

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050523\
 Data File : VU054068.D
 Acq On : 05 May 2023 09:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

Quant Time: May 06 01:11:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 05 04:34:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	258839	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241210	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134890	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	76273	38.962	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.920%
7) Chloroethane-d5	1.912	69	53219	41.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.820%
11) 1,1-Dichloroethene-d2	2.565	63	149201	42.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.940%
21) 2-Butanone-d5	4.623	46	107360	96.157	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.160%
24) Chloroform-d	5.057	84	165657	46.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.140%
26) 1,2-Dichloroethane-d4	5.697	65	106985	46.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
32) Benzene-d6	5.722	84	314975	44.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
36) 1,2-Dichloropropane-d6	6.684	67	99373	44.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.660%
41) Toluene-d8	7.893	98	294291	45.911	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.820%
43) trans-1,3-Dichloroprop...	8.176	79	48028	43.299	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.600%
47) 2-Hexanone-d5	8.629	63	71878	89.533	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.530%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139657	47.303	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	122518	46.494	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	87651	46.935	ug/L	100
3) Chloromethane	1.520	50	76984	44.854	ug/L	96
5) Vinyl chloride	1.604	62	84545	46.313	ug/L	98
6) Bromomethane	1.858	94	44566	43.794	ug/L	96
8) Chloroethane	1.932	64	46882	47.128	ug/L	99
9) Trichlorofluoromethane	2.137	101	139883	48.288	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	82978	47.894	ug/L	99
12) 1,1-Dichloroethene	2.578	96	72047	47.986	ug/L	95
13) Acetone	2.633	43	71772	65.492	ug/L	99
14) Carbon disulfide	2.790	76	153184	45.968	ug/L	99
15) Methyl Acetate	2.948	43	80660	46.998	ug/L	98
16) Methylene chloride	3.044	84	89003	47.002	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	72350	47.125	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	265729	47.080	ug/L	98
19) 1,1-Dichloroethane	3.864	63	155225	47.090	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	88294	46.799	ug/L	98
22) 2-Butanone	4.703	43	108889	84.160	ug/L	98
23) Bromochloromethane	4.970	128	46678	47.722	ug/L	98
25) Chloroform	5.083	83	167594	48.180	ug/L	99

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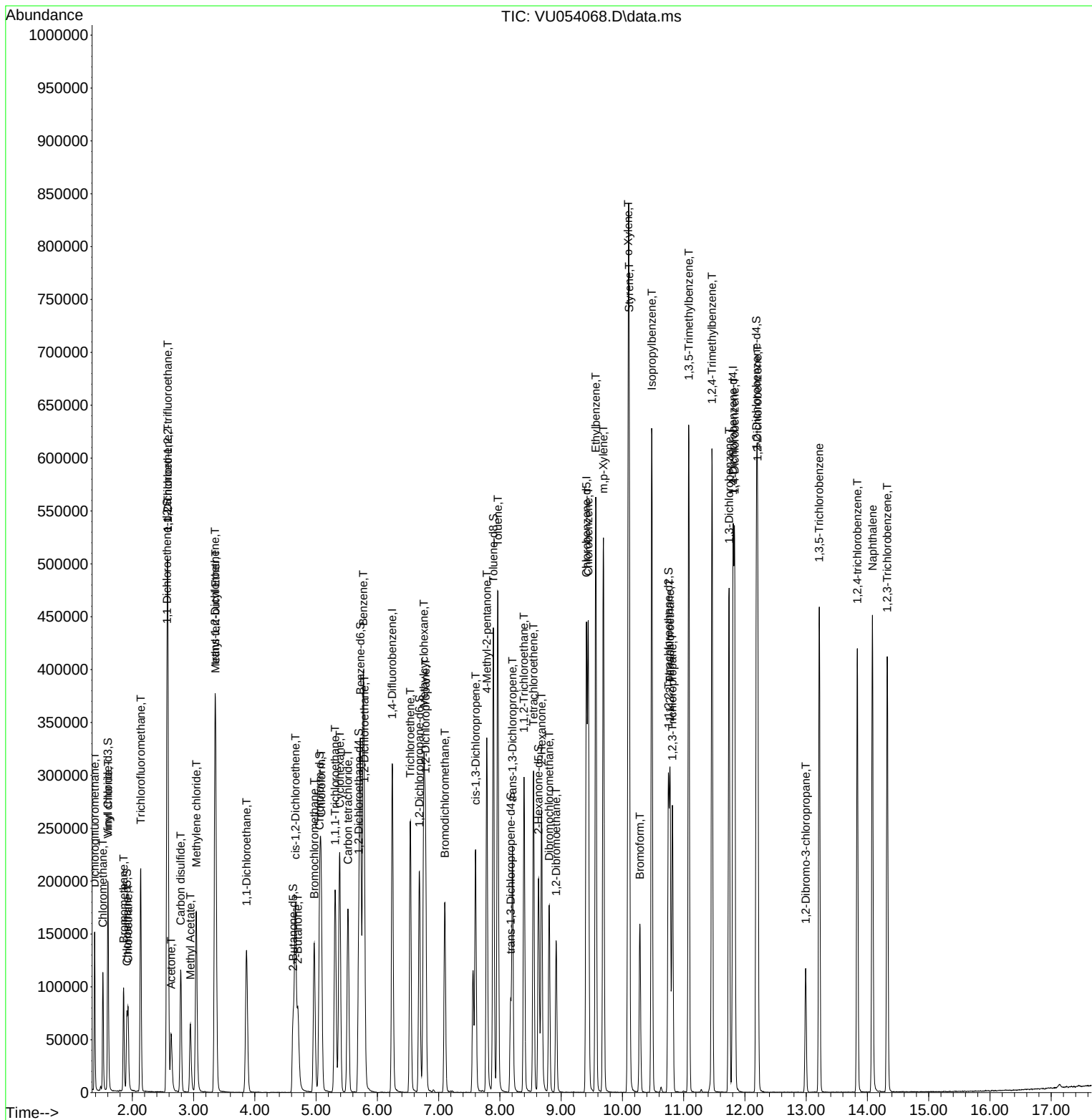
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
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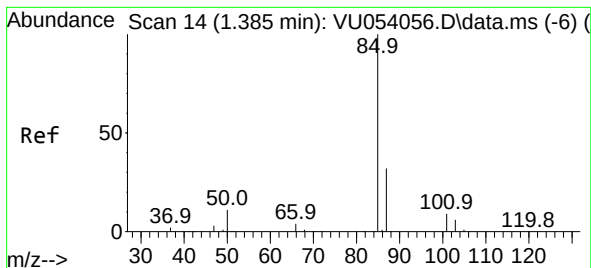
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	126897	47.428	ug/L	100
29) Cyclohexane	5.385	56	112831	45.261	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	144210	47.965	ug/L	99
31) Carbon tetrachloride	5.520	117	125317	48.857	ug/L	96
33) Benzene	5.771	78	327820	46.692	ug/L	100
34) Trichloroethene	6.536	95	89222	47.881	ug/L	97
35) Methylcyclohexane	6.761	83	118078	45.182	ug/L	99
37) 1,2-Dichloropropane	6.787	63	91489	46.059	ug/L	99
38) Bromodichloromethane	7.102	83	121371	48.500	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	139785	44.986	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	214977	92.871	ug/L	99
42) Toluene	7.967	91	351687	48.117	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	134260	45.465	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	93199	48.476	ug/L	95
46) Tetrachloroethene	8.549	164	69527	47.031	ug/L	99
48) 2-Hexanone	8.681	43	166048	90.515	ug/L	99
49) Dibromochloromethane	8.806	129	93339	49.268	ug/L	98
50) 1,2-Dibromoethane	8.918	107	95774	49.078	ug/L	100
51) Chlorobenzene	9.443	112	239447	48.980	ug/L	99
52) Ethylbenzene	9.565	91	400282	48.659	ug/L	99
53) m,p-Xylene	9.690	106	151596	49.076	ug/L	97
54) o-Xylene	10.095	106	148871	49.262	ug/L	98
55) Styrene	10.111	104	260129	50.185	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	144222	47.620	ug/L	99
59) Bromoform	10.285	173	72401	47.943	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	114871	45.847	ug/L	98
61) Isopropylbenzene	10.481	105	404947	47.558	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	335700	48.112	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	333305	48.464	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	200209	48.076	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	200820	47.349	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	199422	47.448	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	29349	45.915	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	147635	48.923	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	127191	46.492	ug/L	100
71) Naphthalene	14.082	128	358636	45.196	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	132138	48.555	ug/L	100

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

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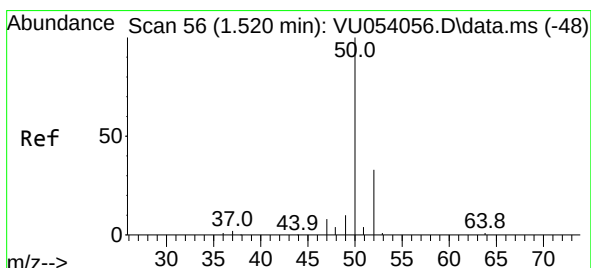
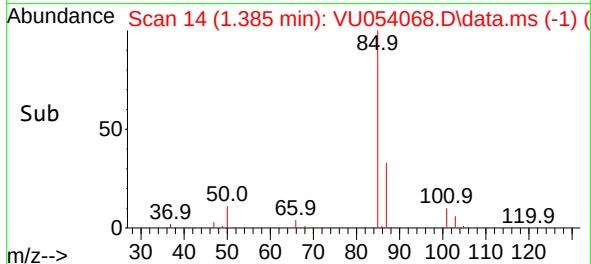
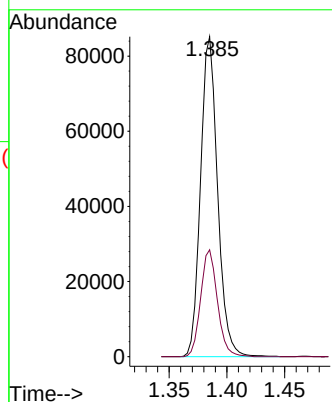
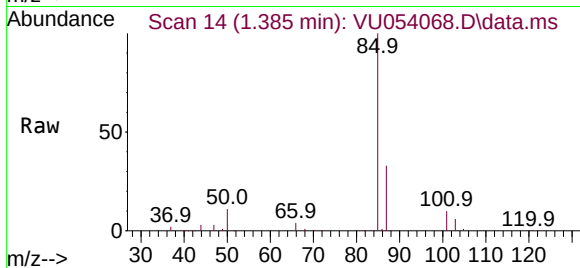




#2
Dichlorodifluoromethane
Concen: 46.935 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

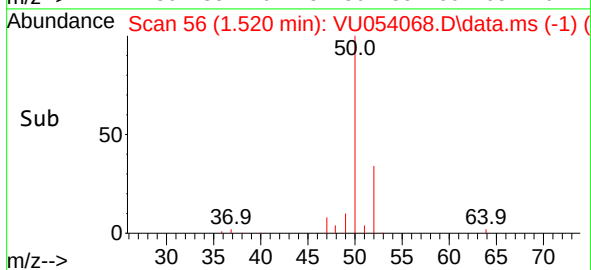
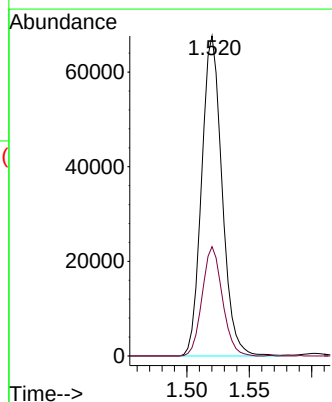
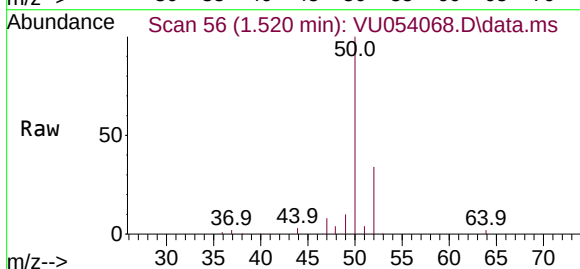
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

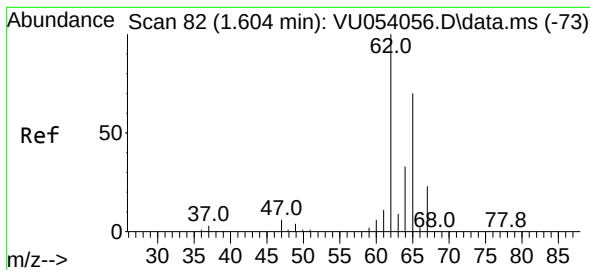
Tgt Ion: 85 Resp: 87651
Ion Ratio Lower Upper
85 100
87 32.7 26.0 39.0



#3
Chloromethane
Concen: 44.854 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 50 Resp: 76984
Ion Ratio Lower Upper
50 100
52 34.1 22.4 41.6





#5

Vinyl chloride

Concen: 46.313 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

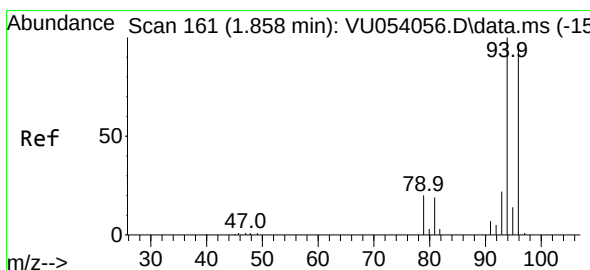
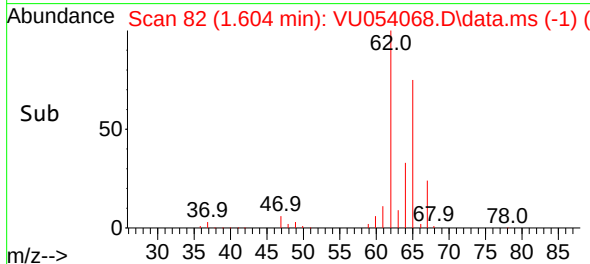
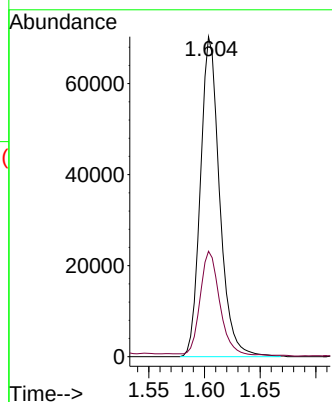
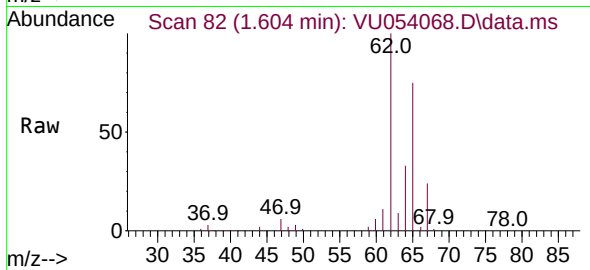
VSTD050091

Tgt Ion: 62 Resp: 84545

Ion Ratio Lower Upper

62 100

64 33.0 24.1 44.7



#6

Bromomethane

Concen: 43.794 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU054068.D

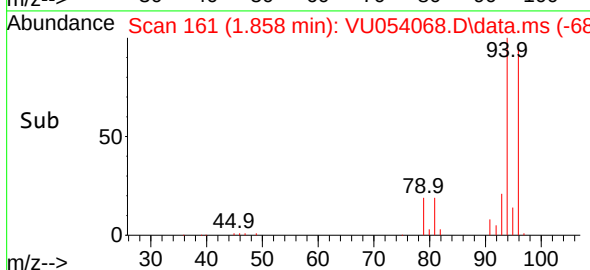
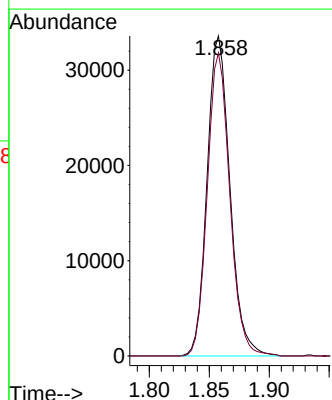
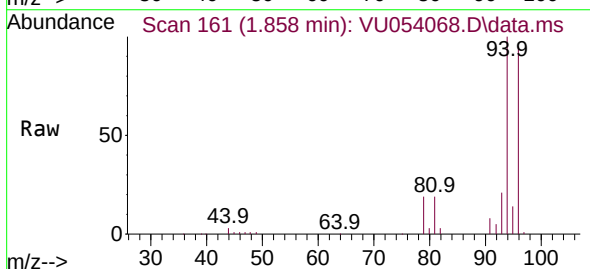
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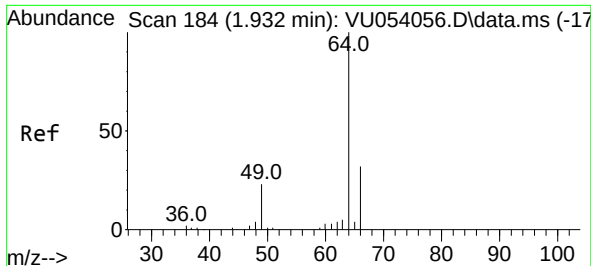
Tgt Ion: 94 Resp: 44566

