

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053010.D
 Acq On : 08 Feb 2023 20:04
 Operator : JC/MD
 Sample : VIBLK110
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK110

Quant Time: Feb 09 01:50:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 01:09:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	303196	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	285606	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	150120	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	123989	44.016	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.040%
7) Chloroethane-d5	1.913	69	101343	44.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.960%
11) 1,1-Dichloroethene-d2	2.566	63	153450	35.549	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.100%
21) 2-Butanone-d5	4.627	46	110945	101.549	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.550%
24) Chloroform-d	5.058	84	217868	46.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
26) 1,2-Dichloroethane-d4	5.698	65	134251	48.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.460%
32) Benzene-d6	5.723	84	457869	48.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.640%
36) 1,2-Dichloropropane-d6	6.688	67	140605	48.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.180%
41) Toluene-d8	7.894	98	444879	47.916	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
43) trans-1,3-Dichloroprop...	8.177	79	78311	48.874	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.740%
47) 2-Hexanone-d5	8.630	63	90967	102.461	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.460%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	194790	48.128	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.260%
66) 1,2-Dichlorobenzene-d4	12.189	152	163572	48.959	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3249	1.363	ug/L	96
3) Chloromethane	1.518	50	3810	1.733	ug/L	99
5) Vinyl chloride	1.605	62	4783	1.767	ug/L #	52
6) Bromomethane	1.859	94	2504	1.340	ug/L	95
8) Chloroethane	1.936	64	2429	1.464	ug/L	89
9) Trichlorofluoromethane	2.138	101	5359	1.293	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	3780	1.811	ug/L #	76
12) 1,1-Dichloroethene	2.576	96	4467	2.246	ug/L #	1
14) Carbon disulfide	2.791	76	16996	2.872	ug/L	99
15) Methyl Acetate	2.958	43	2650	1.851	ug/L	96
17) trans-1,2-Dichloroethene	3.354	96	4371	2.055	ug/L	81
18) Methyl tert-butyl Ether	3.360	73	8216	1.241	ug/L #	89
19) 1,1-Dichloroethane	3.871	63	4657	1.277	ug/L #	78
20) cis-1,2-Dichloroethene	4.662	96	4341	1.809	ug/L #	68
22) 2-Butanone	4.730	43	2430	2.089	ug/L	95
23) Bromochloromethane	4.974	128	2121	1.639	ug/L	92
25) Chloroform	5.083	83	7170	1.759	ug/L	91
27) 1,2-Dichloroethane	5.794	62	4478	1.537	ug/L #	41
29) Cyclohexane	5.382	56	4158	1.239	ug/L #	92

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

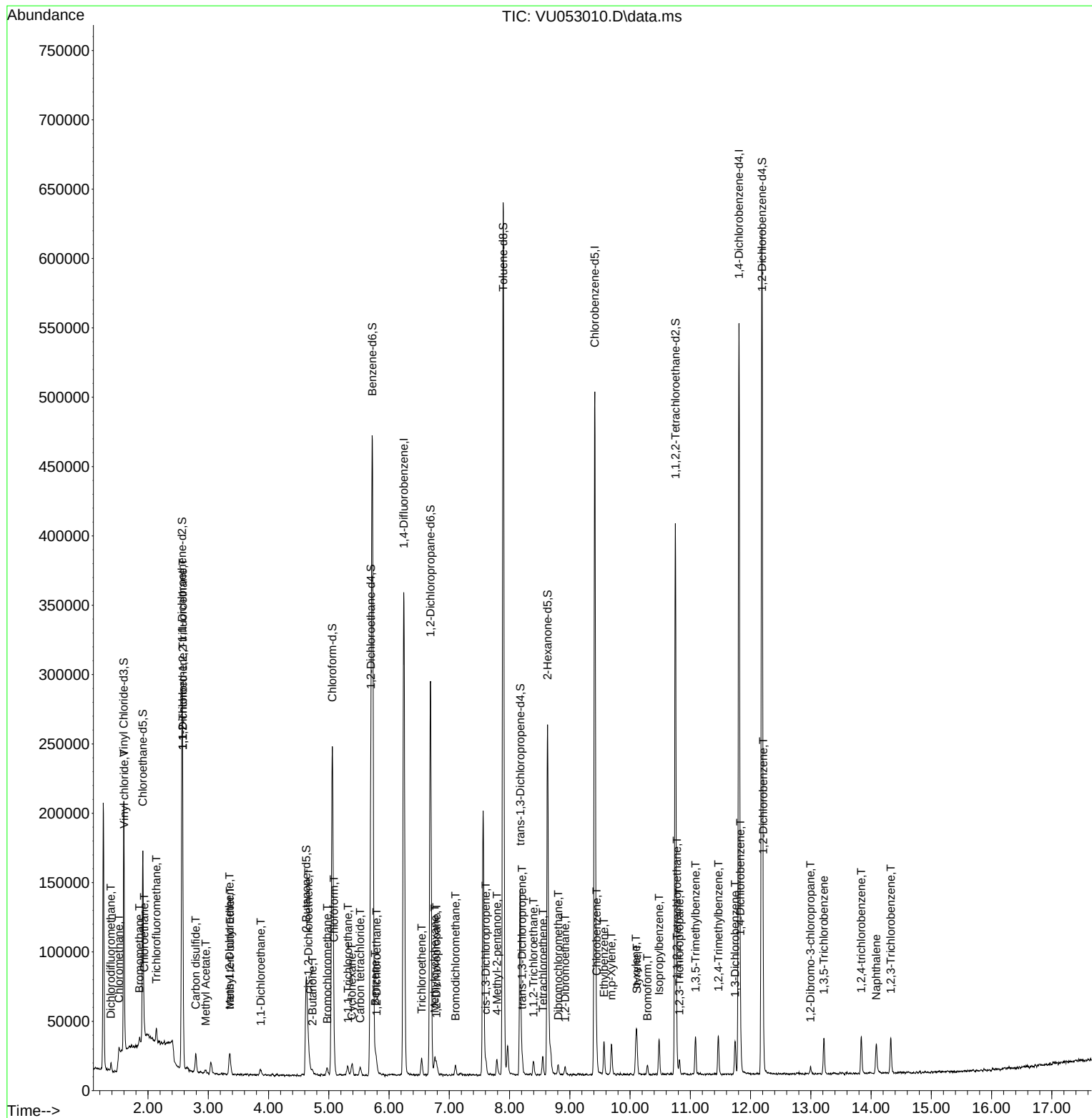
30) 1,1,1-Trichloroethane	5.318	97	4582	1.248	ug/L #	81
31) Carbon tetrachloride	5.521	117	4086	1.269	ug/L	99
33) Benzene	5.772	78	11185	1.277	ug/L	100
34) Trichloroethene	6.540	95	3908	1.641	ug/L	87
35) Methylcyclohexane	6.759	83	5716	1.414	ug/L	94
37) 1,2-Dichloropropane	6.788	63	2841	1.280	ug/L #	92
38) Bromodichloromethane	7.103	83	4711	1.469	ug/L	92
39) cis-1,3-Dichloropropene	7.604	75	5964	1.563	ug/L	97
40) 4-Methyl-2-pentanone	7.791	43	6996	3.254	ug/L	93
44) trans-1,3-Dichloropropene	8.209	75	5957	1.610	ug/L	95
45) 1,1,2-Trichloroethane	8.395	97	3168	1.385	ug/L	90
46) Tetrachloroethene	8.553	164	2906	1.541	ug/L	94
49) Dibromochloromethane	8.807	129	4011	1.452	ug/L	92
50) 1,2-Dibromoethane	8.923	107	4251	1.699	ug/L #	96
51) Chlorobenzene	9.443	112	10757	1.685	ug/L	95
52) Ethylbenzene	9.569	91	16542	1.516	ug/L	100
53) m,p-Xylene	9.691	106	6645	1.540	ug/L	98
54) o-xylene	10.099	106	6081	1.427	ug/L	95
55) Styrene	10.115	104	11350	1.579	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	5784	1.622	ug/L	99
59) Bromoform	10.289	173	2922	1.489	ug/L #	95
60) 1,2,3-Trichloropropane	10.820	75	4075	1.654	ug/L #	87
61) Isopropylbenzene	10.482	105	17617	1.707	ug/L	96
62) 1,3,5-Trimethylbenzene	11.086	105	15552	1.712	ug/L	93
63) 1,2,4-Trimethylbenzene	11.466	105	16046	1.813	ug/L	93
64) 1,3-Dichlorobenzene	11.742	146	9855	2.117	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	10105	2.158	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	9886	2.115	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.993	75	1230	1.642	ug/L	90
69) 1,3,5-Trichlorobenzene	13.215	180	8398	2.328	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	8128	2.522	ug/L	96
71) Naphthalene	14.086	128	19106	2.000	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	8509	2.693	ug/L	95

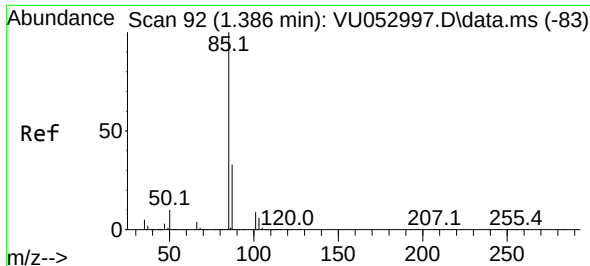
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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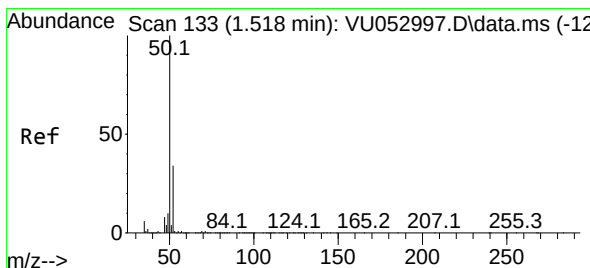
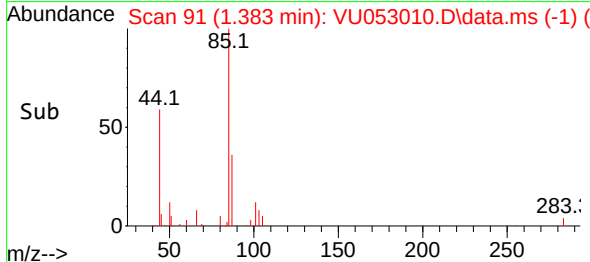
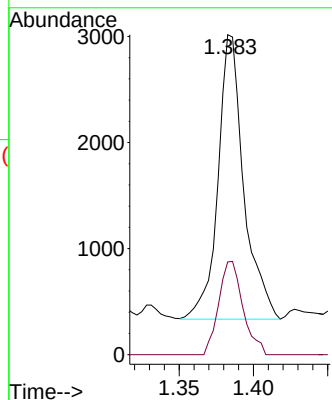
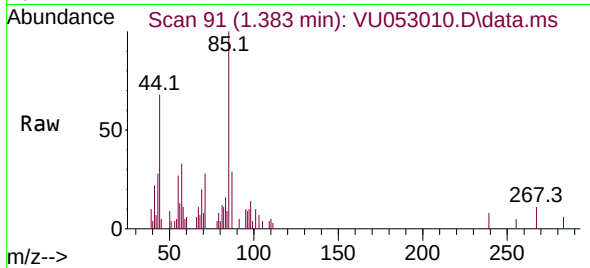




#2
Dichlorodifluoromethane
Concen: 1.363 ug/L
RT: 1.383 min Scan# 91
Delta R.T. -0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

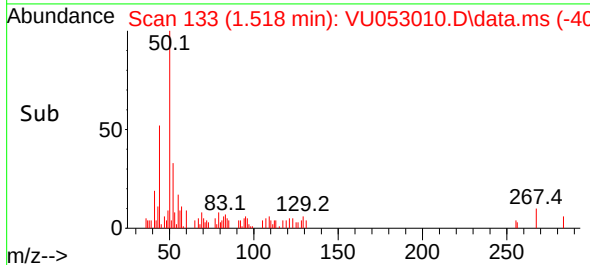
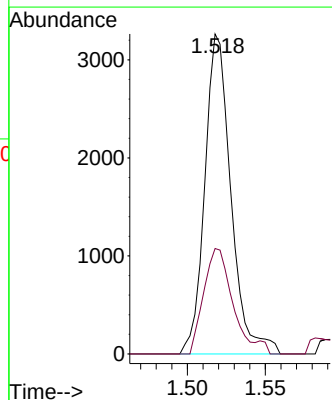
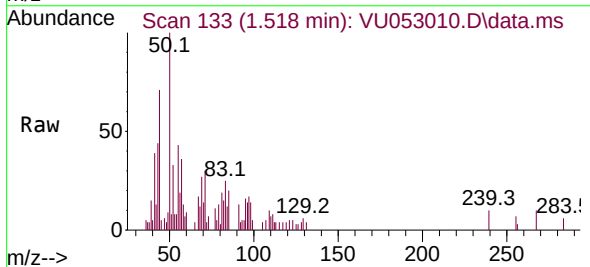
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MSVOA_U
ClientSampleId :
VIBLK110

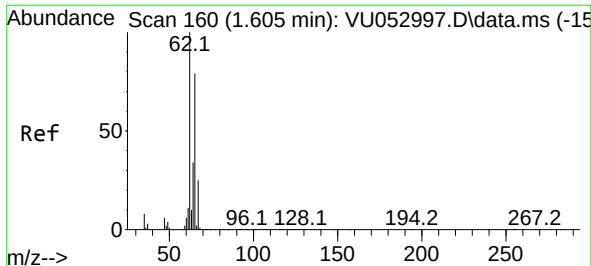
Tgt Ion: 85 Resp: 3249
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6



#3
Chloromethane
Concen: 1.733 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 50 Resp: 3810
Ion Ratio Lower Upper
50 100
52 32.9 23.4 43.4

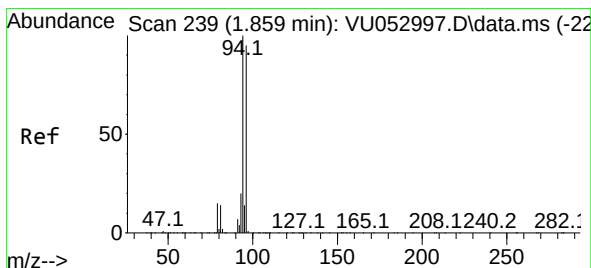
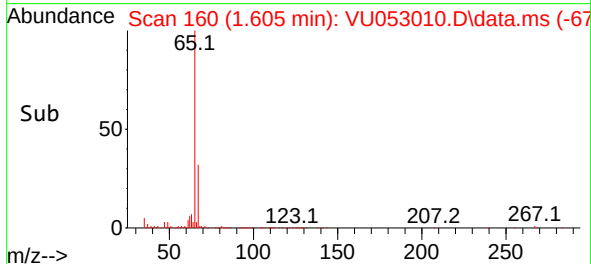
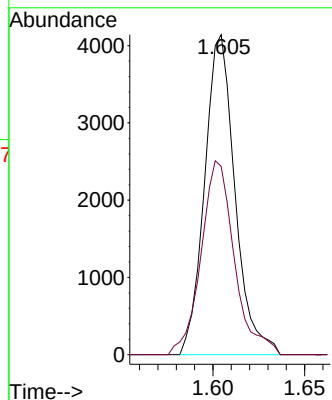
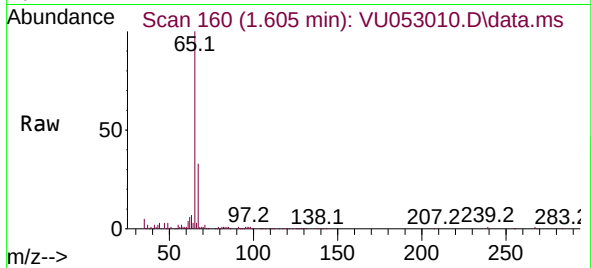




