

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051923\
 Data File : VU054210.D
 Acq On : 19 May 2023 10:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

Quant Time: May 20 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	182140	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	168204	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	90918	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45937	4.678	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.912	69	35488	4.831	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.565	65	20041	4.519	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.636	46	88417	50.490	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.980%
24) Chloroform-d	5.057	84	88035	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.697	65	39813	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.722	84	166271	4.854	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.687	67	49980	5.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.893	98	156785	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.176	79	18870	4.719	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.400%
46) 2-Hexanone-d5	8.629	63	66339	55.716	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37135	5.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	54280	4.893	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	68153	4.949	ug/L	100
3) Chloromethane	1.517	50	64613	5.062	ug/L	99
5) Vinyl chloride	1.604	62	71853	5.299	ug/L	94
6) Bromomethane	1.858	94	41248	5.014	ug/L	97
8) Chloroethane	1.935	64	45055	5.245	ug/L	98
9) Trichlorofluoromethane	2.134	101	109607	5.088	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	64479	5.162	ug/L	98
12) 1,1-Dichloroethene	2.575	96	56508	5.069	ug/L	89
13) Acetone	2.649	43	93162	39.106	ug/L	97
14) Carbon disulfide	2.790	76	142776	5.098	ug/L	99
15) Methyl Acetate	2.954	43	23117	5.413	ug/L	100
16) Methylene chloride	3.041	84	67260	4.609	ug/L	95
17) Methyl tert-butyl Ether	3.359	73	146915	5.235	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	59300	5.230	ug/L	98
19) 1,1-Dichloroethane	3.864	63	118159	5.204	ug/L	98
21) 2-Butanone	4.710	43	152634	48.370	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	68244	5.147	ug/L	98
23) Bromochloromethane	4.970	128	30872	5.330	ug/L	95
25) Chloroform	5.083	83	125119	5.081	ug/L	97

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 Data File : VU054210.D
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 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

Quant Time: May 20 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
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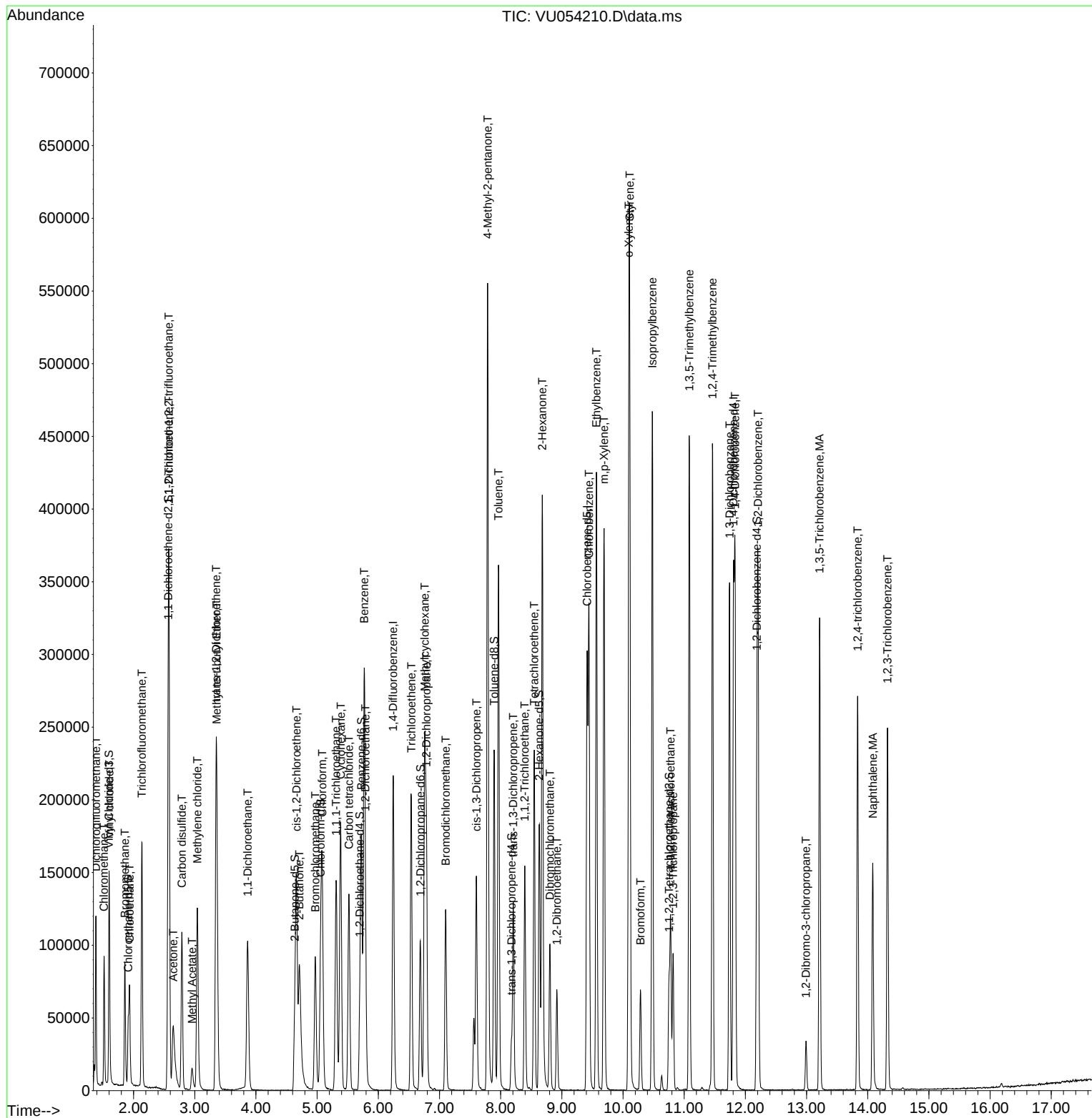
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	71037	5.017	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	108842	5.169	ug/L	100
30) Cyclohexane	5.385	56	91198	5.321	ug/L	96
31) Carbon tetrachloride	5.520	117	95399	5.224	ug/L	99
33) Benzene	5.771	78	251832	5.290	ug/L	100
34) Trichloroethene	6.539	95	69618	5.437	ug/L	97
35) Methylcyclohexane	6.758	83	90231	4.820	ug/L	99
37) 1,2-Dichloropropane	6.787	63	68064	5.445	ug/L	99
38) Bromodichloromethane	7.102	83	84418	5.333	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	91895	4.934	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	359985	56.572	ug/L	99
42) Toluene	7.963	91	269178	5.351	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	77395	5.063	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	48173	5.347	ug/L	98
47) Tetrachloroethene	8.549	164	53080	5.045	ug/L	94
48) 2-Hexanone	8.681	43	253025	52.591	ug/L	99
49) Dibromochloromethane	8.806	129	53928	5.362	ug/L	100
50) 1,2-Dibromoethane	8.918	107	46522	5.619	ug/L	96
51) Chlorobenzene	9.443	112	178541	5.249	ug/L	99
52) Ethylbenzene	9.565	91	300282	5.356	ug/L	98
53) m,p-Xylene	9.690	106	114455	5.375	ug/L	97
54) o-Xylene	10.095	106	112504	5.350	ug/L	99
55) Styrene	10.108	104	190635	5.544	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	57639	5.388	ug/L	95
59) Bromoform	10.285	173	32199	5.507	ug/L	99
60) Isopropylbenzene	10.481	105	301756	5.439	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	39693	5.385	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	245894	5.430	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	245621	5.434	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	145963	5.271	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	145152	5.277	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	135568	5.335	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	8976	5.696	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	105837	5.123	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	87863	5.137	ug/L	98
71) Naphthalene	14.082	128	132371	5.350	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	78573	5.427	ug/L	100

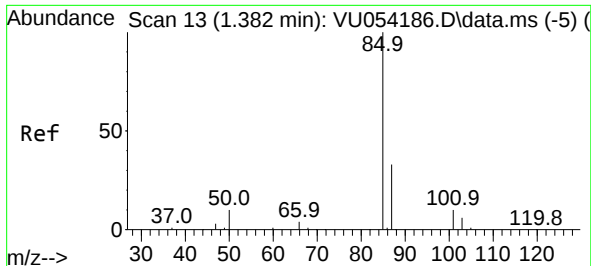
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 Data File : VU054210.D
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

Quant Time: May 20 02:03:38 2023
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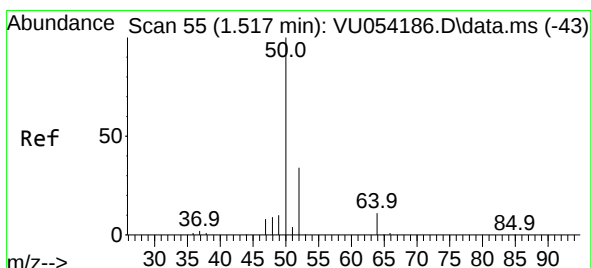
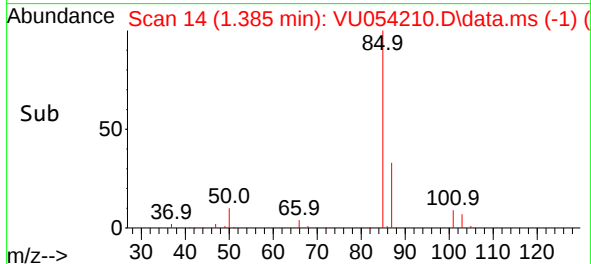
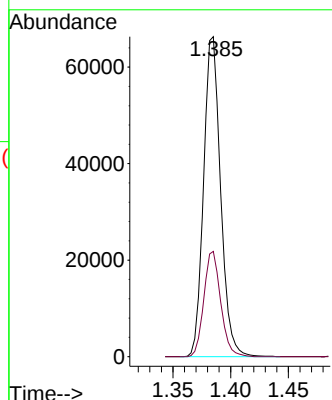
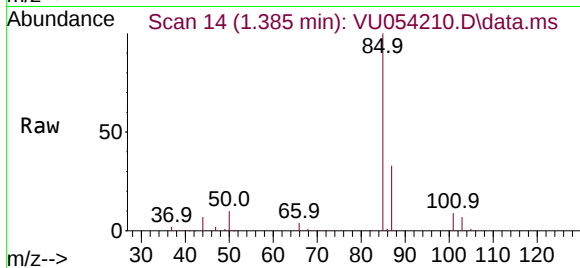




