Acq: 31 Mar 2023 12:54

Tgt Ion: 173 Resp: 14218
 Ion Ratio Lower Upper
 173 100
 175 44.8 39.0 58.6
 254 9.5 7.0 10.4

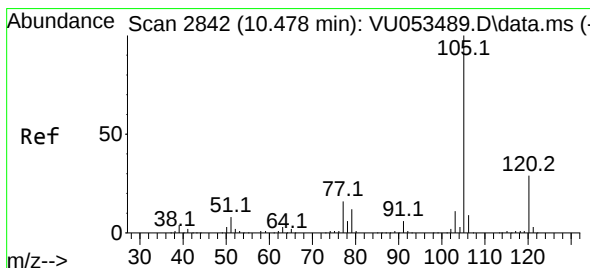
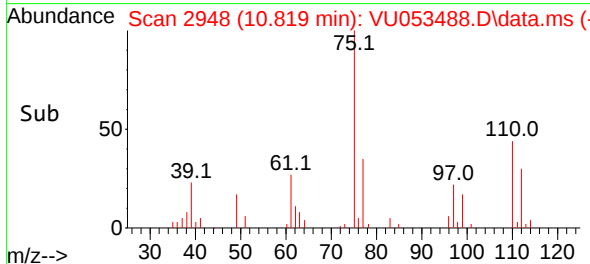
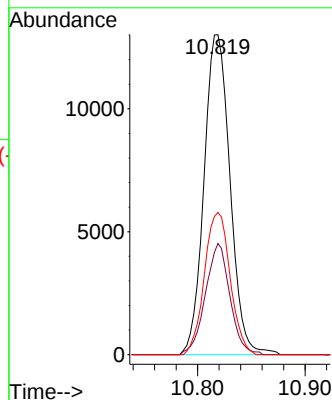
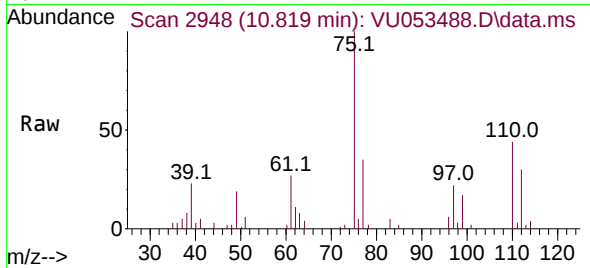




#60
1,2,3-Trichloropropane
Concen: 9.219 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

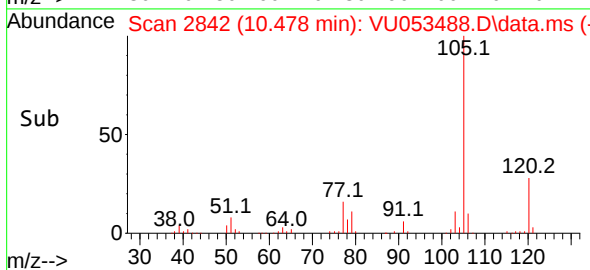
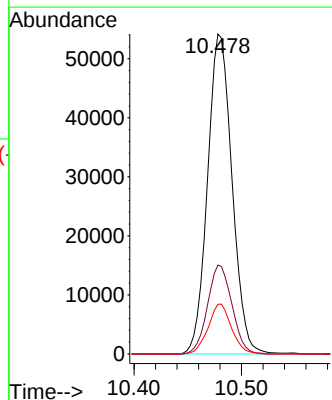
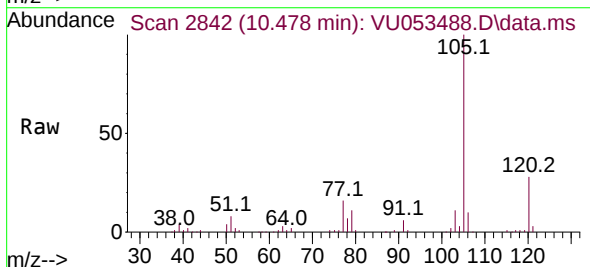
Instrument :
MSVOA_W
ClientSampleId :