#5
 Vinyl chloride
 Concen: 1.767 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU053010.D
 Acq: 08 Feb 2023 20:04

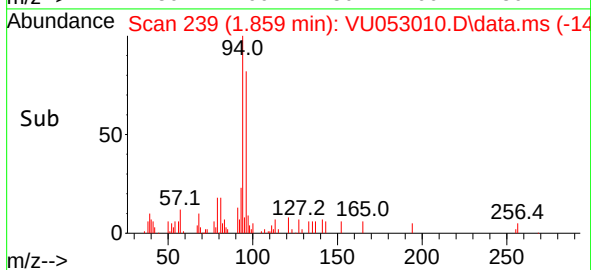
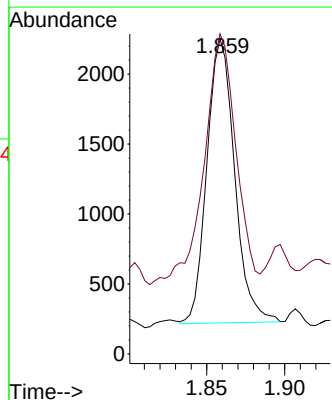
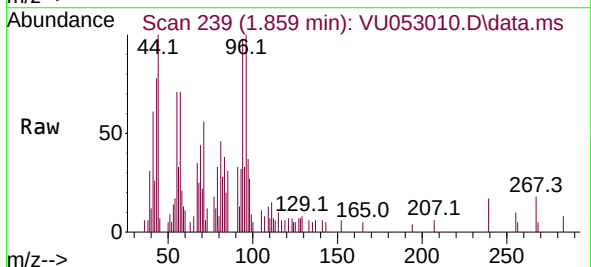
Instrument :
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 ClientSampleId :
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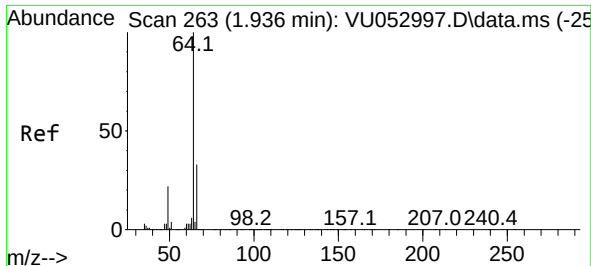
Tgt Ion: 62 Resp: 4783
 Ion Ratio Lower Upper
 62 100
 64 58.9 22.4 41.6#



#6
 Bromomethane
 Concen: 1.340 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053010.D
 Acq: 08 Feb 2023 20:04

Tgt Ion: 94 Resp: 2504
 Ion Ratio Lower Upper
 94 100
 96 101.6 67.8 125.8





#8

Chloroethane

Concen: 1.464 ug/L

RT: 1.936 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

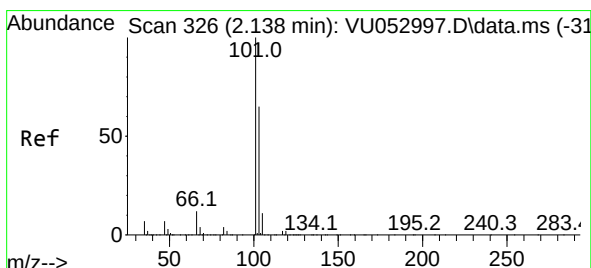
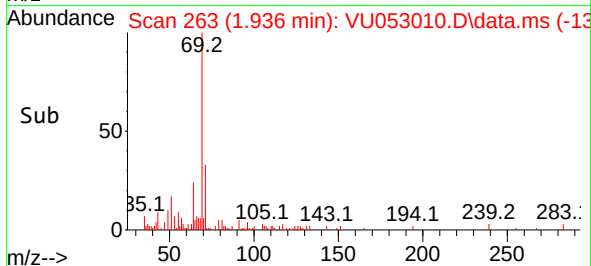
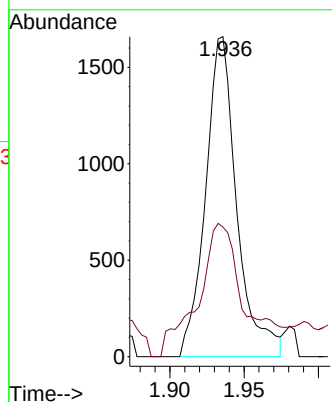
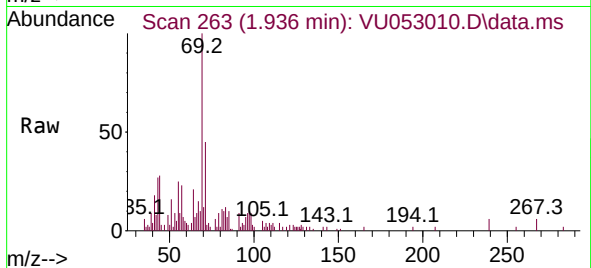
VIBLK110

Tgt Ion: 64 Resp: 2429

Ion Ratio Lower Upper

64 100

66 40.5 24.1 44.7



#9

Trichlorofluoromethane

Concen: 1.293 ug/L

RT: 2.138 min Scan# 326

Delta R.T. -0.000 min

Lab File: VU053010.D

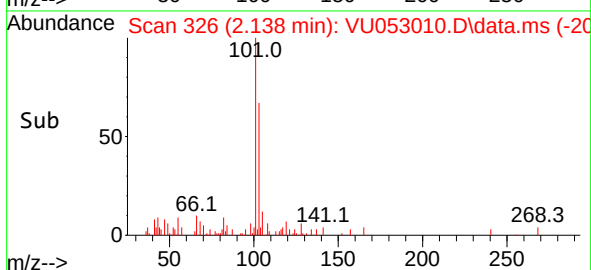
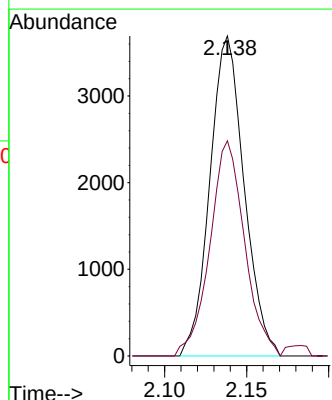
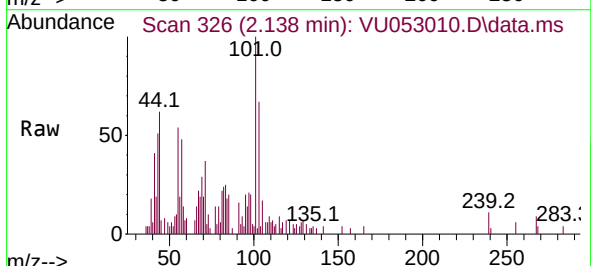
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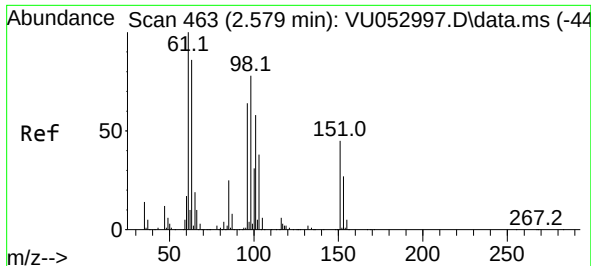
Tgt Ion:101 Resp: 5359

Ion Ratio Lower Upper

101 100

103 68.0 52.0 78.0

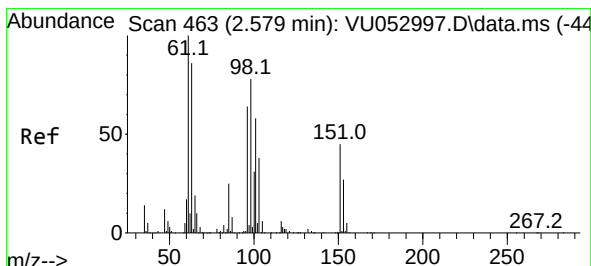
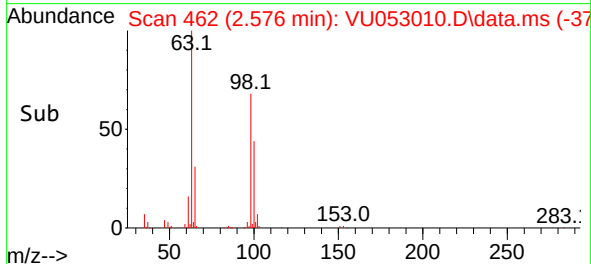
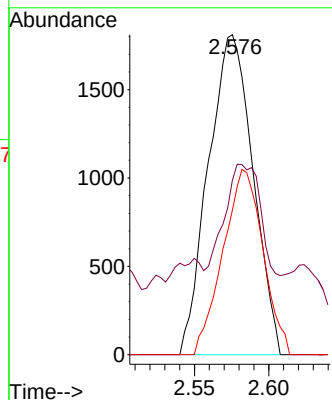
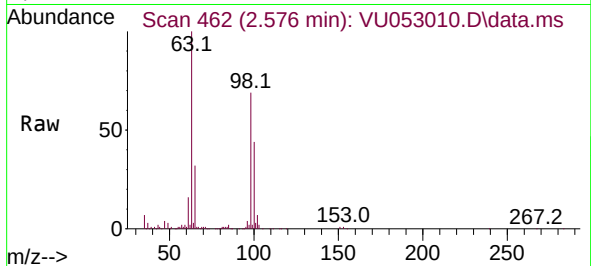




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.811 ug/L
RT: 2.576 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

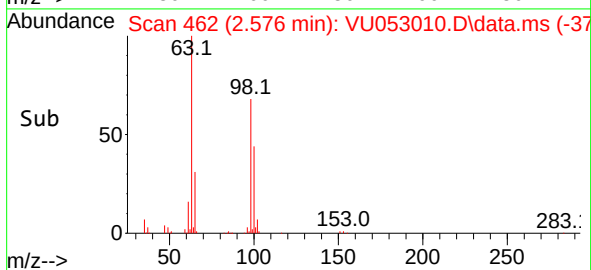
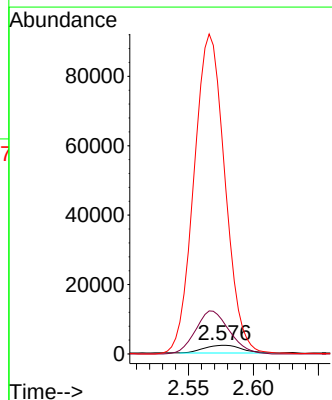
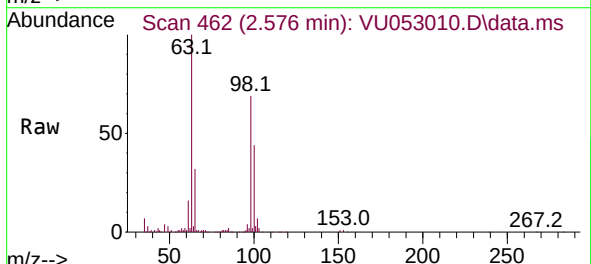
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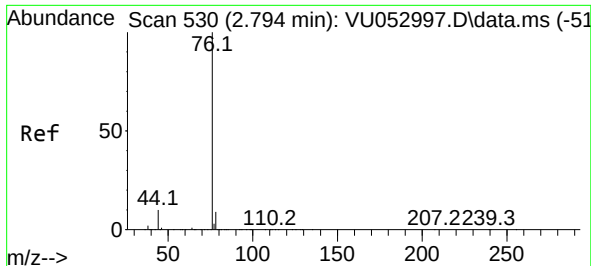
Tgt Ion:101 Resp: 3780
Ion Ratio Lower Upper
101 100
85 33.3 32.9 49.3
151 52.0 62.6 94.0#



#12
1,1-Dichloroethene
Concen: 2.246 ug/L
RT: 2.576 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 96 Resp: 4467
Ion Ratio Lower Upper
96 100
61 397.1 114.3 212.3#
63 2540.8 80.6 149.6#

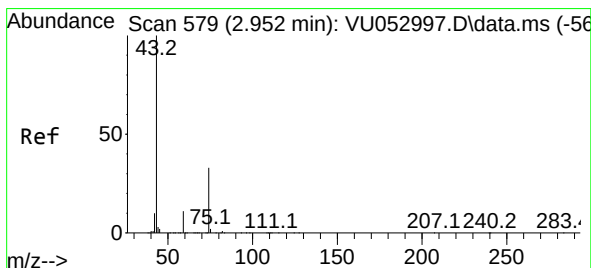
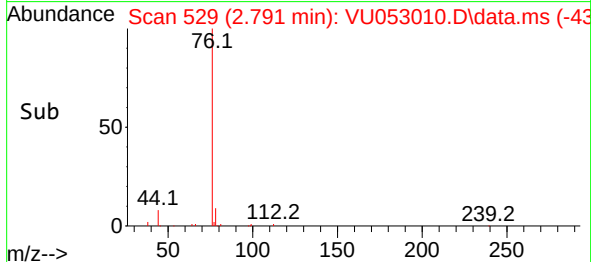
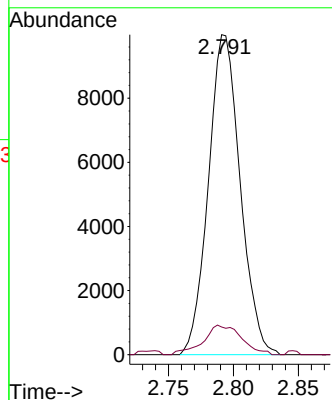
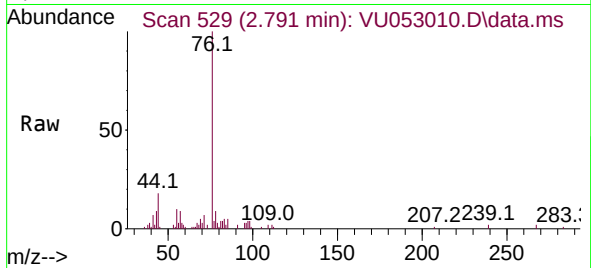




#14
Carbon disulfide
Concen: 2.872 ug/L
RT: 2.791 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

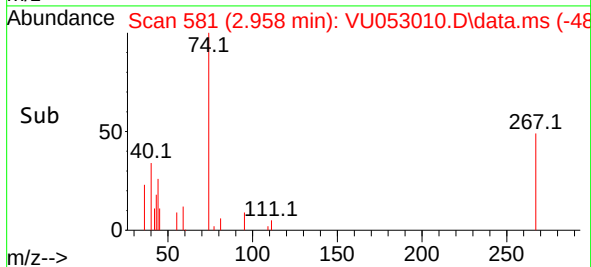
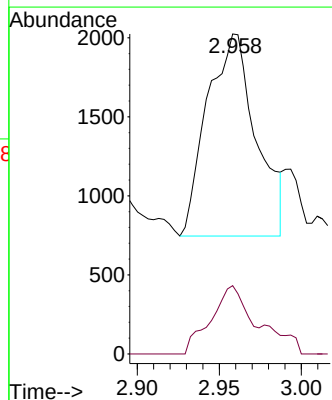
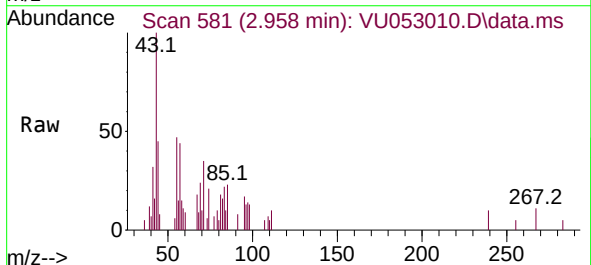
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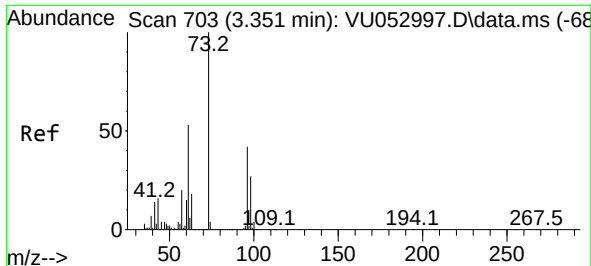
Tgt Ion: 76 Resp: 16996
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#15
Methyl Acetate
Concen: 1.851 ug/L
RT: 2.958 min Scan# 581
Delta R.T. 0.006 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 43 Resp: 2650
Ion Ratio Lower Upper
43 100
74 25.5 22.0 33.0