#2
Dichlorodifluoromethane
Concen: 4.949 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

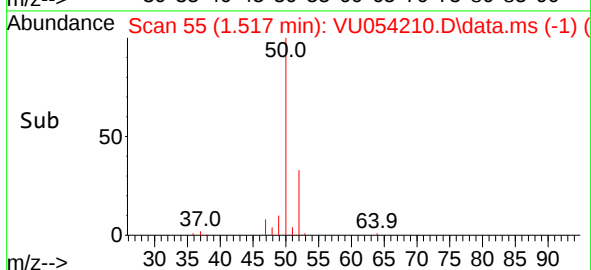
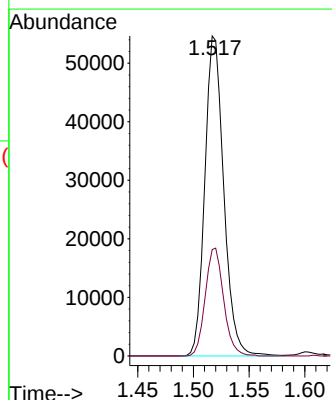
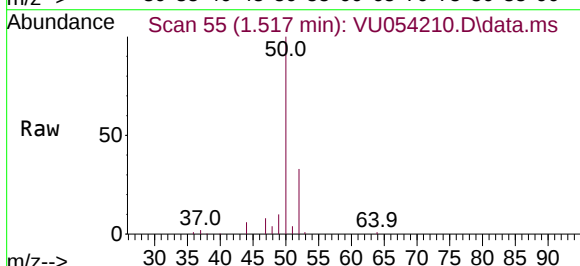
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

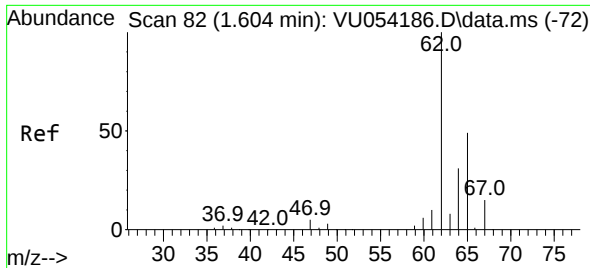
Tgt Ion: 85 Resp: 68153
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 5.062 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 50 Resp: 64613
Ion Ratio Lower Upper
50 100
52 33.2 23.7 44.1

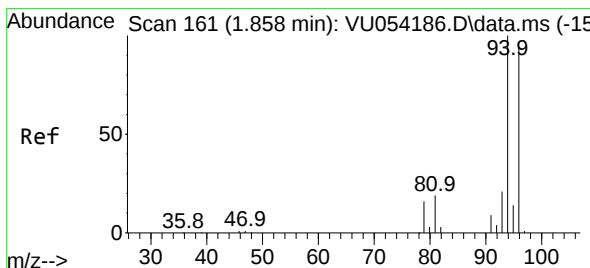
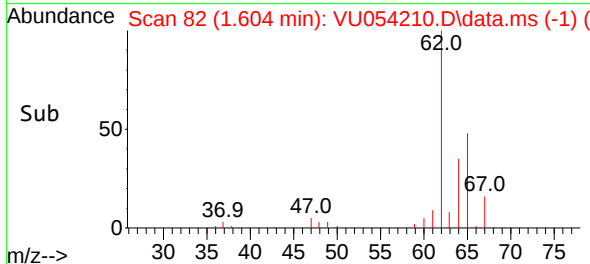
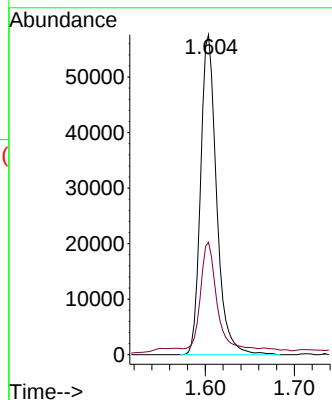
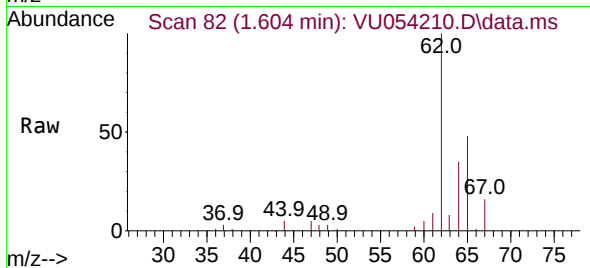




#5
 Vinyl chloride
 Concen: 5.299 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

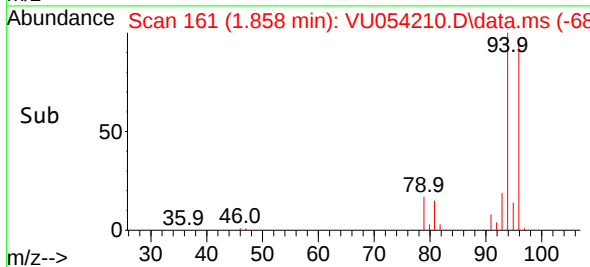
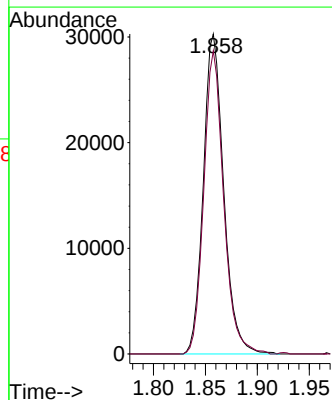
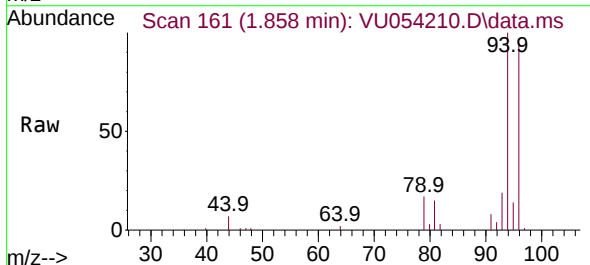
Instrument :
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 ClientSampleId :
 VSTD005169

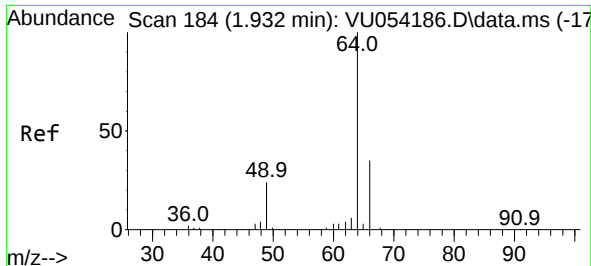
Tgt Ion: 62 Resp: 71853
 Ion Ratio Lower Upper
 62 100
 64 35.2 22.4 41.6



#6
 Bromomethane
 Concen: 5.014 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

Tgt Ion: 94 Resp: 41248
 Ion Ratio Lower Upper
 94 100
 96 94.7 68.7 127.5





#8

Chloroethane

Concen: 5.245 ug/L

RT: 1.935 min Scan# 184

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

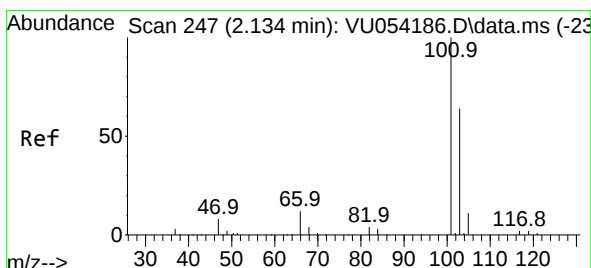
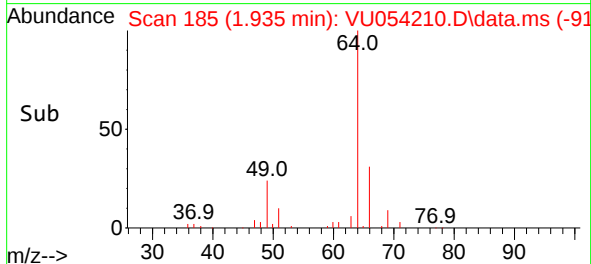
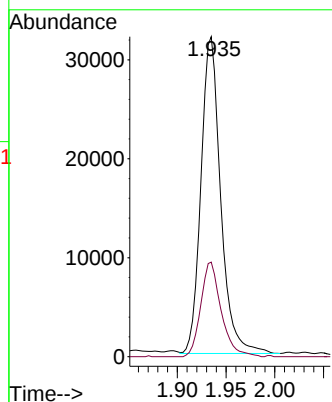
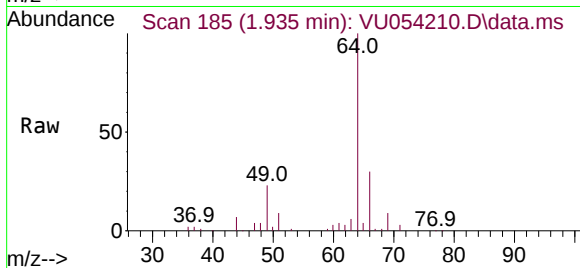
VSTD005169

