

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051923\
 Data File : VU054231.D
 Acq On : 19 May 2023 19:55
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

Quant Time: May 20 02:11:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 20 02:06:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	173901	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	164196	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	89884	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46779	4.989	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.800%
7) Chloroethane-d5	1.912	69	35311	5.035	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.600%
11) 1,1-Dichloroethene-d2	2.565	65	21393	5.052	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	4.629	46	93173	55.726	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.460%
24) Chloroform-d	5.057	84	91657	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.697	65	41894	5.166	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.723	84	168709	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.684	67	51247	5.302	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.893	98	160746	5.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	8.176	79	19316	4.948	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.629	63	69136	59.483	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.960%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38465	5.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	57256	5.220	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	66716	5.074	ug/L	100
3) Chloromethane	1.517	50	66817	5.482	ug/L	98
5) Vinyl chloride	1.604	62	74774	5.775	ug/L	99
6) Bromomethane	1.858	94	40190	5.117	ug/L	97
8) Chloroethane	1.932	64	43086	5.253	ug/L	96
9) Trichlorofluoromethane	2.134	101	109373	5.317	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	64188	5.383	ug/L	98
12) 1,1-Dichloroethene	2.578	96	56539	5.312	ug/L	98
13) Acetone	2.639	43	93430	41.076	ug/L	98
14) Carbon disulfide	2.790	76	142652	5.335	ug/L	99
15) Methyl Acetate	2.951	43	23913	5.864	ug/L	99
16) Methylene chloride	3.041	84	68582	4.922	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	144817	5.404	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	58665	5.419	ug/L	99
19) 1,1-Dichloroethane	3.864	63	120766	5.571	ug/L	98
21) 2-Butanone	4.707	43	152922	50.757	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	68222	5.389	ug/L	97
23) Bromochloromethane	4.970	128	31024	5.610	ug/L	94
25) Chloroform	5.083	83	126826	5.394	ug/L	99

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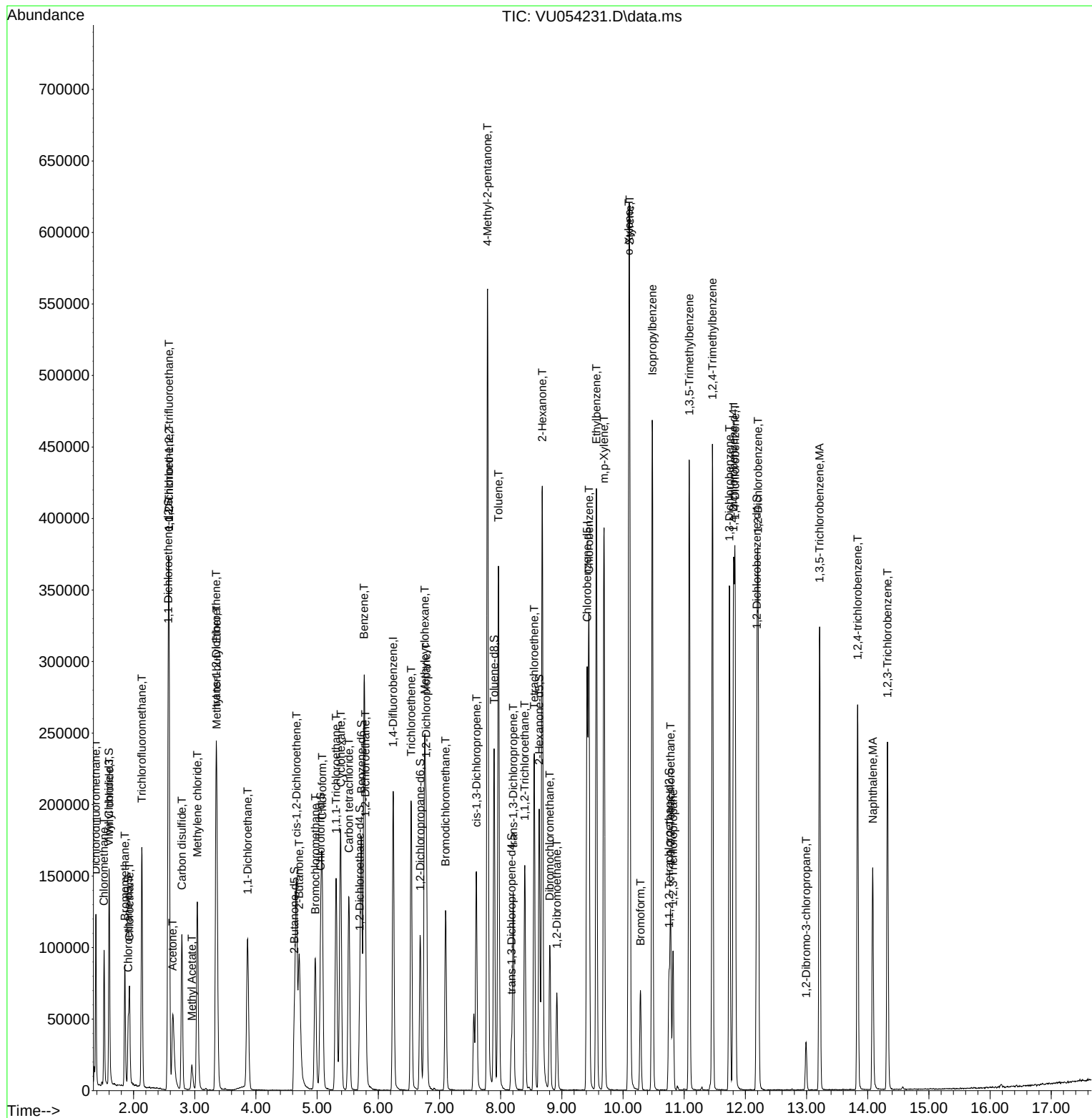
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	73956	5.470	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	110887	5.395	ug/L	100
30) Cyclohexane	5.385	56	87715	5.243	ug/L	98
31) Carbon tetrachloride	5.520	117	95220	5.342	ug/L	98
33) Benzene	5.768	78	256989	5.530	ug/L	100
34) Trichloroethene	6.536	95	69612	5.570	ug/L	96
35) Methylcyclohexane	6.758	83	91520	5.008	ug/L	98
37) 1,2-Dichloropropane	6.784	63	67160	5.504	ug/L	99
38) Bromodichloromethane	7.099	83	85997	5.565	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	94067	5.174	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	360854	58.092	ug/L	99
42) Toluene	7.964	91	273860	5.577	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	80201	5.374	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	49681	5.649	ug/L	97
47) Tetrachloroethene	8.549	164	54502	5.306	ug/L	98
48) 2-Hexanone	8.681	43	255709	54.446	ug/L	100
49) Dibromochloromethane	8.803	129	54525	5.554	ug/L	100
50) 1,2-Dibromoethane	8.919	107	46069	5.700	ug/L #	99
51) Chlorobenzene	9.443	112	177476	5.345	ug/L	99
52) Ethylbenzene	9.565	91	298706	5.458	ug/L	99
53) m,p-Xylene	9.690	106	113211	5.447	ug/L	100
54) o-Xylene	10.095	106	111250	5.420	ug/L	97
55) Styrene	10.108	104	190233	5.668	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	61035	5.845	ug/L	98
59) Bromoform	10.285	173	31734	5.490	ug/L	99
60) Isopropylbenzene	10.478	105	300931	5.487	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	41400	5.681	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	236634	5.286	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	248370	5.558	ug/L	98
64) 1,3-Dichlorobenzene	11.738	146	147712	5.396	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	145704	5.358	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	135066	5.377	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	8763	5.625	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.214	180	106081	5.194	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	85106	5.033	ug/L	98
71) Naphthalene	14.082	128	130046	5.316	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	77955	5.446	ug/L	99

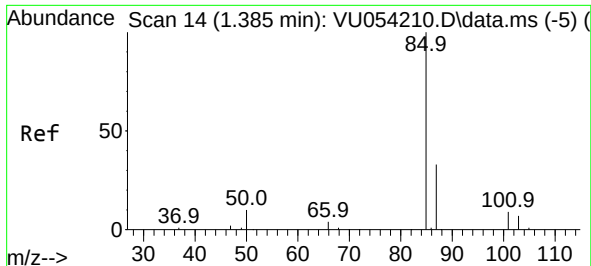
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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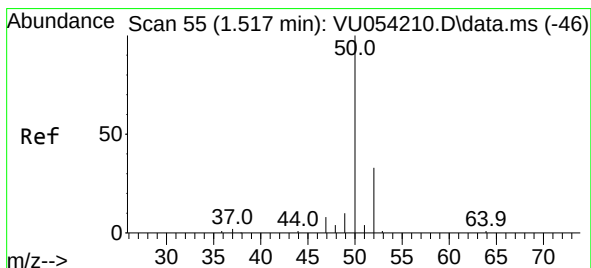
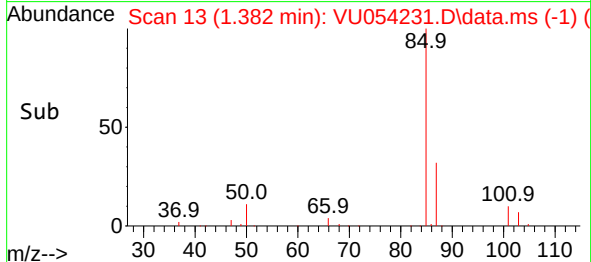
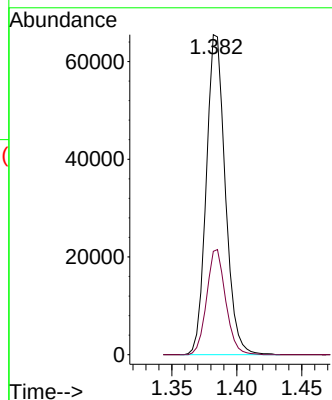
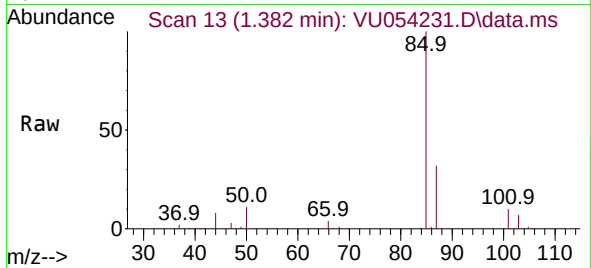




#2
Dichlorodifluoromethane
Concen: 5.074 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

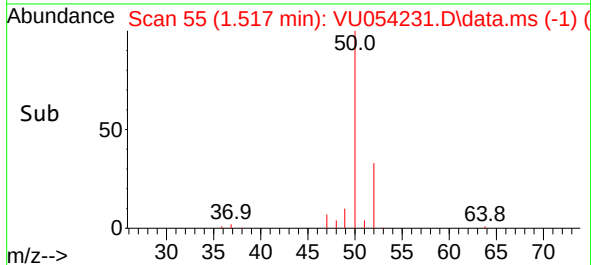
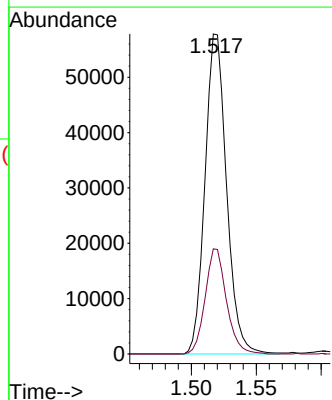
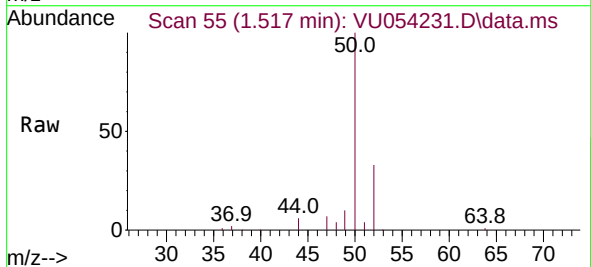
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

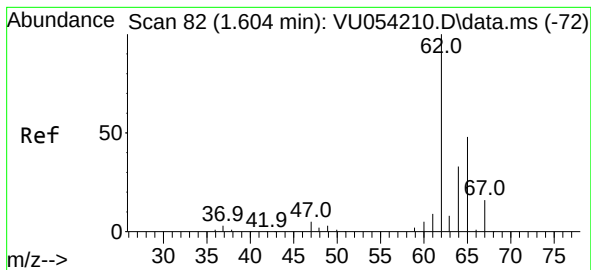
Tgt Ion: 85 Resp: 66716
Ion Ratio Lower Upper
85 100
87 32.8 26.1 39.1



#3
Chloromethane
Concen: 5.482 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 50 Resp: 66817
Ion Ratio Lower Upper
50 100
52 32.8 23.7 44.1





#5

Vinyl chloride

Concen: 5.775 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

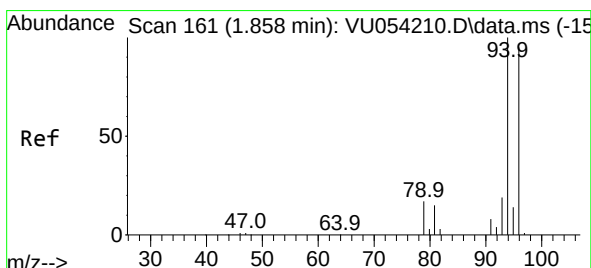
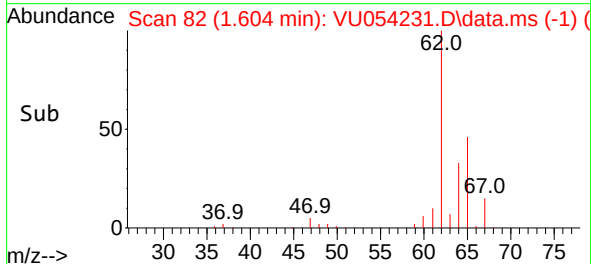
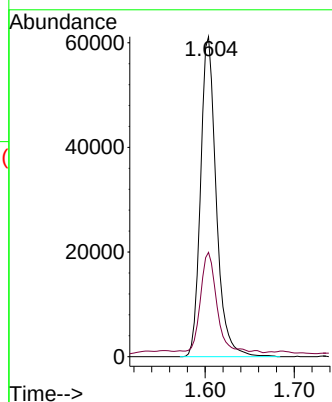
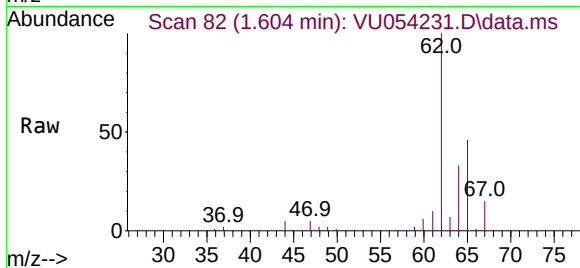
VSTD005170

Tgt Ion: 62 Resp: 74774

Ion Ratio Lower Upper

62 100

64 32.6 22.4 41.6



#6

Bromomethane

Concen: 5.117 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU054231.D

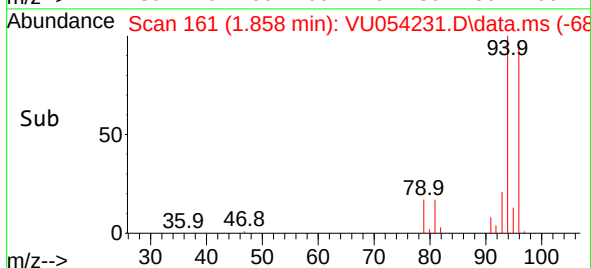
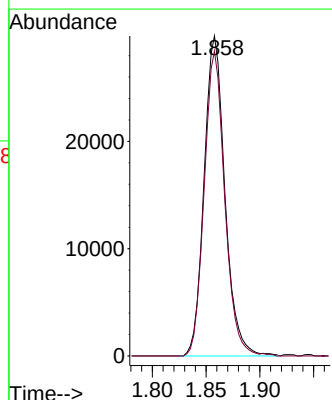
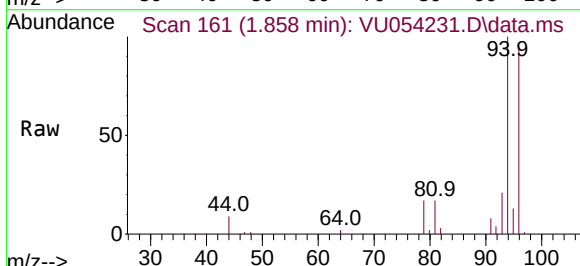
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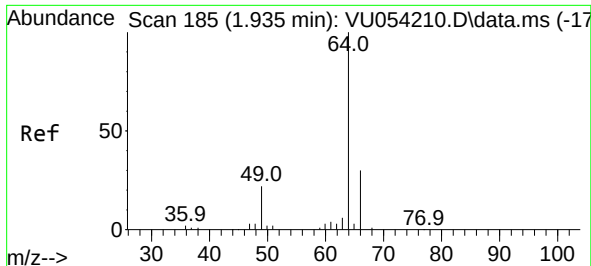
Tgt Ion: 94 Resp: 40190

