

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053491.D
 Acq On : 31 Mar 2023 14:04
 Operator : JC/MD
 Sample : VSTD20015
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:39:34 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	6.243	114	294186	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	285912	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	174014	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	528491	199.840	ug/L	0.00
7) Chloroethane-d5	1.903	69	403183	190.087	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	794847	195.190	ug/L	0.00
21) 2-Butanone-d5	4.607	46	486301	460.149	ug/L	0.00
24) Chloroform-d	5.057	84	861986	197.700	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	517612	197.509	ug/L	0.00
32) Benzene-d6	5.723	84	1711584	187.976	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	520523	185.560	ug/L	0.00
41) Toluene-d8	7.893	98	1743965	195.471	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	289012	191.059	ug/L	0.00
47) 2-Hexanone-d5	8.626	63	397650	455.741	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	786385	201.791	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	832020	218.892	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	477567	204.265	ug/L	100
3) Chloromethane	1.520	50	393125	185.226	ug/L	98
5) Vinyl chloride	1.601	62	466863	181.033	ug/L	100
6) Bromomethane	1.842	94	341688	190.394	ug/L	98
8) Chloroethane	1.925	64	272475	173.870	ug/L	98
9) Trichlorofluoromethane	2.134	101	712969	180.647	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	407860	199.380	ug/L	100
12) 1,1-Dichloroethene	2.575	96	367208	191.666	ug/L	90
13) Acetone	2.617	43	380379	395.592	ug/L	99
14) Carbon disulfide	2.787	76	1016787	182.031	ug/L	97
15) Methyl Acetate	2.938	43	286717	200.575	ug/L	95
16) Methylene chloride	3.041	84	387442	169.152	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	377963	185.854	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	1084914	173.893	ug/L	100
19) 1,1-Dichloroethane	3.861	63	612911	177.210	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	428736	186.727	ug/L	98
22) 2-Butanone	4.690	43	462586	405.758	ug/L	96
23) Bromochloromethane	4.967	128	235715	187.853	ug/L	99
25) Chloroform	5.080	83	702182	180.530	ug/L	100
27) 1,2-Dichloroethane	5.787	62	512002	184.424	ug/L	99
29) Cyclohexane	5.382	56	547831	167.677	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	624558	173.851	ug/L	99
31) Carbon tetrachloride	5.520	117	568428	180.288	ug/L	99
33) Benzene	5.768	78	1457763	170.811	ug/L	100
34) Trichloroethene	6.536	95	446751	188.790	ug/L	98
35) Methylcyclohexane	6.758	83	674968	172.304	ug/L	99
37) 1,2-Dichloropropane	6.784	63	371455	171.116	ug/L	99
38) Bromodichloromethane	7.099	83	525585	170.466	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	641850	173.745	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	850669	395.279	ug/L	100
42) Toluene	7.964	91	1688722	174.558	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	628357	176.170	ug/L	99

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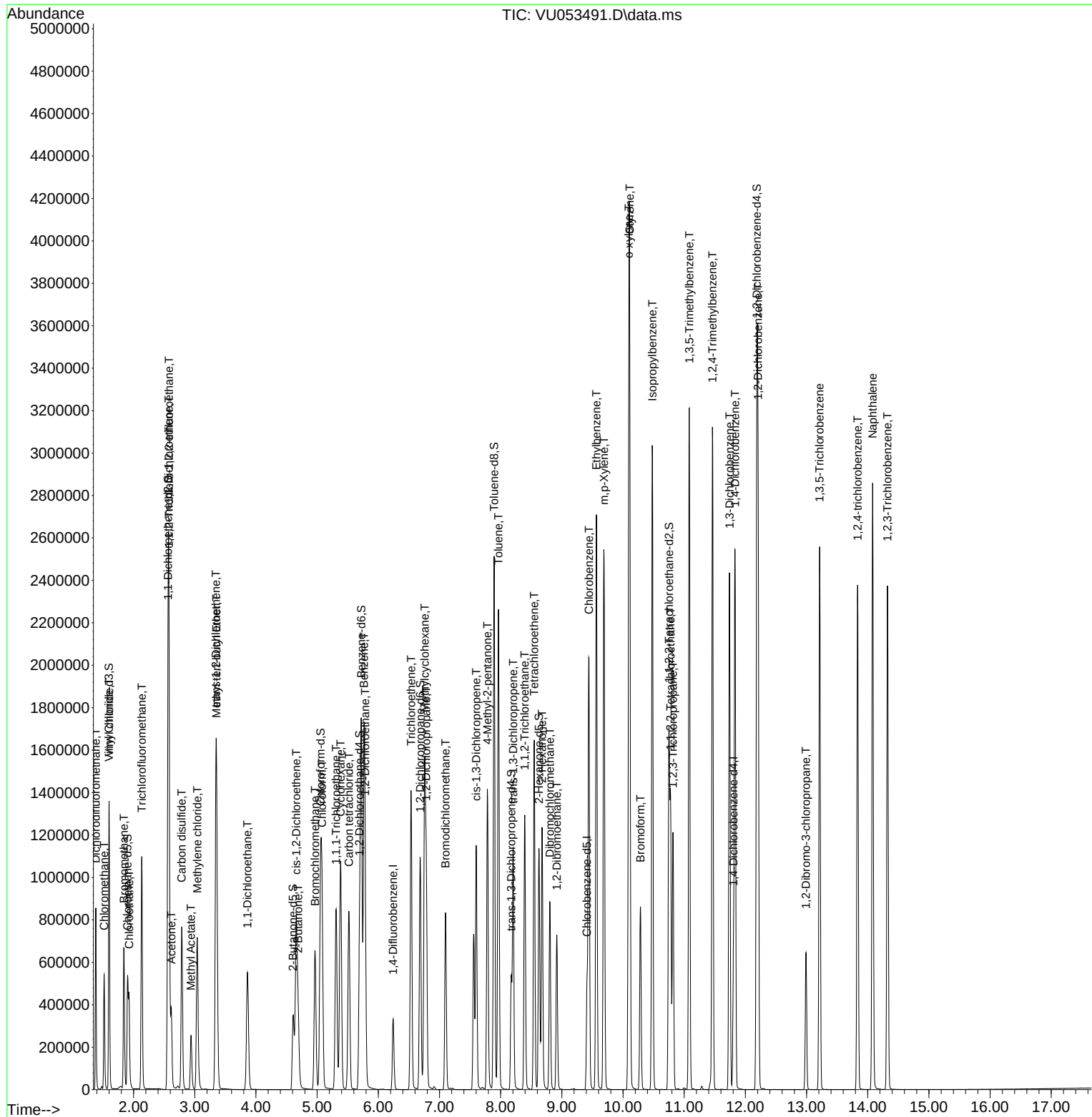
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	415237	183.270	ug/L	98
46) Tetrachloroethene	8.549	164	375019	198.452	ug/L	99
48) 2-Hexanone	8.677	43	715105	417.846	ug/L	98
49) Dibromochloromethane	8.806	129	469056	176.066	ug/L	98
50) 1,2-Dibromoethane	8.919	107	477131	192.493	ug/L	99
51) Chlorobenzene	9.443	112	1158033	184.332	ug/L	99
52) Ethylbenzene	9.565	91	1935611	181.532	ug/L	100
53) m,p-Xylene	9.687	106	764968	182.101	ug/L	99
54) o-xylene	10.095	106	760060	182.467	ug/L	99
55) Styrene	10.108	104	1307346	187.375	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	628198	180.510	ug/L	99
59) Bromoform	10.285	173	399430	182.449	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	492506	174.948	ug/L	98
61) Isopropylbenzene	10.478	105	2022098	172.500	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	1742821	170.220	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	1753793	175.729	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	1071915	198.766	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1089611	200.734	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	1085177	199.688	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	148833	177.966	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	832758	201.333	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	794227	213.257	ug/L	100
71) Naphthalene	14.079	128	2351012	211.025	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	783048	214.021	ug/L	99

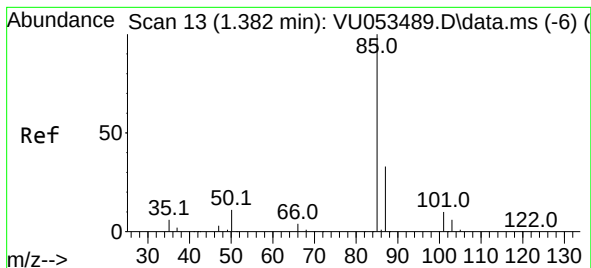
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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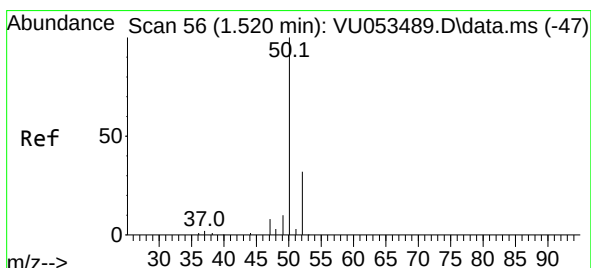
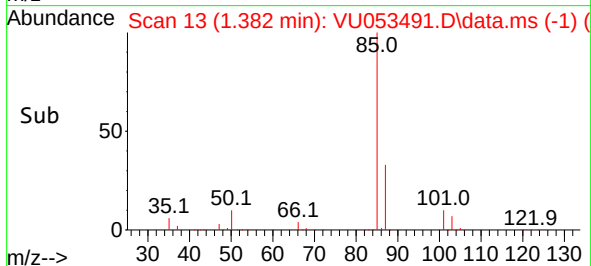
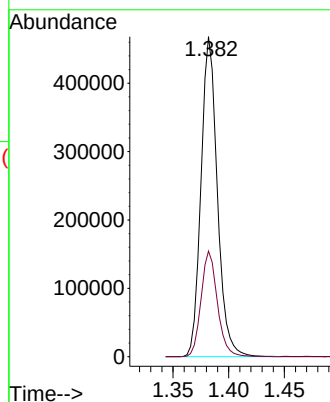
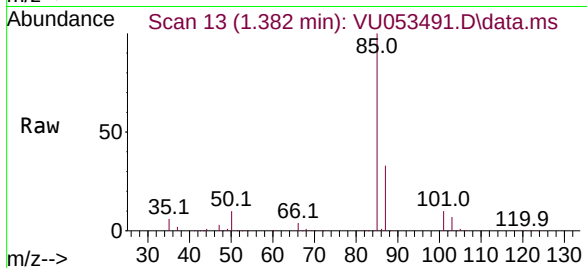




#2
Dichlorodifluoromethane
Concen: 204.265 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

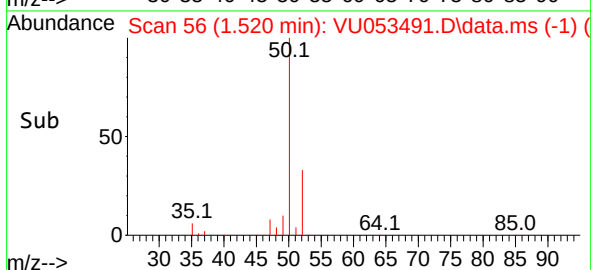
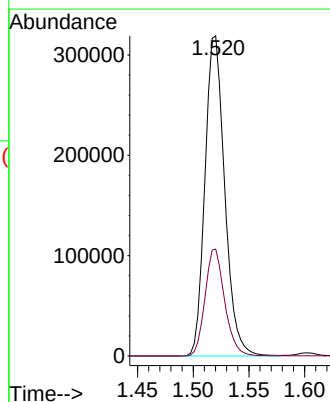
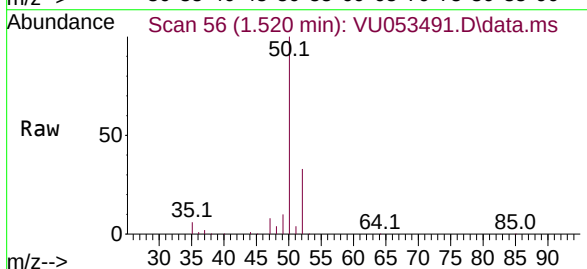
Instrument :
MSVOA_W
ClientSampleId :

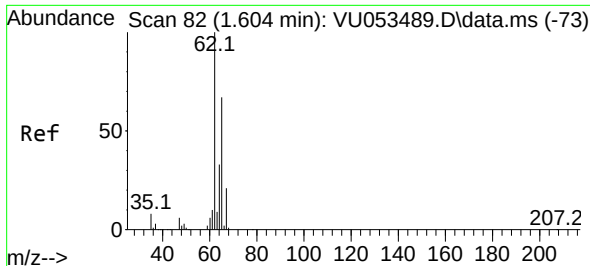
Tgt Ion: 85 Resp: 477567
Ion Ratio Lower Upper
85 100
87 32.9 26.4 39.6



#3
Chloromethane
Concen: 185.226 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

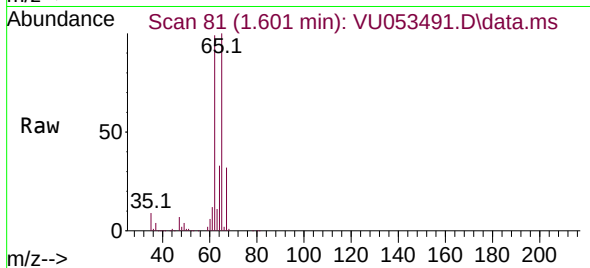
Tgt Ion: 50 Resp: 393125
Ion Ratio Lower Upper
50 100
52 33.4 22.7 42.1



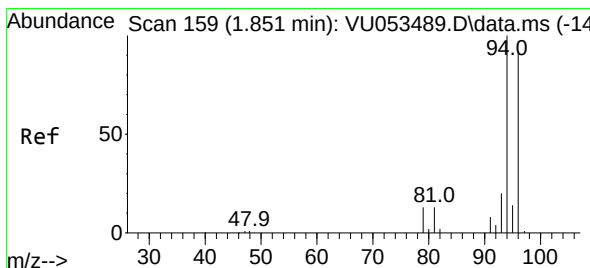
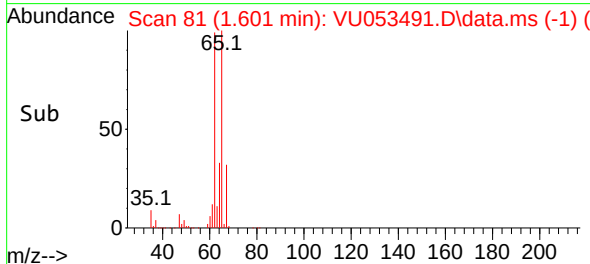
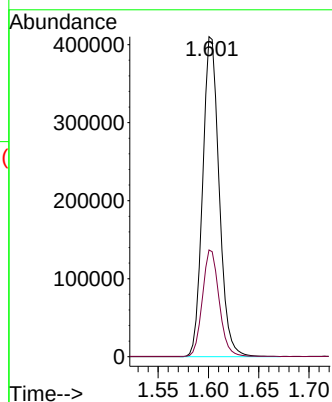


#5
 Vinyl chloride
 Concen: 181.033 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Instrument :
 MSVOA_W
 ClientSampleId :

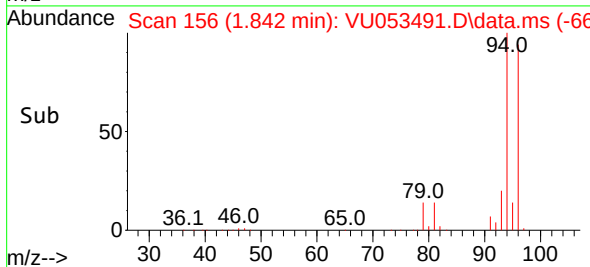
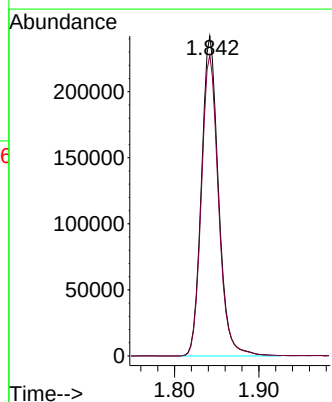
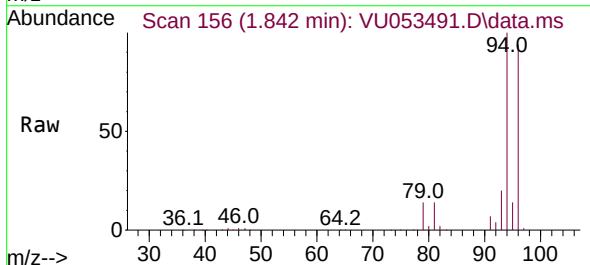