Tgt Ion: 64 Resp: 45055

Ion Ratio Lower Upper

64 100

66 29.5 21.6 40.0



#9

Trichlorofluoromethane

Concen: 5.088 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU054210.D

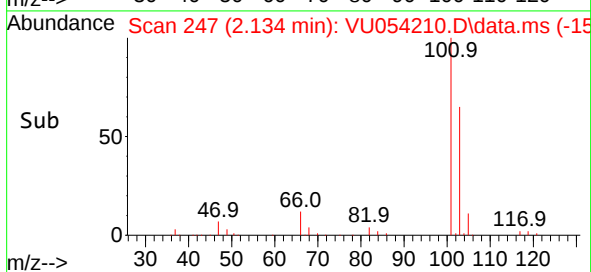
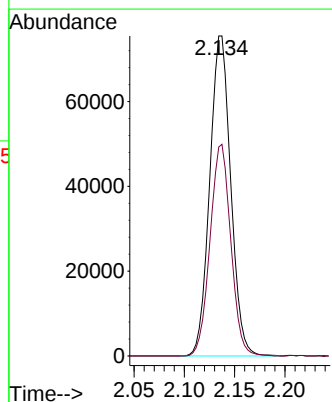
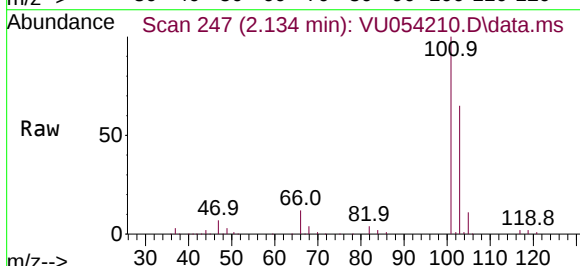
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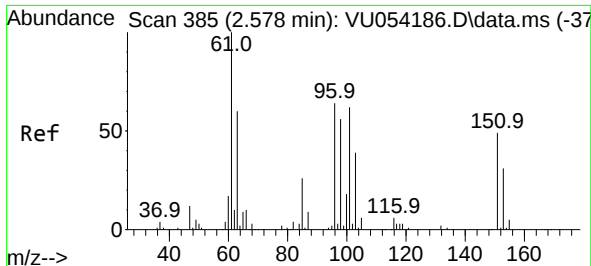
Tgt Ion:101 Resp: 109607

Ion Ratio Lower Upper

101 100

103 65.3 51.0 76.6

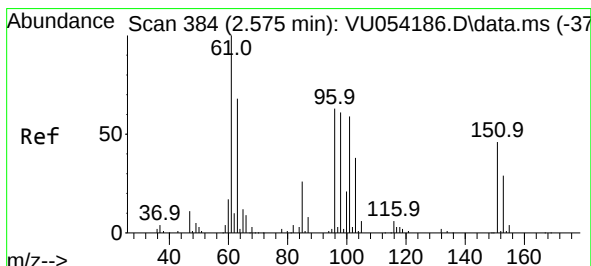
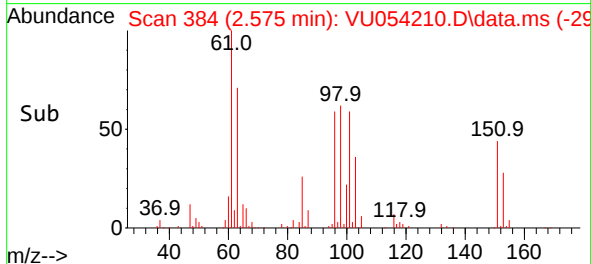
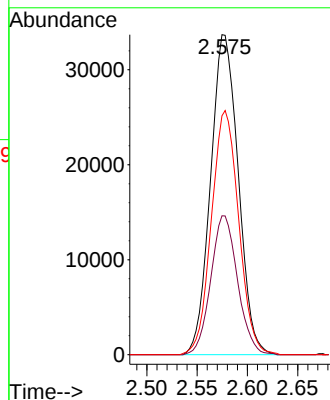
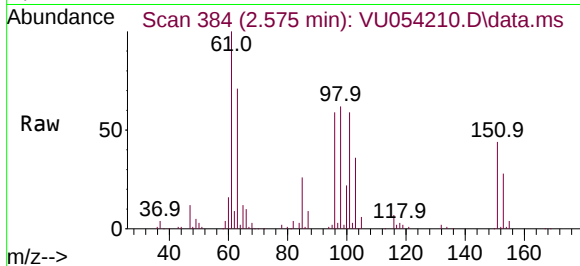




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.162 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

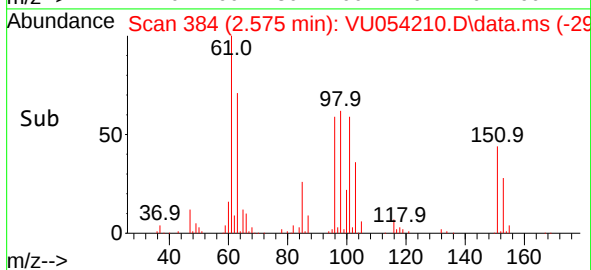
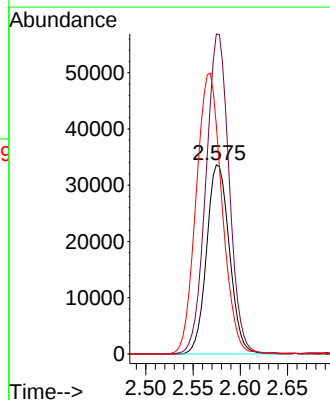
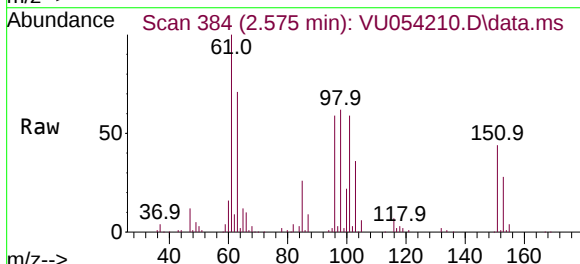
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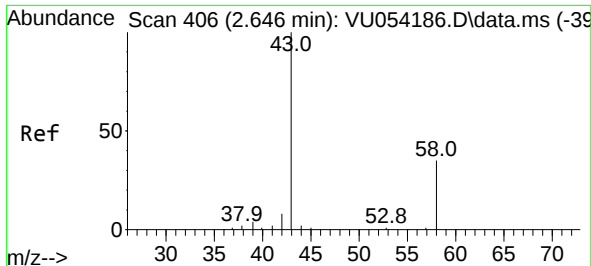
Tgt Ion:101 Resp: 64479
Ion Ratio Lower Upper
101 100
85 42.0 35.0 52.4
151 75.3 59.0 88.6



#12
1,1-Dichloroethene
Concen: 5.069 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 96 Resp: 56508
Ion Ratio Lower Upper
96 100
61 169.3 114.7 212.9
63 120.8 68.6 127.4





#13

Acetone

Concen: 39.106 ug/L

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

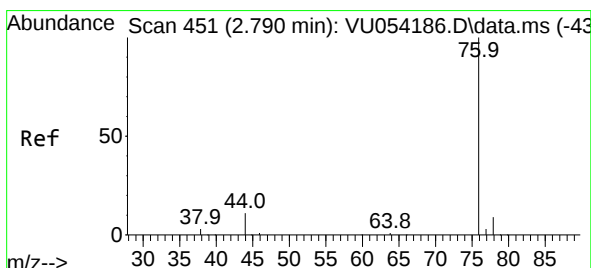
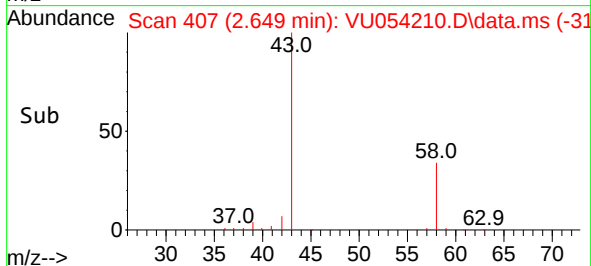
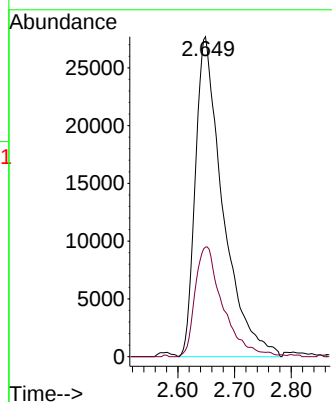
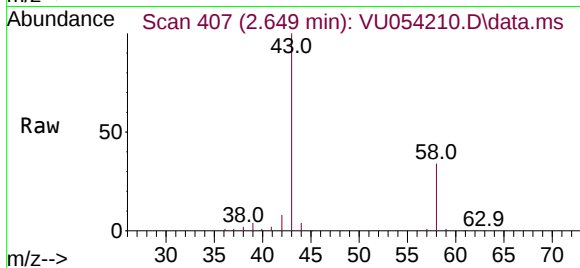
VSTD005169

Tgt Ion: 43 Resp: 93162

Ion Ratio Lower Upper

43 100

58 34.8 0.0 73.2



#14

Carbon disulfide

Concen: 5.098 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054210.D

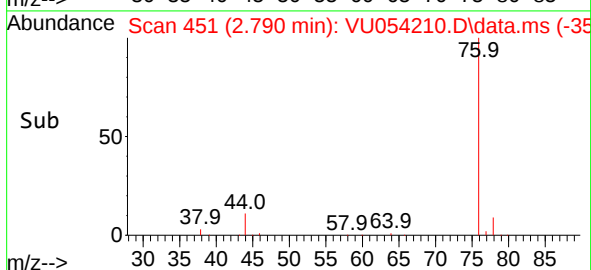
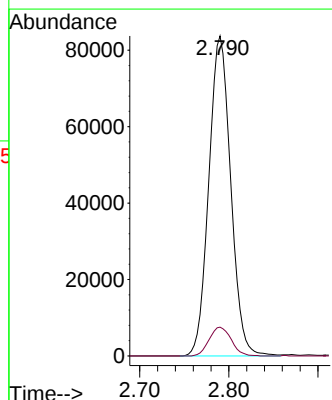
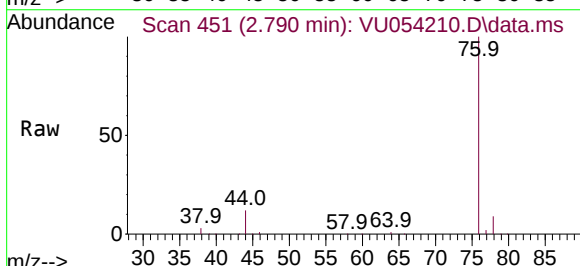
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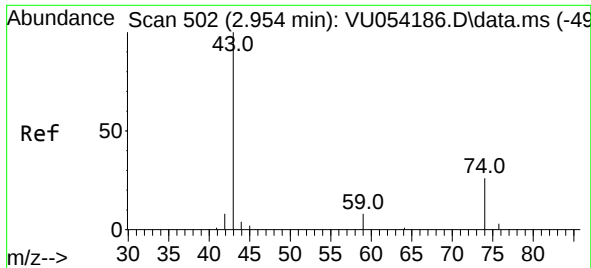
Tgt Ion: 76 Resp: 142776