#17

trans-1,2-Dichloroethene

Concen: 2.055 ug/L

RT: 3.354 min Scan# 703

Delta R.T. 0.003 min

Lab File: VU053010.D

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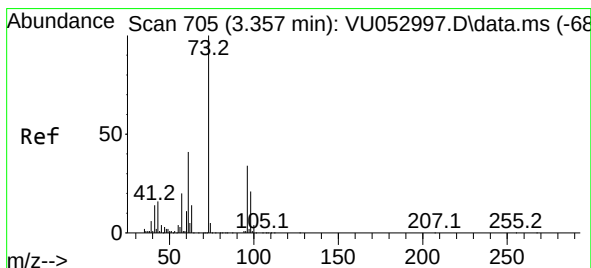
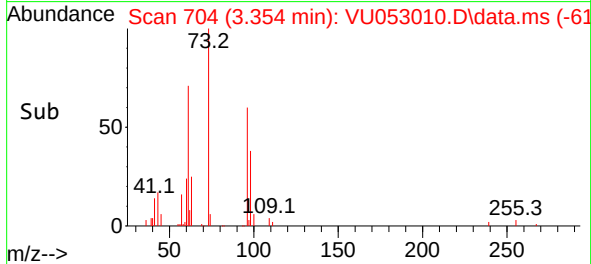
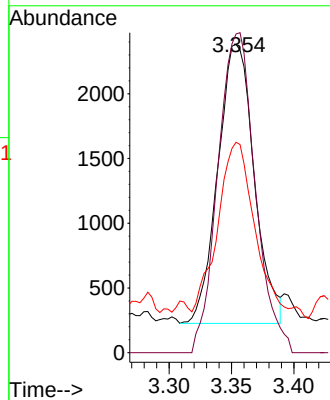
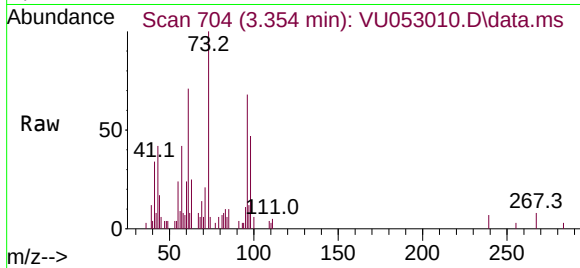
Tgt Ion: 96 Resp: 4371

Ion Ratio Lower Upper

96 100

61 103.4 92.7 172.3

98 68.2 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 1.241 ug/L

RT: 3.360 min Scan# 706

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

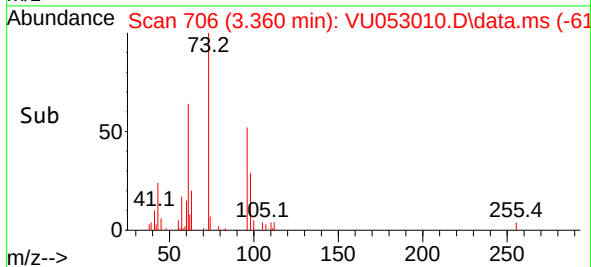
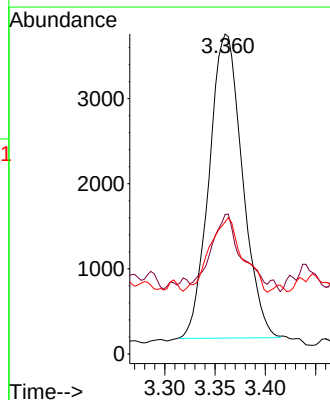
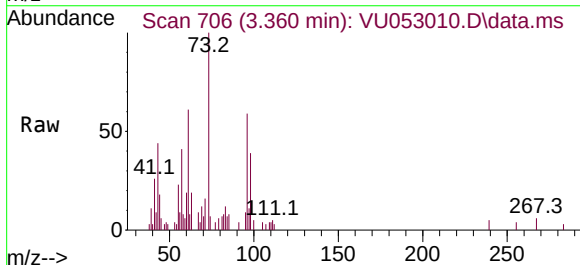
Tgt Ion: 73 Resp: 8216

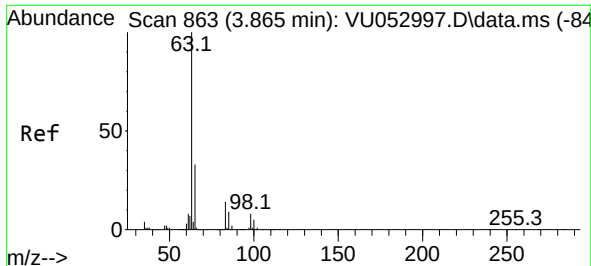
Ion Ratio Lower Upper

73 100

43 23.9 14.2 21.2#

57 24.3 16.3 24.5





#19

1,1-Dichloroethane

Concen: 1.277 ug/L

RT: 3.871 min Scan# 863

Delta R.T. 0.006 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VIBLK110

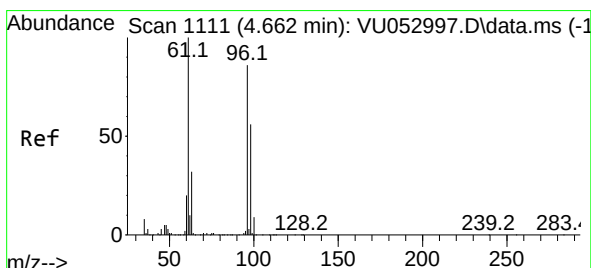
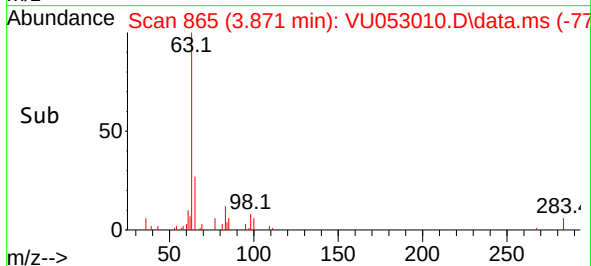
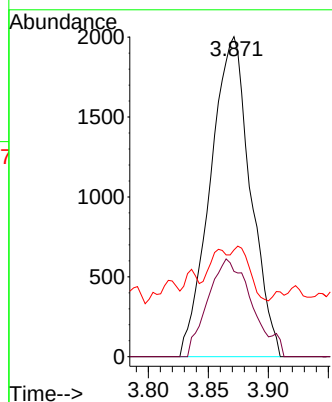
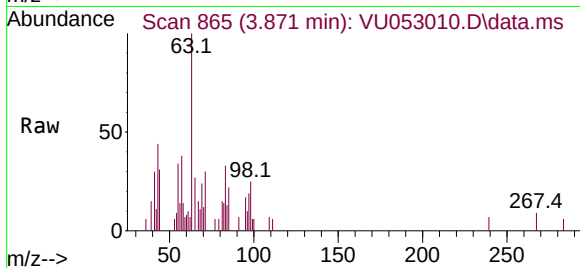
Tgt Ion: 63 Resp: 4657

Ion Ratio Lower Upper

63 100

65 26.7 22.4 41.6

83 33.3 9.2 17.2#



#20

cis-1,2-Dichloroethene

Concen: 1.809 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

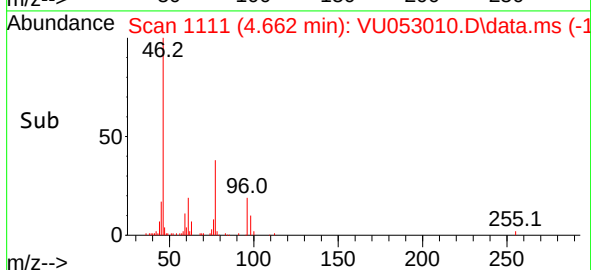
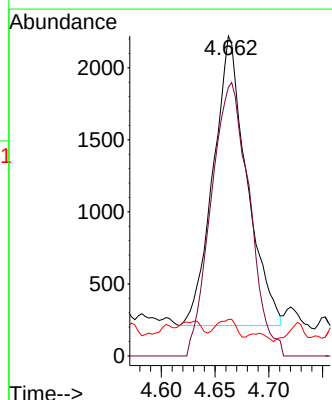
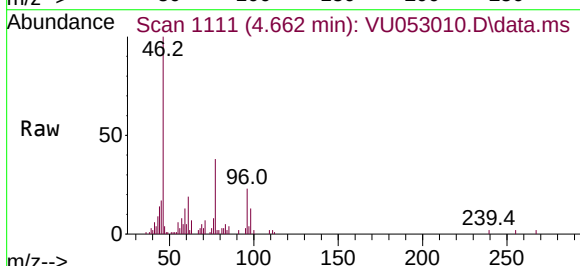
Tgt Ion: 96 Resp: 4341

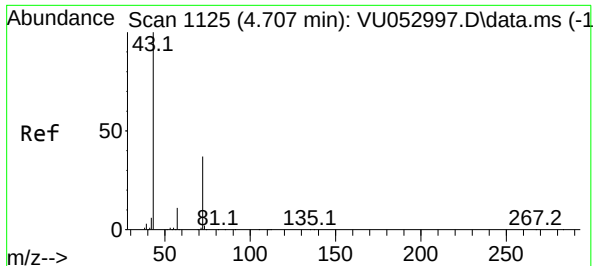
Ion Ratio Lower Upper

96 100

61 84.0 84.1 156.1#

68 11.4 0.0 0.0#

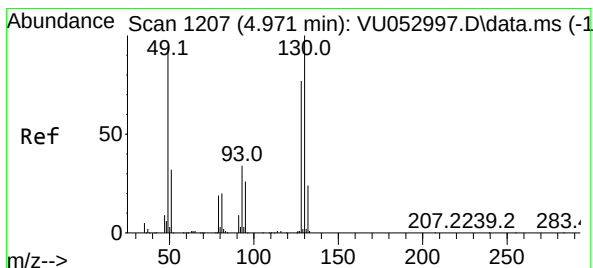
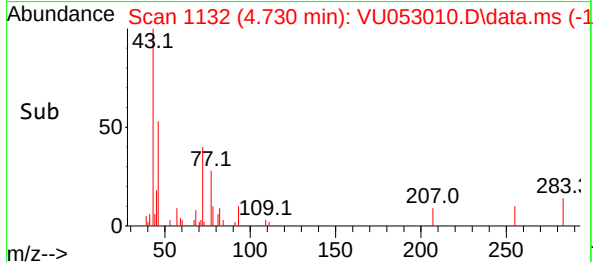
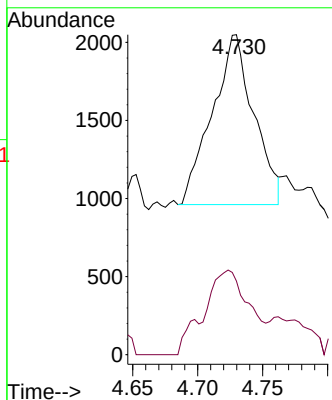
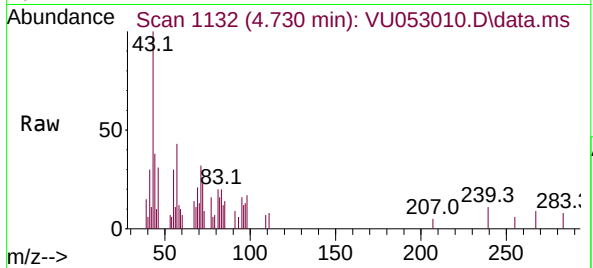




#22
2-Butanone
Concen: 2.089 ug/L
RT: 4.730 min Scan# 1125
Delta R.T. 0.022 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

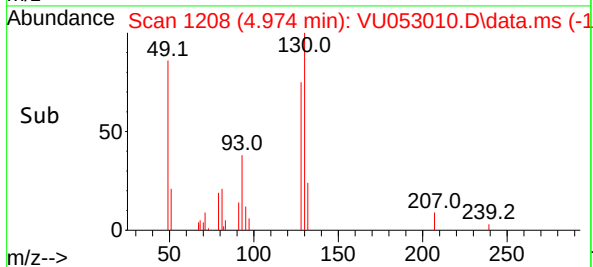
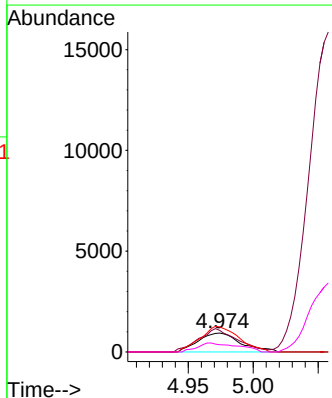
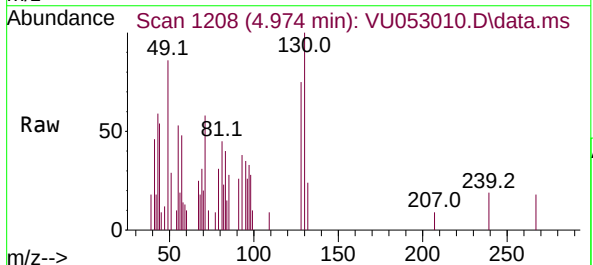
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

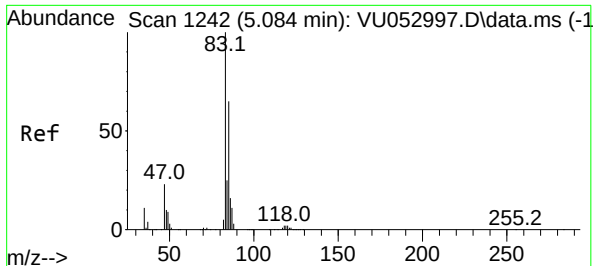
Tgt Ion: 43 Resp: 2430
Ion Ratio Lower Upper
43 100
72 33.7 15.5 46.5



#23
Bromochloromethane
Concen: 1.639 ug/L
RT: 4.974 min Scan# 1208
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 128 Resp: 2121
Ion Ratio Lower Upper
128 100
49 114.2 90.1 167.3
130 132.6 90.1 167.3
51 38.0 35.0 52.6





#25

Chloroform

Concen: 1.759 ug/L

RT: 5.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

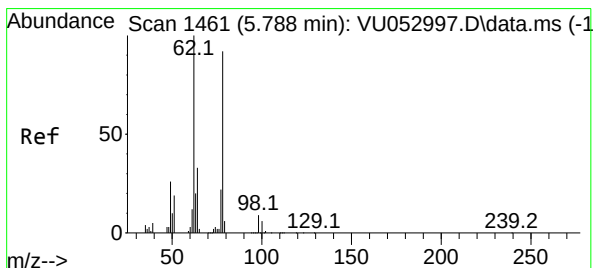
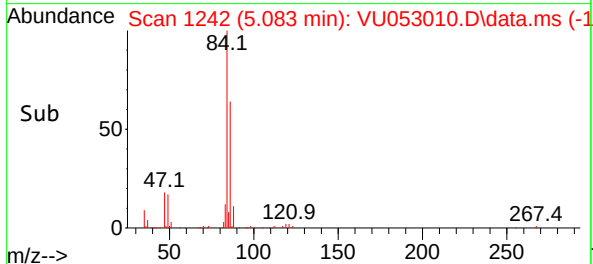
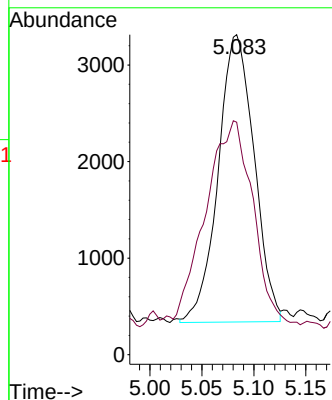
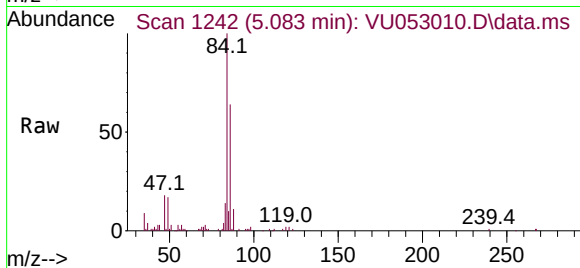
VIBLK110