Ion Ratio Lower Upper

94 100

96 94.7 63.9 118.7

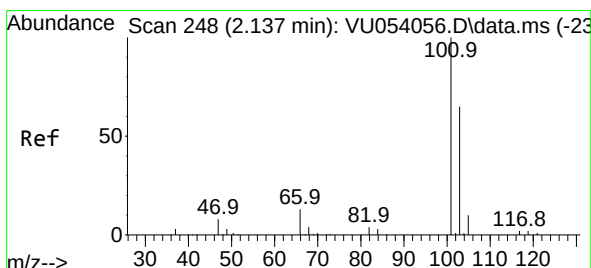
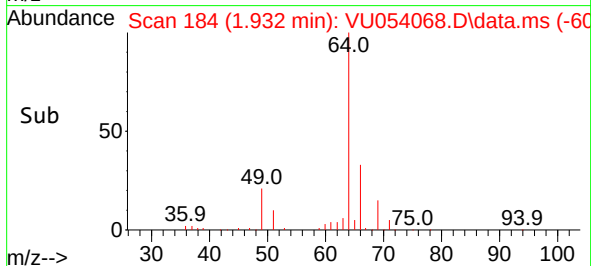
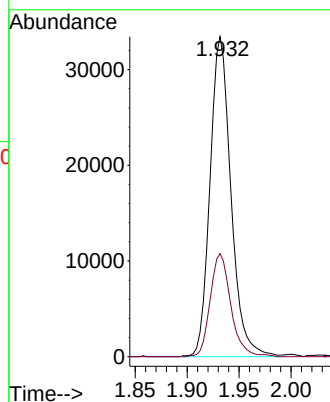
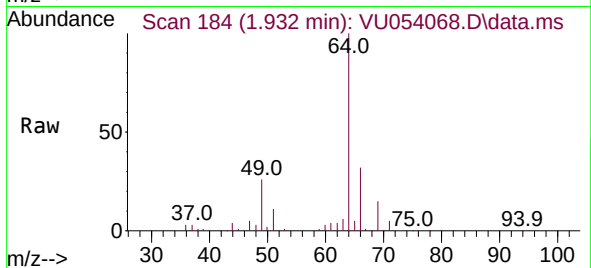




#8
Chloroethane
Concen: 47.128 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

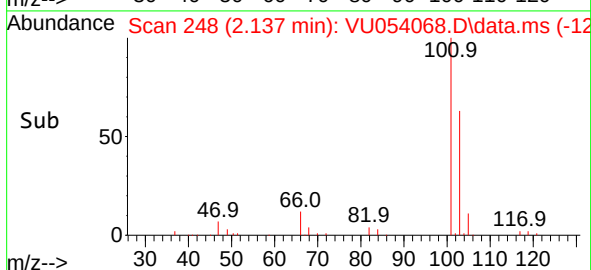
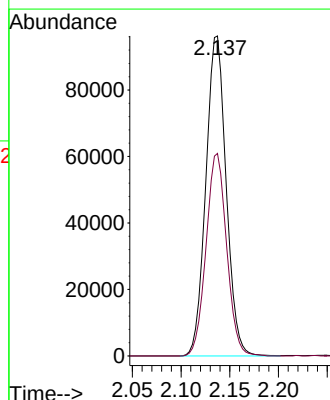
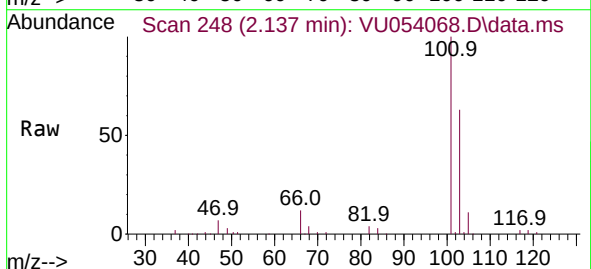
Instrument :
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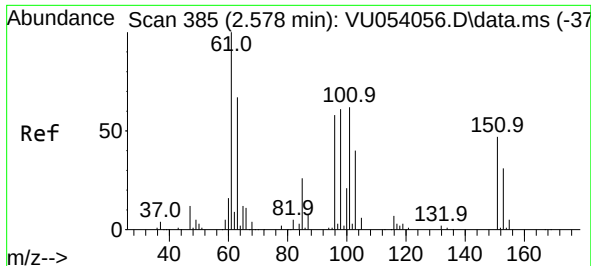
Tgt Ion: 64 Resp: 46882
Ion Ratio Lower Upper
64 100
66 32.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.288 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion:101 Resp: 139883
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.4





#10

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

Concen: 47.894 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

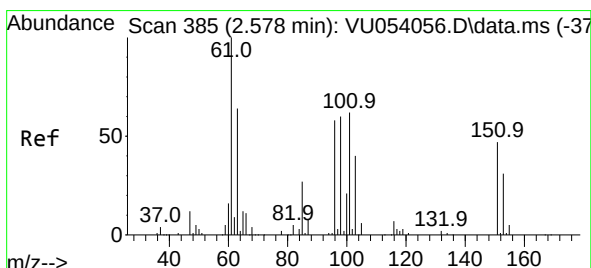
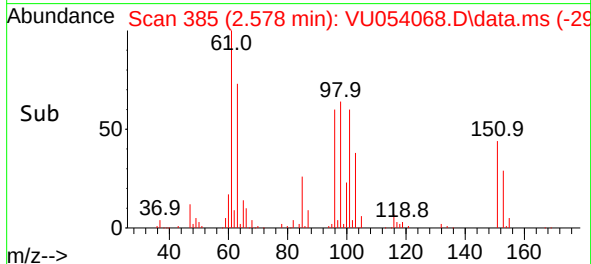
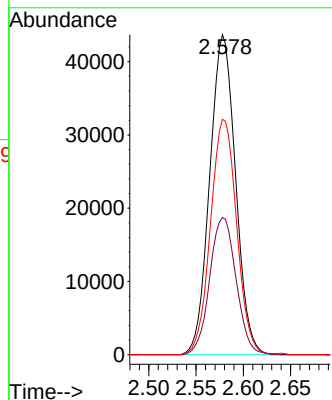
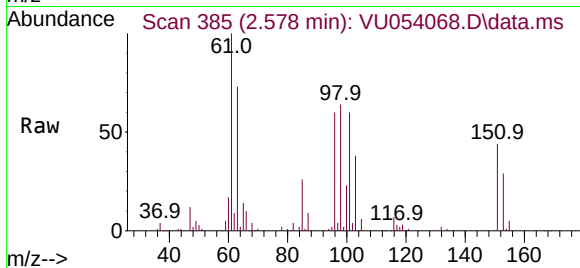
Tgt Ion:101 Resp: 82978

Ion Ratio Lower Upper

101 100

85 43.7 34.3 51.5

151 74.5 60.3 90.5



#12

1,1-Dichloroethene

Concen: 47.986 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

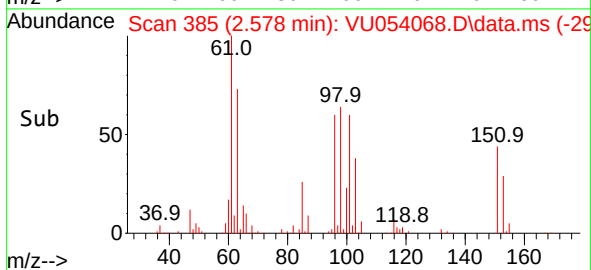
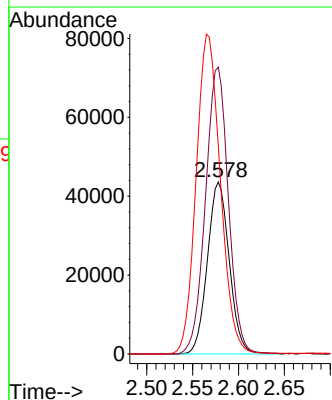
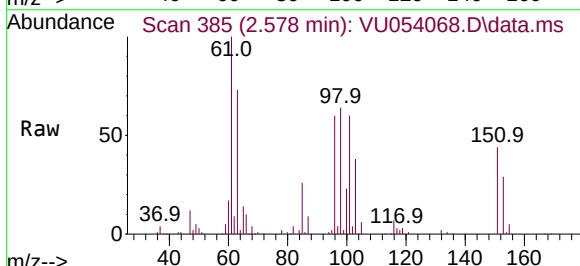
Tgt Ion: 96 Resp: 72047

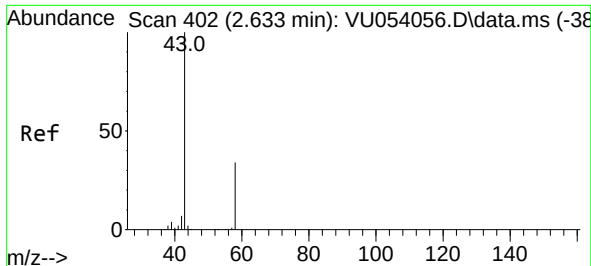
Ion Ratio Lower Upper

96 100

61 166.8 118.3 219.7

63 121.3 92.3 171.5





#13

Acetone

Concen: 65.492 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

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ClientSampleId :

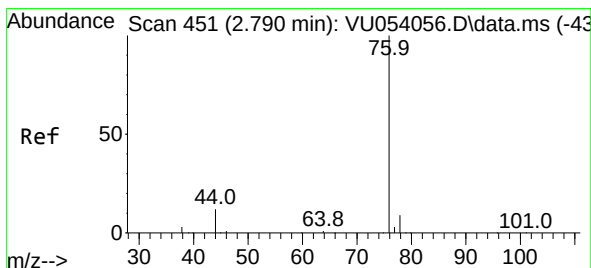
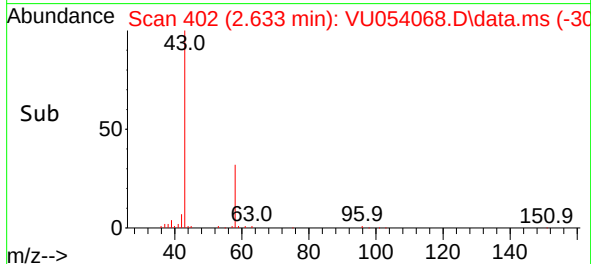
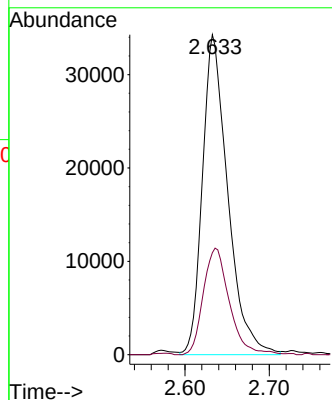
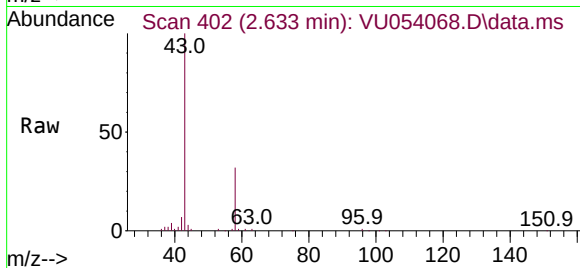
VSTD050091

Tgt Ion: 43 Resp: 71772

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.4



#14

Carbon disulfide

Concen: 45.968 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054068.D

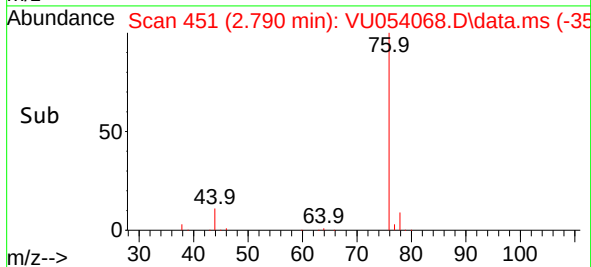
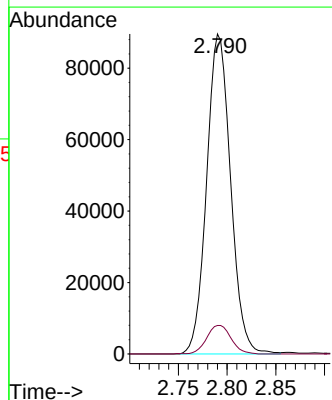
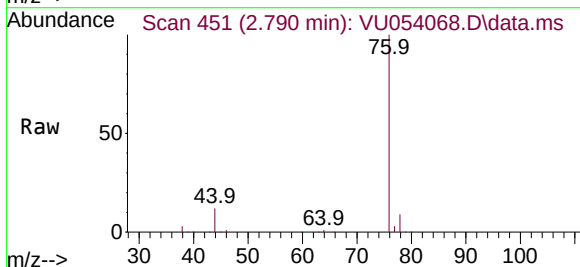
Acq: 05 May 2023 09:38

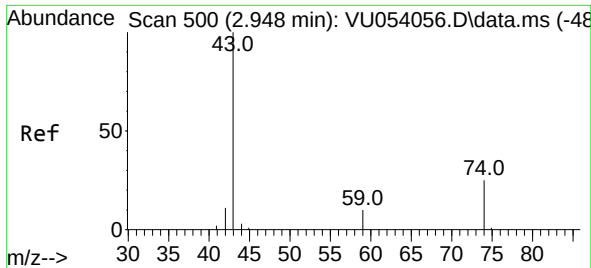
Tgt Ion: 76 Resp: 153184

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

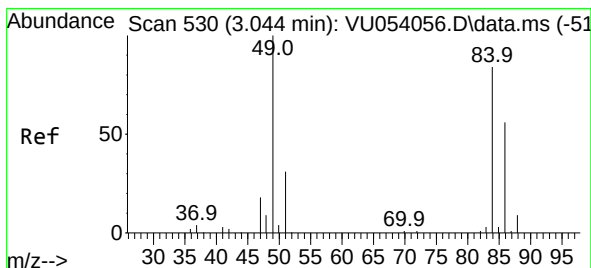
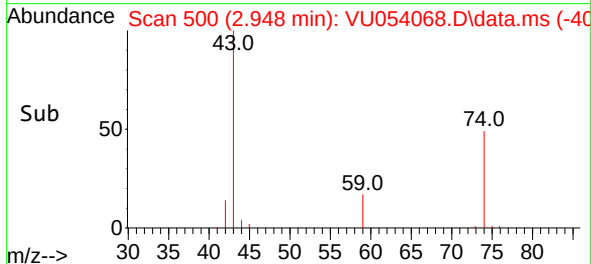
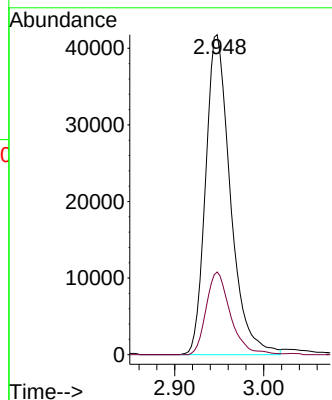
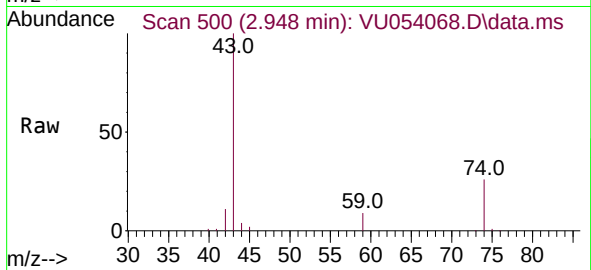




#15
Methyl Acetate
Concen: 46.998 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

