

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053487.D
 Acq On : 31 Mar 2023 12:30
 Operator : JC/MD
 Sample : VSTD00511
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:37:34 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	6.247	114	294905	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	272888	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	142655	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	10893	4.109	ug/L	0.00
7) Chloroethane-d5	1.912	69	8452	3.975	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	17192	4.212	ug/L	0.00
21) 2-Butanone-d5	4.629	46	5480	5.173	ug/L	0.02
24) Chloroform-d	5.060	84	17559	4.017	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	10019	3.814	ug/L	0.00
32) Benzene-d6	5.726	84	35441	4.078	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	11469	4.284	ug/L	0.00
41) Toluene-d8	7.896	98	34112	4.006	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	5348	3.704	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	6351	7.626	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	13963	3.754	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	14767	4.739	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	12301	5.249	ug/L	98
3) Chloromethane	1.520	50	9878	4.643	ug/L	93
5) Vinyl chloride	1.604	62	11171	4.321	ug/L	98
6) Bromomethane	1.854	94	8216	4.567	ug/L	96
8) Chloroethane	1.935	64	7200	4.583	ug/L	90
9) Trichlorofluoromethane	2.141	101	17176	4.341	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	10049	4.900	ug/L	98
12) 1,1-Dichloroethene	2.578	96	9288	4.836	ug/L	95
13) Acetone	2.629	43	8517	8.836	ug/L	95
14) Carbon disulfide	2.793	76	23283	4.158	ug/L	98
15) Methyl Acetate	2.951	43	6500	4.536	ug/L	92
16) Methylene chloride	3.041	84	11374	4.954	ug/L	90
17) trans-1,2-Dichloroethene	3.353	96	8630	4.233	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	26236	4.195	ug/L	98
19) 1,1-Dichloroethane	3.867	63	14566	4.201	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	10188	4.426	ug/L	98
22) 2-Butanone	4.710	43	9537	8.345	ug/L	92
23) Bromochloromethane	4.976	128	5798	4.609	ug/L	96
25) Chloroform	5.083	83	17272	4.430	ug/L	94
27) 1,2-Dichloroethane	5.793	62	12540	4.506	ug/L #	93
29) Cyclohexane	5.385	56	13462	4.317	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	15243	4.446	ug/L	97
31) Carbon tetrachloride	5.523	117	13261	4.407	ug/L	98
33) Benzene	5.771	78	35290	4.332	ug/L	100
34) Trichloroethene	6.539	95	10910	4.830	ug/L	96
35) Methylcyclohexane	6.761	83	15410	4.122	ug/L	99
37) 1,2-Dichloropropane	6.787	63	9261	4.470	ug/L #	90
38) Bromodichloromethane	7.105	83	11402	3.875	ug/L #	95
39) cis-1,3-Dichloropropene	7.603	75	13897	3.941	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	17788	8.660	ug/L	99
42) Toluene	7.967	91	39395	4.266	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	12413	3.646	ug/L	93

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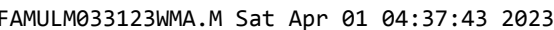
Instrument :
 MSVOA_W
 ClientSampleId :

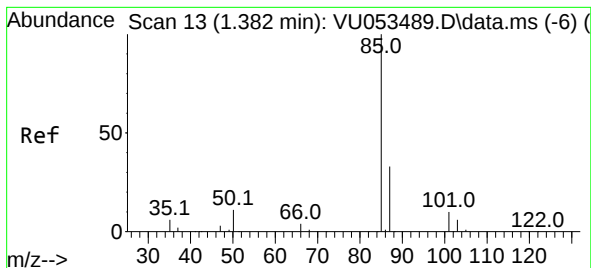
Quant Time: Apr 01 04:37:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:36:17 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	9780	4.523	ug/L	95
46) Tetrachloroethene	8.552	164	8816	4.888	ug/L	91
48) 2-Hexanone	8.681	43	13323	8.156	ug/L	95
49) Dibromochloromethane	8.806	129	9291	3.654	ug/L	95
50) 1,2-Dibromoethane	8.922	107	10330	4.366	ug/L	88
51) Chlorobenzene	9.443	112	28494	4.752	ug/L	96
52) Ethylbenzene	9.568	91	43774	4.301	ug/L	99
53) m,p-Xylene	9.690	106	16986	4.237	ug/L	91
54) o-xylene	10.098	106	16510	4.153	ug/L	91
55) Styrene	10.111	104	24837	3.730	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	14194	4.273	ug/L	94
59) Bromoform	10.288	173	6450	3.594	ug/L #	38
60) 1,2,3-Trichloropropane	10.819	75	10480	4.541	ug/L	97
61) Isopropylbenzene	10.481	105	43327	4.509	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	34390	4.097	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	33657	4.114	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	23055	5.215	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	24179	5.434	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	22356	5.018	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	2421	3.531	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	16192	4.775	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	15001	4.913	ug/L	99
71) Naphthalene	14.085	128	44464	4.868	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	14718	4.907	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 5.249 ug/L

RT: 1.385 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

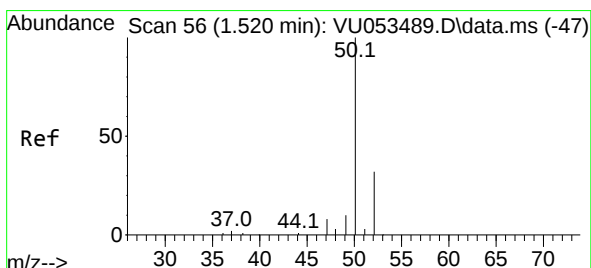
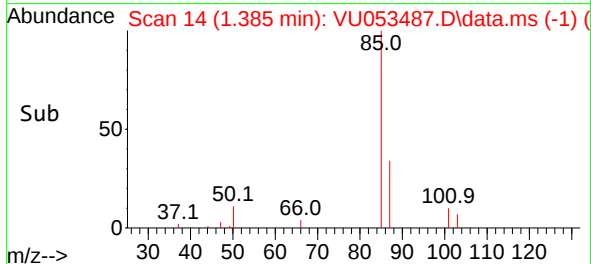
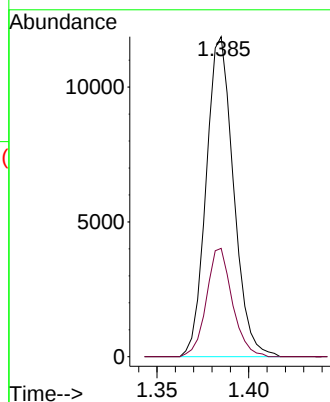
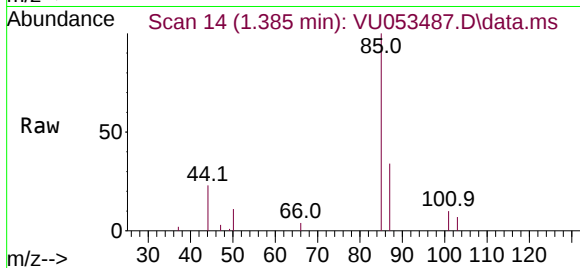
ClientSampleId :

Tgt Ion: 85 Resp: 12301

Ion Ratio Lower Upper

85 100

87 32.0 26.4 39.6



#3

Chloromethane

Concen: 4.643 ug/L

RT: 1.520 min Scan# 56

Delta R.T. -0.000 min

Lab File: VU053487.D

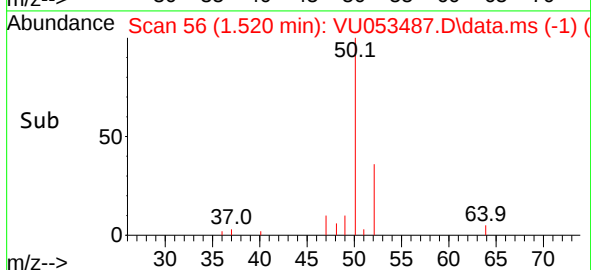
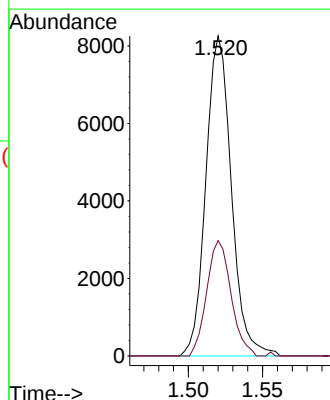
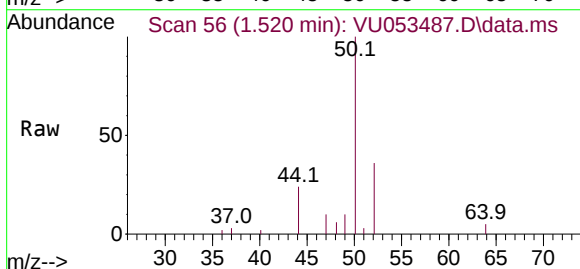
Acq: 31 Mar 2023 12:30

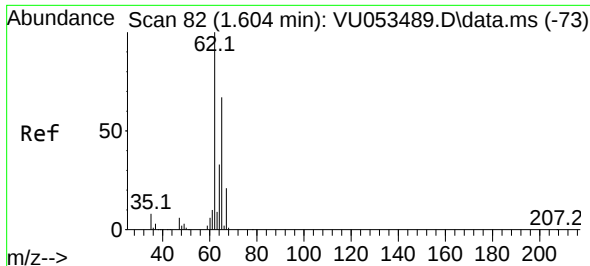
Tgt Ion: 50 Resp: 9878

Ion Ratio Lower Upper

50 100

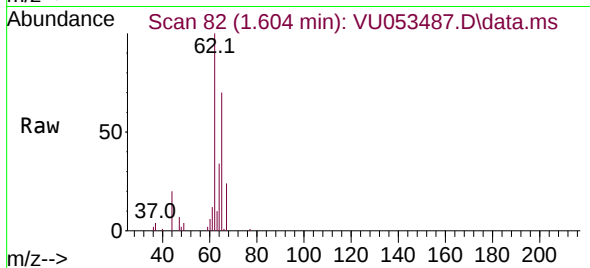
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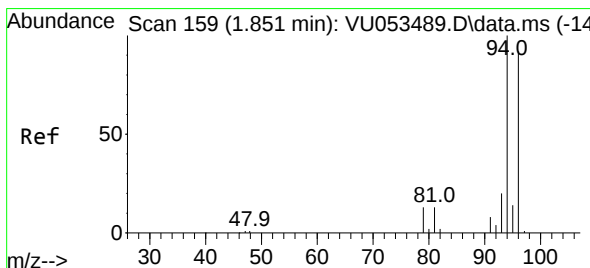
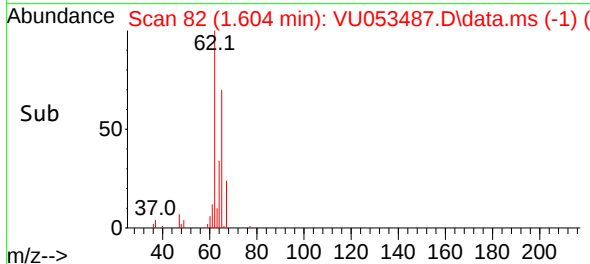
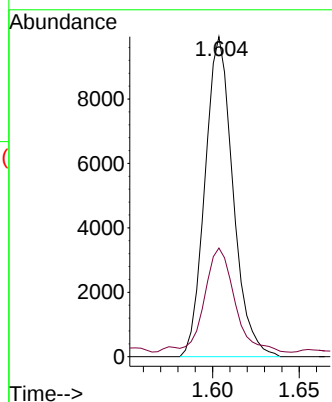


#5
 Vinyl chloride
 Concen: 4.321 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053487.D
 Acq: 31 Mar 2023 12:30

Instrument :
 MSVOA_W
 ClientSampleId :

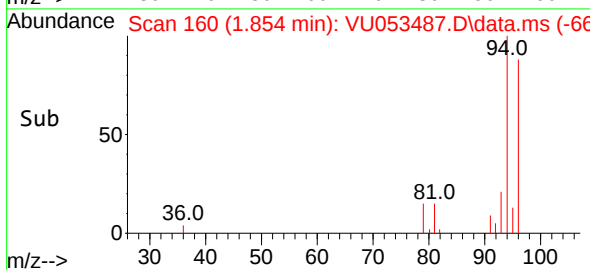
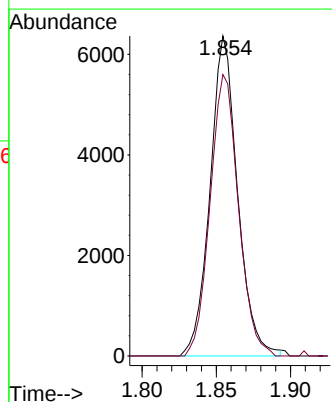
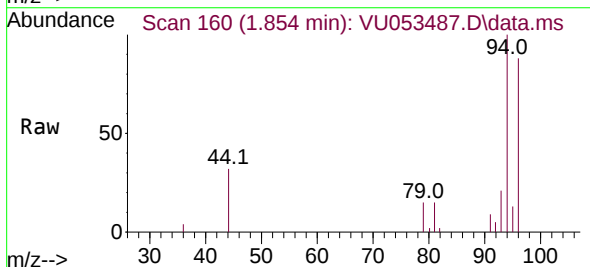


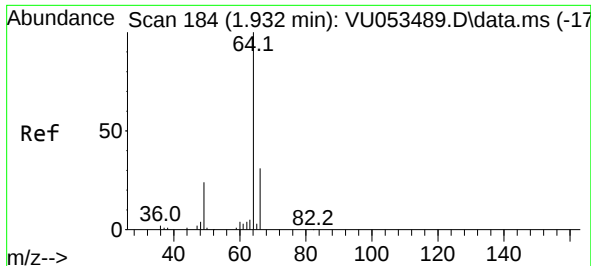
Tgt Ion: 62 Resp: 11171
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 4.567 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053487.D
 Acq: 31 Mar 2023 12:30

Tgt Ion: 94 Resp: 8216
 Ion Ratio Lower Upper
 94 100
 96 87.9 64.4 119.6

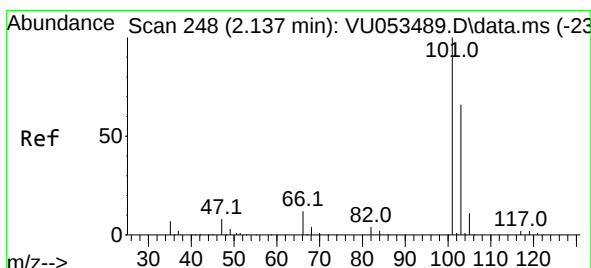
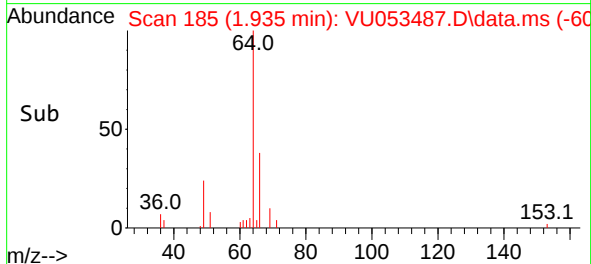
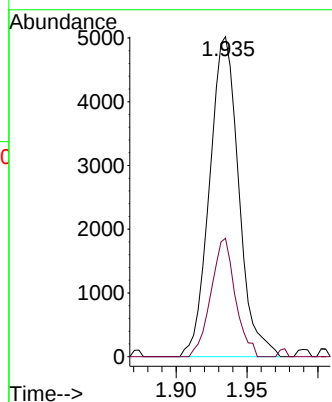
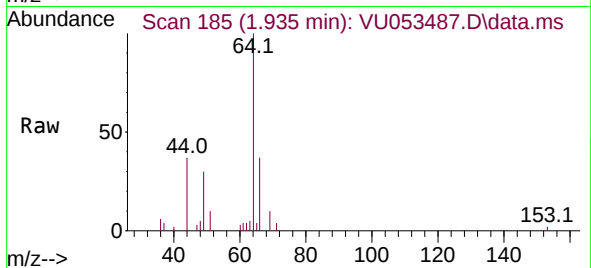




#8
Chloroethane
Concen: 4.583 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