Tgt Ion: 83 Resp: 7170

Ion Ratio Lower Upper

83 100

85 72.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 1.537 ug/L

RT: 5.794 min Scan# 1463

Delta R.T. 0.006 min

Lab File: VU053010.D

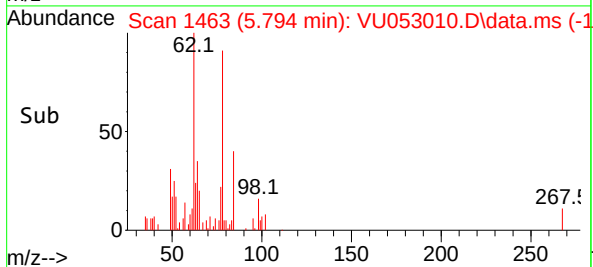
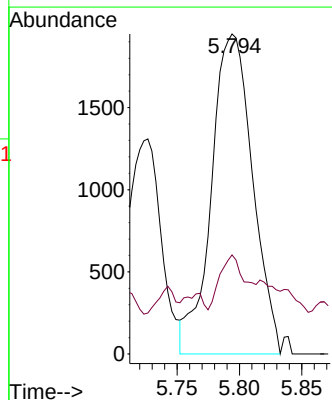
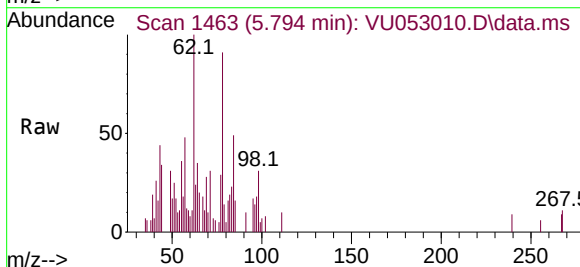
Acq: 08 Feb 2023 20:04

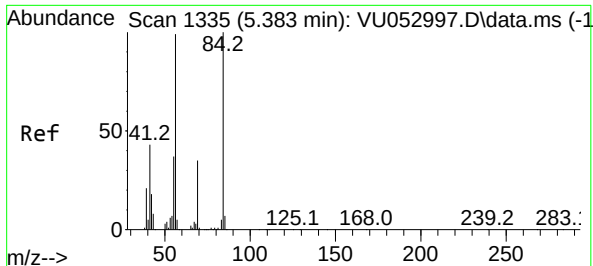
Tgt Ion: 62 Resp: 4478

Ion Ratio Lower Upper

62 100

98 31.0 7.6 11.4#





#29

Cyclohexane

Concen: 1.239 ug/L

RT: 5.382 min Scan# 1335

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VIBLK110

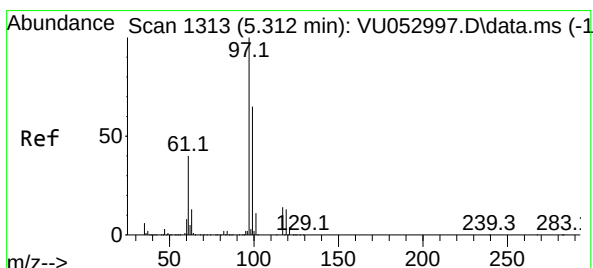
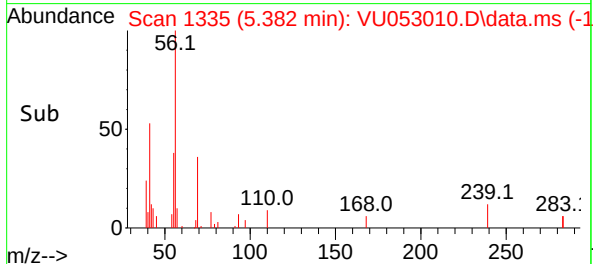
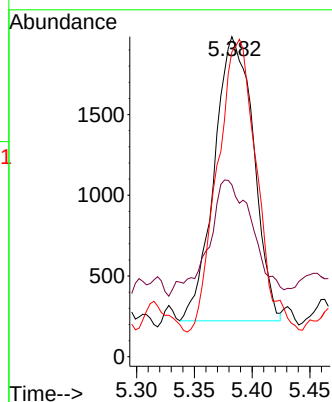
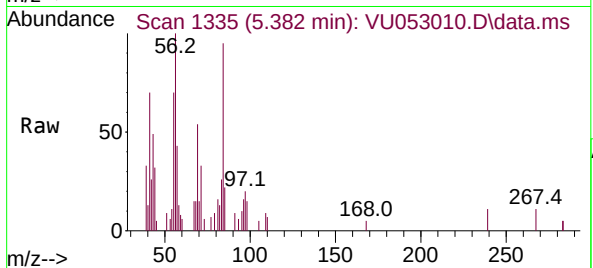
Tgt Ion: 56 Resp: 4158

Ion Ratio Lower Upper

56 100

69 21.6 26.6 40.0#

84 99.4 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 1.248 ug/L

RT: 5.318 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

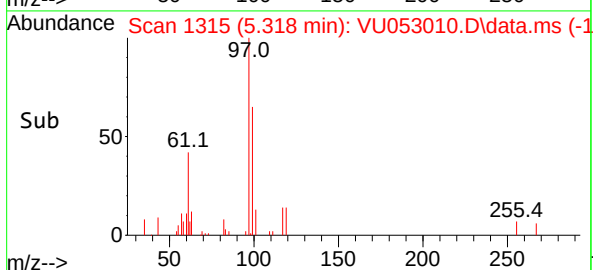
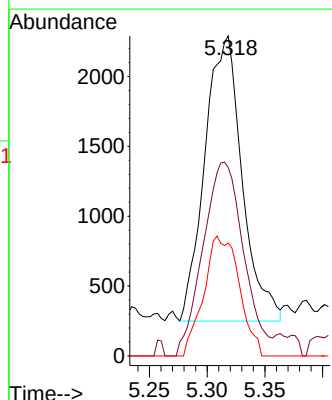
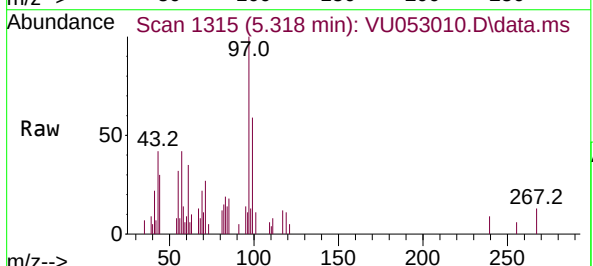
Tgt Ion: 97 Resp: 4582

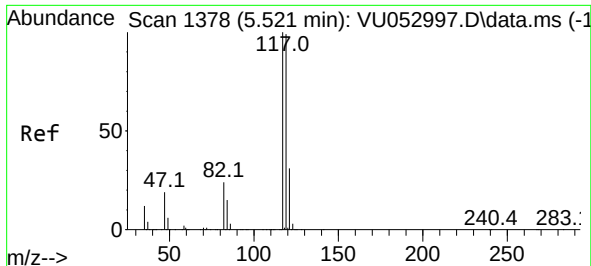
Ion Ratio Lower Upper

97 100

99 74.2 51.4 77.0

61 23.9 33.0 49.6#

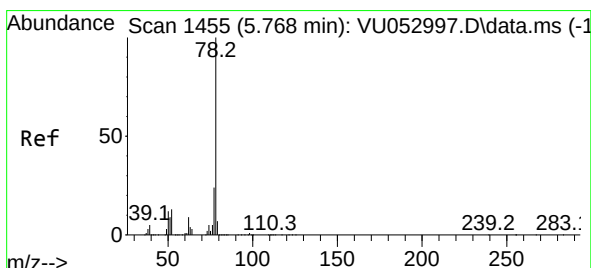
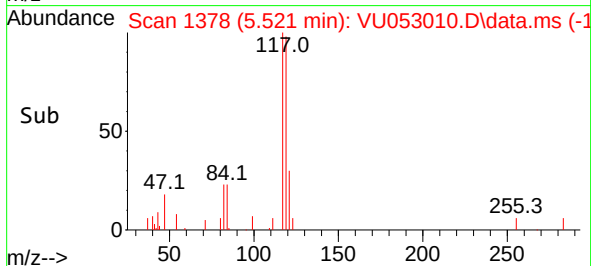
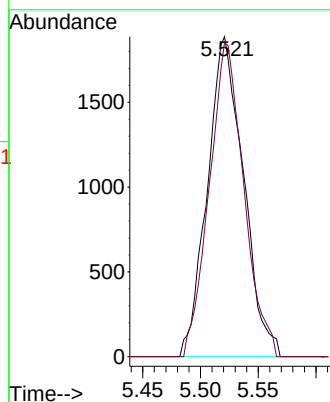
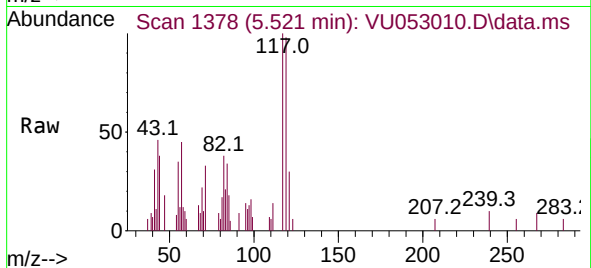




#31
Carbon tetrachloride
Concen: 1.269 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

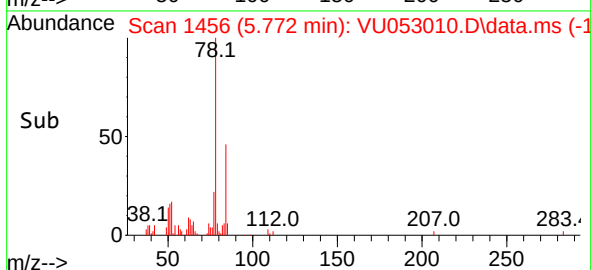
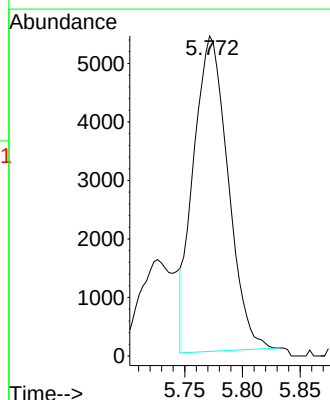
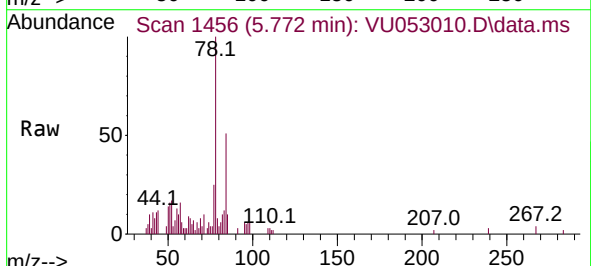
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

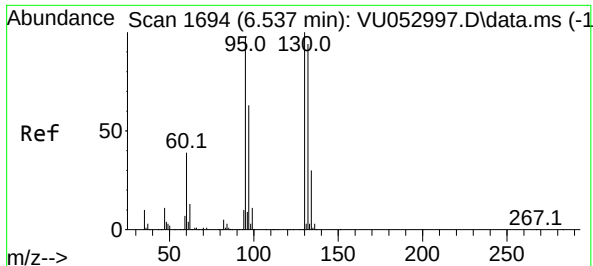
Tgt Ion:117 Resp: 4086
Ion Ratio Lower Upper
117 100
119 94.2 76.2 114.4



#33
Benzene
Concen: 1.277 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 78 Resp: 11185





#34

Trichloroethene

Concen: 1.641 ug/L

RT: 6.540 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VIBLK110

Tgt Ion: 95 Resp: 3908

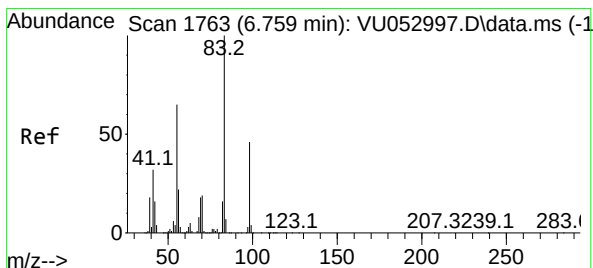
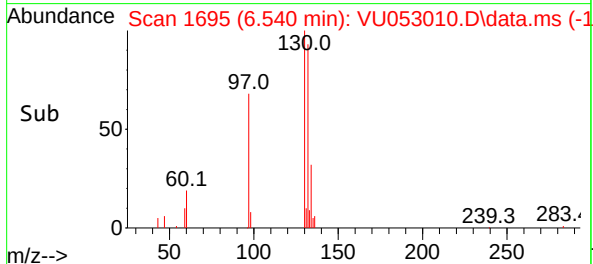
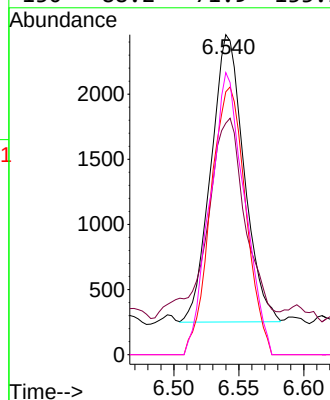
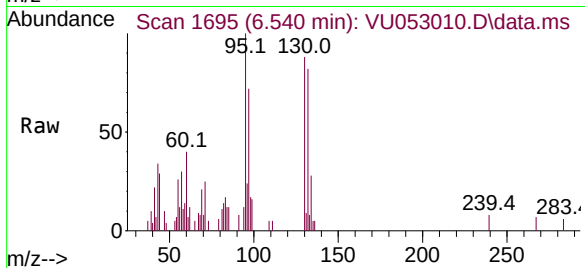
Ion Ratio Lower Upper

95 100

97 72.4 44.5 82.7

132 82.1 66.8 124.0

130 88.2 71.9 133.5



#35

Methylcyclohexane

Concen: 1.414 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

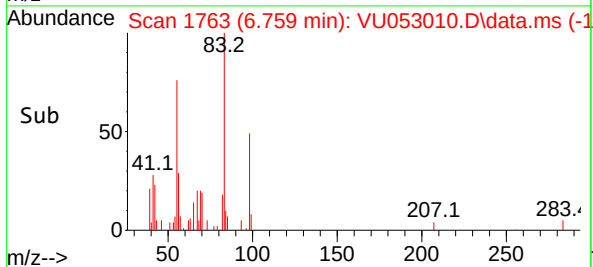
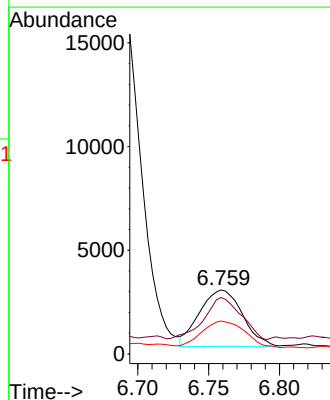
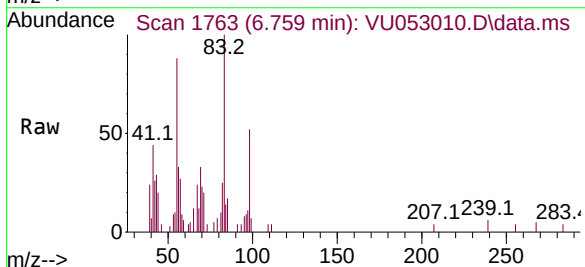
Tgt Ion: 83 Resp: 5716