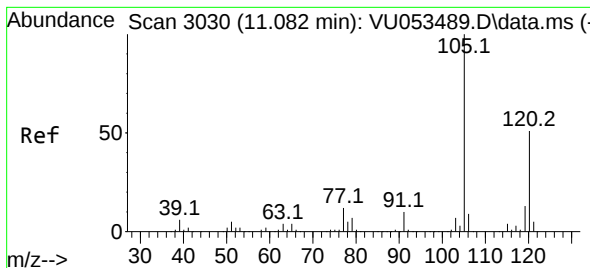
Tgt Ion: 75 Resp: 21897
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 44.0 32.6 48.8



#61
Isopropylbenzene
Concen: 8.678 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion: 105 Resp: 85835
Ion Ratio Lower Upper
105 100
120 27.5 22.4 33.6
77 14.9 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 8.104 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

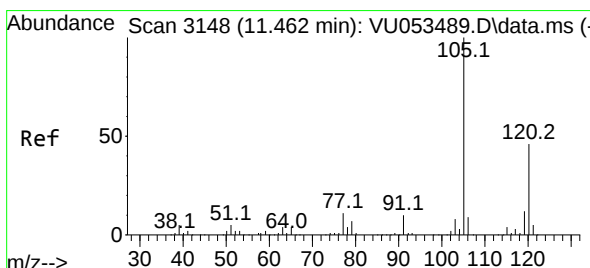
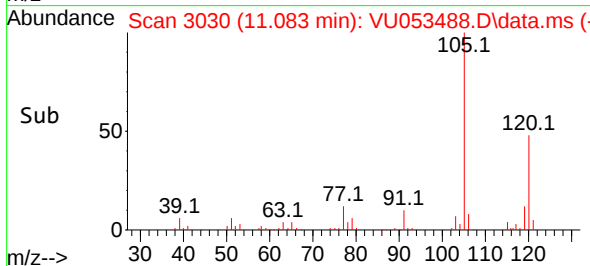
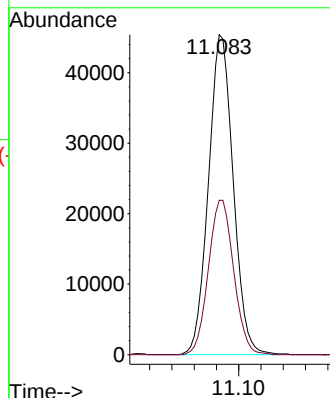
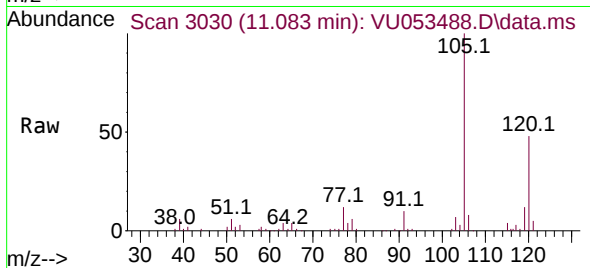
ClientSampleId :

Tgt Ion:105 Resp: 70008

Ion Ratio Lower Upper

105 100

120 49.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 8.204 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053488.D

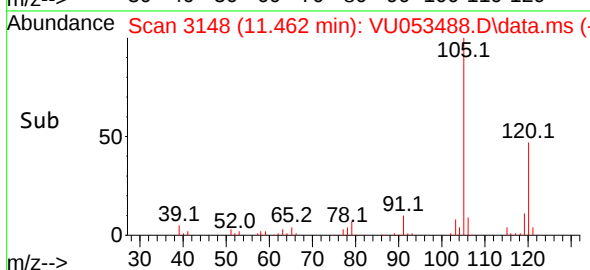
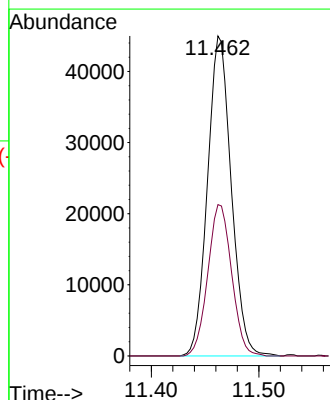
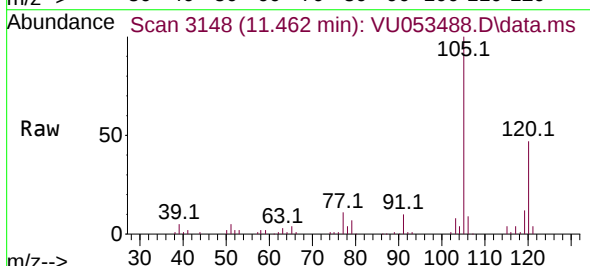
Acq: 31 Mar 2023 12:54