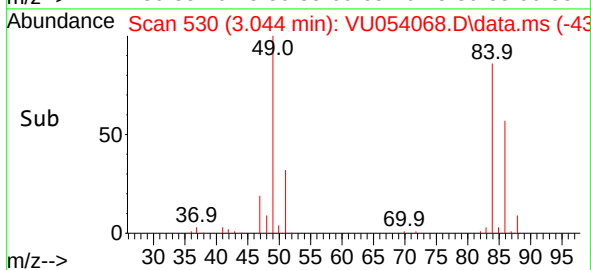
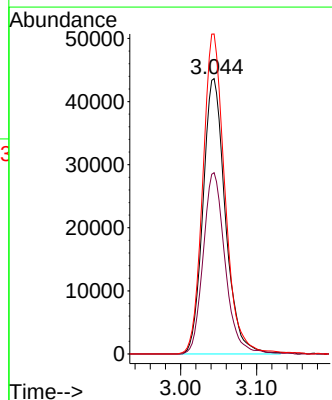
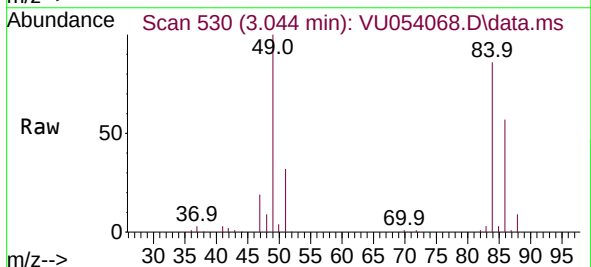
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

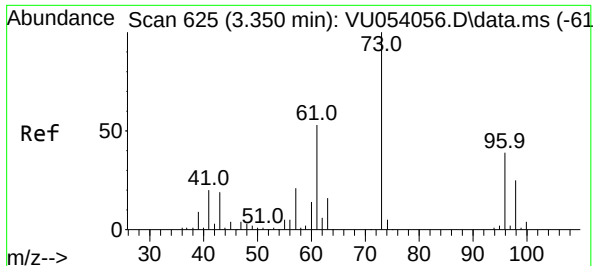
Tgt Ion: 43 Resp: 80660
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8



#16
Methylene chloride
Concen: 47.002 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 84 Resp: 89003
Ion Ratio Lower Upper
84 100
86 65.8 45.8 85.2
49 116.2 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 47.125 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

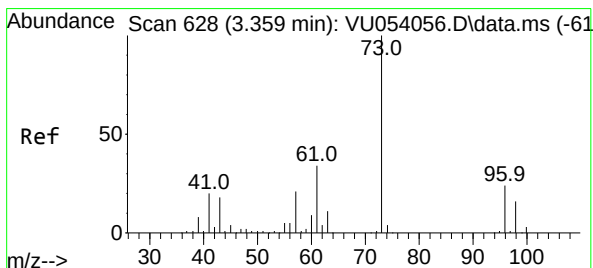
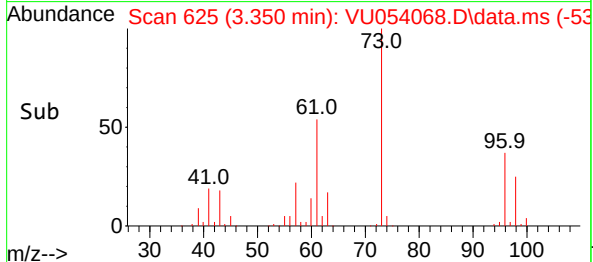
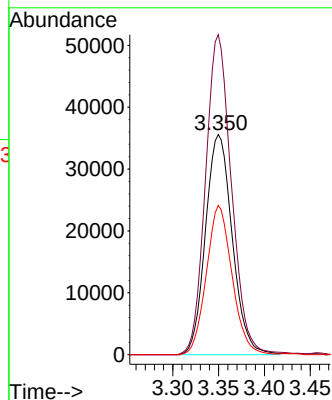
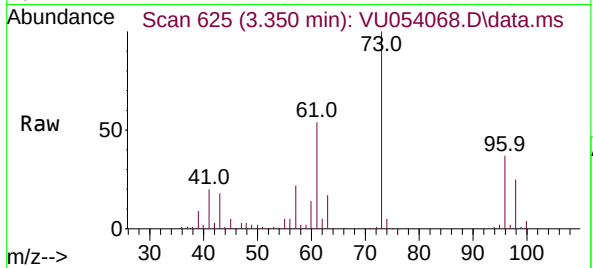
Tgt Ion: 96 Resp: 72350

Ion Ratio Lower Upper

96 100

61 145.3 97.5 181.1

98 67.8 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 47.080 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

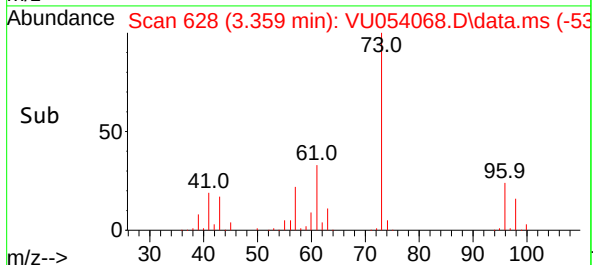
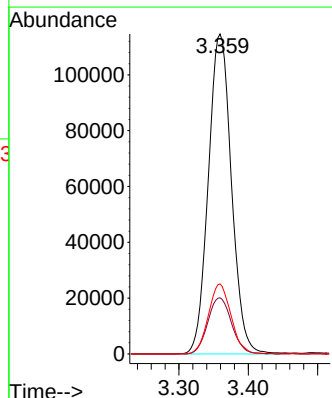
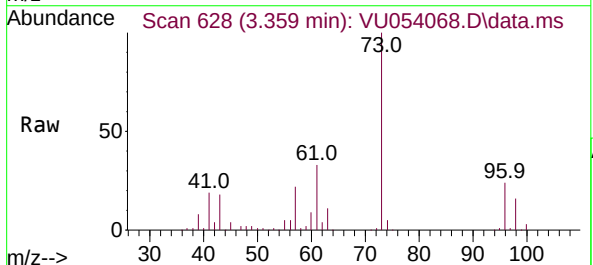
Tgt Ion: 73 Resp: 265729

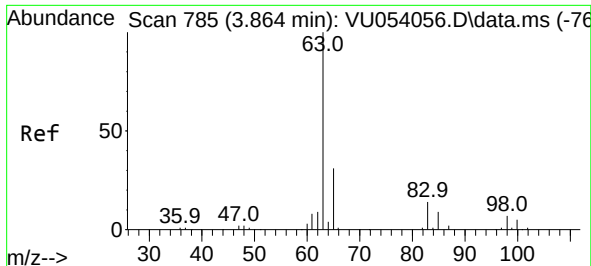
Ion Ratio Lower Upper

73 100

43 18.1 15.4 23.0

57 21.4 18.0 27.0





#19

1,1-Dichloroethane

Concen: 47.090 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

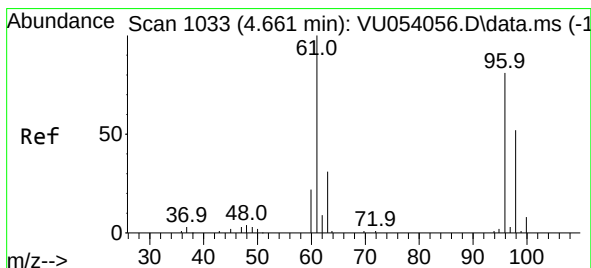
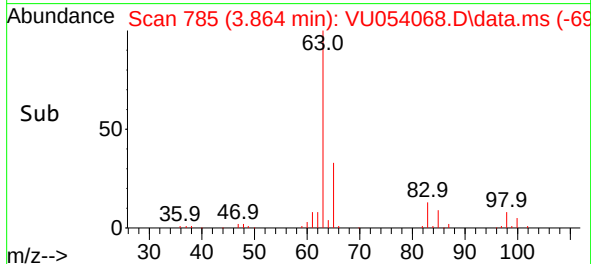
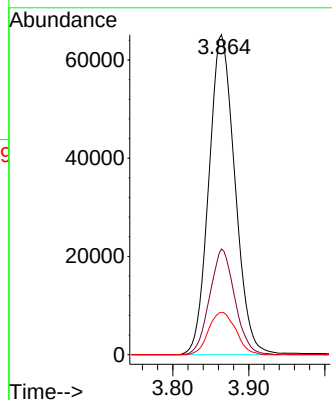
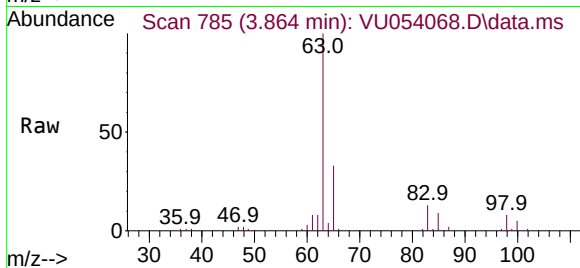
Tgt Ion: 63 Resp: 155225

Ion Ratio Lower Upper

63 100

65 33.1 22.0 40.8

83 13.3 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 46.799 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

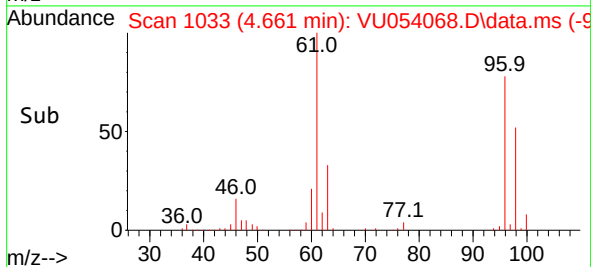
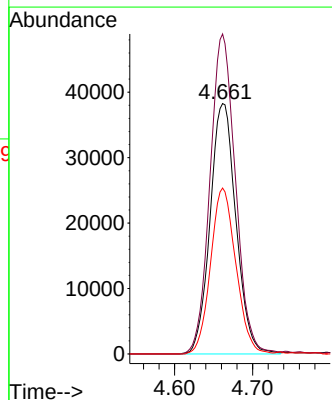
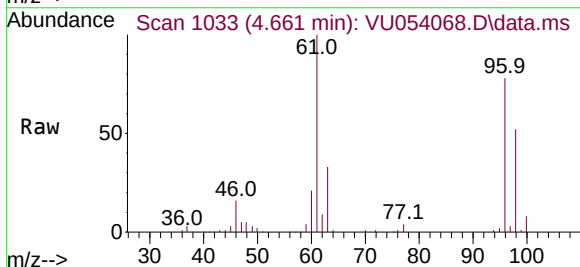
Tgt Ion: 96 Resp: 88294

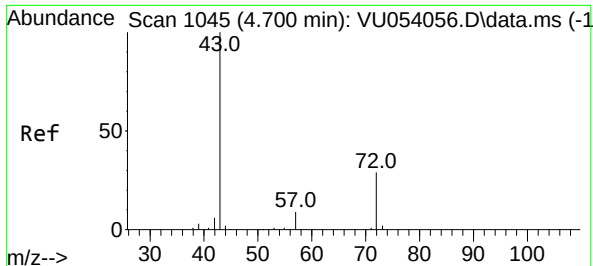
Ion Ratio Lower Upper

96 100

61 127.8 90.9 168.9

98 66.3 45.7 84.9





#22

2-Butanone

Concen: 84.160 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

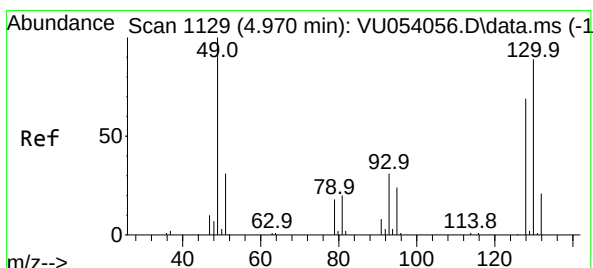
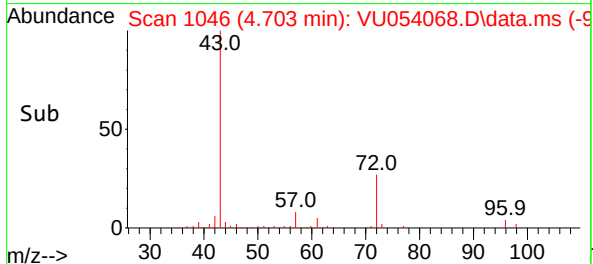
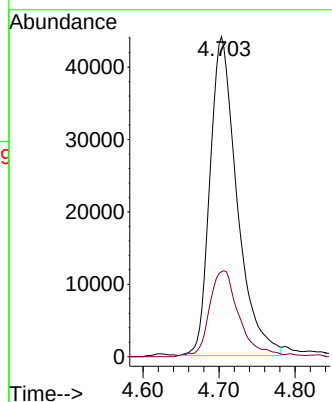
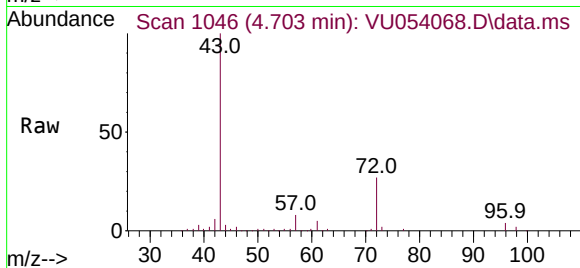
VSTD050091

Tgt Ion: 43 Resp: 108889

Ion Ratio Lower Upper

43 100

72 29.1 14.0 41.9



#23

Bromochloromethane

Concen: 47.722 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Tgt Ion:128 Resp: 46678

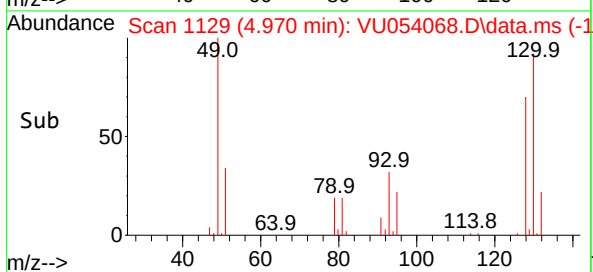
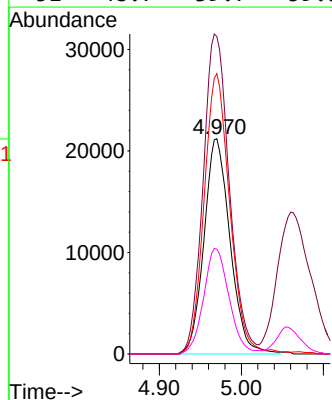
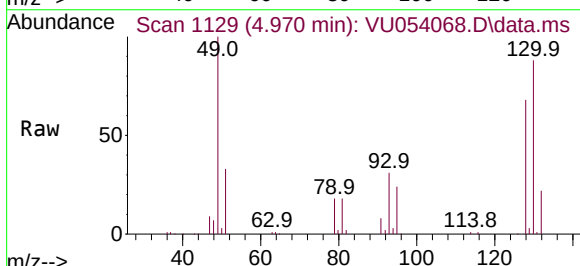
Ion Ratio Lower Upper