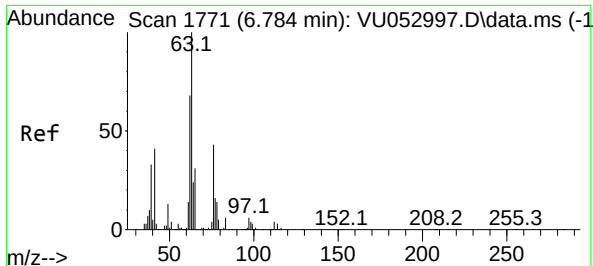
Ion Ratio Lower Upper

83 100

55 64.7 57.1 85.7

98 47.2 38.9 58.3





#37

1,2-Dichloropropane

Concen: 1.280 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

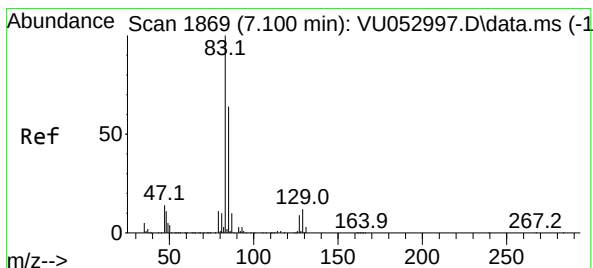
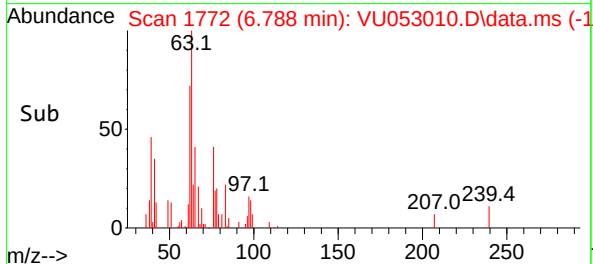
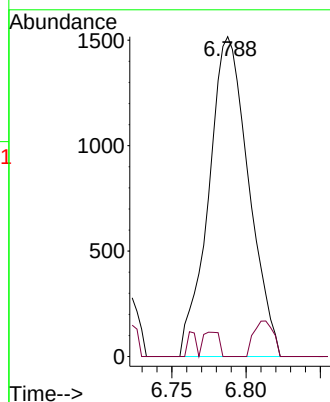
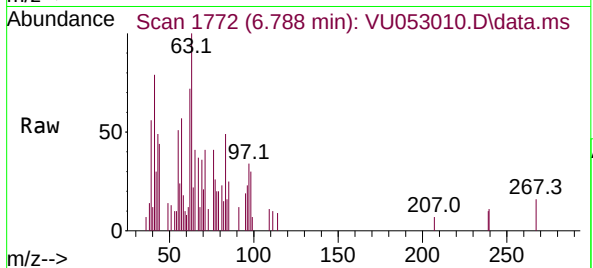
VIBLK110

Tgt Ion: 63 Resp: 2841

Ion Ratio Lower Upper

63 100

112 2.3 3.8 5.8#



#38

Bromodichloromethane

Concen: 1.469 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

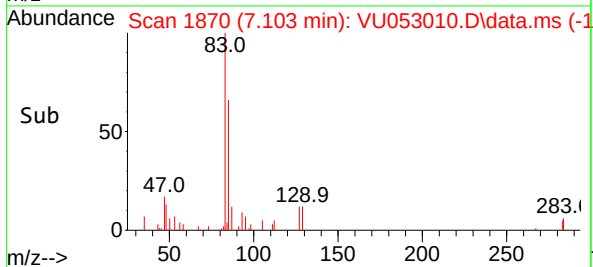
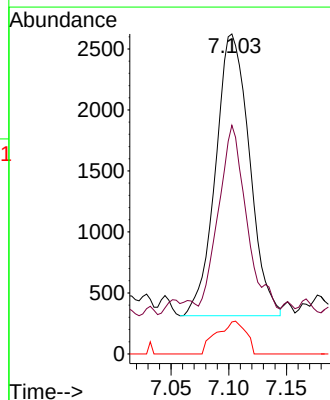
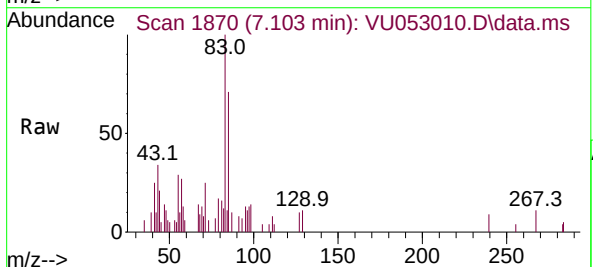
Tgt Ion: 83 Resp: 4711

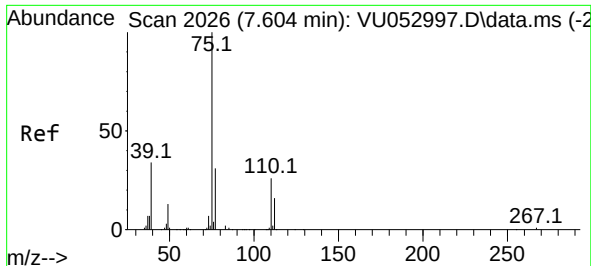
Ion Ratio Lower Upper

83 100

85 71.4 45.2 84.0

127 10.0 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 1.563 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

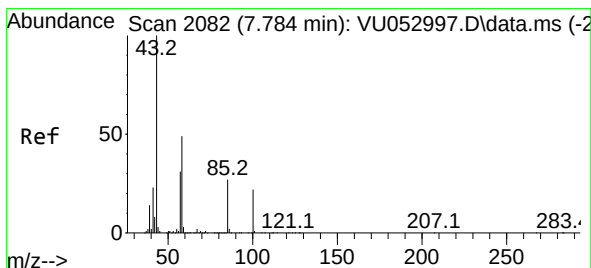
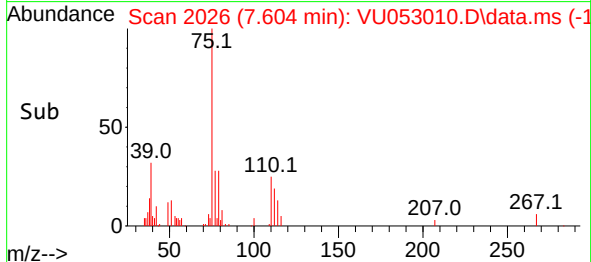
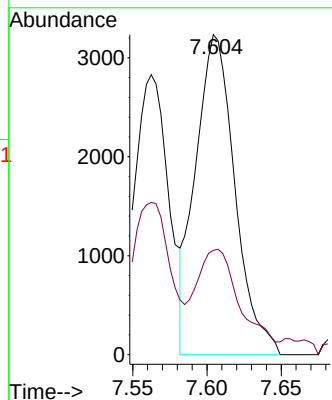
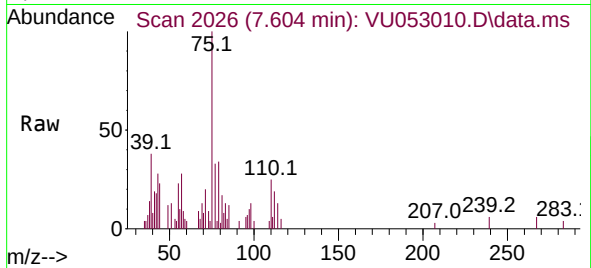
VIBLK110

Tgt Ion: 75 Resp: 5964

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 3.254 ug/L

RT: 7.791 min Scan# 2084

Delta R.T. 0.006 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

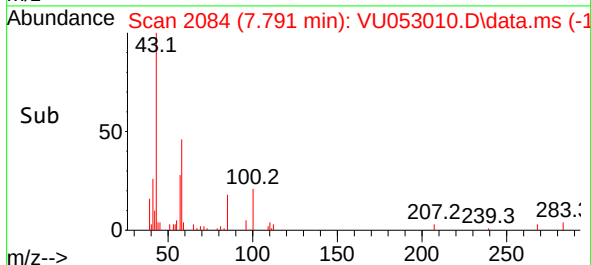
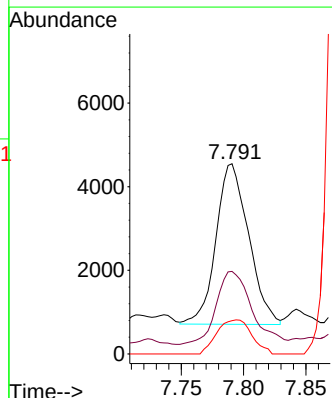
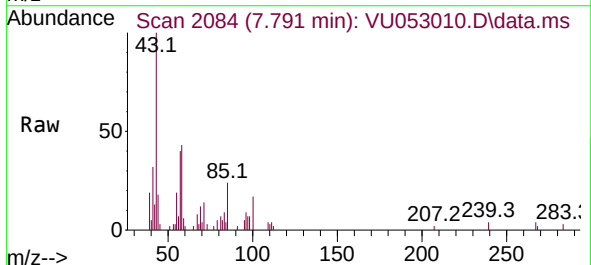
Tgt Ion: 43 Resp: 6996

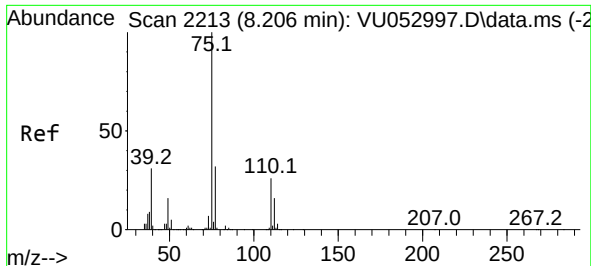
Ion Ratio Lower Upper

43 100

58 49.3 35.4 53.2

100 22.7 16.0 24.0

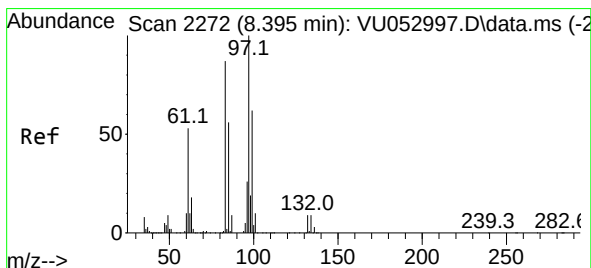
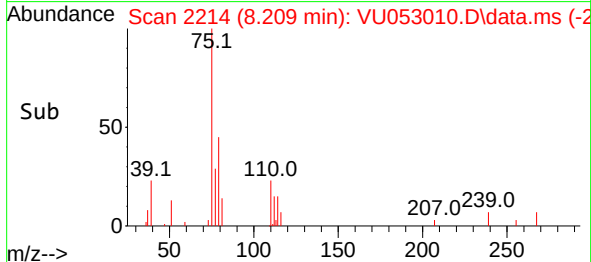
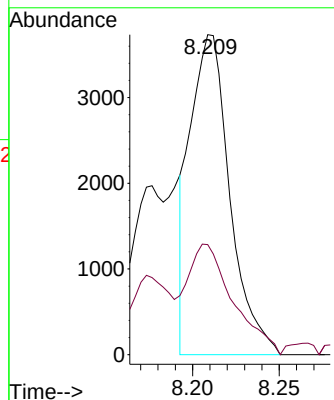
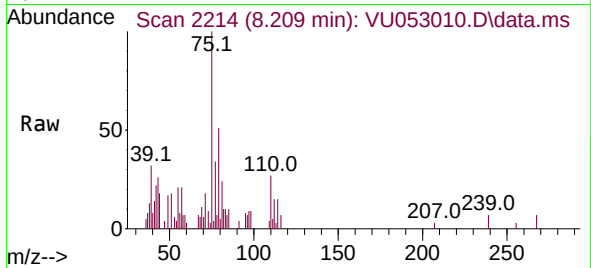




#44
trans-1,3-Dichloropropene
Concen: 1.610 ug/L
RT: 8.209 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

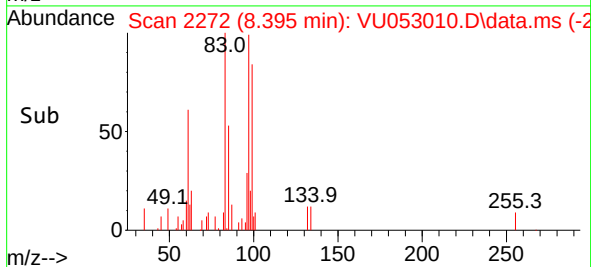
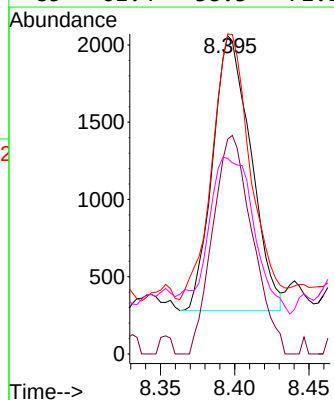
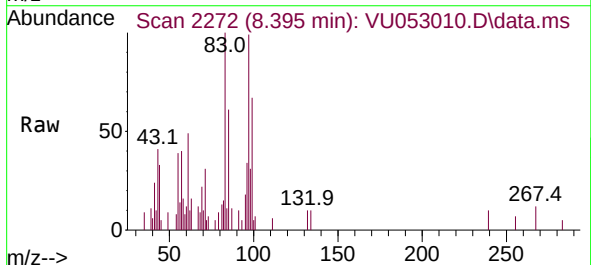
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

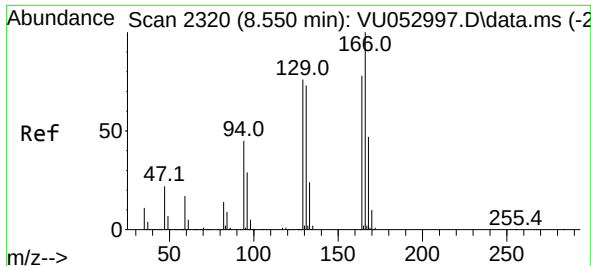
Tgt Ion: 75 Resp: 5957
Ion Ratio Lower Upper
75 100
77 34.4 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 1.385 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. -0.000 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 97 Resp: 3168
Ion Ratio Lower Upper
97 100
99 67.5 44.7 83.1
83 100.5 60.3 112.1
85 61.4 38.3 71.1

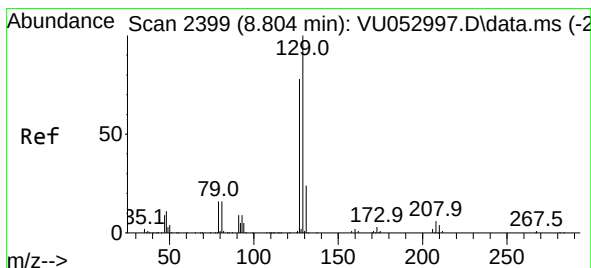
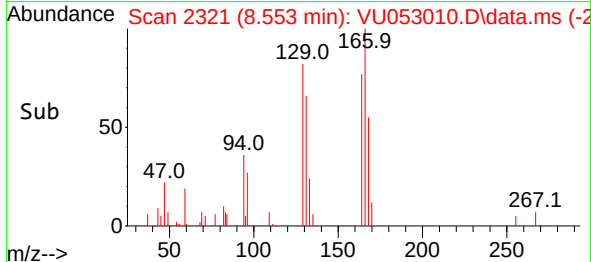
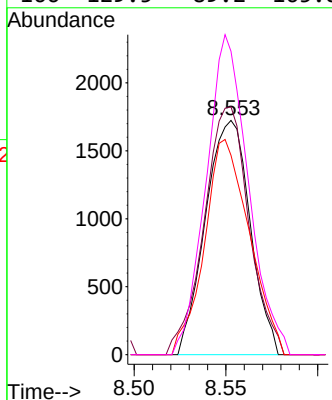
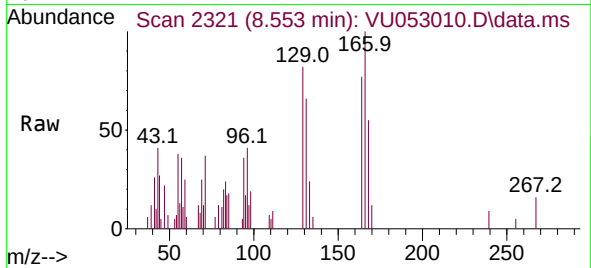