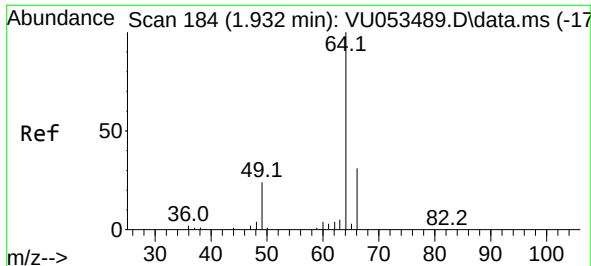
Tgt Ion: 62 Resp: 466863
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.2 43.0



#6
 Bromomethane
 Concen: 190.394 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.010 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Tgt Ion: 94 Resp: 341688
 Ion Ratio Lower Upper
 94 100
 96 94.0 64.4 119.6

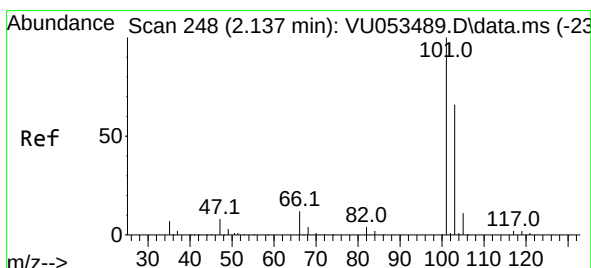
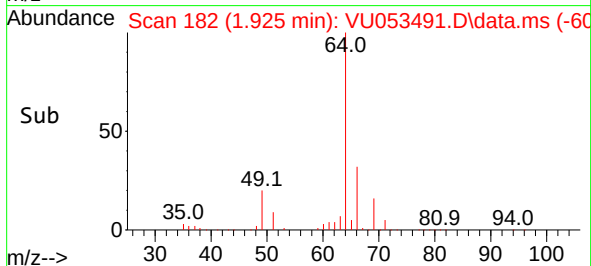
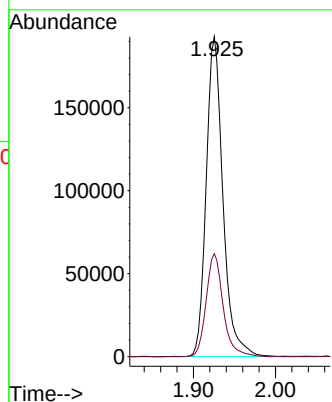
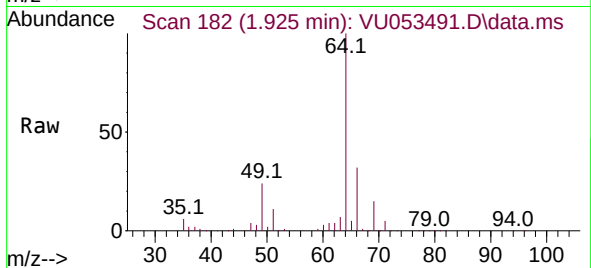




#8
Chloroethane
Concen: 173.870 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

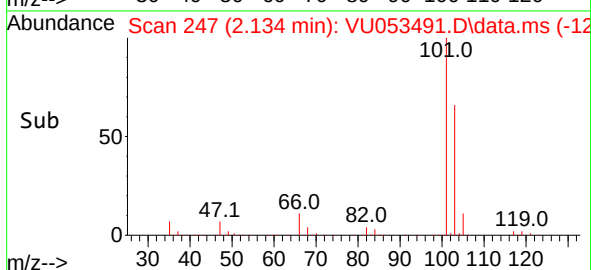
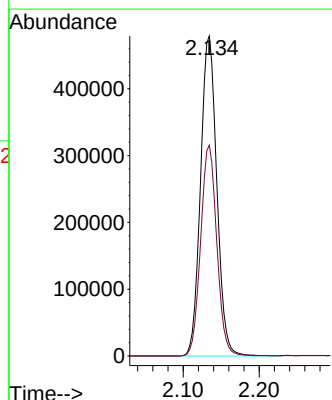
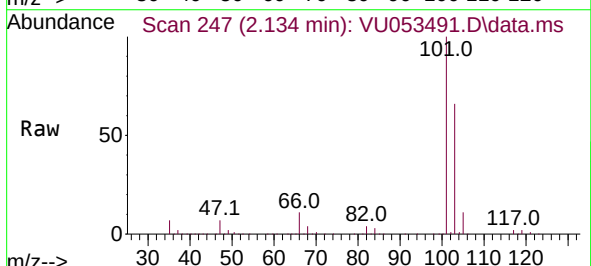
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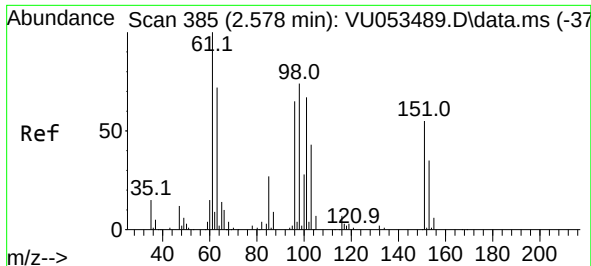
Tgt Ion: 64 Resp: 272475
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 180.647 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion:101 Resp: 712969
Ion Ratio Lower Upper
101 100
103 65.4 52.5 78.7

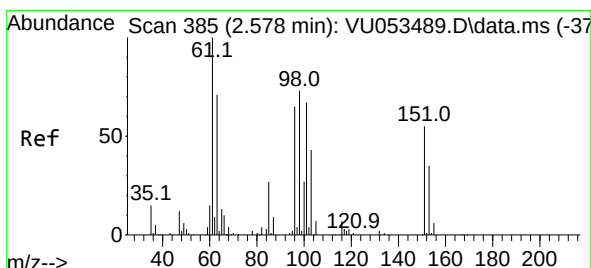
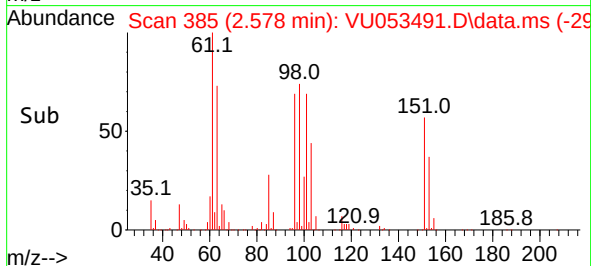
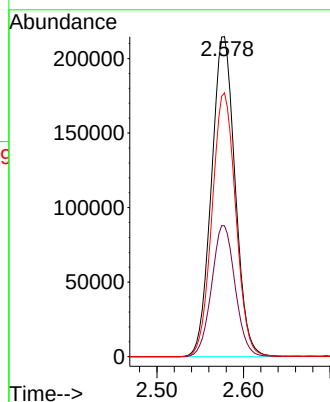
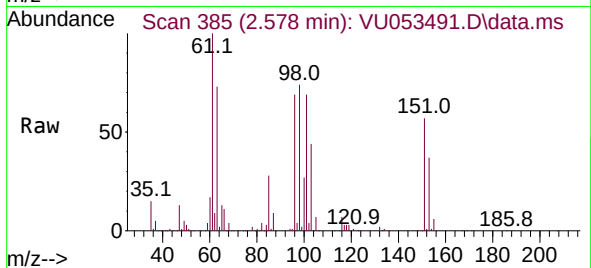




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 199.380 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

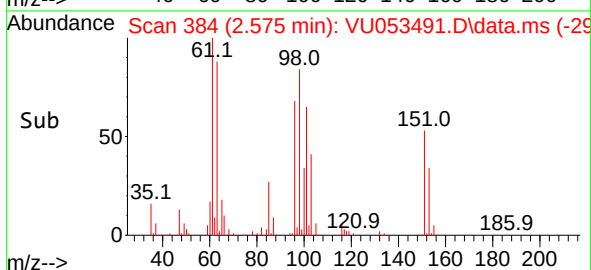
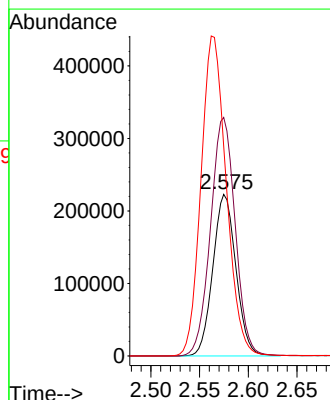
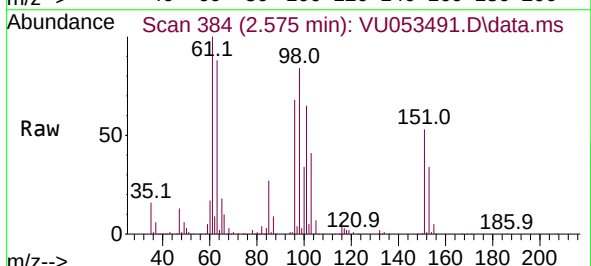
Instrument :
 MSVOA_W
 ClientSampleId :

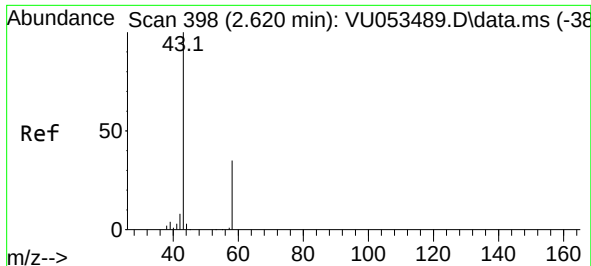
Tgt Ion:101 Resp: 407860
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.6 48.8
 151 82.6 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 191.666 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Tgt Ion: 96 Resp: 367208
 Ion Ratio Lower Upper
 96 100
 61 147.6 107.9 200.5
 63 129.6 79.1 146.9





#13

Acetone

Concen: 395.592 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

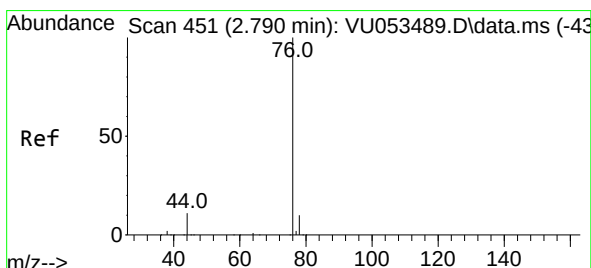
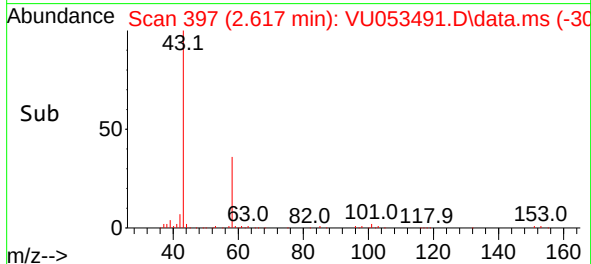
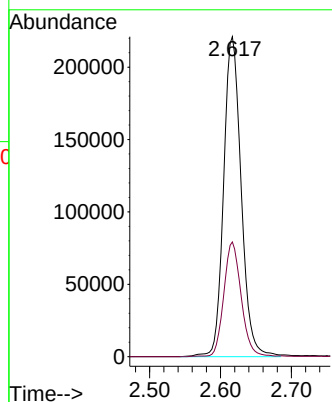
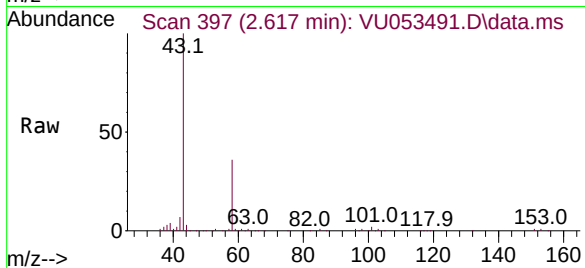
ClientSampleId :

Tgt Ion: 43 Resp: 380379

Ion Ratio Lower Upper

43 100

58 35.5 0.0 70.2



#14

Carbon disulfide

Concen: 182.031 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU053491.D

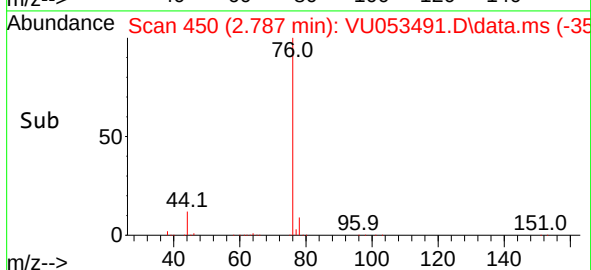
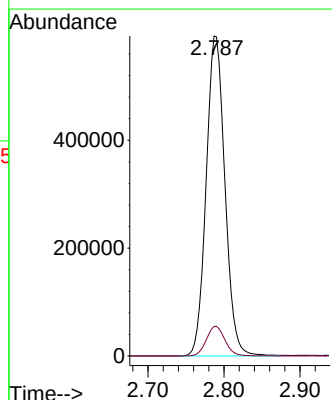
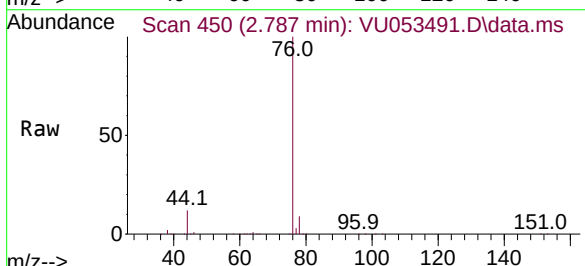
Acq: 31 Mar 2023 14:04

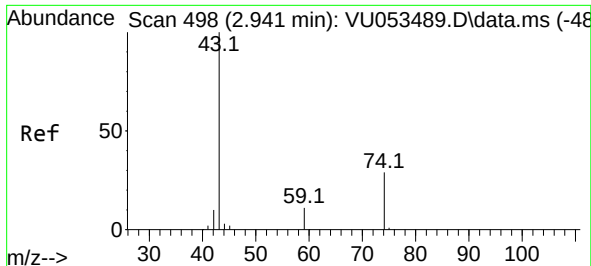
Tgt Ion: 76 Resp: 1016787

Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

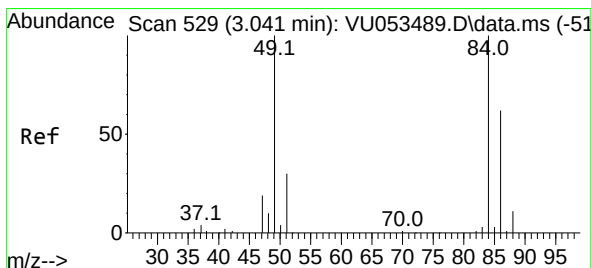
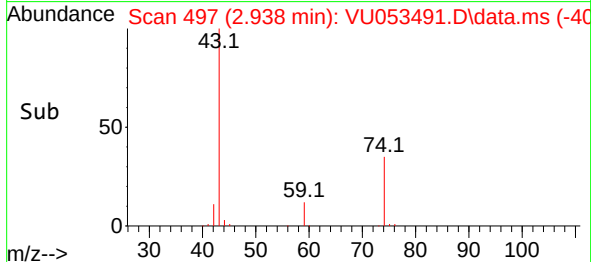
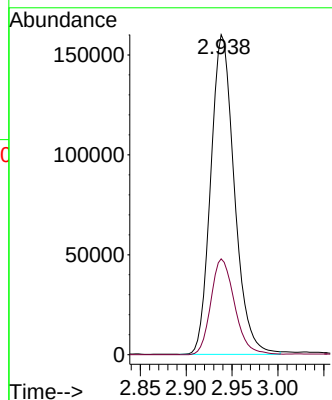
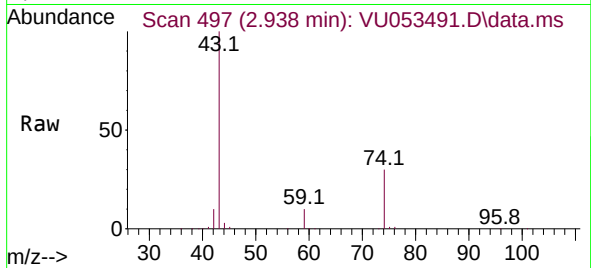




#15
Methyl Acetate
Concen: 200.575 ug/L
RT: 2.938 min Scan# 497
Delta R.T. -0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