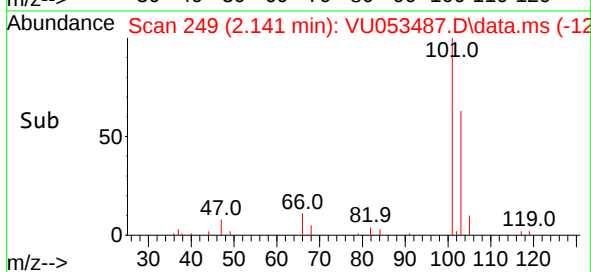
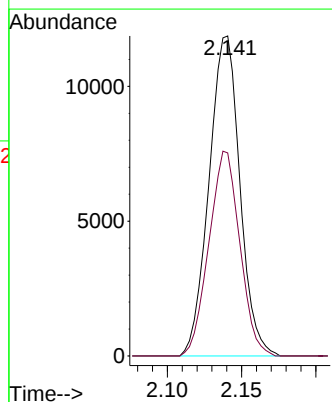
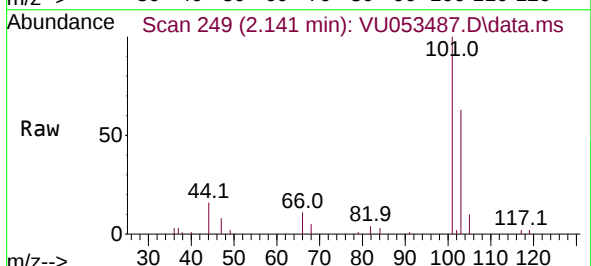
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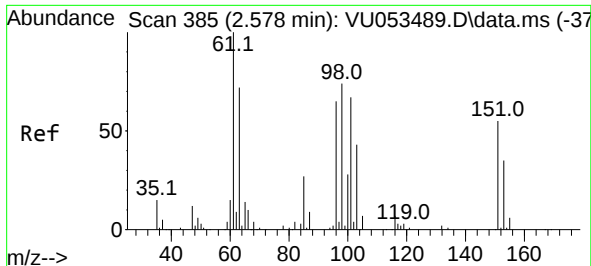
Tgt Ion: 64 Resp: 7200
Ion Ratio Lower Upper
64 100
66 37.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.341 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion: 101 Resp: 17176
Ion Ratio Lower Upper
101 100
103 63.9 52.5 78.7

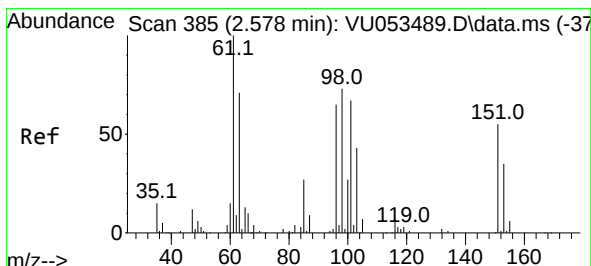
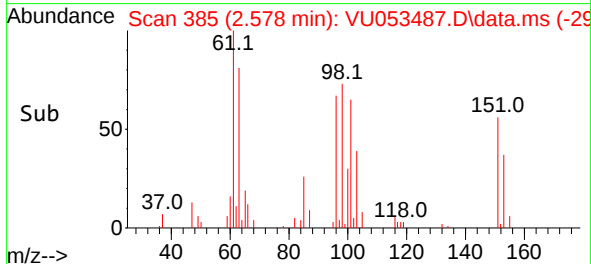
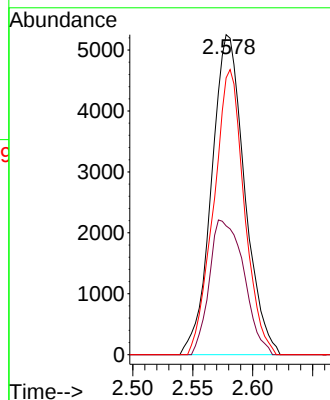
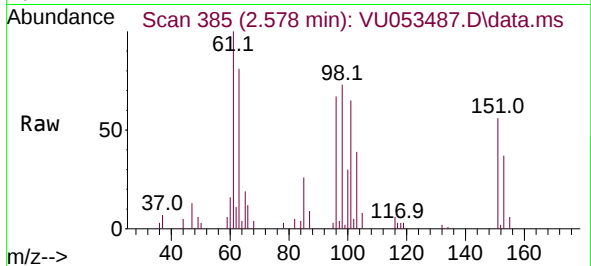




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.900 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053487.D
 Acq: 31 Mar 2023 12:30

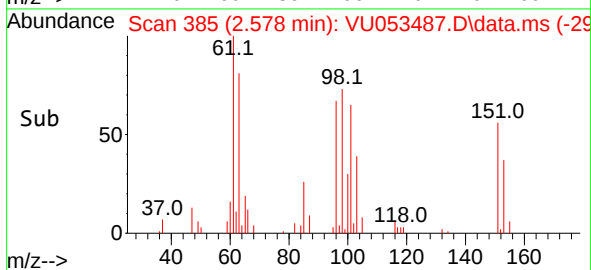
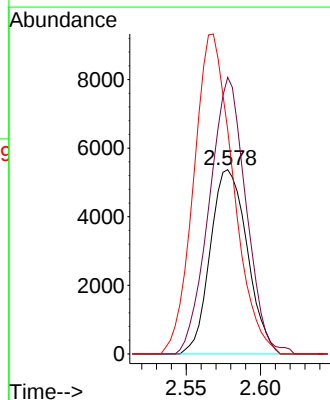
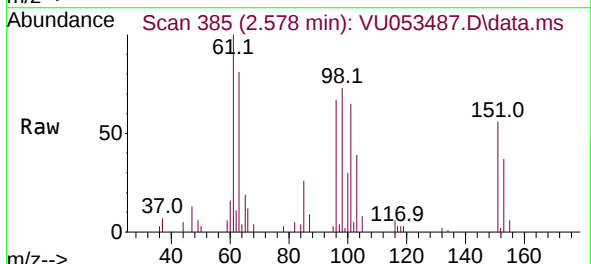
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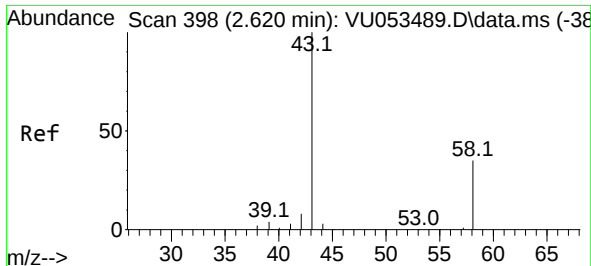
Tgt Ion:101 Resp: 10049
 Ion Ratio Lower Upper
 101 100
 85 43.9 32.6 48.8
 151 82.4 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 4.836 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053487.D
 Acq: 31 Mar 2023 12:30

Tgt Ion: 96 Resp: 9288
 Ion Ratio Lower Upper
 96 100
 61 150.1 107.9 200.5
 63 121.5 79.1 146.9





#13

Acetone

Concen: 8.836 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.010 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

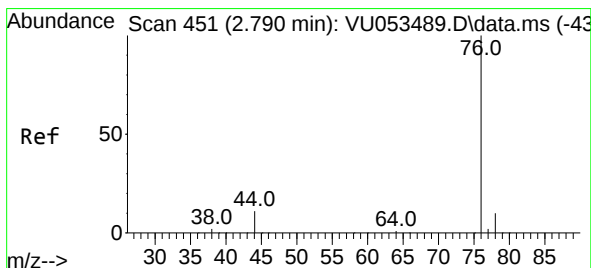
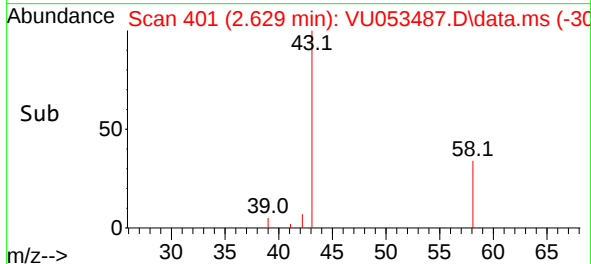
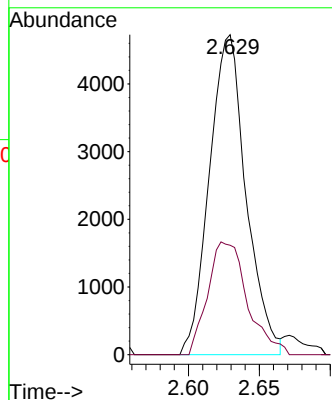
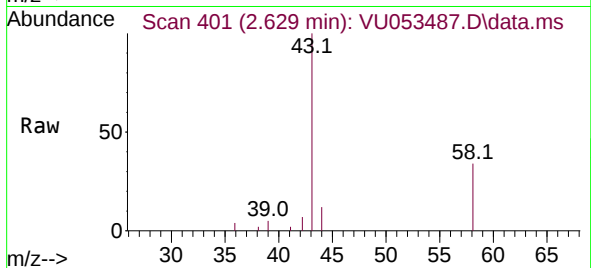
ClientSampleId :

Tgt Ion: 43 Resp: 8517

Ion Ratio Lower Upper

43 100

58 37.9 0.0 70.2



#14

Carbon disulfide

Concen: 4.158 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053487.D

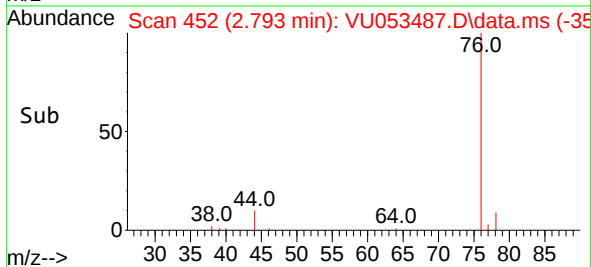
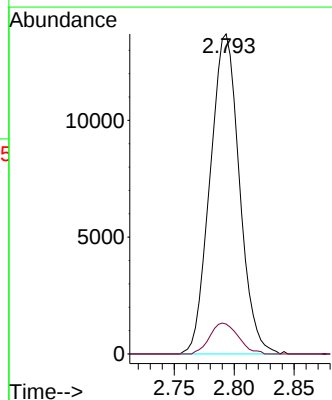
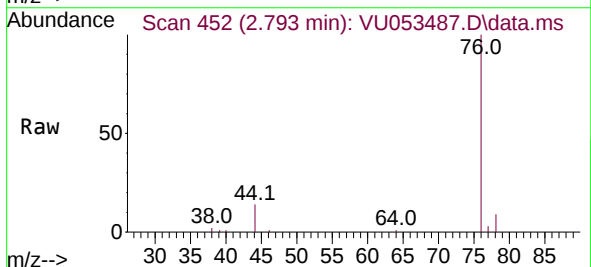
Acq: 31 Mar 2023 12:30

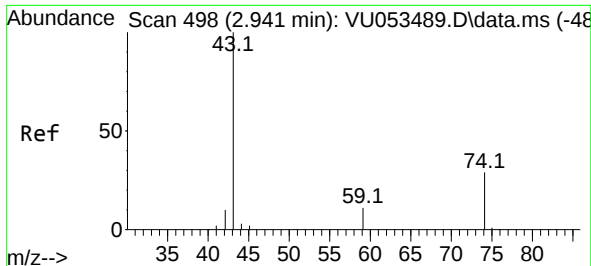
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Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

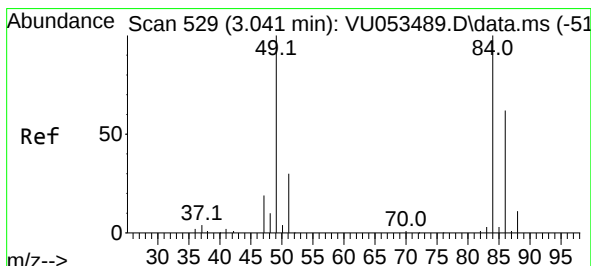
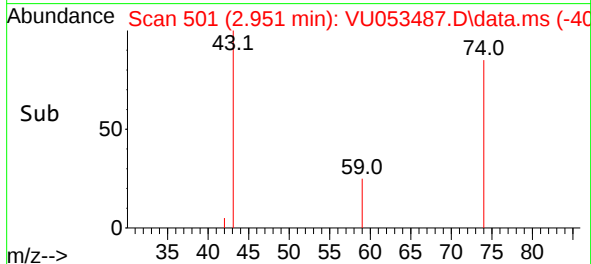
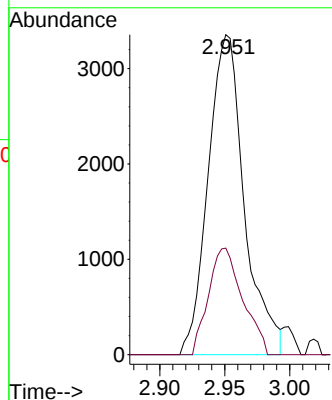
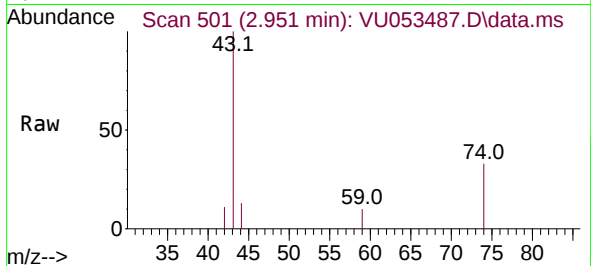




#15
Methyl Acetate
Concen: 4.536 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.010 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

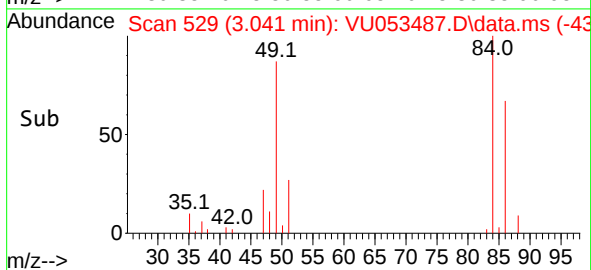
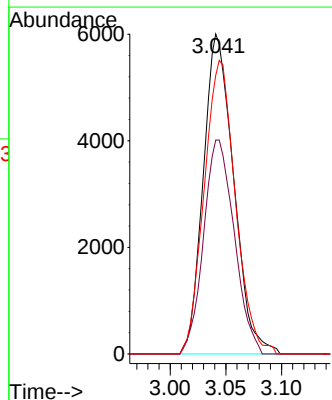
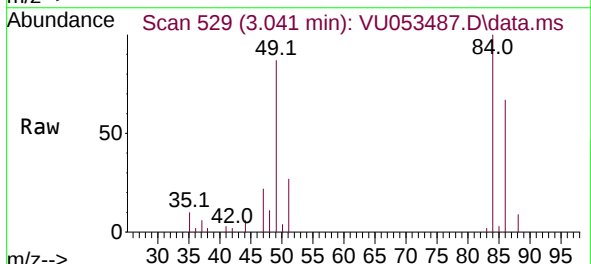
Instrument :
MSVOA_W
ClientSampleId :

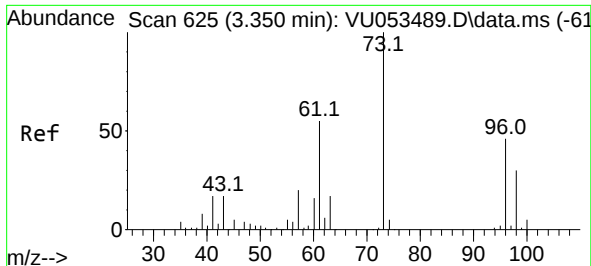
Tgt Ion: 43 Resp: 6500
Ion Ratio Lower Upper
43 100
74 31.4 22.0 33.0



#16
Methylene chloride
Concen: 4.954 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion: 84 Resp: 11374
Ion Ratio Lower Upper
84 100
86 66.8 43.5 80.9
49 87.0 69.7 129.5