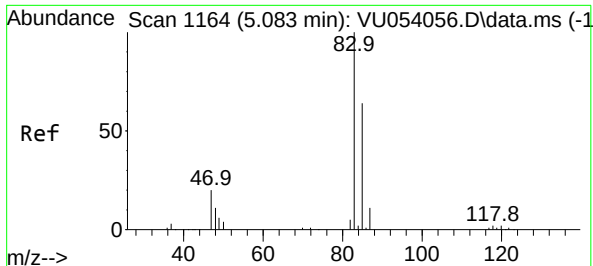
128 100

49 147.5 107.5 199.7

130 130.3 91.0 169.0

51 48.7 39.7 59.5

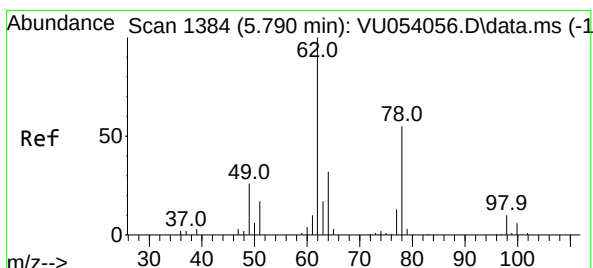
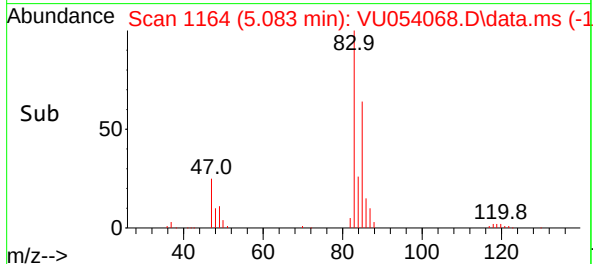
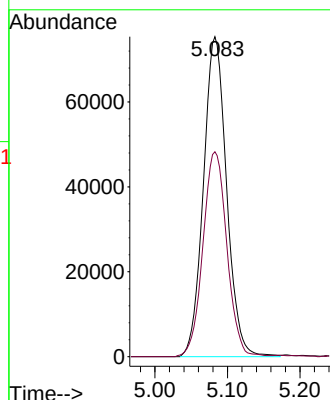
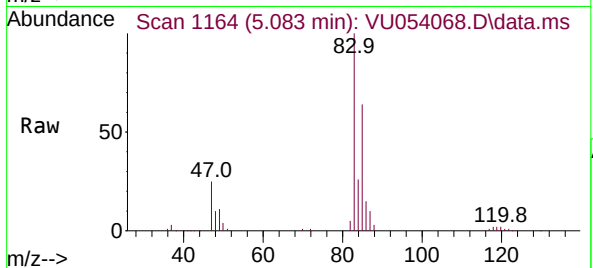




#25
Chloroform
Concen: 48.180 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

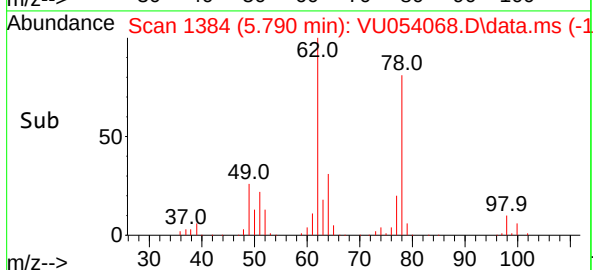
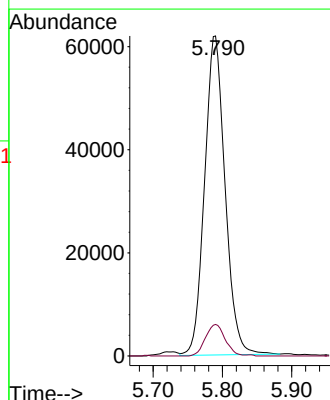
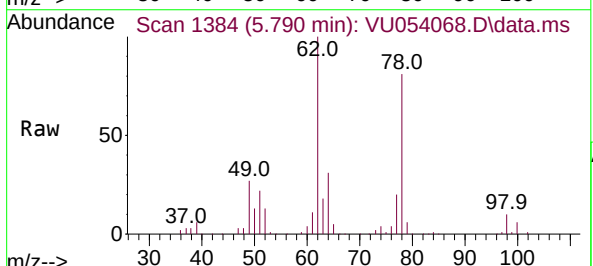
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

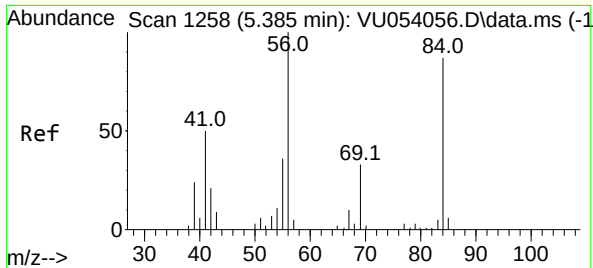
Tgt Ion: 83 Resp: 167594
Ion Ratio Lower Upper
83 100
85 64.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 47.428 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 62 Resp: 126897
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0





#29

Cyclohexane

Concen: 45.261 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

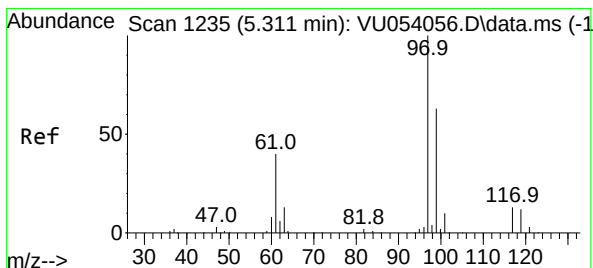
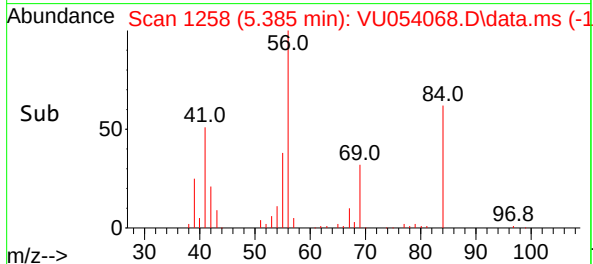
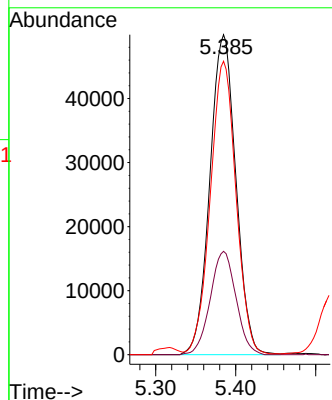
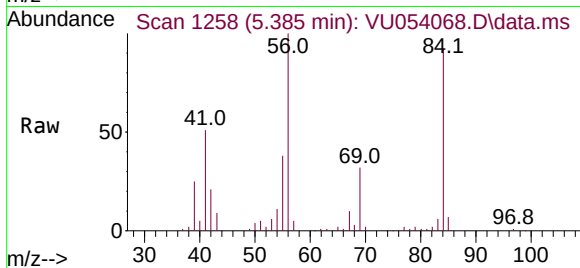
Tgt Ion: 56 Resp: 112831

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.6

84 90.9 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 47.965 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

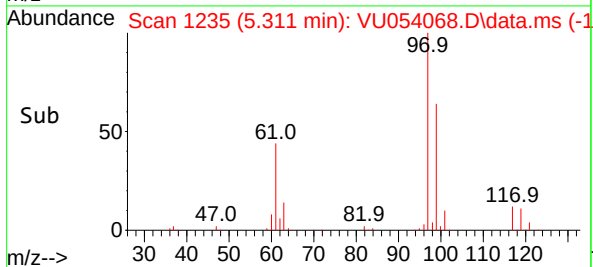
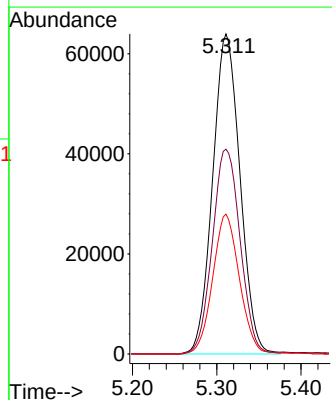
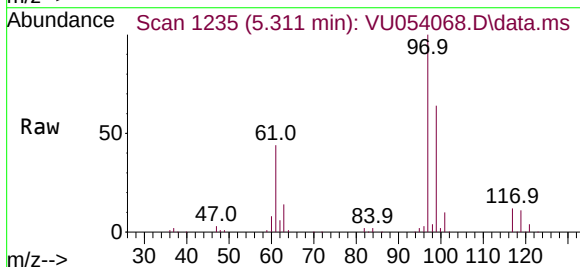
Tgt Ion: 97 Resp: 144210

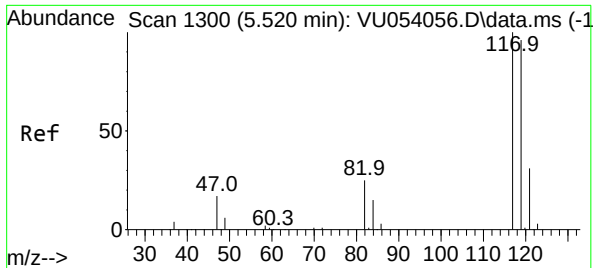
Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 42.5 34.2 51.4

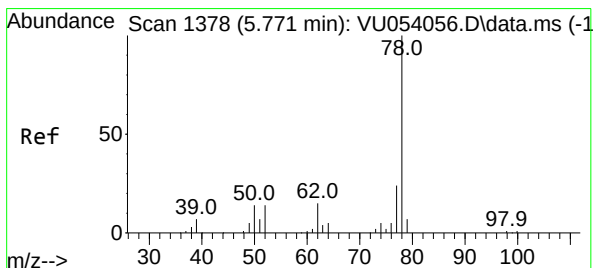
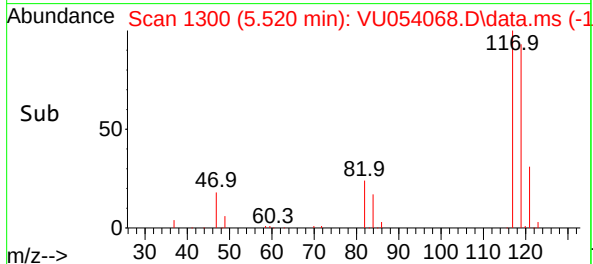
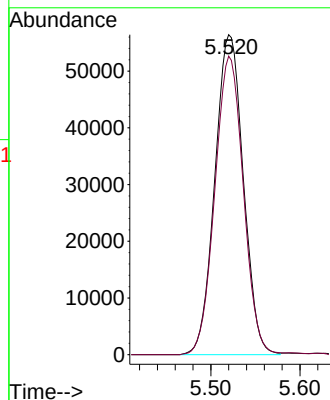
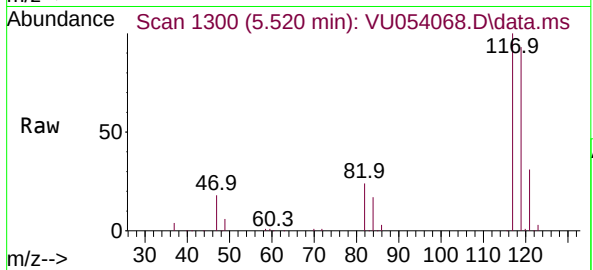




#31
Carbon tetrachloride
Concen: 48.857 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

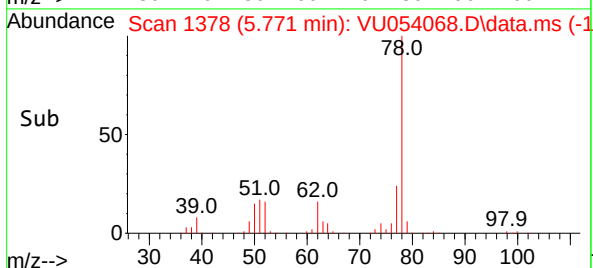
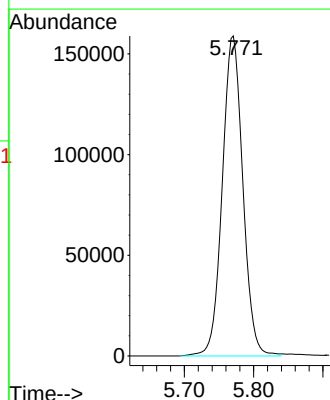
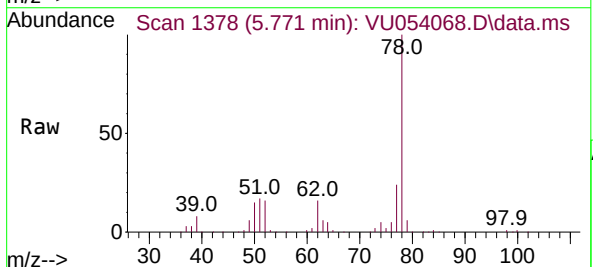
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

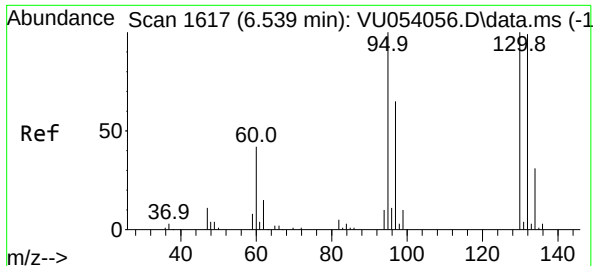
Tgt Ion:117 Resp: 125317
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.6



#33
Benzene
Concen: 46.692 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 78 Resp: 327820





#34

Trichloroethene

Concen: 47.881 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

Tgt Ion: 95 Resp: 89222

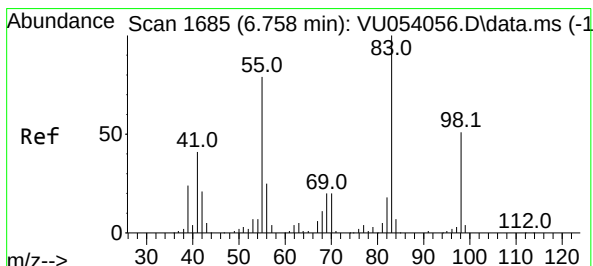
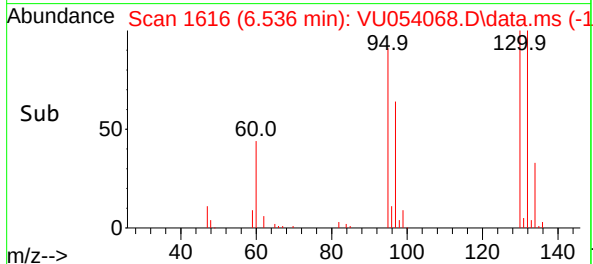
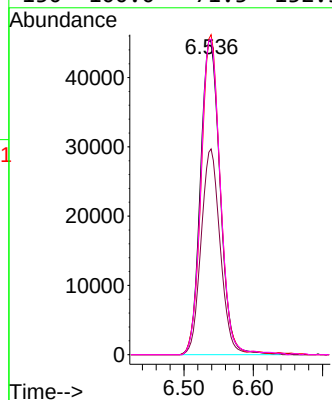
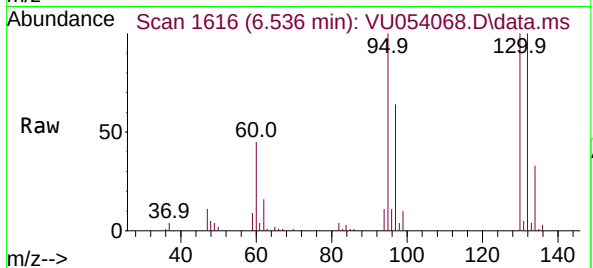
Ion Ratio Lower Upper

95 100

97 64.4 46.5 86.3

132 100.5 67.8 126.0

130 100.0 71.3 132.3



#35

Methylcyclohexane

Concen: 45.182 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

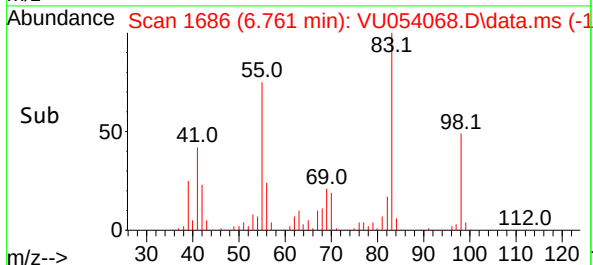
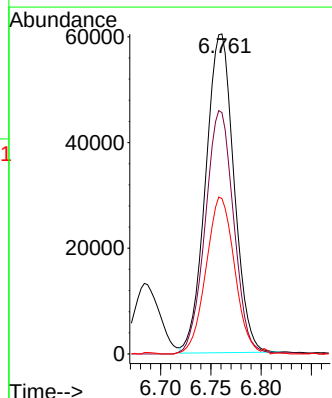
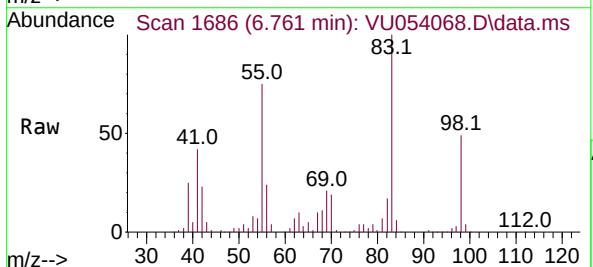
Tgt Ion: 83 Resp: 118078

