

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054161.D
 Acq On : 18 May 2023 11:50
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV030

Quant Time: May 19 01:57:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:52:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	211708	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	195155	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	106089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55491	4.862	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.200%
7) Chloroethane-d5	1.909	69	35178	4.120	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.549	65	26600	5.160	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.200%
20) 2-Butanone-d5	4.639	46	101359	49.796	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.600%
24) Chloroform-d	5.054	84	101549	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.697	65	49295	4.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.719	84	207150	5.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.684	67	59623	5.190	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.893	98	198178	5.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
43) trans-1,3-Dichloroprop...	8.176	79	24688	5.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.400%
46) 2-Hexanone-d5	8.655	63	79044	57.219	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.440%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42361	5.145	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	68990	5.329	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78512	4.905	ug/L	98
3) Chloromethane	1.517	50	72812	4.907	ug/L	98
5) Vinyl chloride	1.600	62	78943	5.008	ug/L	100
6) Bromomethane	1.858	94	43345	4.533	ug/L	96
8) Chloroethane	1.932	64	40253	4.031	ug/L	99
9) Trichlorofluoromethane	2.121	101	129447	5.169	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	73193	5.042	ug/L	99
12) 1,1-Dichloroethene	2.562	96	63954	4.935	ug/L	92
13) Acetone	2.649	43	122203	44.132	ug/L	96
14) Carbon disulfide	2.777	76	157746	4.846	ug/L	100
15) Methyl Acetate	2.951	43	25280	5.092	ug/L	97
16) Methylene chloride	3.034	84	79100	4.663	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	170892	5.239	ug/L	100
18) trans-1,2-Dichloroethene	3.340	96	68095	5.167	ug/L	97
19) 1,1-Dichloroethane	3.858	63	134485	5.096	ug/L	97
21) 2-Butanone	4.716	43	167672	45.714	ug/L	99
22) cis-1,2-Dichloroethene	4.655	96	78479	5.092	ug/L	98
23) Bromochloromethane	4.967	128	33924	5.039	ug/L	97
25) Chloroform	5.079	83	142515	4.979	ug/L	99

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 Data File : VU054161.D
 Acq On : 18 May 2023 11:50
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV030

Quant Time: May 19 01:57:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:52:15 2023
 Response via : Initial Calibration

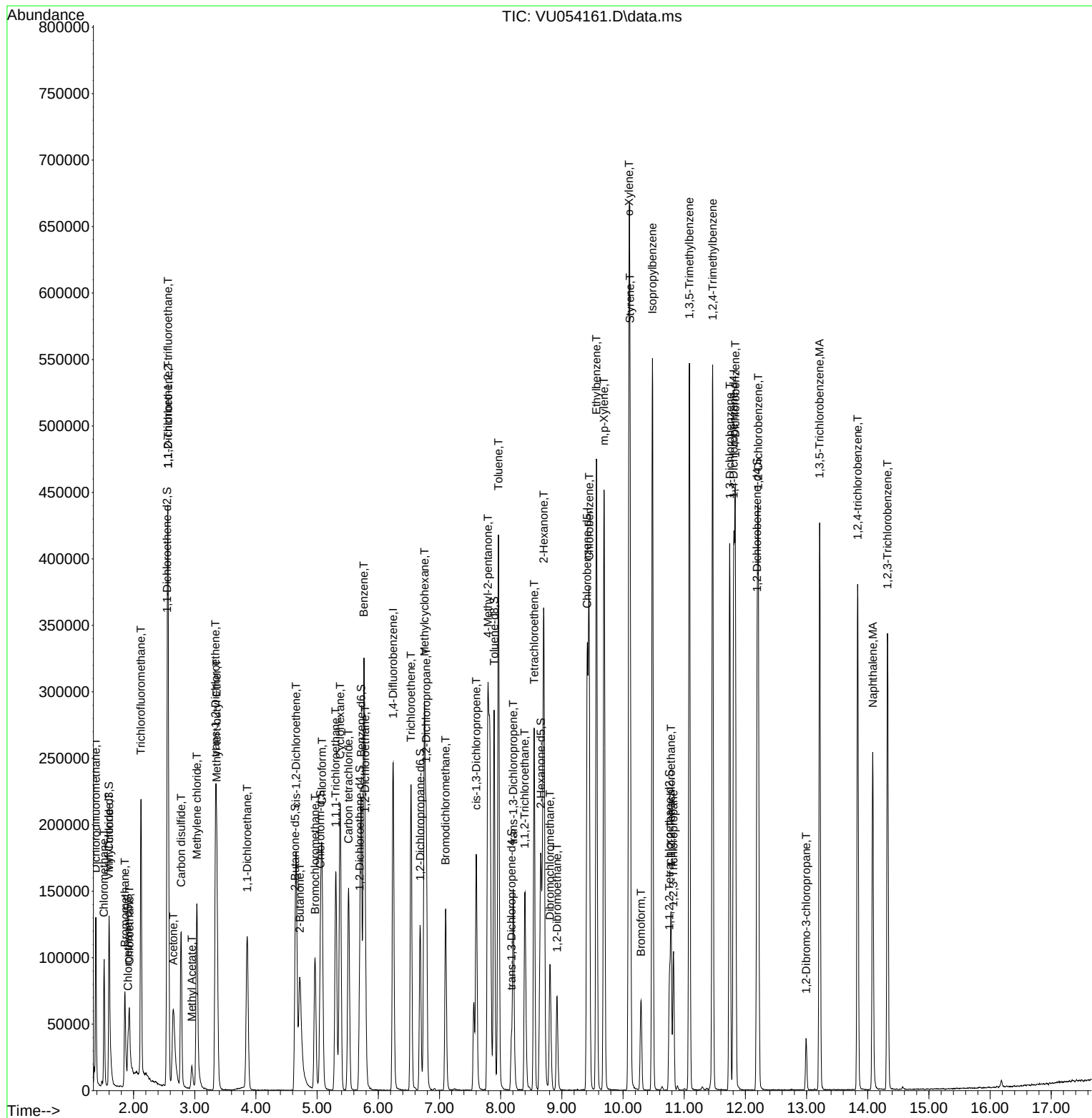
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	83114	5.050	ug/L	100
29) 1,1,1-Trichloroethane	5.304	97	123027	5.036	ug/L	100
30) Cyclohexane	5.375	56	110069	5.536	ug/L	98
31) Carbon tetrachloride	5.513	117	105789	4.993	ug/L	98
33) Benzene	5.764	78	291047	5.269	ug/L	100
34) Trichloroethene	6.533	95	78216	5.265	ug/L	98
35) Methylcyclohexane	6.755	83	115168	5.302	ug/L	98
37) 1,2-Dichloropropane	6.783	63	77039	5.312	ug/L	99
38) Bromodichloromethane	7.099	83	92790	5.052	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	114050	5.278	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	402774	54.555	ug/L #	95
42) Toluene	7.963	91	312452	5.353	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	95087	5.361	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	54362	5.201	ug/L	98
47) Tetrachloroethene	8.549	164	63252	5.181	ug/L	99
48) 2-Hexanone	8.703	43	314439	56.330	ug/L	99
49) Dibromochloromethane	8.806	129	57816	4.955	ug/L	99
50) 1,2-Dibromoethane	8.922	107	50527	5.260	ug/L	100
51) Chlorobenzene	9.446	112	208016	5.271	ug/L	98
52) Ethylbenzene	9.565	91	353180	5.430	ug/L	98
53) m,p-Xylene	9.690	106	136824	5.538	ug/L	94
54) o-Xylene	10.098	106	131870	5.405	ug/L	98
55) Styrene	10.115	104	223586	5.605	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	64611	5.206	ug/L	99
59) Bromoform	10.295	173	34611	5.073	ug/L	97
60) Isopropylbenzene	10.481	105	361303	5.581	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	44691	5.196	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	299362	5.665	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	304373	5.771	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	172847	5.349	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	171989	5.358	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	155173	5.234	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	9191	4.998	ug/L	84
69) 1,3,5-Trichlorobenzene	13.214	180	134985	5.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	119643	5.995	ug/L	99
71) Naphthalene	14.082	128	204572	7.086	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	108640	6.431	ug/L	98

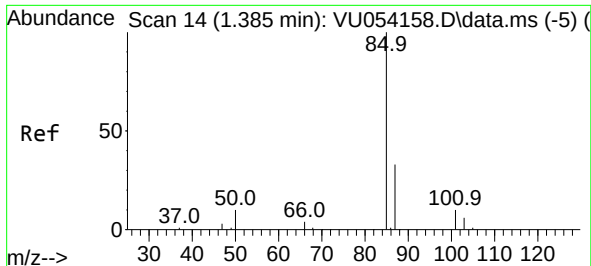
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Data File : VU054161.D
Acq On : 18 May 2023 11:50
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV030

Quant Time: May 19 01:57:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 19 01:52:15 2023
Response via : Initial Calibration

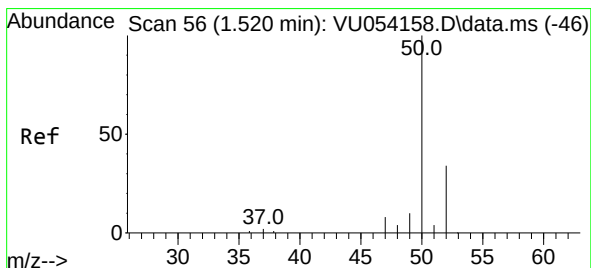
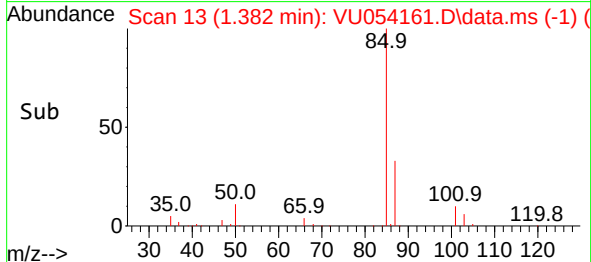
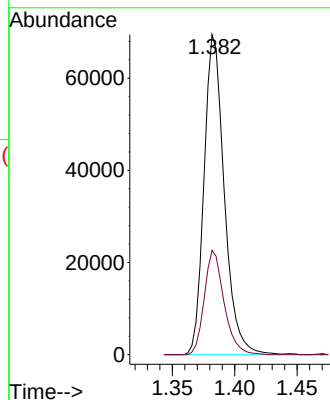
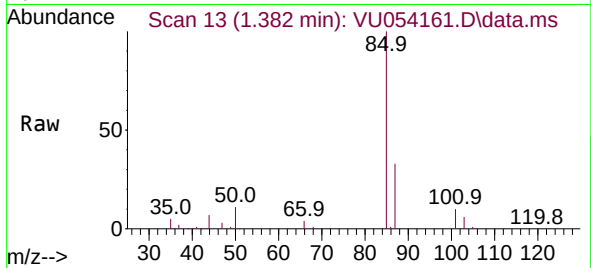




#2
Dichlorodifluoromethane
Concen: 4.905 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

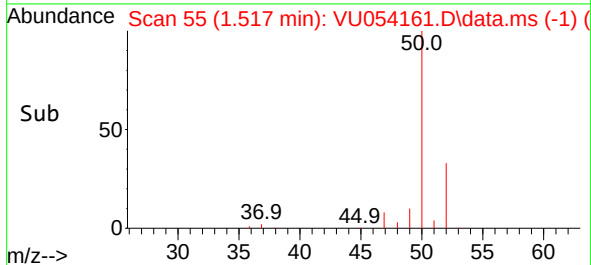
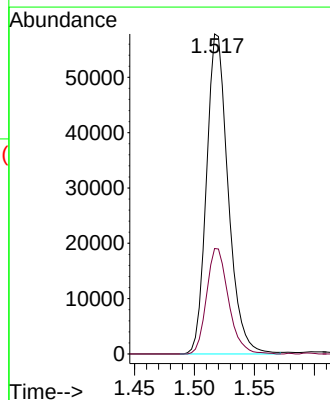
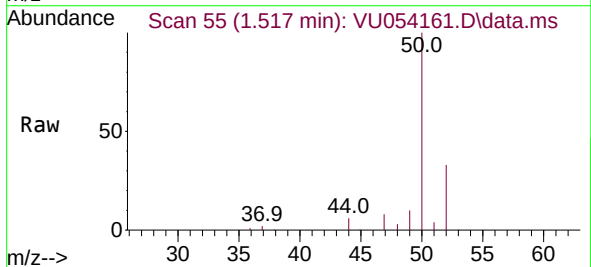
Instrument :
MSVOA_U
ClientSampleId :
VICV030

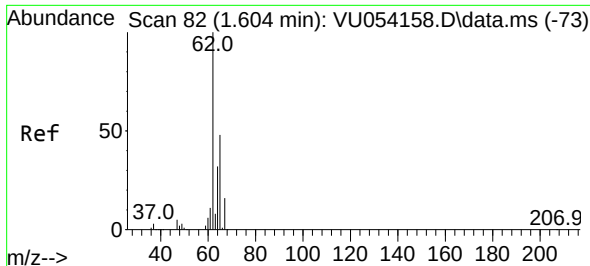
Tgt Ion: 85 Resp: 78512
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1



#3
Chloromethane
Concen: 4.907 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 50 Resp: 72812
Ion Ratio Lower Upper
50 100
52 32.9 23.7 44.1

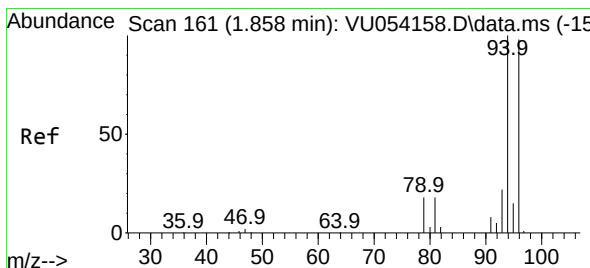
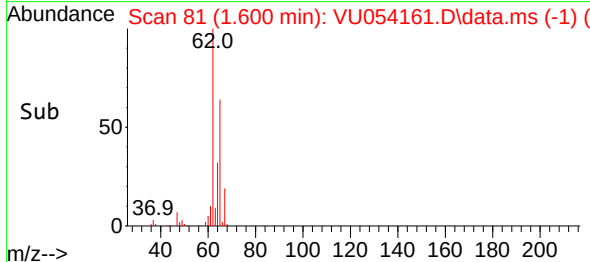
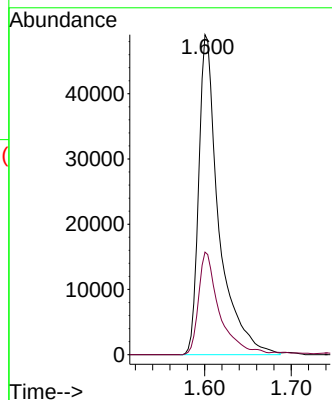
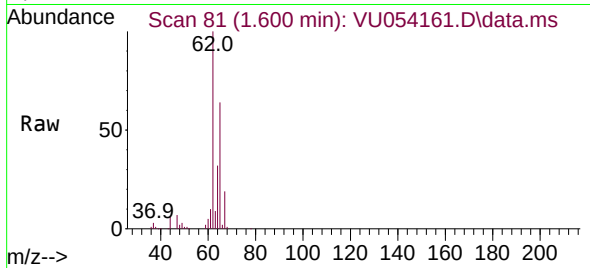




#5
 Vinyl chloride
 Concen: 5.008 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

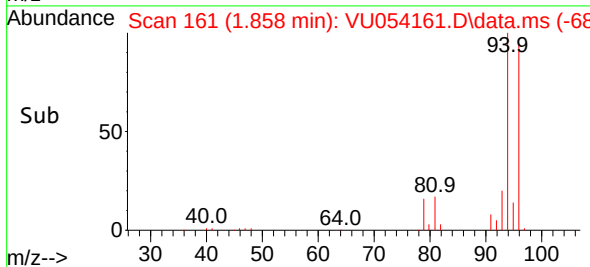
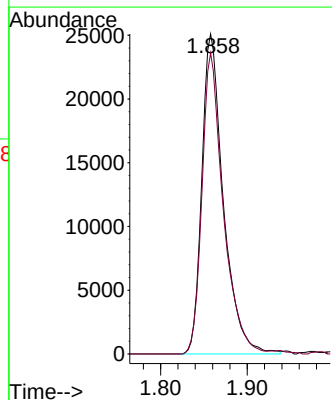
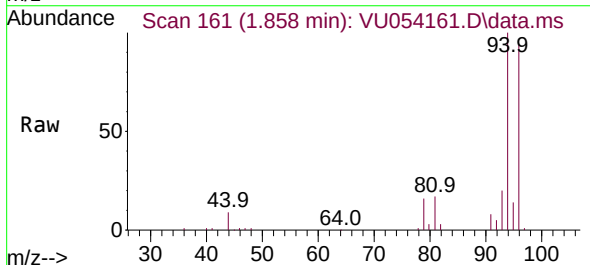
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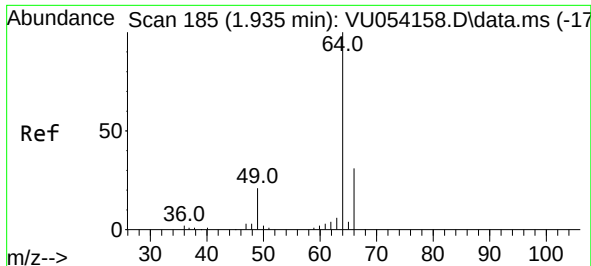
Tgt Ion: 62 Resp: 78943
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.4 41.6