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

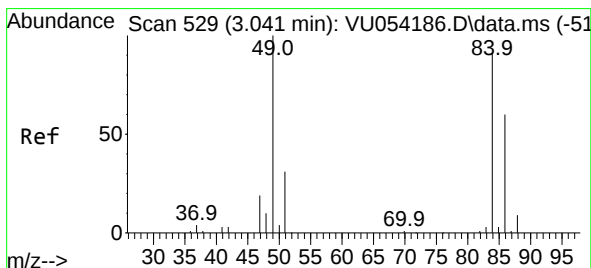
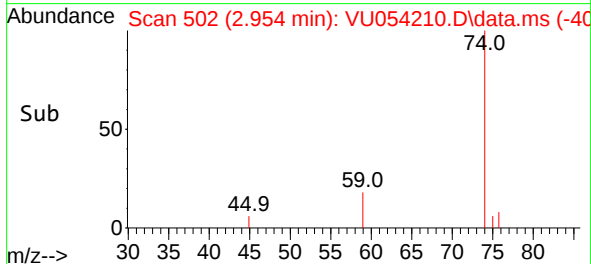
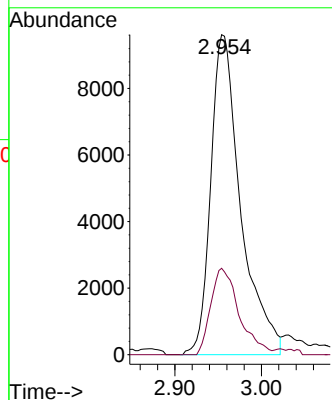
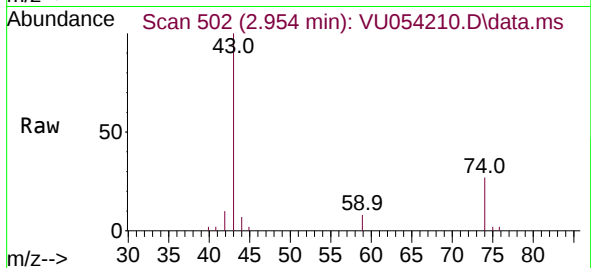




#15
Methyl Acetate
Concen: 5.413 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

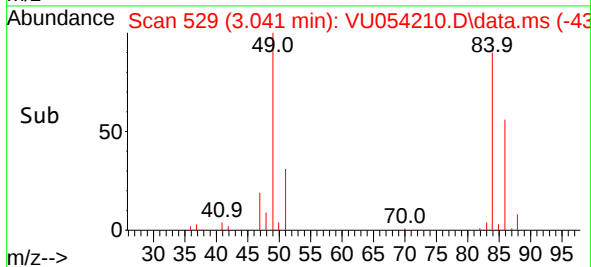
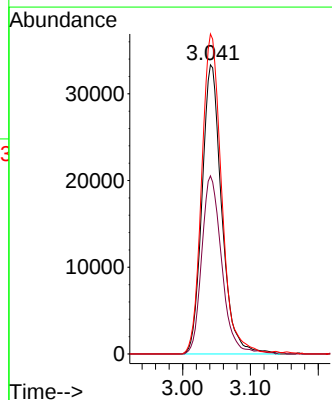
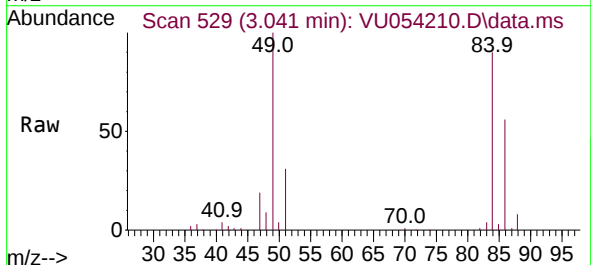
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

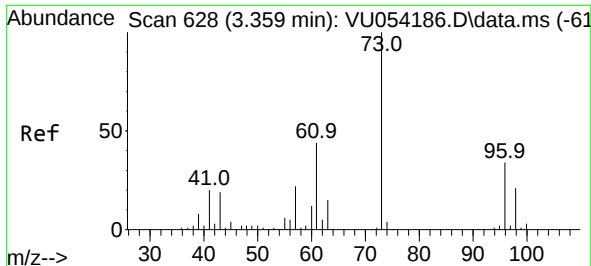
Tgt Ion: 43 Resp: 23117
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 4.609 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 84 Resp: 67260
Ion Ratio Lower Upper
84 100
86 61.6 45.5 84.5
49 110.7 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 5.235 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005169

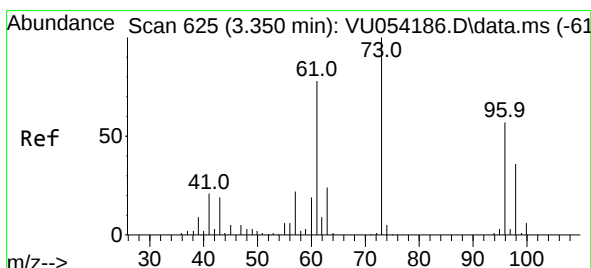
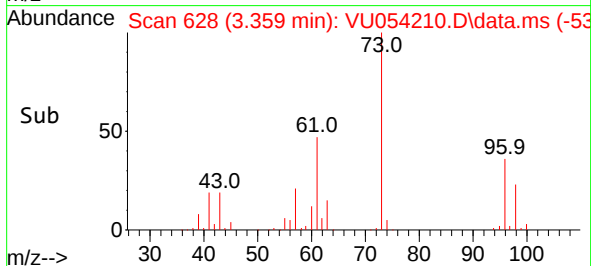
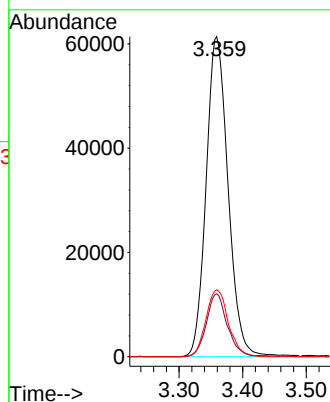
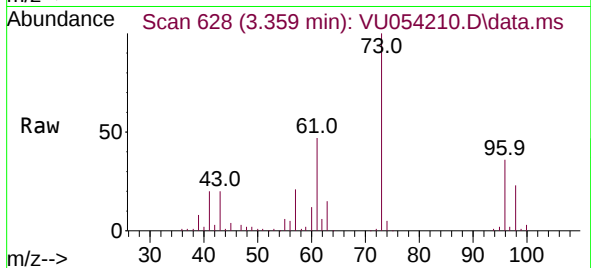
Tgt Ion: 73 Resp: 146915

Ion Ratio Lower Upper

73 100

43 18.7 14.6 22.0

57 21.3 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.230 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

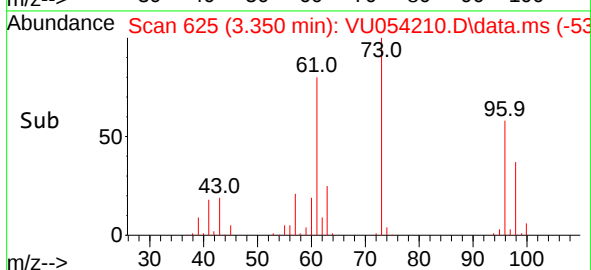
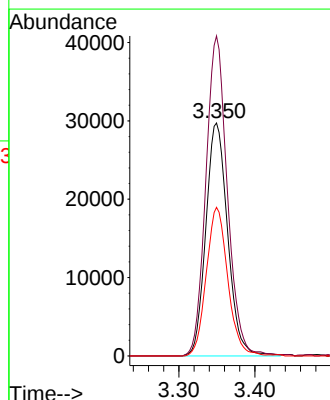
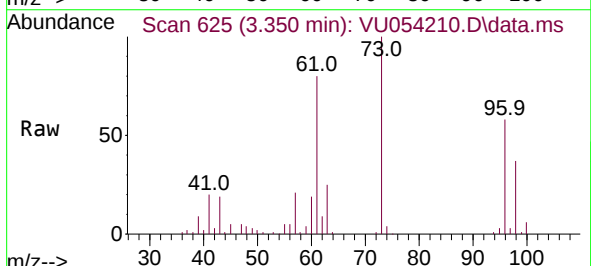
Tgt Ion: 96 Resp: 59300