Ion Ratio Lower Upper

94 100

96 95.3 68.7 127.5





#8

Chloroethane

Concen: 5.253 ug/L

RT: 1.932 min Scan# 184

Delta R.T. -0.003 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

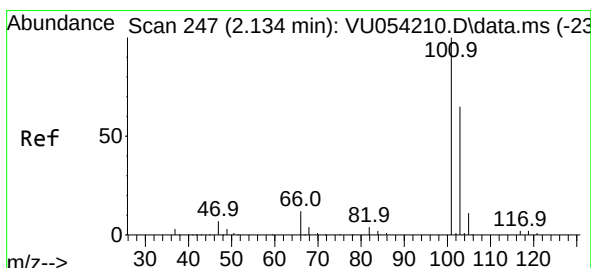
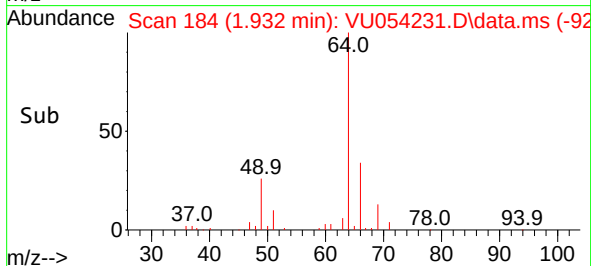
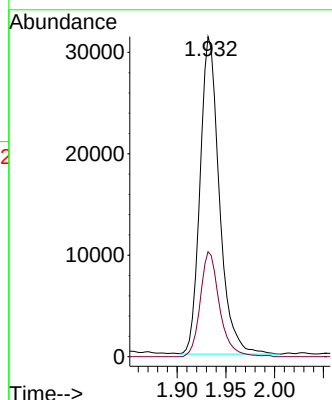
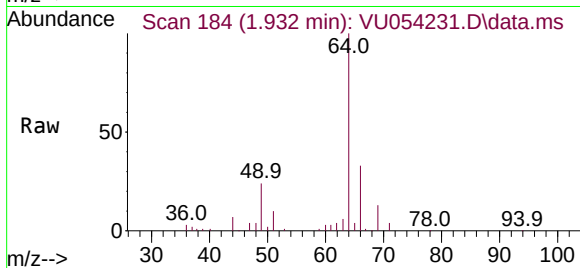
VSTD005170

Tgt Ion: 64 Resp: 43086

Ion Ratio Lower Upper

64 100

66 32.8 21.6 40.0



#9

Trichlorofluoromethane

Concen: 5.317 ug/L

RT: 2.134 min Scan# 247

Delta R.T. 0.000 min

Lab File: VU054231.D

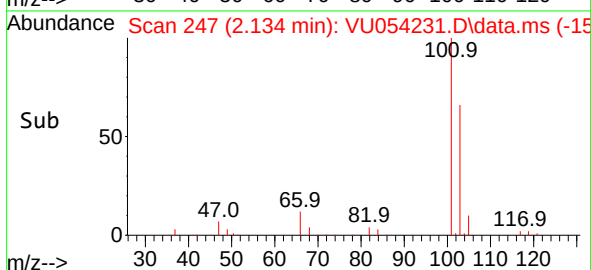
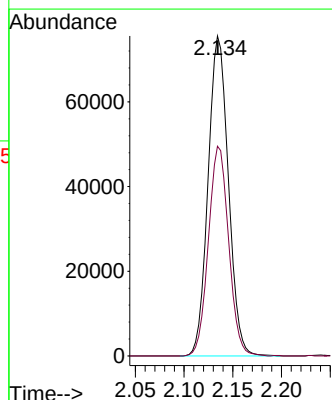
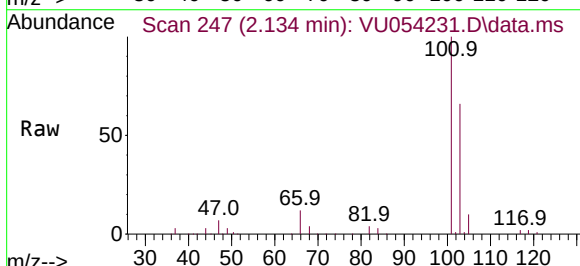
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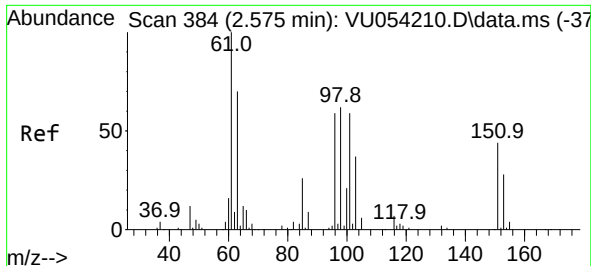
Tgt Ion:101 Resp: 109373

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.6

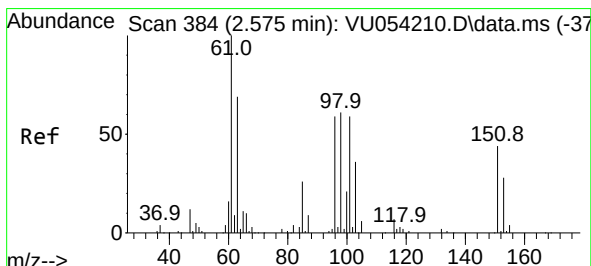
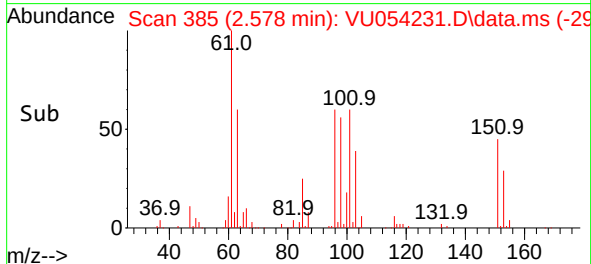
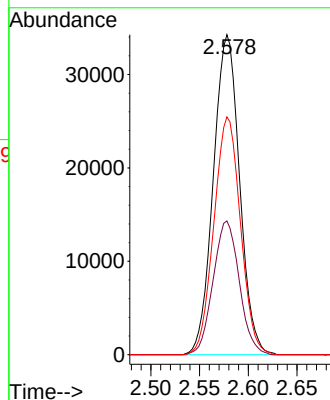
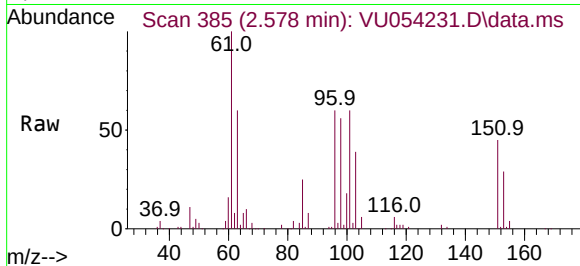




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.383 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054231.D
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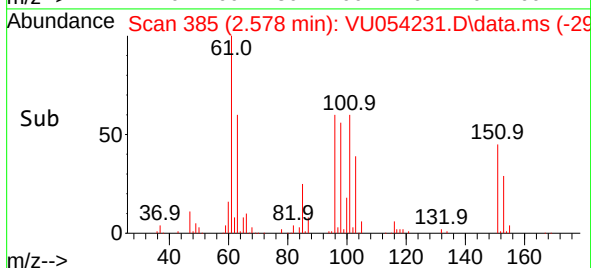
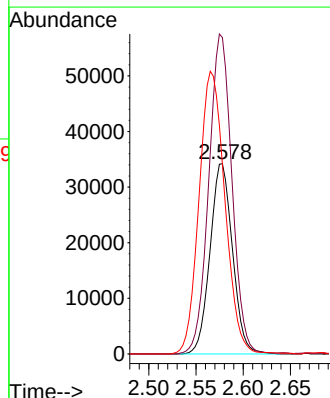
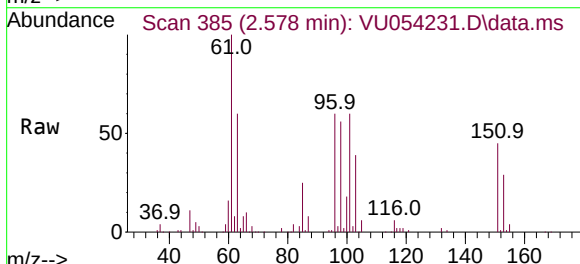
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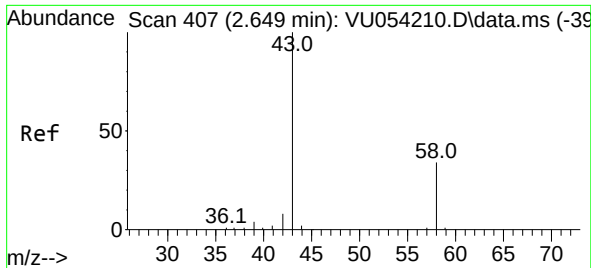
Tgt Ion:101 Resp: 64188
 Ion Ratio Lower Upper
 101 100
 85 41.7 35.0 52.4
 151 75.2 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 5.312 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054231.D
 Acq: 19 May 2023 19:55

Tgt Ion: 96 Resp: 56539
 Ion Ratio Lower Upper
 96 100
 61 166.3 114.7 212.9
 63 99.3 68.6 127.4





#13

Acetone

Concen: 41.076 ug/L

RT: 2.639 min Scan# 407

Delta R.T. -0.010 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

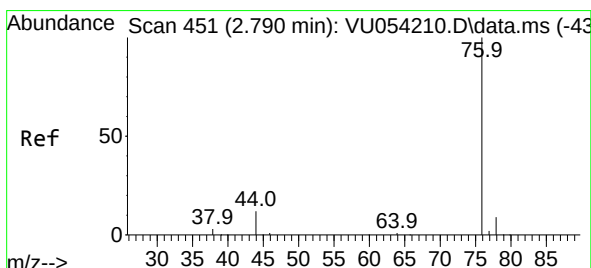
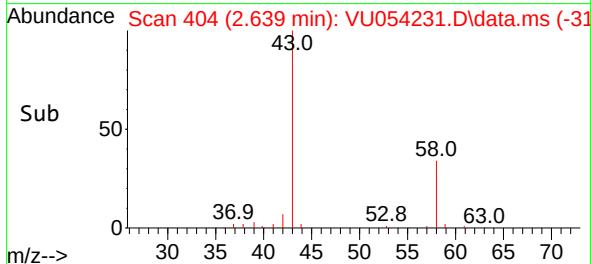
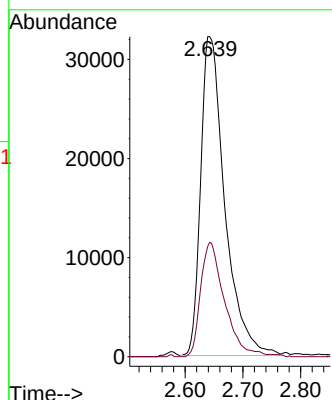
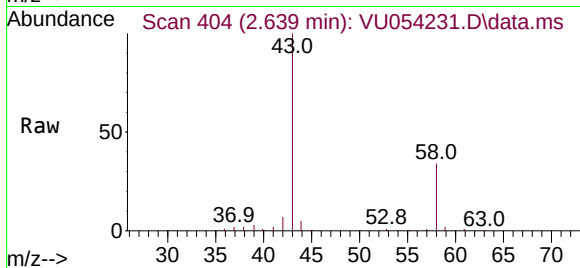
VSTD005170

Tgt Ion: 43 Resp: 93430

Ion Ratio Lower Upper

43 100

58 35.4 0.0 73.2



#14

Carbon disulfide

Concen: 5.335 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054231.D

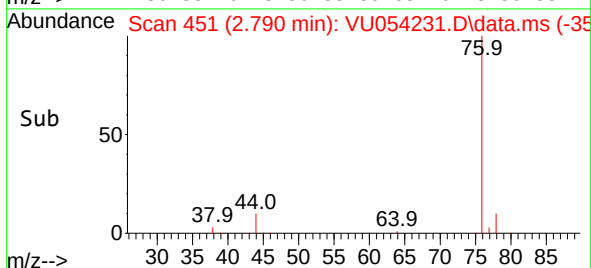
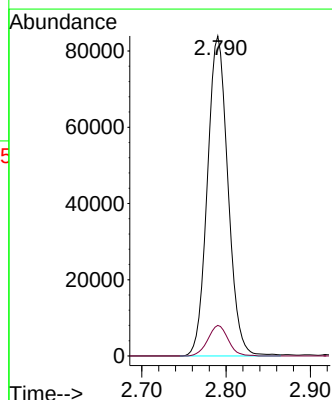
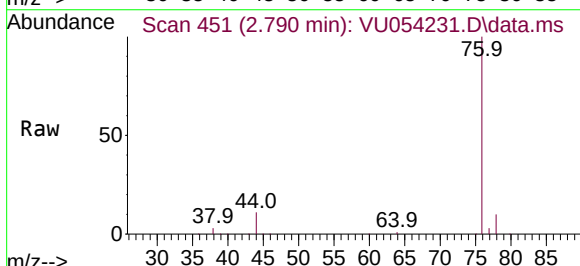
Acq: 19 May 2023 19:55

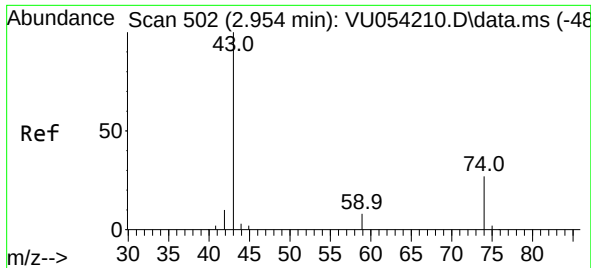
Tgt Ion: 76 Resp: 142652

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

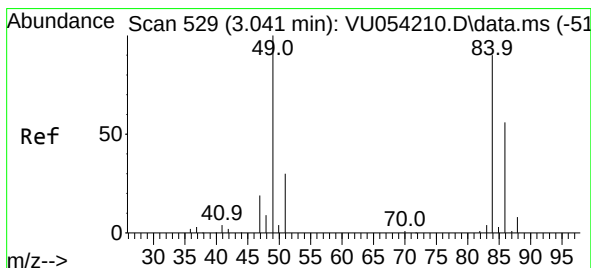
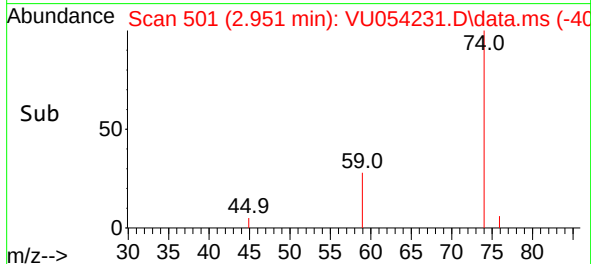
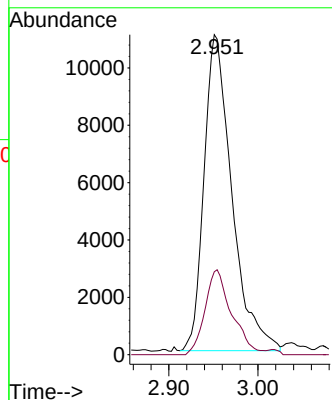
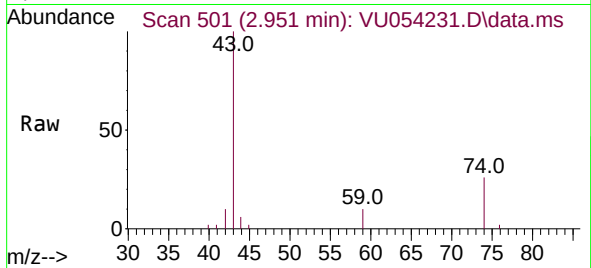




#15
Methyl Acetate
Concen: 5.864 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