#6
 Bromomethane
 Concen: 4.533 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

Tgt Ion: 94 Resp: 43345
 Ion Ratio Lower Upper
 94 100
 96 94.1 68.7 127.5

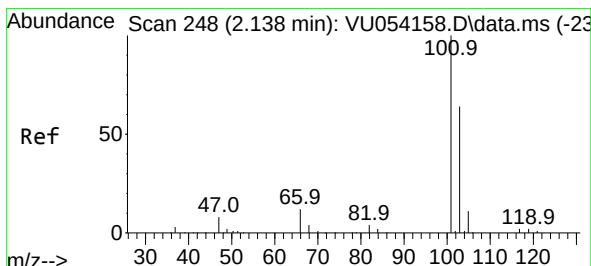
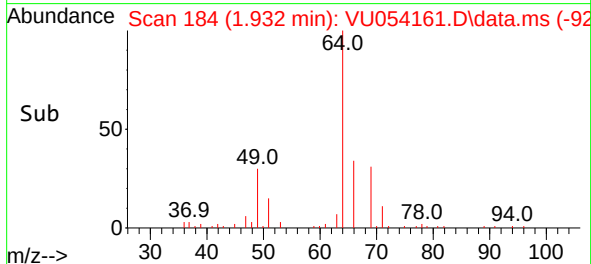
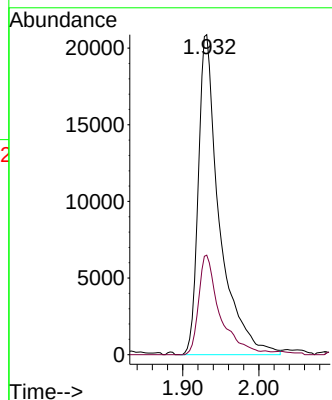
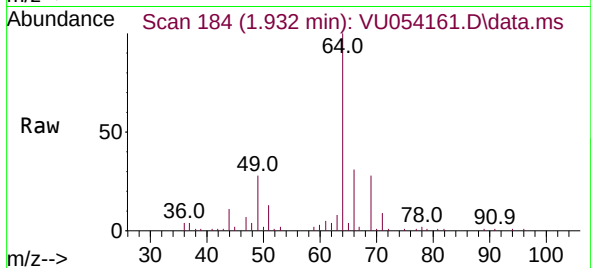




#8
Chloroethane
Concen: 4.031 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

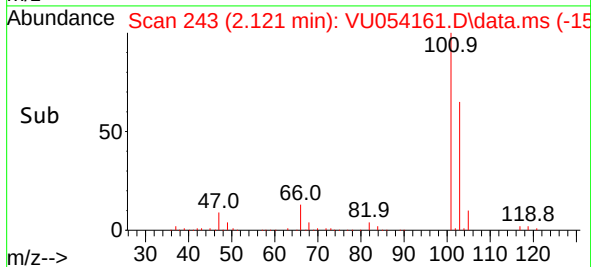
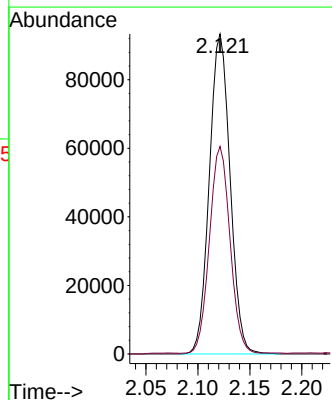
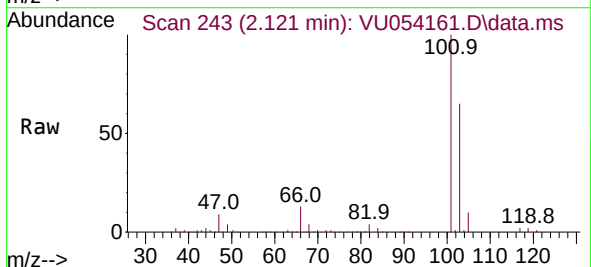
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ClientSampleId :
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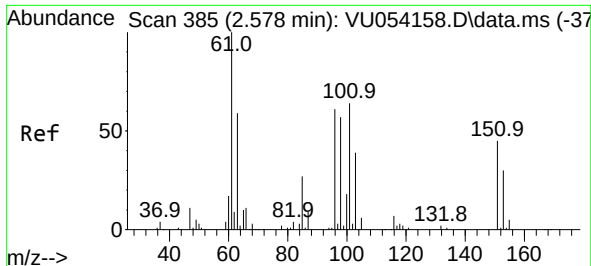
Tgt Ion: 64 Resp: 40253
Ion Ratio Lower Upper
64 100
66 31.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.169 ug/L
RT: 2.121 min Scan# 243
Delta R.T. -0.016 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion:101 Resp: 129447
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

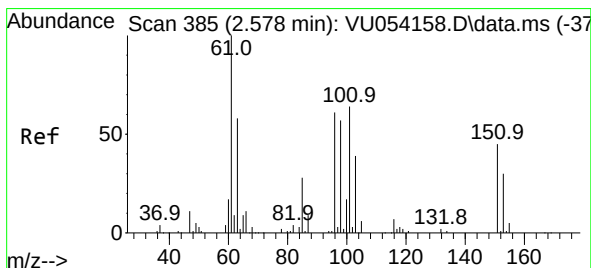
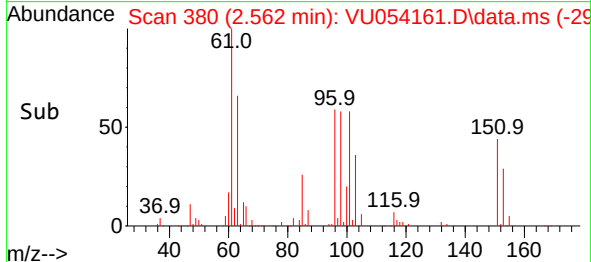
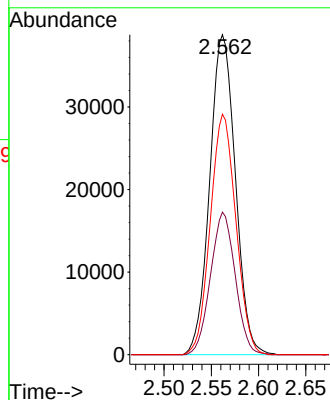
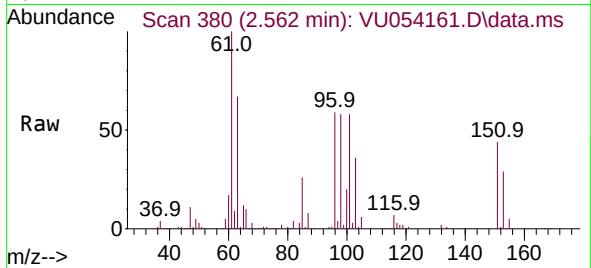




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.042 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

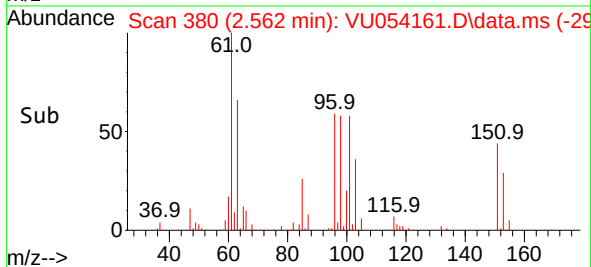
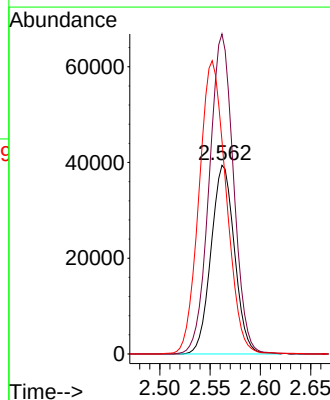
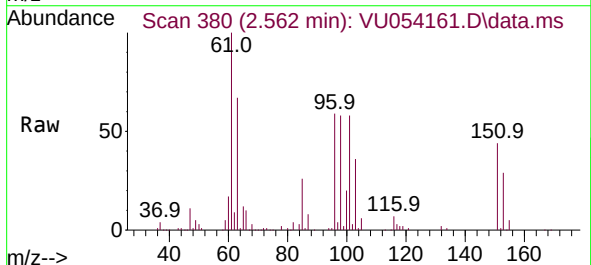
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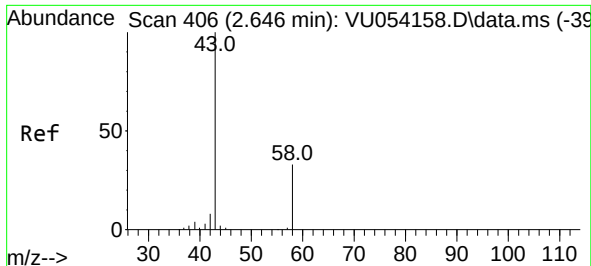
Tgt Ion:101 Resp: 73193
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.0 52.4
 151 75.0 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.935 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

Tgt Ion: 96 Resp: 63954
 Ion Ratio Lower Upper
 96 100
 61 169.6 114.7 212.9
 63 113.2 68.6 127.4





#13

Acetone

Concen: 44.132 ug/L

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

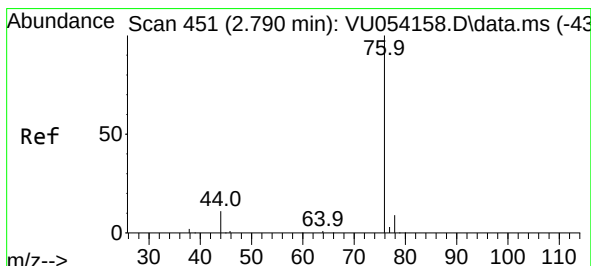
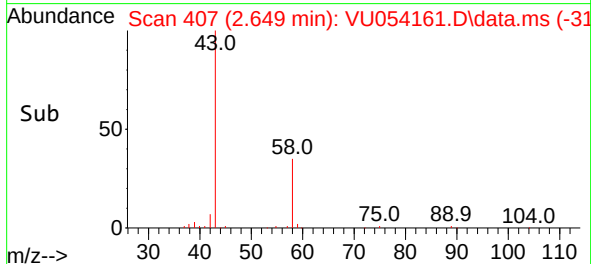
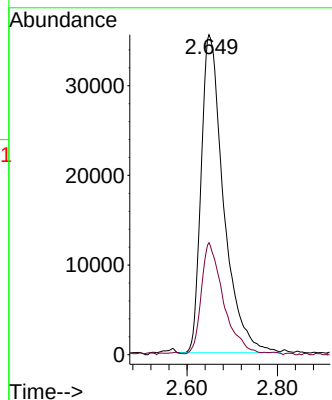
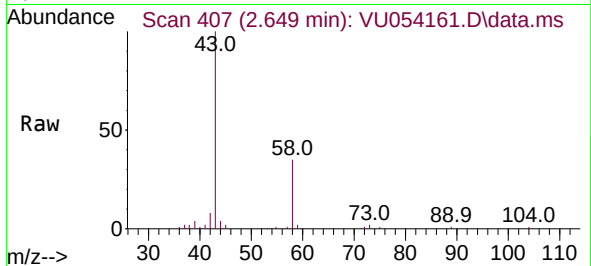
VICV030

Tgt Ion: 43 Resp: 122203

Ion Ratio Lower Upper

43 100

58 34.2 0.0 73.2



#14

Carbon disulfide

Concen: 4.846 ug/L

RT: 2.777 min Scan# 447

Delta R.T. -0.013 min

Lab File: VU054161.D

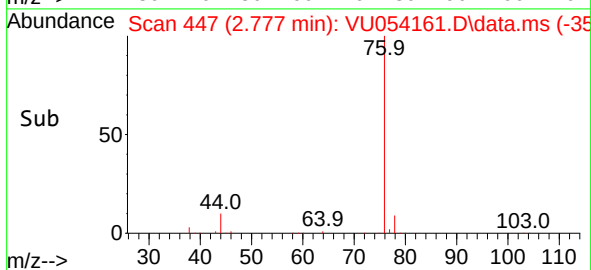
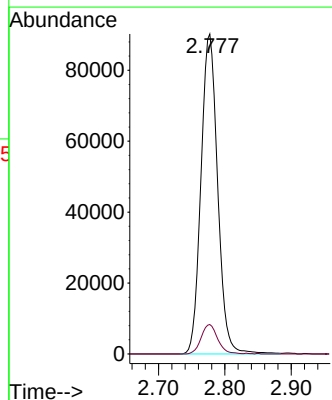
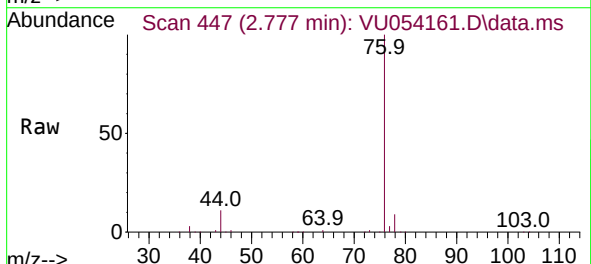
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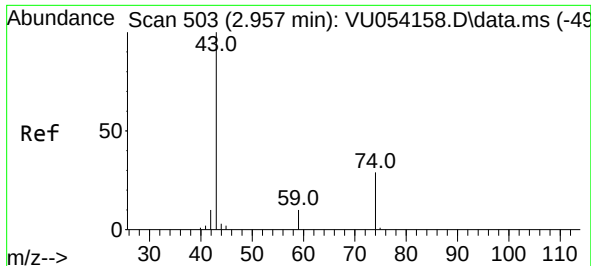
Tgt Ion: 76 Resp: 157746

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

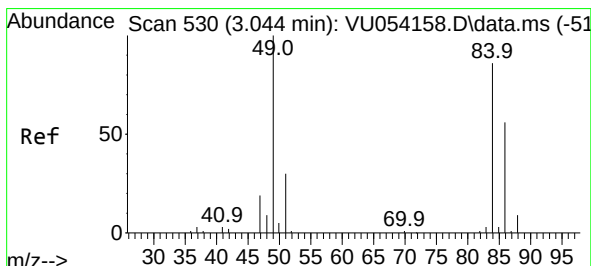
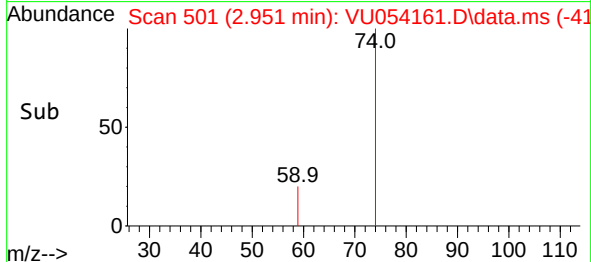
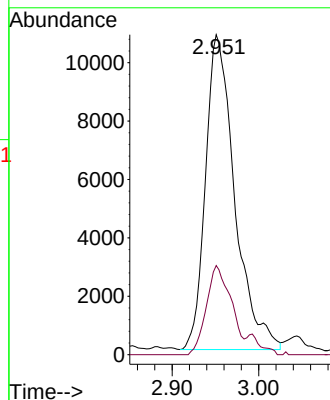
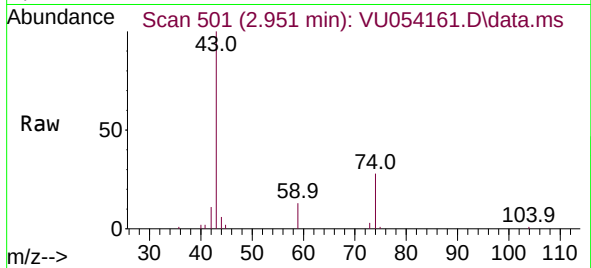




#15
Methyl Acetate
Concen: 5.092 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.007 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