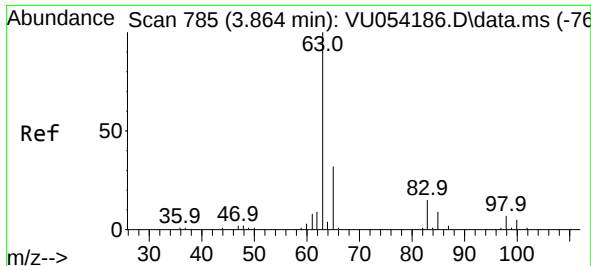
Ion Ratio Lower Upper

96 100

61 137.3 94.1 174.8

98 63.8 45.3 84.1

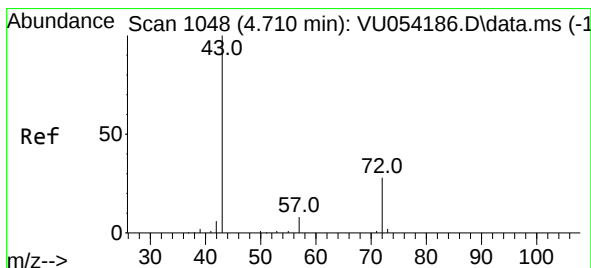
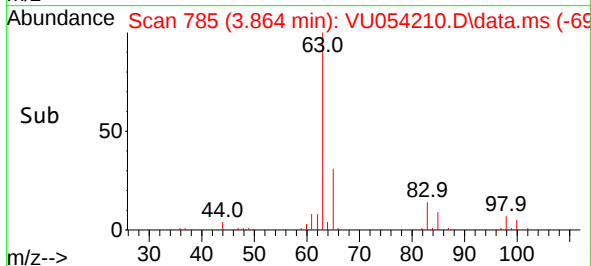
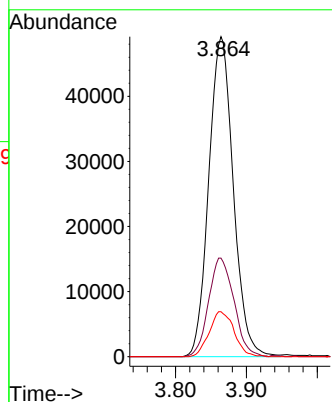
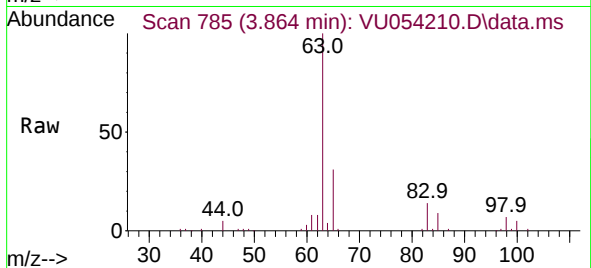




#19
1,1-Dichloroethane
Concen: 5.204 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

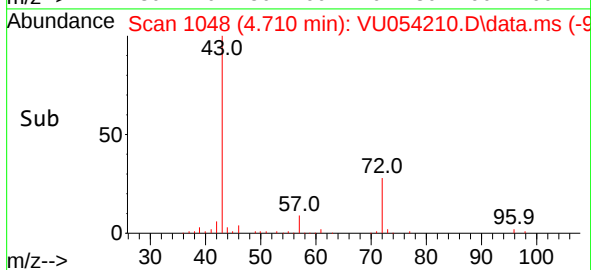
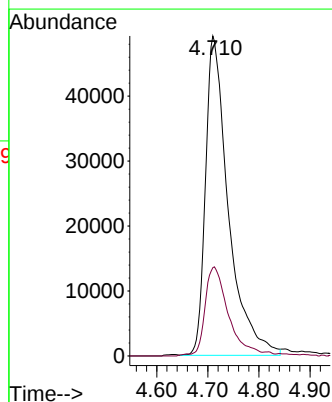
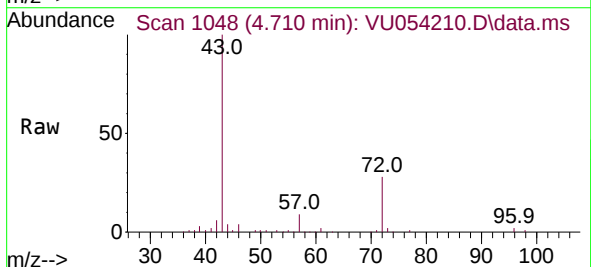
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

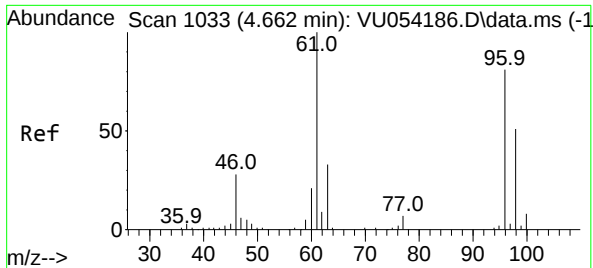
Tgt Ion: 63 Resp: 118159
Ion Ratio Lower Upper
63 100
65 30.8 20.7 38.5
83 14.1 10.1 18.7



#21
2-Butanone
Concen: 48.370 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 43 Resp: 152634
Ion Ratio Lower Upper
43 100
72 26.6 14.2 42.8

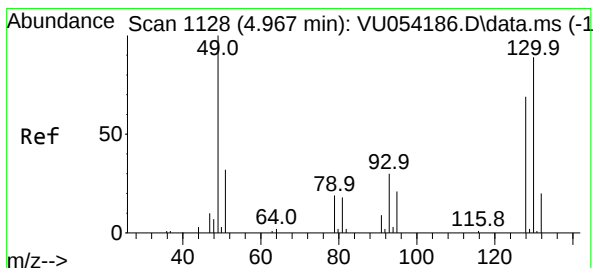
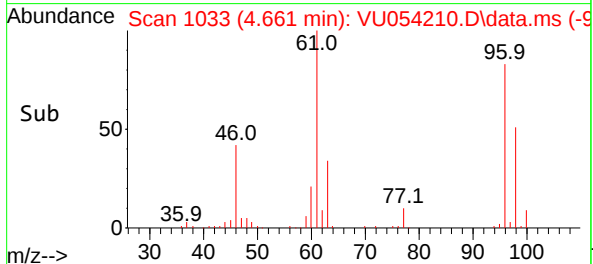
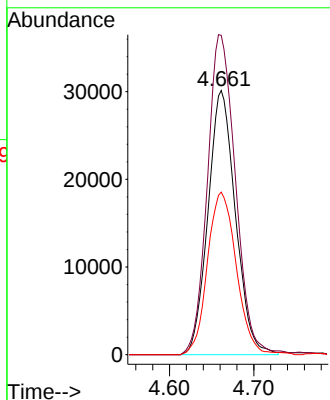
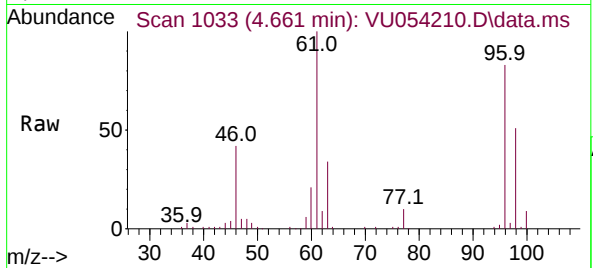




#22
 cis-1,2-Dichloroethene
 Concen: 5.147 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

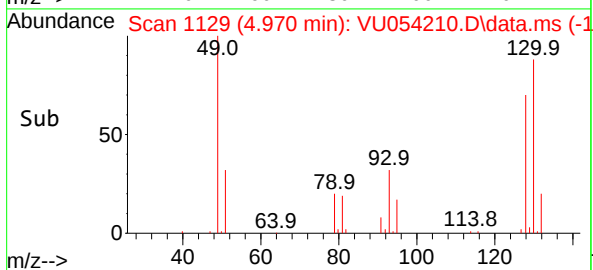
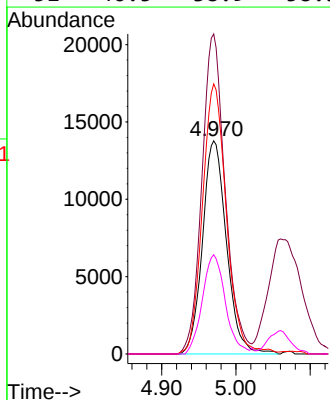
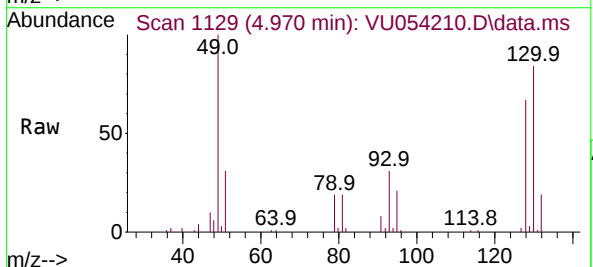
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

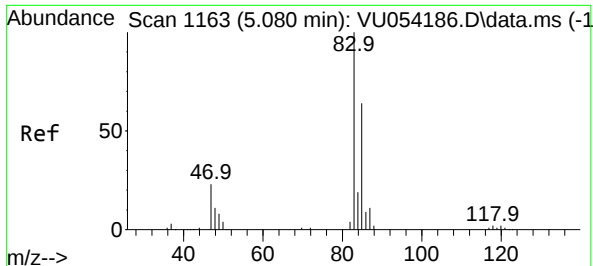
Tgt Ion:	96	Resp:	68244
Ion	Ratio	Lower	Upper
96	100		
61	120.9	85.0	157.8
98	61.6	45.8	85.0



#23
 Bromochloromethane
 Concen: 5.330 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.003 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

Tgt Ion:	128	Resp:	30872
Ion	Ratio	Lower	Upper
128	100		
49	150.1	100.9	187.3
130	126.7	93.2	173.0
51	46.5	38.9	58.3