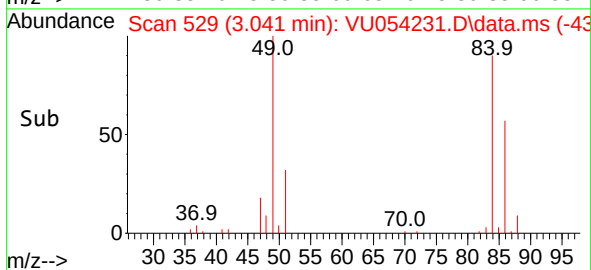
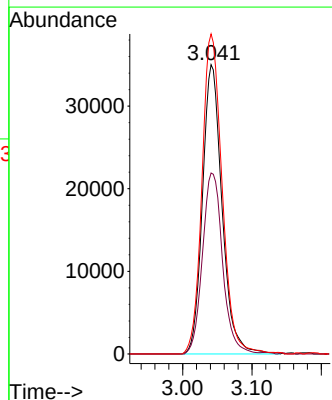
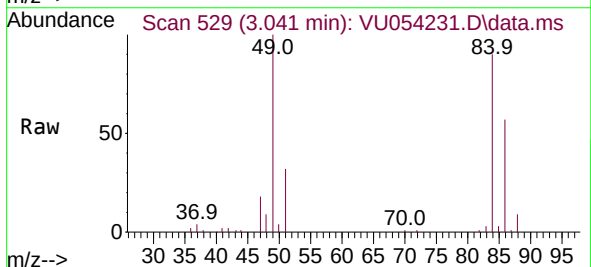
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

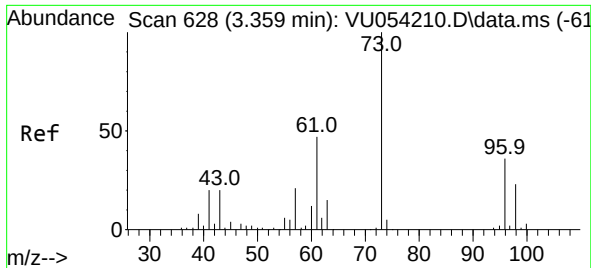
Tgt Ion: 43 Resp: 23913
Ion Ratio Lower Upper
43 100
74 25.8 20.3 30.5



#16
Methylene chloride
Concen: 4.922 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 84 Resp: 68582
Ion Ratio Lower Upper
84 100
86 62.6 45.5 84.5
49 110.6 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 5.404 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

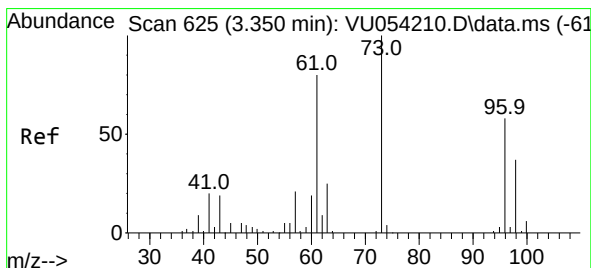
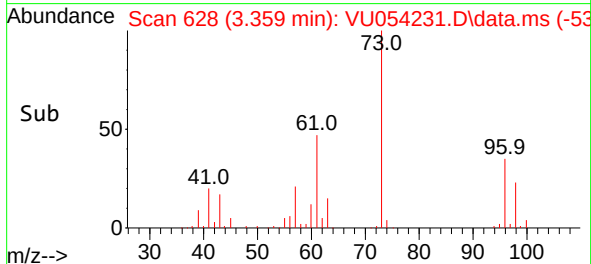
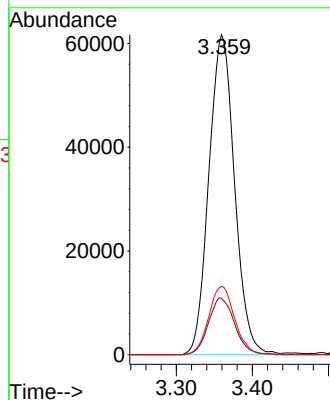
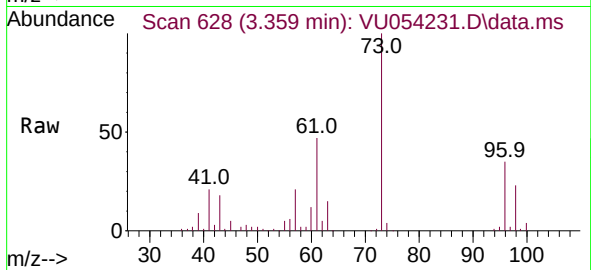
Tgt Ion: 73 Resp: 144817

Ion Ratio Lower Upper

73 100

43 18.1 14.6 22.0

57 21.6 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.419 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

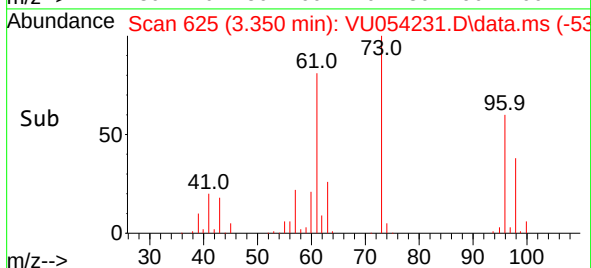
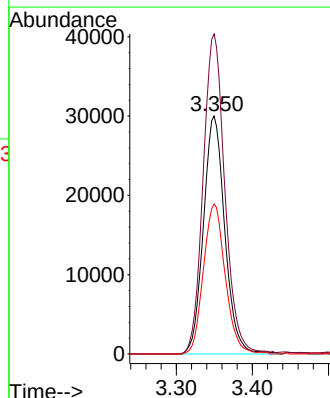
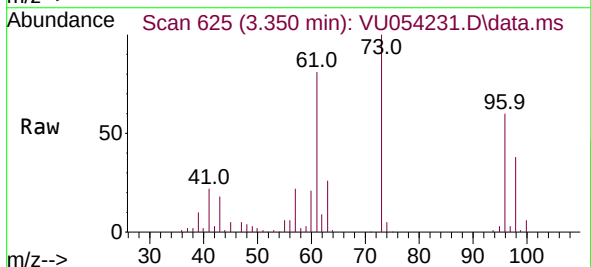
Tgt Ion: 96 Resp: 58665

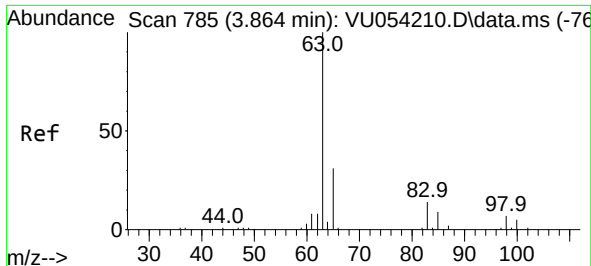
Ion Ratio Lower Upper

96 100

61 134.5 94.1 174.8

98 63.0 45.3 84.1

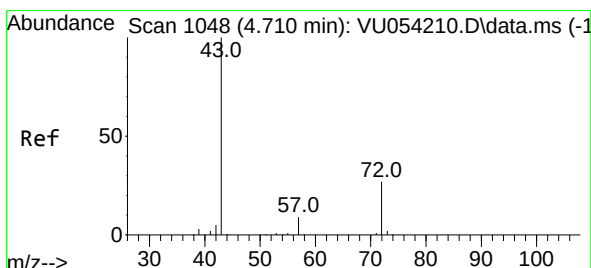
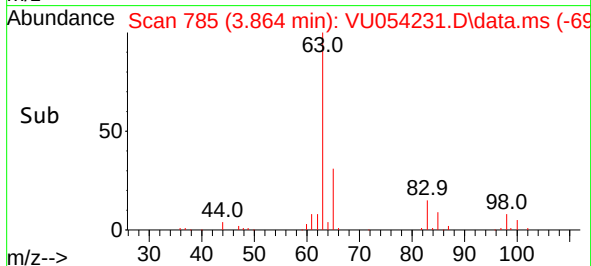
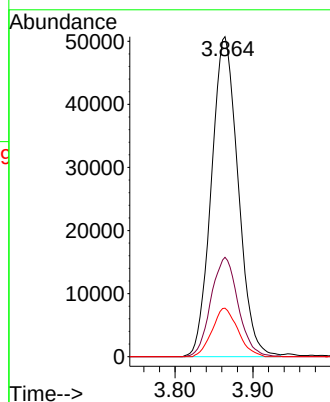
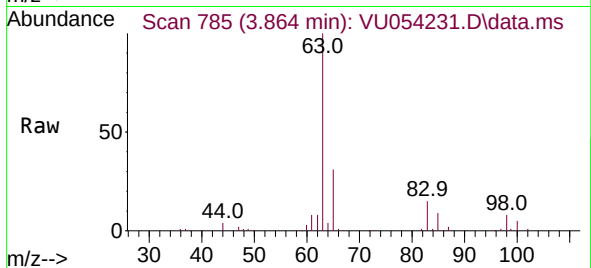




#19
1,1-Dichloroethane
Concen: 5.571 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

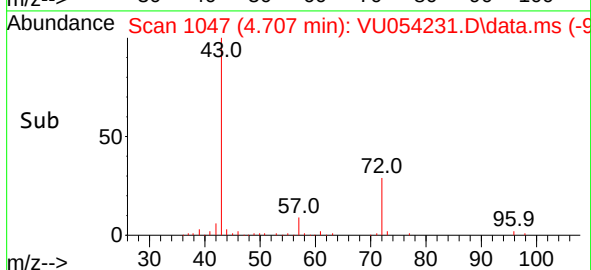
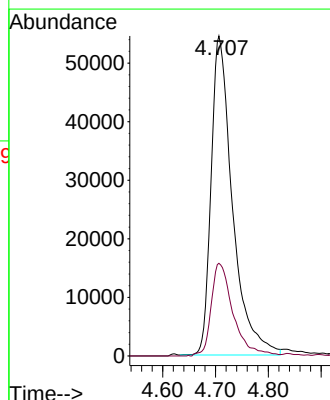
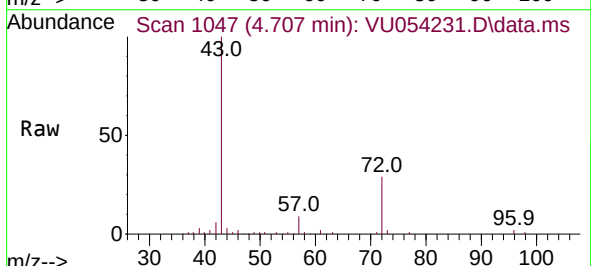
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

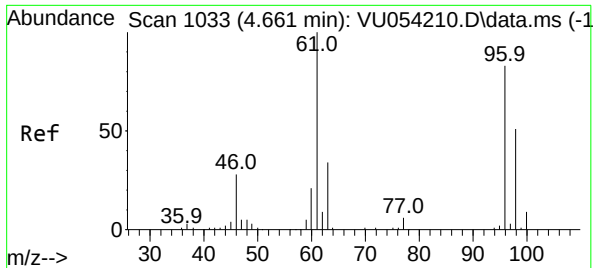
Tgt Ion: 63 Resp: 120766
Ion Ratio Lower Upper
63 100
65 31.0 20.7 38.5
83 15.1 10.1 18.7



#21
2-Butanone
Concen: 50.757 ug/L
RT: 4.707 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 43 Resp: 152922
Ion Ratio Lower Upper
43 100
72 29.8 14.2 42.8

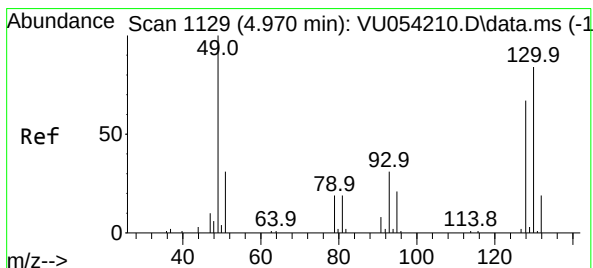
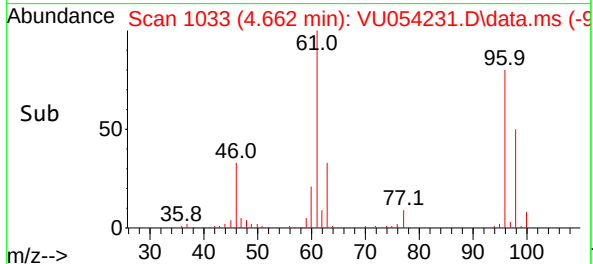
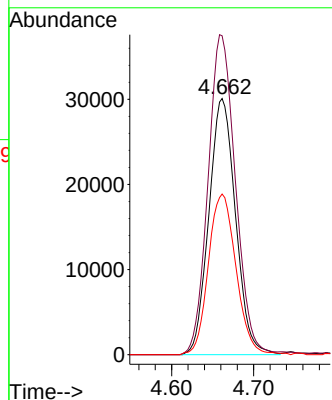
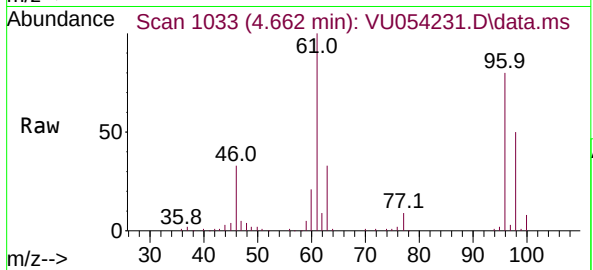




#22
 cis-1,2-Dichloroethene
 Concen: 5.389 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU054231.D
 Acq: 19 May 2023 19:55

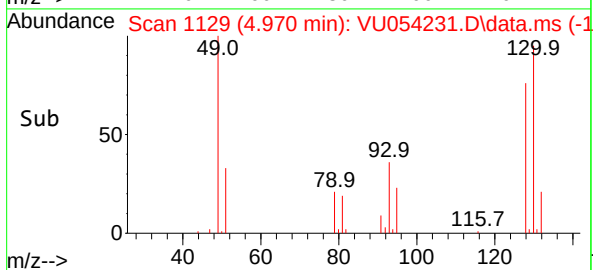
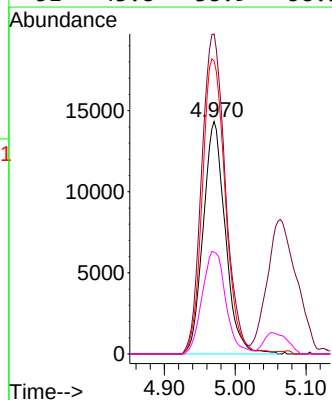
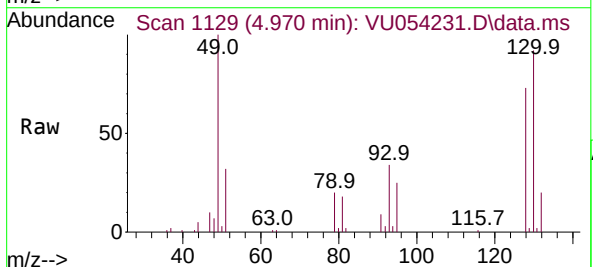
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005170

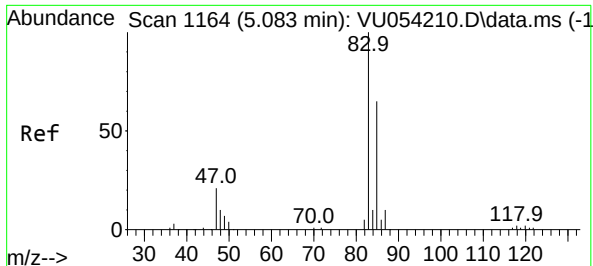
Tgt Ion:	96	Resp:	68222
Ion	Ratio	Lower	Upper
96	100		
61	124.5	85.0	157.8
98	62.7	45.8	85.0



#23
 Bromochloromethane
 Concen: 5.610 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU054231.D
 Acq: 19 May 2023 19:55

Tgt Ion:	128	Resp:	31024
Ion	Ratio	Lower	Upper
128	100		
49	137.7	100.9	187.3
130	126.0	93.2	173.0
51	43.8	38.9	58.3