#46
Tetrachloroethene
Concen: 1.541 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

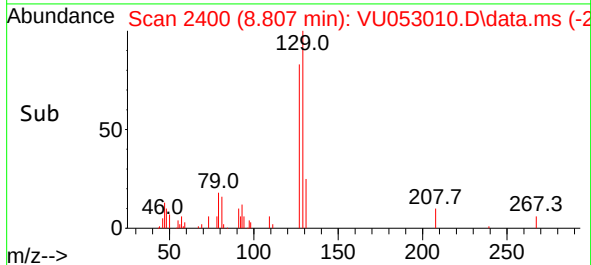
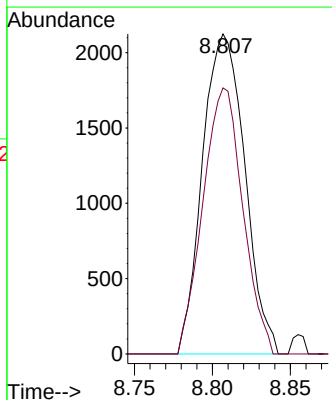
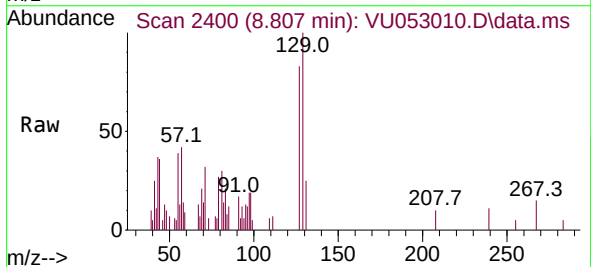
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

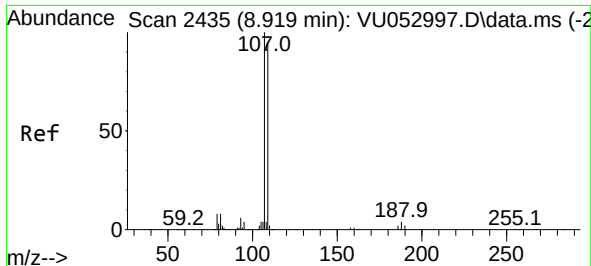
Tgt Ion:	164	Resp:	2906
Ion	Ratio	Lower	Upper
164	100		
129	105.8	64.8	120.3
131	85.1	61.2	113.6
166	129.5	89.2	165.8



#49
Dibromochloromethane
Concen: 1.452 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion:	129	Resp:	4011
Ion	Ratio	Lower	Upper
129	100		
127	83.1	53.2	98.8

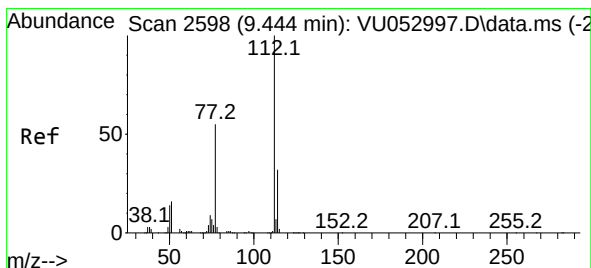
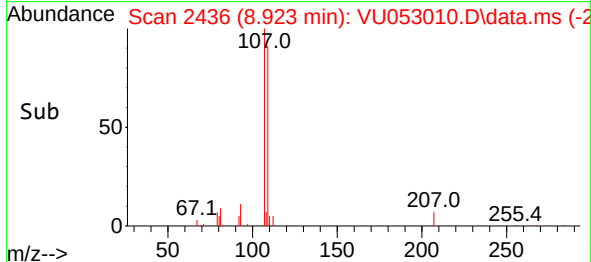
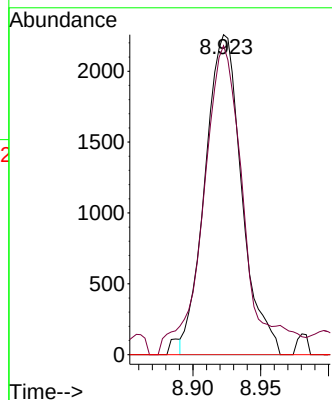
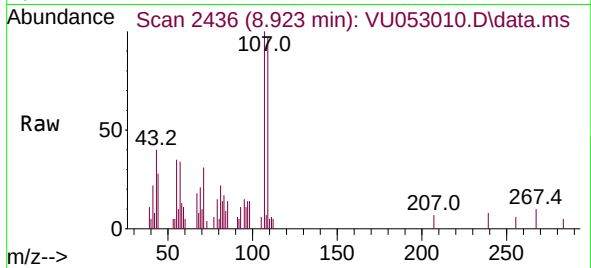




#50
1,2-Dibromoethane
Concen: 1.699 ug/L
RT: 8.923 min Scan# 2435
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

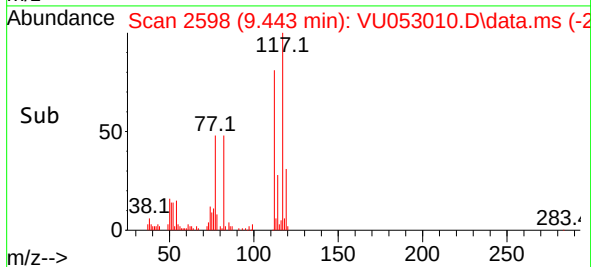
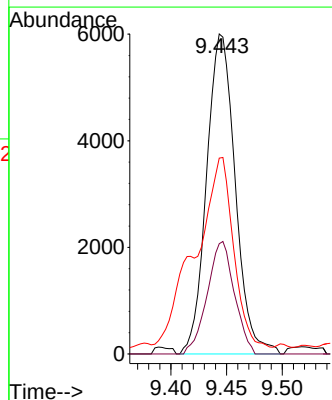
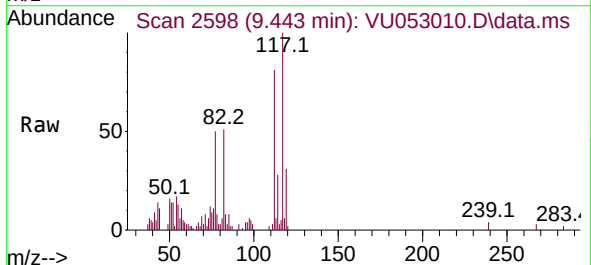
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

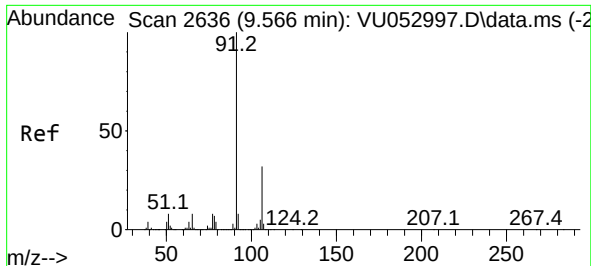
Tgt Ion:107 Resp: 4251
Ion Ratio Lower Upper
107 100
109 96.5 65.5 121.6
188 0.0 3.2 4.8#



#51
Chlorobenzene
Concen: 1.685 ug/L
RT: 9.443 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion:112 Resp: 10757
Ion Ratio Lower Upper
112 100
114 34.5 22.8 42.4
77 61.2 45.9 68.9





#52

Ethylbenzene

Concen: 1.516 ug/L

RT: 9.569 min Scan# 2637

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

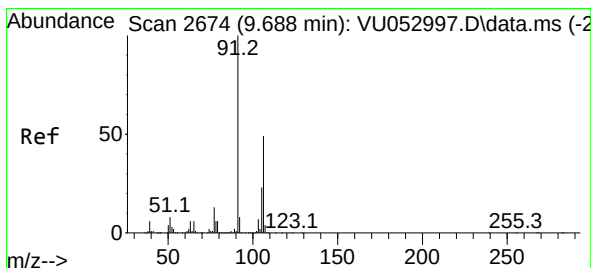
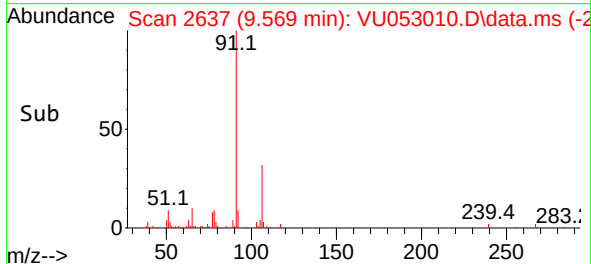
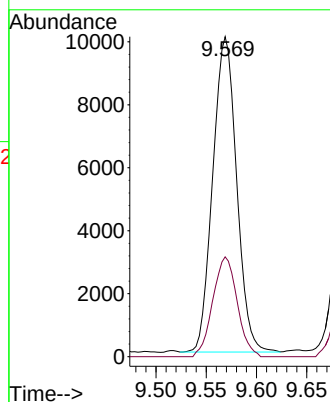
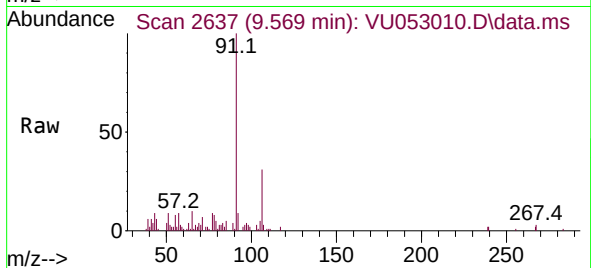
VIBLK110

Tgt Ion: 91 Resp: 16542

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 1.540 ug/L

RT: 9.691 min Scan# 2675

Delta R.T. 0.003 min

Lab File: VU053010.D

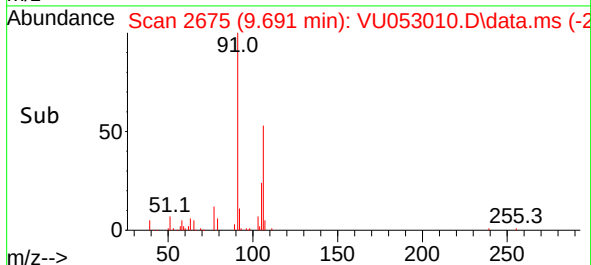
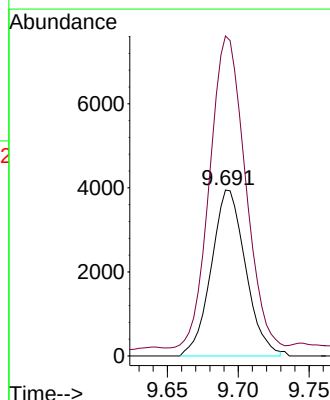
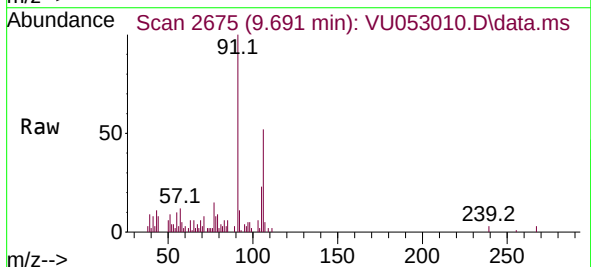
Acq: 08 Feb 2023 20:04

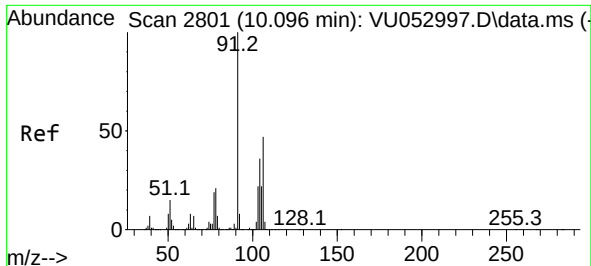
Tgt Ion: 106 Resp: 6645

Ion Ratio Lower Upper

106 100

91 192.9 137.4 255.2

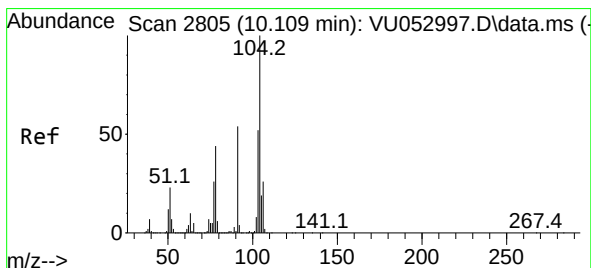
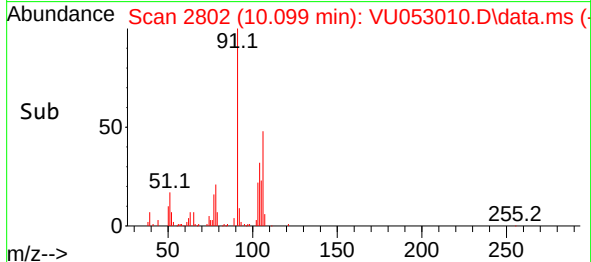
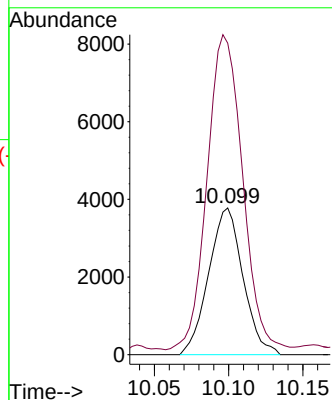
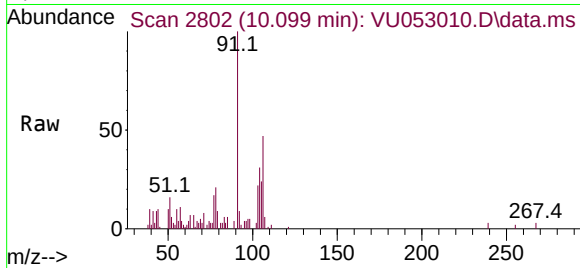




#54
o-xylene
Concen: 1.427 ug/L
RT: 10.099 min Scan# 2801
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

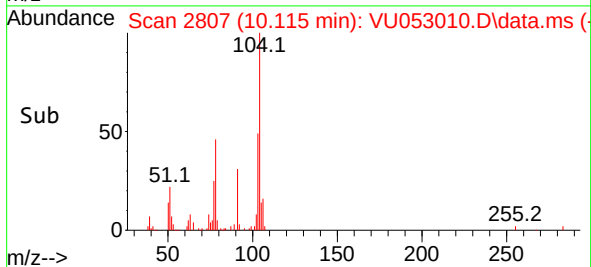
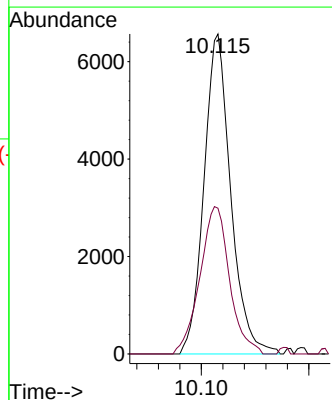
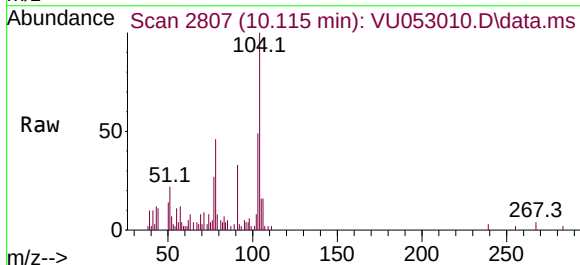
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