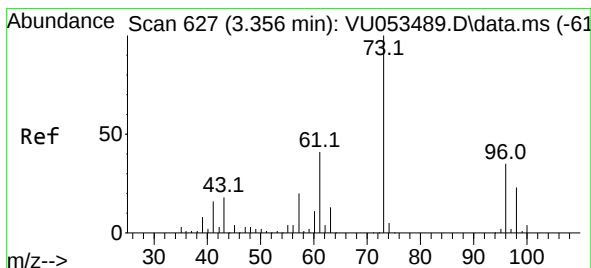
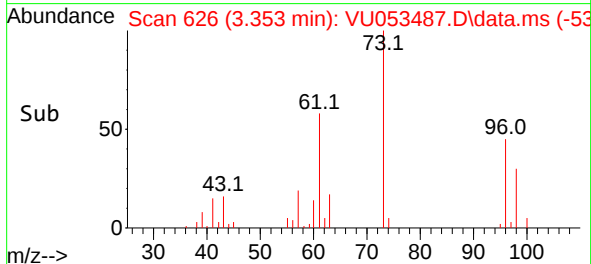
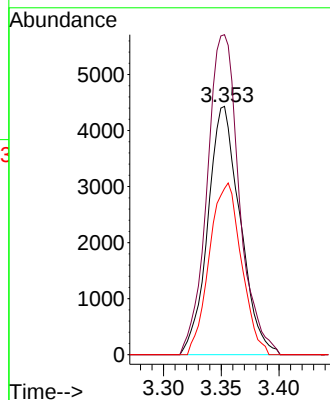
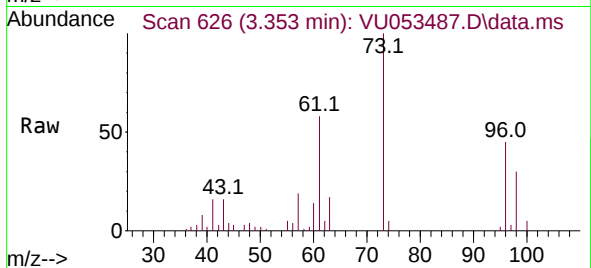




#17
trans-1,2-Dichloroethene
Concen: 4.233 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

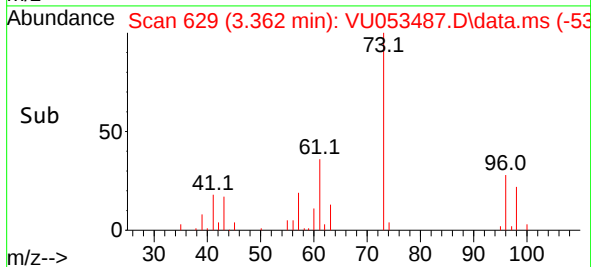
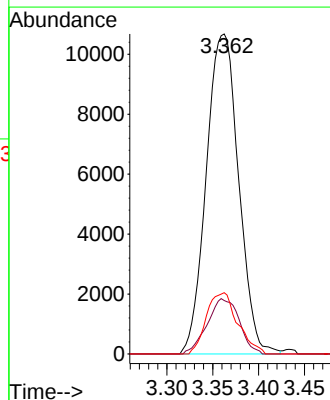
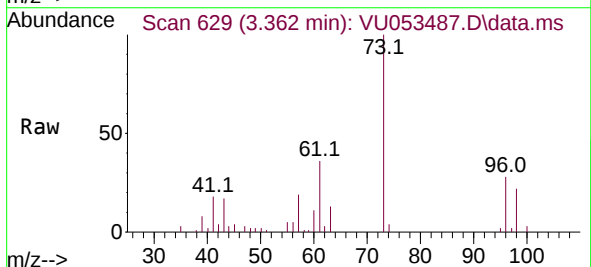
Instrument :
MSVOA_W
ClientSampleId :

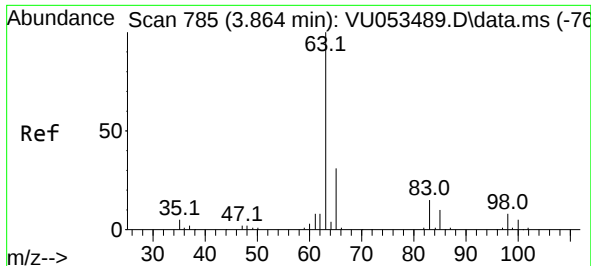
Tgt Ion: 96 Resp: 8630
Ion Ratio Lower Upper
96 100
61 128.9 84.4 156.8
98 67.0 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 4.195 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.006 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion: 73 Resp: 26236
Ion Ratio Lower Upper
73 100
43 17.1 13.8 20.8
57 18.5 15.9 23.9





#19

1,1-Dichloroethane

Concen: 4.201 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :

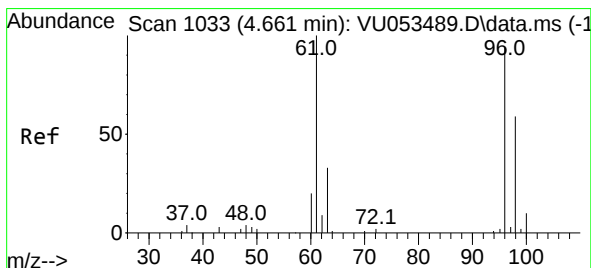
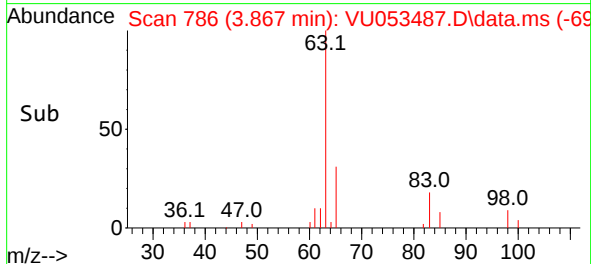
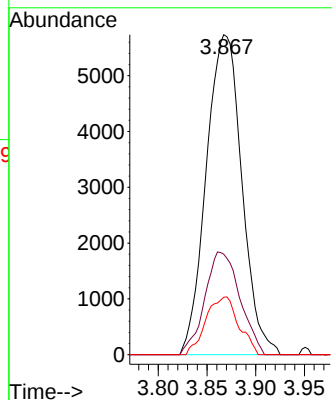
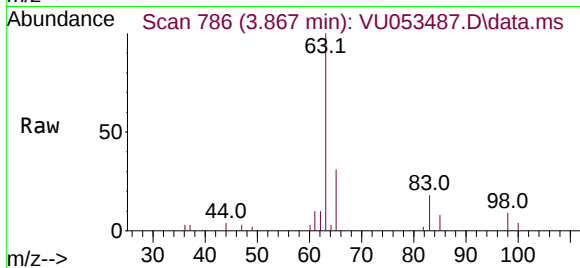
Tgt Ion: 63 Resp: 14566

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 17.9 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 4.426 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

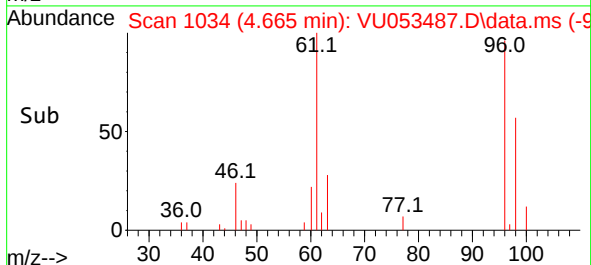
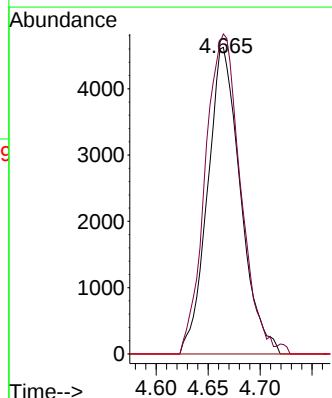
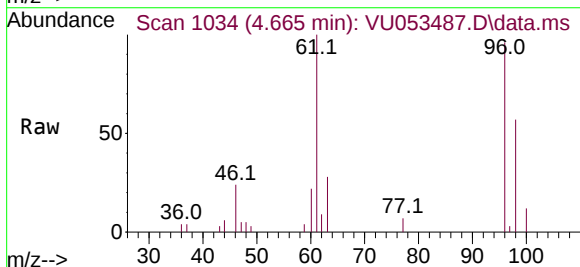
Tgt Ion: 96 Resp: 10188

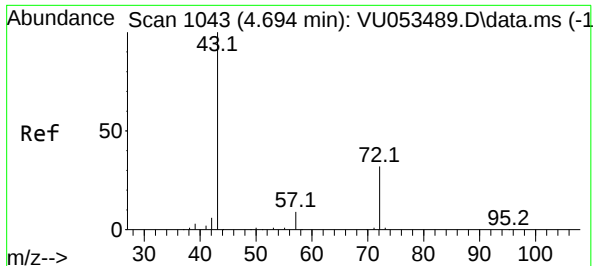
Ion Ratio Lower Upper

96 100

61 104.4 74.7 138.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.345 ug/L

RT: 4.710 min Scan# 1108

Delta R.T. 0.016 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

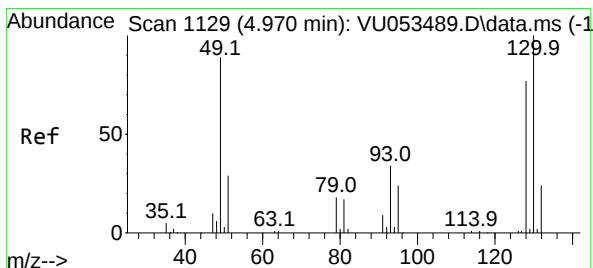
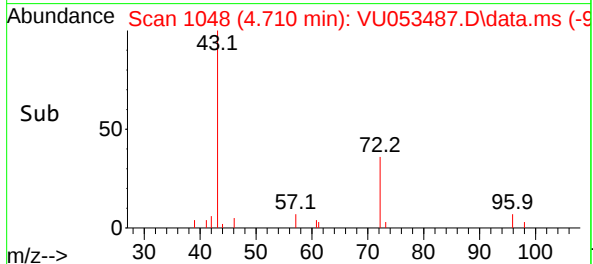
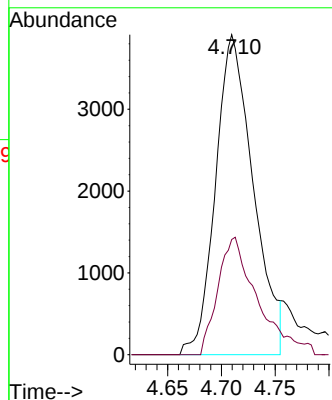
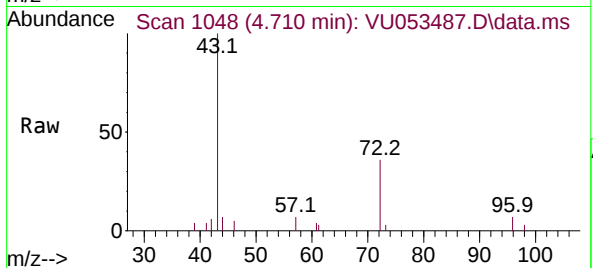
ClientSampleId :

Tgt Ion: 43 Resp: 9537

Ion Ratio Lower Upper

43 100

72 36.1 15.8 47.3



#23

Bromochloromethane

Concen: 4.609 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Tgt Ion: 128 Resp: 5798

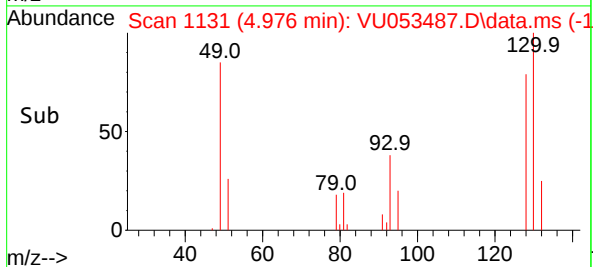
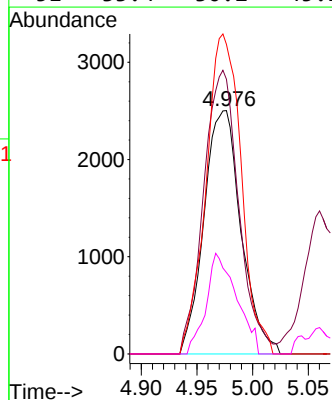
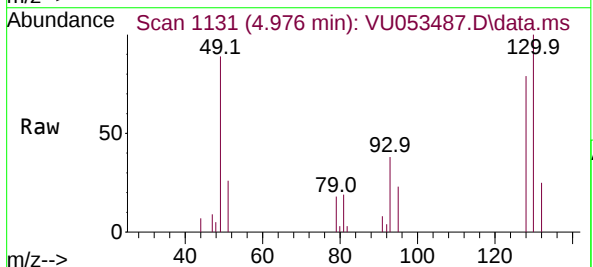
Ion Ratio Lower Upper

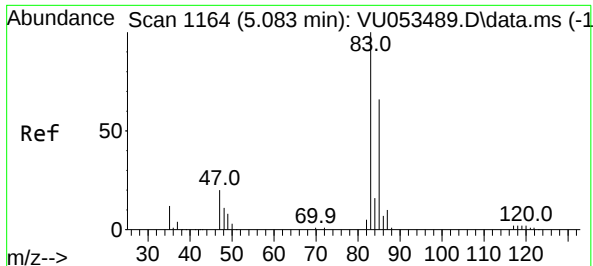
128 100

49 112.9 81.5 151.3

130 127.2 91.8 170.4

51 33.4 30.2 45.2





#25

Chloroform

Concen: 4.430 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

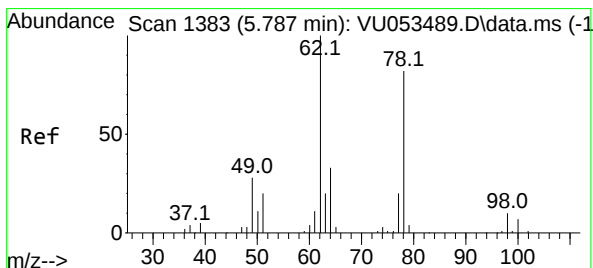
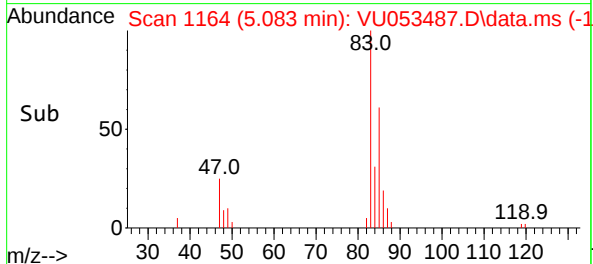
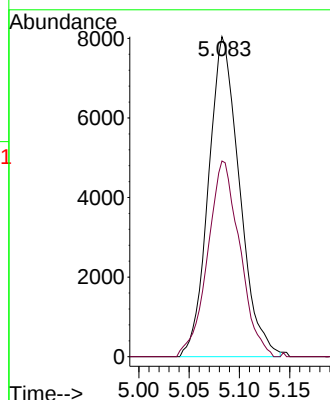
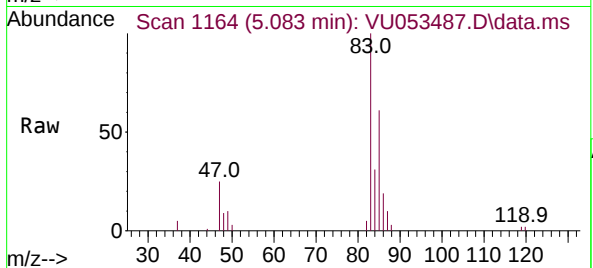
ClientSampleId :

Tgt Ion: 83 Resp: 17272

Ion Ratio Lower Upper

83 100

85 61.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.506 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VU053487.D