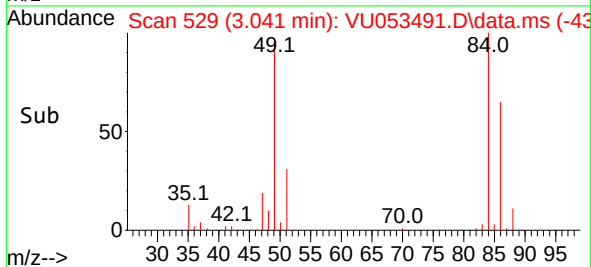
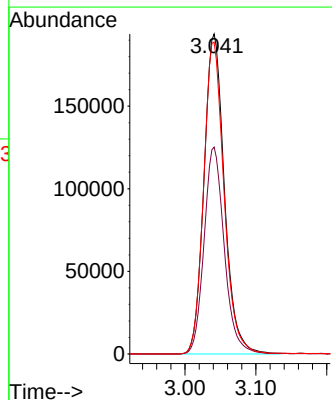
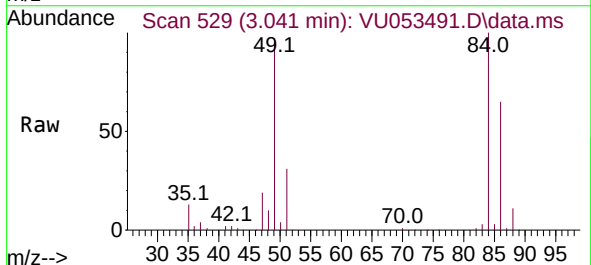
Instrument :
MSVOA_W
ClientSampleId :

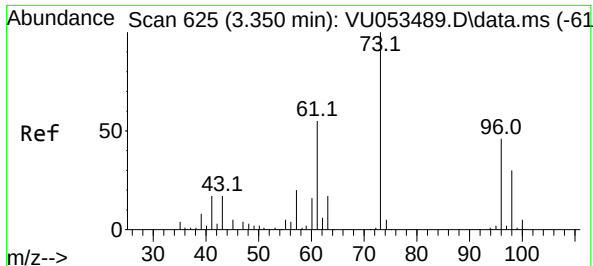
Tgt Ion: 43 Resp: 286717
Ion Ratio Lower Upper
43 100
74 30.1 22.0 33.0



#16
Methylene chloride
Concen: 169.152 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion: 84 Resp: 387442
Ion Ratio Lower Upper
84 100
86 64.6 43.5 80.9
49 97.5 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 185.854 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

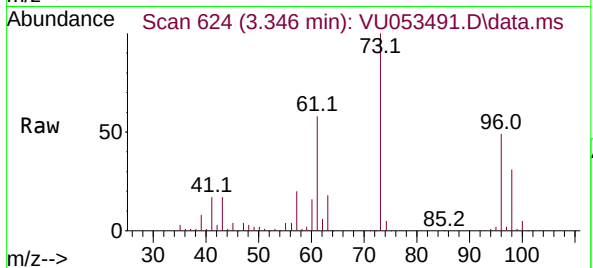
Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :



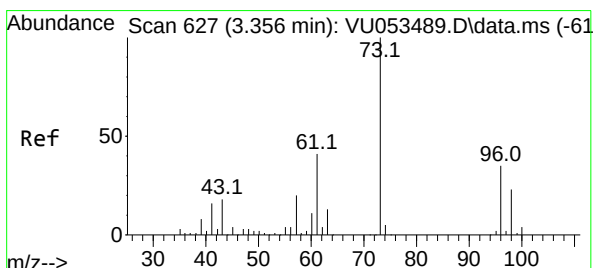
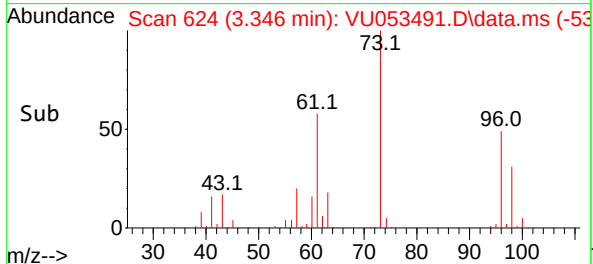
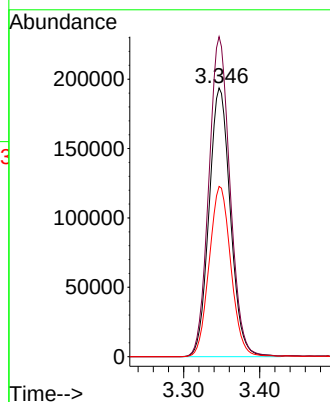
Tgt Ion: 96 Resp: 377963

Ion Ratio Lower Upper

96 100

61 119.1 84.4 156.8

98 63.3 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 173.893 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

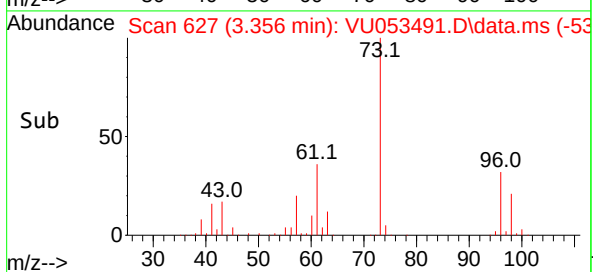
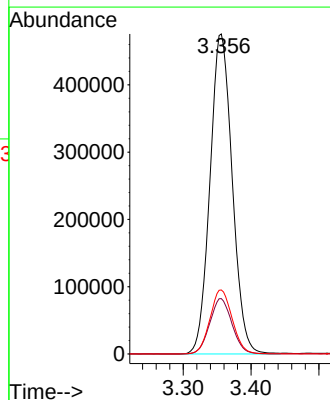
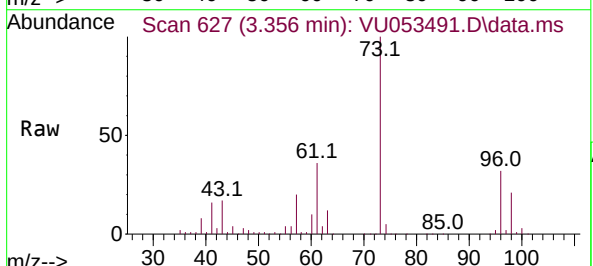
Tgt Ion: 73 Resp: 1084914

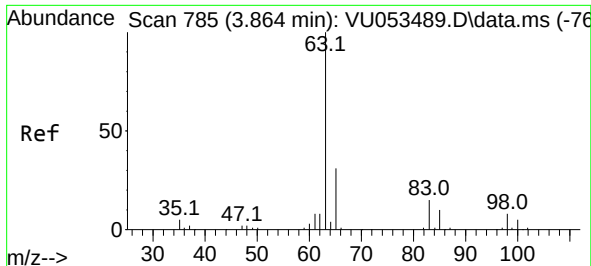
Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.8

57 20.0 15.9 23.9





#19

1,1-Dichloroethane

Concen: 177.210 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.003 min MSVOA_W

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :

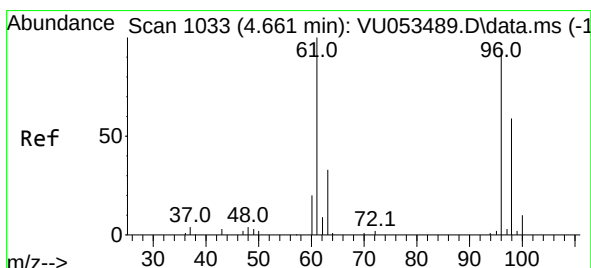
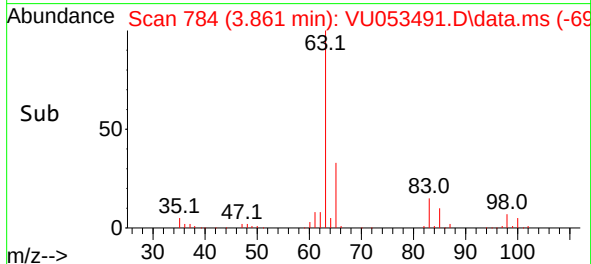
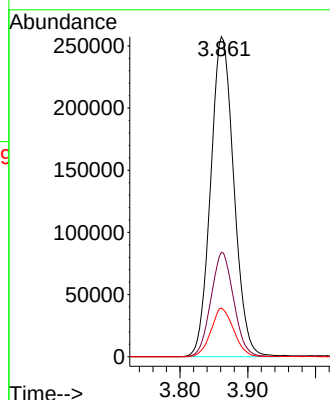
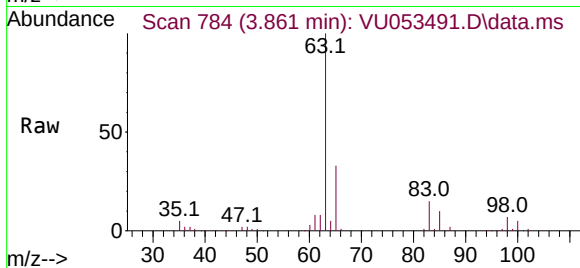
Tgt Ion: 63 Resp: 612911

Ion Ratio Lower Upper

63 100

65 32.6 22.0 41.0

83 15.2 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 186.727 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

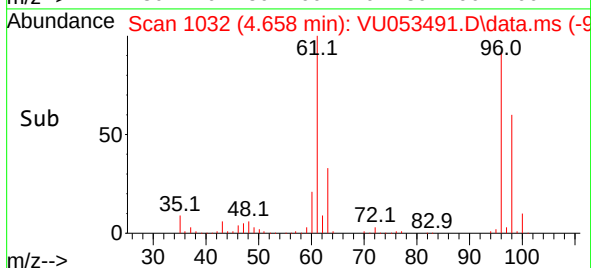
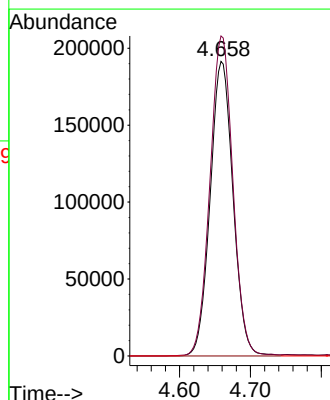
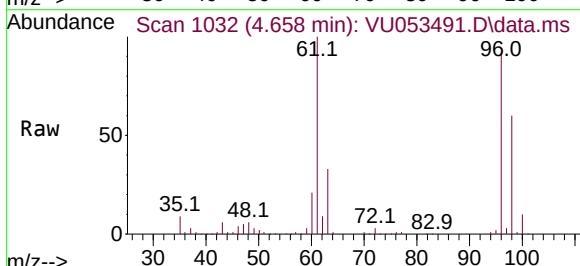
Tgt Ion: 96 Resp: 428736

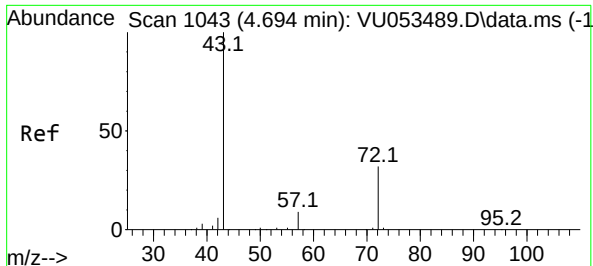
Ion Ratio Lower Upper

96 100

61 108.6 74.7 138.7

68 0.0 0.0 0.0

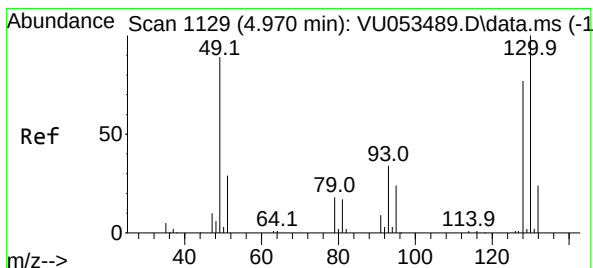
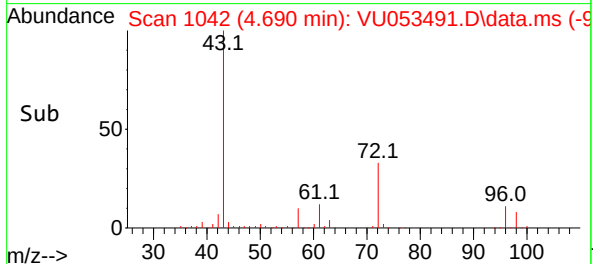
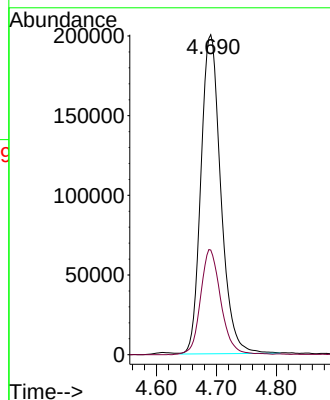
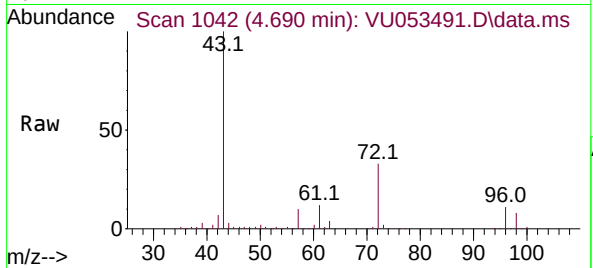




#22
2-Butanone
Concen: 405.758 ug/L
RT: 4.690 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

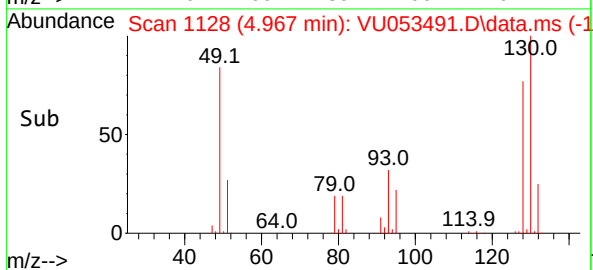
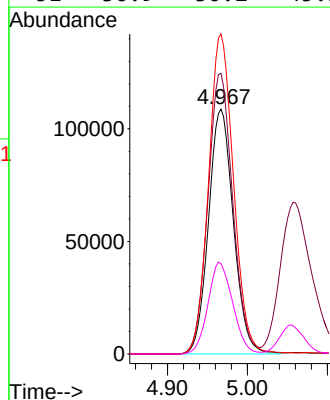
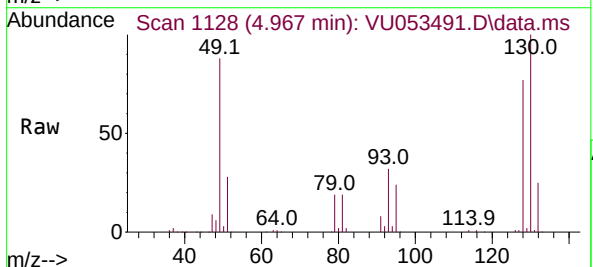
Instrument :
MSVOA_W
ClientSampleId :

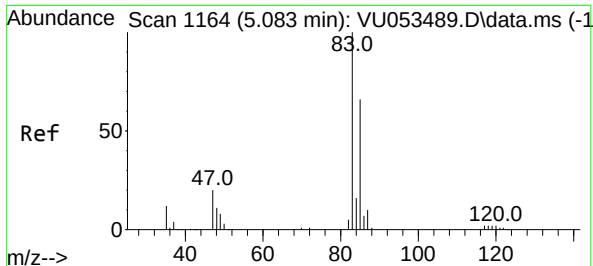
Tgt Ion: 43 Resp: 462586
Ion Ratio Lower Upper
43 100
72 33.5 15.8 47.3



#23
Bromochloromethane
Concen: 187.853 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion:128 Resp: 235715
Ion Ratio Lower Upper
128 100
49 114.6 81.5 151.3
130 130.7 91.8 170.4
51 36.9 30.2 45.2