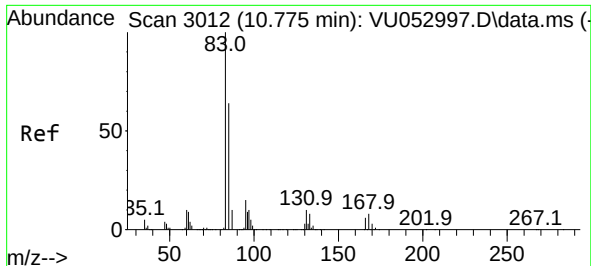
Tgt Ion:106 Resp: 6081
Ion Ratio Lower Upper
106 100
91 212.2 143.4 266.2



#55
Styrene
Concen: 1.579 ug/L
RT: 10.115 min Scan# 2807
Delta R.T. 0.006 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion:104 Resp: 11350
Ion Ratio Lower Upper
104 100
78 45.5 31.9 59.2

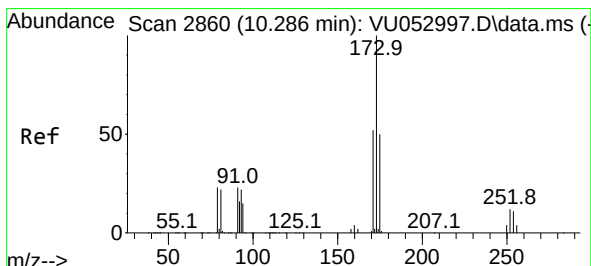
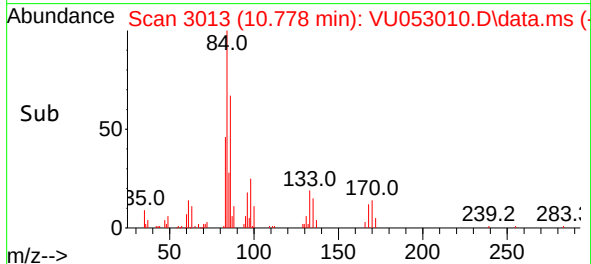
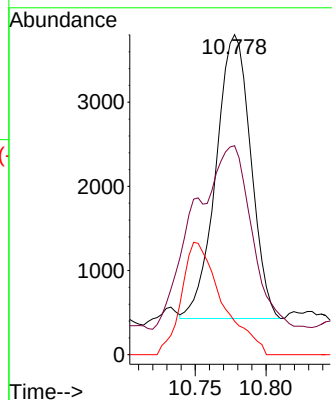
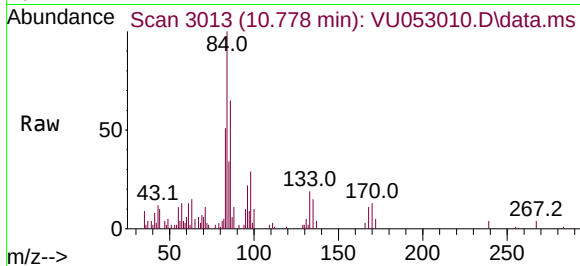




#57
1,1,2,2-Tetrachloroethane
Concen: 1.622 ug/L
RT: 10.778 min Scan# 3012
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

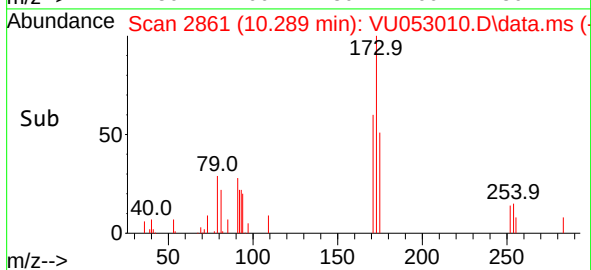
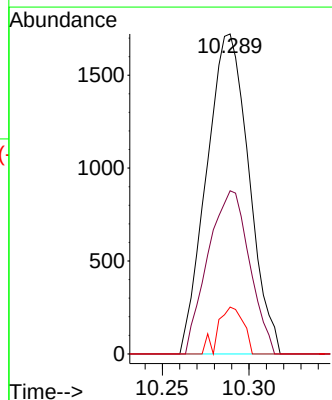
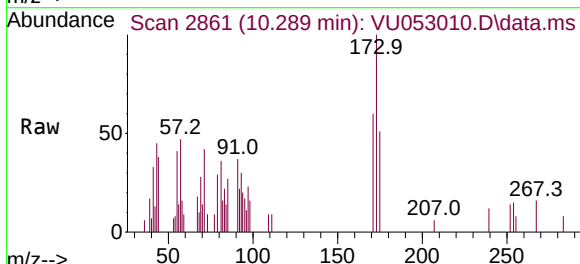
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

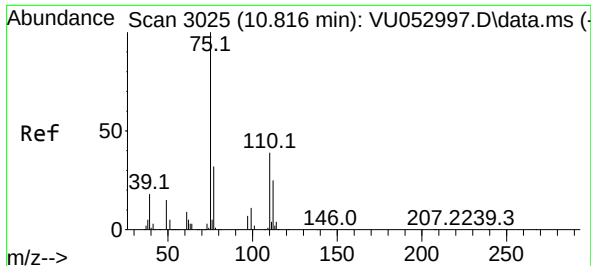
Tgt Ion: 83 Resp: 5784
Ion Ratio Lower Upper
83 100
85 65.3 45.0 83.6
131 10.5 8.6 12.8



#59
Bromoform
Concen: 1.489 ug/L
RT: 10.289 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 173 Resp: 2922
Ion Ratio Lower Upper
173 100
175 50.0 37.7 56.5
254 8.0 8.3 12.5

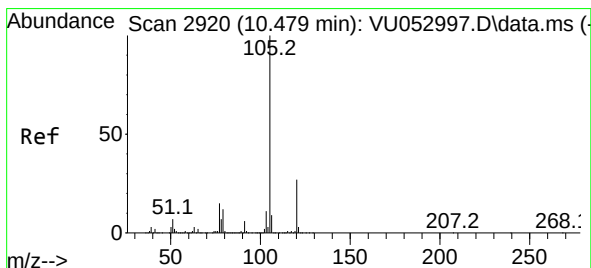
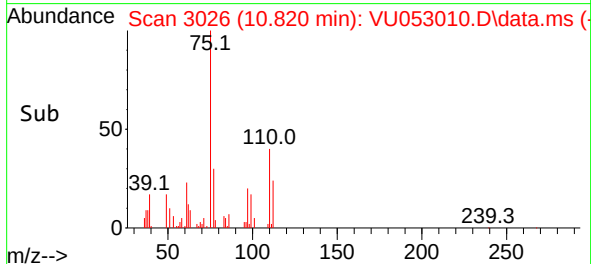
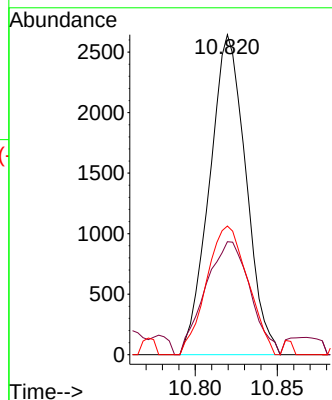
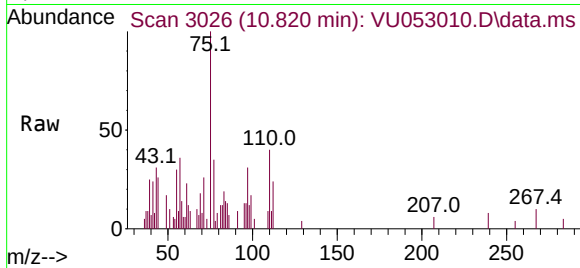




#60
1,2,3-Trichloropropane
Concen: 1.654 ug/L
RT: 10.820 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

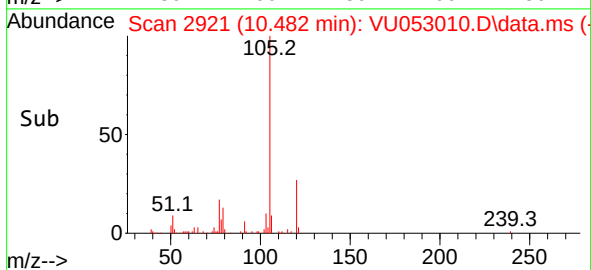
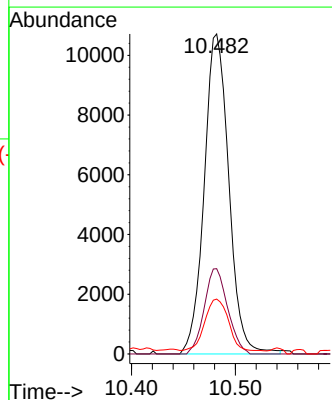
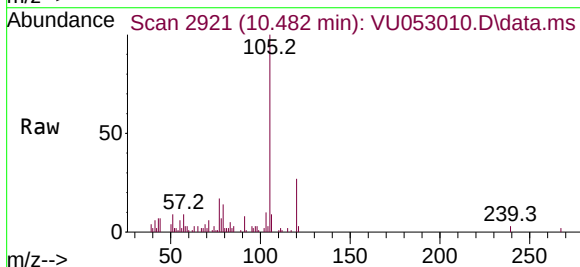
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

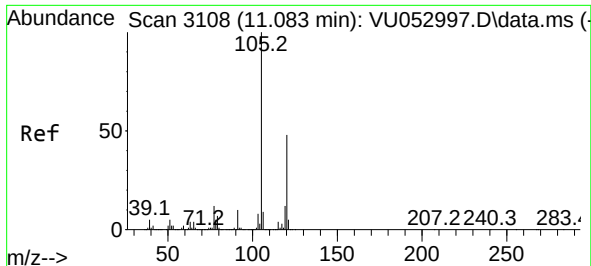
Tgt Ion: 75 Resp: 4075
Ion Ratio Lower Upper
75 100
77 43.4 25.8 38.8#
110 45.7 32.4 48.6



#61
Isopropylbenzene
Concen: 1.707 ug/L
RT: 10.482 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 105 Resp: 17617
Ion Ratio Lower Upper
105 100
120 25.3 21.4 32.2
77 17.8 12.2 18.2

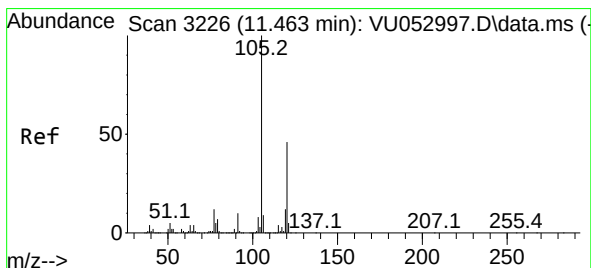
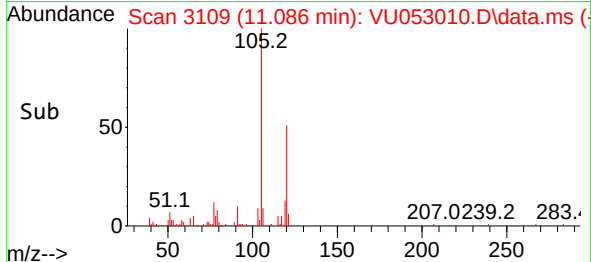
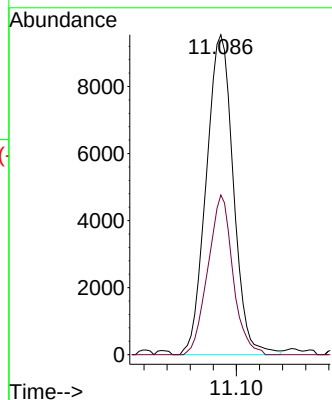
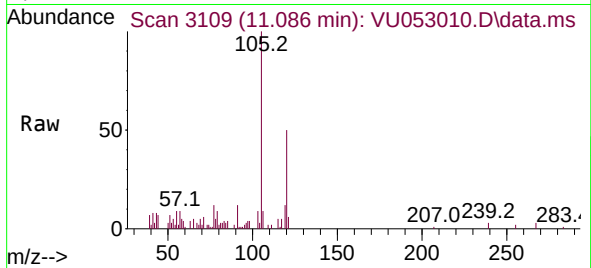




#62
 1,3,5-Trimethylbenzene
 Concen: 1.712 ug/L
 RT: 11.086 min Scan# 3108
 Delta R.T. 0.003 min
 Lab File: VU053010.D
 Acq: 08 Feb 2023 20:04

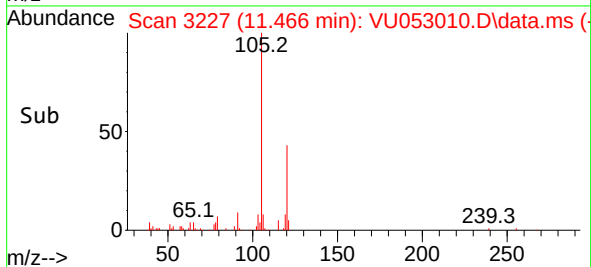
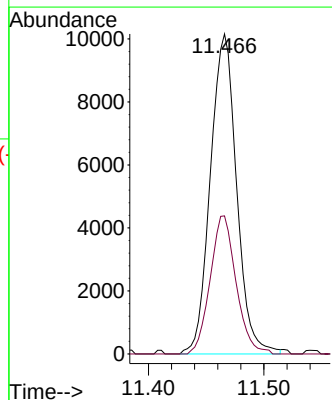
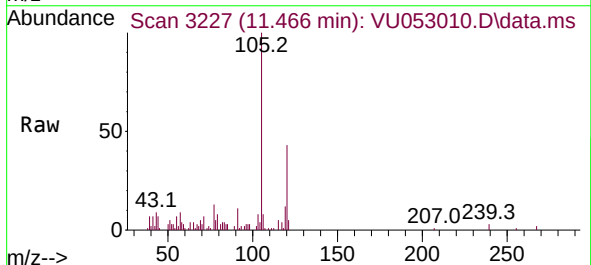
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK110

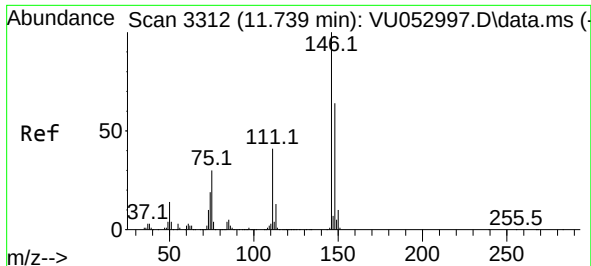
Tgt Ion:105 Resp: 15552
 Ion Ratio Lower Upper
 105 100
 120 45.9 40.4 60.6



#63
 1,2,4-Trimethylbenzene
 Concen: 1.813 ug/L
 RT: 11.466 min Scan# 3227
 Delta R.T. 0.003 min
 Lab File: VU053010.D
 Acq: 08 Feb 2023 20:04