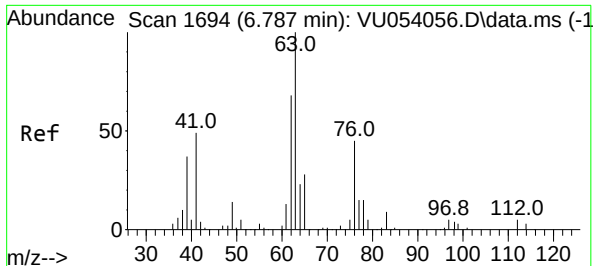
Ion Ratio Lower Upper

83 100

55 76.6 61.8 92.6

98 49.5 38.4 57.6





#37

1,2-Dichloropropane

Concen: 46.059 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

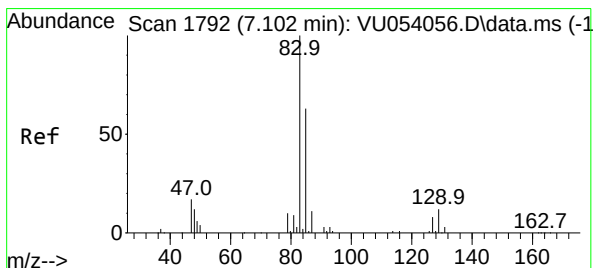
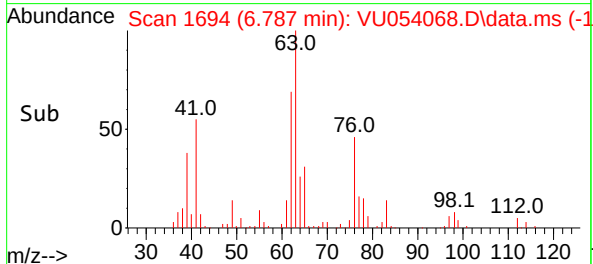
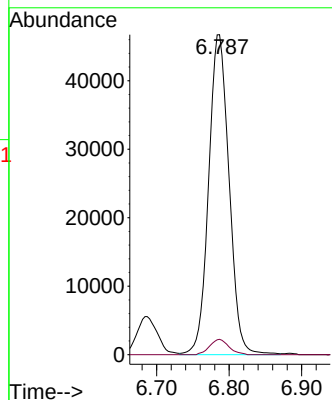
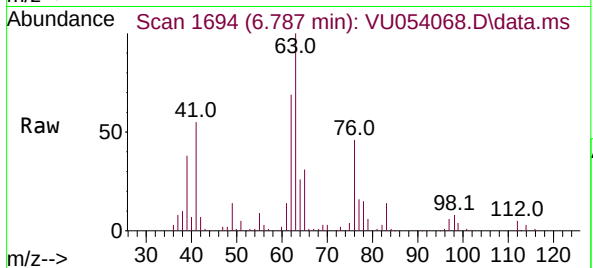
VSTD050091

Tgt Ion: 63 Resp: 91489

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.0



#38

Bromodichloromethane

Concen: 48.500 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

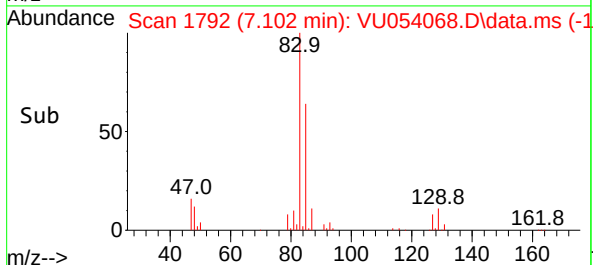
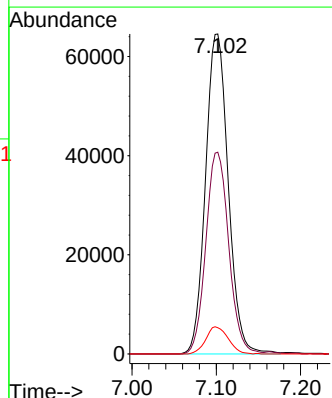
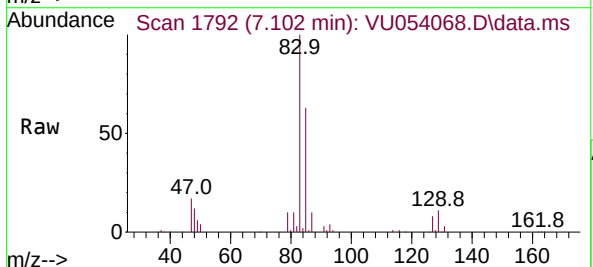
Tgt Ion: 83 Resp: 121371

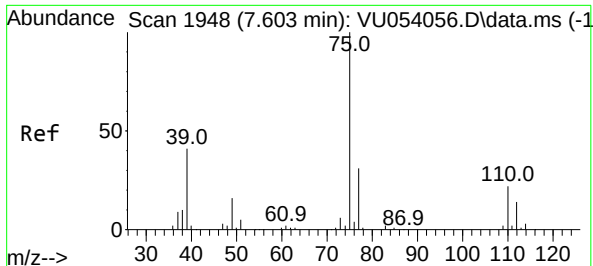
Ion Ratio Lower Upper

83 100

85 63.1 45.0 83.6

127 8.2 7.1 10.7

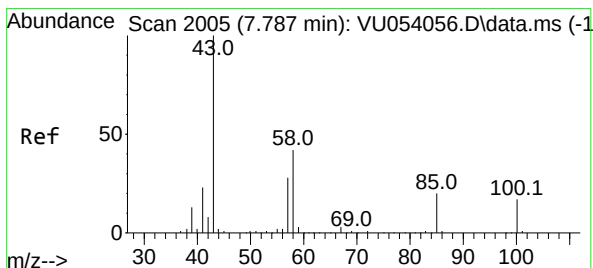
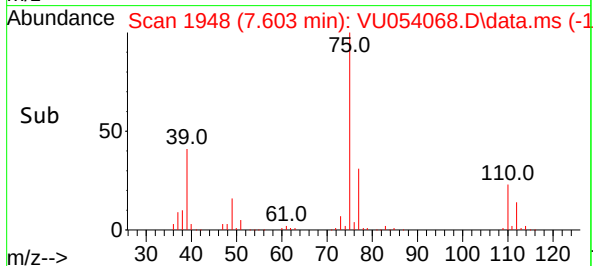
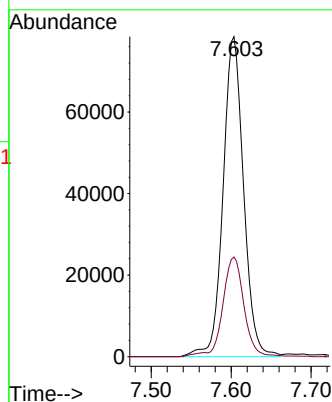
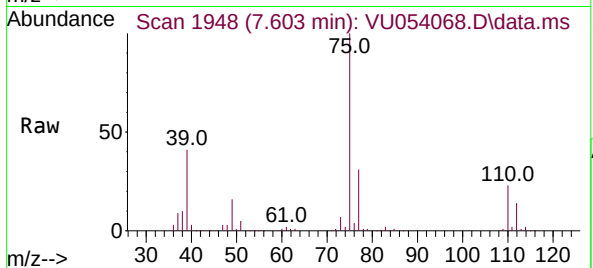




#39
 cis-1,3-Dichloropropene
 Concen: 44.986 ug/L
 RT: 7.603 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VU054068.D
 Acq: 05 May 2023 09:38

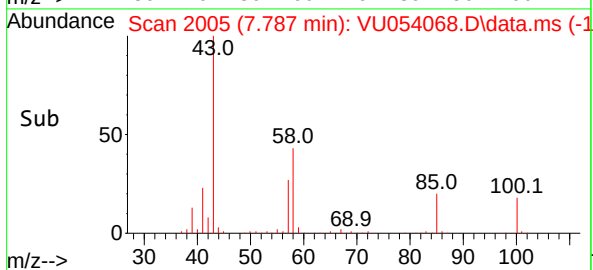
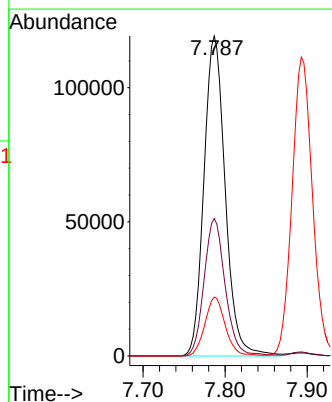
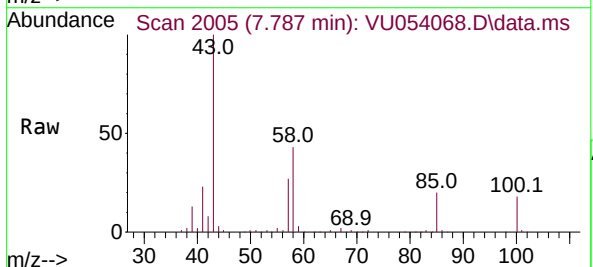
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

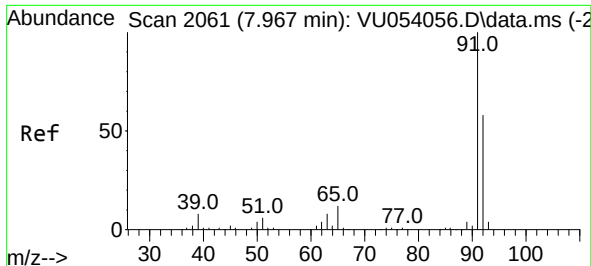
Tgt Ion: 75 Resp: 139785
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 92.871 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VU054068.D
 Acq: 05 May 2023 09:38

Tgt Ion: 43 Resp: 214977
 Ion Ratio Lower Upper
 43 100
 58 42.6 34.5 51.7
 100 17.7 13.8 20.6





#42

Toluene

Concen: 48.117 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

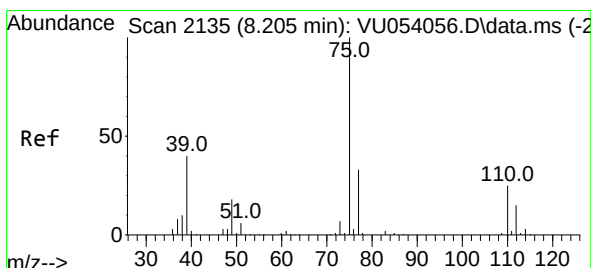
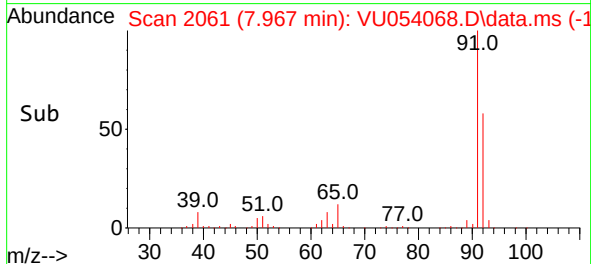
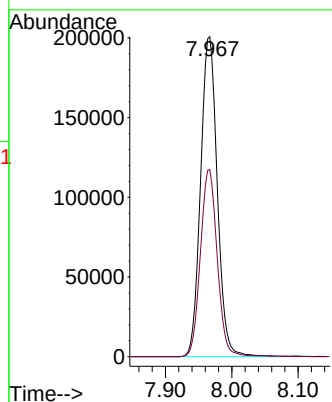
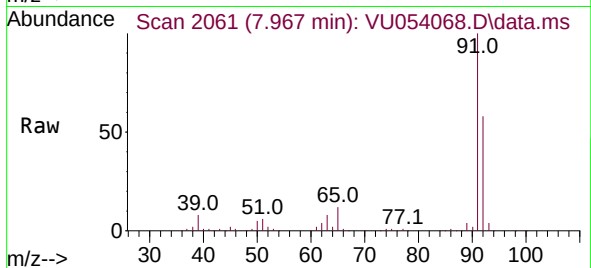
VSTD050091

Tgt Ion: 91 Resp: 351687

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 45.465 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054068.D

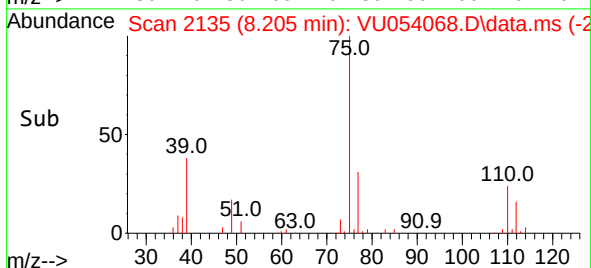
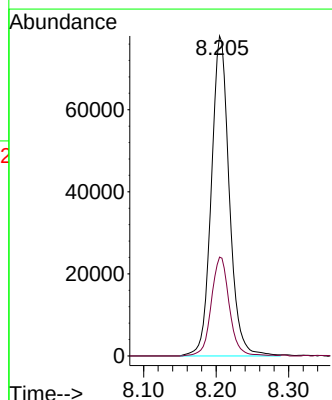
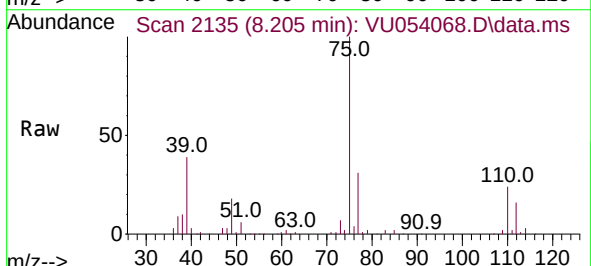
Acq: 05 May 2023 09:38

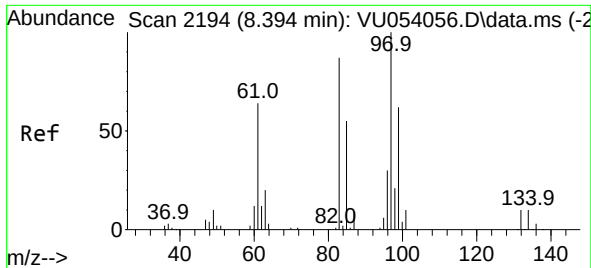
Tgt Ion: 75 Resp: 134260

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7

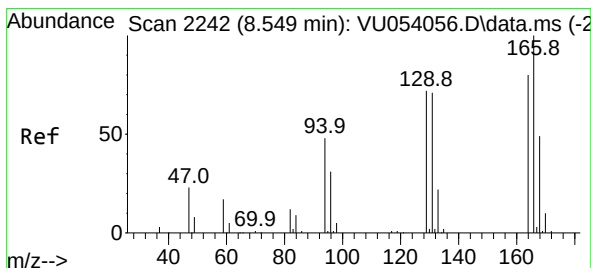
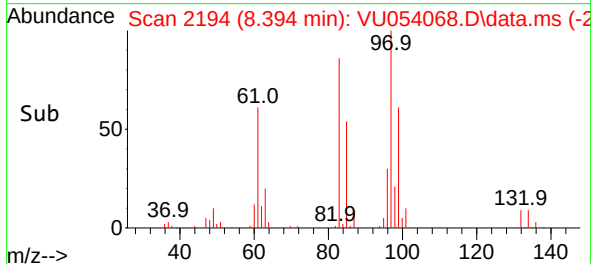
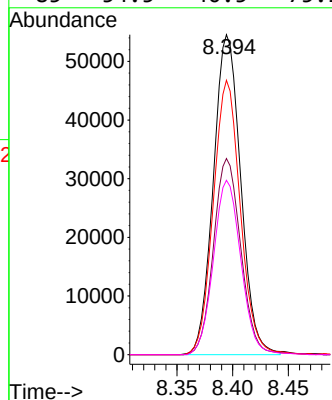
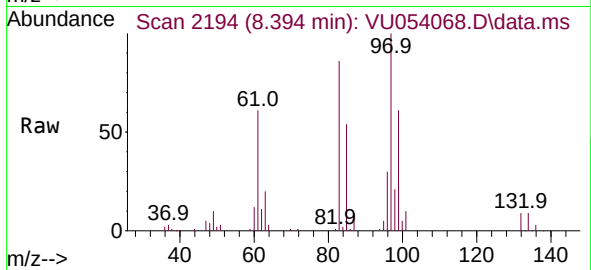




#45
1,1,2-Trichloroethane
Concen: 48.476 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