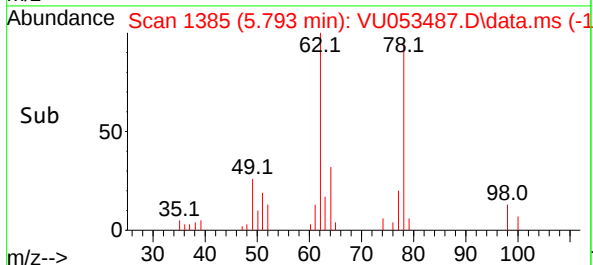
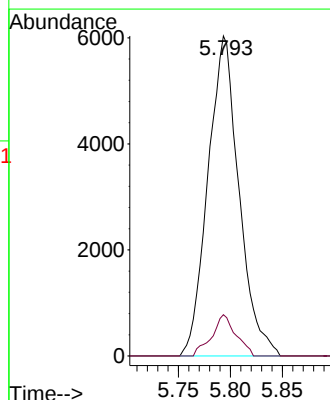
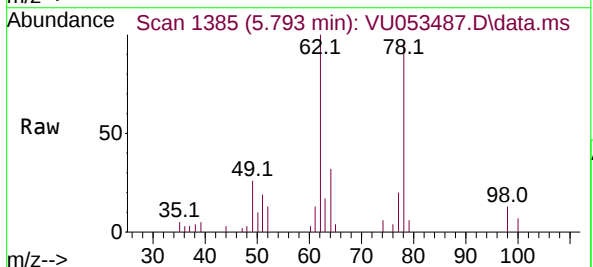
Acq: 31 Mar 2023 12:30

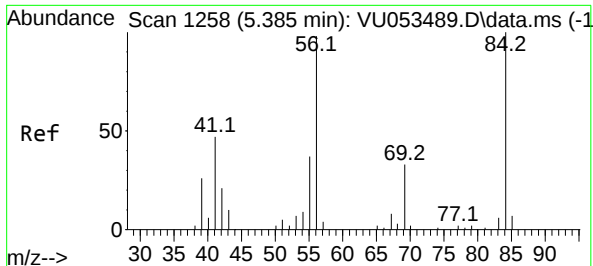
Tgt Ion: 62 Resp: 12540

Ion Ratio Lower Upper

62 100

98 12.9 8.3 12.5#





#29

Cyclohexane

Concen: 4.317 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :

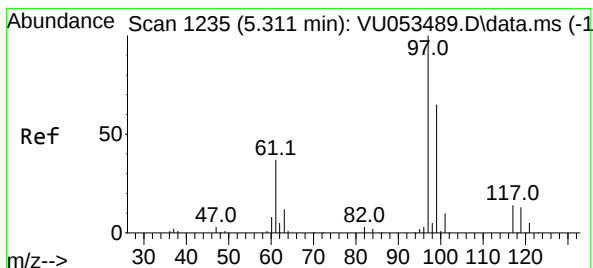
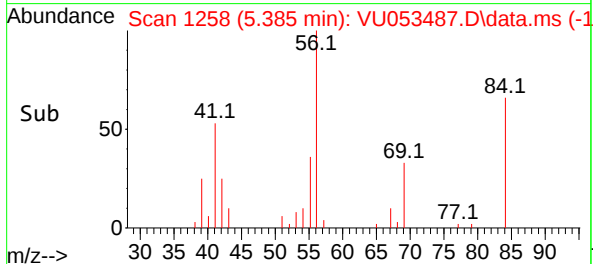
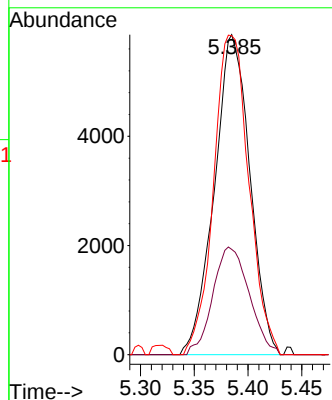
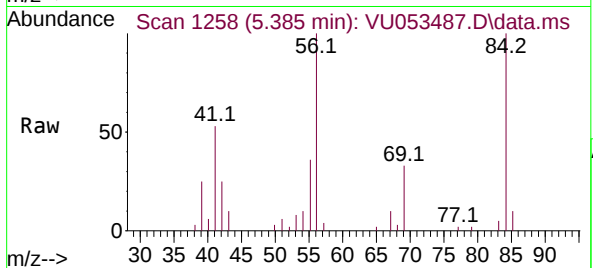
Tgt Ion: 56 Resp: 13462

Ion Ratio Lower Upper

56 100

69 34.4 27.3 40.9

84 99.1 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 4.446 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

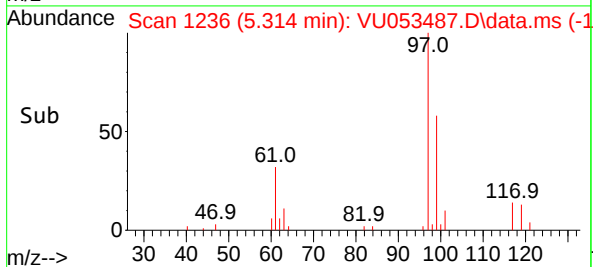
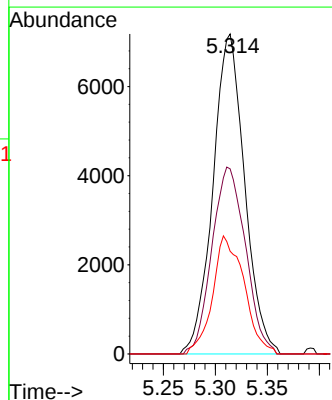
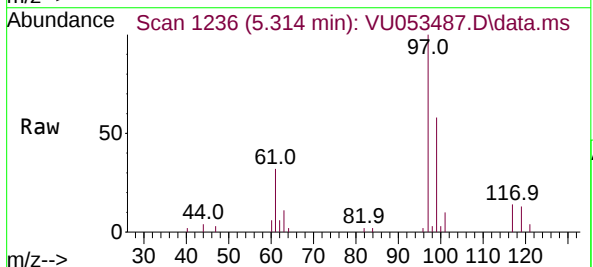
Tgt Ion: 97 Resp: 15243

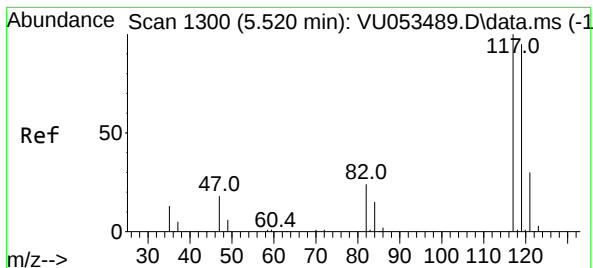
Ion Ratio Lower Upper

97 100

99 61.8 51.6 77.4

61 36.6 31.0 46.4





#31

Carbon tetrachloride

Concen: 4.407 ug/L

RT: 5.523 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

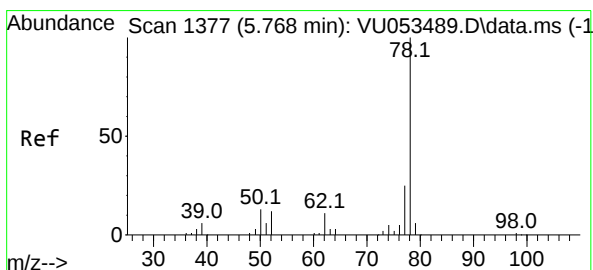
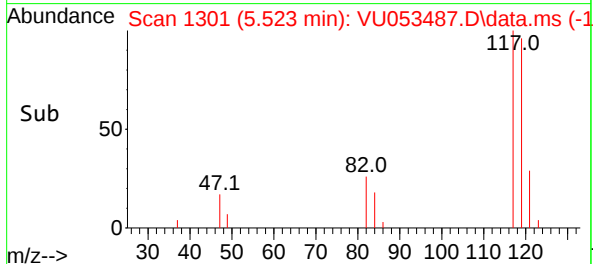
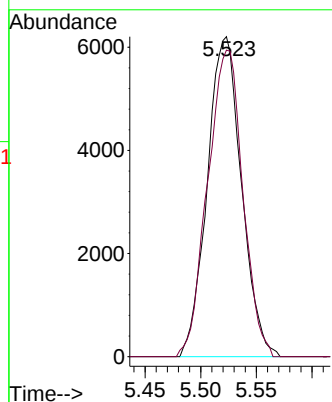
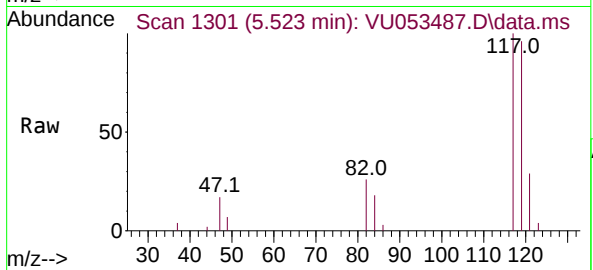
ClientSampleId :

Tgt Ion:117 Resp: 13261

Ion Ratio Lower Upper

117 100

119 98.5 76.9 115.3



#33

Benzene

Concen: 4.332 ug/L

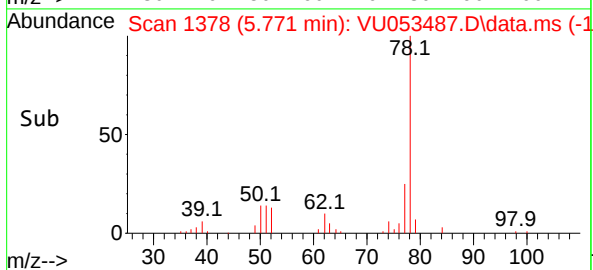
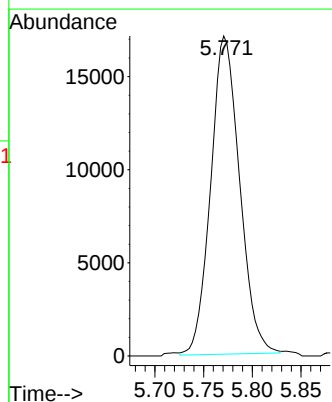
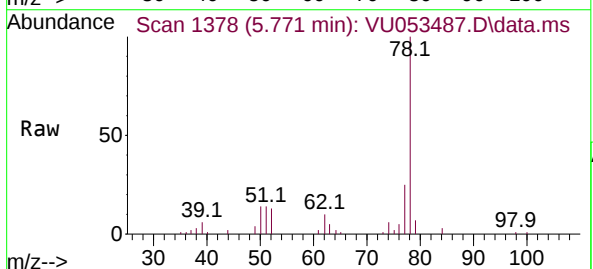
RT: 5.771 min Scan# 1378

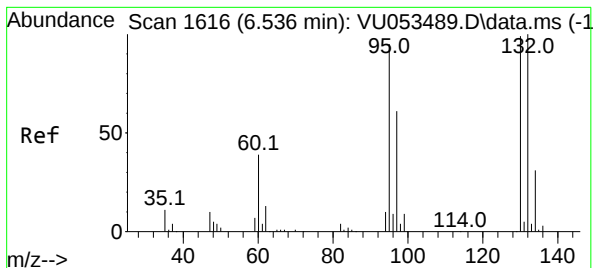
Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Tgt Ion: 78 Resp: 35290





#34

Trichloroethene

Concen: 4.830 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 10910

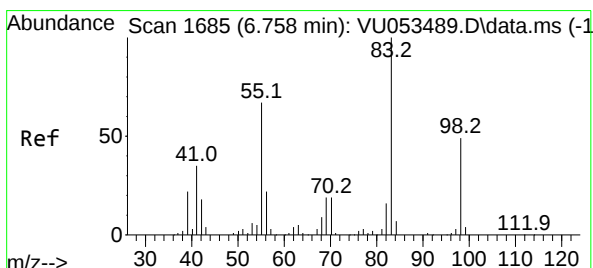
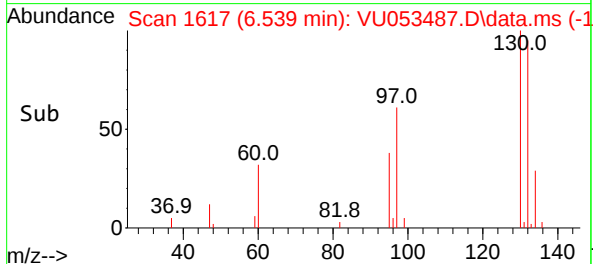
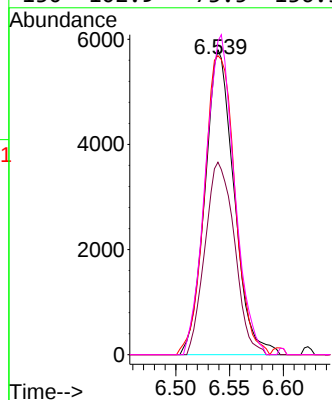
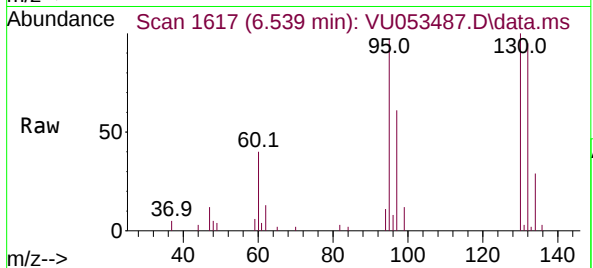
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.7

132 98.1 74.1 137.5

130 102.9 73.5 136.5



#35

Methylcyclohexane

Concen: 4.122 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

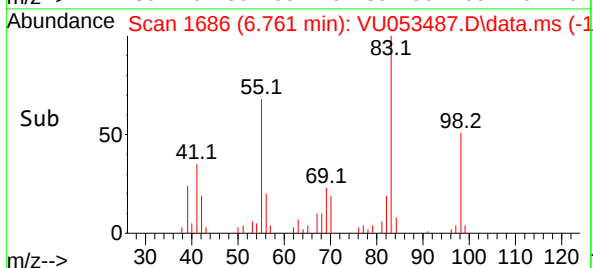
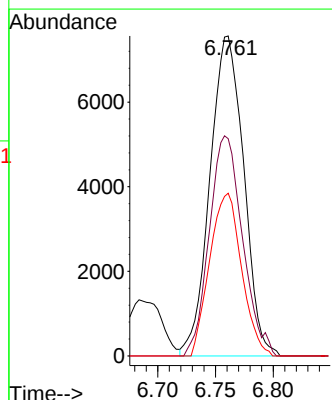
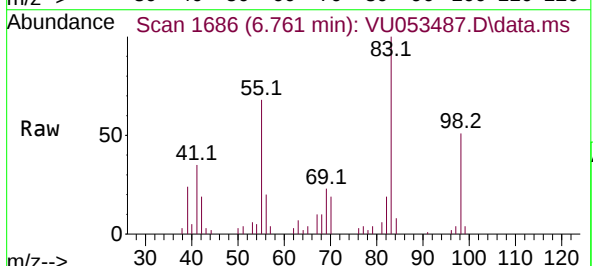
Tgt Ion: 83 Resp: 15410

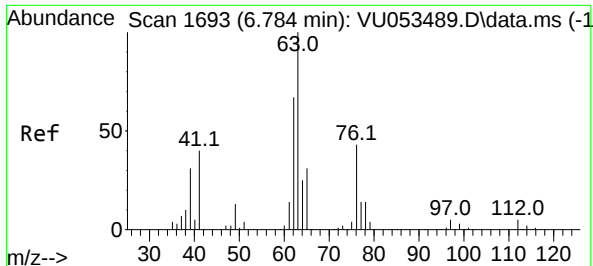
Ion Ratio Lower Upper

83 100

55 67.6 53.0 79.6

98 48.0 39.0 58.6





#37

1,2-Dichloropropane

Concen: 4.470 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

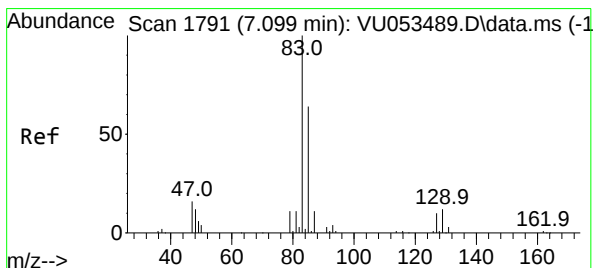
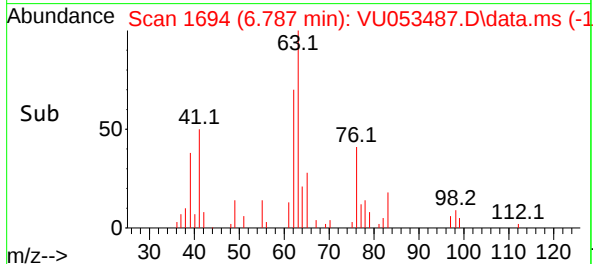
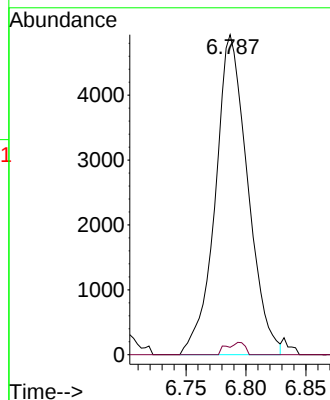
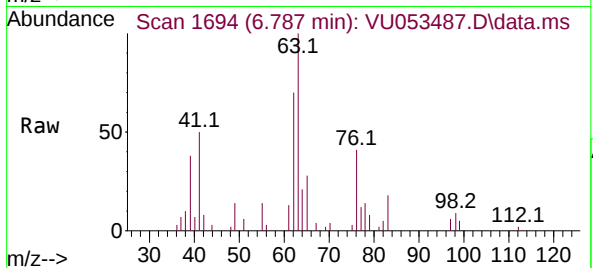
ClientSampleId :