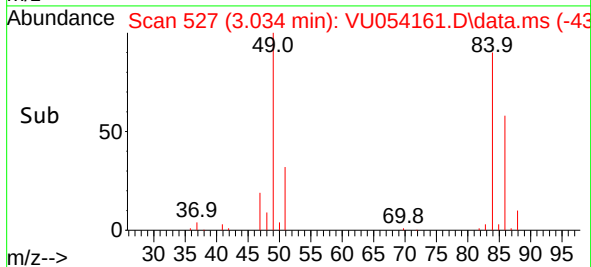
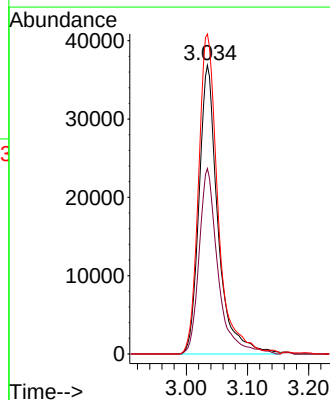
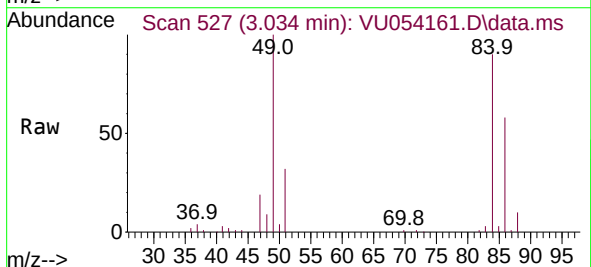
Instrument :
MSVOA_U
ClientSampleId :
VICV030

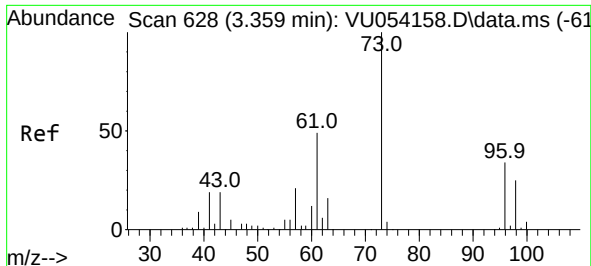
Tgt Ion: 43 Resp: 25280
Ion Ratio Lower Upper
43 100
74 23.9 20.3 30.5



#16
Methylene chloride
Concen: 4.663 ug/L
RT: 3.034 min Scan# 527
Delta R.T. -0.010 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 84 Resp: 79100
Ion Ratio Lower Upper
84 100
86 64.2 45.5 84.5
49 110.9 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 5.239 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

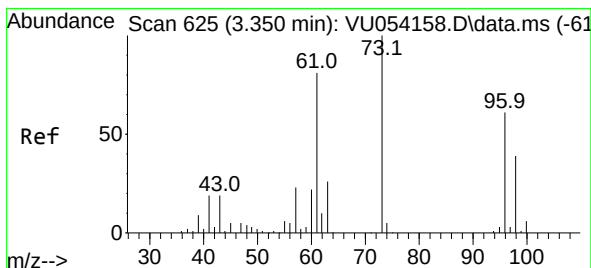
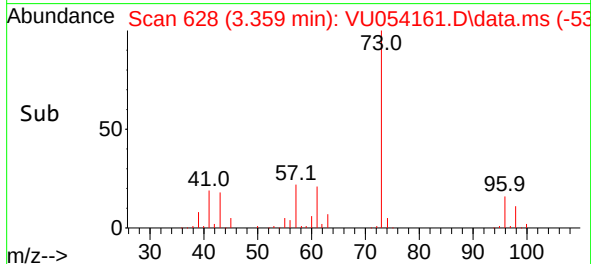
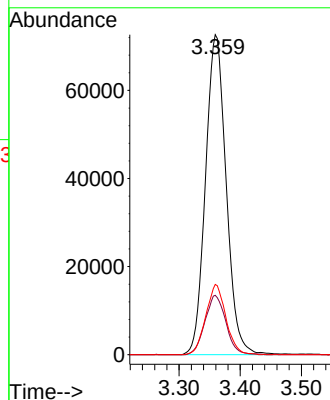
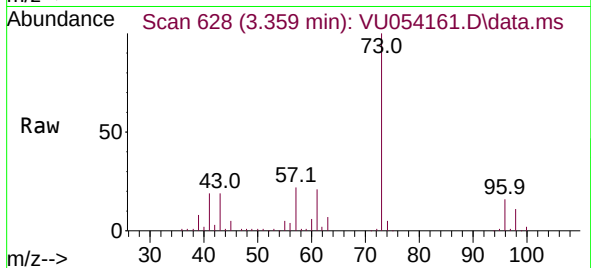
Tgt Ion: 73 Resp: 170892

Ion Ratio Lower Upper

73 100

43 18.7 14.6 22.0

57 21.3 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.167 ug/L

RT: 3.340 min Scan# 622

Delta R.T. -0.010 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

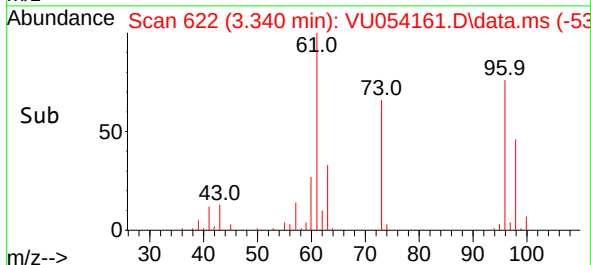
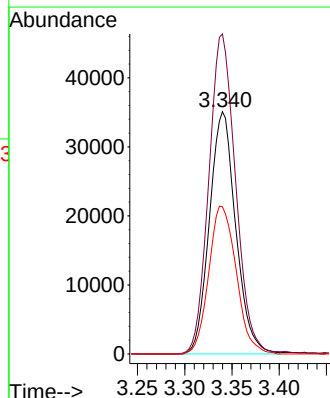
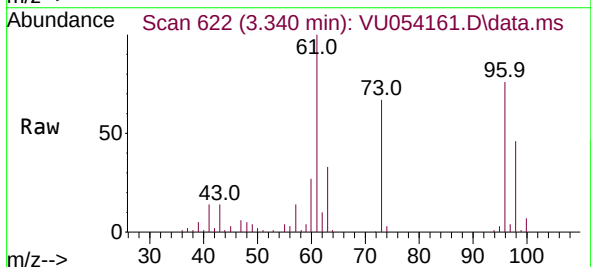
Tgt Ion: 96 Resp: 68095

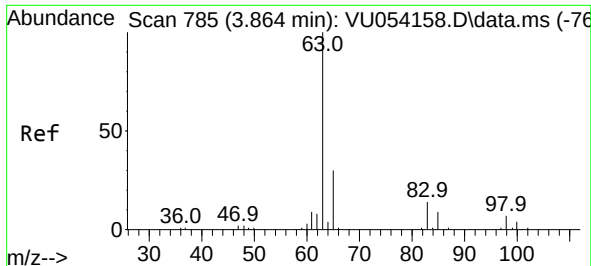
Ion Ratio Lower Upper

96 100

61 132.1 94.1 174.8

98 60.7 45.3 84.1

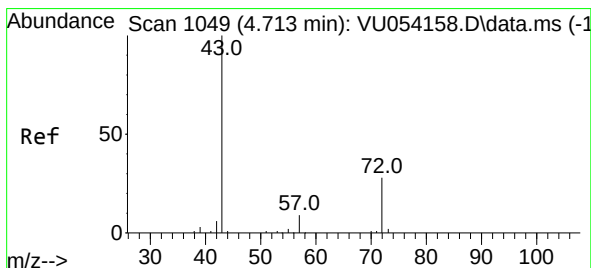
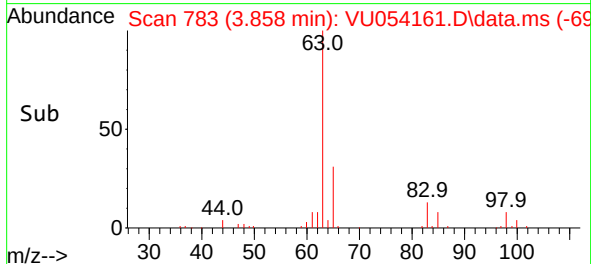
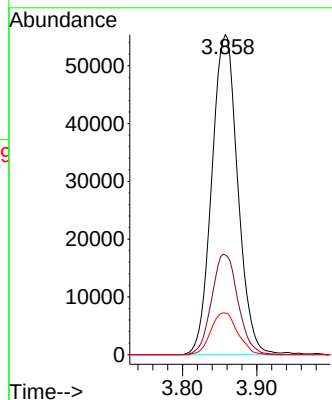
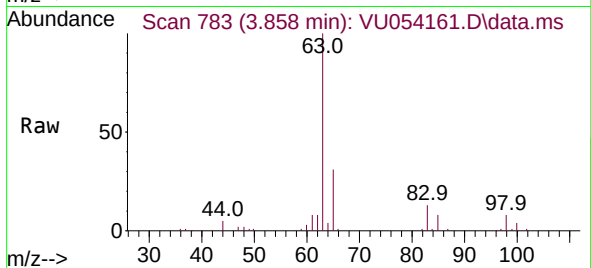




#19
1,1-Dichloroethane
Concen: 5.096 ug/L
RT: 3.858 min Scan# 71
Delta R.T. -0.007 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

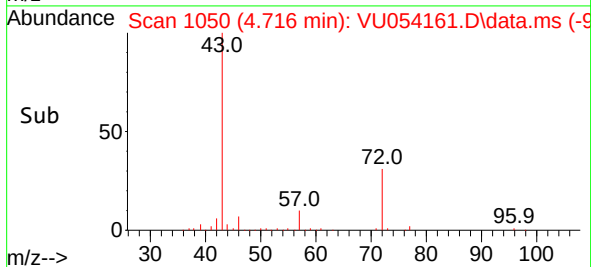
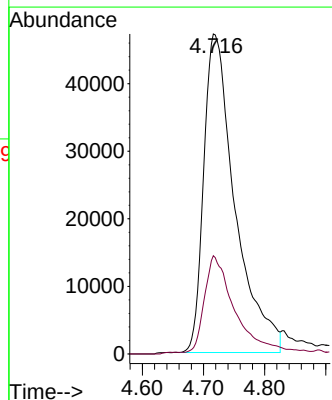
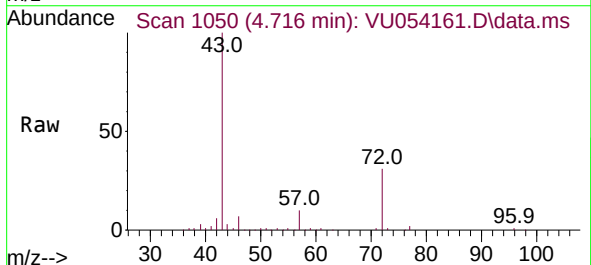
Instrument :
MSVOA_U
ClientSampleId :
VICV030

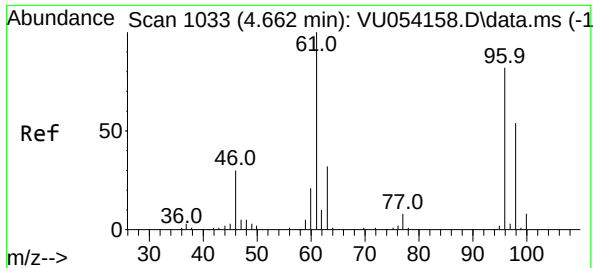
Tgt Ion: 63 Resp: 134485
Ion Ratio Lower Upper
63 100
65 31.1 20.7 38.5
83 13.0 10.1 18.7



#21
2-Butanone
Concen: 45.714 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 43 Resp: 167672
Ion Ratio Lower Upper
43 100
72 29.0 14.2 42.8

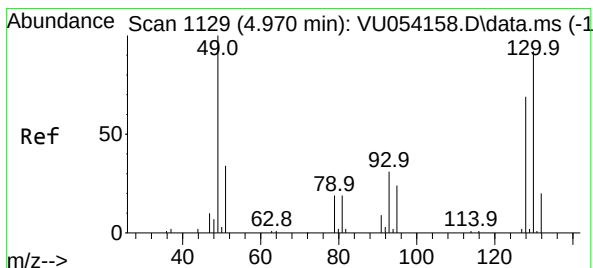
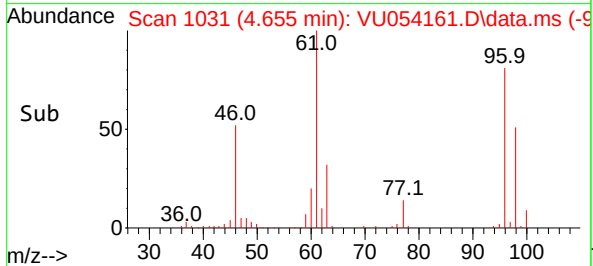
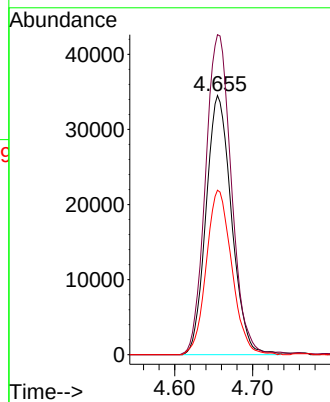
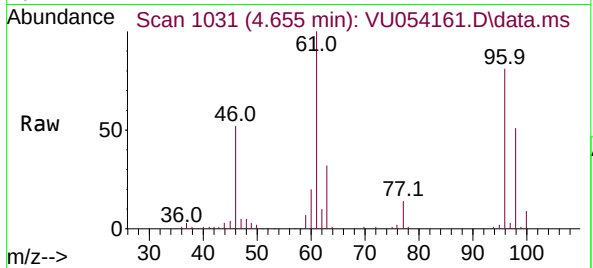




#22
 cis-1,2-Dichloroethene
 Concen: 5.092 ug/L
 RT: 4.655 min Scan# 1031
 Delta R.T. -0.007 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

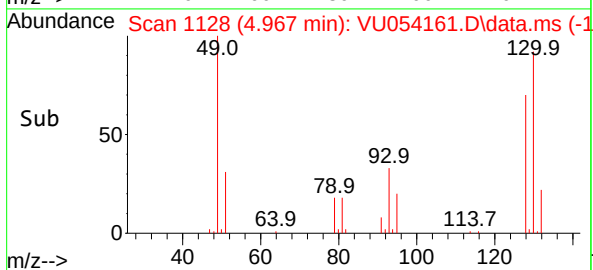
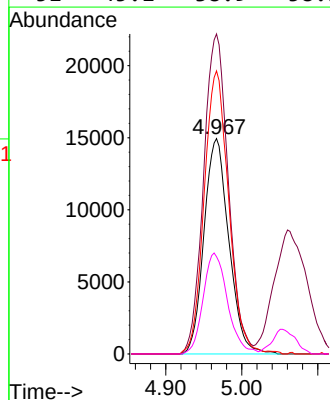
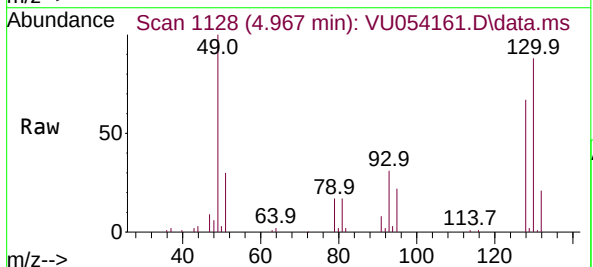
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV030

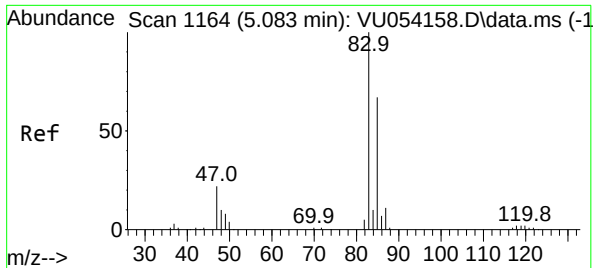
Tgt Ion: 96	Resp: 78479
Ion Ratio	Lower Upper
96 100	
61 123.5	85.0 157.8
98 63.5	45.8 85.0



#23
 Bromochloromethane
 Concen: 5.039 ug/L
 RT: 4.967 min Scan# 1128
 Delta R.T. -0.003 min
 Lab File: VU054161.D
 Acq: 18 May 2023 11:50

Tgt	Ion:128	Resp:	33924
Ion	Ratio	Lower	Upper
128	100		
49	148.6	100.9	187.3
130	131.4	93.2	173.0
51	45.1	38.9	58.3