#25

Chloroform

Concen: 5.394 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

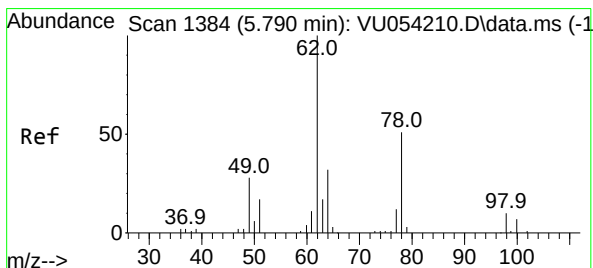
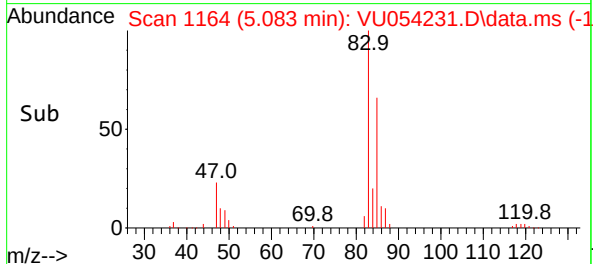
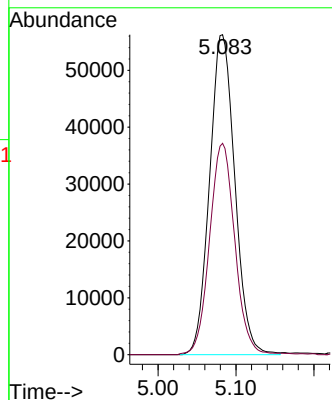
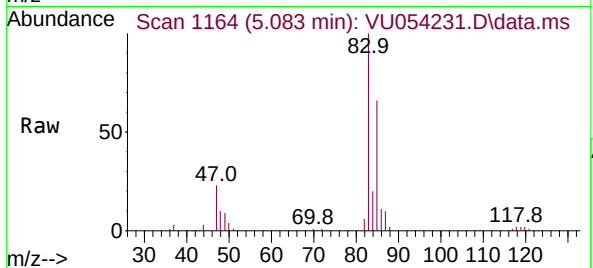
VSTD005170

Tgt Ion: 83 Resp: 126826

Ion Ratio Lower Upper

83 100

85 66.1 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.470 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU054231.D

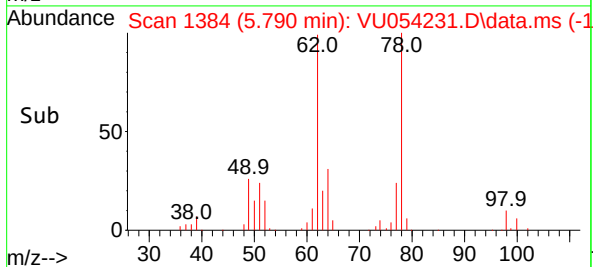
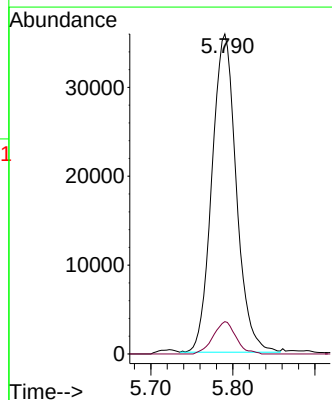
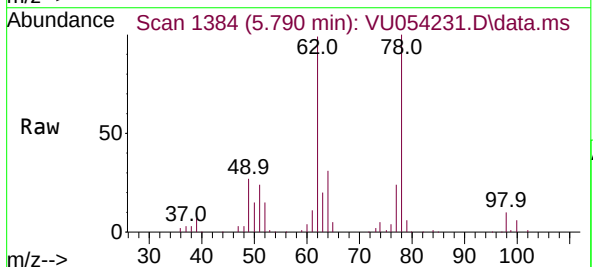
Acq: 19 May 2023 19:55

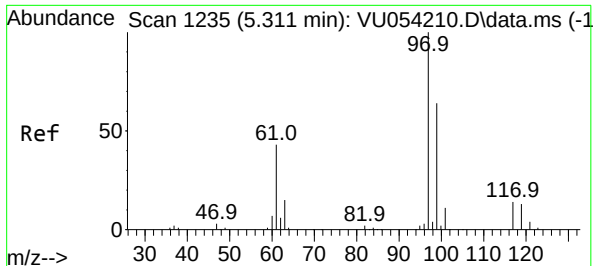
Tgt Ion: 62 Resp: 73956

Ion Ratio Lower Upper

62 100

98 10.1 7.6 11.4

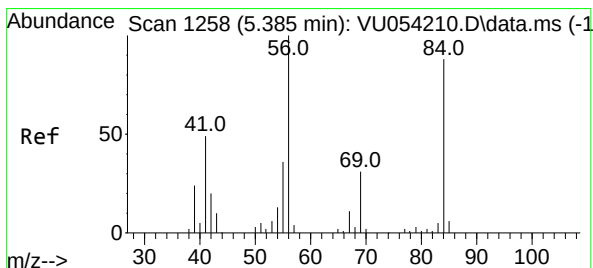
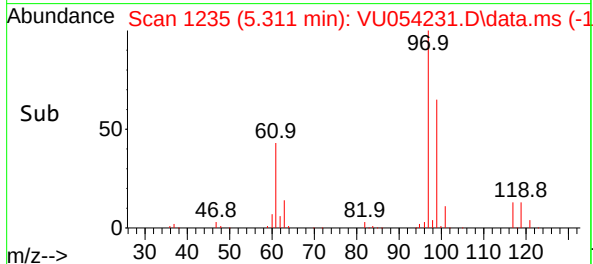
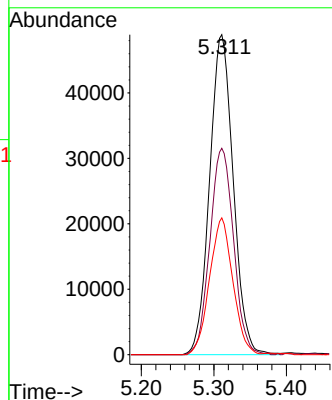
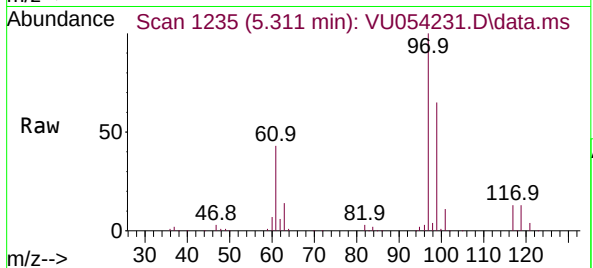




#29
1,1,1-Trichloroethane
Concen: 5.395 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

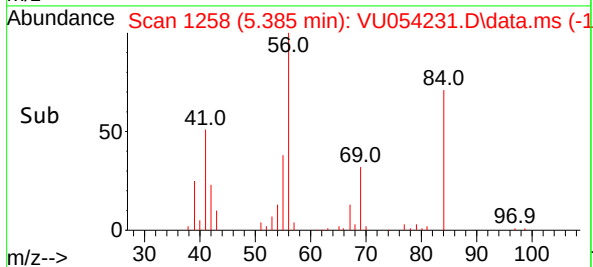
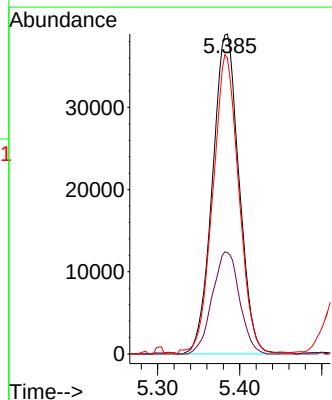
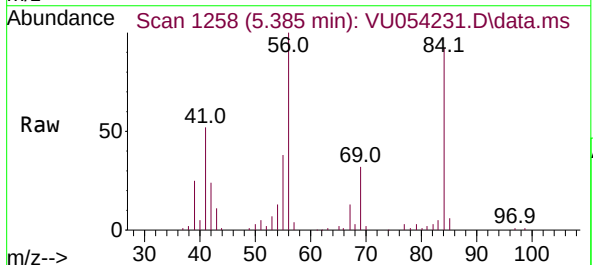
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

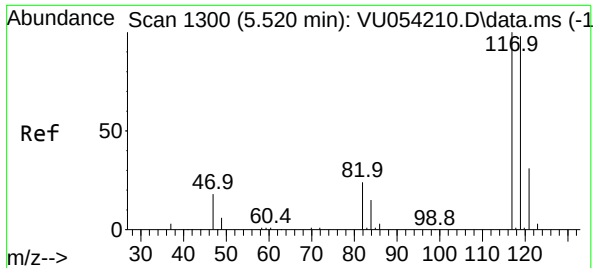
Tgt Ion: 97 Resp: 110887
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 42.2 33.4 50.2



#30
Cyclohexane
Concen: 5.243 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 56 Resp: 87715
Ion Ratio Lower Upper
56 100
69 32.6 26.2 39.4
84 90.3 74.2 111.4

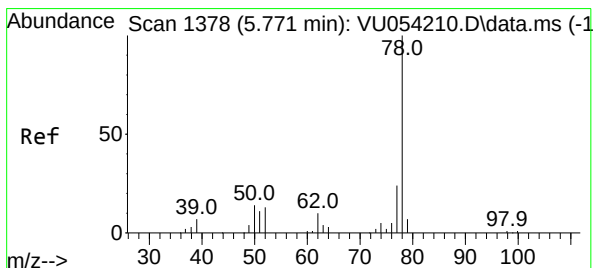
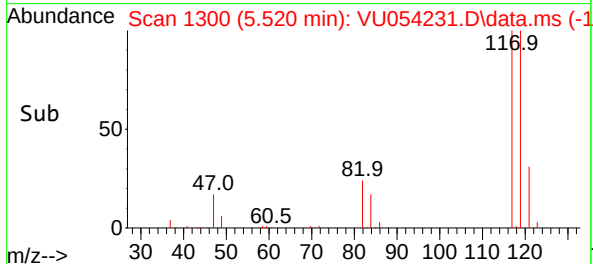
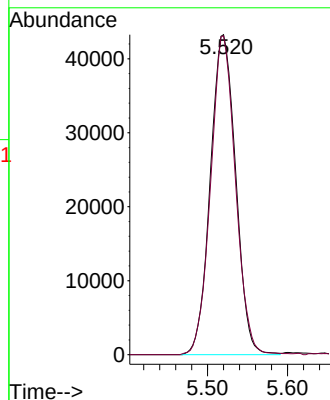
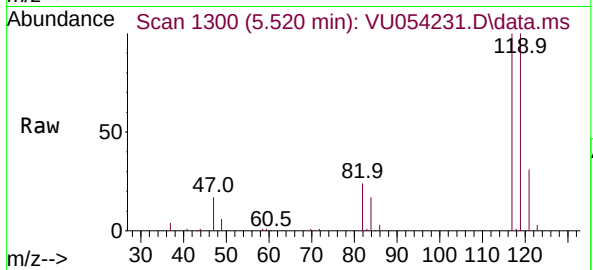




#31
Carbon tetrachloride
Concen: 5.342 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

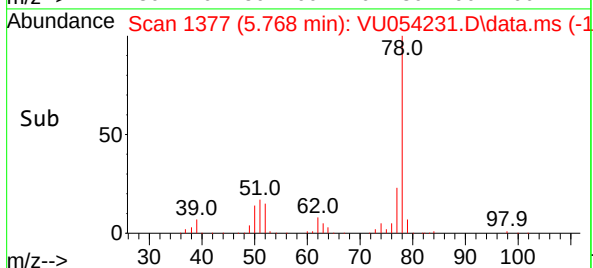
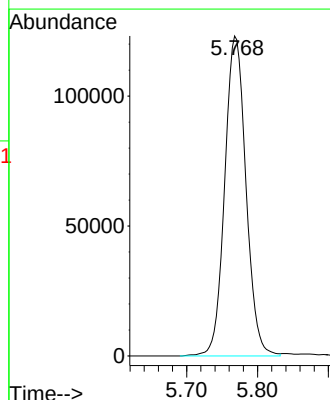
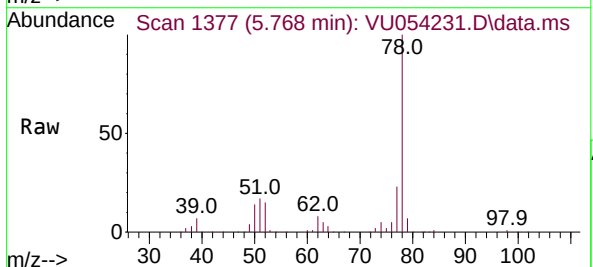
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

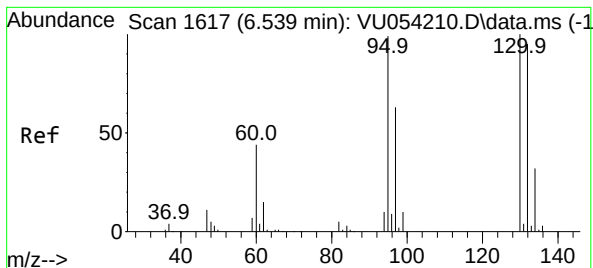
Tgt Ion:117 Resp: 95220
Ion Ratio Lower Upper
117 100
119 97.6 76.6 114.8



#33
Benzene
Concen: 5.530 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 78 Resp: 256989





#34

Trichloroethene

Concen: 5.570 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

Tgt Ion: 95 Resp: 69612

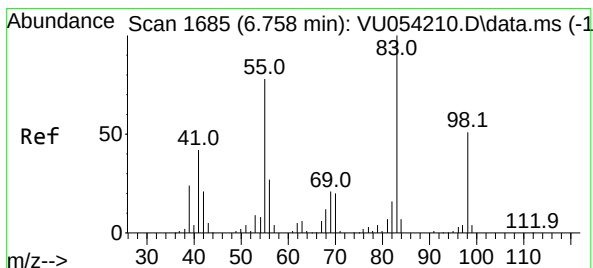
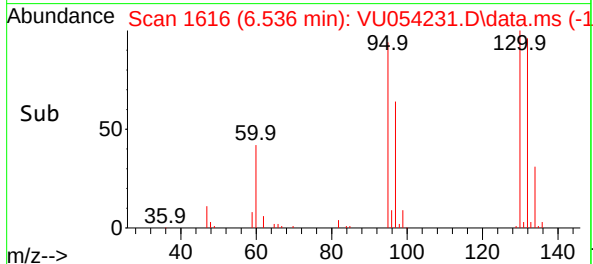
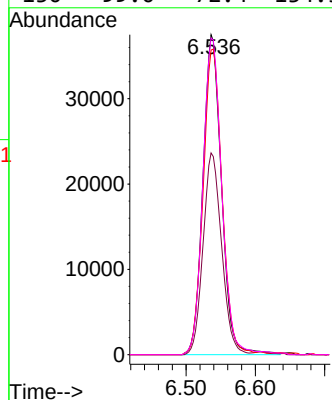
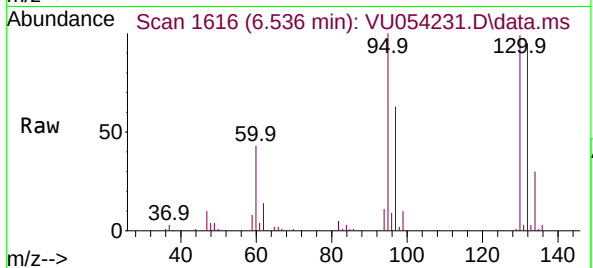
Ion Ratio Lower Upper

95 100

97 63.1 45.8 85.0

132 95.2 70.1 130.3

130 99.0 72.4 134.5



#35

Methylcyclohexane

Concen: 5.008 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

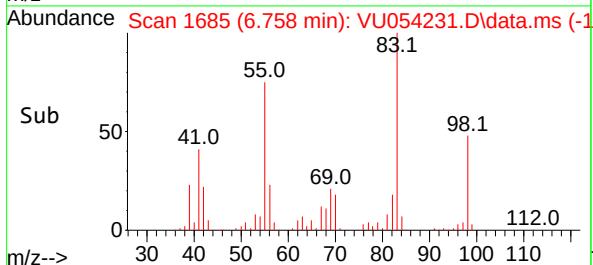
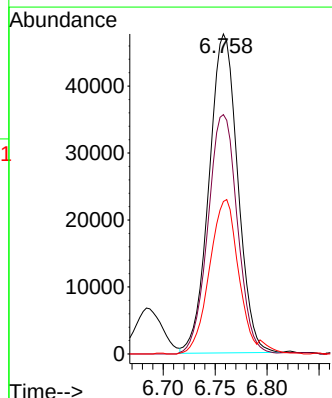
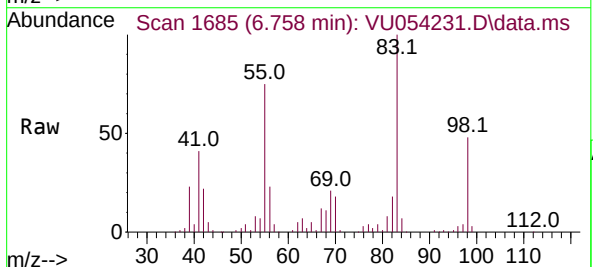
Tgt Ion: 83 Resp: 91520