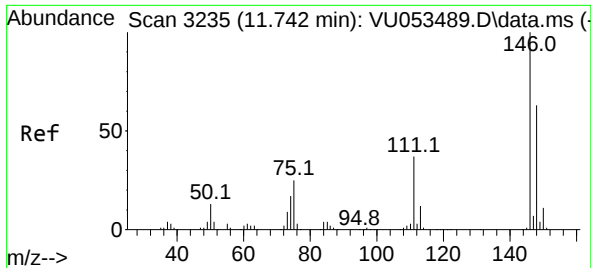
Tgt Ion:105 Resp: 69085

Ion Ratio Lower Upper

105 100

120 47.4 37.5 56.3

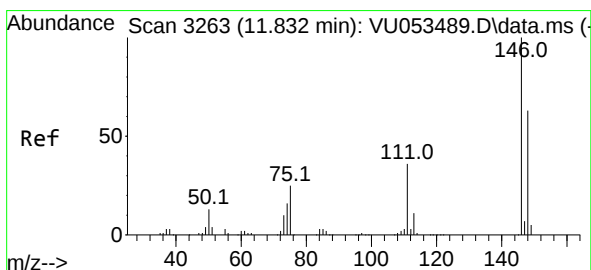
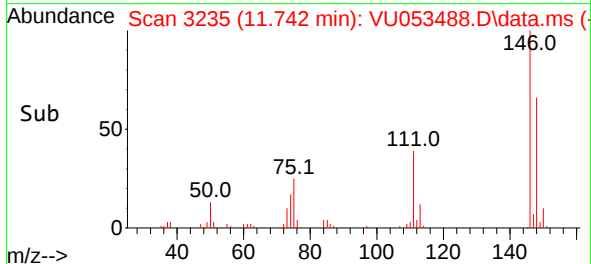
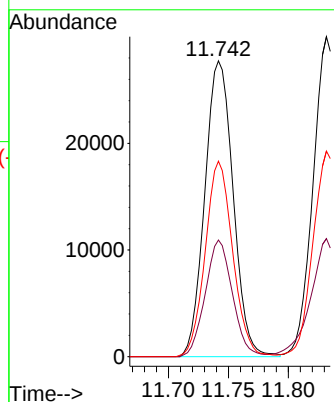
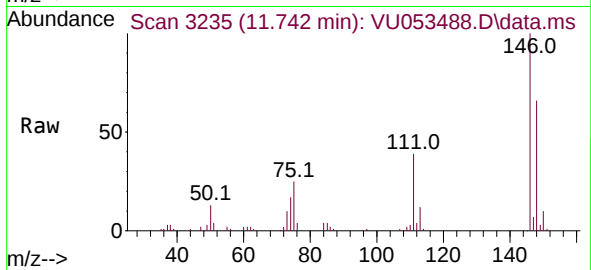




#64
1,3-Dichlorobenzene
Concen: 10.019 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

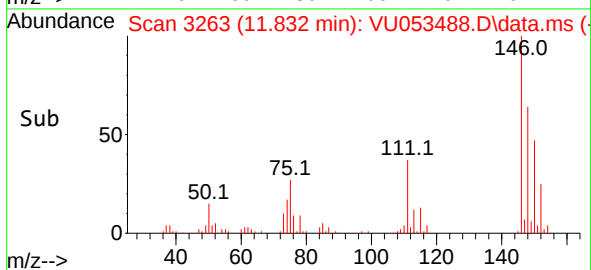
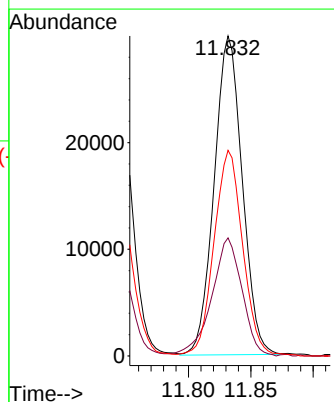
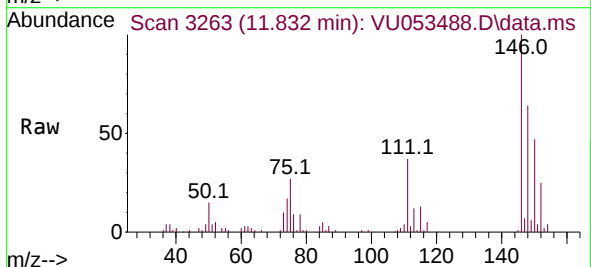
Instrument :
MSVOA_W
ClientSampleId :