#25

Chloroform

Concen: 180.530 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

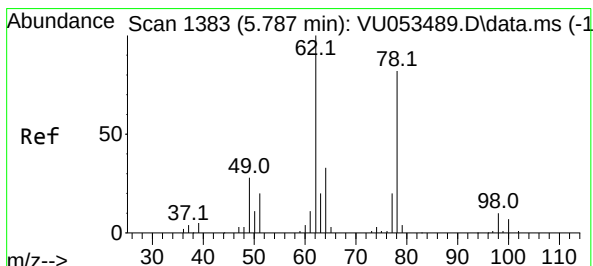
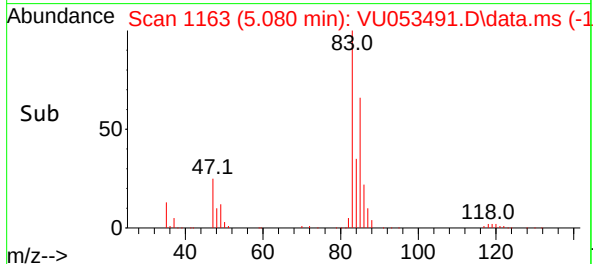
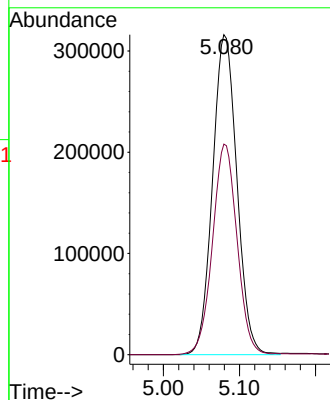
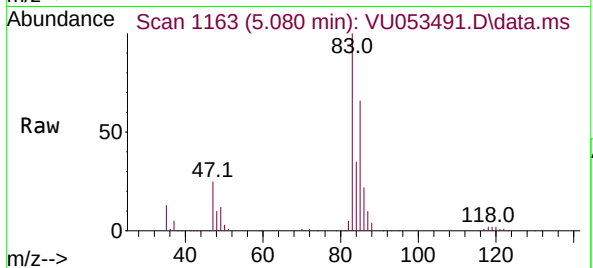
ClientSampleId :

Tgt Ion: 83 Resp: 702182

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 184.424 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053491.D

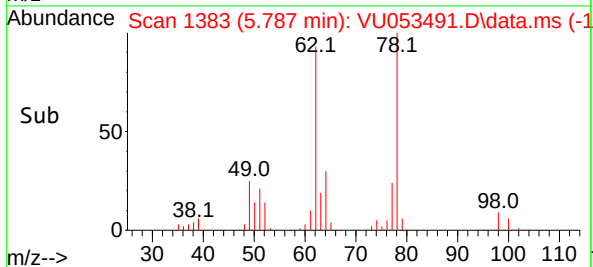
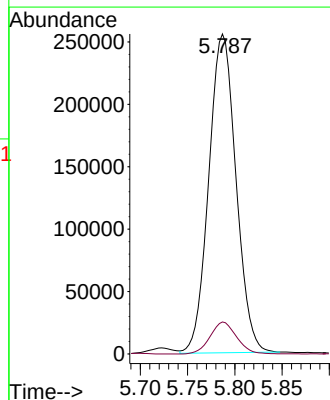
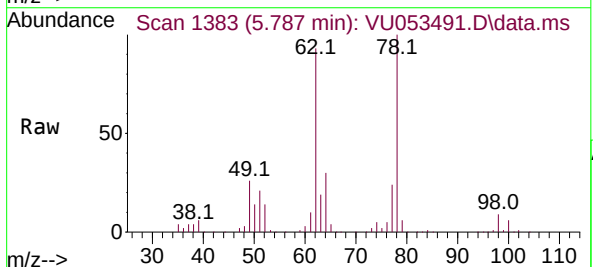
Acq: 31 Mar 2023 14:04

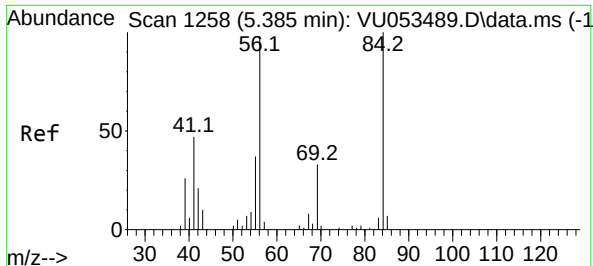
Tgt Ion: 62 Resp: 512002

Ion Ratio Lower Upper

62 100

98 10.0 8.3 12.5





#29

Cyclohexane

Concen: 167.677 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :

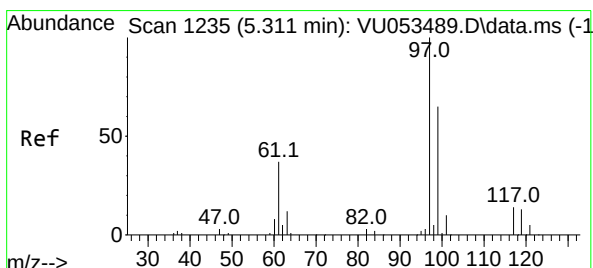
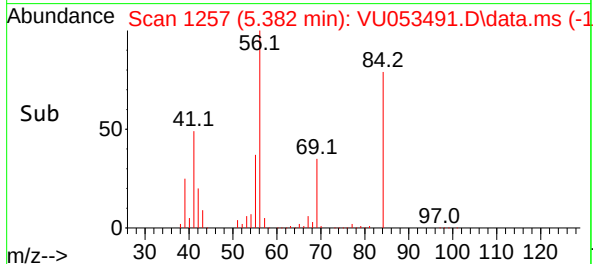
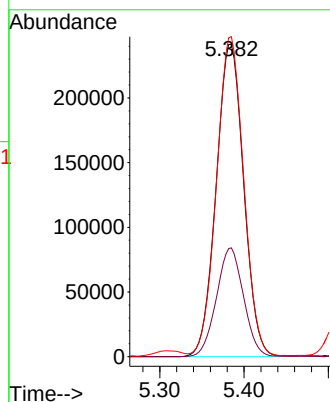
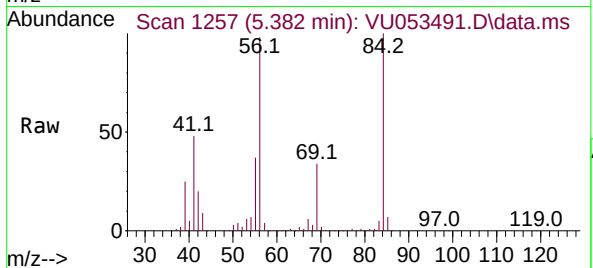
Tgt Ion: 56 Resp: 547831

Ion Ratio Lower Upper

56 100

69 34.2 27.3 40.9

84 100.3 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 173.851 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

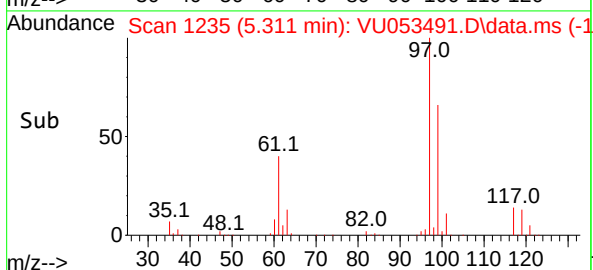
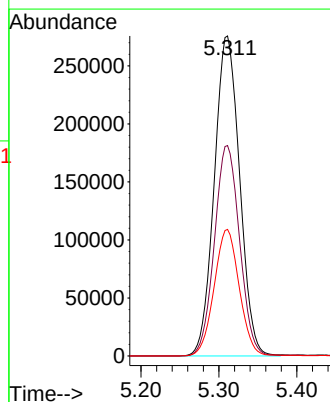
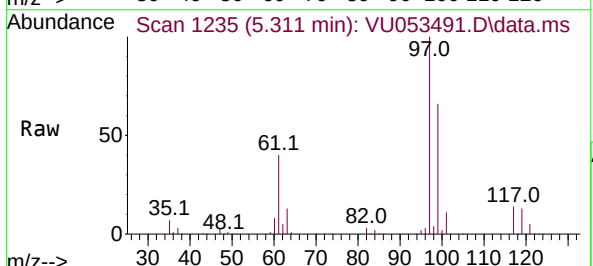
Tgt Ion: 97 Resp: 624558

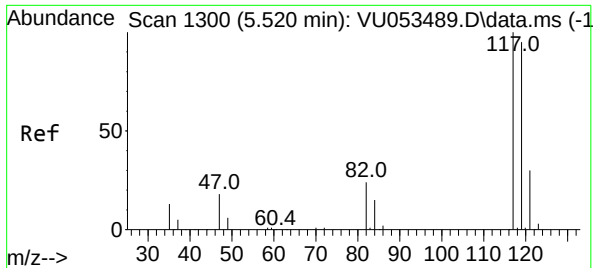
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 39.3 31.0 46.4

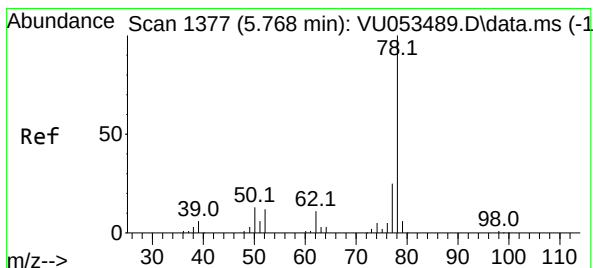
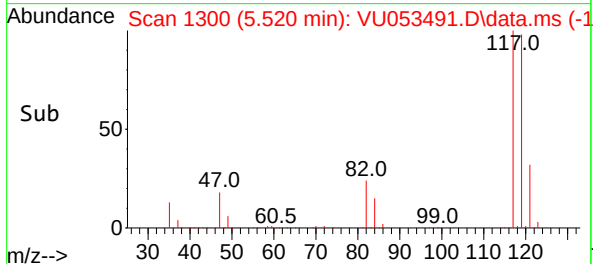
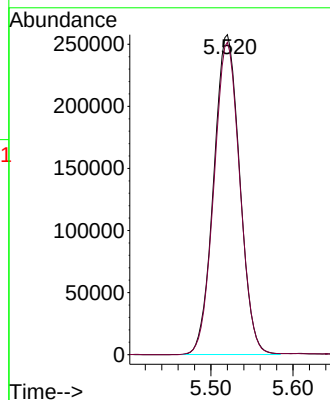
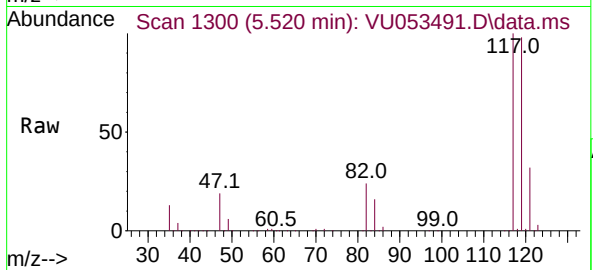




#31
Carbon tetrachloride
Concen: 180.288 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

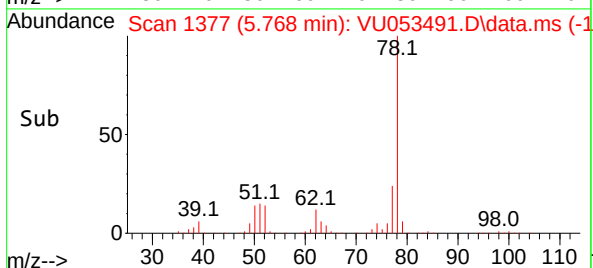
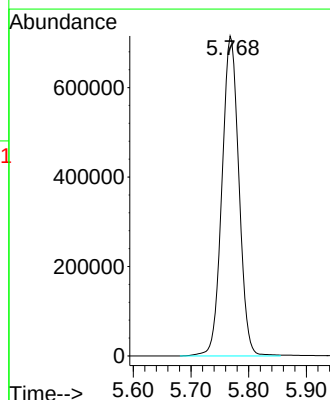
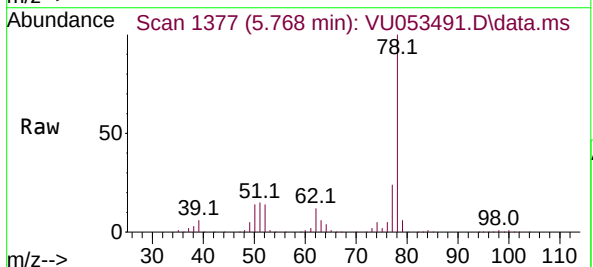
Instrument :
MSVOA_W
ClientSampleId :

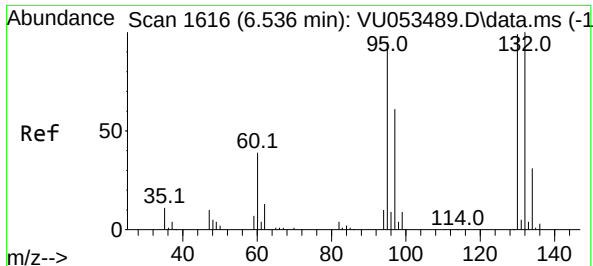
Tgt Ion:117 Resp: 568428
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3



#33
Benzene
Concen: 170.811 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

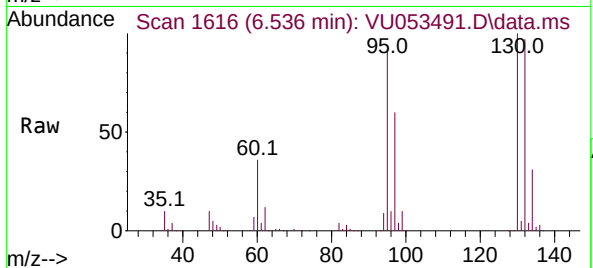
Tgt Ion: 78 Resp: 1457763



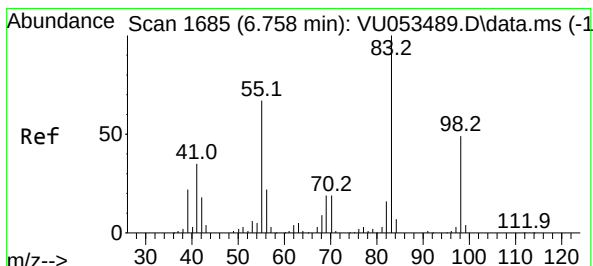
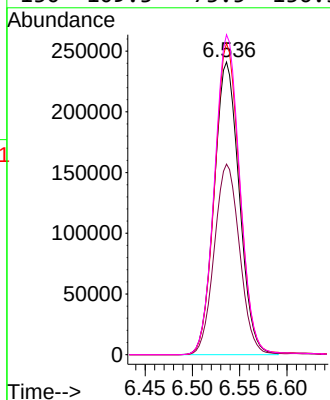
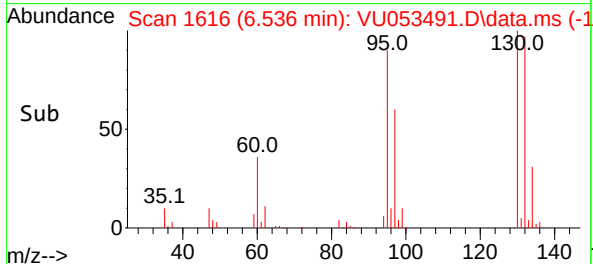


#34
Trichloroethene
Concen: 188.790 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

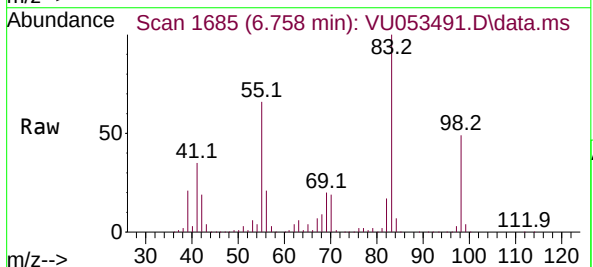
Instrument :
MSVOA_W
ClientSampleId :



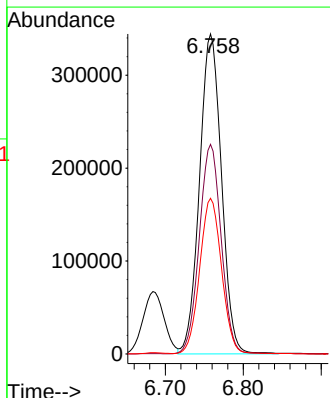
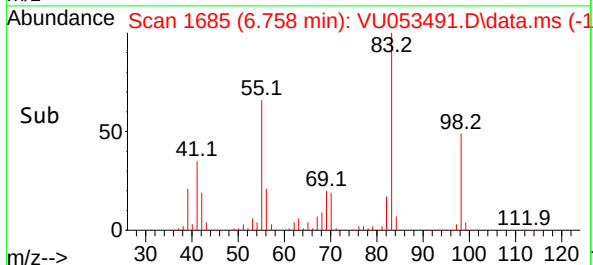
Tgt Ion: 95 Resp: 446751
Ion Ratio Lower Upper
95 100
97 65.1 45.1 83.7
132 106.4 74.1 137.5
130 109.3 73.5 136.5