#25

Chloroform

Concen: 4.979 ug/L

RT: 5.079 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

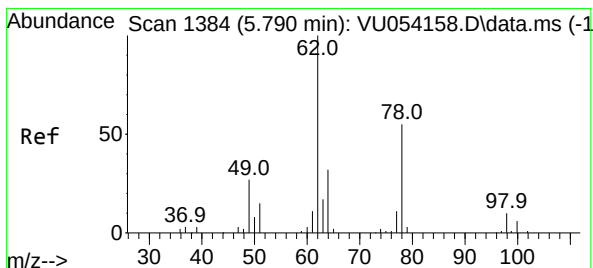
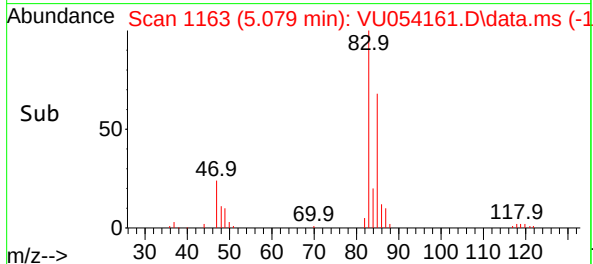
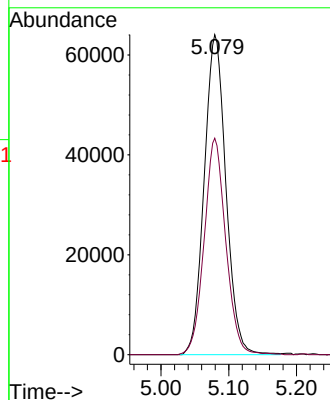
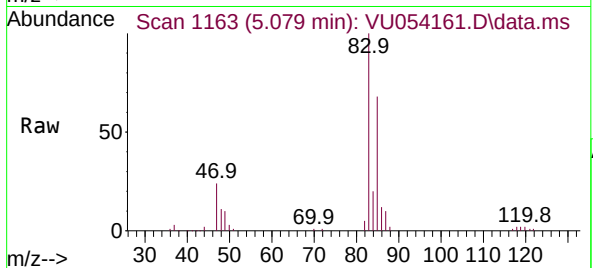
VICV030

Tgt Ion: 83 Resp: 142515

Ion Ratio Lower Upper

83 100

85 67.6 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.050 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054161.D

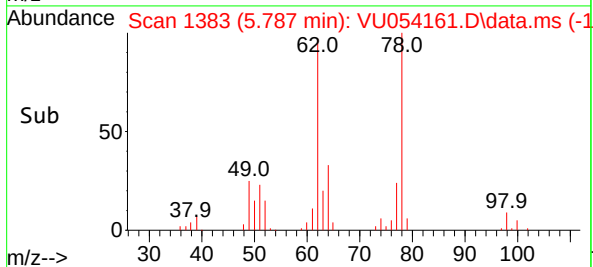
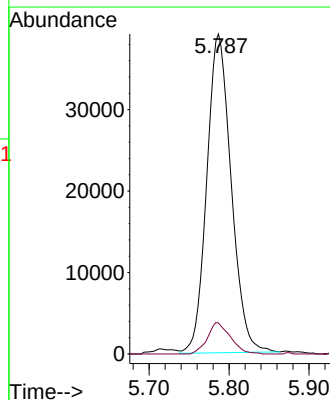
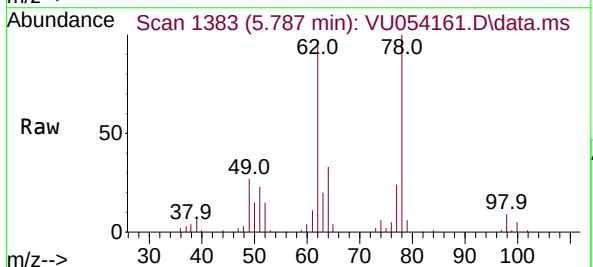
Acq: 18 May 2023 11:50

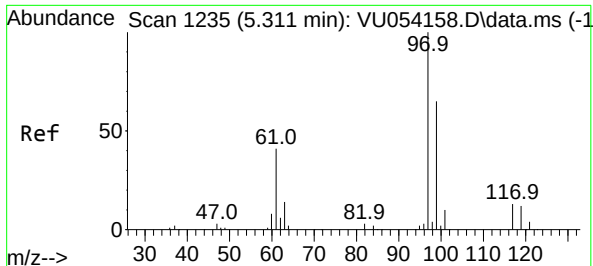
Tgt Ion: 62 Resp: 83114

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.036 ug/L

RT: 5.304 min Scan# 1

Delta R.T. -0.007 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

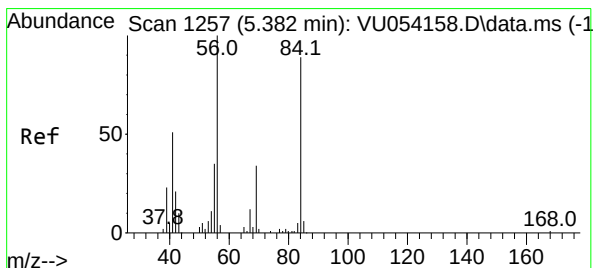
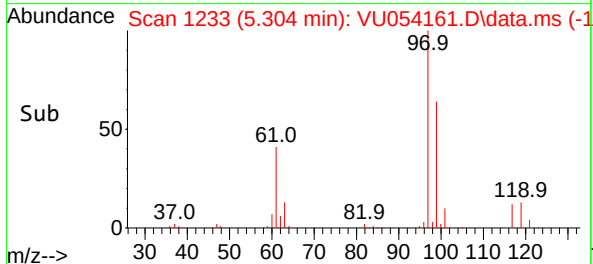
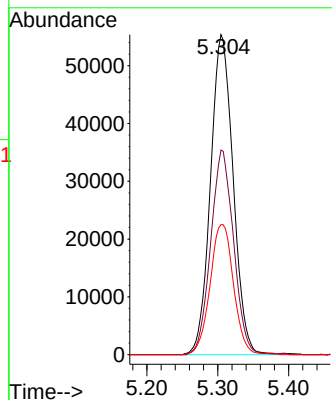
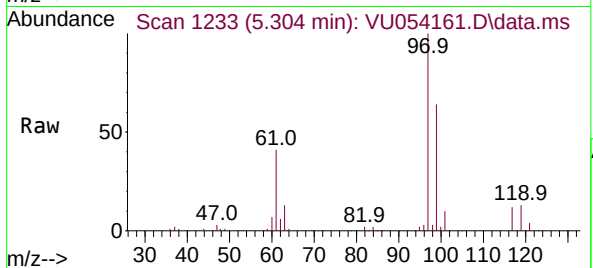
Tgt Ion: 97 Resp: 123027

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 42.2 33.4 50.2



#30

Cyclohexane

Concen: 5.536 ug/L

RT: 5.375 min Scan# 1255

Delta R.T. -0.007 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

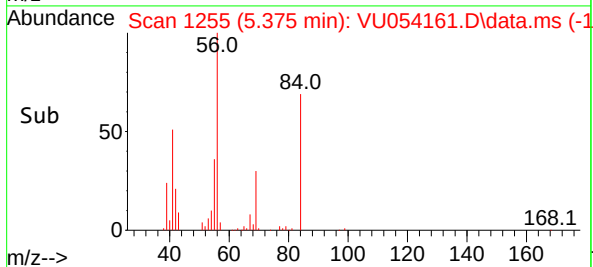
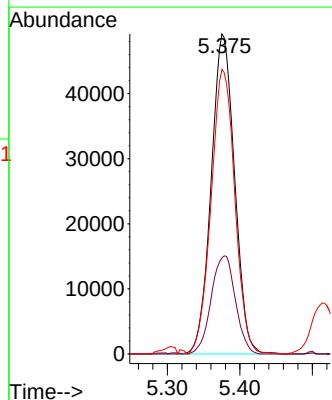
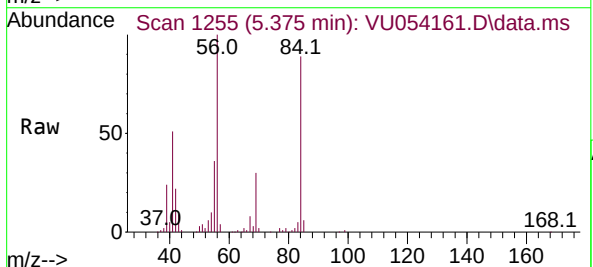
Tgt Ion: 56 Resp: 110069

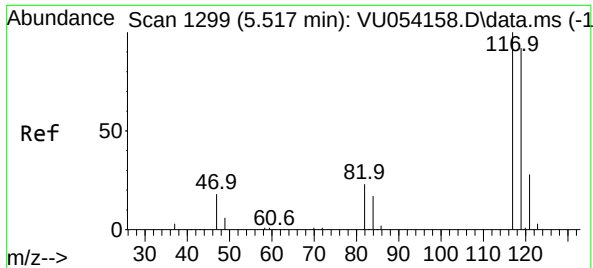
Ion Ratio Lower Upper

56 100

69 31.8 26.2 39.4

84 90.4 74.2 111.4

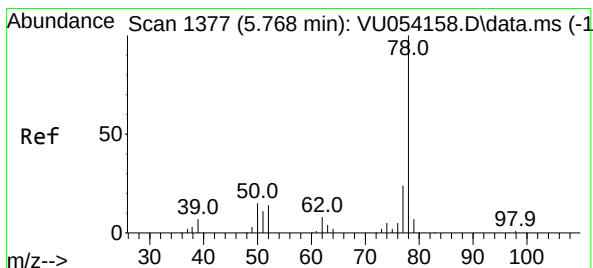
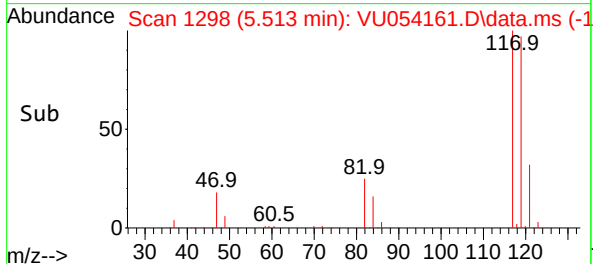
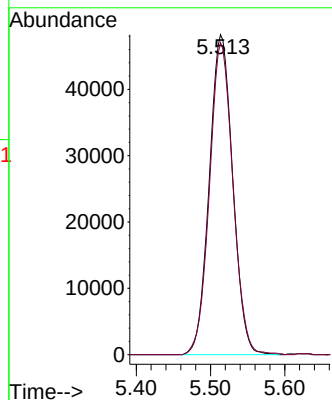
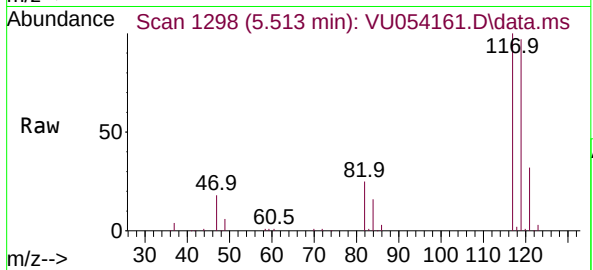




#31
Carbon tetrachloride
Concen: 4.993 ug/L
RT: 5.513 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

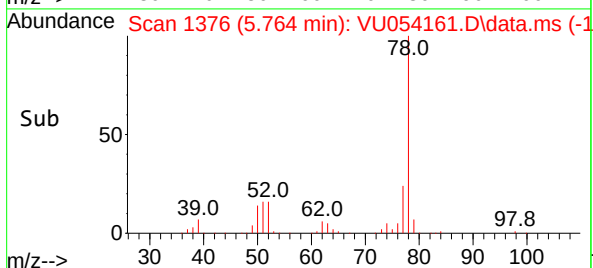
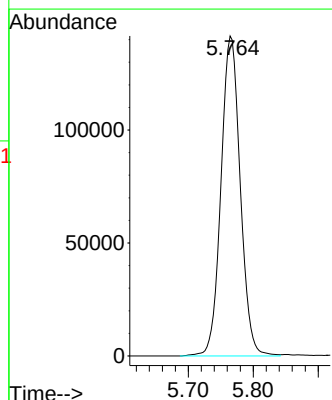
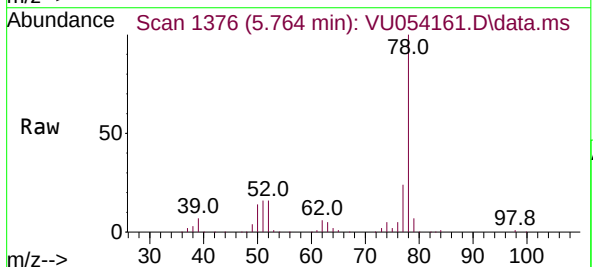
Instrument :
MSVOA_U
ClientSampleId :
VICV030

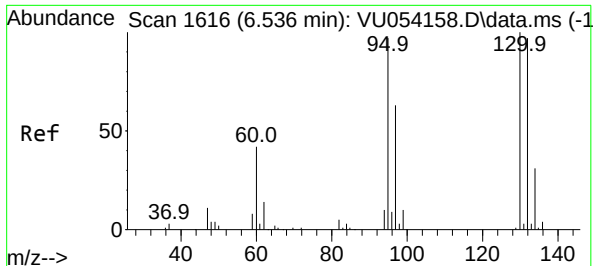
Tgt Ion:117 Resp: 105789
Ion Ratio Lower Upper
117 100
119 97.4 76.6 114.8



#33
Benzene
Concen: 5.269 ug/L
RT: 5.764 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 78 Resp: 291047





#34

Trichloroethene

Concen: 5.265 ug/L

RT: 6.533 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

Tgt Ion: 95 Resp: 78216

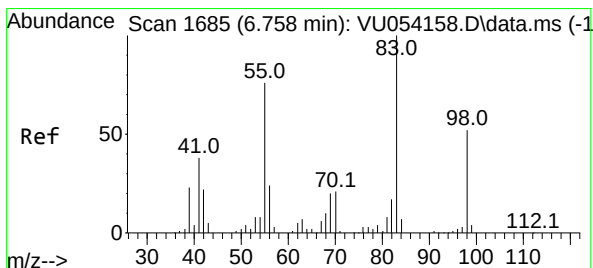
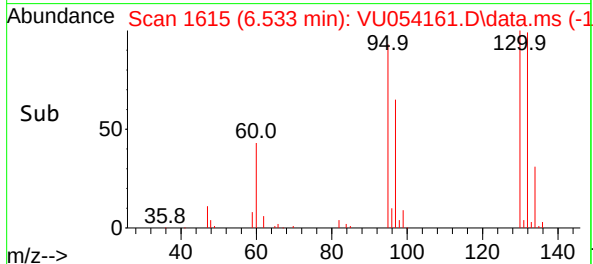
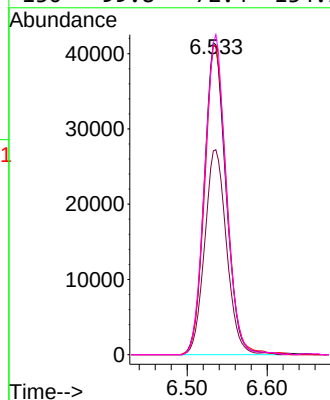
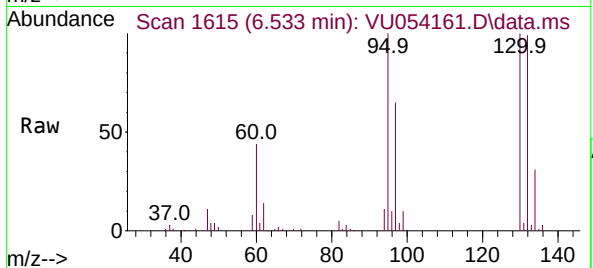
Ion Ratio Lower Upper

95 100

97 65.3 45.8 85.0

132 99.0 70.1 130.3

130 99.8 72.4 134.5



#35

Methylcyclohexane

Concen: 5.302 ug/L

RT: 6.755 min Scan# 1684

Delta R.T. -0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

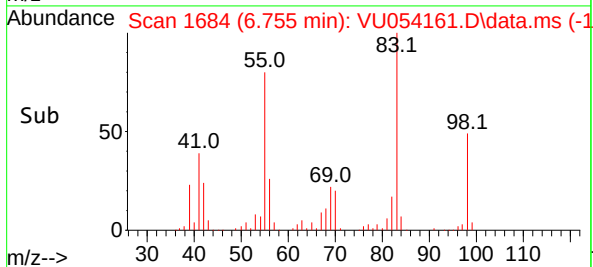
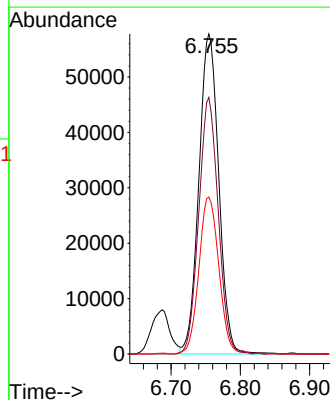
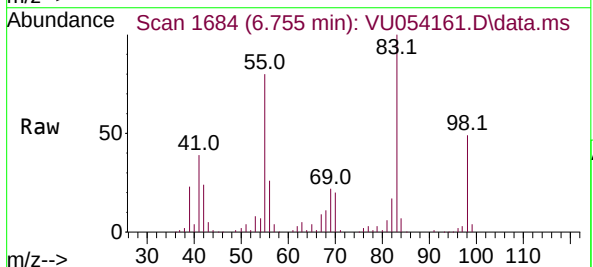
Tgt Ion: 83 Resp: 115168