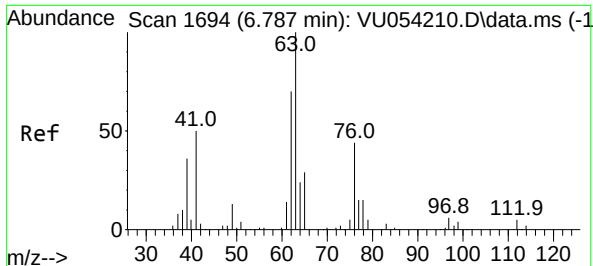
Ion Ratio Lower Upper

83 100

55 77.1 61.6 92.4

98 48.4 41.3 61.9





#37

1,2-Dichloropropane

Concen: 5.504 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

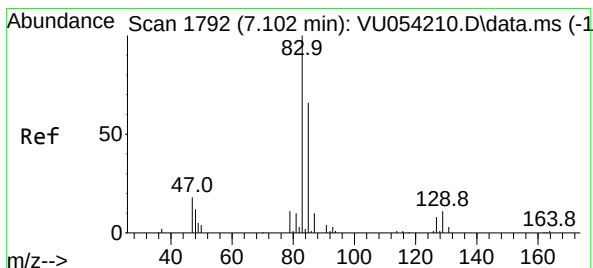
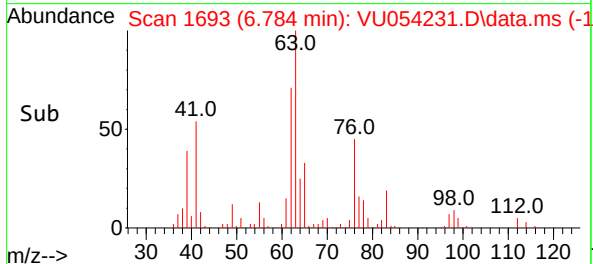
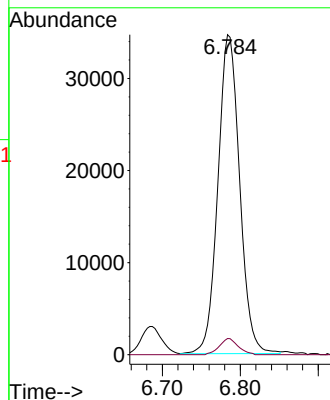
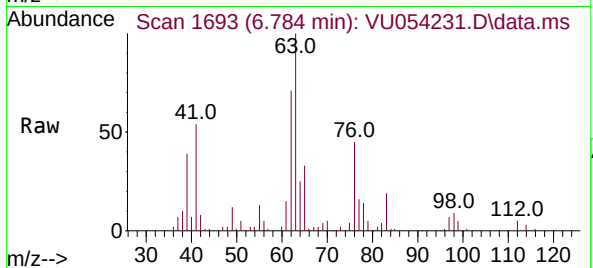
VSTD005170

Tgt Ion: 63 Resp: 67160

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 5.565 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

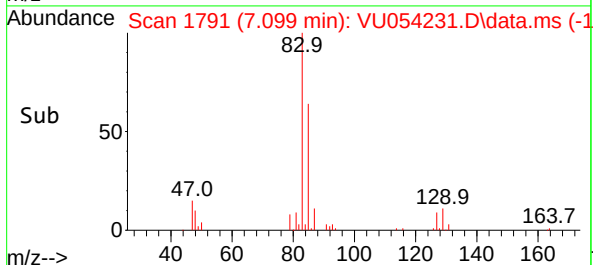
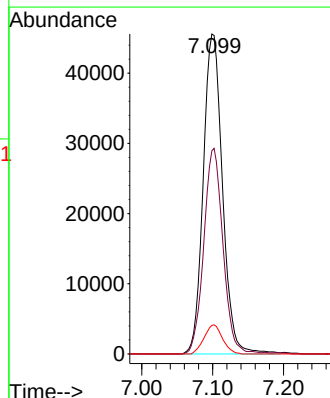
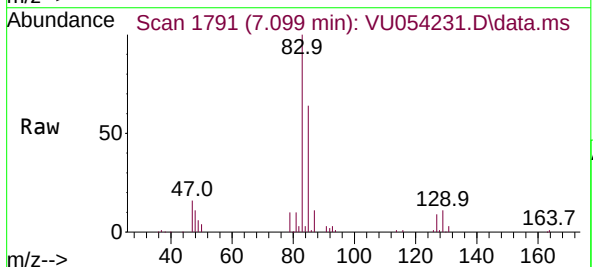
Tgt Ion: 83 Resp: 85997

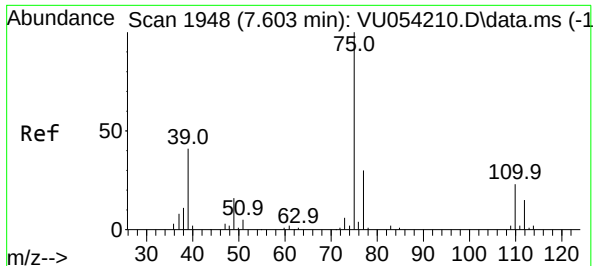
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.174 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

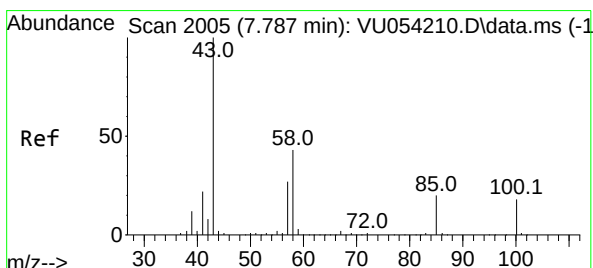
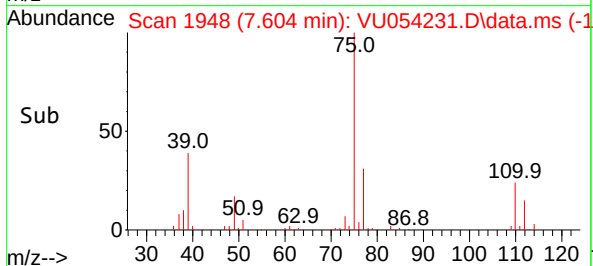
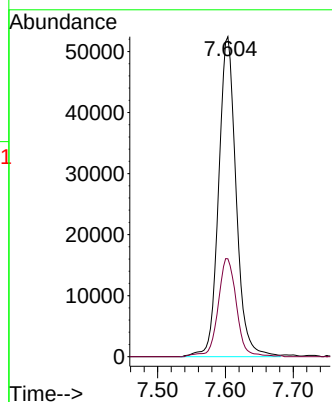
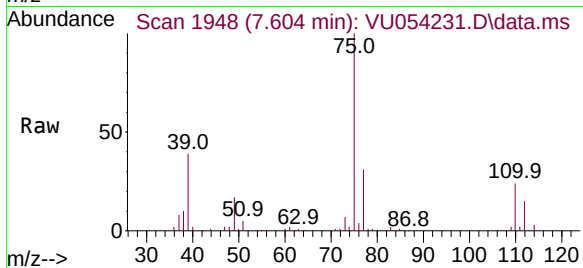
VSTD005170

Tgt Ion: 75 Resp: 94067

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 58.092 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

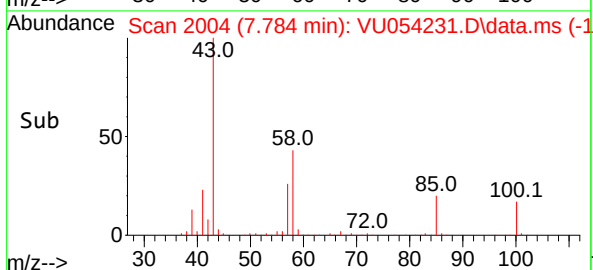
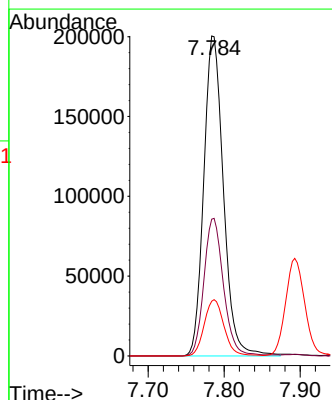
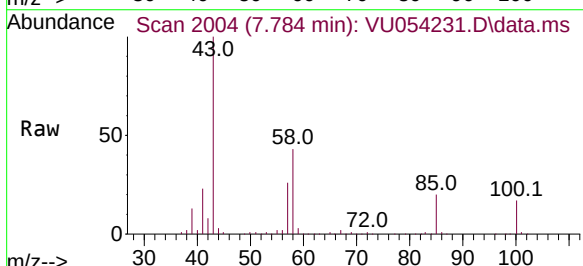
Tgt Ion: 43 Resp: 360854

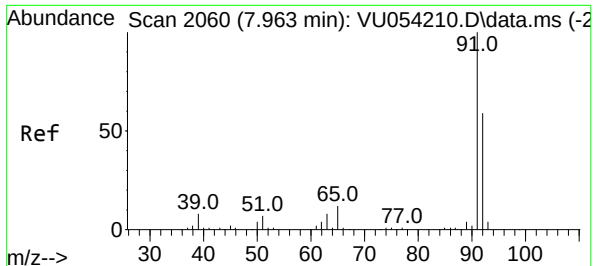
Ion Ratio Lower Upper

43 100

58 42.7 34.8 52.2

100 17.7 14.1 21.1





#42

Toluene

Concen: 5.577 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

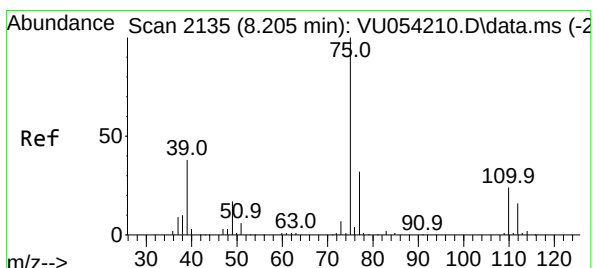
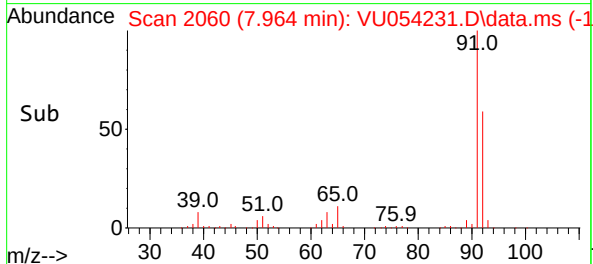
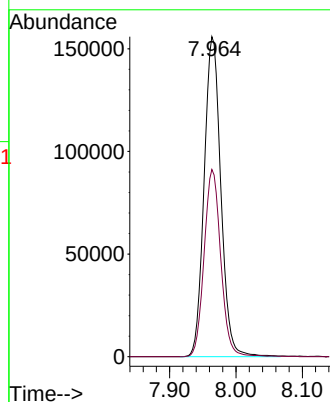
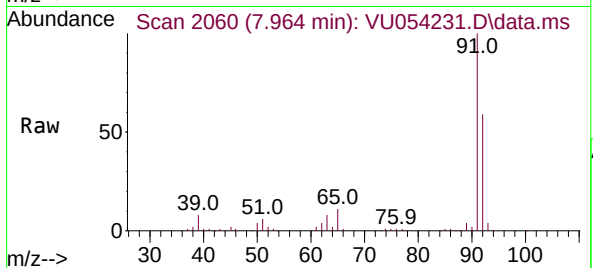
VSTD005170

Tgt Ion: 91 Resp: 273860

Ion Ratio Lower Upper

91 100

92 58.5 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 5.374 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054231.D

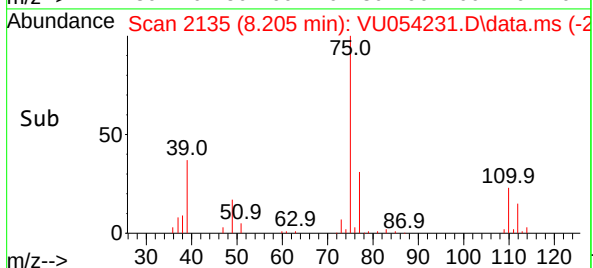
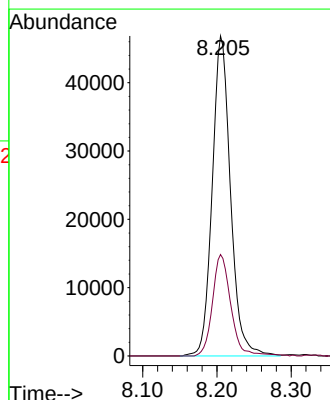
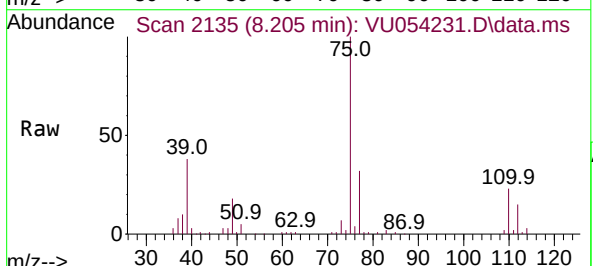
Acq: 19 May 2023 19:55

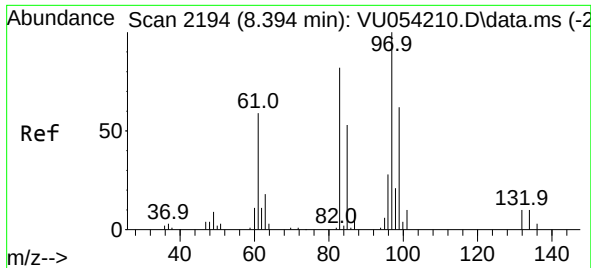
Tgt Ion: 75 Resp: 80201

Ion Ratio Lower Upper

75 100

77 31.7 20.8 38.6

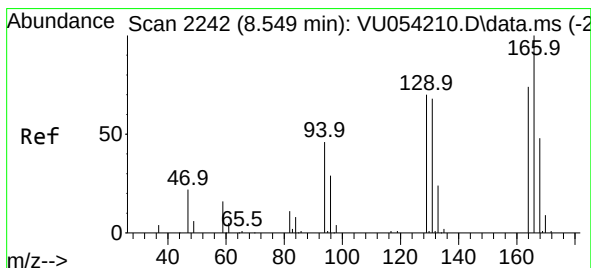
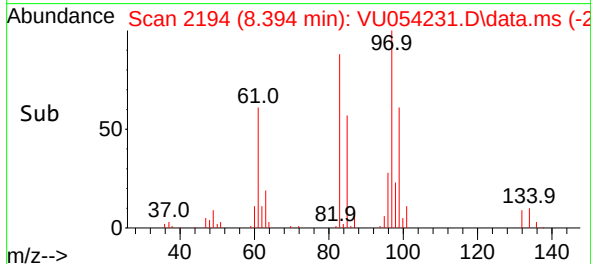
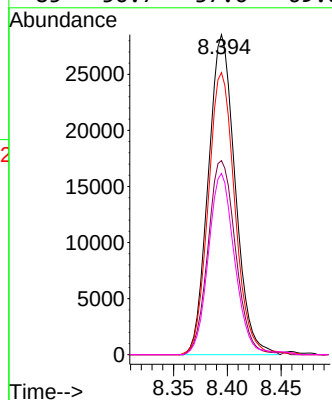
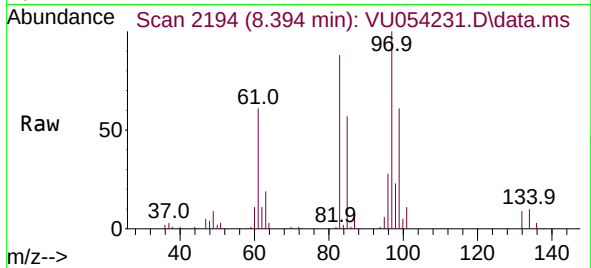




#45
1,1,2-Trichloroethane
Concen: 5.649 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