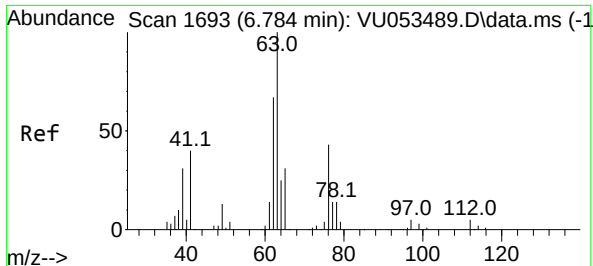


#35
Methylcyclohexane
Concen: 172.304 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04



Tgt Ion: 83 Resp: 674968
Ion Ratio Lower Upper
83 100
55 65.0 53.0 79.6
98 48.1 39.0 58.6





#37

1,2-Dichloropropane

Concen: 171.116 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

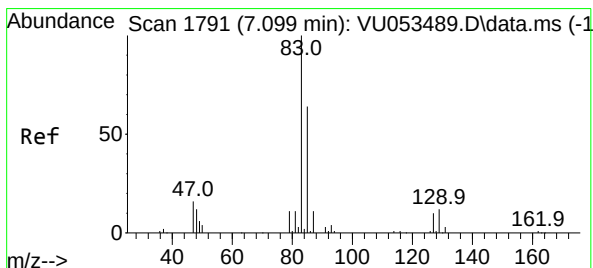
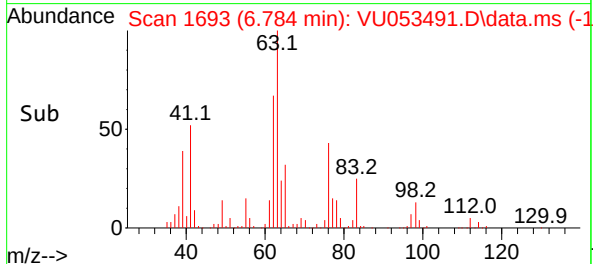
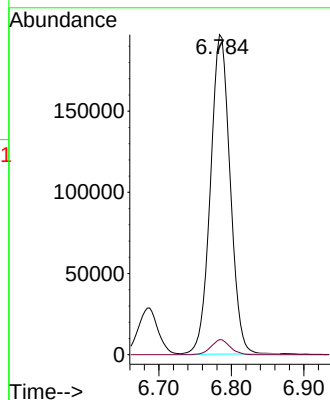
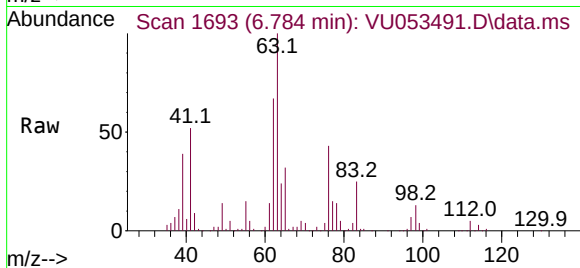
ClientSampleId :

Tgt Ion: 63 Resp: 371455

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 170.466 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

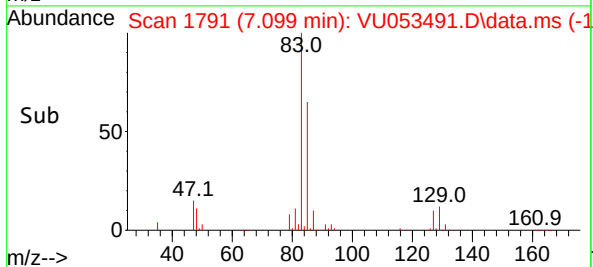
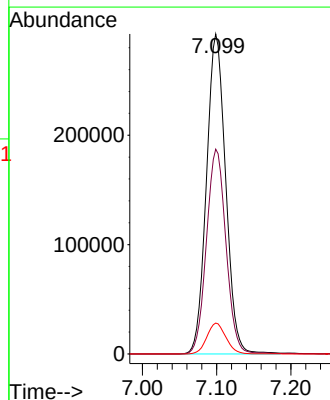
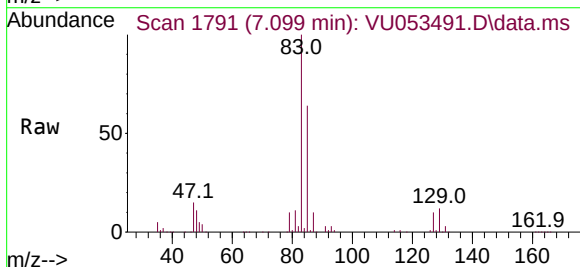
Tgt Ion: 83 Resp: 525585

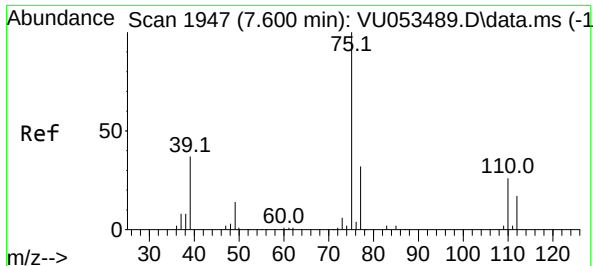
Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.5

127 9.7 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 173.745 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

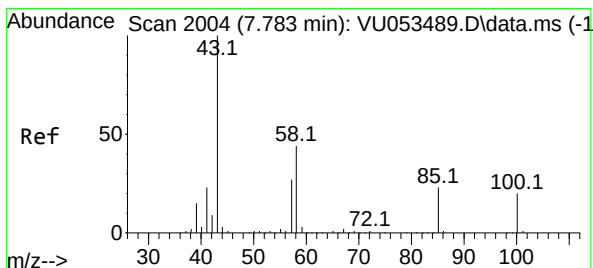
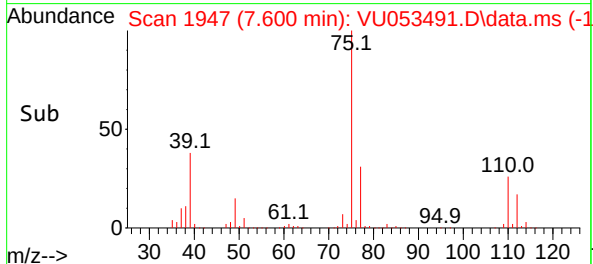
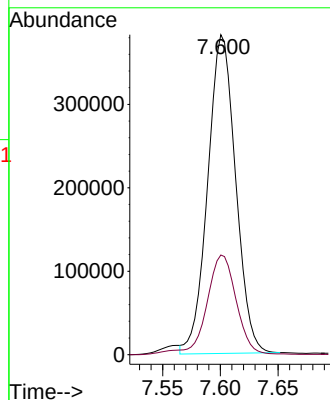
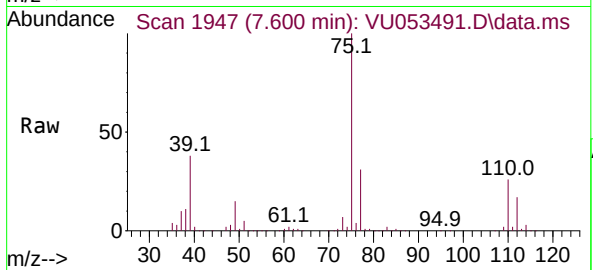
ClientSampleId :

Tgt Ion: 75 Resp: 641850

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 395.279 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

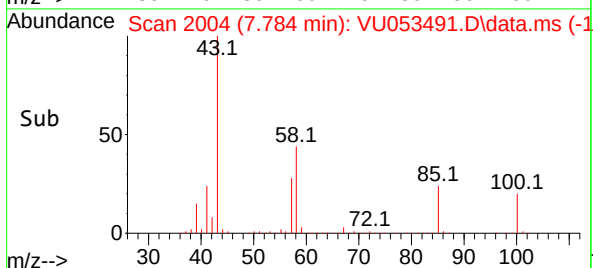
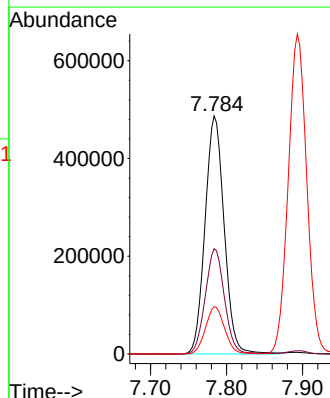
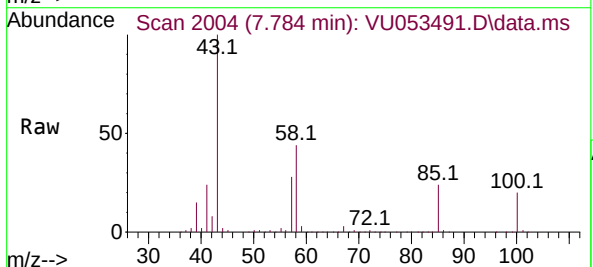
Tgt Ion: 43 Resp: 850669

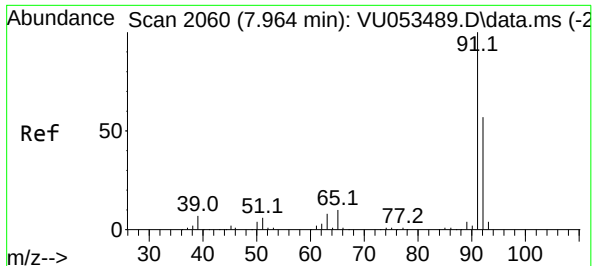
Ion Ratio Lower Upper

43 100

58 44.3 35.5 53.3

100 19.8 15.8 23.8





#42

Toluene

Concen: 174.558 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

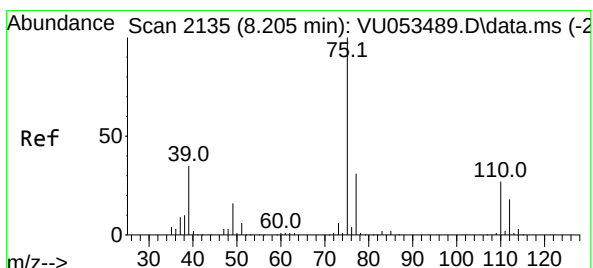
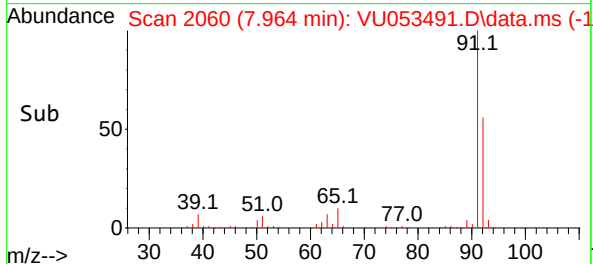
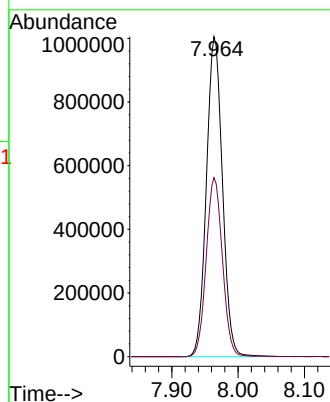
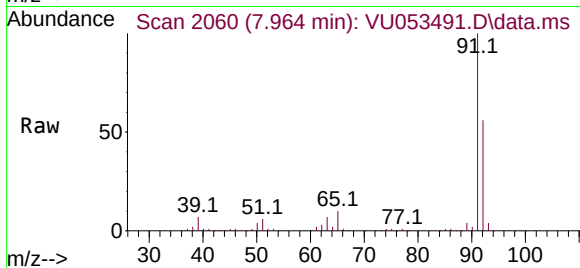
ClientSampleId :

Tgt Ion: 91 Resp: 1688722

Ion Ratio Lower Upper

91 100

92 56.0 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 176.170 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053491.D

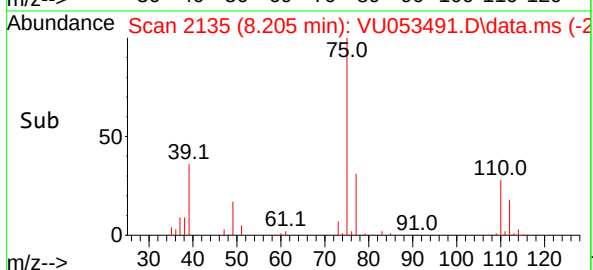
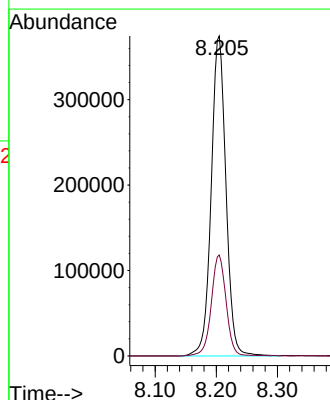
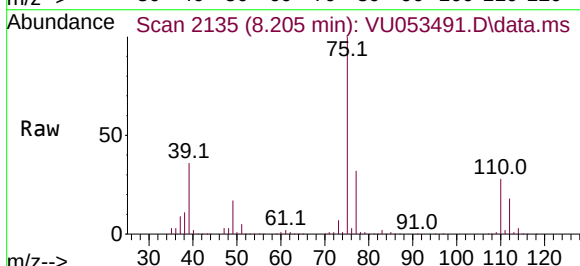
Acq: 31 Mar 2023 14:04

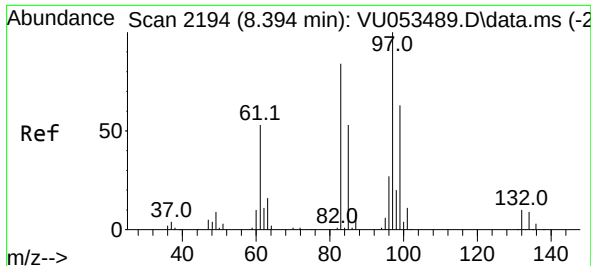
Tgt Ion: 75 Resp: 628357

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



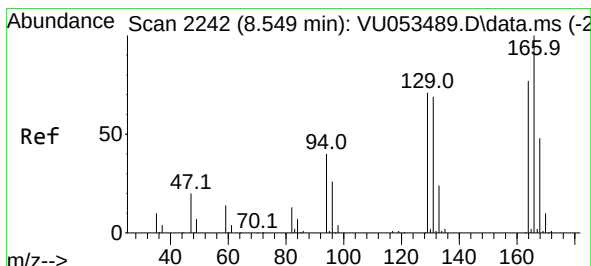
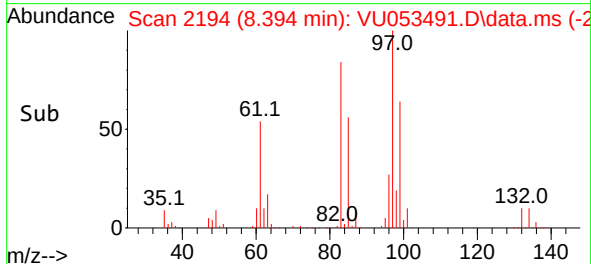
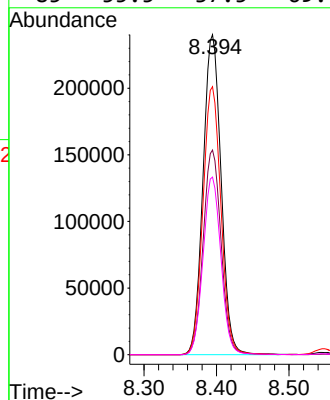
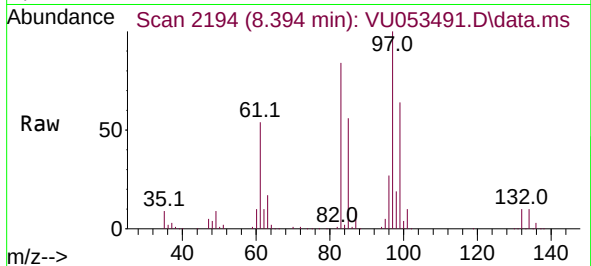


#45
1,1,2-Trichloroethane
Concen: 183.270 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 97 Resp: 415237