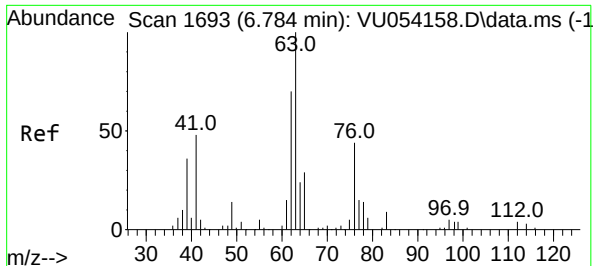
Ion Ratio Lower Upper

83 100

55 78.4 61.6 92.4

98 49.0 41.3 61.9





#37

1,2-Dichloropropane

Concen: 5.312 ug/L

RT: 6.783 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

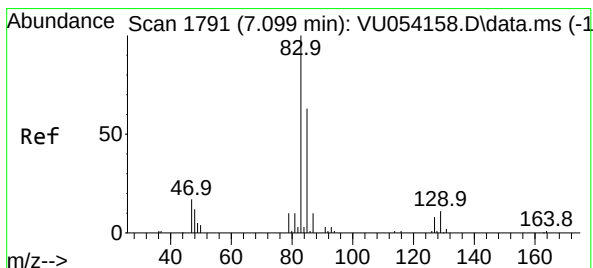
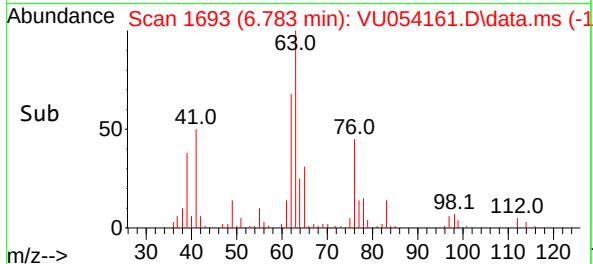
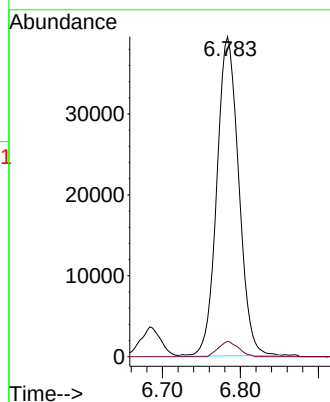
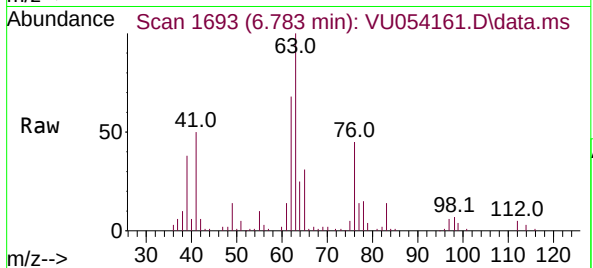
VICV030

Tgt Ion: 63 Resp: 77039

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 5.052 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

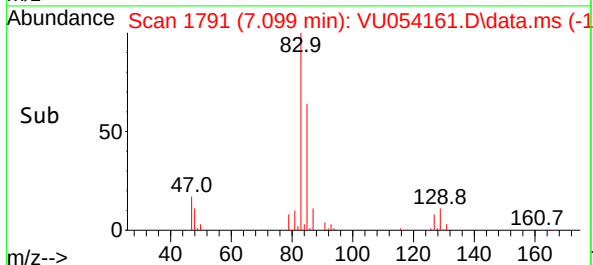
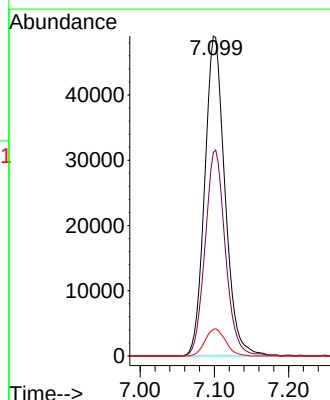
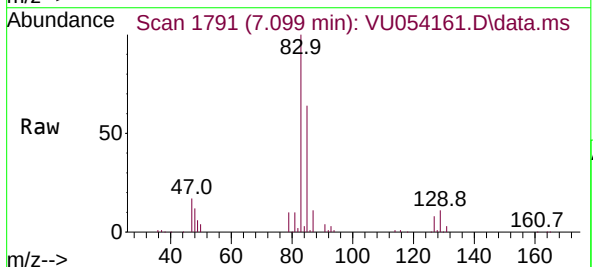
Tgt Ion: 83 Resp: 92790

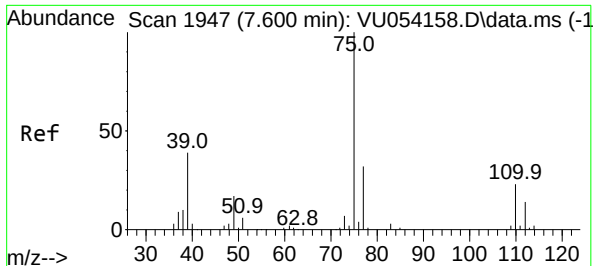
Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.0

127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.278 ug/L

RT: 7.600 min Scan# 114050

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

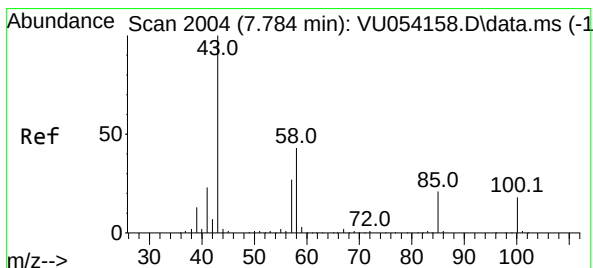
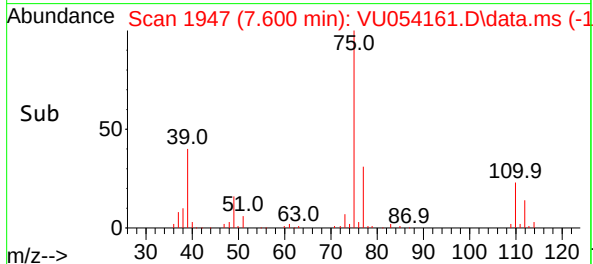
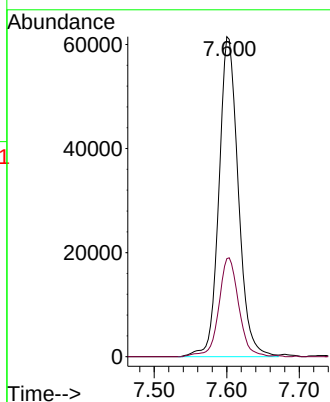
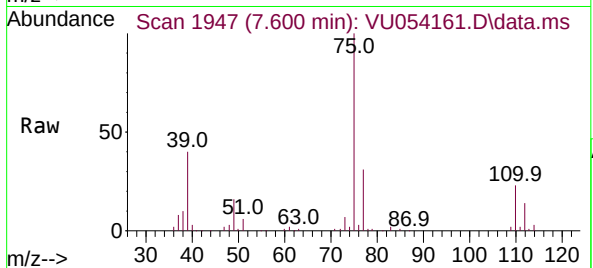
VICV030

Tgt Ion: 75 Resp: 114050

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 54.555 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.009 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

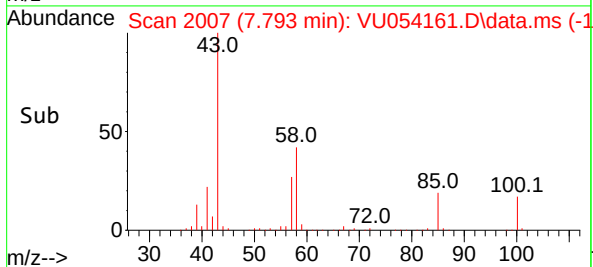
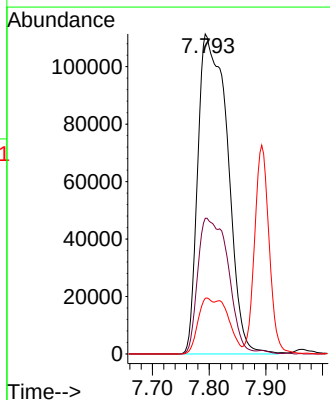
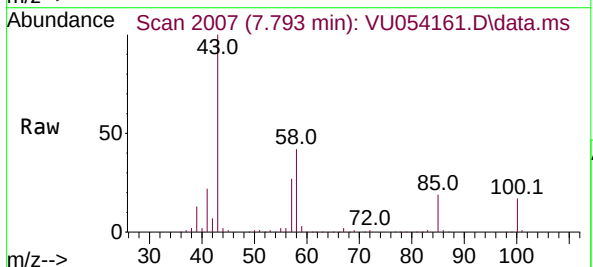
Tgt Ion: 43 Resp: 402774

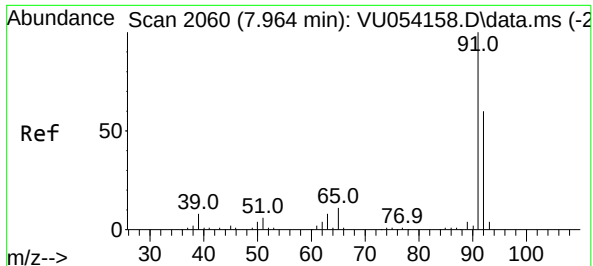
Ion Ratio Lower Upper

43 100

58 43.5 34.8 52.2

100 9.3 14.1 21.1#





#42

Toluene

Concen: 5.353 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

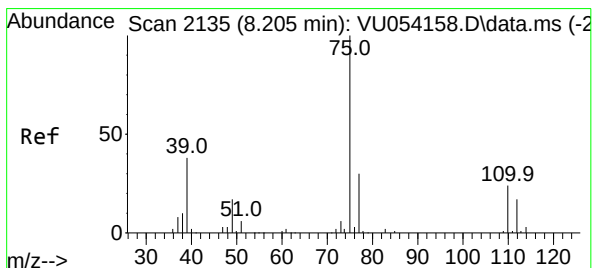
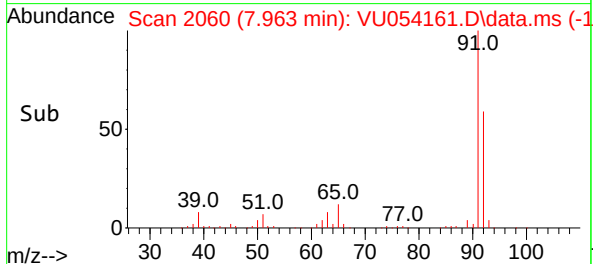
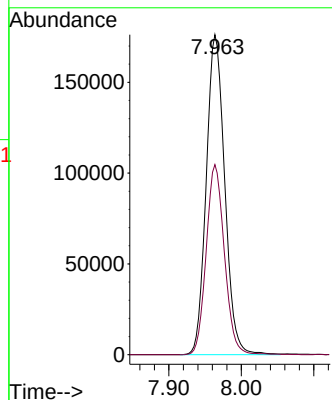
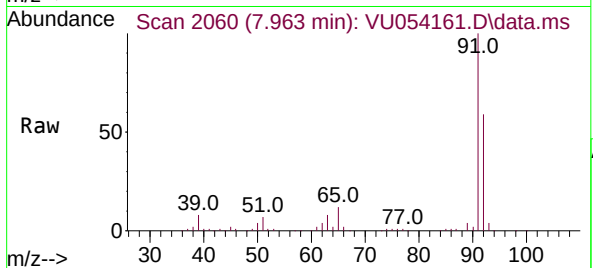
VICV030

Tgt Ion: 91 Resp: 312452

Ion Ratio Lower Upper

91 100

92 59.4 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054161.D

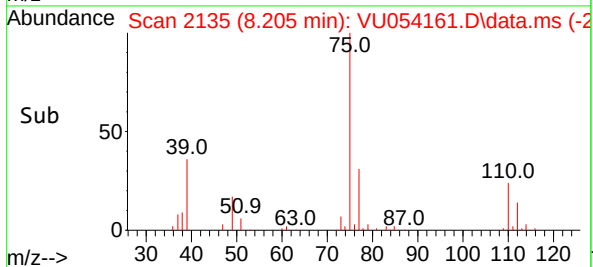
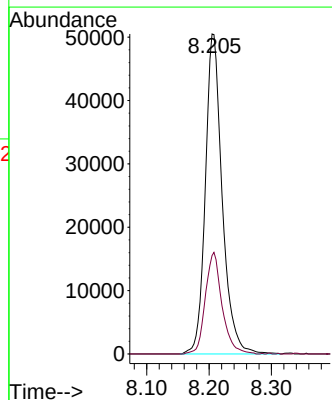
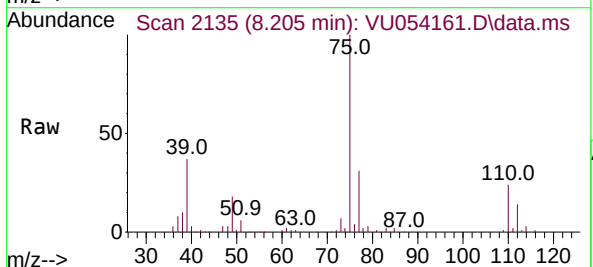
Acq: 18 May 2023 11:50

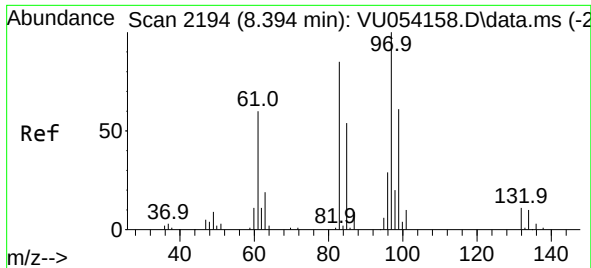
Tgt Ion: 75 Resp: 95087

Ion Ratio Lower Upper

75 100

77 30.8 20.8 38.6

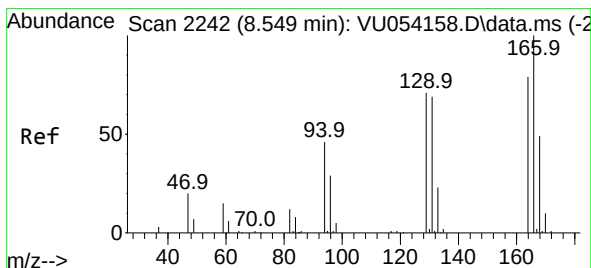
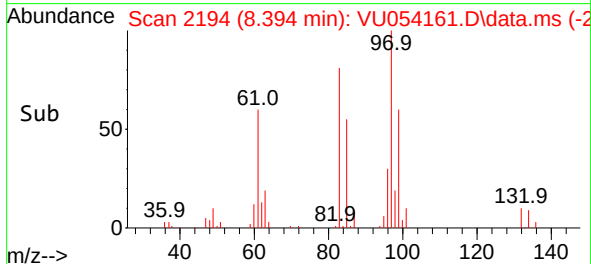
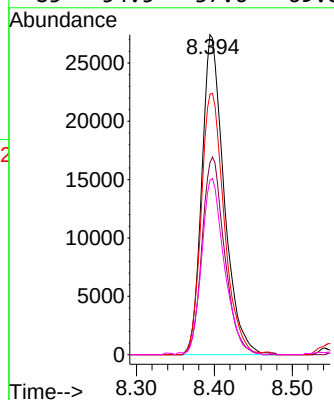
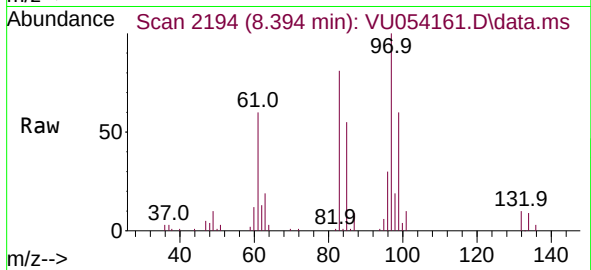




#45
1,1,2-Trichloroethane
Concen: 5.201 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