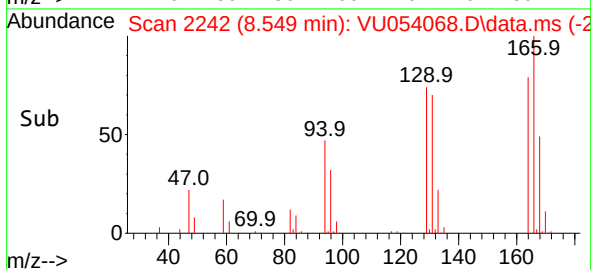
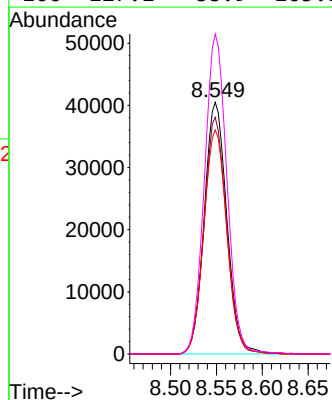
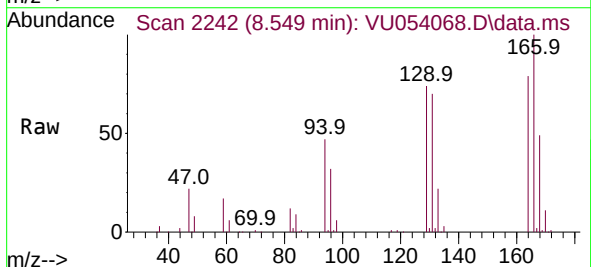
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

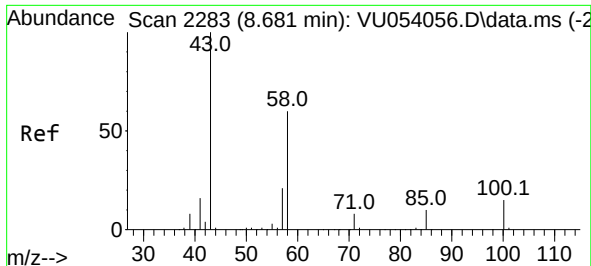
Tgt Ion:	97	Resp:	93199
Ion	Ratio	Lower	Upper
97	100		
99	61.3	46.2	85.8
83	85.7	62.7	116.5
85	54.5	40.5	75.1



#46
Tetrachloroethene
Concen: 47.031 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion:	164	Resp:	69527
Ion	Ratio	Lower	Upper
164	100		
129	94.0	65.6	121.8
131	89.0	63.8	118.4
166	127.1	88.9	165.1



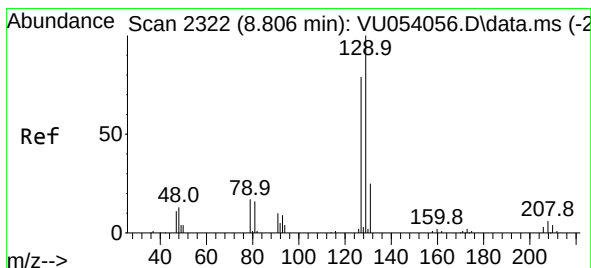
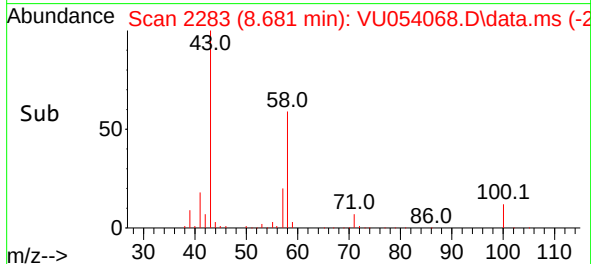
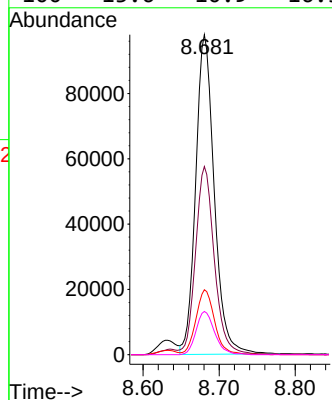
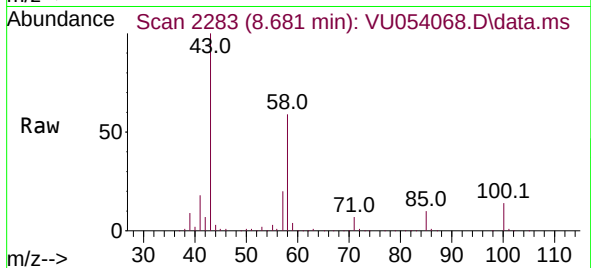


#48
2-Hexanone
Concen: 90.515 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion: 43 Resp: 166048

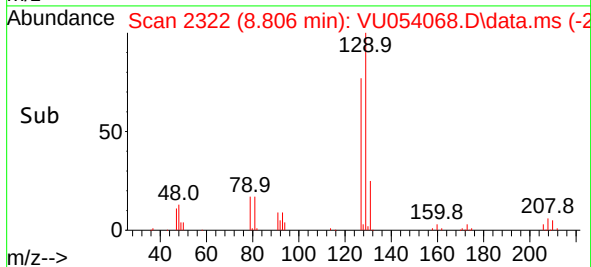
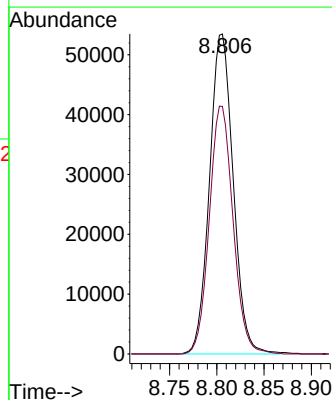
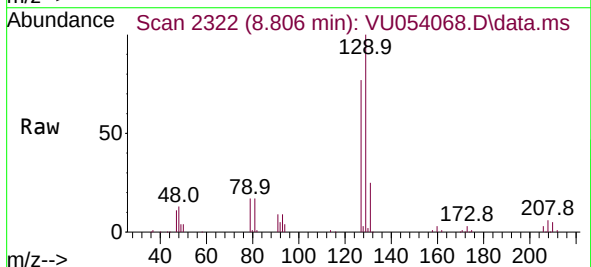
Ion	Ratio	Lower	Upper
43	100		
58	59.2	48.5	72.7
57	20.3	16.5	24.7
100	13.6	10.9	16.3

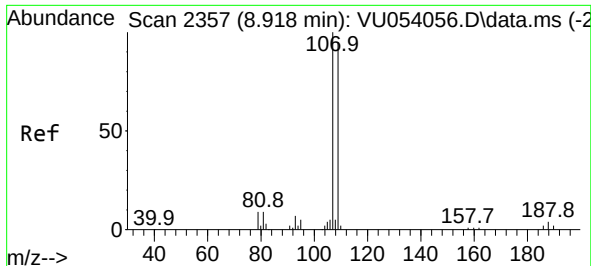


#49
Dibromochloromethane
Concen: 49.268 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 129 Resp: 93339

Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.9	98.3





#50

1,2-Dibromoethane

Concen: 49.078 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

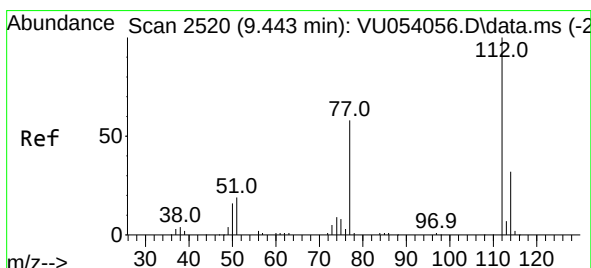
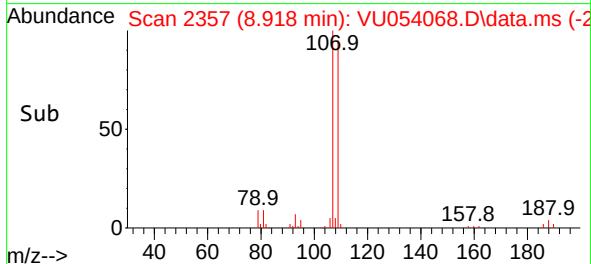
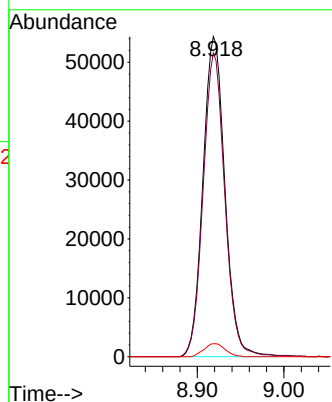
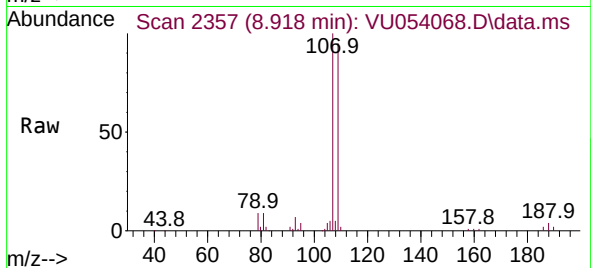
Tgt Ion:107 Resp: 95774

Ion Ratio Lower Upper

107 100

109 94.9 66.1 122.8

188 4.1 3.1 4.7



#51

Chlorobenzene

Concen: 48.980 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

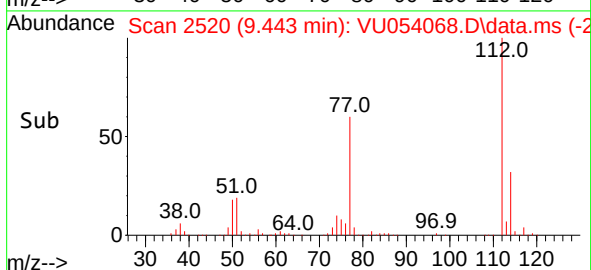
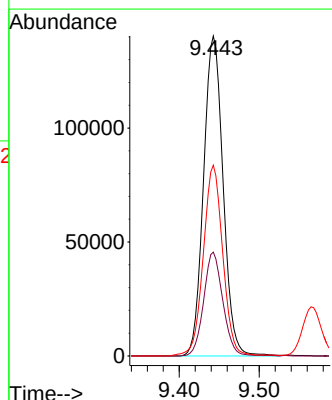
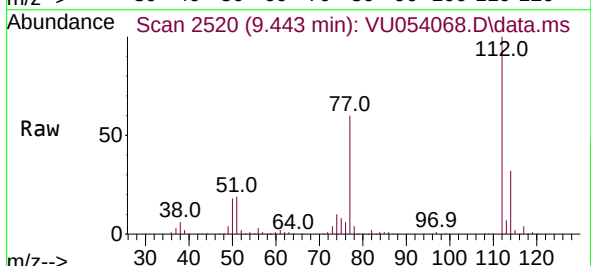
Tgt Ion:112 Resp: 239447

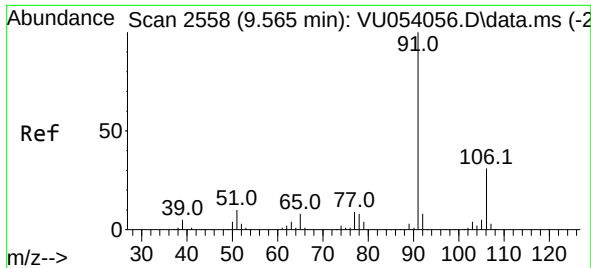
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.3

77 59.6 47.0 70.4

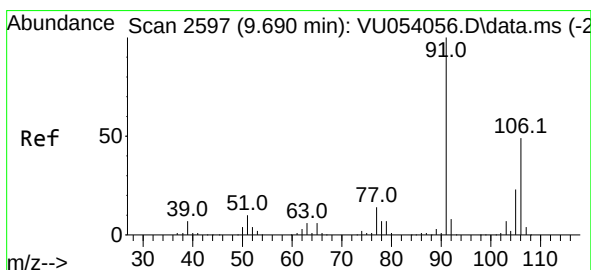
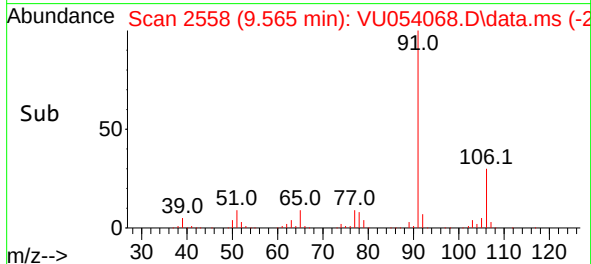
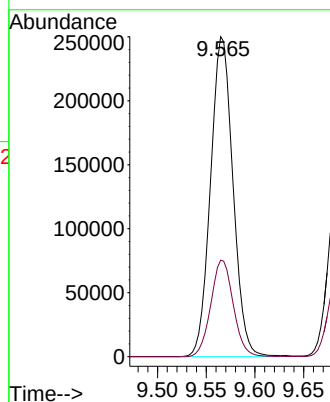
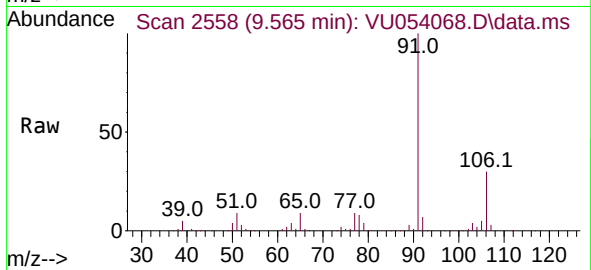




#52
Ethylbenzene
Concen: 48.659 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

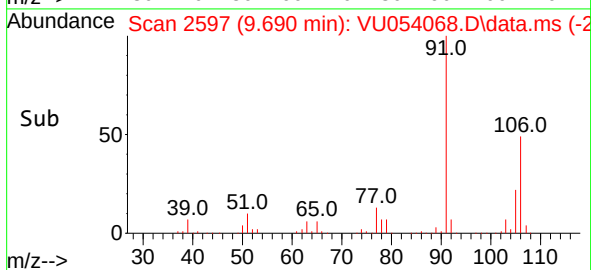
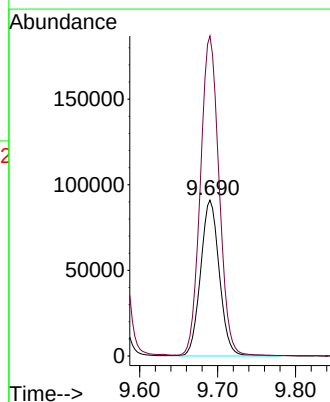
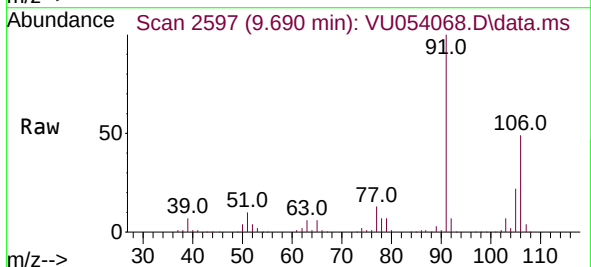
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

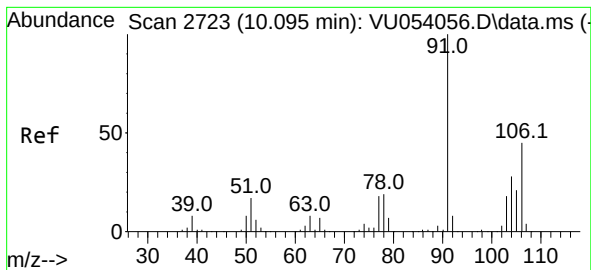
Tgt Ion: 91 Resp: 400282
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#53
m,p-Xylene
Concen: 49.076 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 106 Resp: 151596
Ion Ratio Lower Upper
106 100
91 205.2 140.5 260.9