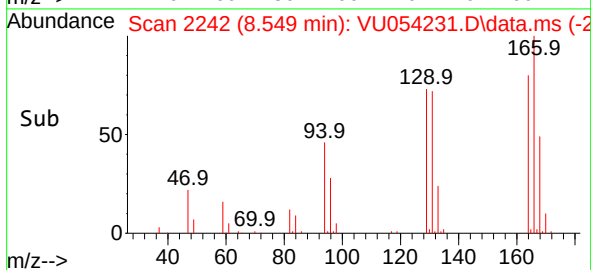
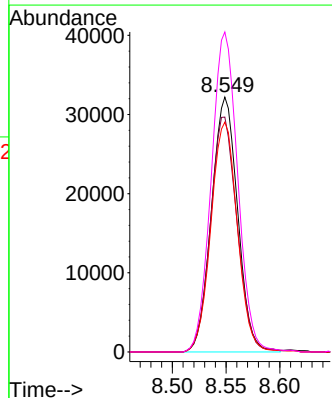
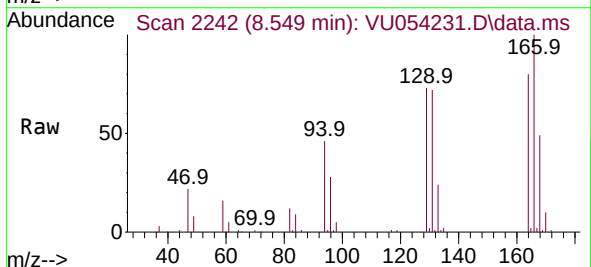
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

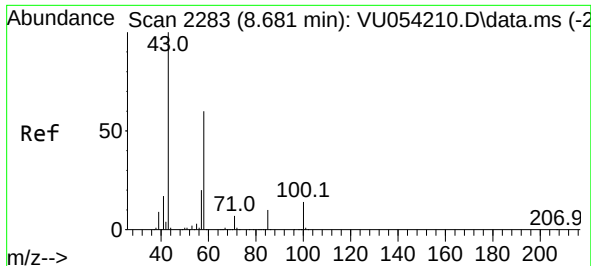
Tgt Ion:	97	Resp:	49681
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.0	79.8
83	88.2	59.1	109.9
85	56.7	37.6	69.8



#47
Tetrachloroethene
Concen: 5.306 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion:	164	Resp:	54502
Ion	Ratio	Lower	Upper
164	100		
129	92.2	63.3	117.7
131	90.2	61.0	113.4
166	125.6	88.6	164.6



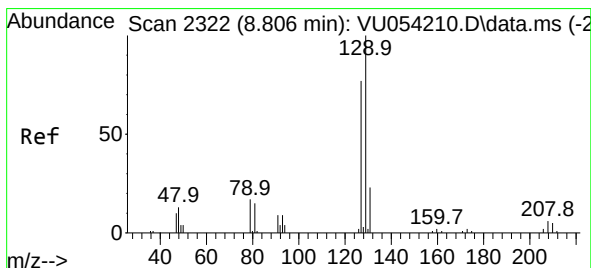
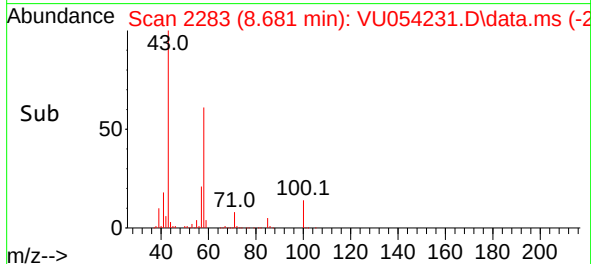
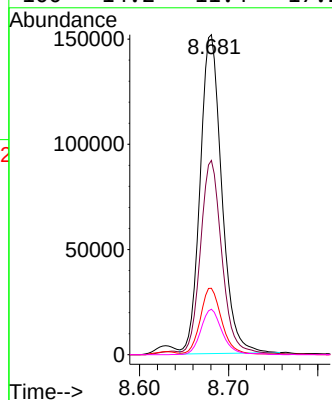
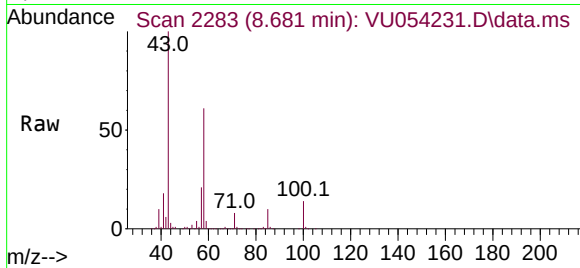


#48
2-Hexanone
Concen: 54.446 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

Tgt Ion: 43 Resp: 255709

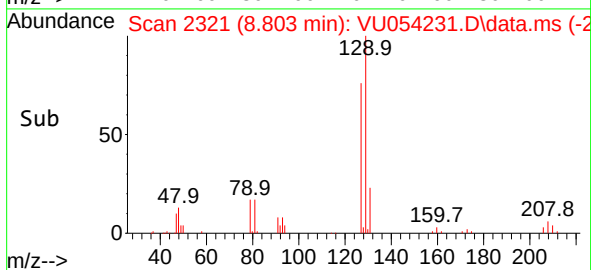
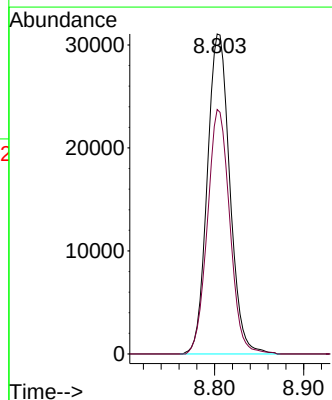
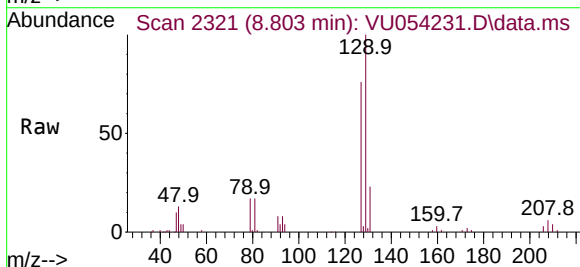
Ion	Ratio	Lower	Upper
43	100		
58	60.6	48.6	72.8
57	20.8	16.7	25.1
100	14.2	11.4	17.2

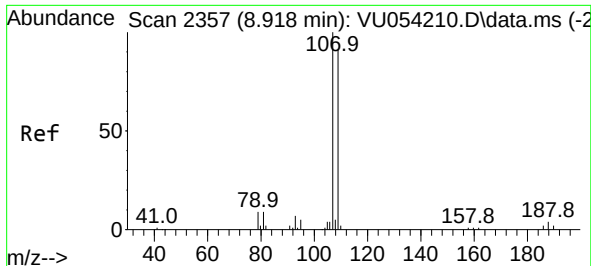


#49
Dibromochloromethane
Concen: 5.554 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 129 Resp: 54525

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.700 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

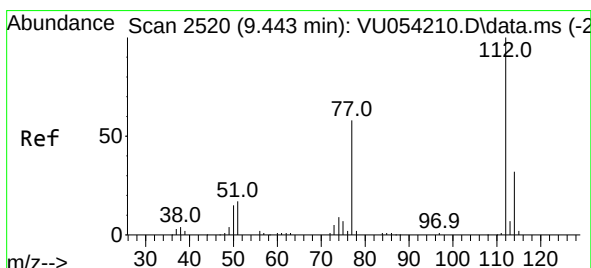
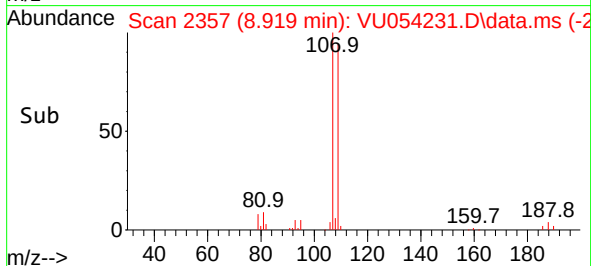
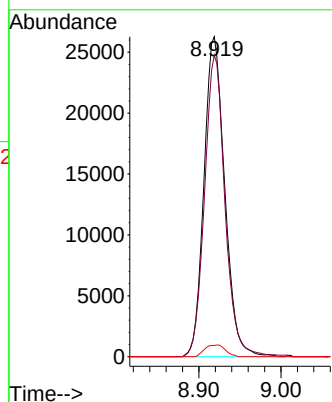
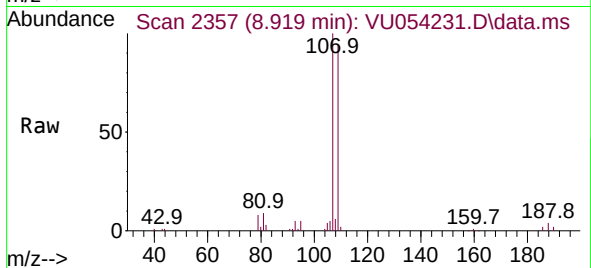
Tgt Ion:107 Resp: 46069

Ion Ratio Lower Upper

107 100

109 94.3 66.4 123.2

188 3.5 3.8 5.6#



#51

Chlorobenzene

Concen: 5.345 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

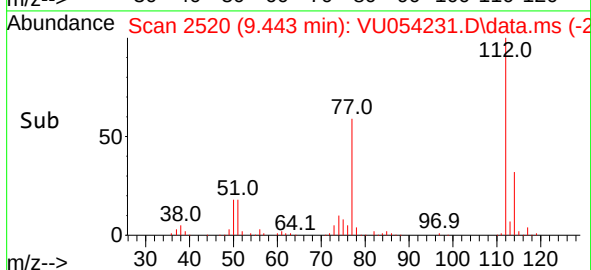
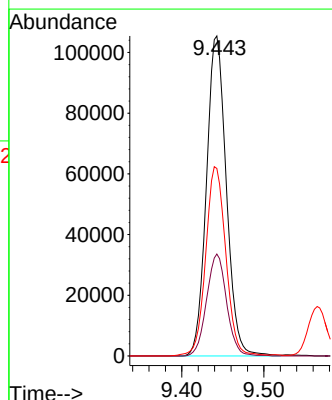
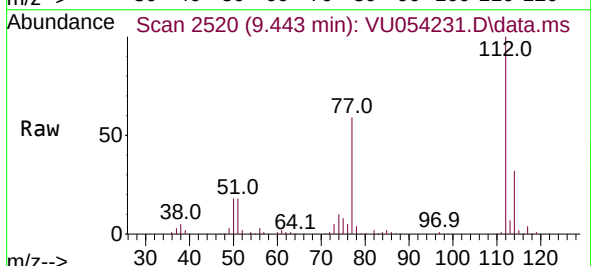
Tgt Ion:112 Resp: 177476

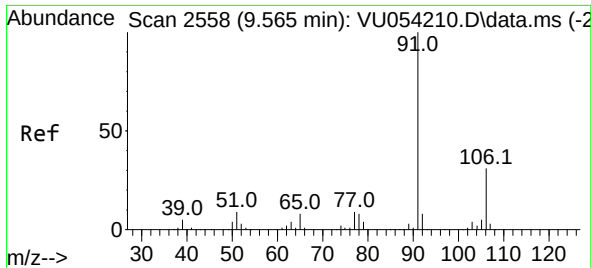
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 58.6 46.1 69.1

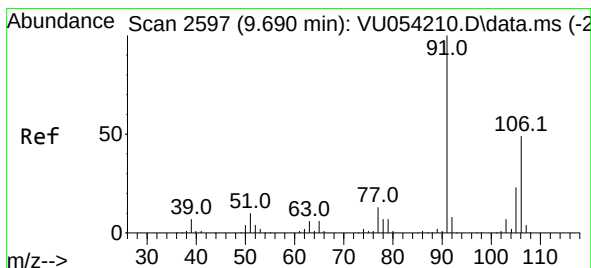
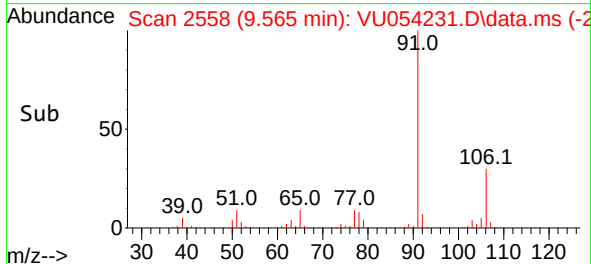
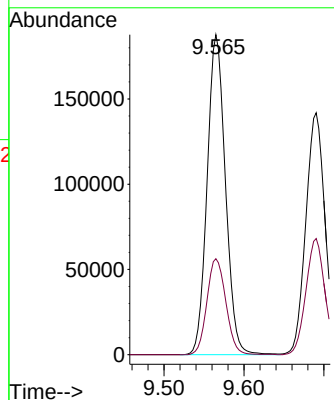
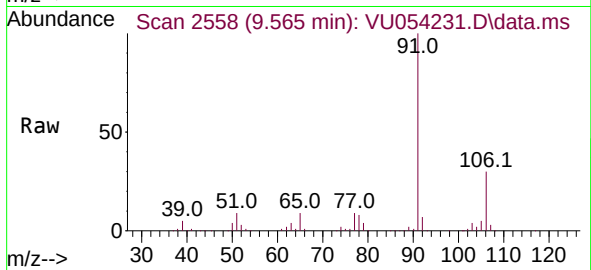




#52
Ethylbenzene
Concen: 5.458 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

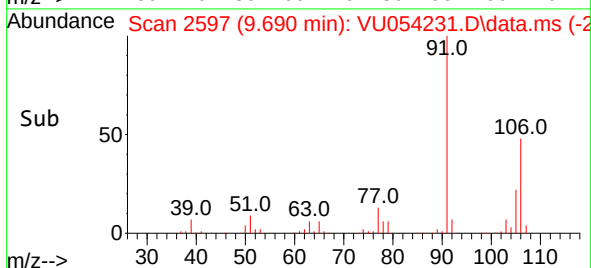
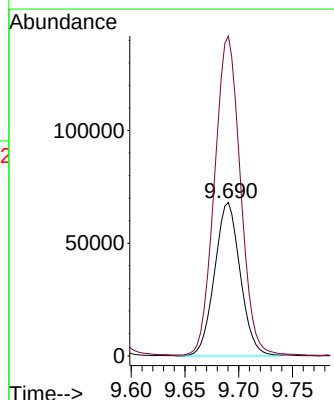
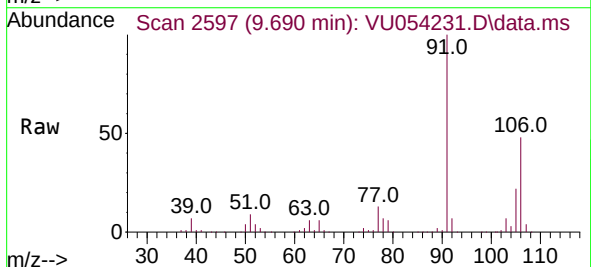
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

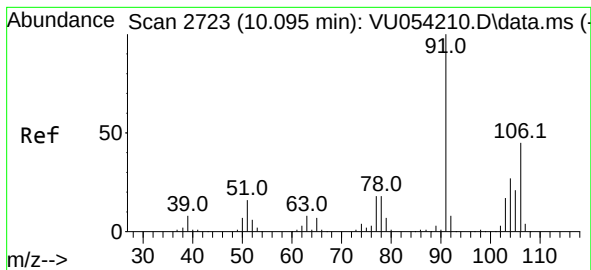
Tgt Ion: 91 Resp: 298706
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.5



#53
m,p-Xylene
Concen: 5.447 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 106 Resp: 113211
Ion Ratio Lower Upper
106 100
91 208.4 146.3 271.7