Tgt Ion: 63 Resp: 9261

Ion Ratio Lower Upper

63 100

112 1.4 3.8 5.6#



#38

Bromodichloromethane

Concen: 3.875 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

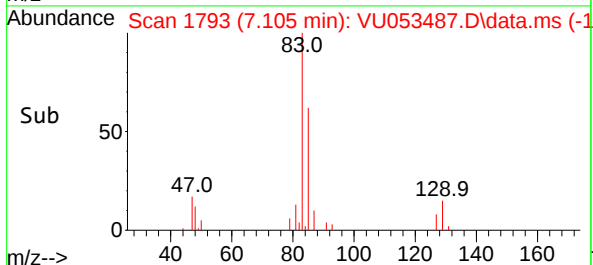
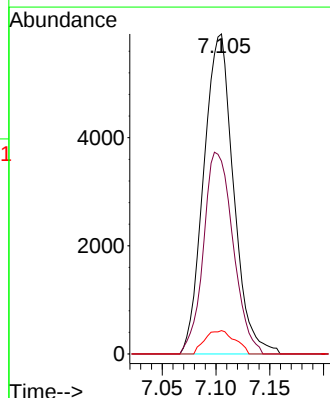
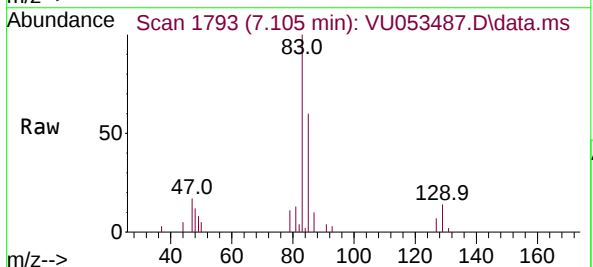
Tgt Ion: 83 Resp: 11402

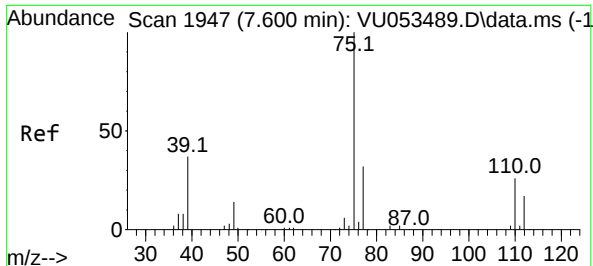
Ion Ratio Lower Upper

83 100

85 60.2 44.4 82.5

127 7.3 8.0 12.0#





#39

cis-1,3-Dichloropropene

Concen: 3.941 ug/L

RT: 7.603 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

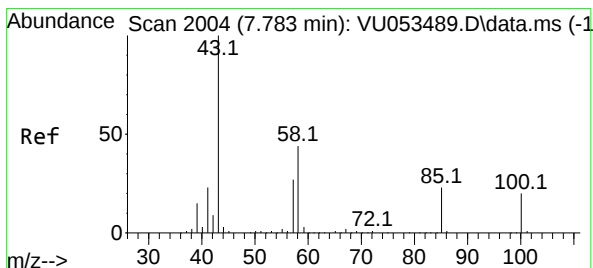
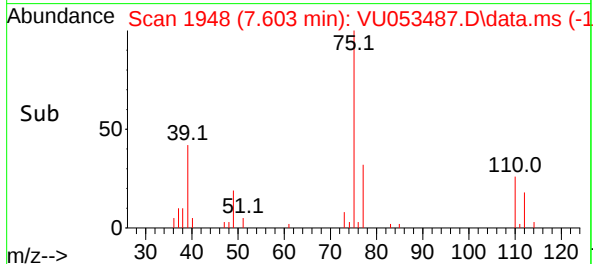
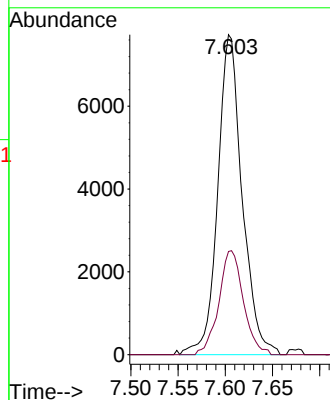
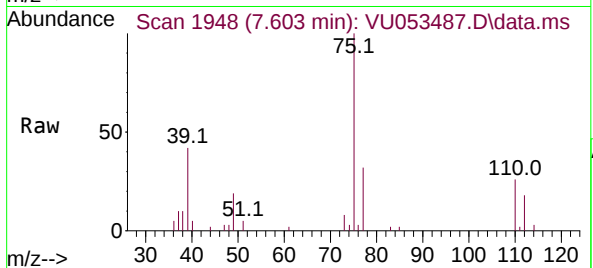
ClientSampleId :

Tgt Ion: 75 Resp: 13897

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 8.660 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

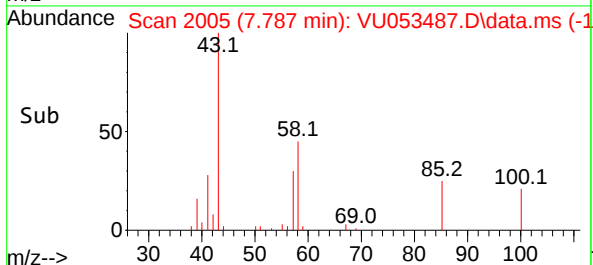
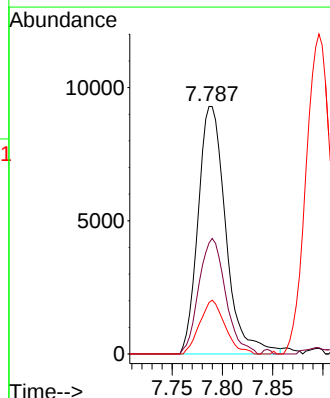
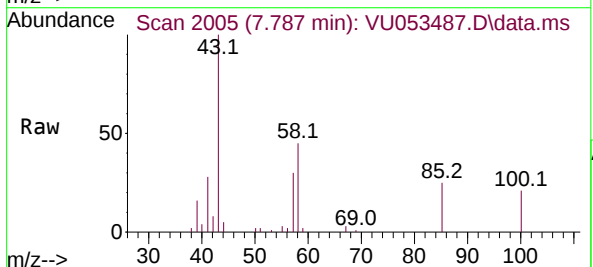
Tgt Ion: 43 Resp: 17788

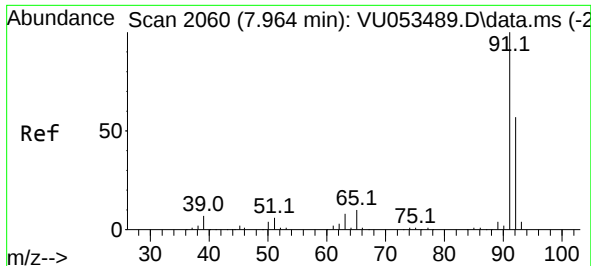
Ion Ratio Lower Upper

43 100

58 45.0 35.5 53.3

100 19.9 15.8 23.8





#42

Toluene

Concen: 4.266 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

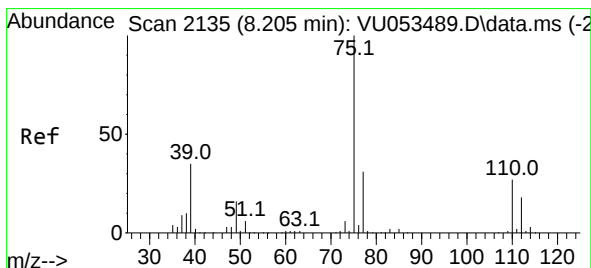
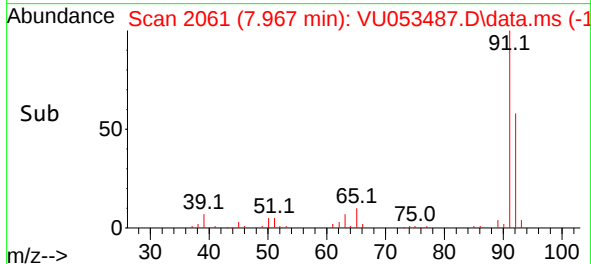
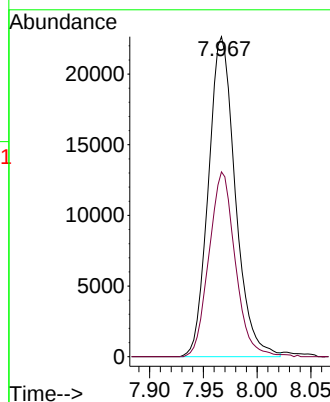
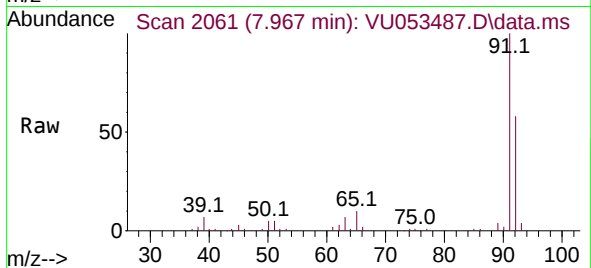
ClientSampleId :

Tgt Ion: 91 Resp: 39395

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 3.646 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.006 min

Lab File: VU053487.D

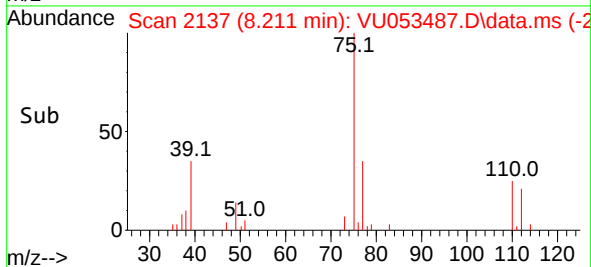
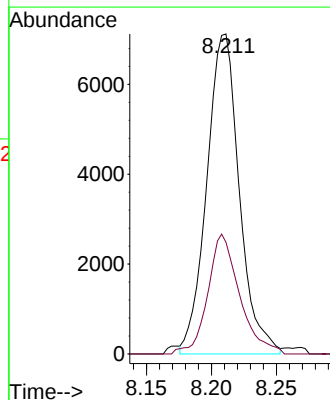
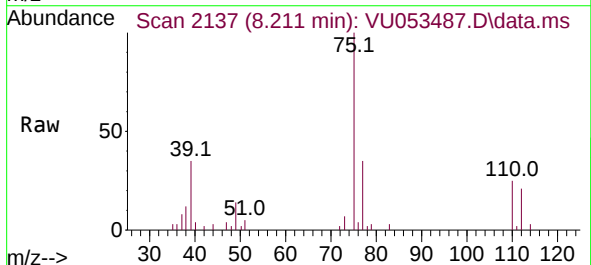
Acq: 31 Mar 2023 12:30

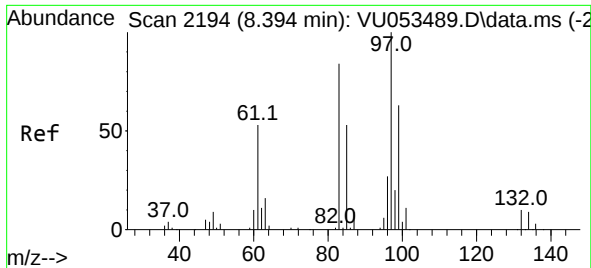
Tgt Ion: 75 Resp: 12413

Ion Ratio Lower Upper

75 100

77 34.9 21.8 40.4

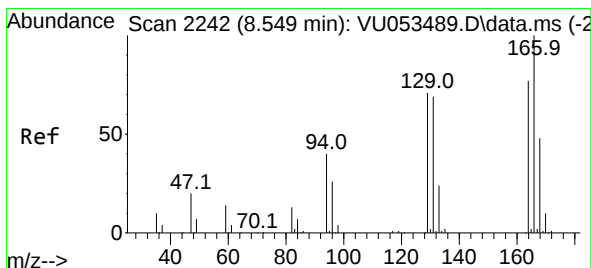
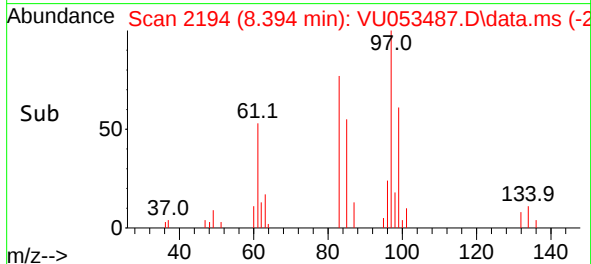
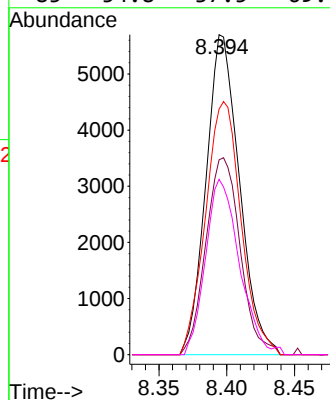
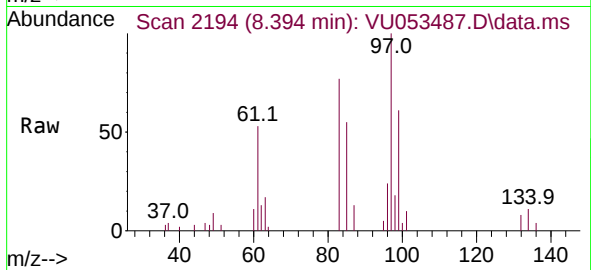




#45
1,1,2-Trichloroethane
Concen: 4.523 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

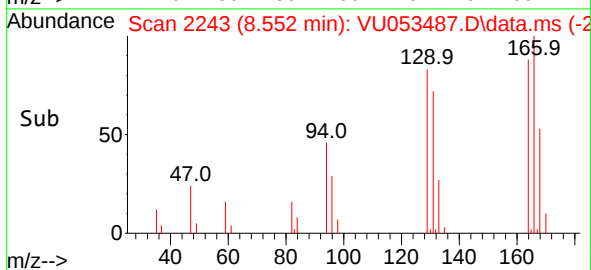
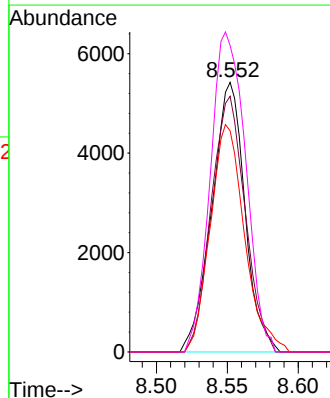
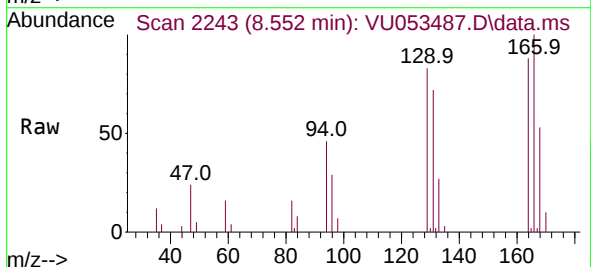
Instrument :
MSVOA_W
ClientSampleId :