#54

o-Xylene

Concen: 49.262 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

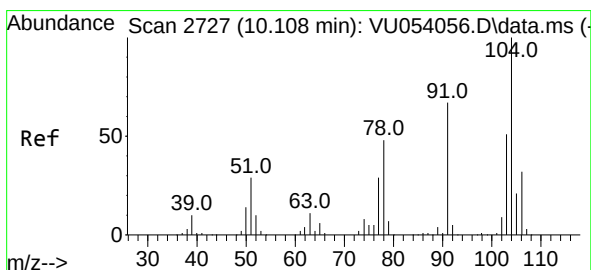
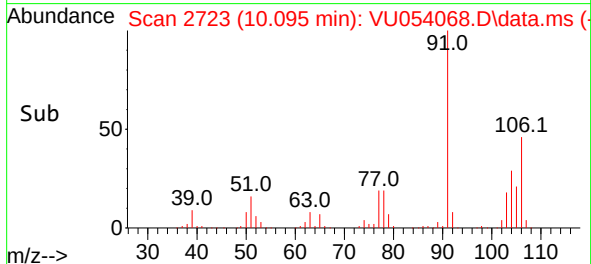
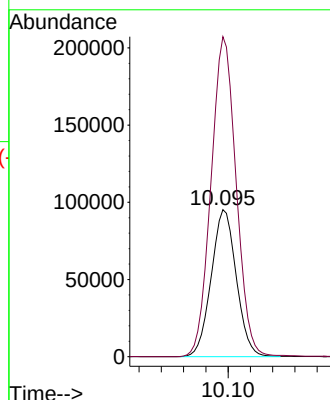
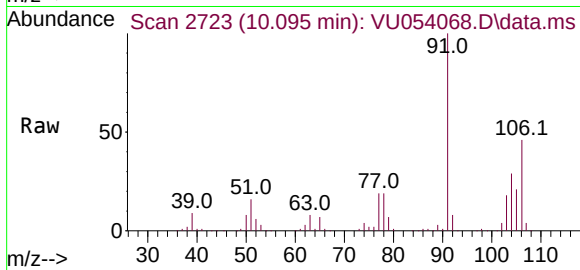
VSTD050091

Tgt Ion:106 Resp: 148871

Ion Ratio Lower Upper

106 100

91 217.6 154.9 287.7



#55

Styrene

Concen: 50.185 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU054068.D

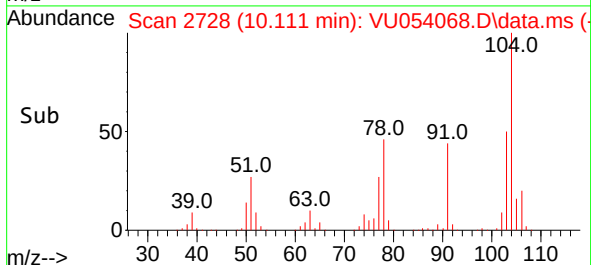
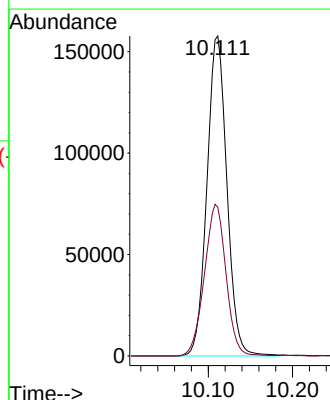
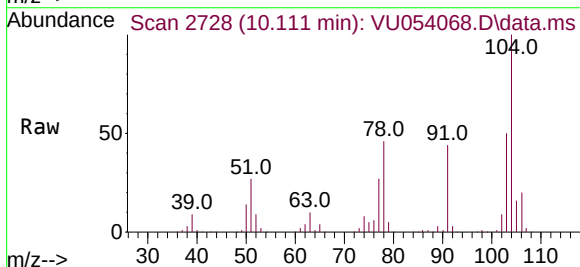
Acq: 05 May 2023 09:38

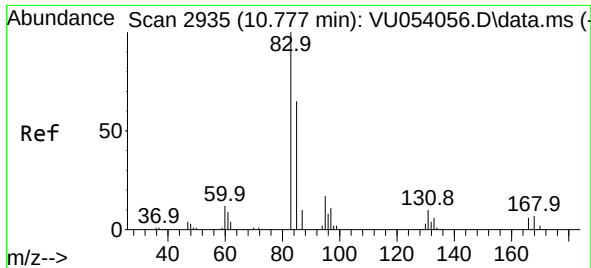
Tgt Ion:104 Resp: 260129

Ion Ratio Lower Upper

104 100

78 46.5 33.2 61.7

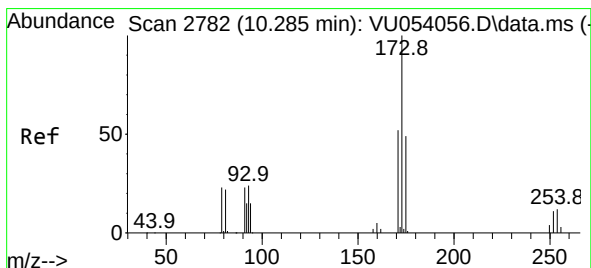
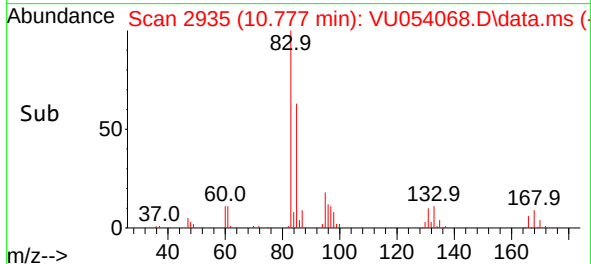
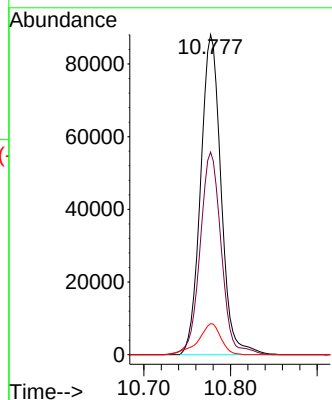
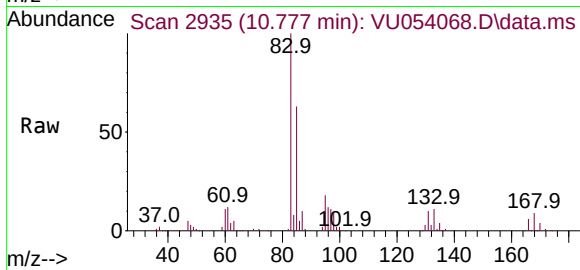




#57
1,1,2,2-Tetrachloroethane
Concen: 47.620 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

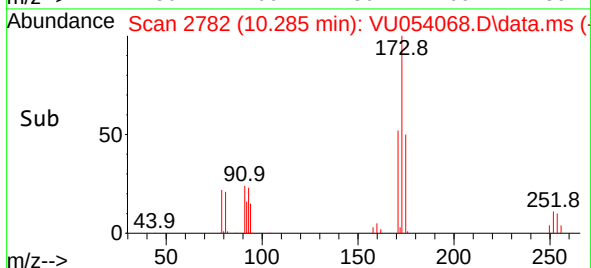
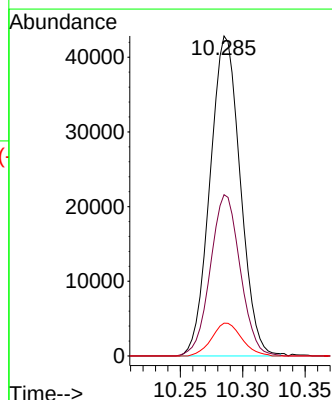
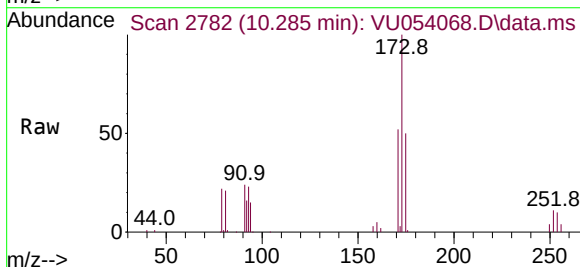
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

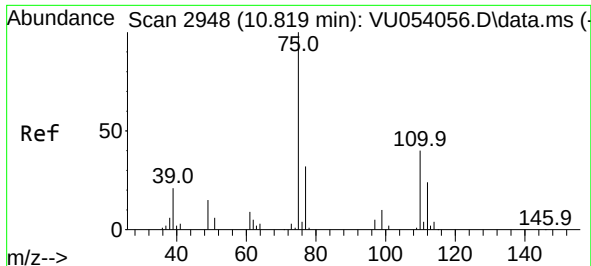
Tgt Ion: 83 Resp: 144222
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9
131 9.7 8.2 12.2



#59
Bromoform
Concen: 47.943 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 173 Resp: 72401
Ion Ratio Lower Upper
173 100
175 49.7 38.9 58.3
254 10.2 8.5 12.7

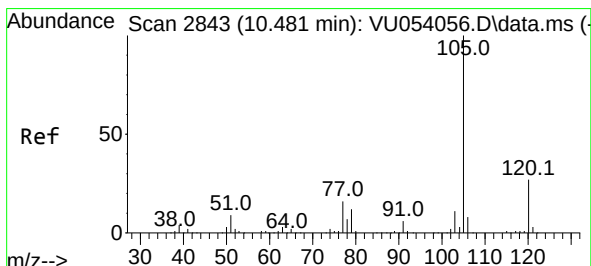
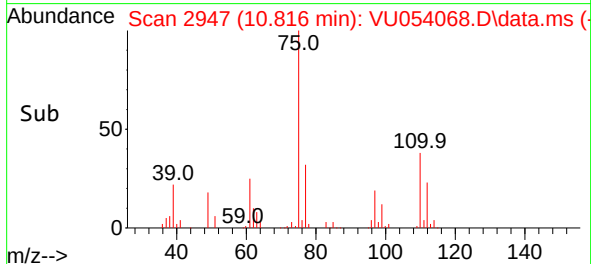
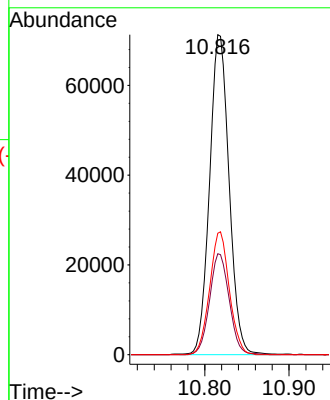
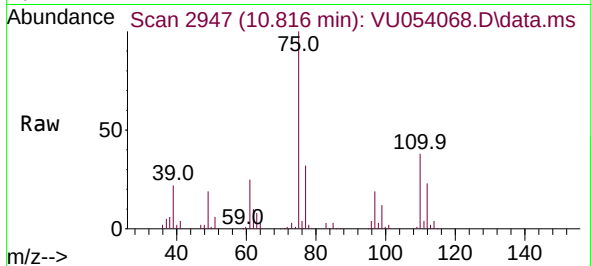




#60
1,2,3-Trichloropropane
Concen: 45.847 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

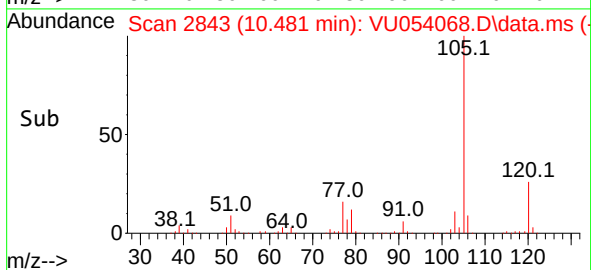
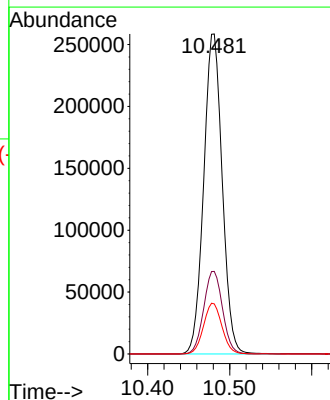
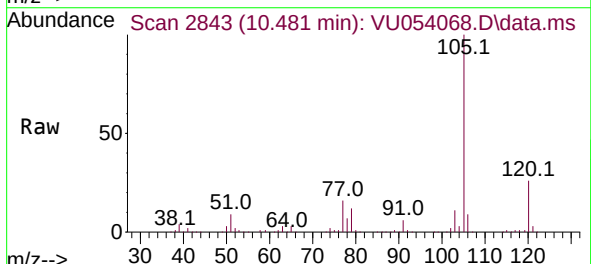
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

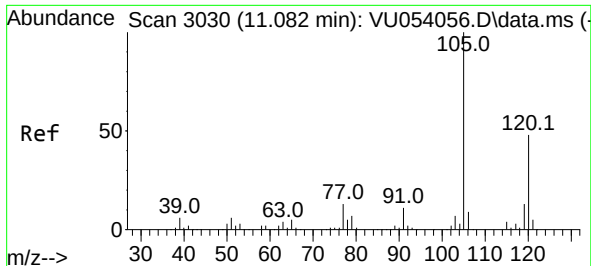
Tgt Ion: 75 Resp: 114871
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0
110 38.6 31.8 47.8



#61
Isopropylbenzene
Concen: 47.558 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion: 105 Resp: 404947
Ion Ratio Lower Upper
105 100
120 26.2 21.3 31.9
77 15.8 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 48.112 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

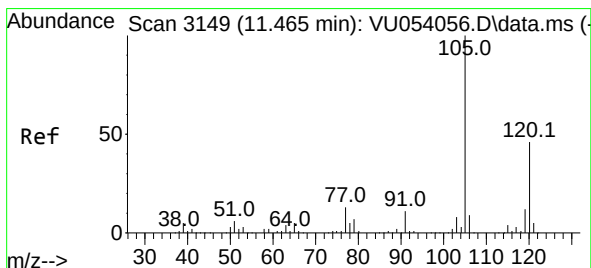
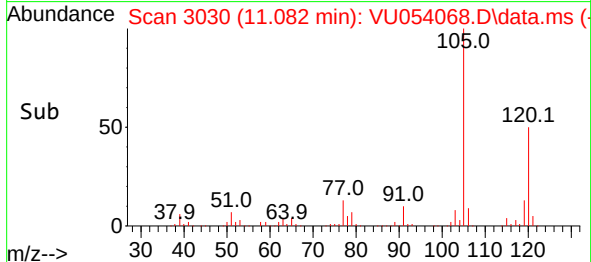
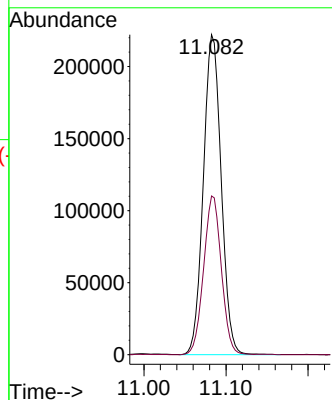
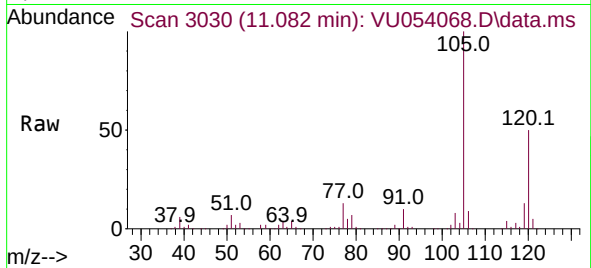
VSTD050091

Tgt Ion:105 Resp: 335700

Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 48.464 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU054068.D

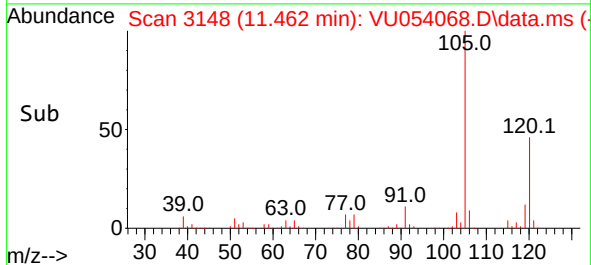
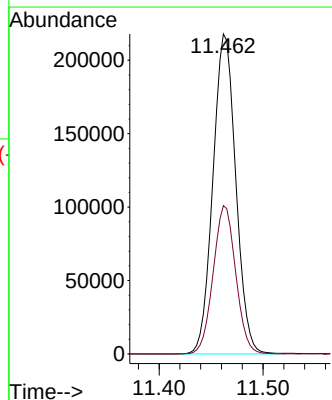
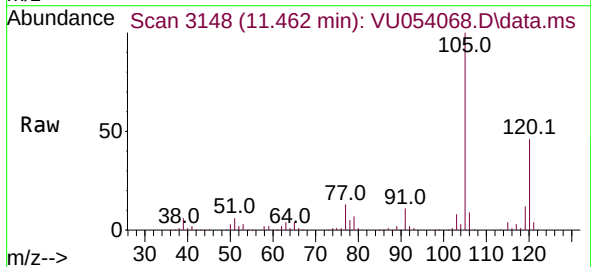
Acq: 05 May 2023 09:38