#25

Chloroform

Concen: 5.081 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

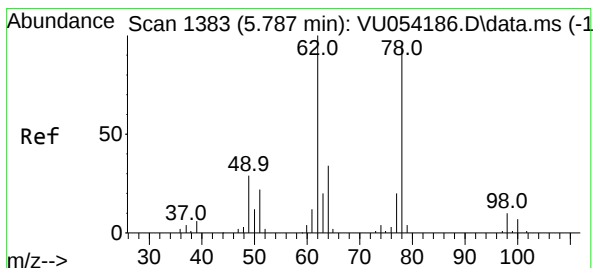
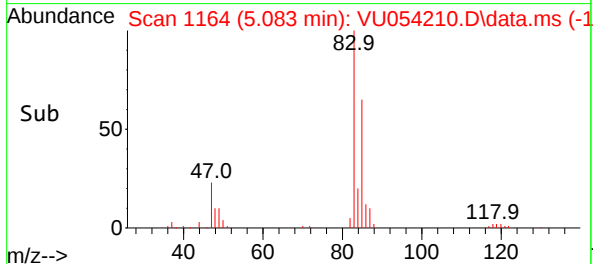
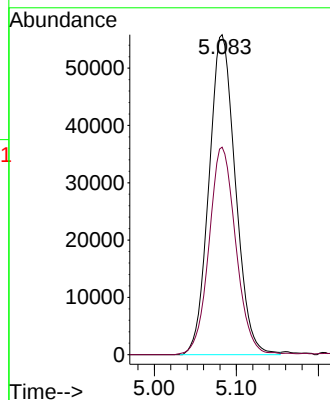
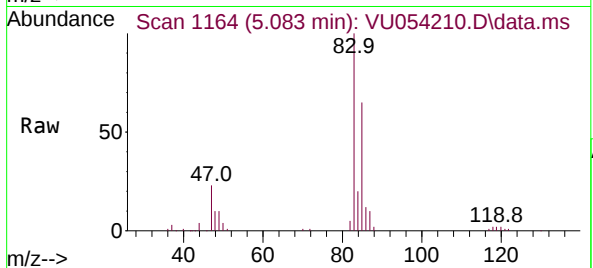
VSTD005169

Tgt Ion: 83 Resp: 125119

Ion Ratio Lower Upper

83 100

85 64.9 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.017 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU054210.D

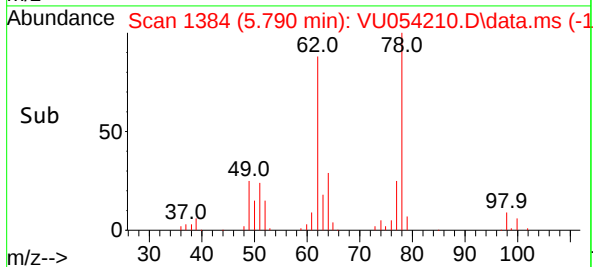
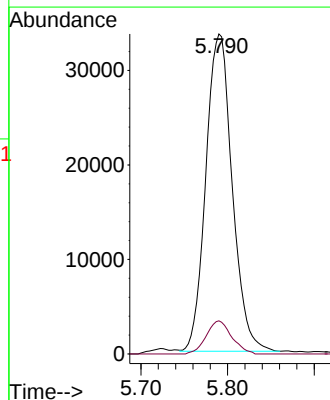
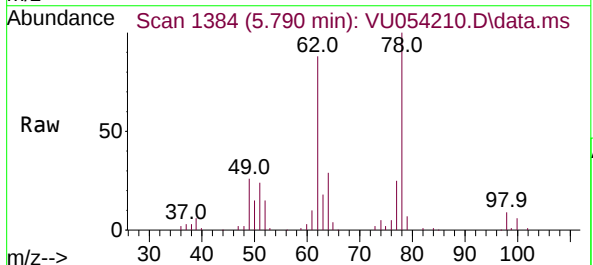
Acq: 19 May 2023 10:54

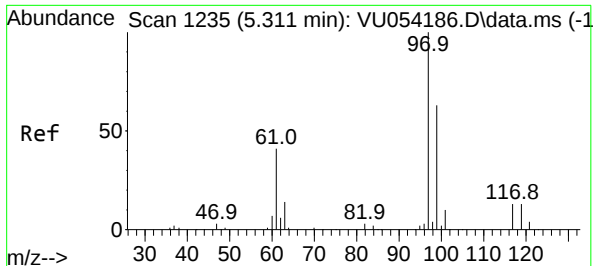
Tgt Ion: 62 Resp: 71037

Ion Ratio Lower Upper

62 100

98 10.4 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.169 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005169

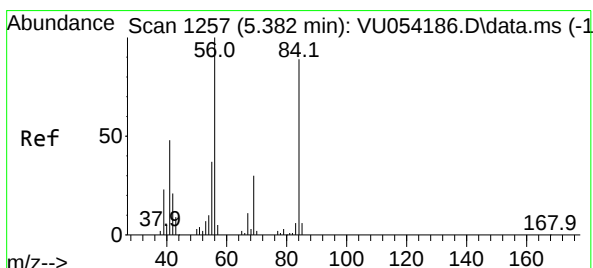
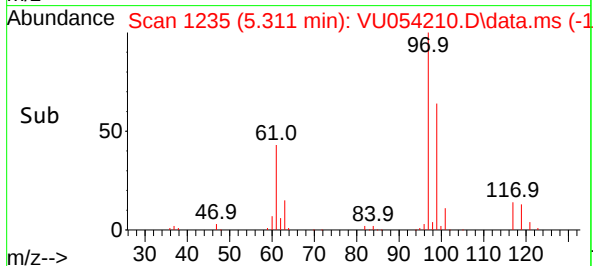
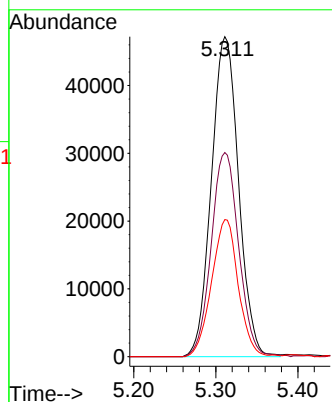
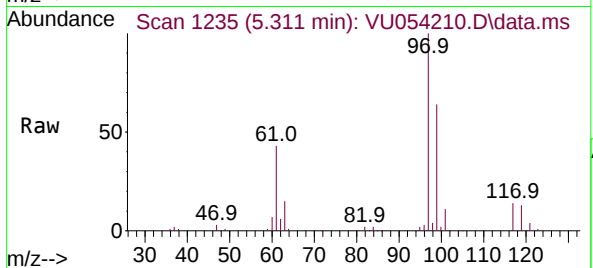
Tgt Ion: 97 Resp: 108842

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 41.9 33.4 50.2



#30

Cyclohexane

Concen: 5.321 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

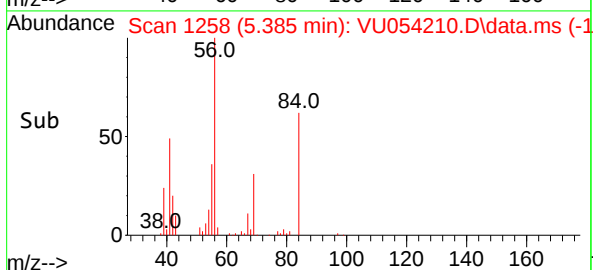
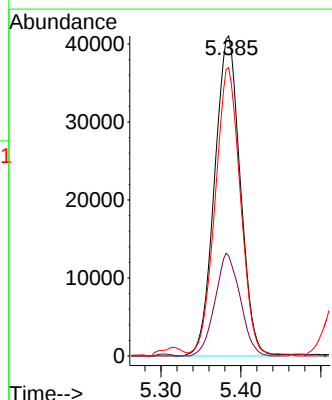
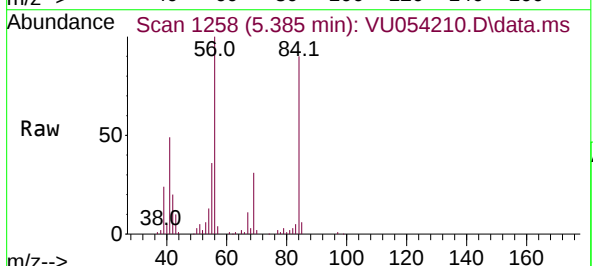
Tgt Ion: 56 Resp: 91198

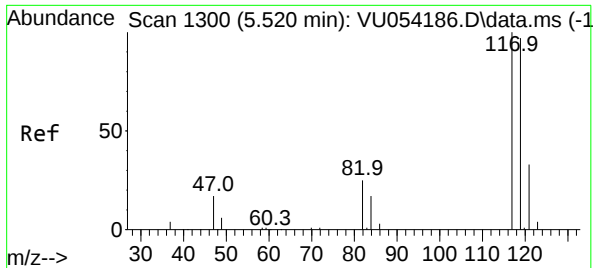
Ion Ratio Lower Upper

56 100

69 31.5 26.2 39.4

84 88.1 74.2 111.4

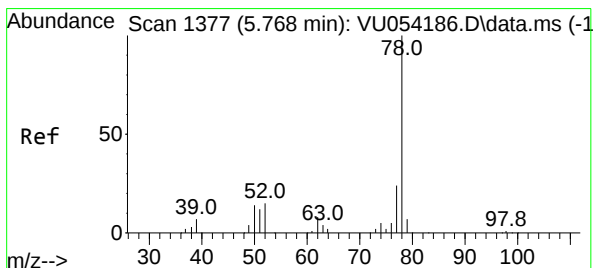
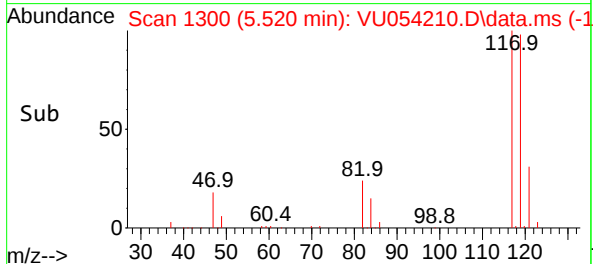
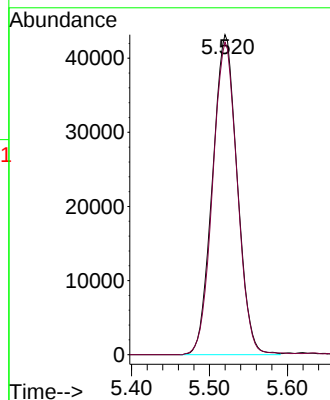
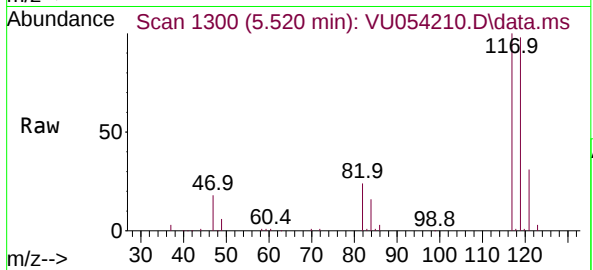