#54

o-Xylene

Concen: 5.420 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

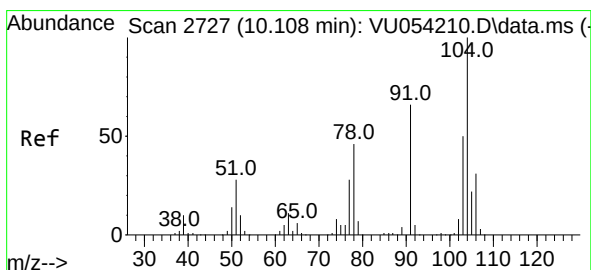
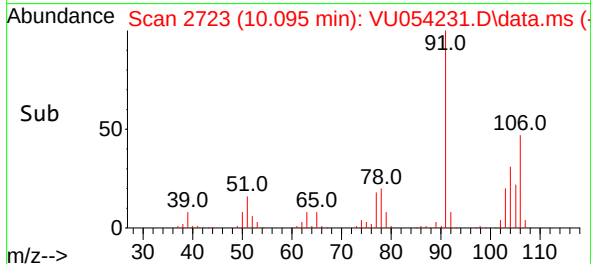
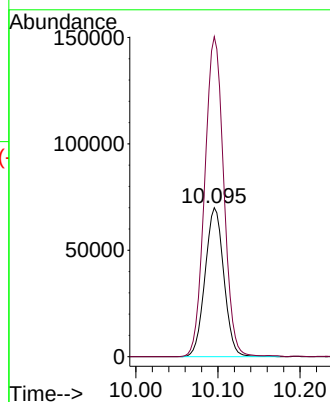
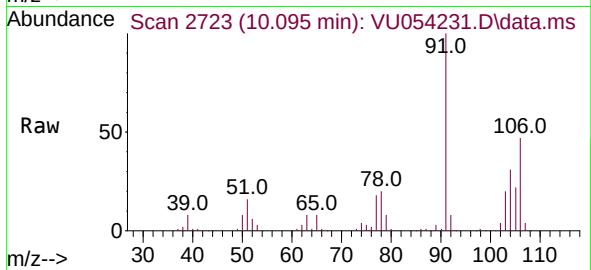
VSTD005170

Tgt Ion:106 Resp: 111250

Ion Ratio Lower Upper

106 100

91 214.9 153.6 285.3



#55

Styrene

Concen: 5.668 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054231.D

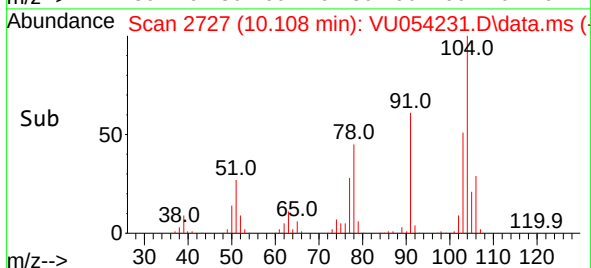
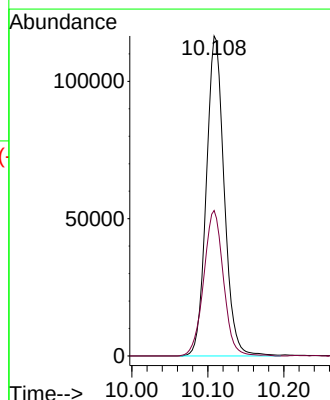
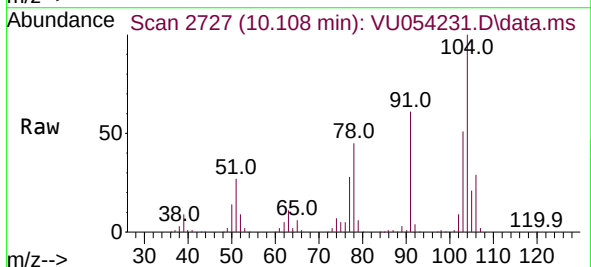
Acq: 19 May 2023 19:55

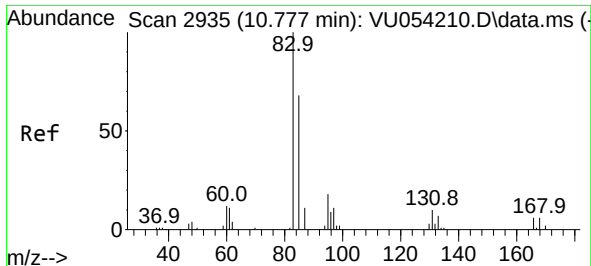
Tgt Ion:104 Resp: 190233

Ion Ratio Lower Upper

104 100

78 45.4 33.1 61.5

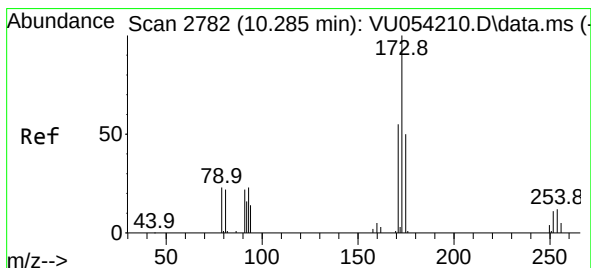
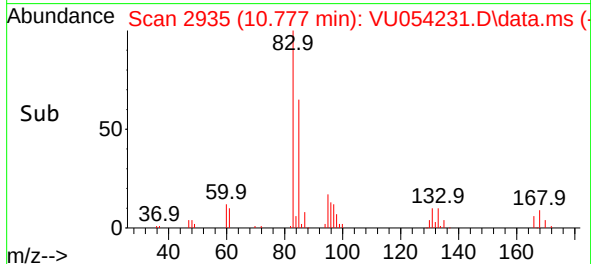
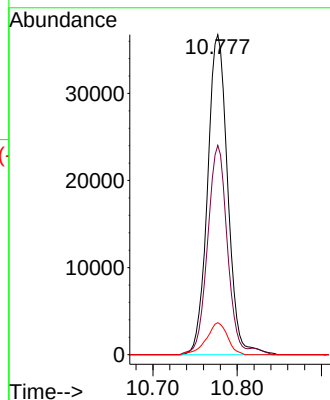
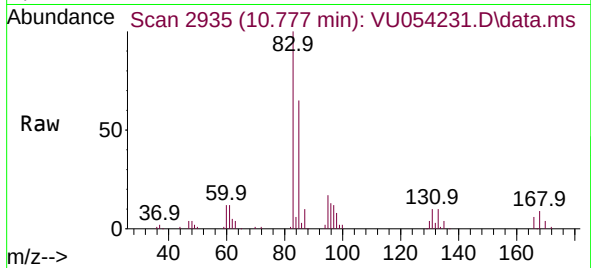




#57
1,1,2,2-Tetrachloroethane
Concen: 5.845 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

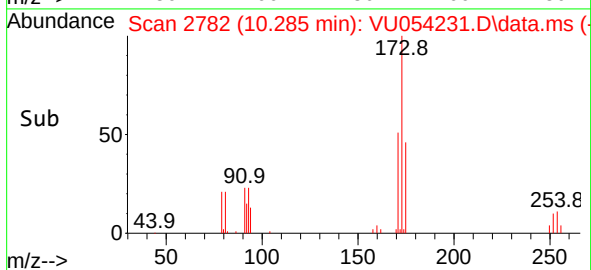
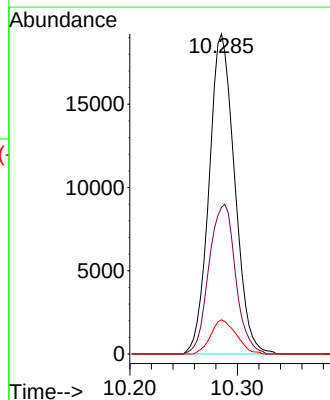
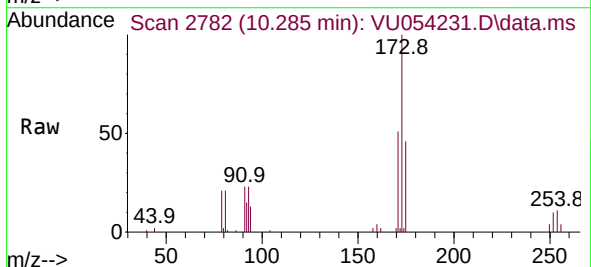
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

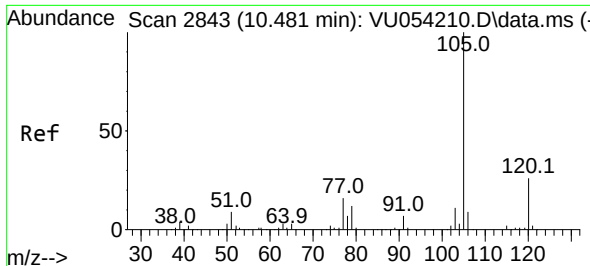
Tgt Ion: 83 Resp: 61035
Ion Ratio Lower Upper
83 100
85 65.4 44.8 83.2
131 10.0 8.1 12.1



#59
Bromoform
Concen: 5.490 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 173 Resp: 31734
Ion Ratio Lower Upper
173 100
175 48.6 38.6 58.0
254 10.7 7.9 11.9

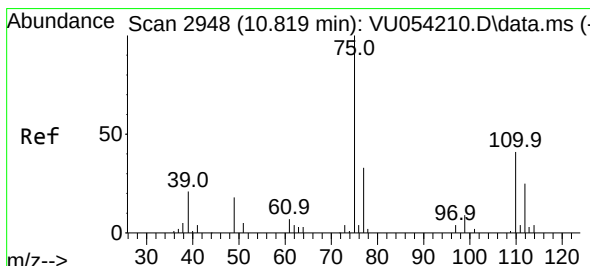
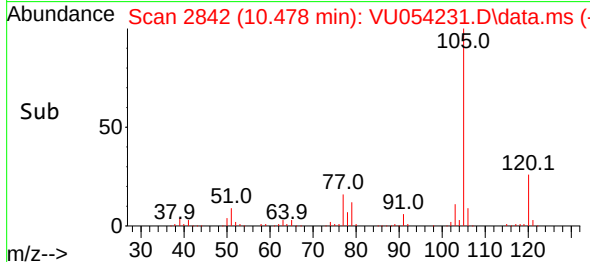
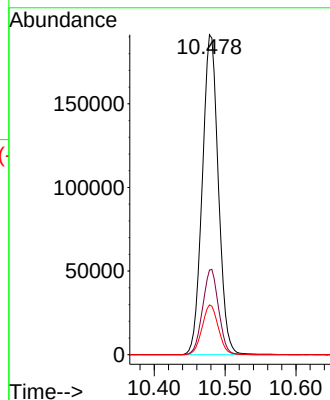
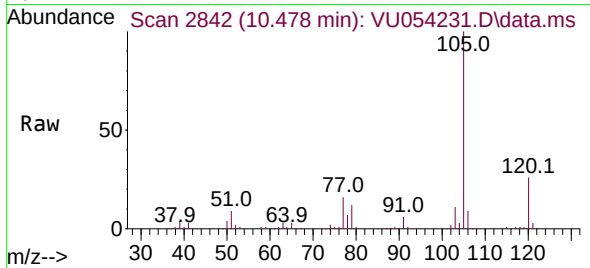




#60
Isopropylbenzene
Concen: 5.487 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

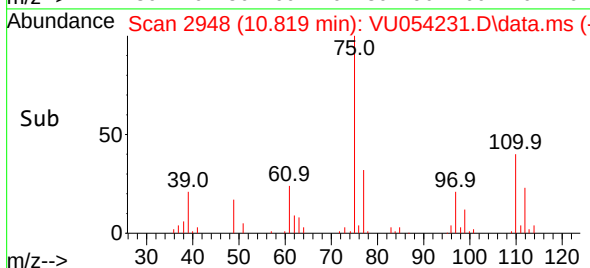
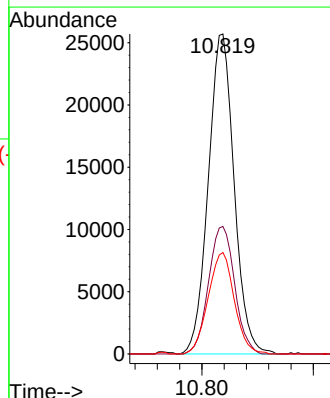
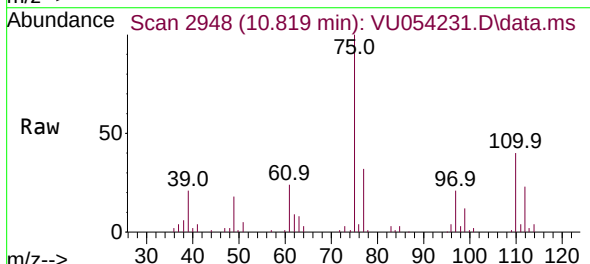
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

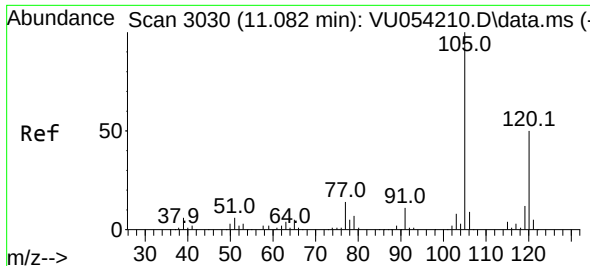
Tgt Ion:105 Resp: 300931
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 15.7 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.681 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 75 Resp: 41400
Ion Ratio Lower Upper
75 100
110 40.2 32.3 48.5
77 32.1 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.286 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

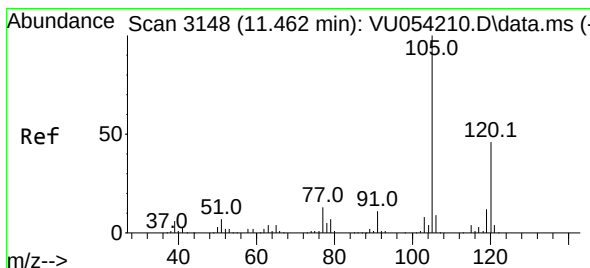
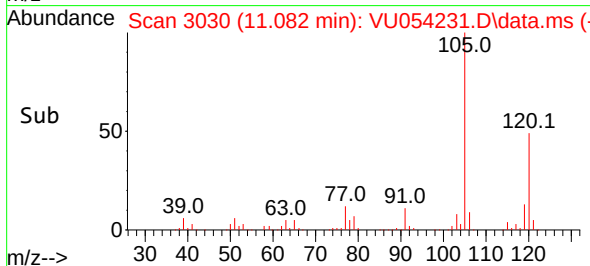
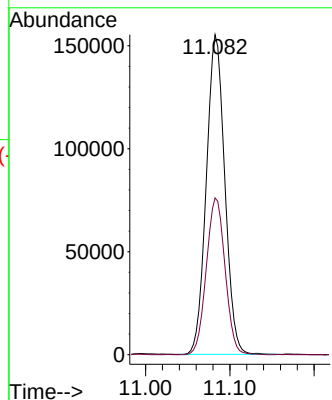
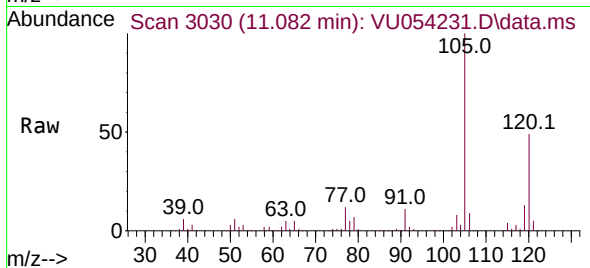
VSTD005170

Tgt Ion:105 Resp: 236634

Ion Ratio Lower Upper

105 100

120 49.9 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 5.558 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054231.D

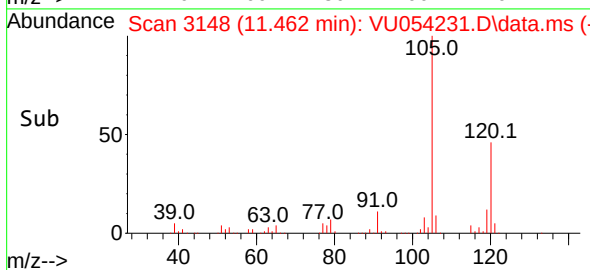
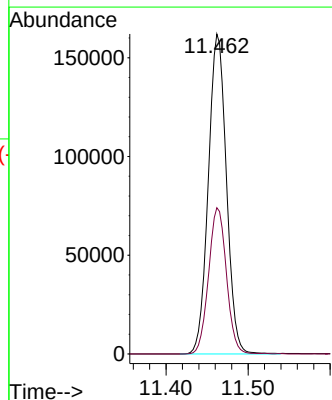
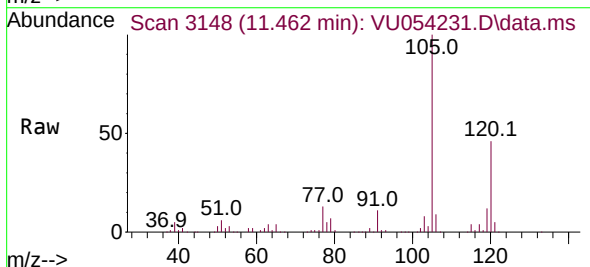
Acq: 19 May 2023 19:55