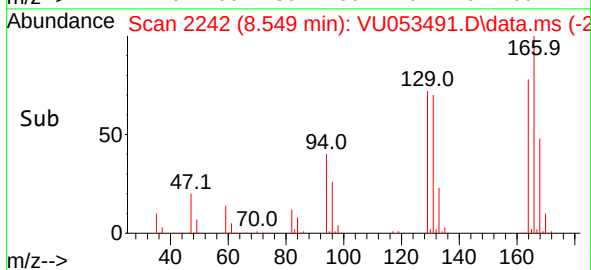
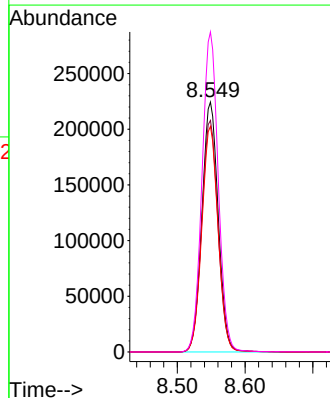
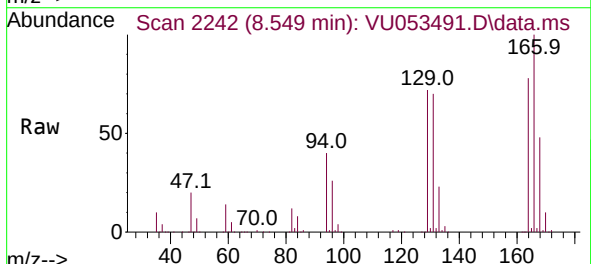
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.8	81.3
83	83.8	59.0	109.6
85	55.5	37.5	69.7

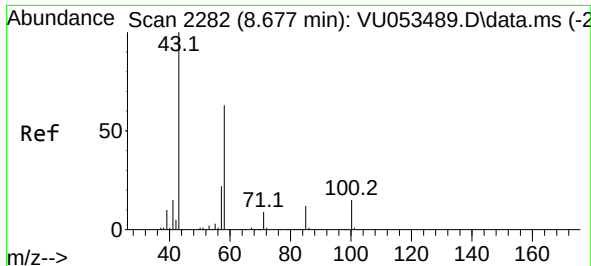


#46
Tetrachloroethene
Concen: 198.452 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion: 164 Resp: 375019

Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.0	119.0
131	90.3	61.9	115.1
166	128.1	90.6	168.2

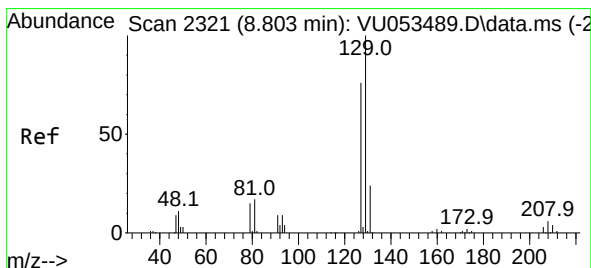
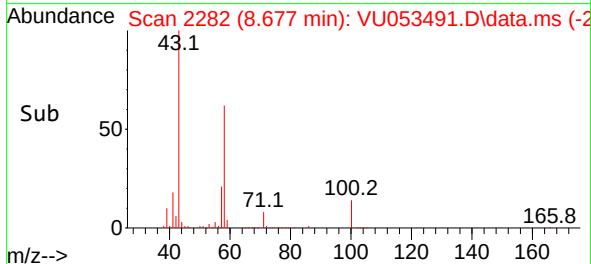
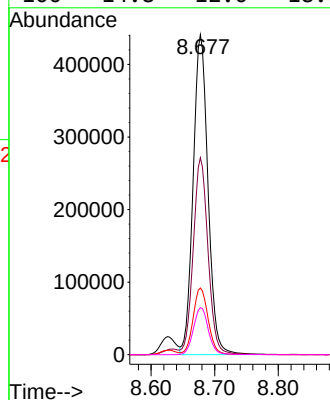
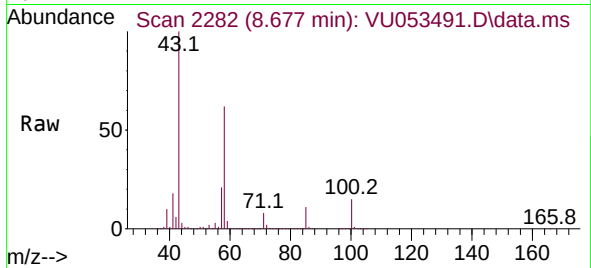




#48
2-Hexanone
Concen: 417.846 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

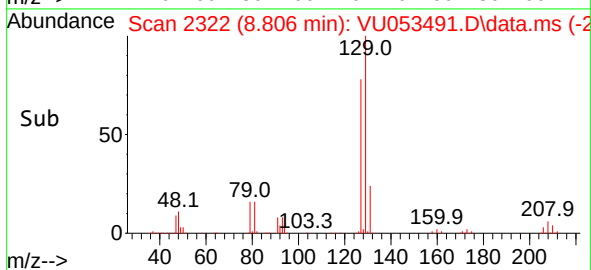
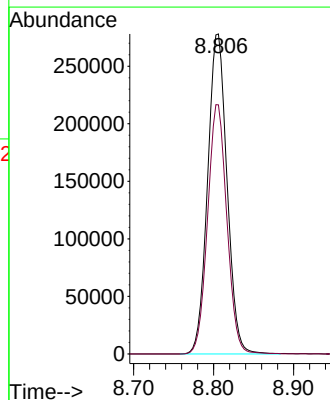
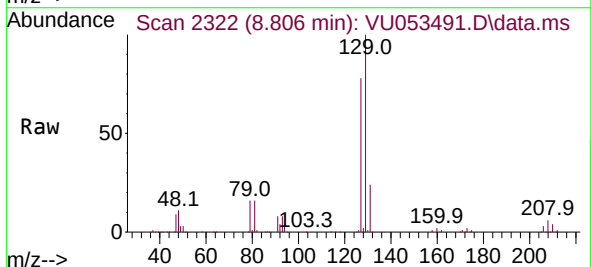
Instrument :
MSVOA_W
ClientSampleId :

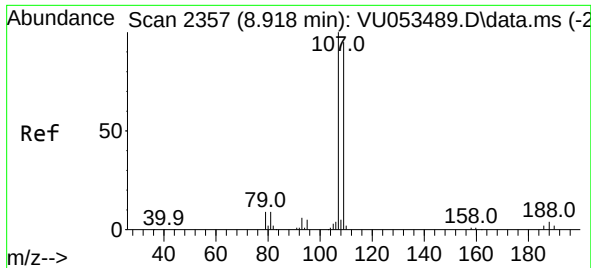
Tgt Ion: 43 Resp: 715105
Ion Ratio Lower Upper
43 100
58 60.9 49.8 74.6
57 20.9 17.8 26.6
100 14.8 12.0 18.0



#49
Dibromochloromethane
Concen: 176.066 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion: 129 Resp: 469056
Ion Ratio Lower Upper
129 100
127 77.9 53.5 99.3

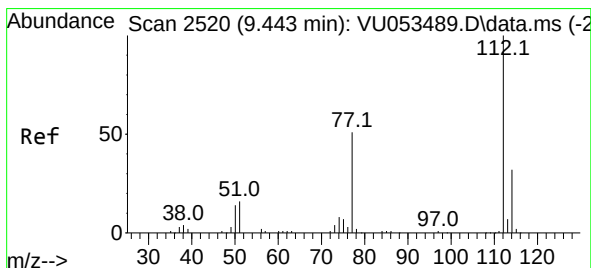
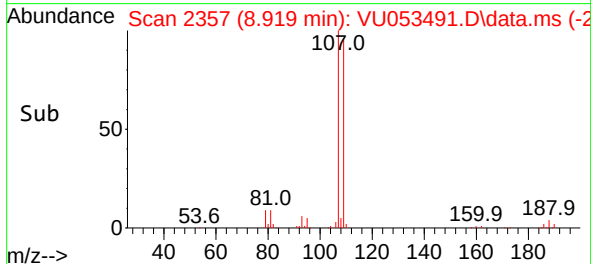
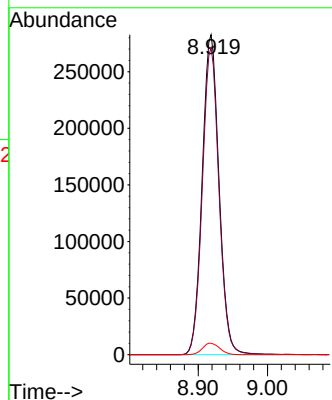
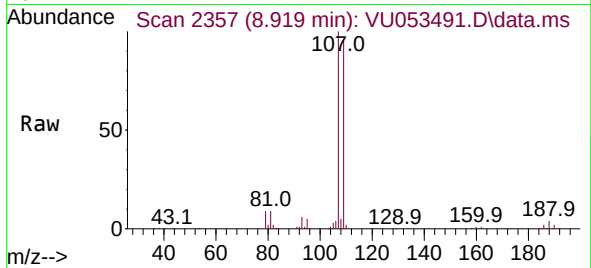




#50
 1,2-Dibromoethane
 Concen: 192.493 ug/L
 RT: 8.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

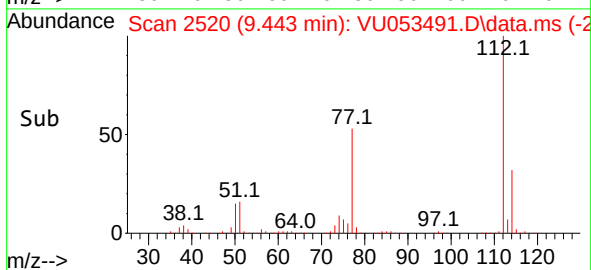
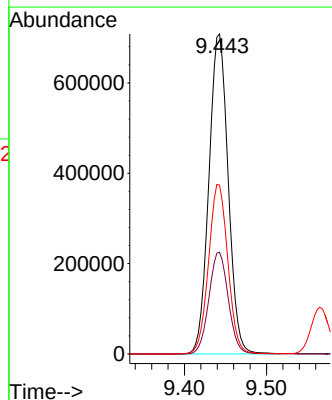
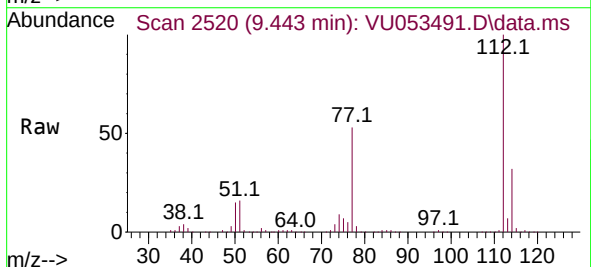
Instrument :
 MSVOA_W
 ClientSampleId :

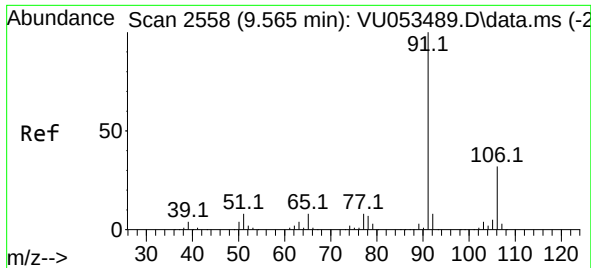
Tgt Ion:107 Resp: 477131
 Ion Ratio Lower Upper
 107 100
 109 96.0 66.3 123.1
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 184.332 ug/L
 RT: 9.443 min Scan# 2520
 Delta R.T. 0.000 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Tgt Ion:112 Resp: 1158033
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.2 41.2
 77 52.8 41.3 61.9

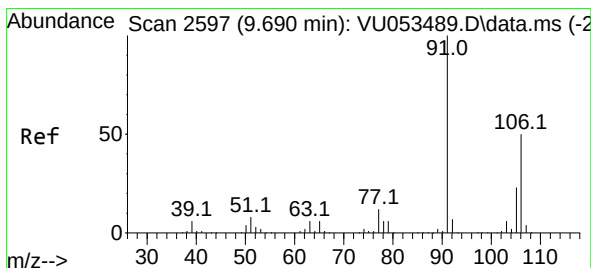
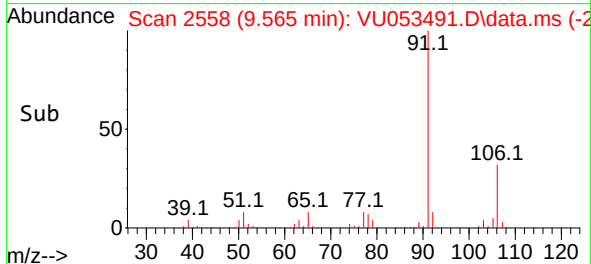
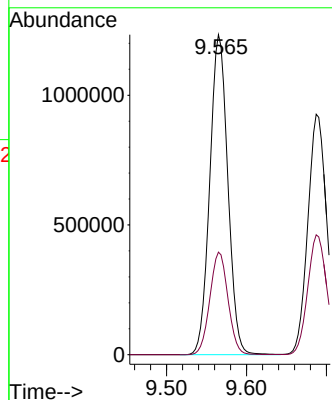
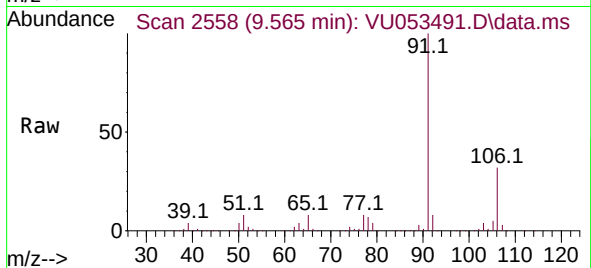




#52
Ethylbenzene
Concen: 181.532 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

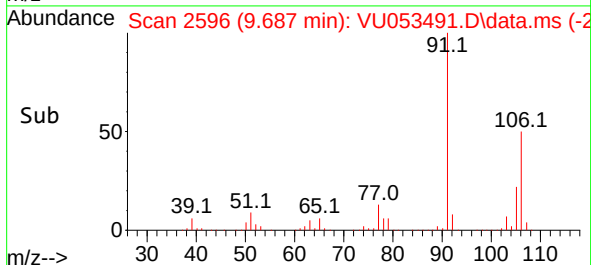
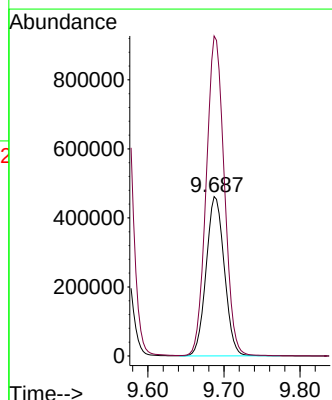
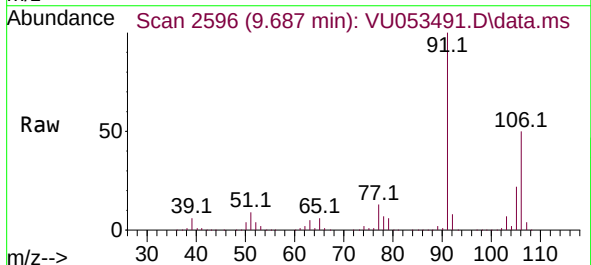
Instrument :
MSVOA_W
ClientSampleId :

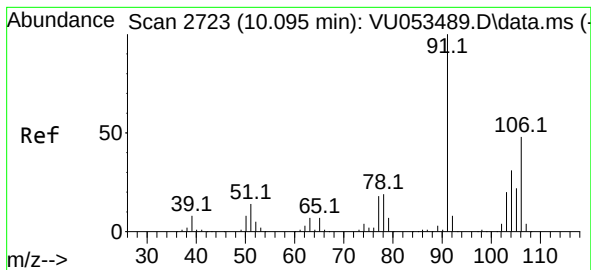
Tgt Ion: 91 Resp: 1935611
Ion Ratio Lower Upper
91 100
106 32.1 22.4 41.6



#53
m,p-Xylene
Concen: 182.101 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion:106 Resp: 764968
Ion Ratio Lower Upper
106 100
91 200.9 140.0 260.0