#31
Carbon tetrachloride
Concen: 5.224 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

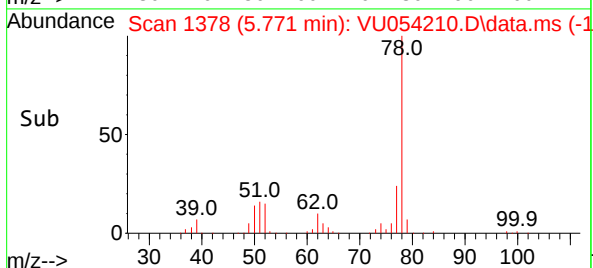
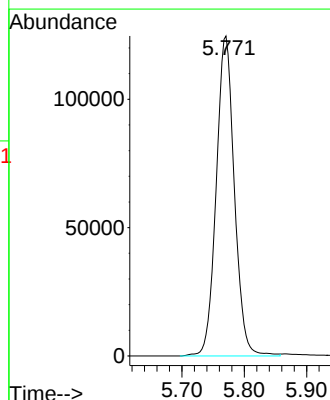
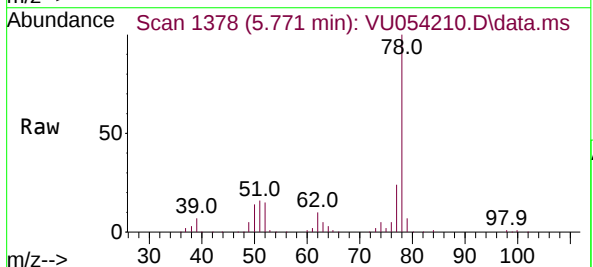
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

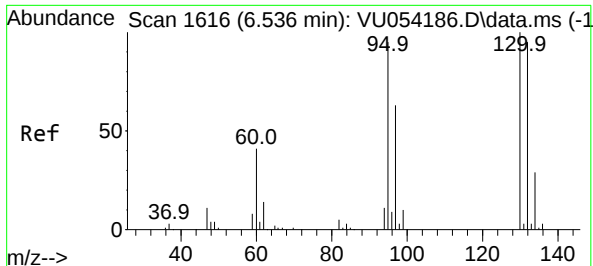
Tgt Ion:117 Resp: 95399
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8



#33
Benzene
Concen: 5.290 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 78 Resp: 251832

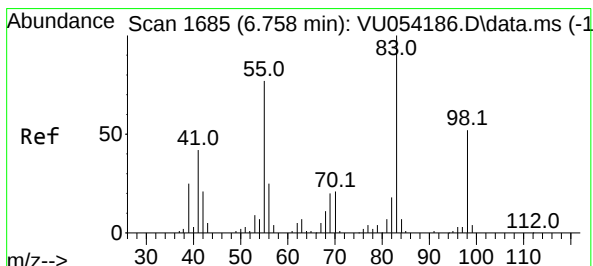
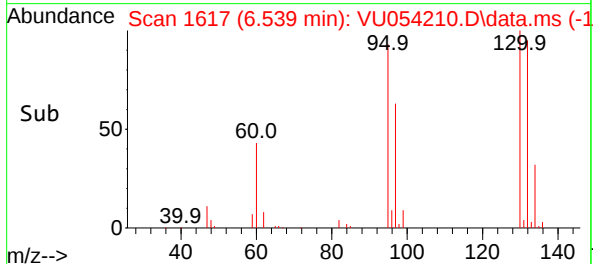
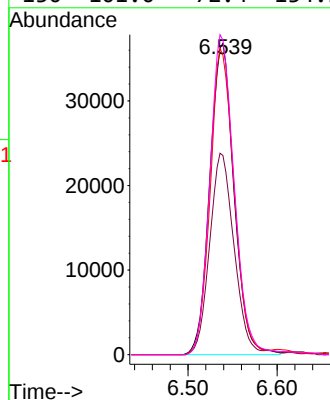
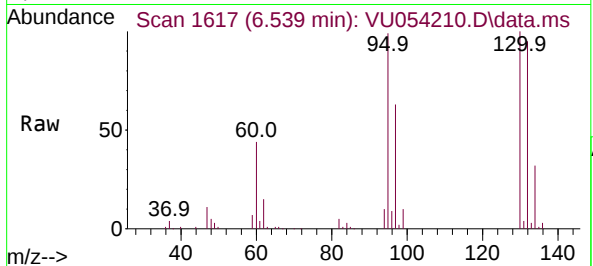




#34
Trichloroethene
Concen: 5.437 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

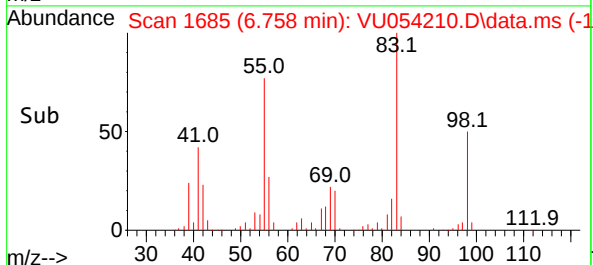
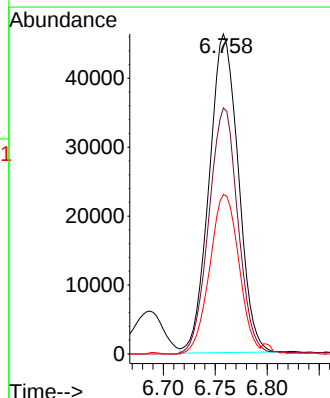
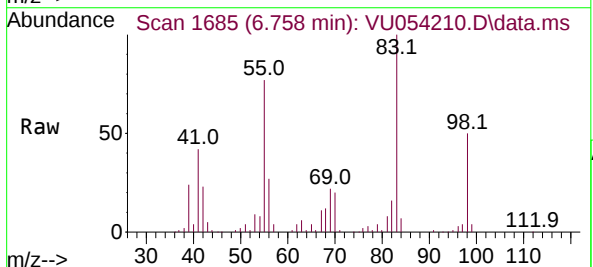
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

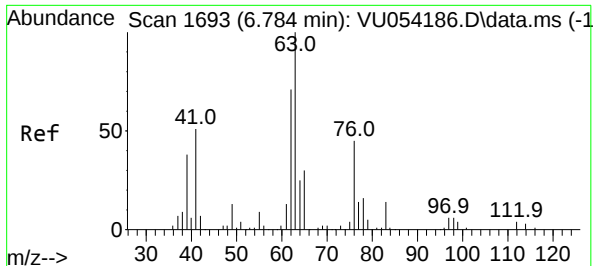
Tgt Ion: 95 Resp: 69618
Ion Ratio Lower Upper
95 100
97 64.0 45.8 85.0
132 96.2 70.1 130.3
130 101.0 72.4 134.5



#35
Methylcyclohexane
Concen: 4.820 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 83 Resp: 90231
Ion Ratio Lower Upper
83 100
55 77.2 61.6 92.4
98 50.1 41.3 61.9

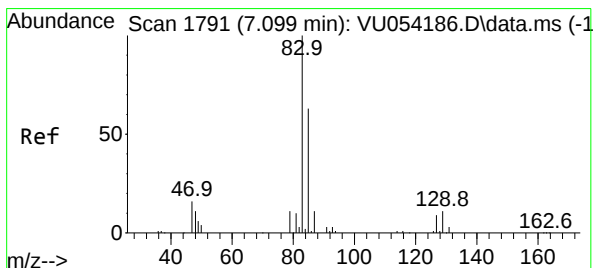
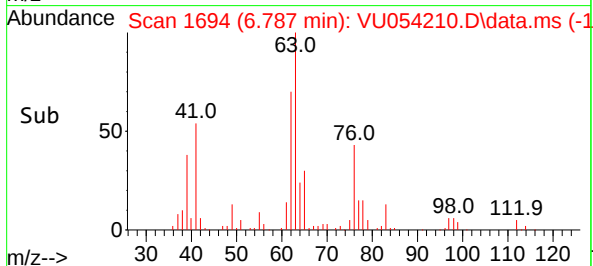
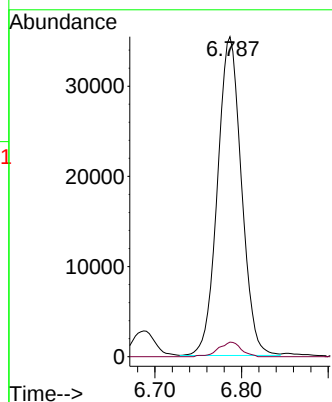
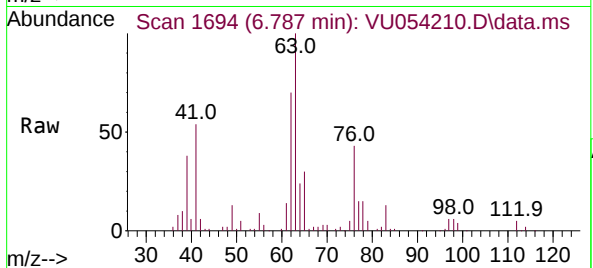




#37
1,2-Dichloropropane
Concen: 5.445 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