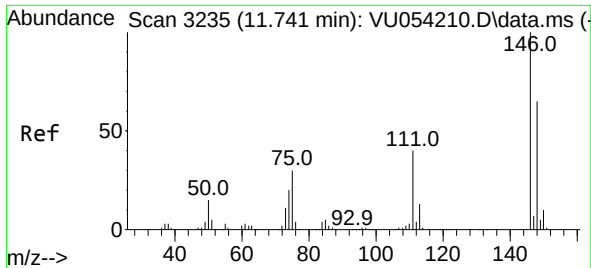
Tgt Ion:105 Resp: 248370

Ion Ratio Lower Upper

105 100

120 45.1 36.9 55.3

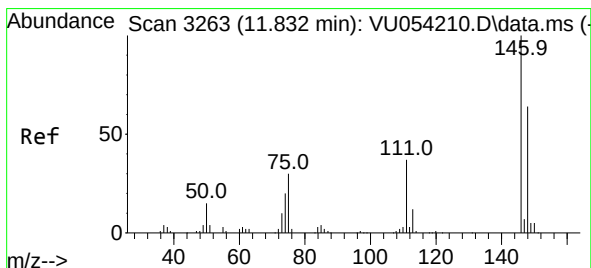
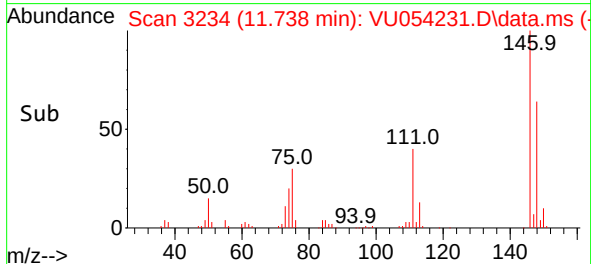
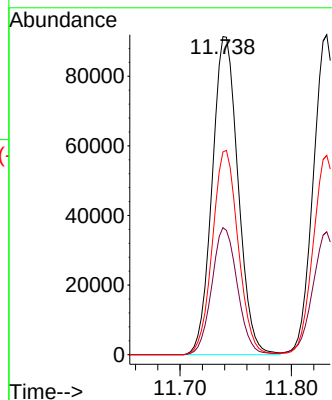
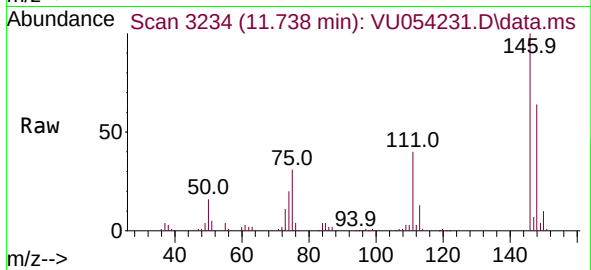




#64
1,3-Dichlorobenzene
Concen: 5.396 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

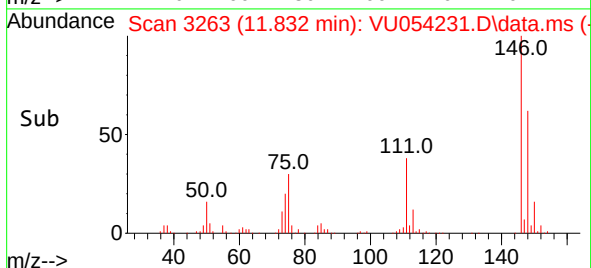
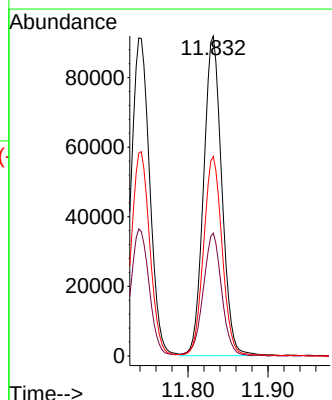
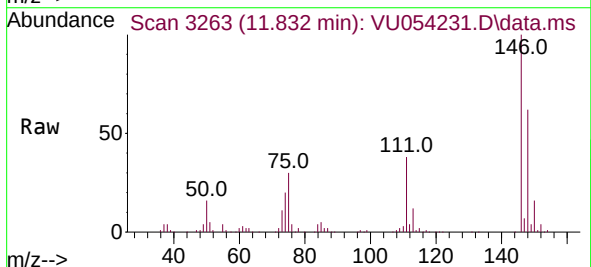
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

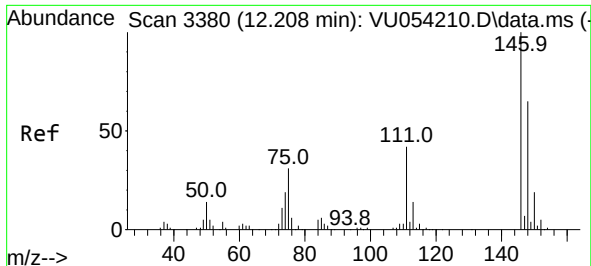
Tgt Ion:146 Resp: 147712
Ion Ratio Lower Upper
146 100
111 39.9 27.8 51.6
148 63.7 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.358 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion:146 Resp: 145704
Ion Ratio Lower Upper
146 100
111 38.4 26.6 49.4
148 62.3 43.8 81.3

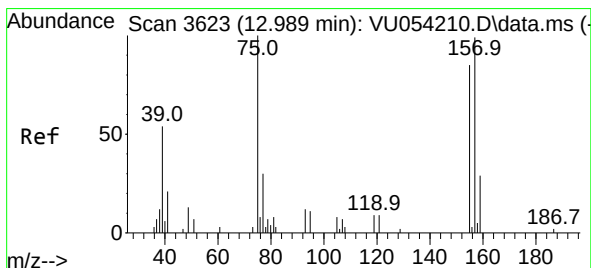
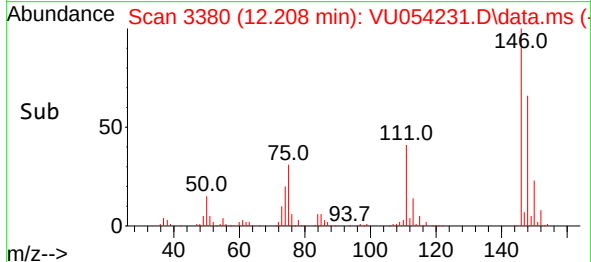
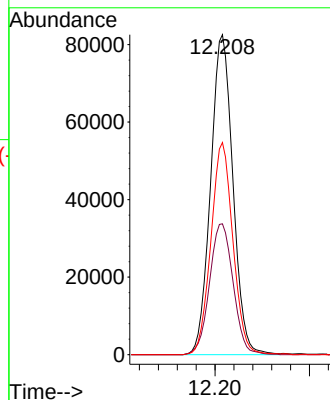
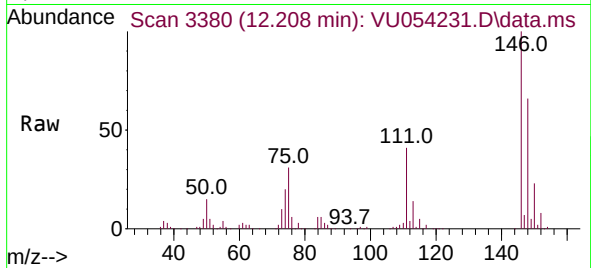




#67
1,2-Dichlorobenzene
Concen: 5.377 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

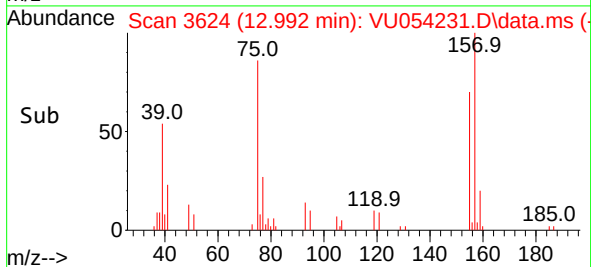
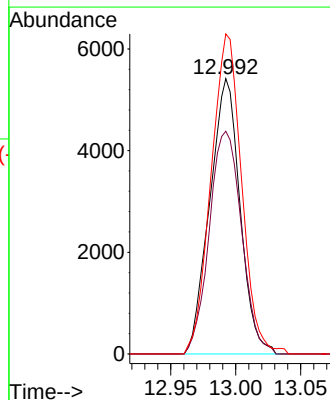
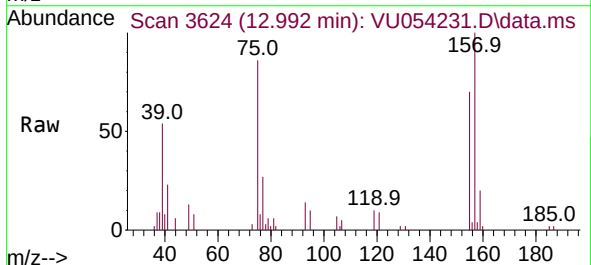
Instrument :
MSVOA_U
ClientSampleId :
VSTD005170

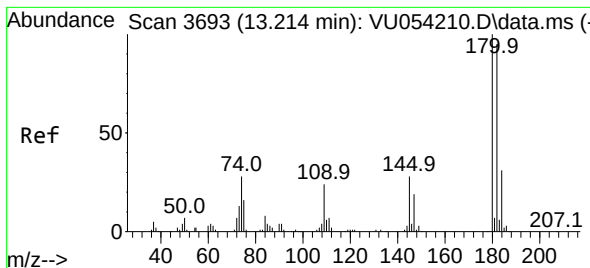
Tgt Ion:146 Resp: 135066
Ion Ratio Lower Upper
146 100
111 40.9 33.0 49.4
148 66.3 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.625 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU054231.D
Acq: 19 May 2023 19:55

Tgt Ion: 75 Resp: 8763
Ion Ratio Lower Upper
75 100
155 80.9 62.7 94.1
157 116.2 77.0 115.4#





#69

1,3,5-Trichlorobenzene

Concen: 5.194 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

Tgt Ion:180 Resp: 106081

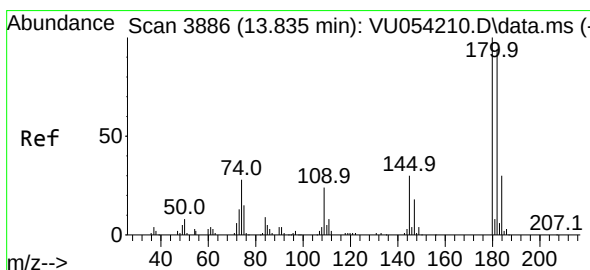
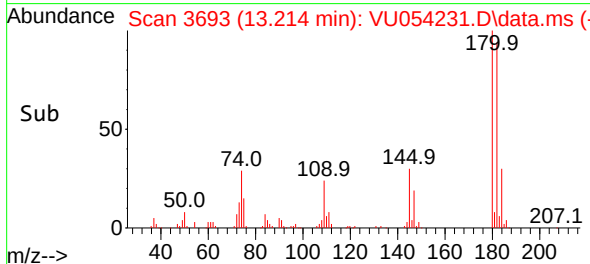
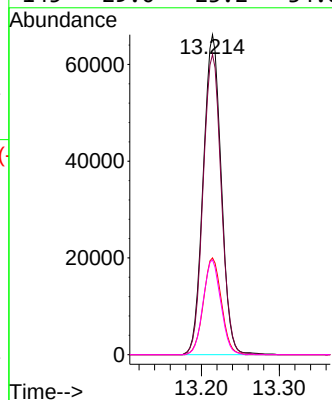
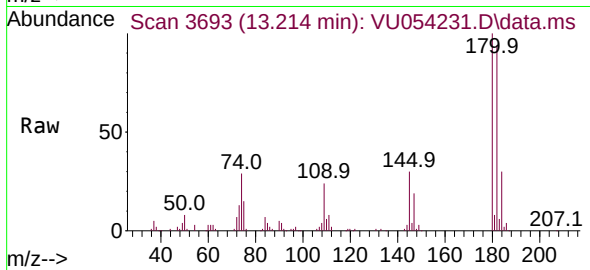
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

184 30.2 24.5 36.7

145 29.0 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.033 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

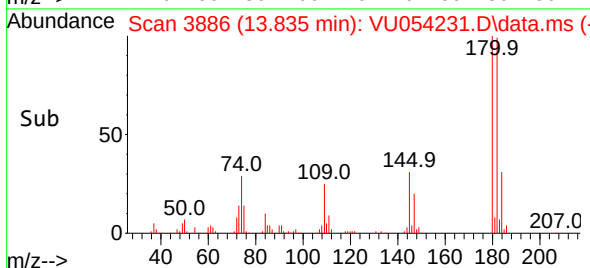
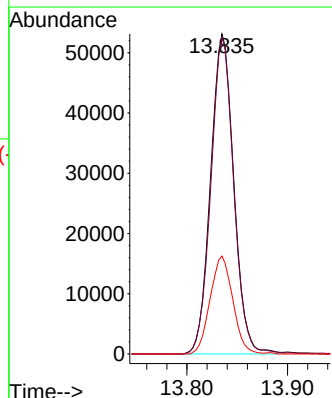
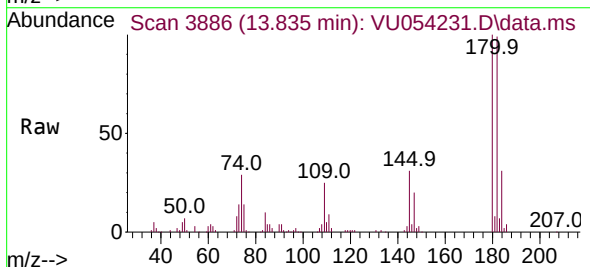
Tgt Ion:180 Resp: 85106

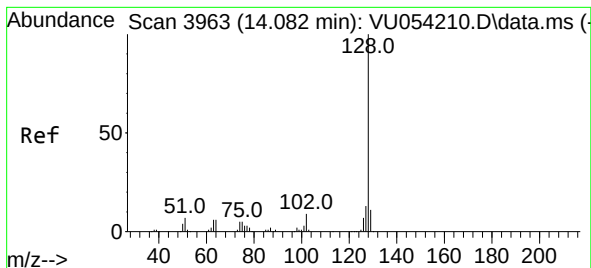
Ion Ratio Lower Upper

180 100

182 97.1 76.4 114.6

145 29.9 23.3 34.9





#71

Naphthalene

Concen: 5.316 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005170

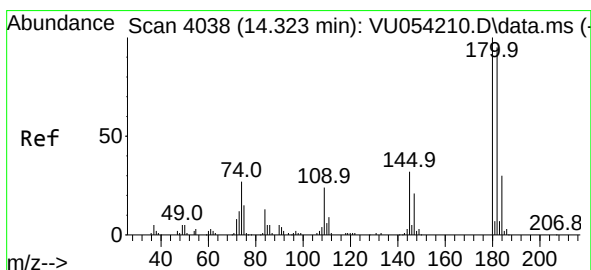
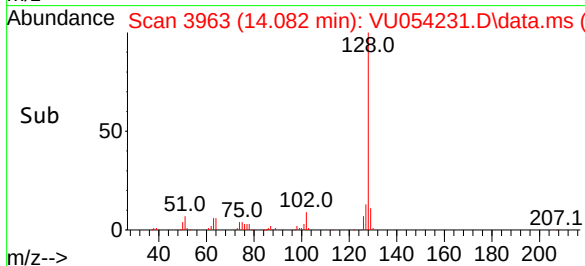
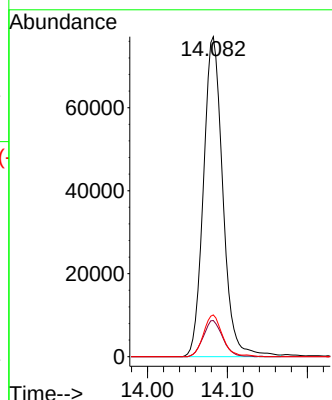
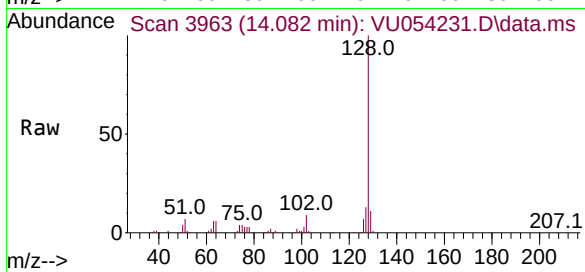
Tgt Ion:128 Resp: 130046

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.446 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU054231.D

Acq: 19 May 2023 19:55

Tgt Ion:180 Resp: 77955

Ion Ratio Lower Upper

180 100

182 96.7 76.4 114.6

145 31.1 25.1 37.7