#54

o-xylene

Concen: 182.467 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

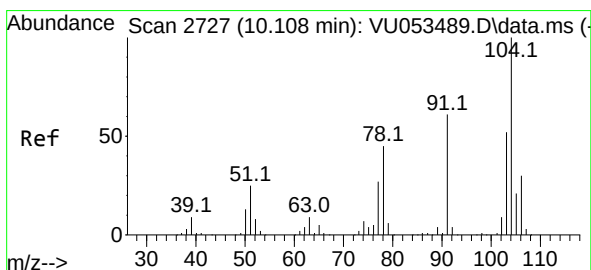
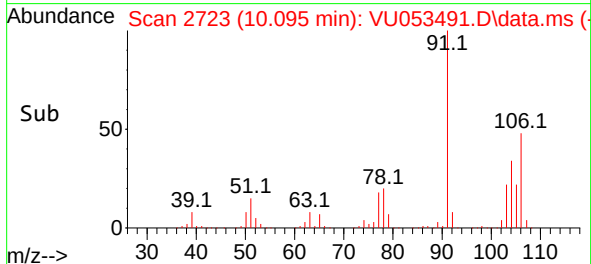
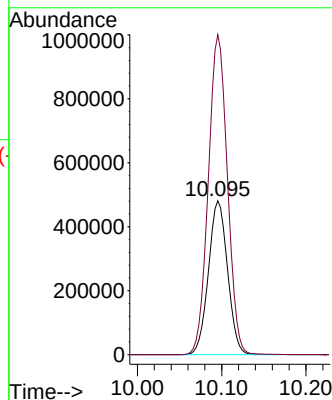
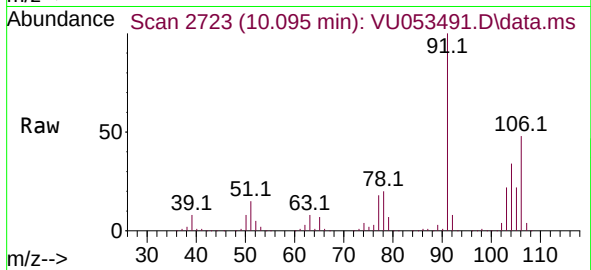
ClientSampleId :

Tgt Ion:106 Resp: 760060

Ion Ratio Lower Upper

106 100

91 208.0 144.9 269.1



#55

Styrene

Concen: 187.375 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053491.D

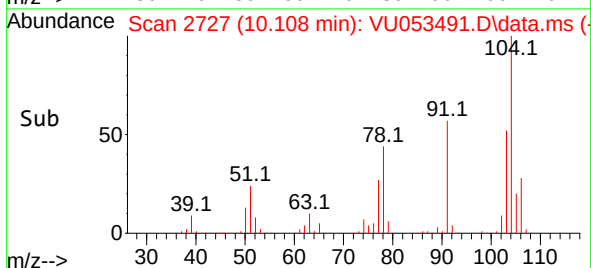
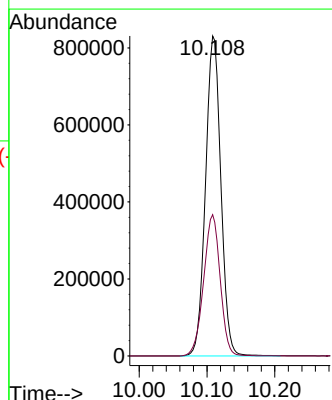
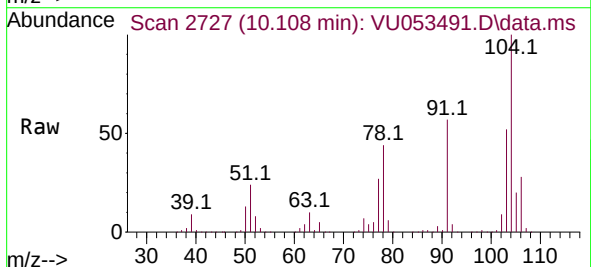
Acq: 31 Mar 2023 14:04

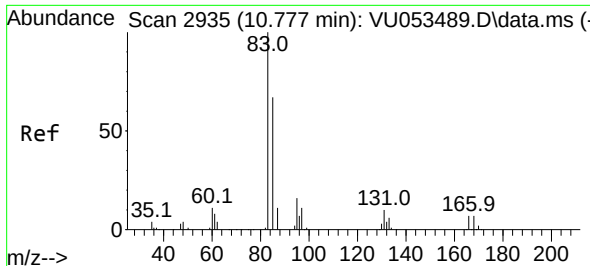
Tgt Ion:104 Resp: 1307346

Ion Ratio Lower Upper

104 100

78 44.2 31.3 58.1

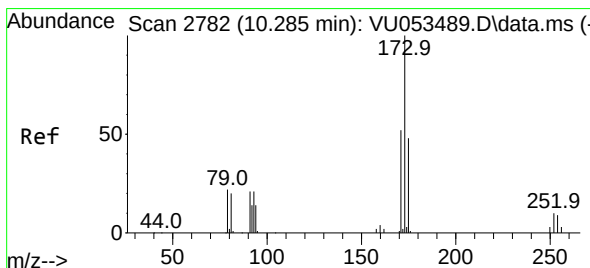
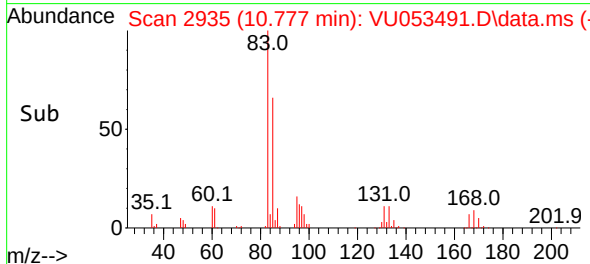
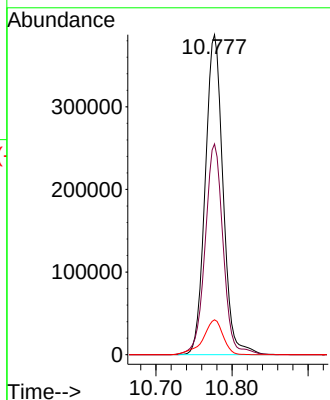
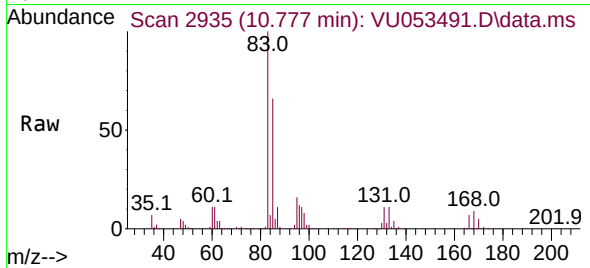




#57
1,1,2,2-Tetrachloroethane
Concen: 180.510 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

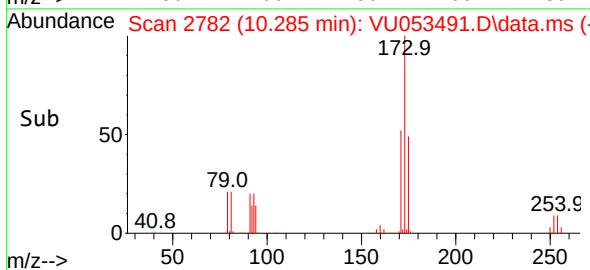
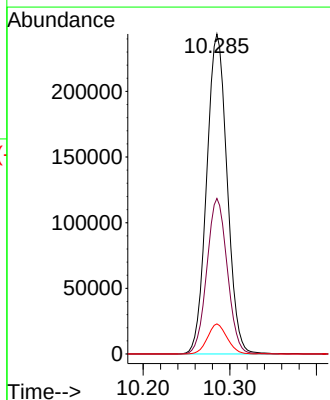
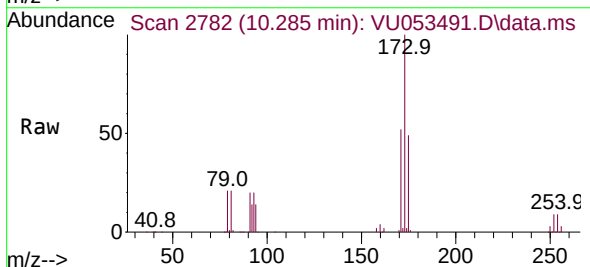
Instrument :
MSVOA_W
ClientSampleId :

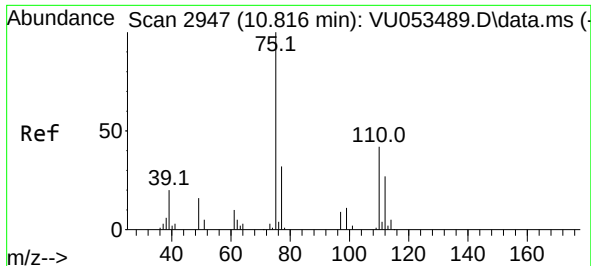
Tgt Ion: 83 Resp: 628198
Ion Ratio Lower Upper
83 100
85 65.9 47.0 87.4
131 10.9 8.7 13.1



#59
Bromoform
Concen: 182.449 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion:173 Resp: 399430
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
254 9.0 7.0 10.4

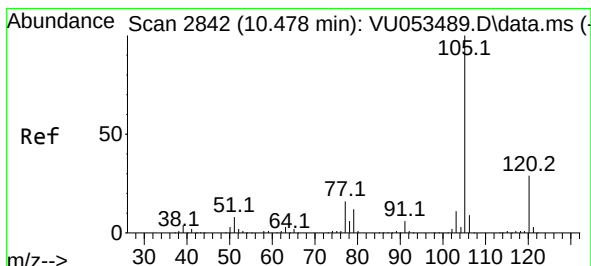
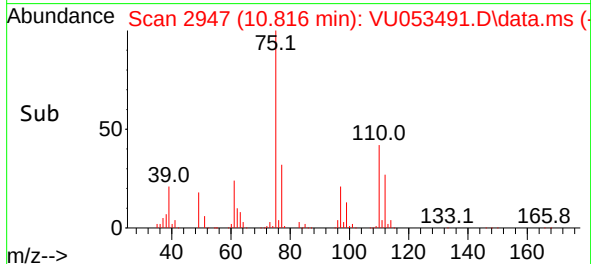
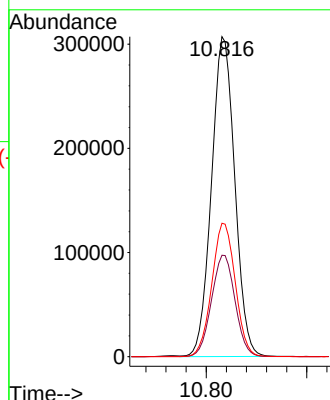
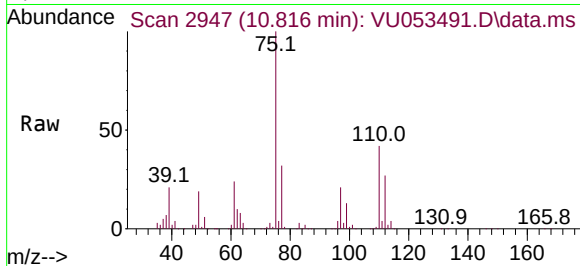




#60
1,2,3-Trichloropropane
Concen: 174.948 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

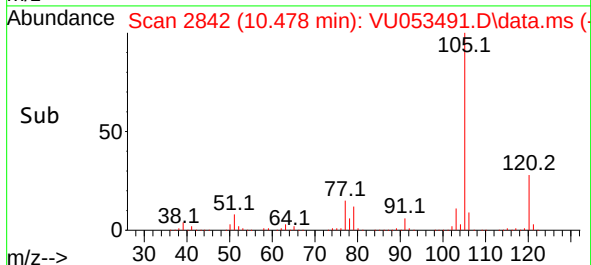
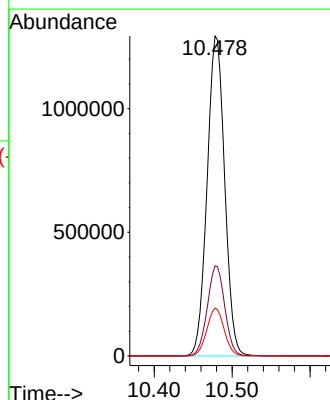
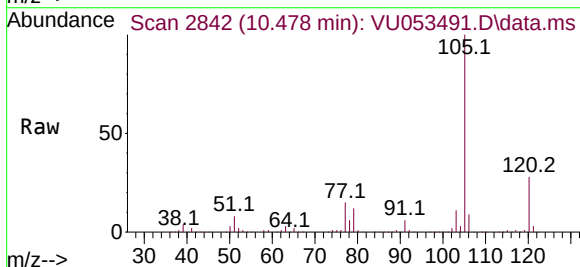
Instrument :
MSVOA_W
ClientSampleId :

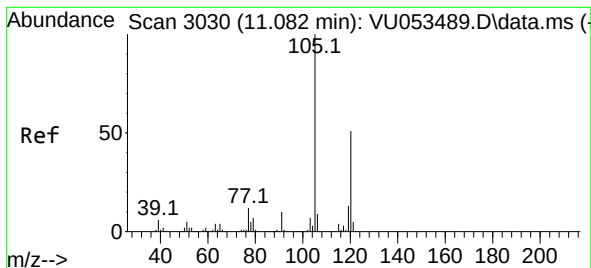
Tgt Ion: 75 Resp: 492506
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 42.2 32.6 48.8



#61
Isopropylbenzene
Concen: 172.500 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion: 105 Resp: 2022098
Ion Ratio Lower Upper
105 100
120 28.0 22.4 33.6
77 14.8 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 170.220 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

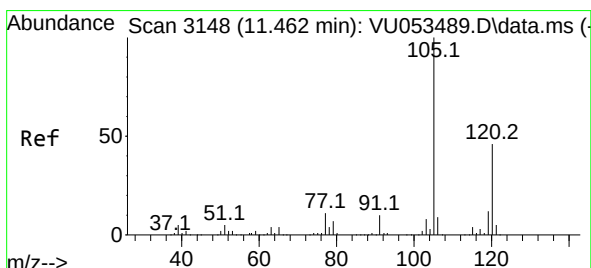
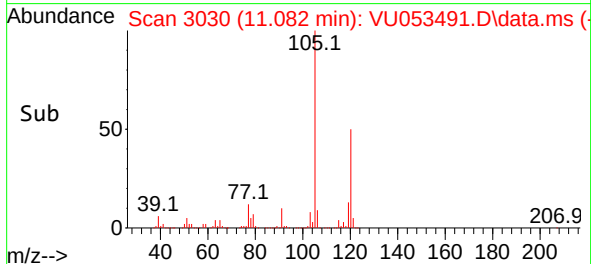
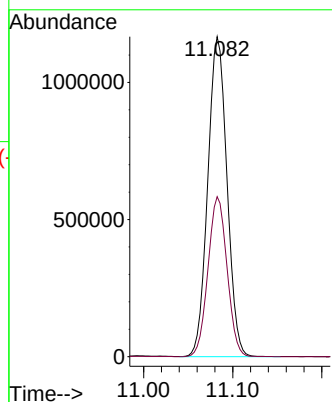
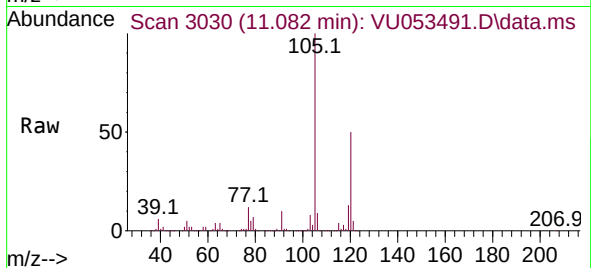
ClientSampleId :

Tgt Ion:105 Resp: 1742821

Ion Ratio Lower Upper

105 100

120 49.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 175.729 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053491.D

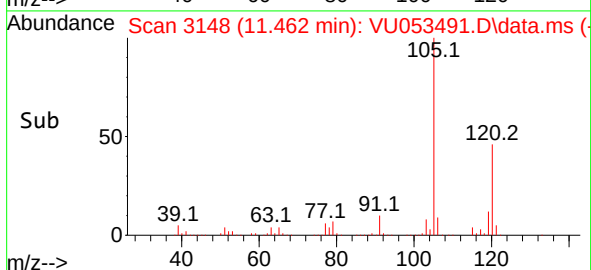
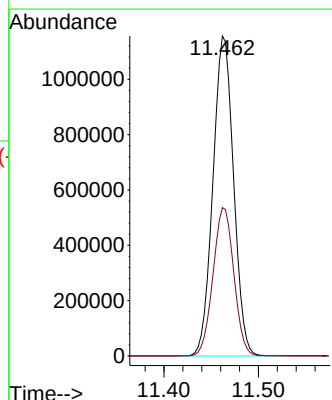
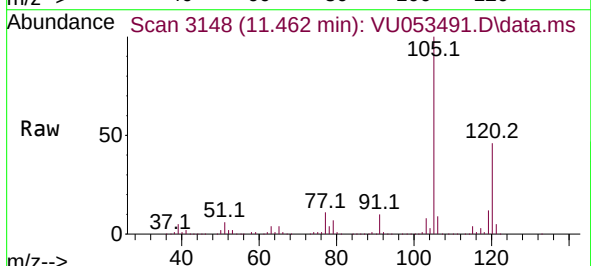
Acq: 31 Mar 2023 14:04