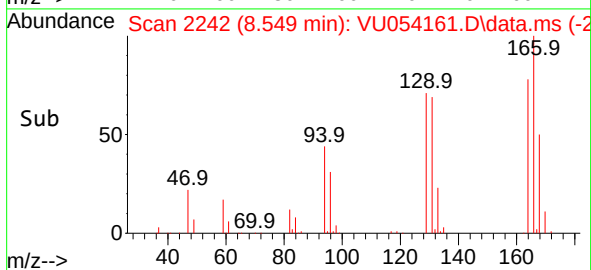
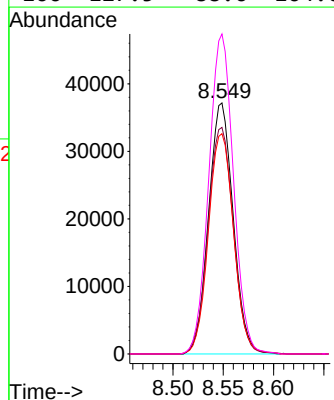
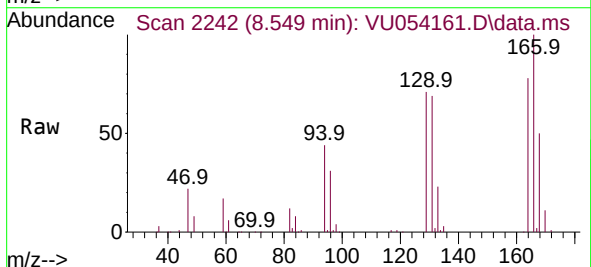
Instrument :
MSVOA_U
ClientSampleId :
VICV030

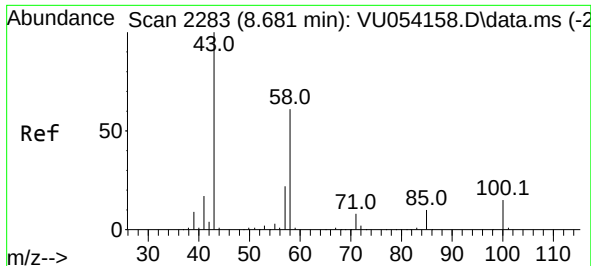
Tgt Ion:	97	Resp:	54362
Ion	Ratio	Lower	Upper
97	100		
99	60.0	43.0	79.8
83	81.4	59.1	109.9
85	54.5	37.6	69.8



#47
Tetrachloroethene
Concen: 5.181 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion:	164	Resp:	63252
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.3	117.7
131	87.8	61.0	113.4
166	127.5	88.6	164.6

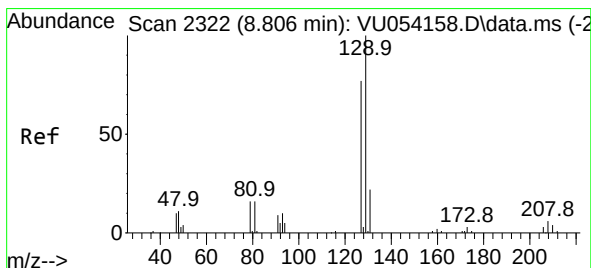
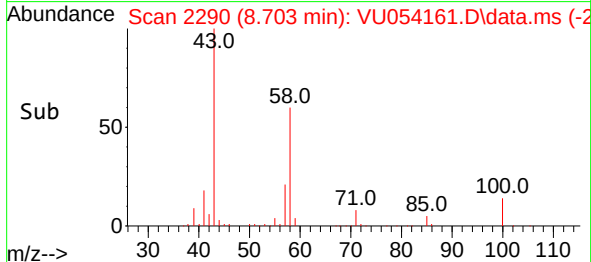
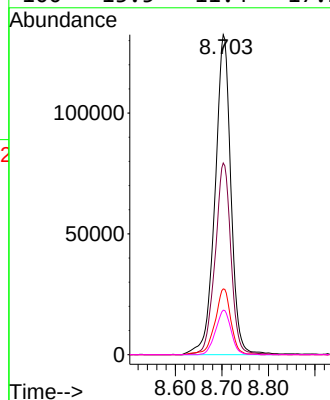
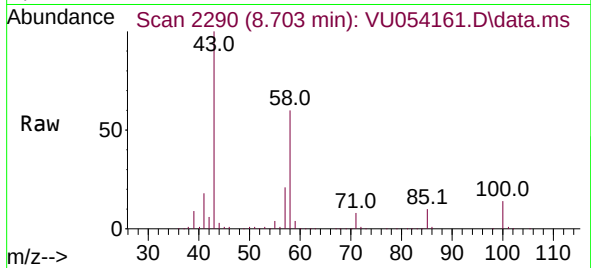




#48
2-Hexanone
Concen: 56.330 ug/L
RT: 8.703 min Scan# 2144
Delta R.T. 0.022 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

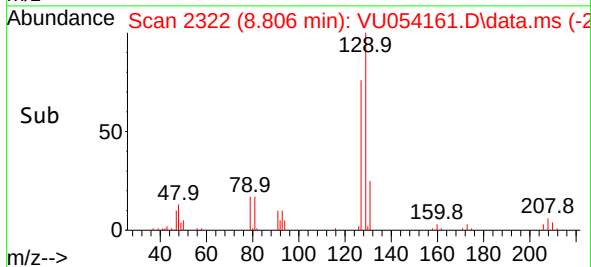
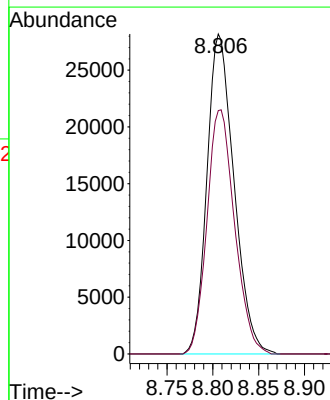
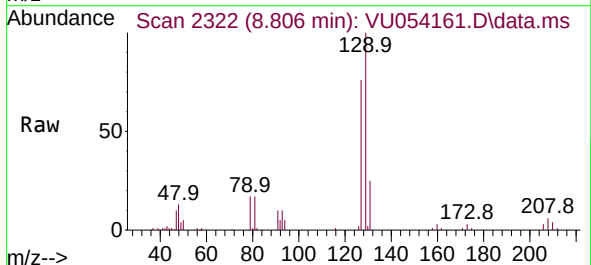
Instrument :
MSVOA_U
ClientSampleId :
VICV030

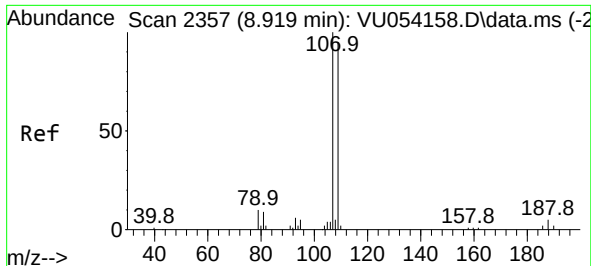
Tgt Ion:	43	Resp:	314439
Ion	Ratio	Lower	Upper
43	100		
58	59.5	48.6	72.8
57	20.7	16.7	25.1
100	13.5	11.4	17.2



#49
Dibromochloromethane
Concen: 4.955 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion:	129	Resp:	57816
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.260 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

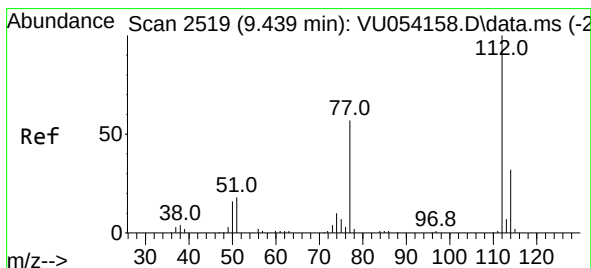
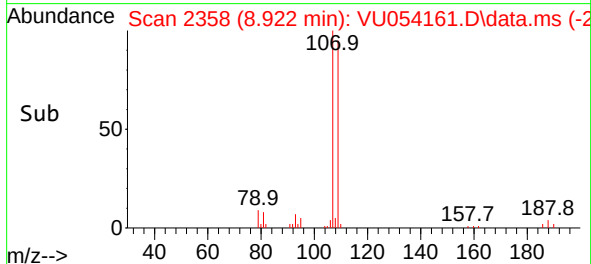
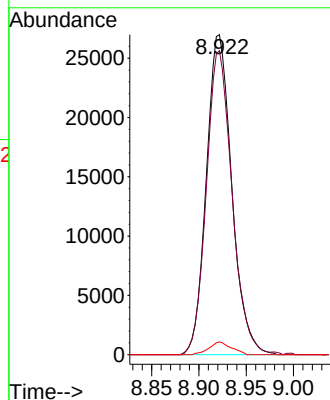
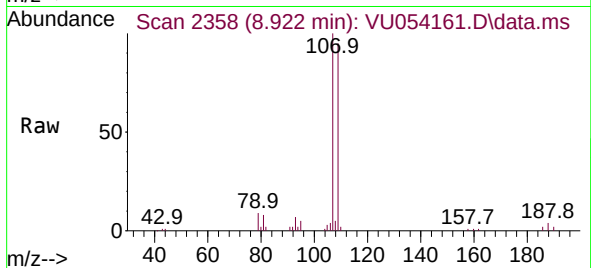
Tgt Ion:107 Resp: 50527

Ion Ratio Lower Upper

107 100

109 95.0 66.4 123.2

188 4.0 3.8 5.6



#51

Chlorobenzene

Concen: 5.271 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

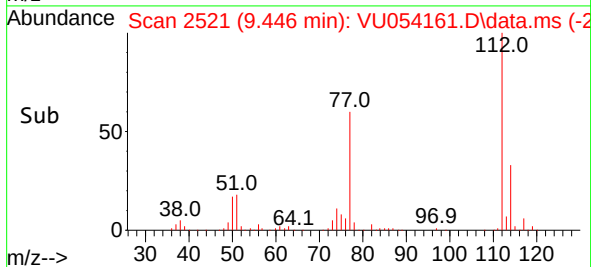
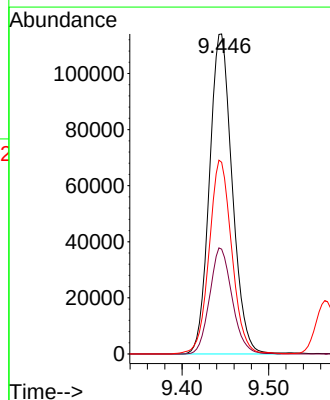
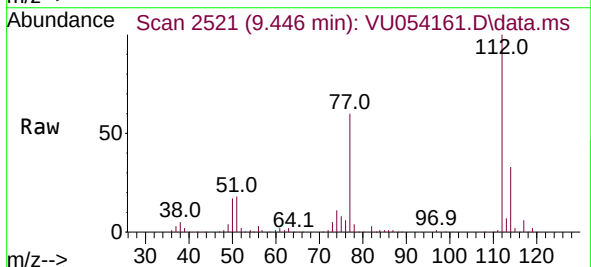
Tgt Ion:112 Resp: 208016

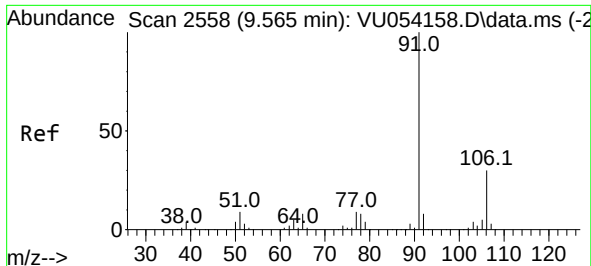
Ion Ratio Lower Upper

112 100

114 32.8 22.4 41.6

77 59.9 46.1 69.1

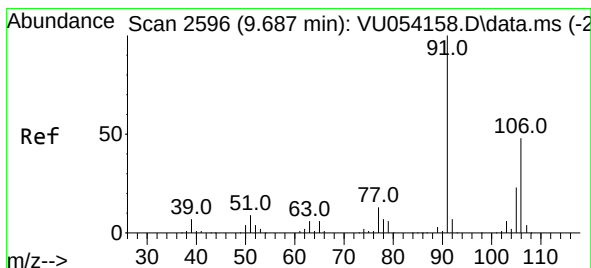
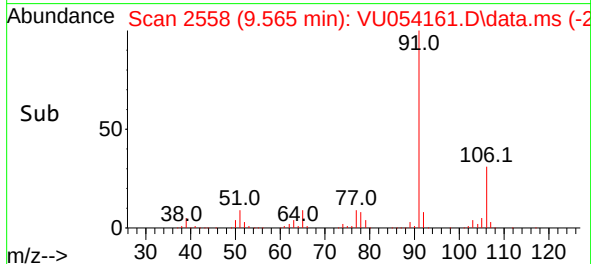
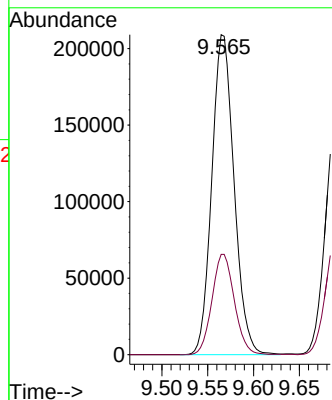
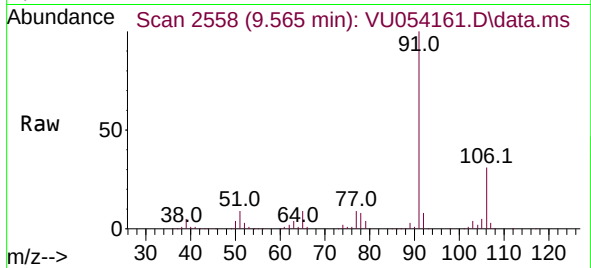




#52
Ethylbenzene
Concen: 5.430 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

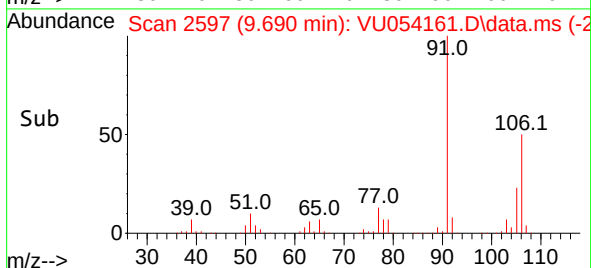
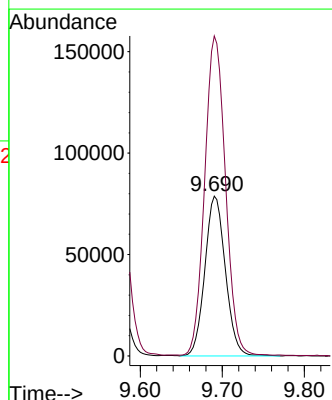
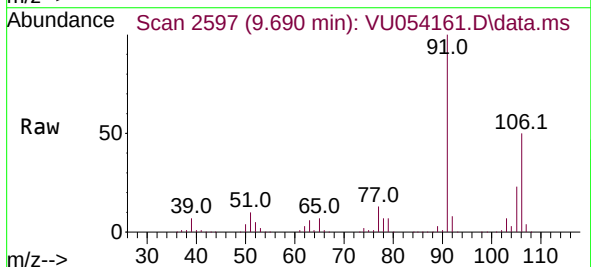
Instrument :
MSVOA_U
ClientSampleId :
VICV030

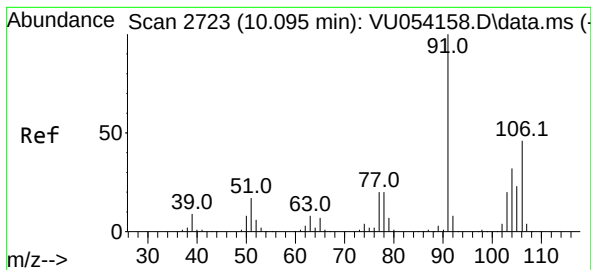
Tgt Ion: 91 Resp: 353180
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.538 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 106 Resp: 136824
Ion Ratio Lower Upper
106 100
91 200.2 146.3 271.7