Tgt Ion:105 Resp: 16046
 Ion Ratio Lower Upper
 105 100
 120 42.6 38.1 57.1

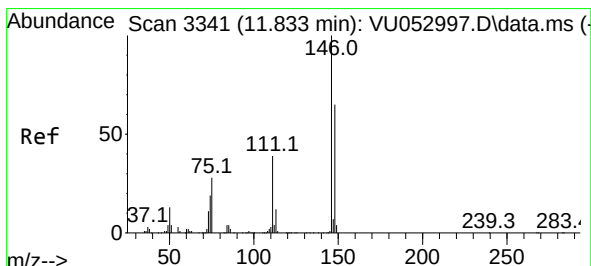
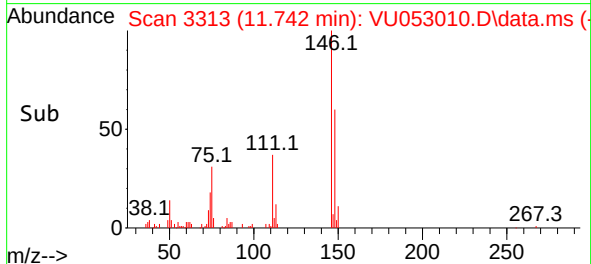
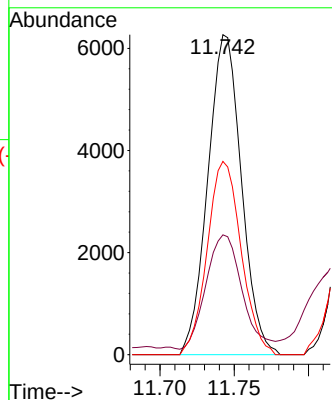
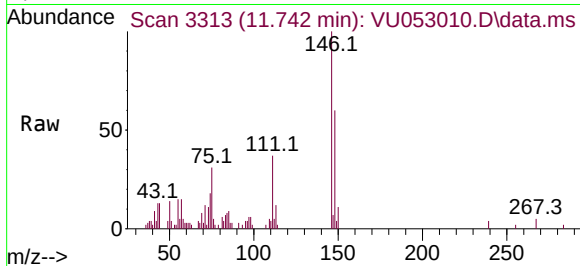




#64
1,3-Dichlorobenzene
Concen: 2.117 ug/L
RT: 11.742 min Scan# 3312
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

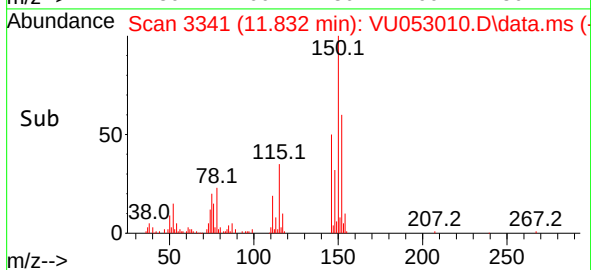
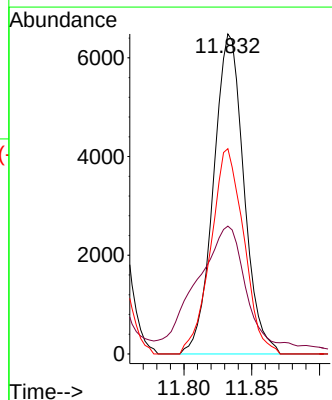
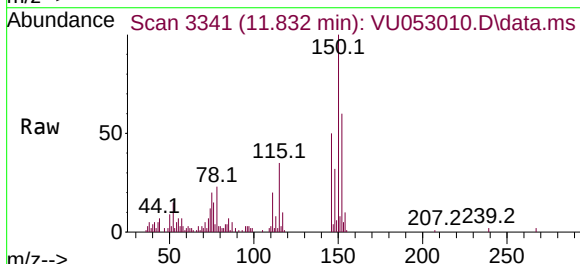
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

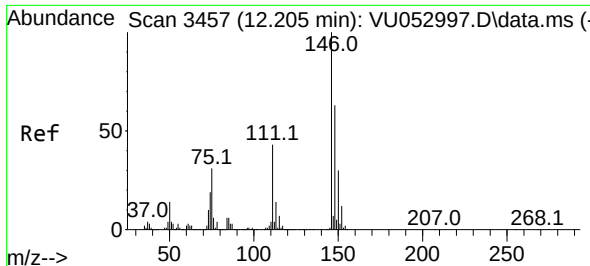
Tgt Ion:146 Resp: 9855
Ion Ratio Lower Upper
146 100
111 37.4 27.8 51.6
148 60.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 2.158 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion:146 Resp: 10105
Ion Ratio Lower Upper
146 100
111 39.9 26.7 49.7
148 64.1 45.6 84.6

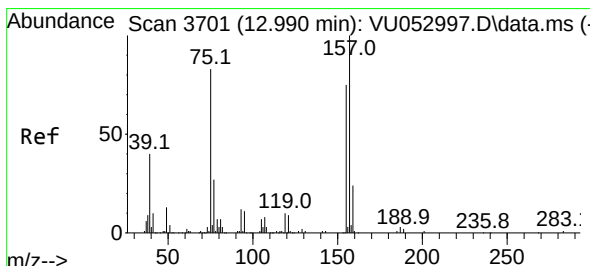
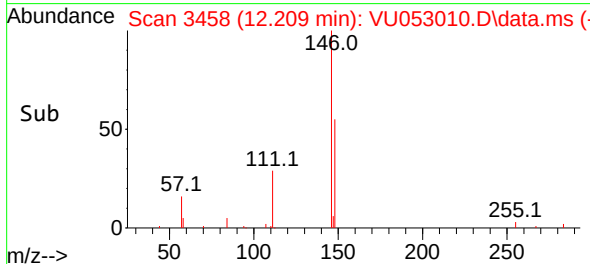
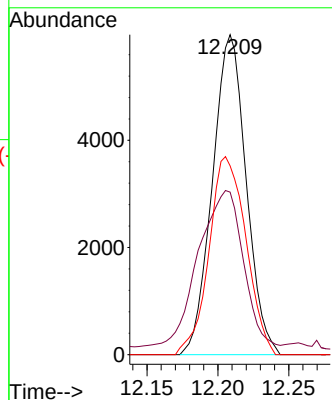
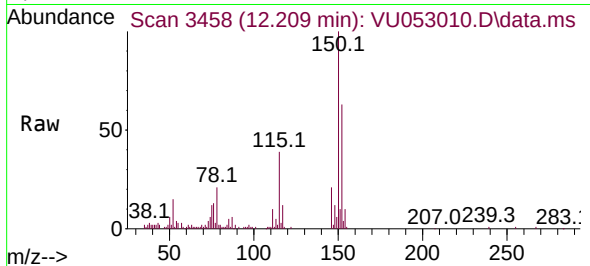




#67
1,2-Dichlorobenzene
Concen: 2.115 ug/L
RT: 12.209 min Scan# 3457
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

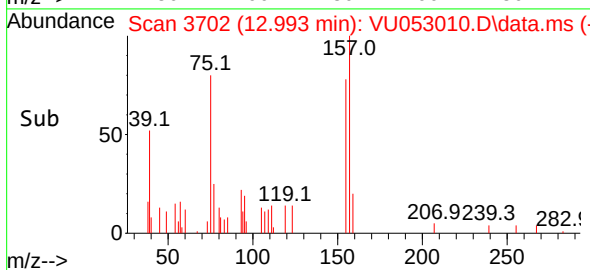
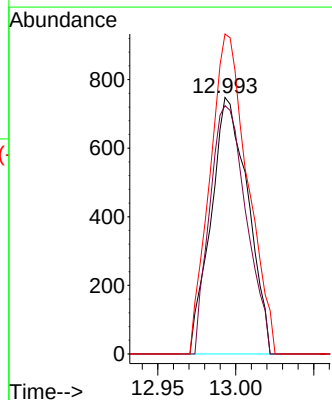
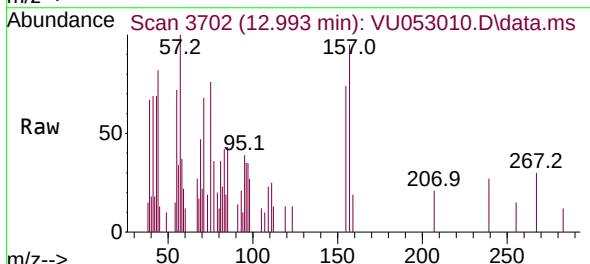
Instrument :
MSVOA_U
ClientSampleId :
VIBLK110

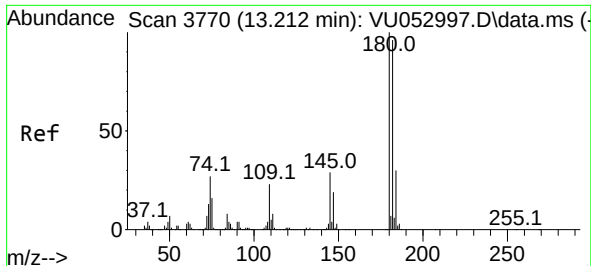
Tgt Ion:146 Resp: 9886
Ion Ratio Lower Upper
146 100
111 50.8 33.2 49.8#
148 59.0 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 1.642 ug/L
RT: 12.993 min Scan# 3702
Delta R.T. 0.003 min
Lab File: VU053010.D
Acq: 08 Feb 2023 20:04

Tgt Ion: 75 Resp: 1230
Ion Ratio Lower Upper
75 100
155 96.8 69.2 103.8
157 124.7 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 2.328 ug/L

RT: 13.215 min Scan# 3770

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VIBLK110

Tgt Ion:180 Resp: 8398

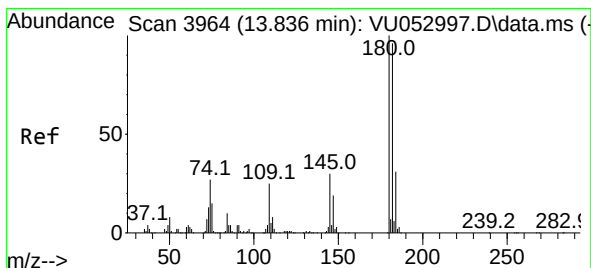
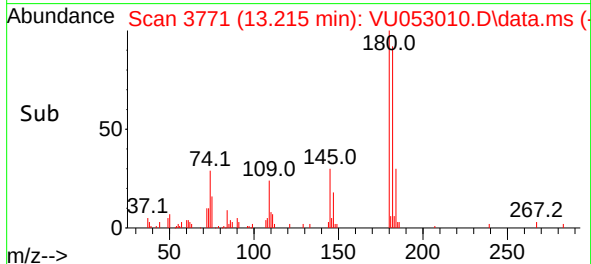
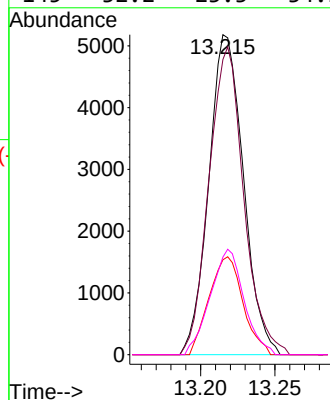
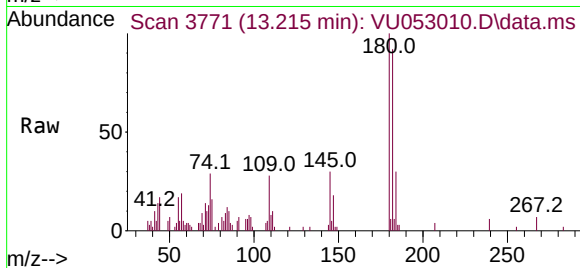
Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

184 30.0 24.4 36.6

145 32.2 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 2.522 ug/L

RT: 13.836 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

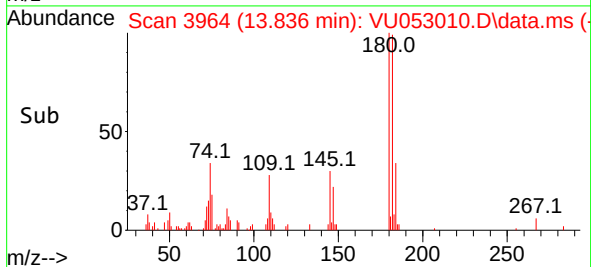
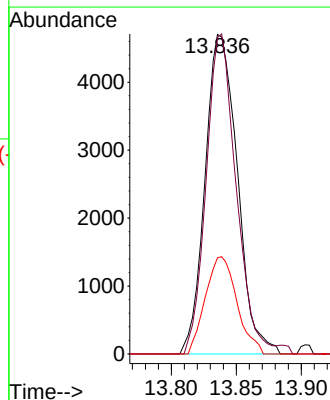
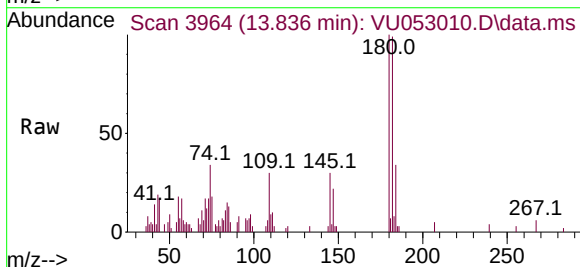
Tgt Ion:180 Resp: 8128

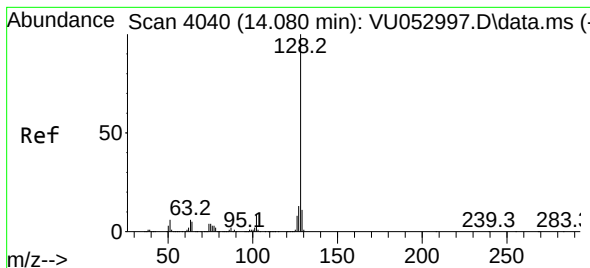
Ion Ratio Lower Upper

180 100

182 92.8 78.2 117.2

145 29.7 23.4 35.2





#71

Naphthalene

Concen: 2.000 ug/L

RT: 14.086 min Scan# 4040

Delta R.T. 0.006 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VIBLK110

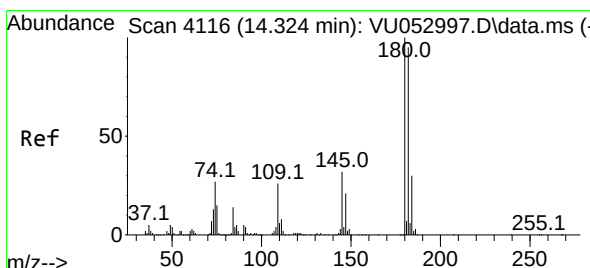
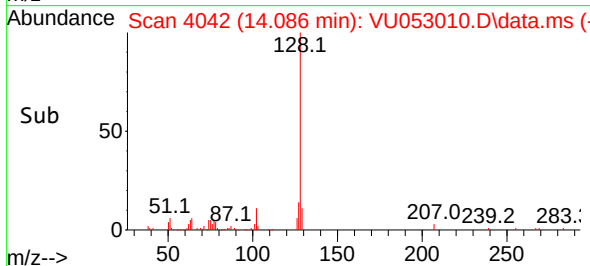
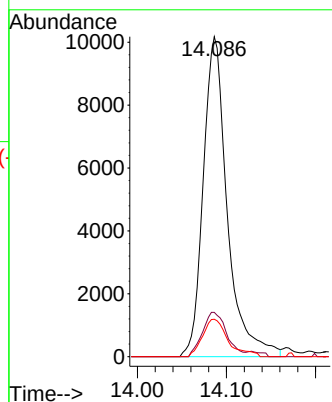
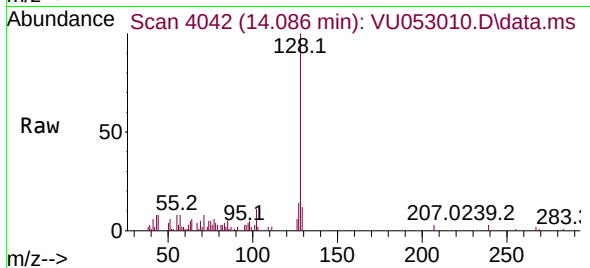
Tgt Ion:128 Resp: 19106

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 12.4 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.693 ug/L

RT: 14.327 min Scan# 4117

Delta R.T. 0.003 min

Lab File: VU053010.D

Acq: 08 Feb 2023 20:04

Tgt Ion:180 Resp: 8509

Ion Ratio Lower Upper

180 100

182 92.3 77.5 116.3

145 32.8 24.2 36.4