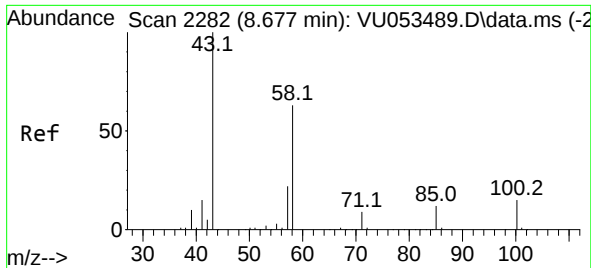
Tgt Ion:	97	Resp:	9780
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.8	81.3
83	76.8	59.0	109.6
85	54.8	37.5	69.7



#46
Tetrachloroethene
Concen: 4.888 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion:	164	Resp:	8816
Ion	Ratio	Lower	Upper
164	100		
129	94.8	64.0	119.0
131	82.0	61.9	115.1
166	113.6	90.6	168.2





#48

2-Hexanone

Concen: 8.156 ug/L

RT: 8.681 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 13323

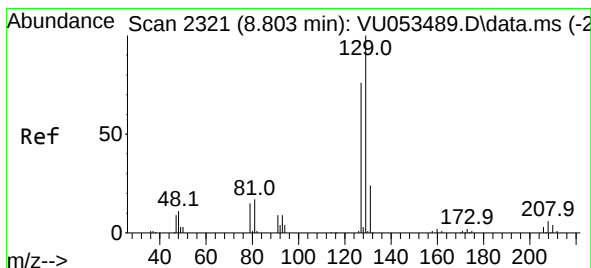
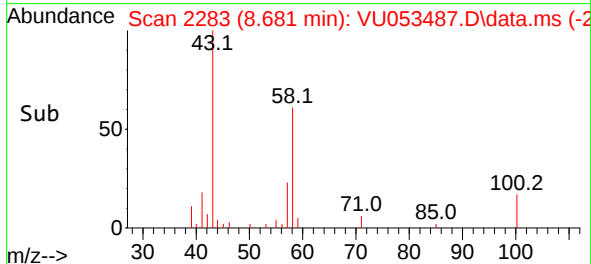
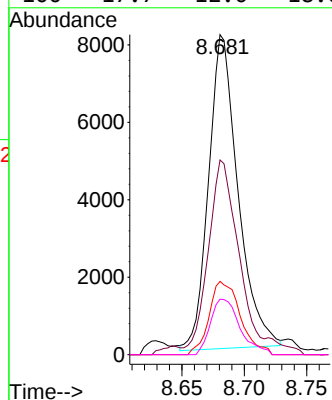
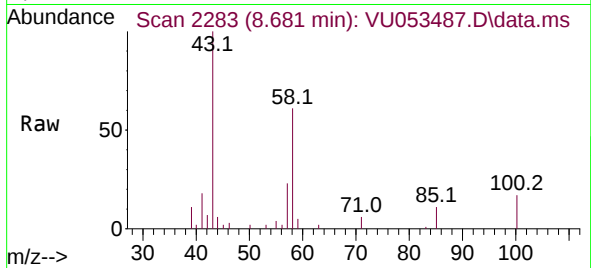
Ion Ratio Lower Upper

43 100

58 59.3 49.8 74.6

57 24.7 17.8 26.6

100 17.7 12.0 18.0



#49

Dibromochloromethane

Concen: 3.654 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. 0.003 min

Lab File: VU053487.D

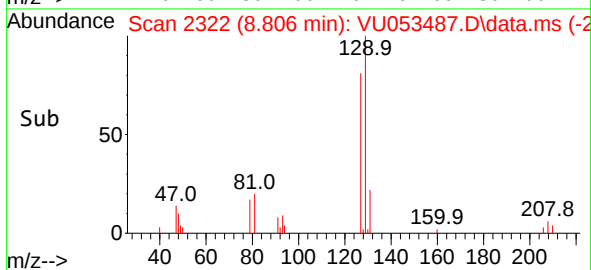
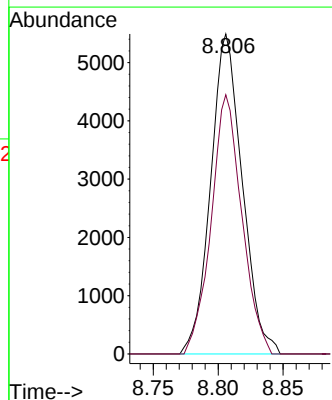
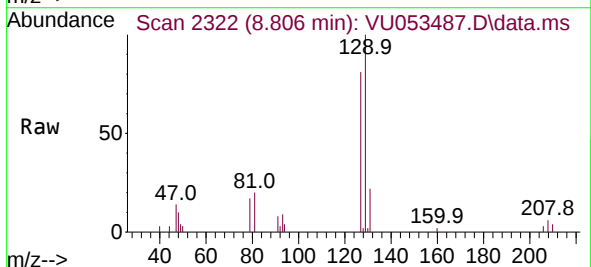
Acq: 31 Mar 2023 12:30

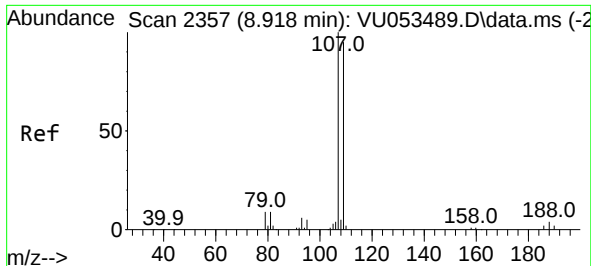
Tgt Ion:129 Resp: 9291

Ion Ratio Lower Upper

129 100

127 81.0 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.366 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

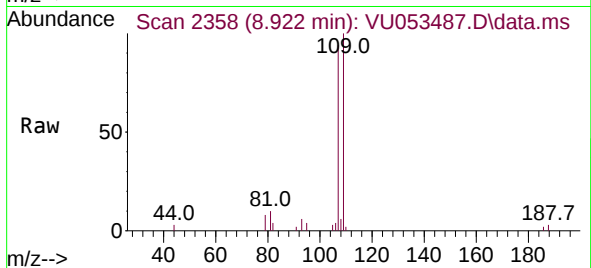
Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :



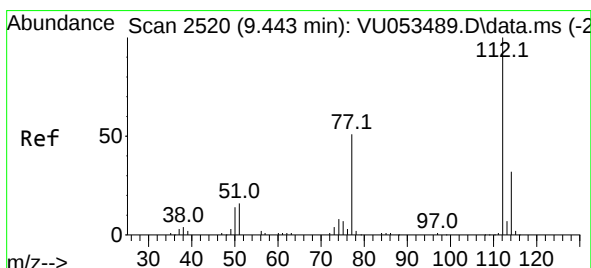
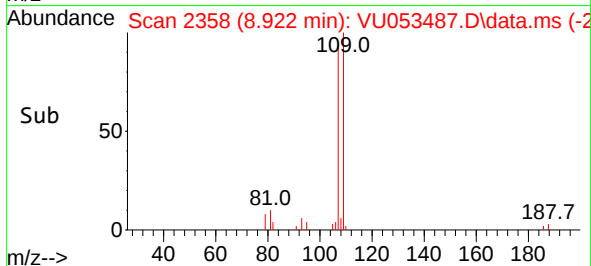
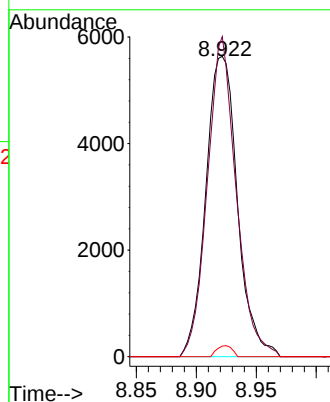
Tgt Ion:107 Resp: 10330

Ion Ratio Lower Upper

107 100

109 106.5 66.3 123.1

188 3.5 3.0 4.4



#51

Chlorobenzene

Concen: 4.752 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

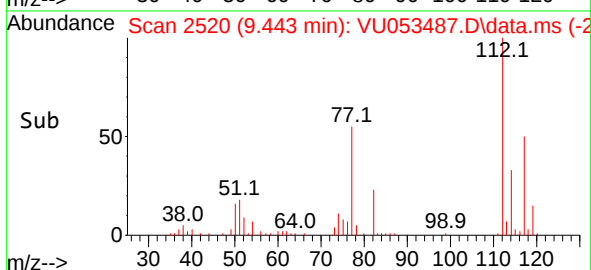
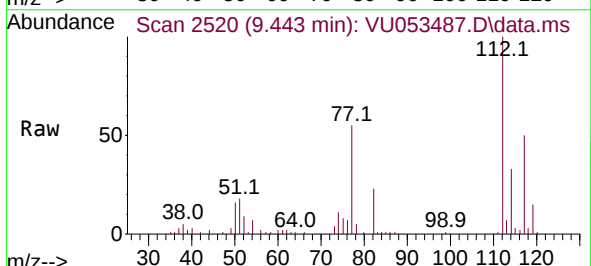
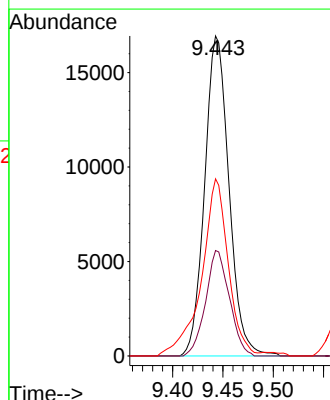
Tgt Ion:112 Resp: 28494

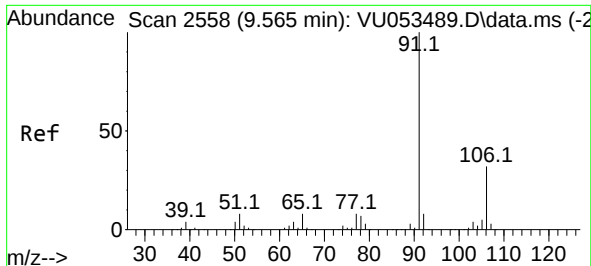
Ion Ratio Lower Upper

112 100

114 32.9 22.2 41.2

77 55.4 41.3 61.9

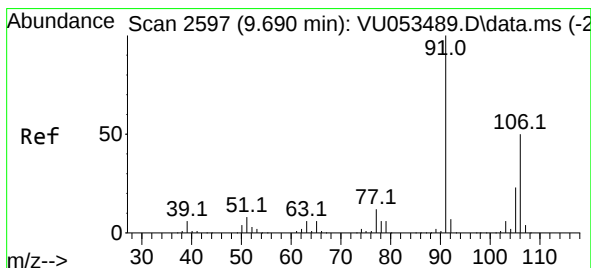
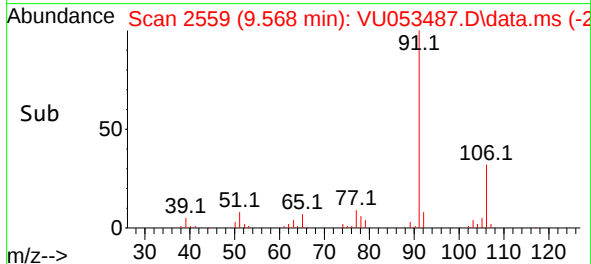
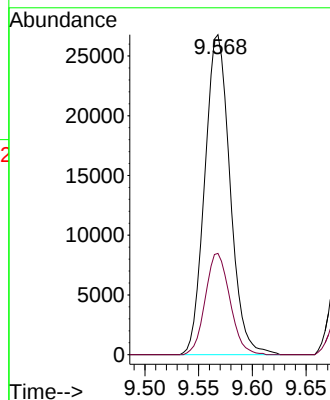
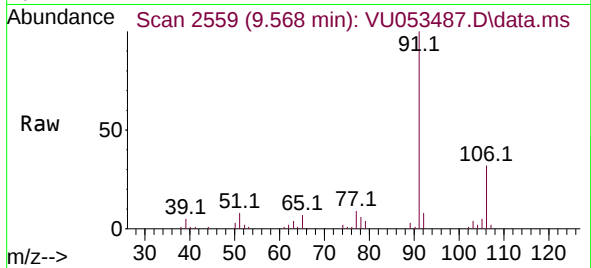




#52
Ethylbenzene
Concen: 4.301 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

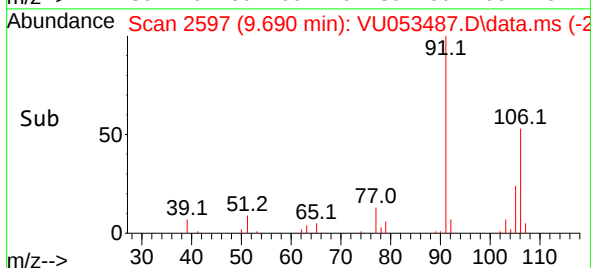
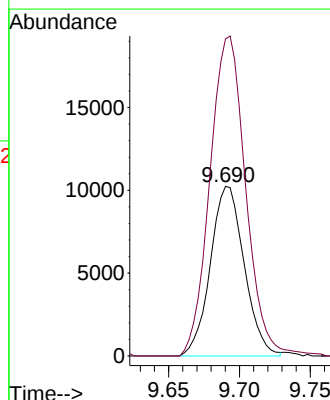
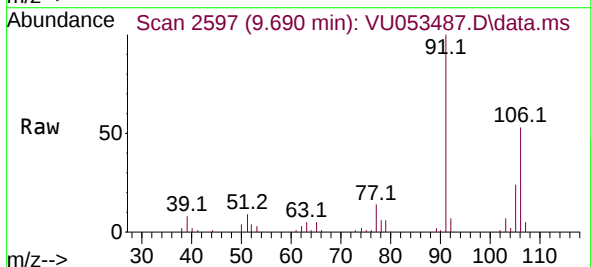
Instrument :
MSVOA_W
ClientSampleId :

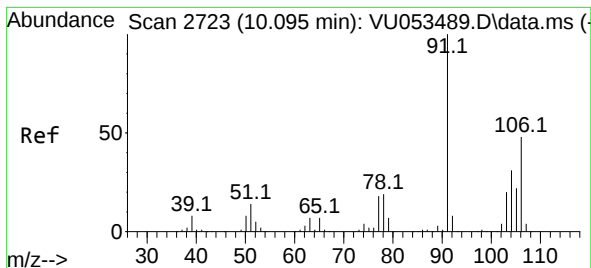
Tgt Ion: 91 Resp: 43774
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-Xylene
Concen: 4.237 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion:106 Resp: 16986
Ion Ratio Lower Upper
106 100
91 186.9 140.0 260.0





#54

o-xylene

Concen: 4.153 ug/L

RT: 10.098 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

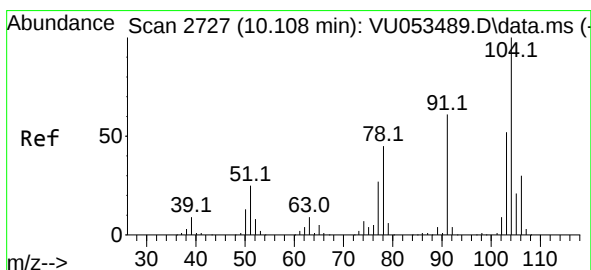
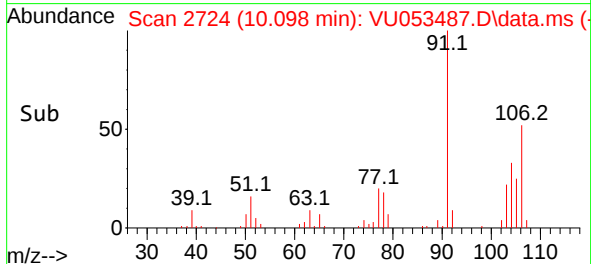
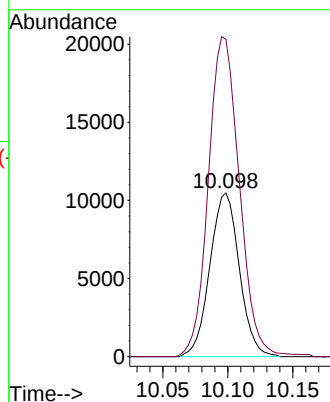
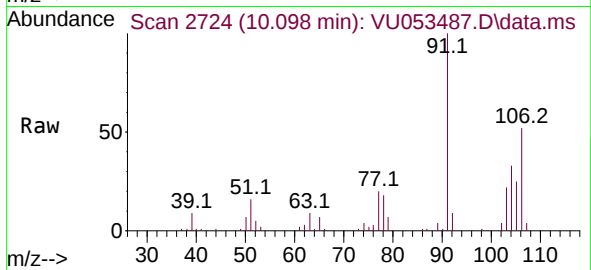
ClientSampleId :