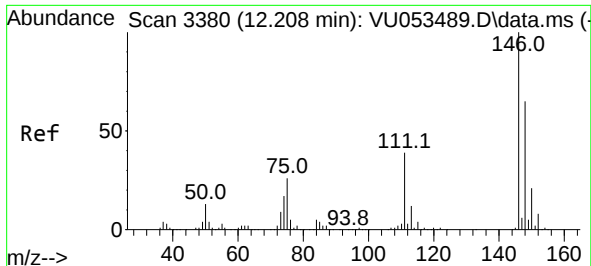
Tgt Ion:146 Resp: 45588
Ion Ratio Lower Upper
146 100
111 39.5 25.7 47.7
148 66.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 10.242 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion:146 Resp: 46910
Ion Ratio Lower Upper
146 100
111 36.9 25.1 46.5
148 64.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 9.938 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

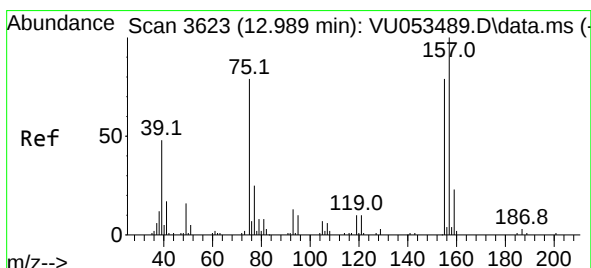
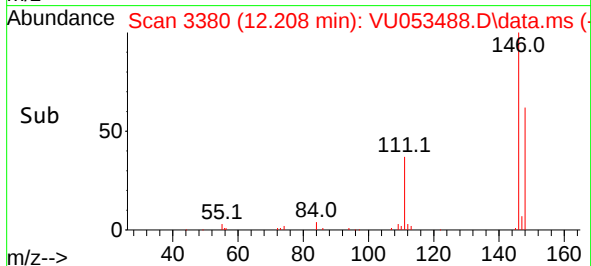
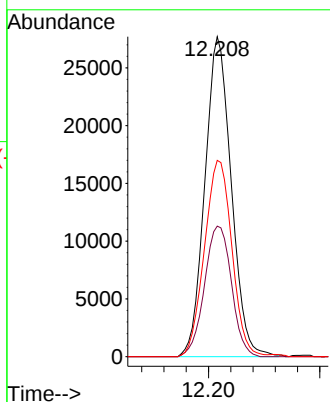
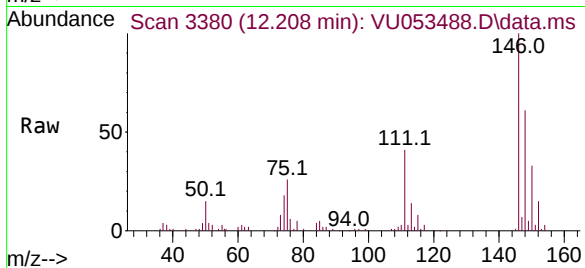
Tgt Ion:146 Resp: 45569

Ion Ratio Lower Upper

146 100

111 40.8 31.5 47.3

148 61.3 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 7.768 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