#54

o-Xylene

Concen: 5.405 ug/L

RT: 10.098 min Scan# 2723

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

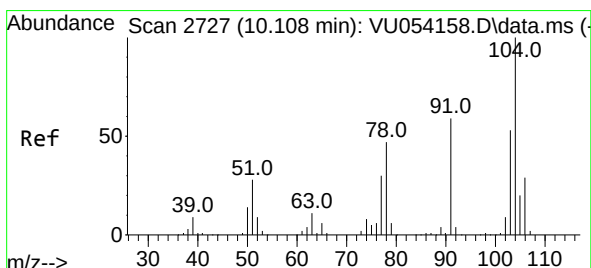
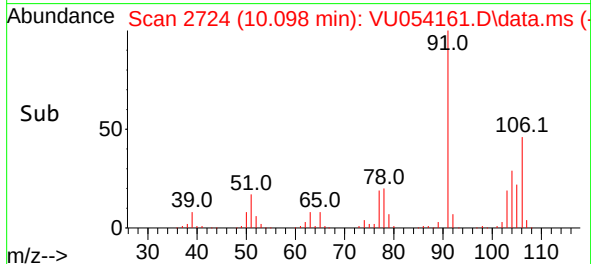
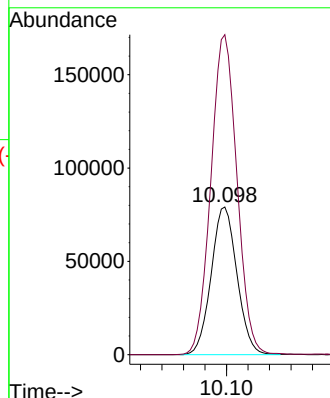
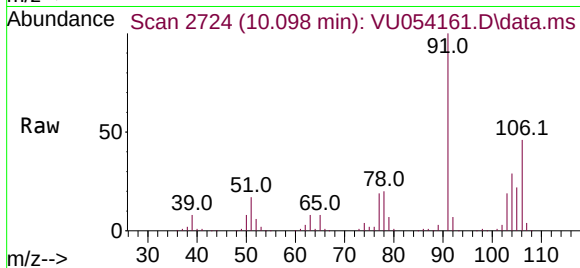
VICV030

Tgt Ion:106 Resp: 131870

Ion Ratio Lower Upper

106 100

91 216.7 153.6 285.3



#55

Styrene

Concen: 5.605 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.006 min

Lab File: VU054161.D

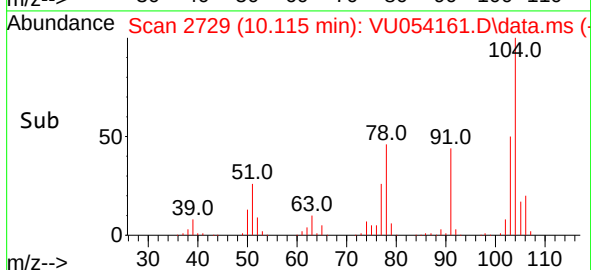
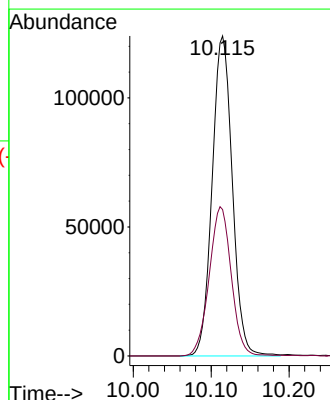
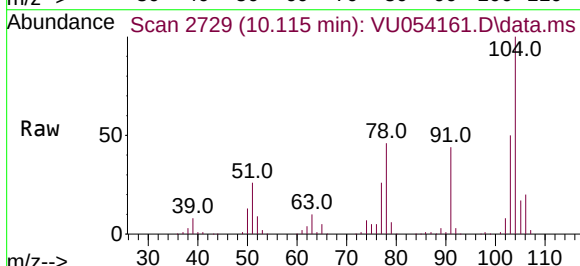
Acq: 18 May 2023 11:50

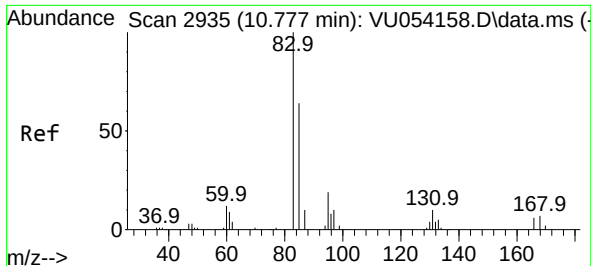
Tgt Ion:104 Resp: 223586

Ion Ratio Lower Upper

104 100

78 45.8 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.206 ug/L

RT: 10.783 min Scan# 2935

Delta R.T. 0.006 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

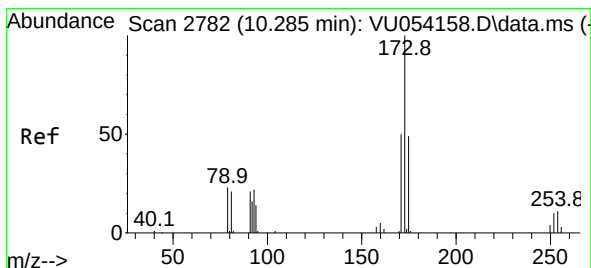
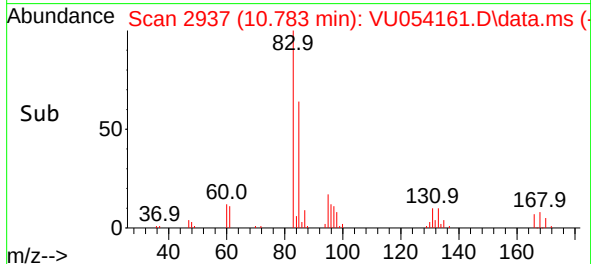
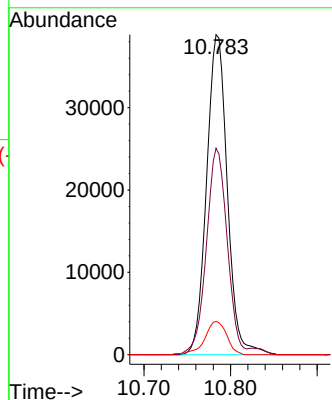
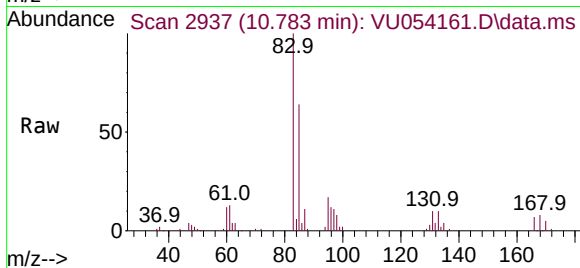
Tgt Ion: 83 Resp: 64611

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

131 10.4 8.1 12.1



#59

Bromoform

Concen: 5.073 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.009 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

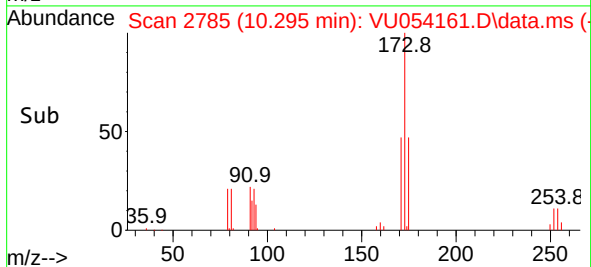
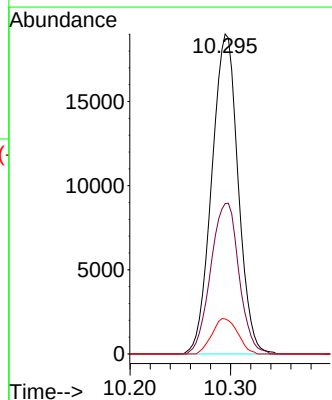
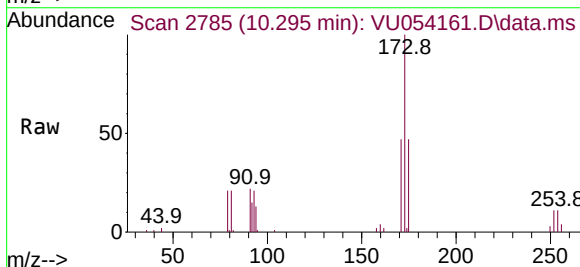
Tgt Ion:173 Resp: 34611

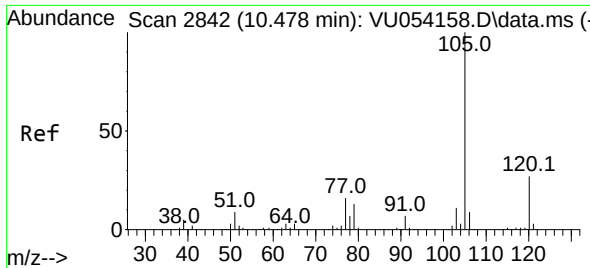
Ion Ratio Lower Upper

173 100

175 50.3 38.6 58.0

254 10.8 7.9 11.9

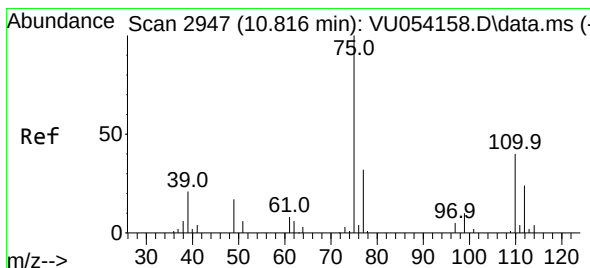
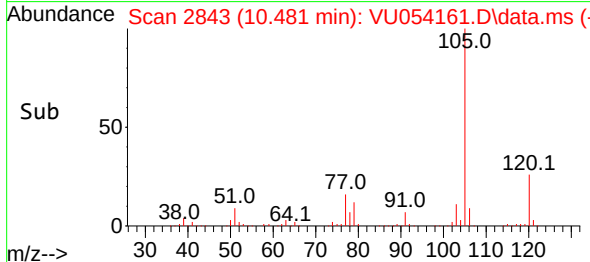
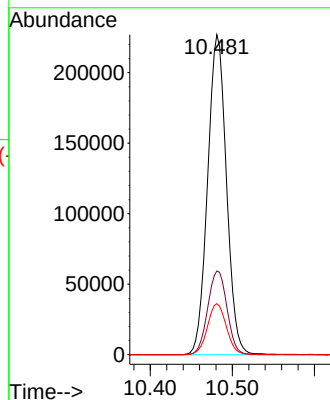
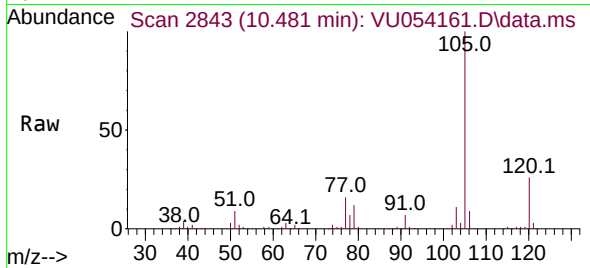




#60
Isopropylbenzene
Concen: 5.581 ug/L
RT: 10.481 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

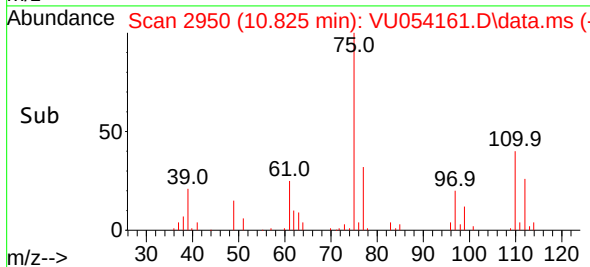
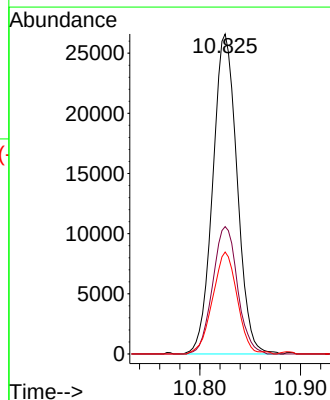
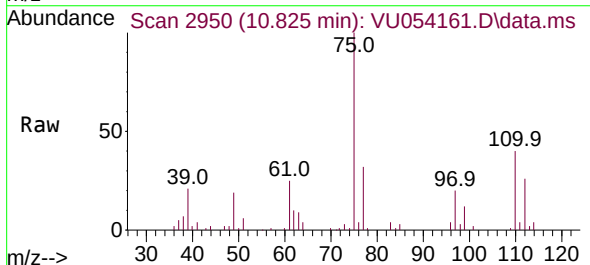
Instrument :
MSVOA_U
ClientSampleId :
VICV030

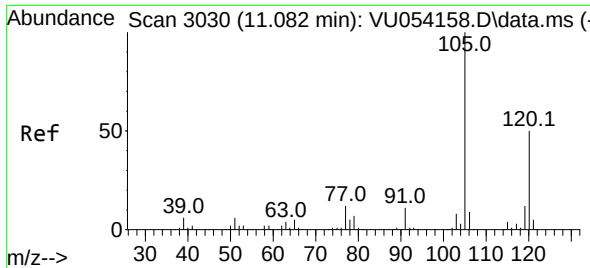
Tgt Ion:105 Resp: 361303
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.196 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.009 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion: 75 Resp: 44691
Ion Ratio Lower Upper
75 100
110 40.7 32.3 48.5
77 32.3 26.3 39.5

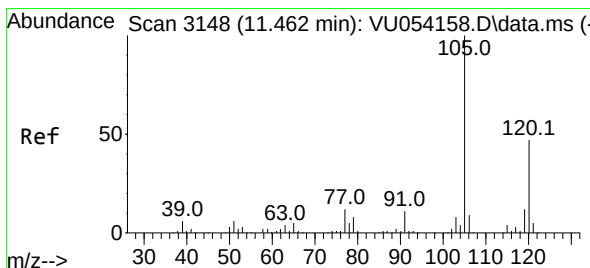
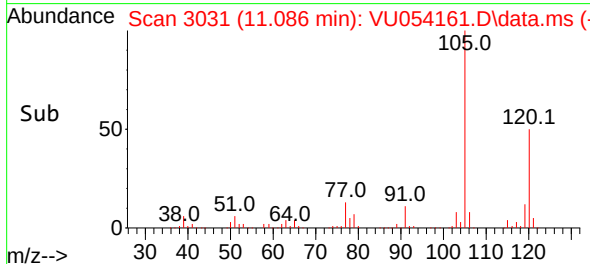
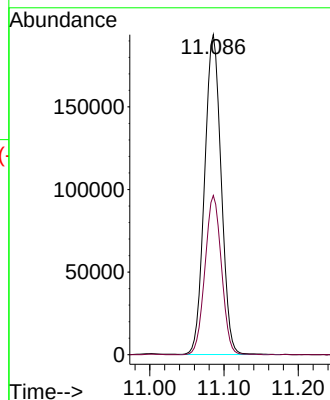
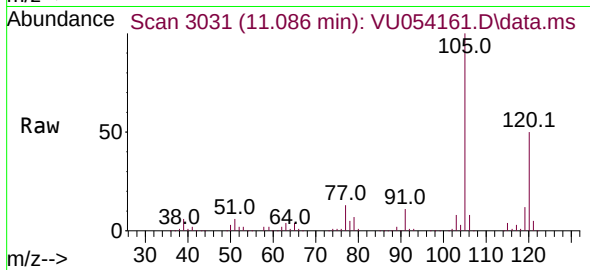




#62
1,3,5-Trimethylbenzene
Concen: 5.665 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

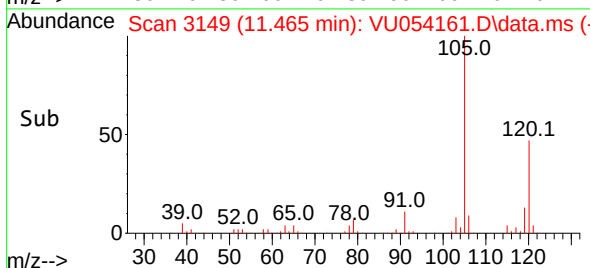
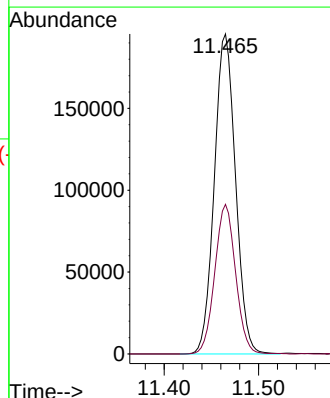
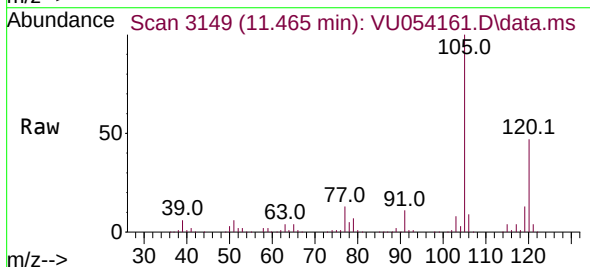
Instrument :
MSVOA_U
ClientSampleId :
VICV030