Tgt Ion:106 Resp: 16510

Ion Ratio Lower Upper

106 100

91 193.6 144.9 269.1



#55

Styrene

Concen: 3.730 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053487.D

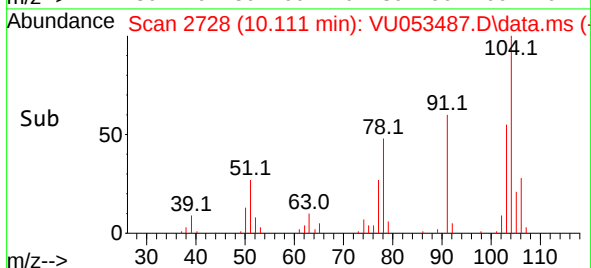
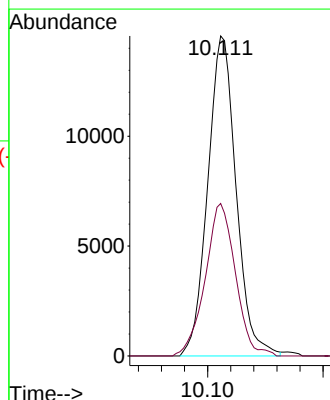
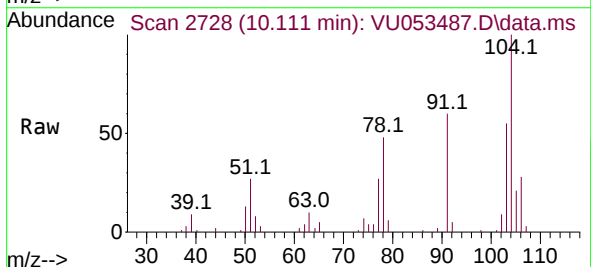
Acq: 31 Mar 2023 12:30

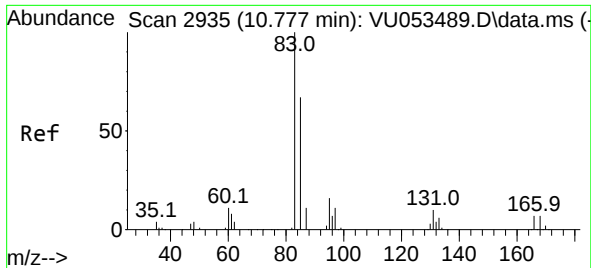
Tgt Ion:104 Resp: 24837

Ion Ratio Lower Upper

104 100

78 47.6 31.3 58.1

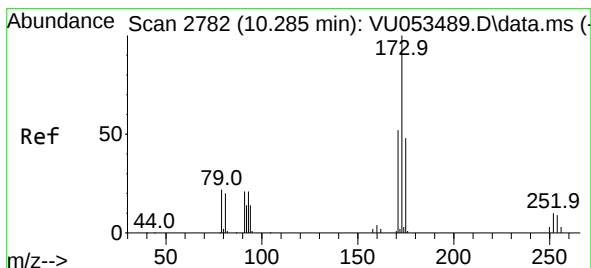
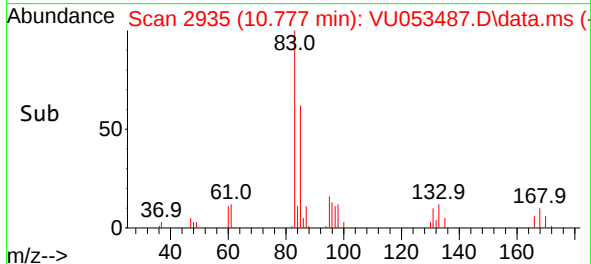
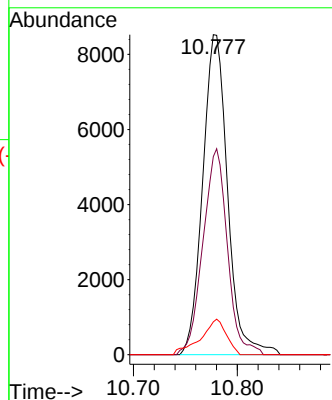
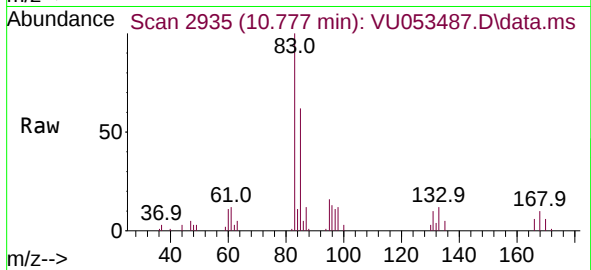




#57
1,1,2,2-Tetrachloroethane
Concen: 4.273 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

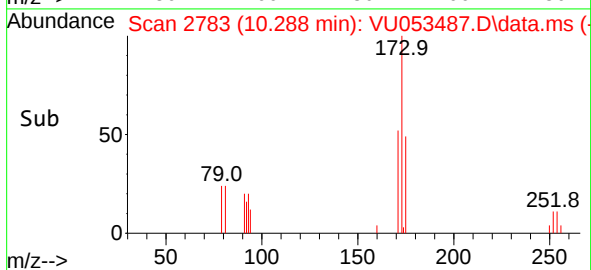
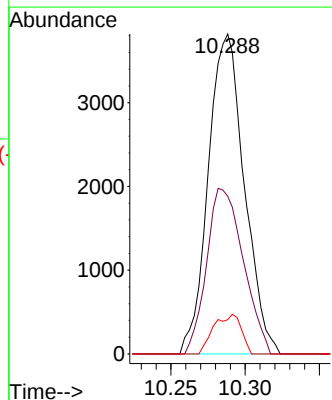
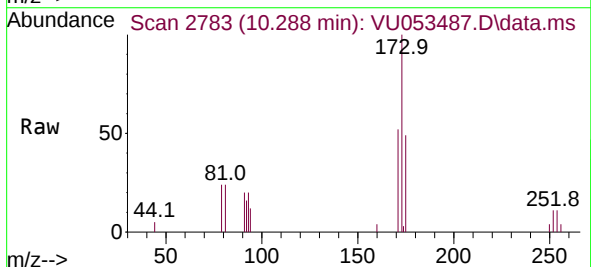
Instrument :
MSVOA_W
ClientSampleId :

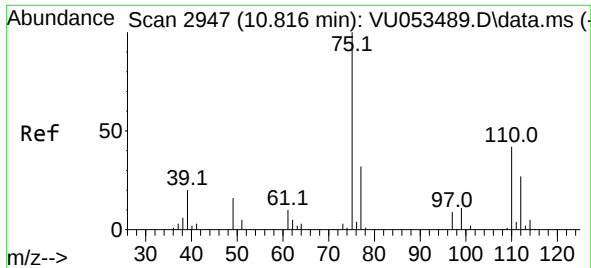
Tgt Ion: 83 Resp: 14194
Ion Ratio Lower Upper
83 100
85 61.9 47.0 87.4
131 10.2 8.7 13.1



#59
Bromoform
Concen: 3.594 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion:173 Resp: 6450
Ion Ratio Lower Upper
173 100
175 0.0 39.0 58.6#
254 5.1 7.0 10.4#

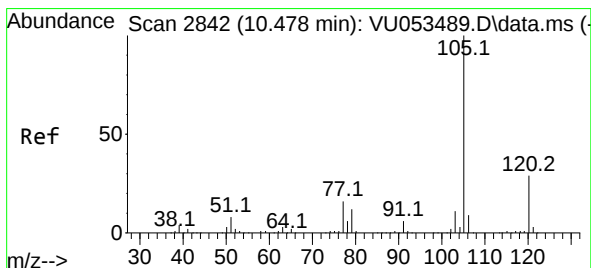
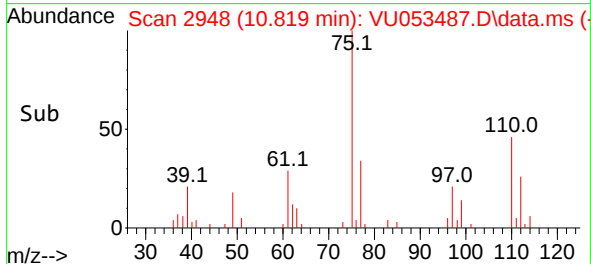
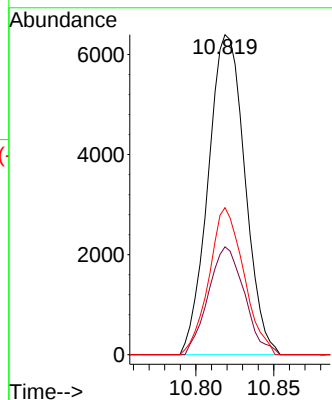
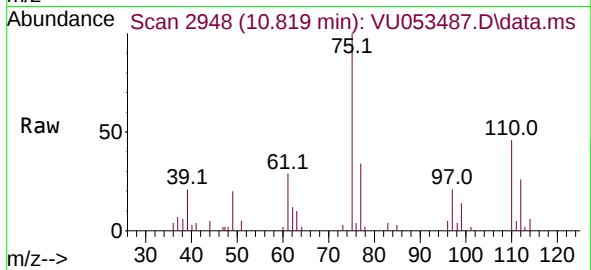




#60
1,2,3-Trichloropropane
Concen: 4.541 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

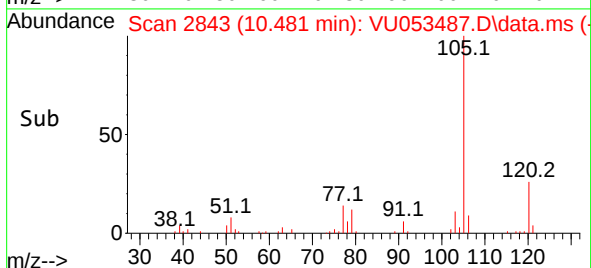
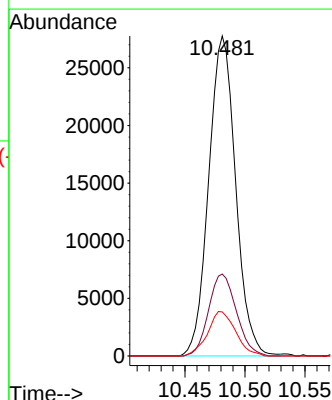
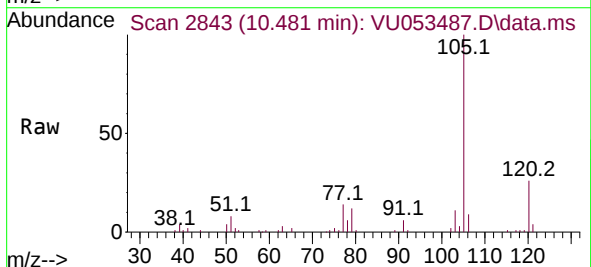
Instrument :
MSVOA_W
ClientSampleId :

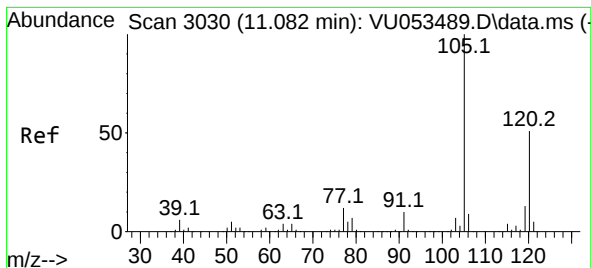
Tgt Ion: 75 Resp: 10480
Ion Ratio Lower Upper
75 100
77 33.1 26.0 39.0
110 43.5 32.6 48.8



#61
Isopropylbenzene
Concen: 4.509 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion: 105 Resp: 43327
Ion Ratio Lower Upper
105 100
120 26.4 22.4 33.6
77 14.5 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 4.097 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

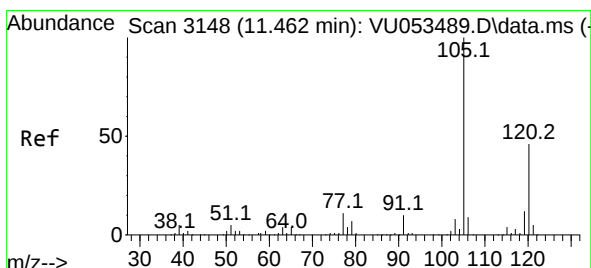
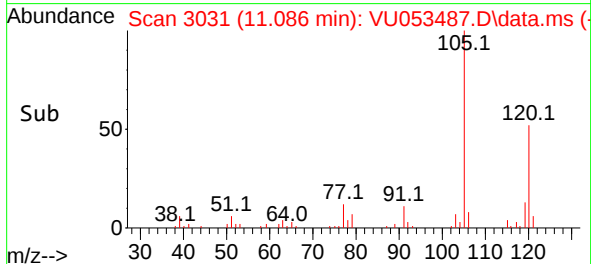
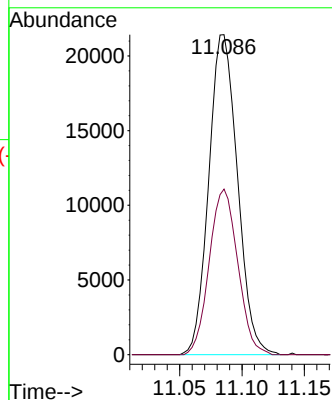
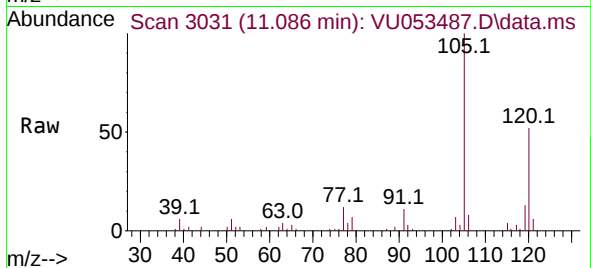
ClientSampleId :

Tgt Ion:105 Resp: 34390

Ion Ratio Lower Upper

105 100

120 51.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 4.114 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU053487.D

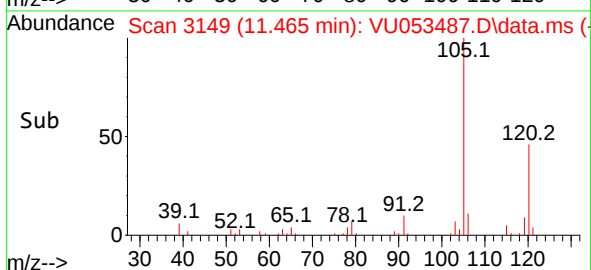
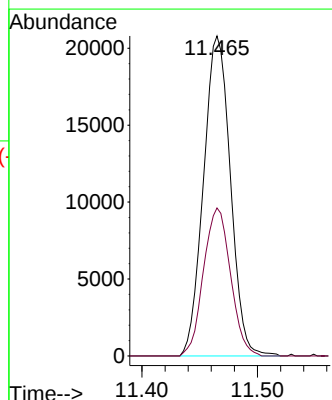
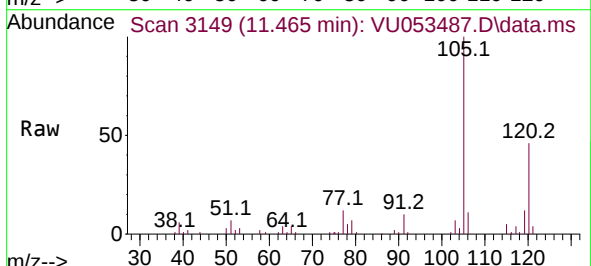
Acq: 31 Mar 2023 12:30