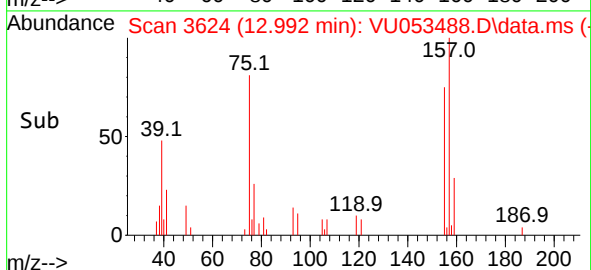
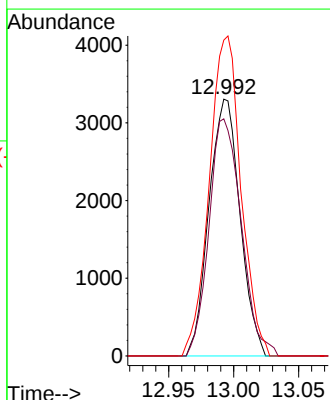
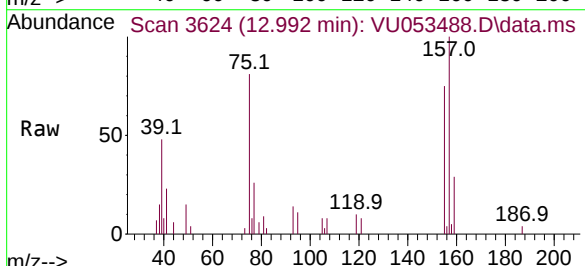
Tgt Ion: 75 Resp: 5481

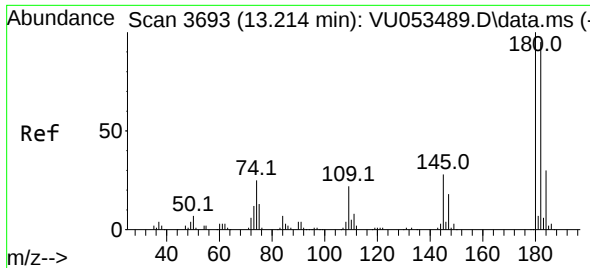
Ion Ratio Lower Upper

75 100

155 92.3 79.9 119.9

157 123.0 100.8 151.2

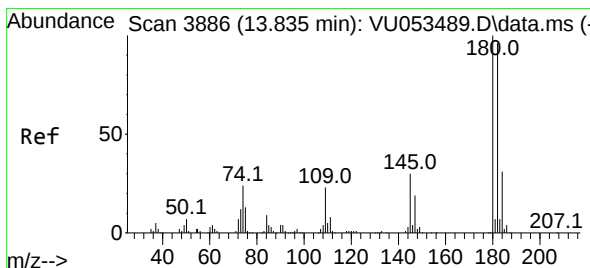
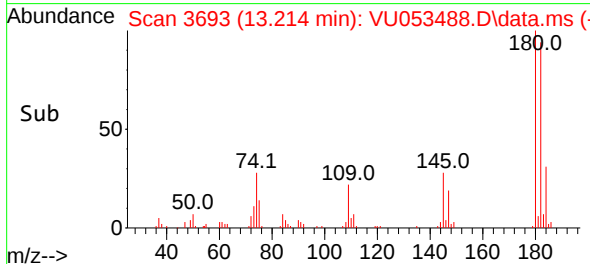
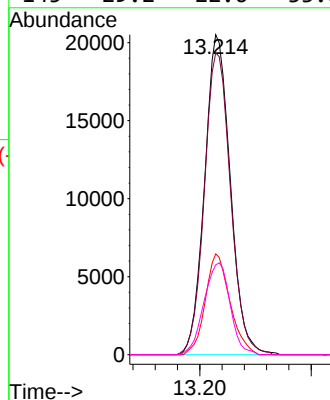
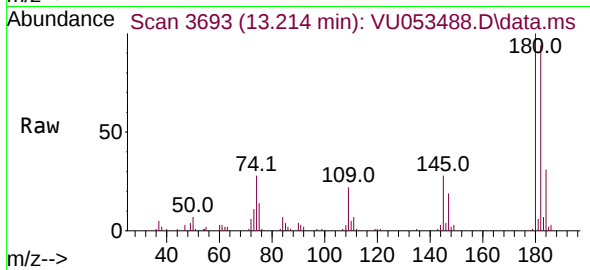




#69
1,3,5-Trichlorobenzene
Concen: 9.422 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