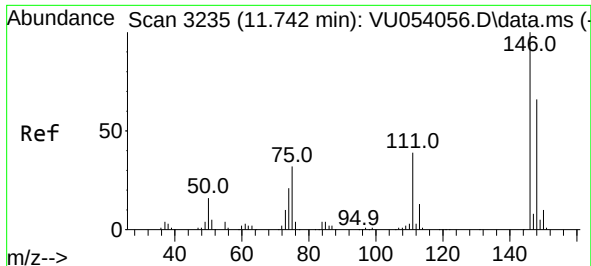
Tgt Ion:105 Resp: 333305

Ion Ratio Lower Upper

105 100

120 45.7 36.5 54.7

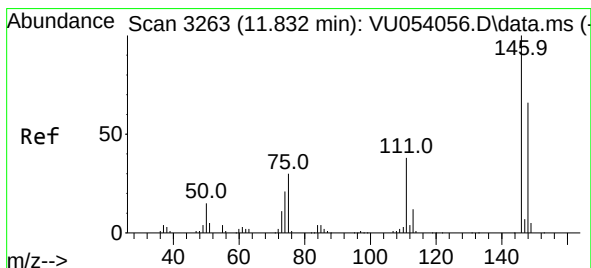
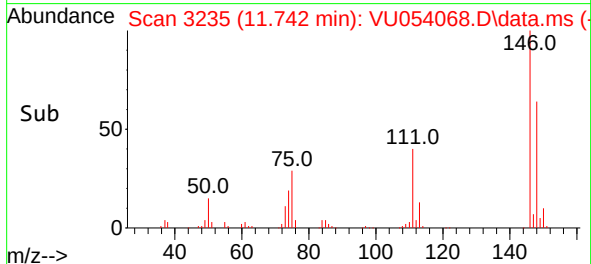
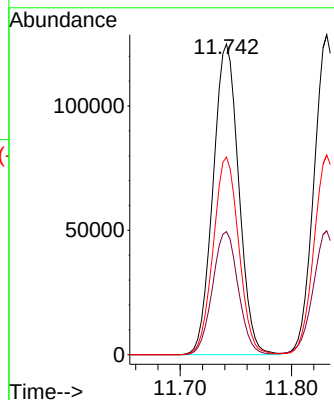
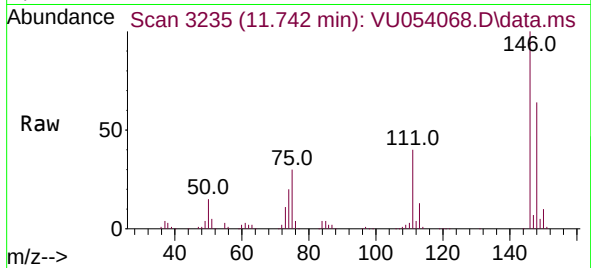




#64
1,3-Dichlorobenzene
Concen: 48.076 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

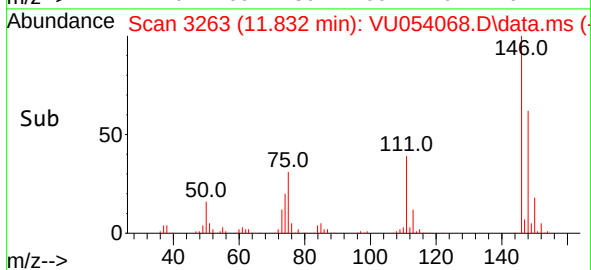
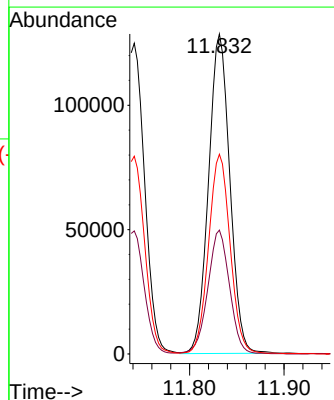
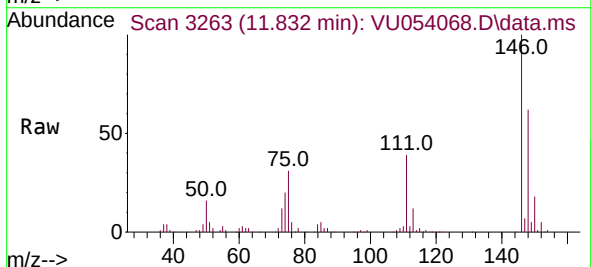
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

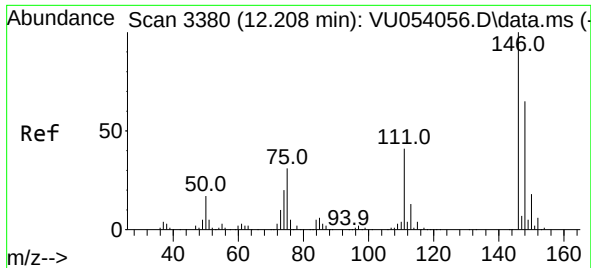
Tgt Ion:146 Resp: 200209
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.7
148 63.7 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 47.349 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion:146 Resp: 200820
Ion Ratio Lower Upper
146 100
111 38.7 27.9 51.7
148 62.4 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.448 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

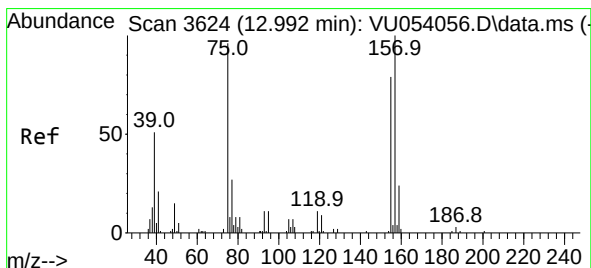
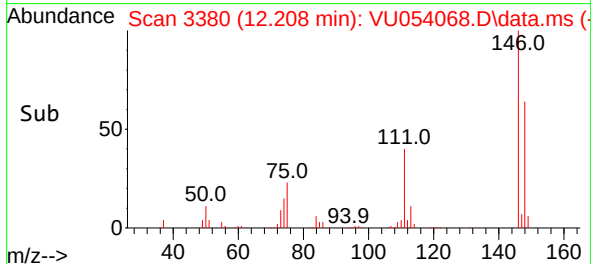
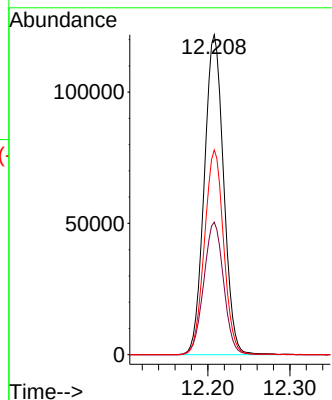
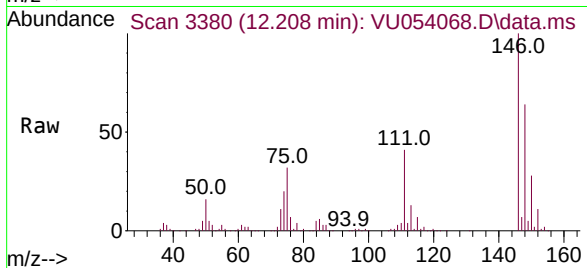
Tgt Ion:146 Resp: 199422

Ion Ratio Lower Upper

146 100

111 41.4 33.4 50.0

148 64.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 45.915 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU054068.D

Acq: 05 May 2023 09:38

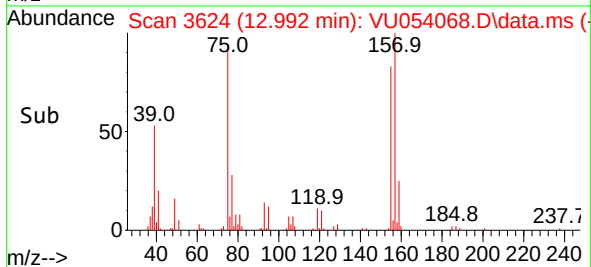
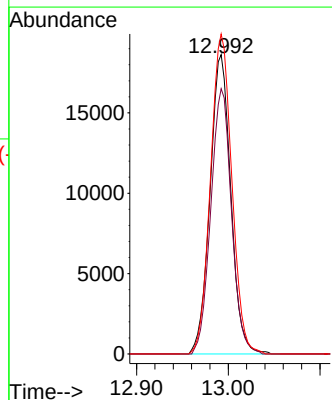
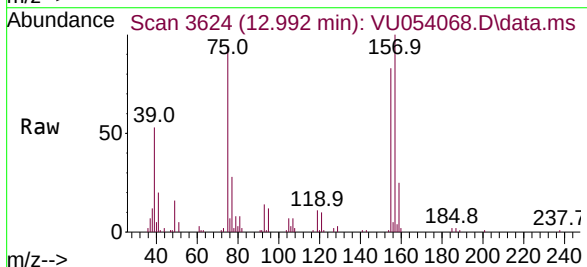
Tgt Ion: 75 Resp: 29349

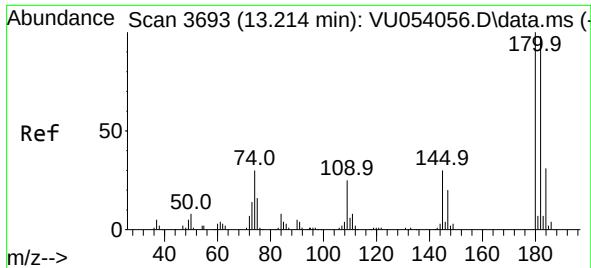
Ion Ratio Lower Upper

75 100

155 88.6 67.8 101.6

157 106.9 88.3 132.5

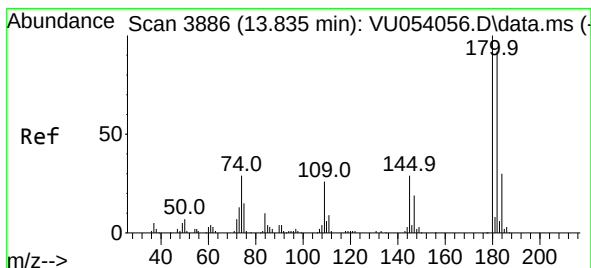
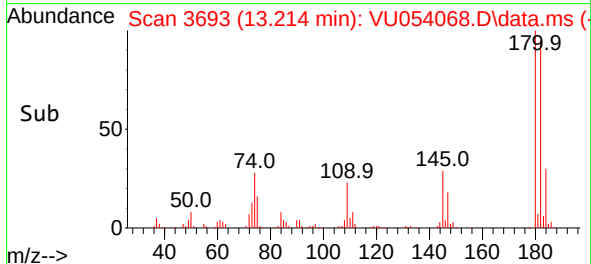
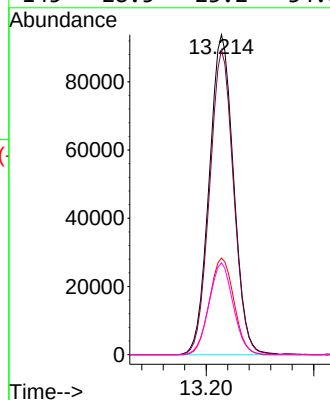
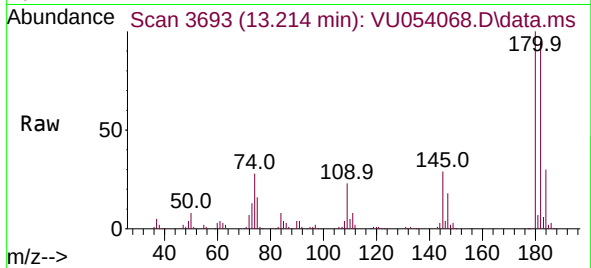




#69
1,3,5-Trichlorobenzene
Concen: 48.923 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

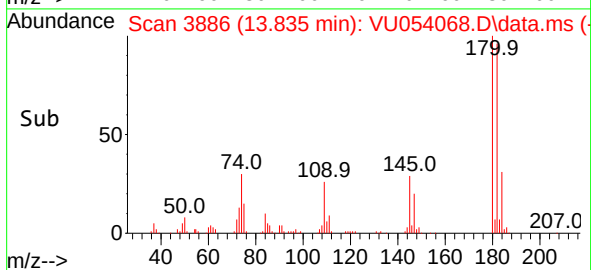
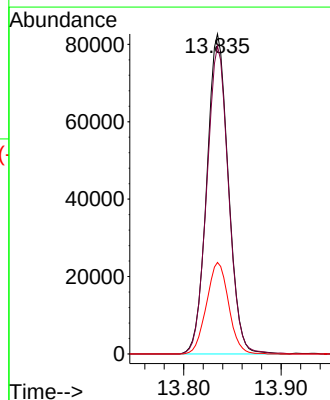
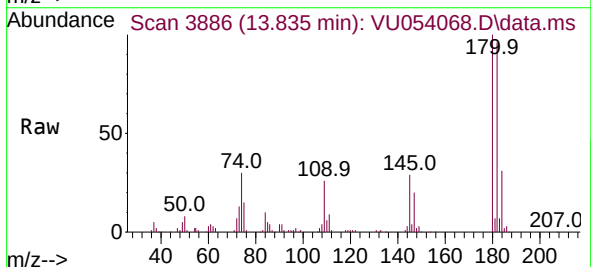
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

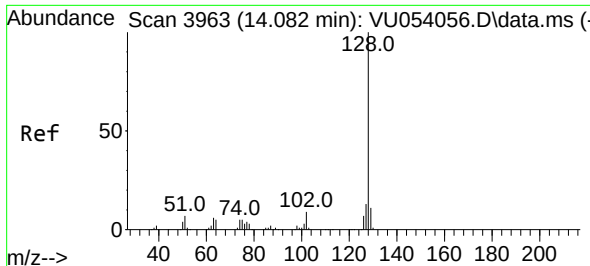
Tgt Ion:180	Resp: 147635
Ion Ratio	Lower Upper
180	100
182	93.6 76.0 114.0
184	30.3 24.2 36.2
145	28.5 23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 46.492 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion:180	Resp: 127191
Ion Ratio	Lower Upper
180	100
182	96.8 77.4 116.2
145	29.3 23.8 35.8

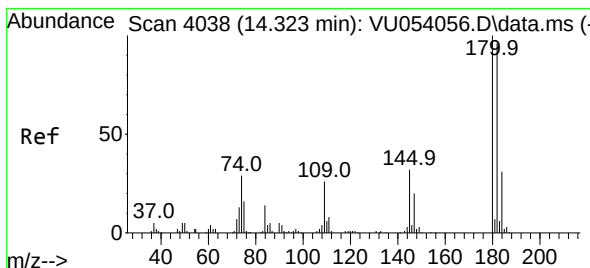
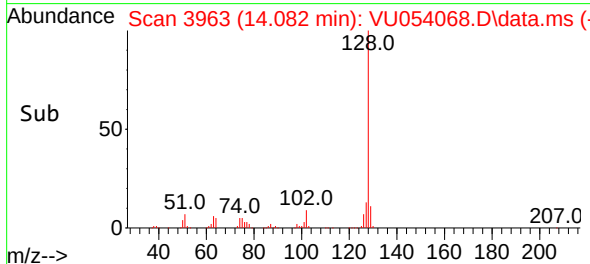
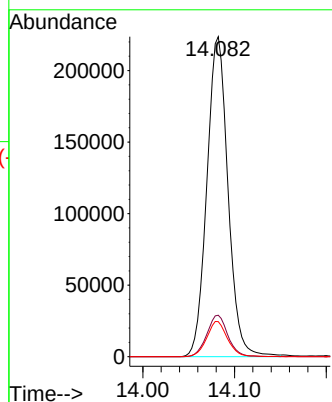
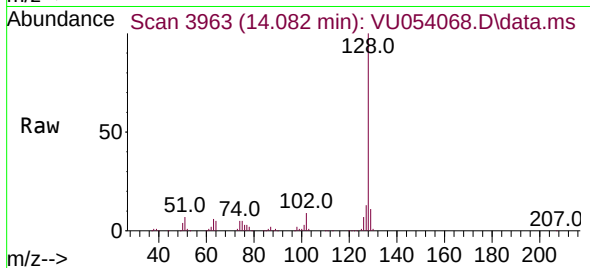




#71
Naphthalene
Concen: 45.196 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion:128 Resp: 358636
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.8 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 48.555 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054068.D
Acq: 05 May 2023 09:38

Tgt Ion:180 Resp: 132138
Ion Ratio Lower Upper
180 100
182 95.2 76.6 114.8
145 31.1 24.9 37.3