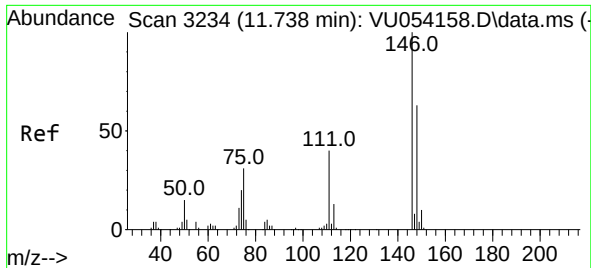
Tgt Ion:105 Resp: 299362
Ion Ratio Lower Upper
105 100
120 49.5 39.4 59.0



#63
1,2,4-Trimethylbenzene
Concen: 5.771 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion:105 Resp: 304373
Ion Ratio Lower Upper
105 100
120 46.0 36.9 55.3

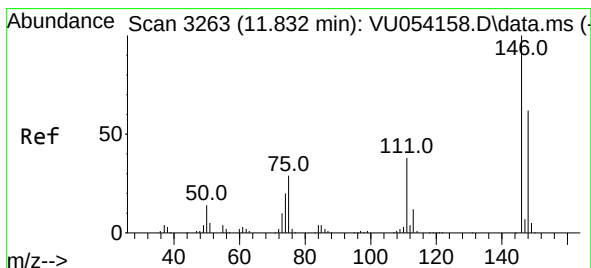
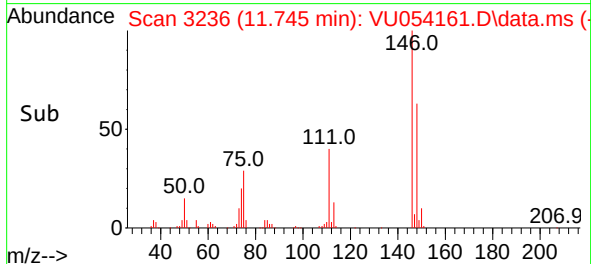
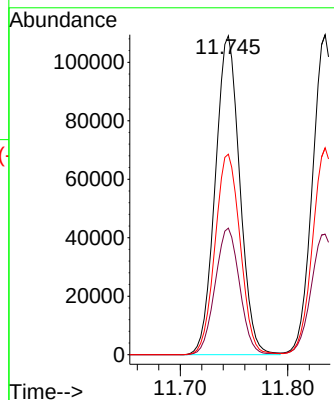
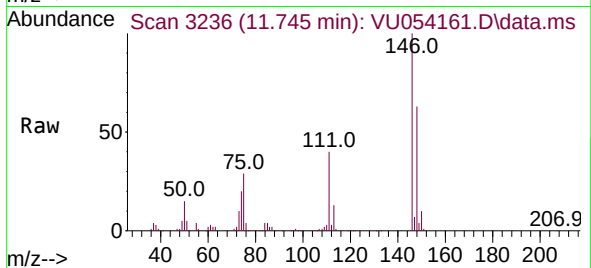




#64
1,3-Dichlorobenzene
Concen: 5.349 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

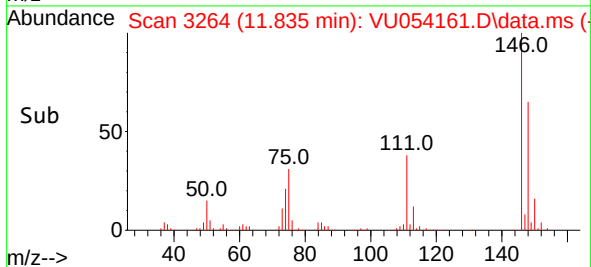
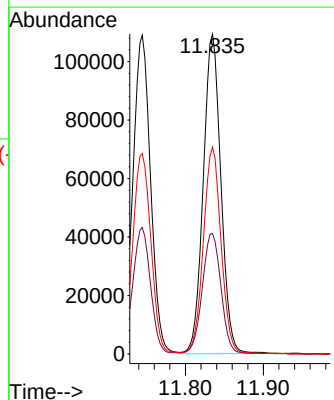
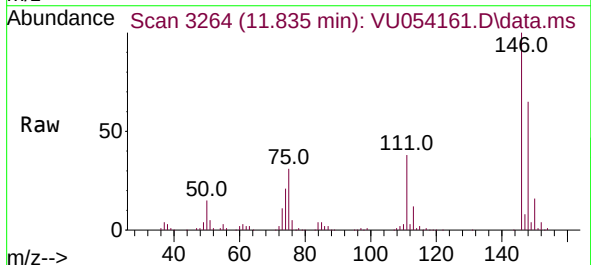
Instrument :
MSVOA_U
ClientSampleId :
VICV030

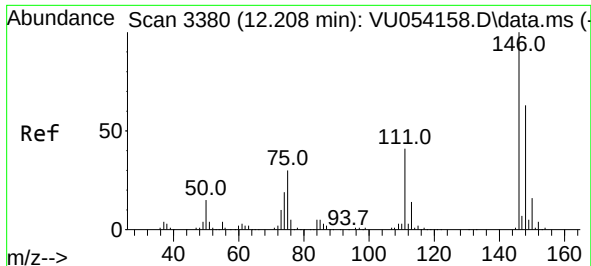
Tgt Ion:146 Resp: 172847
Ion Ratio Lower Upper
146 100
111 39.7 27.8 51.6
148 62.9 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.358 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU054161.D
Acq: 18 May 2023 11:50

Tgt Ion:146 Resp: 171989
Ion Ratio Lower Upper
146 100
111 37.6 26.6 49.4
148 64.6 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.234 ug/L

RT: 12.211 min Scan# 3380

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

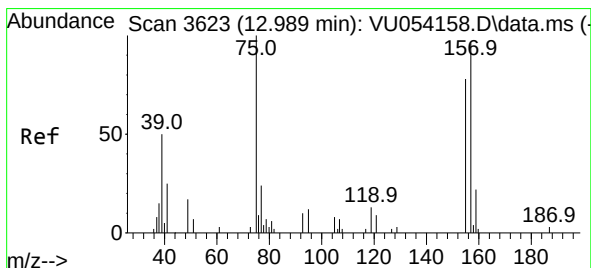
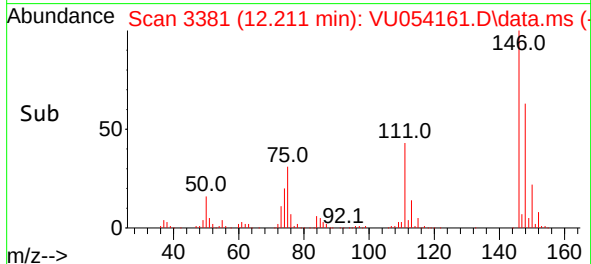
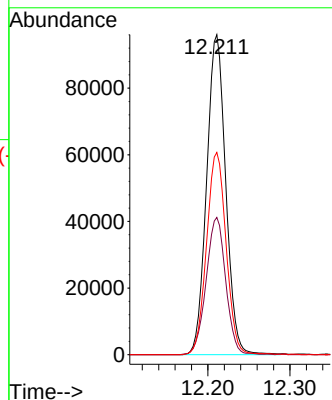
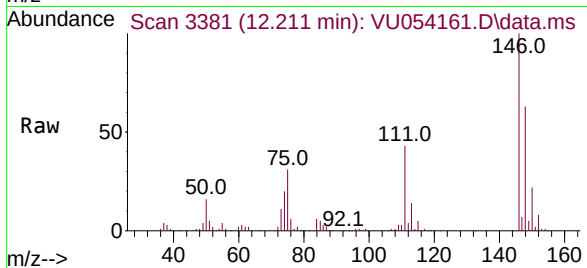
Tgt Ion:146 Resp: 155173

Ion Ratio Lower Upper

146 100

111 42.9 33.0 49.4

148 63.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.998 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

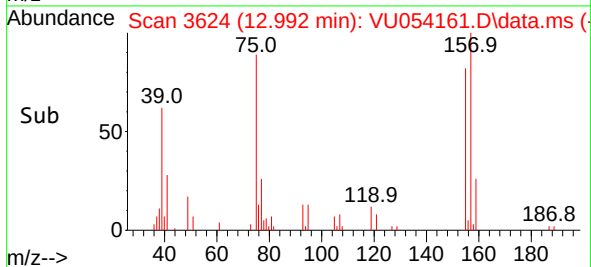
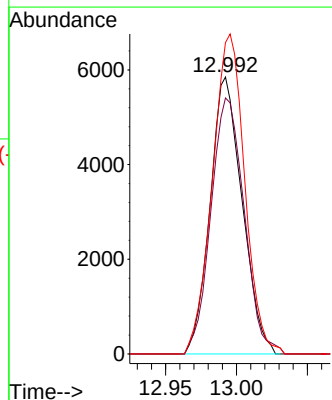
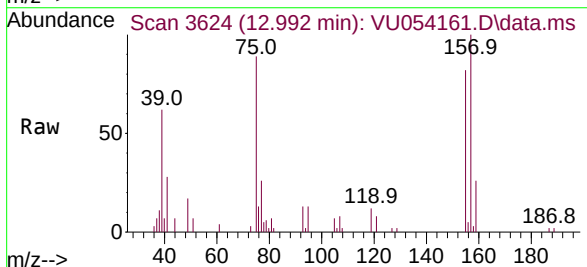
Tgt Ion: 75 Resp: 9191

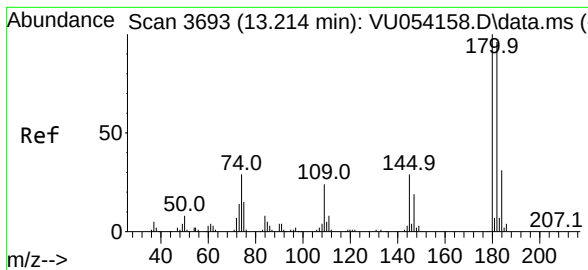
Ion Ratio Lower Upper

75 100

155 92.4 62.7 94.1

157 112.4 77.0 115.4





#69

1,3,5-Trichlorobenzene

Concen: 5.599 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

Tgt Ion:180 Resp: 134985

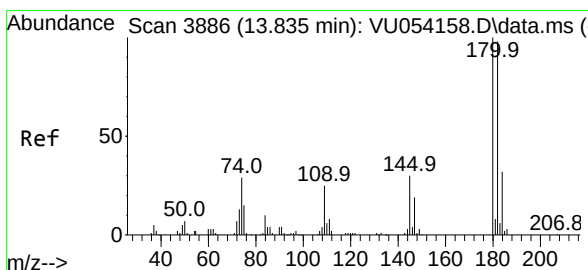
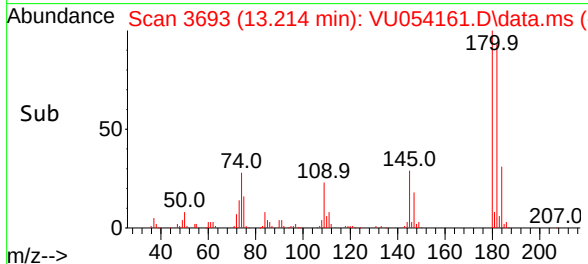
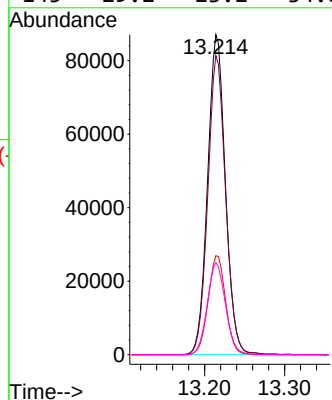
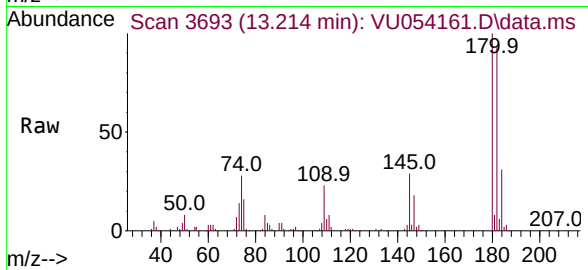
Ion Ratio Lower Upper

180 100

182 93.4 76.1 114.1

184 30.6 24.5 36.7

145 29.2 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.995 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

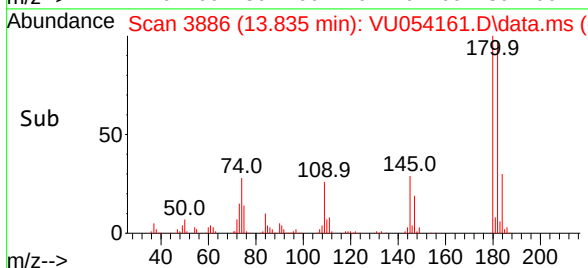
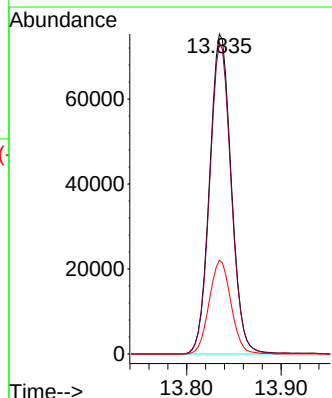
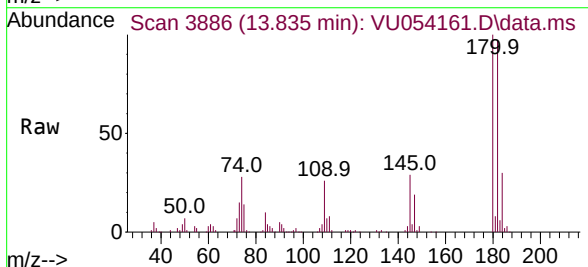
Tgt Ion:180 Resp: 119643

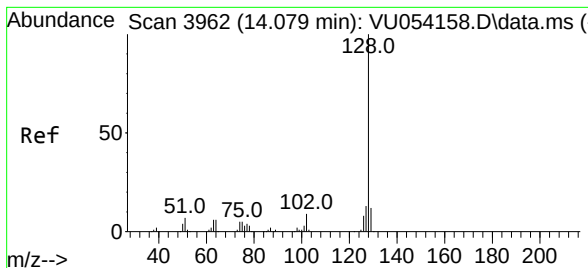
Ion Ratio Lower Upper

180 100

182 96.6 76.4 114.6

145 29.5 23.3 34.9





#71

Naphthalene

Concen: 7.086 ug/L

RT: 14.082 min Scan# 3962

Delta R.T. 0.003 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

VICV030

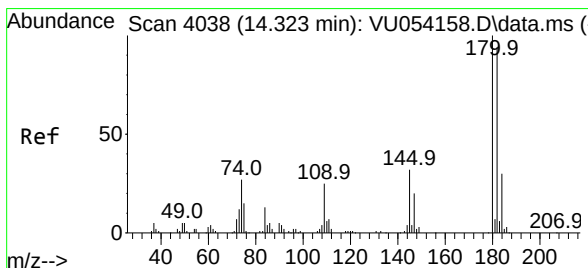
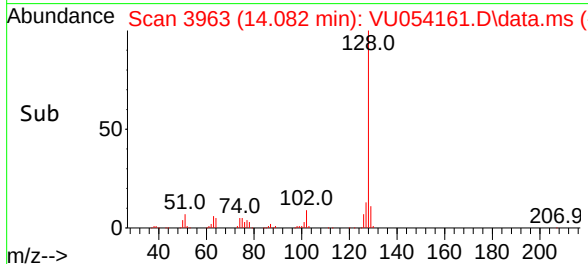
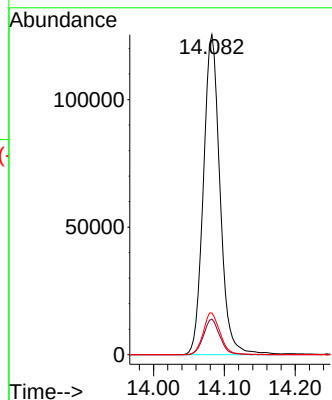
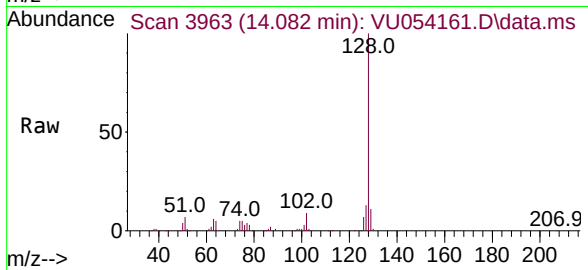
Tgt Ion:128 Resp: 204572

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 13.2 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 6.431 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU054161.D

Acq: 18 May 2023 11:50

Tgt Ion:180 Resp: 108640

Ion Ratio Lower Upper

180 100

182 97.5 76.4 114.6

145 31.5 25.1 37.7