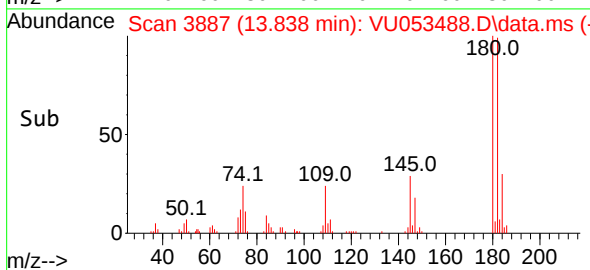
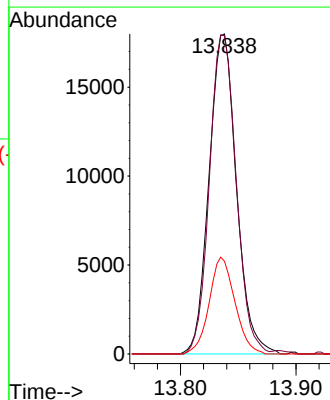
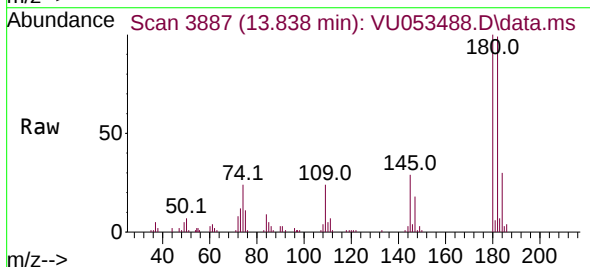
Instrument :
MSVOA_W
ClientSampleId :

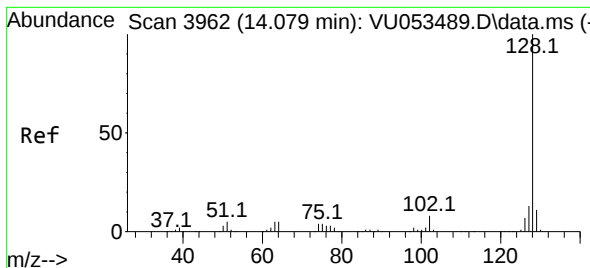
Tgt Ion:180	Resp:	32883
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.6 113.4
184	30.2	24.2 36.2
145	29.2	22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 9.416 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053488.D
Acq: 31 Mar 2023 12:54

Tgt Ion:180	Resp:	29587
Ion Ratio	Lower	Upper
180	100	
182	97.3	75.8 113.8
145	28.4	23.4 35.2





#71

Naphthalene

Concen: 9.228 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

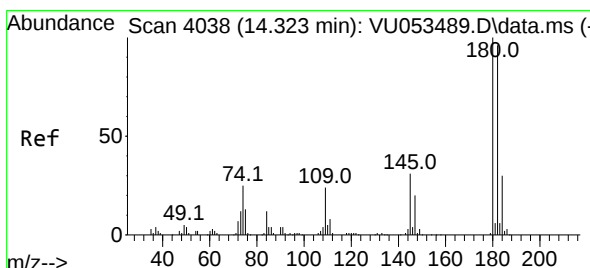
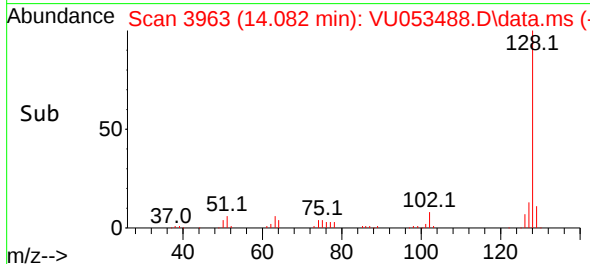
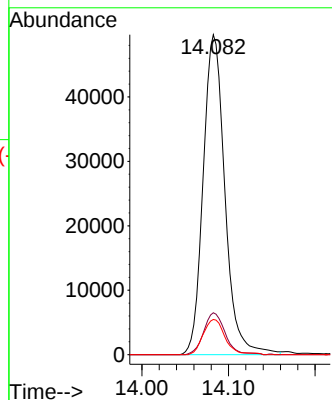
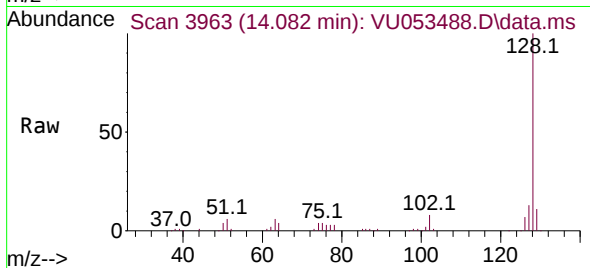
Tgt Ion:128 Resp: 86747

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 9.823 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053488.D

Acq: 31 Mar 2023 12:54

Tgt Ion:180 Resp: 30324

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

145 28.5 25.4 38.0