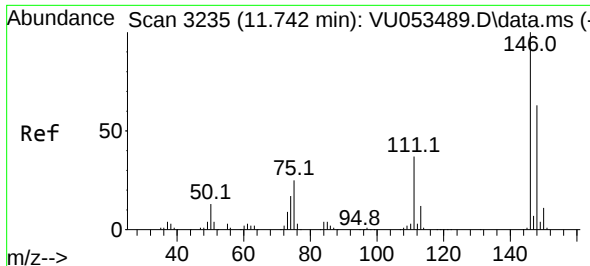
Tgt Ion:105 Resp: 33657

Ion Ratio Lower Upper

105 100

120 46.4 37.5 56.3

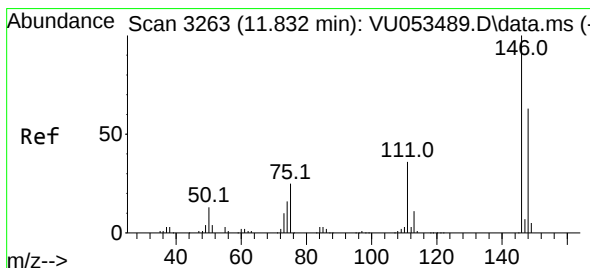
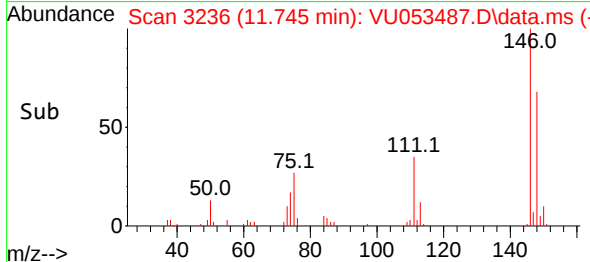
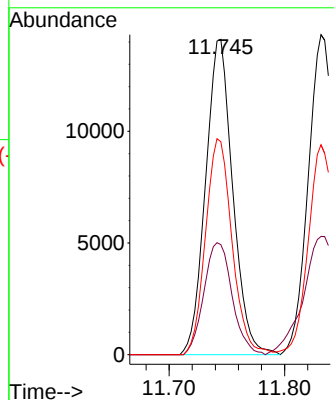
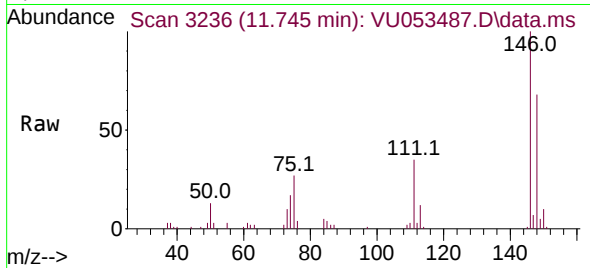




#64
1,3-Dichlorobenzene
Concen: 5.215 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

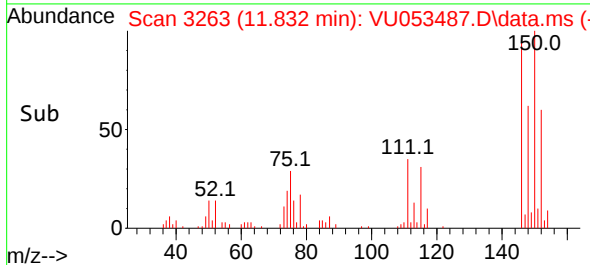
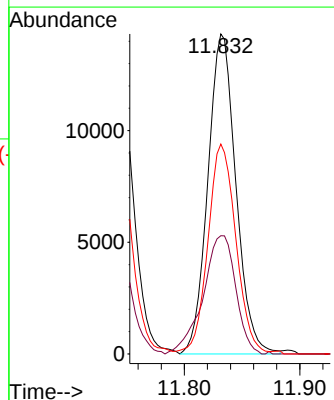
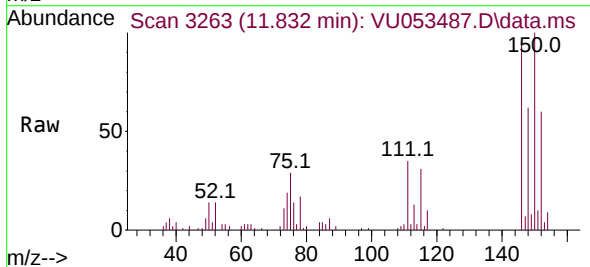
Instrument :
MSVOA_W
ClientSampleId :

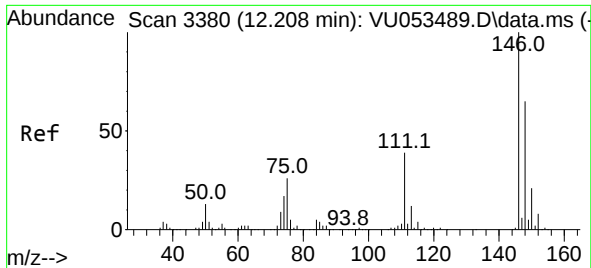
Tgt Ion:146 Resp: 23055
Ion Ratio Lower Upper
146 100
111 34.9 25.7 47.7
148 67.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.434 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion:146 Resp: 24179
Ion Ratio Lower Upper
146 100
111 36.9 25.1 46.5
148 65.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.018 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :

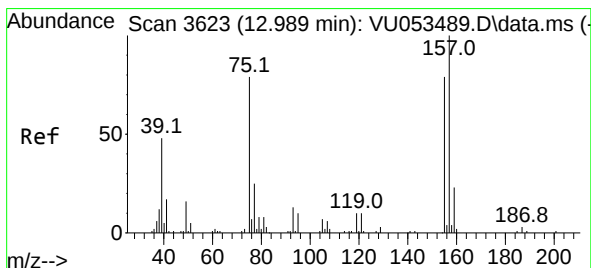
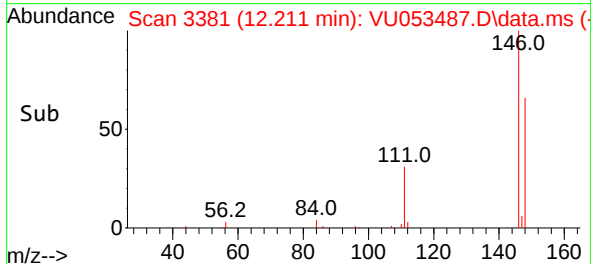
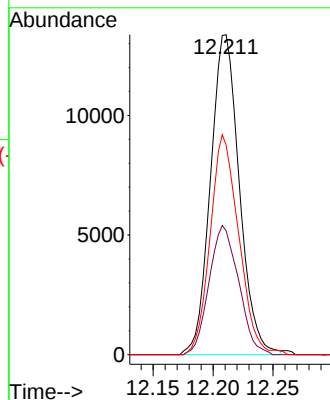
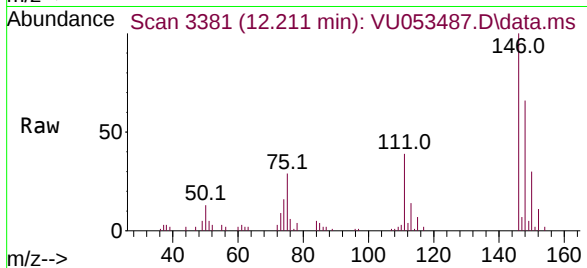
Tgt Ion:146 Resp: 22356

Ion Ratio Lower Upper

146 100

111 38.7 31.5 47.3

148 65.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 3.531 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

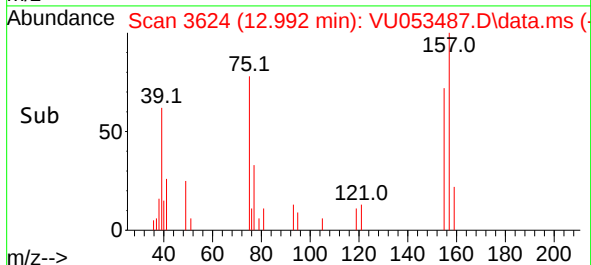
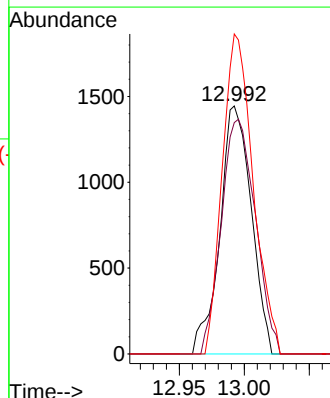
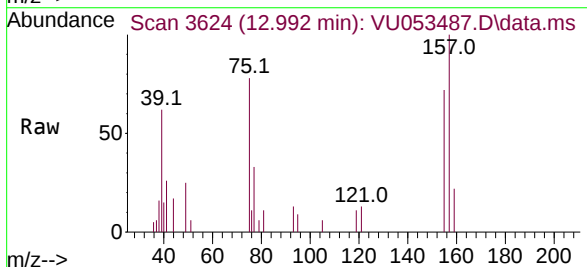
Tgt Ion: 75 Resp: 2421

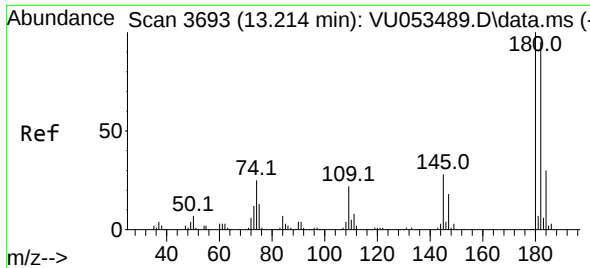
Ion Ratio Lower Upper

75 100

155 93.3 79.9 119.9

157 129.0 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 4.775 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

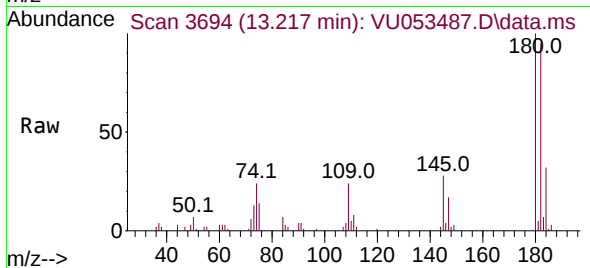
Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 16192

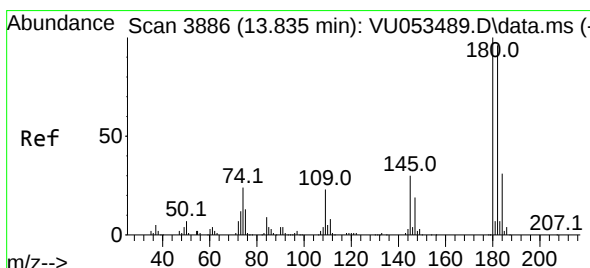
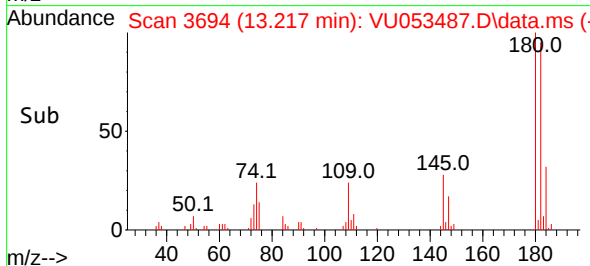
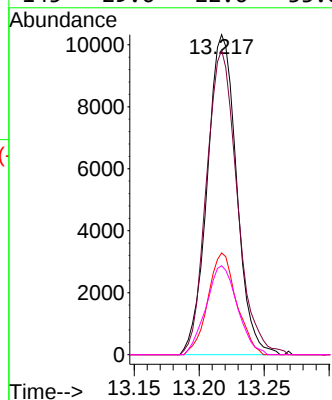
Ion Ratio Lower Upper

180 100

182 99.3 75.6 113.4

184 31.0 24.2 36.2

145 29.6 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 4.913 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053487.D

Acq: 31 Mar 2023 12:30

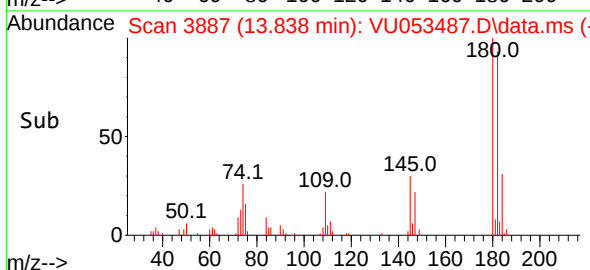
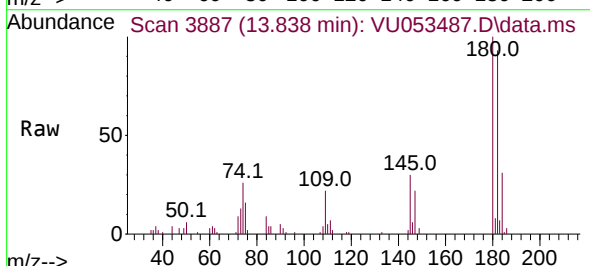
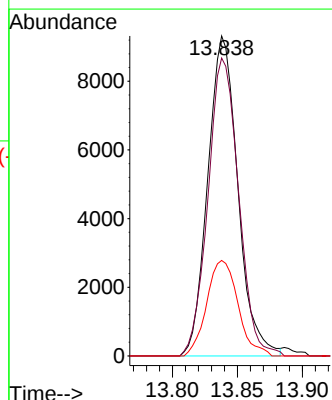
Tgt Ion:180 Resp: 15001

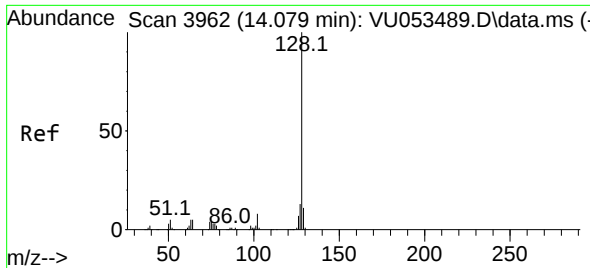
Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 31.0 23.4 35.2

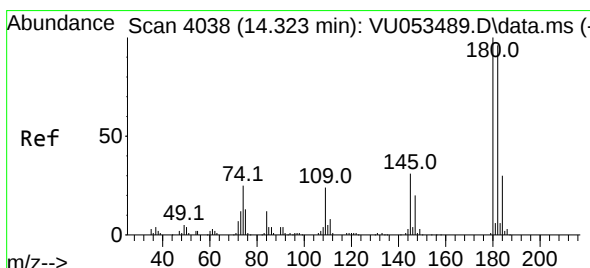
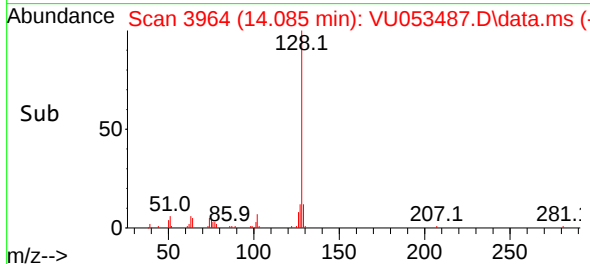
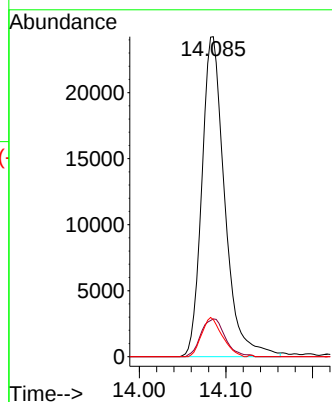
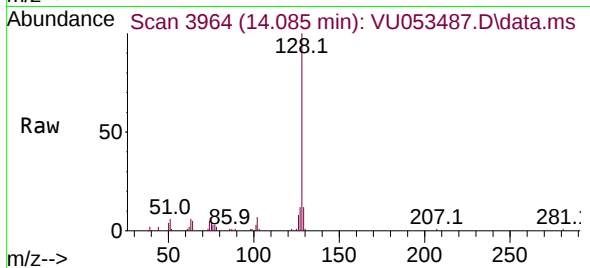




#71
Naphthalene
Concen: 4.868 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 44464
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 4.907 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053487.D
Acq: 31 Mar 2023 12:30

Tgt Ion:180 Resp: 14718
Ion Ratio Lower Upper
180 100
182 94.7 77.0 115.6
145 32.2 25.4 38.0