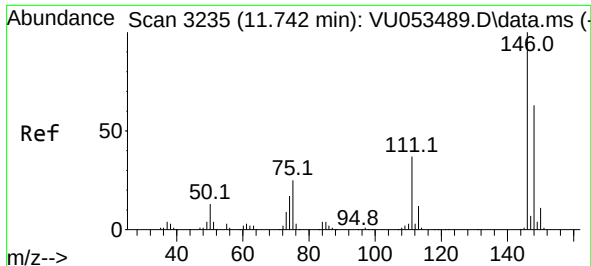
Tgt Ion:105 Resp: 1753793

Ion Ratio Lower Upper

105 100

120 46.7 37.5 56.3

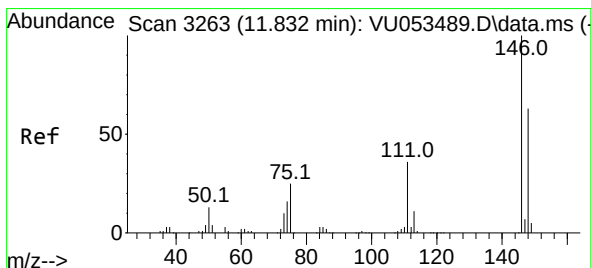
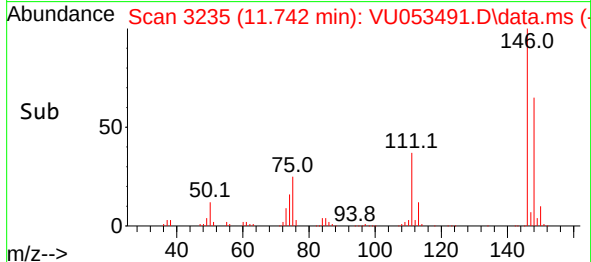
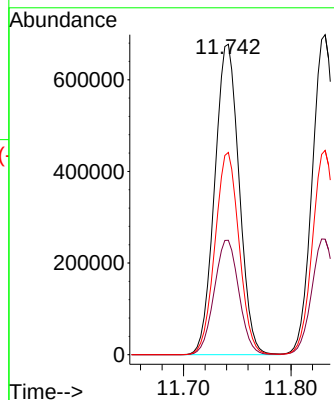
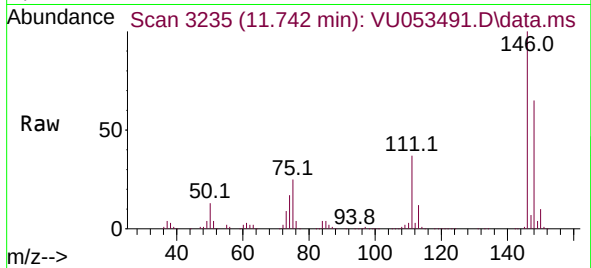




#64
1,3-Dichlorobenzene
Concen: 198.766 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

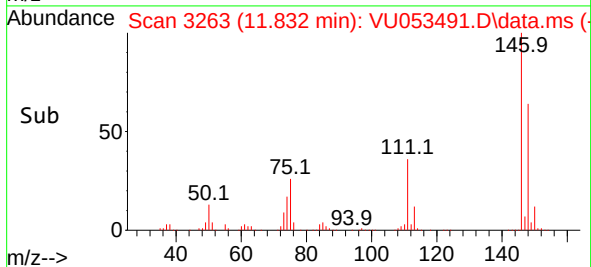
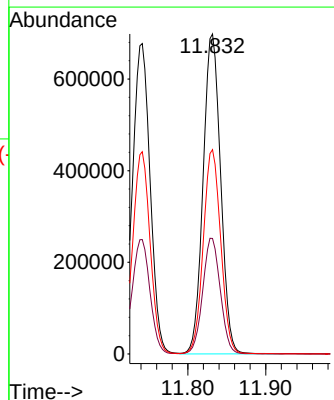
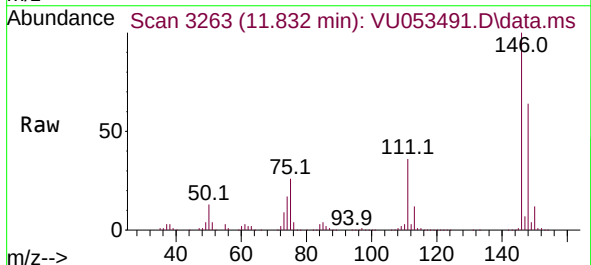
Instrument :
MSVOA_W
ClientSampleId :

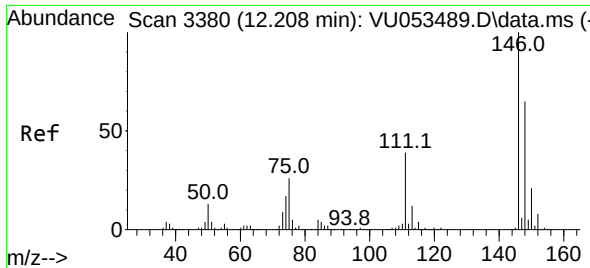
Tgt Ion:146 Resp: 1071915
Ion Ratio Lower Upper
146 100
111 36.9 25.7 47.7
148 65.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 200.734 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

Tgt Ion:146 Resp: 1089611
Ion Ratio Lower Upper
146 100
111 36.1 25.1 46.5
148 63.9 44.3 82.3

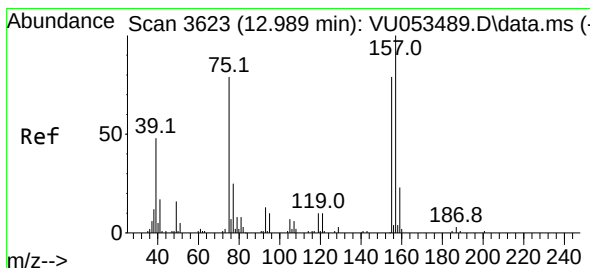
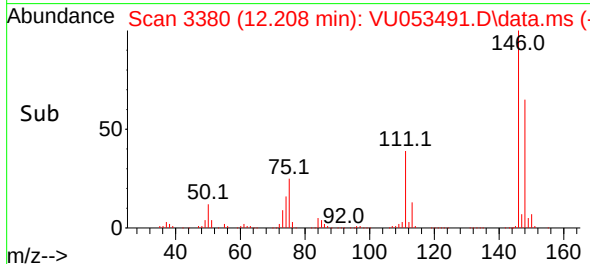
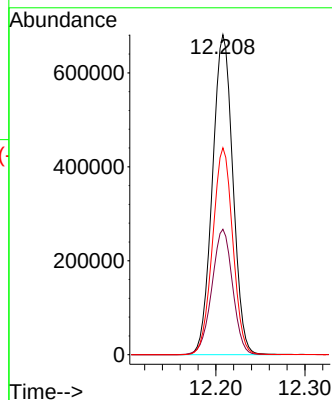
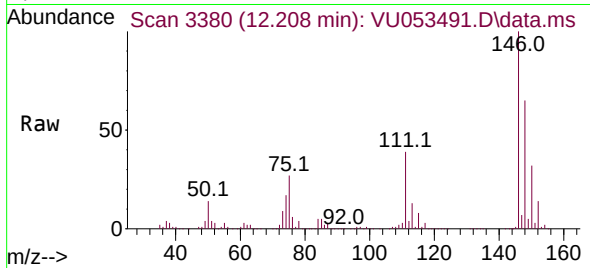




#67
1,2-Dichlorobenzene
Concen: 199.688 ug/L
RT: 12.208 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

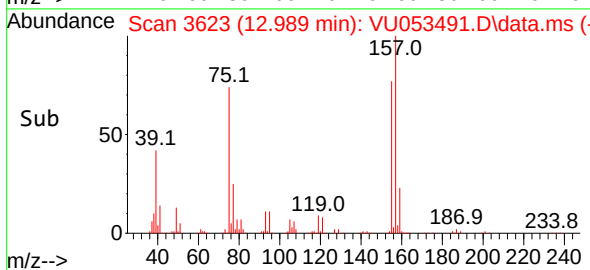
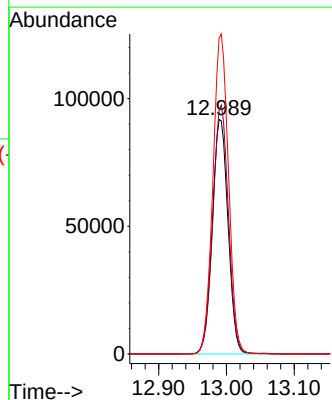
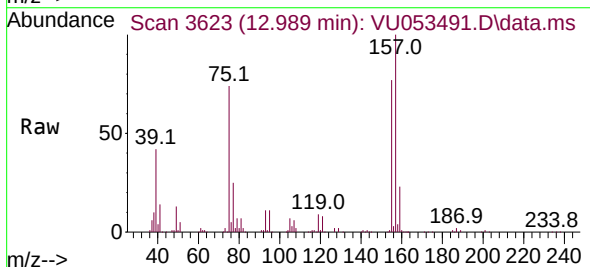
Instrument :
MSVOA_W
ClientSampleId :

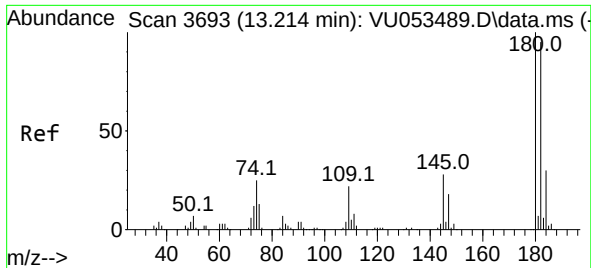
Tgt Ion:146 Resp: 1085177
Ion Ratio Lower Upper
146 100
111 39.2 31.5 47.3
148 64.6 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 177.966 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. 0.000 min
Lab File: VU053491.D
Acq: 31 Mar 2023 14:04

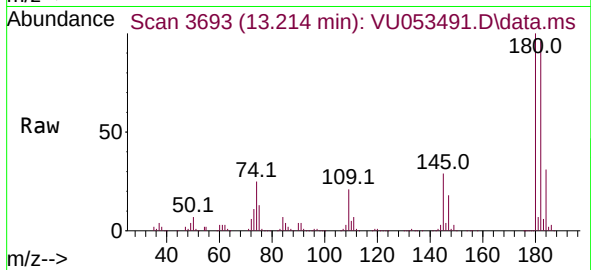
Tgt Ion: 75 Resp: 148833
Ion Ratio Lower Upper
75 100
155 103.9 79.9 119.9
157 134.8 100.8 151.2





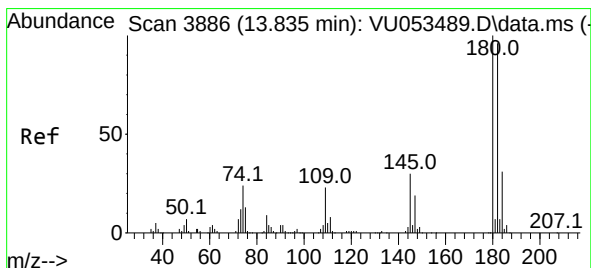
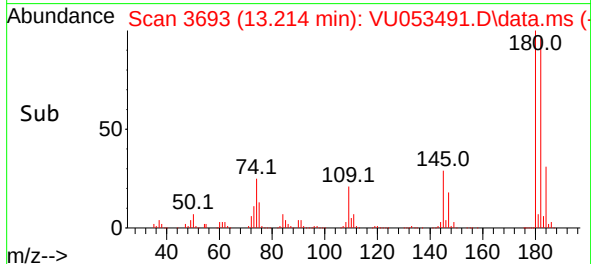
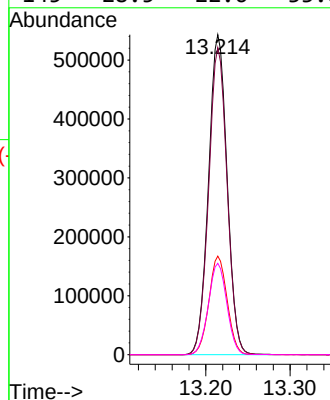
#69
 1,3,5-Trichlorobenzene
 Concen: 201.333 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 832758

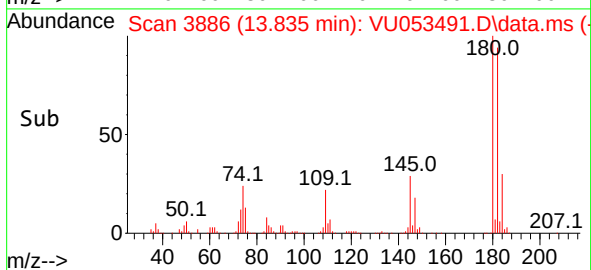
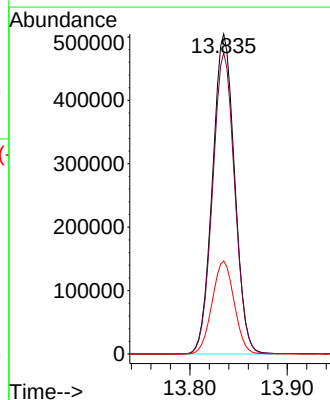
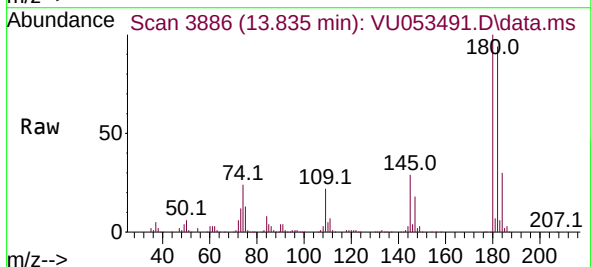
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
184	30.4	24.2	36.2
145	28.5	22.6	33.8

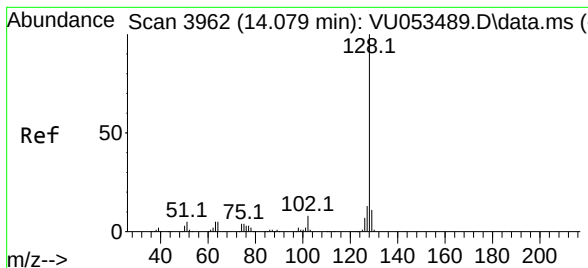


#70
 1,2,4-trichlorobenzene
 Concen: 213.257 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053491.D
 Acq: 31 Mar 2023 14:04

Tgt Ion:180 Resp: 794227

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.8
145	29.0	23.4	35.2





#71

Naphthalene

Concen: 211.025 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :

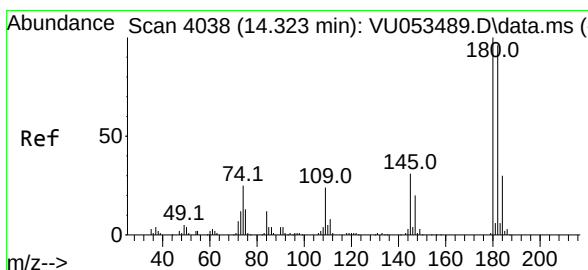
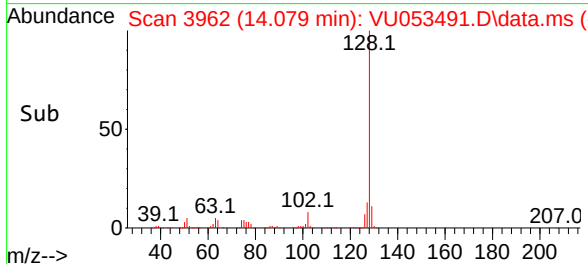
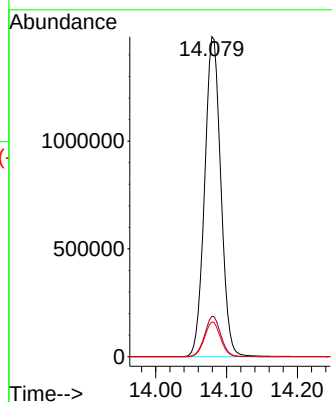
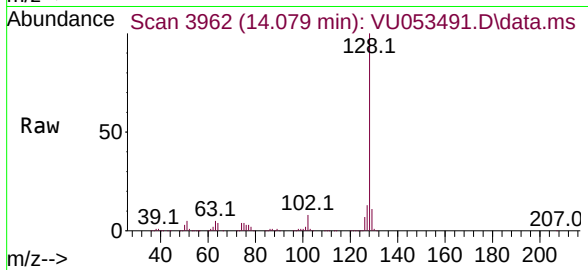
Tgt Ion:128 Resp: 2351012

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 214.021 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053491.D

Acq: 31 Mar 2023 14:04

Tgt Ion:180 Resp: 783048

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

145 30.9 25.4 38.0