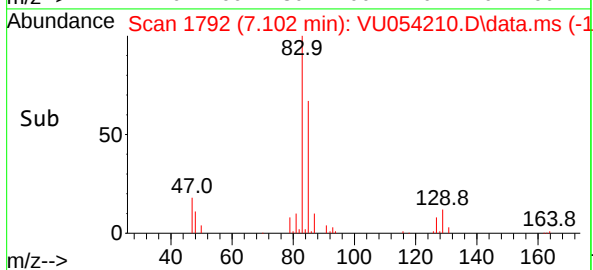
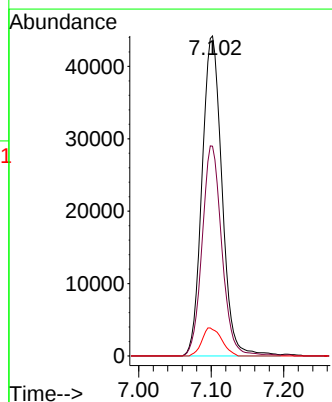
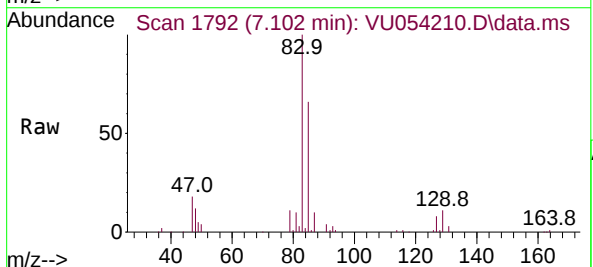
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

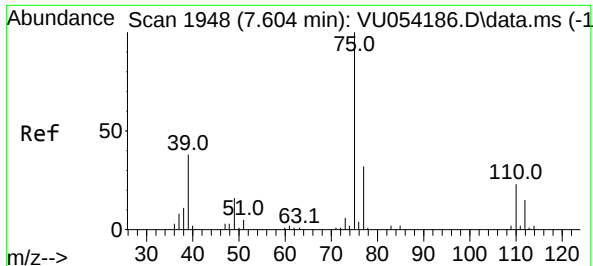
Tgt Ion: 63 Resp: 68064
Ion Ratio Lower Upper
63 100
112 4.3 3.3 4.9



#38
Bromodichloromethane
Concen: 5.333 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 83 Resp: 84418
Ion Ratio Lower Upper
83 100
85 65.5 44.2 82.0
127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.934 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

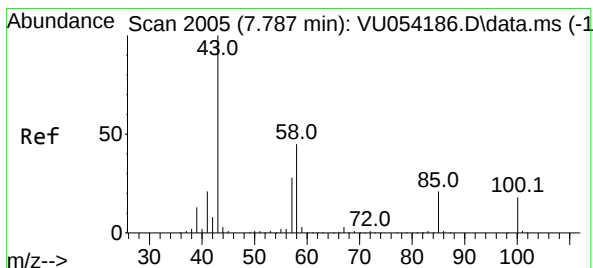
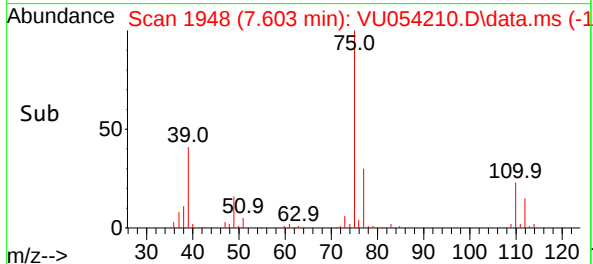
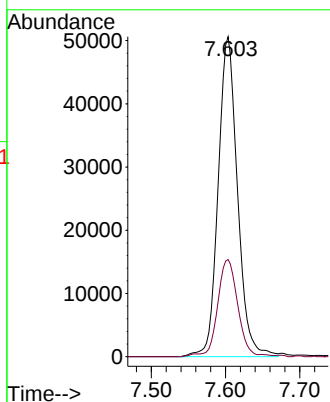
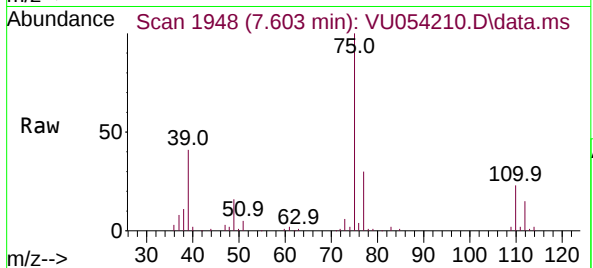
VSTD005169

Tgt Ion: 75 Resp: 91895

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 56.572 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

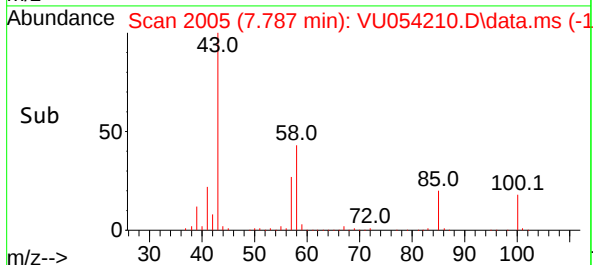
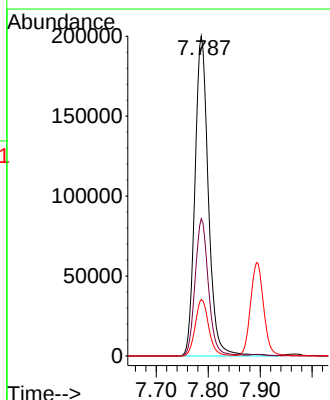
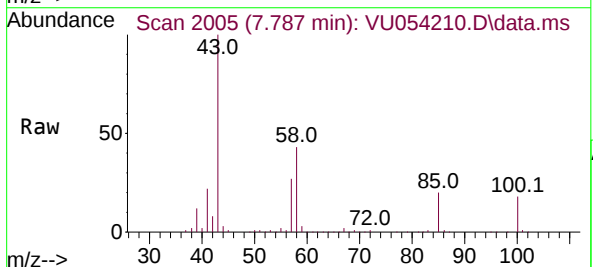
Tgt Ion: 43 Resp: 359985

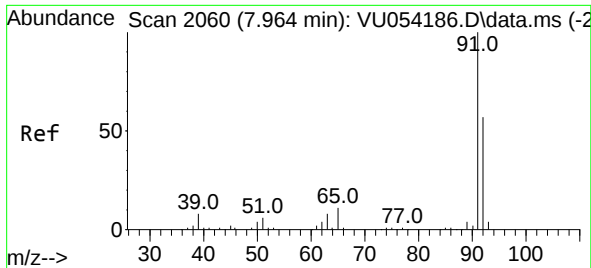
Ion Ratio Lower Upper

43 100

58 42.5 34.8 52.2

100 17.6 14.1 21.1





#42

Toluene

Concen: 5.351 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

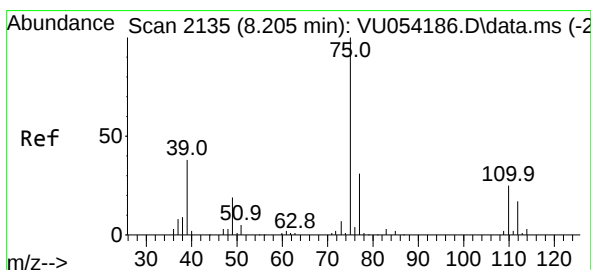
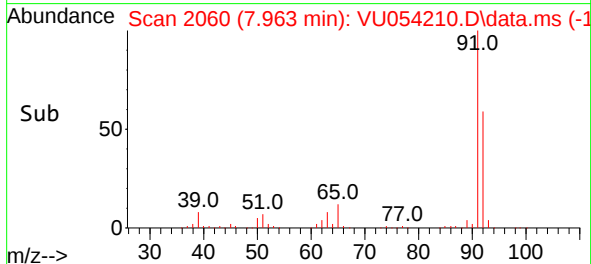
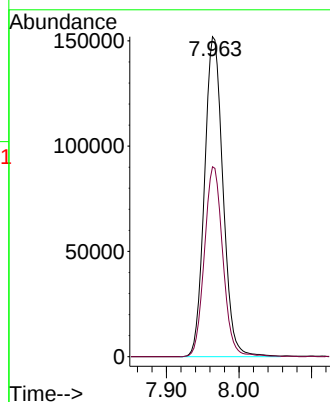
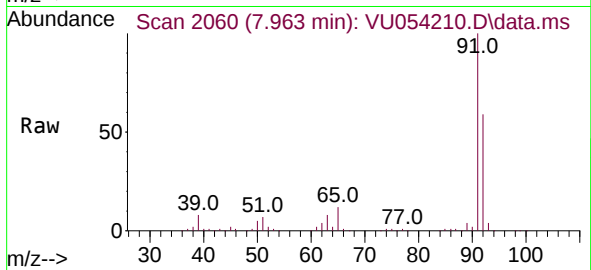
VSTD005169

Tgt Ion: 91 Resp: 269178

Ion Ratio Lower Upper

91 100

92 59.4 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 5.063 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054210.D

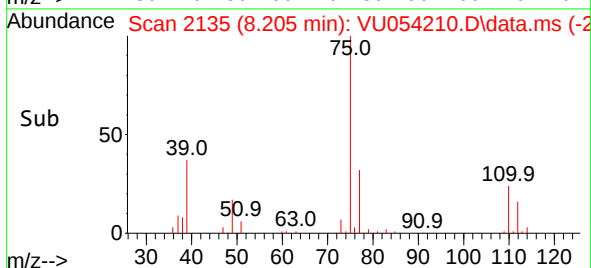
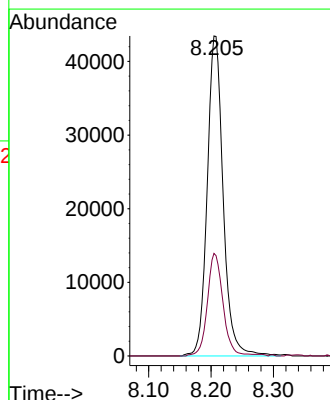
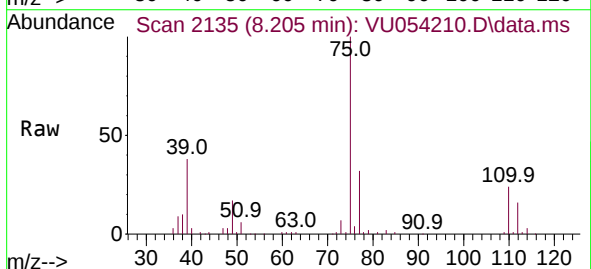
Acq: 19 May 2023 10:54

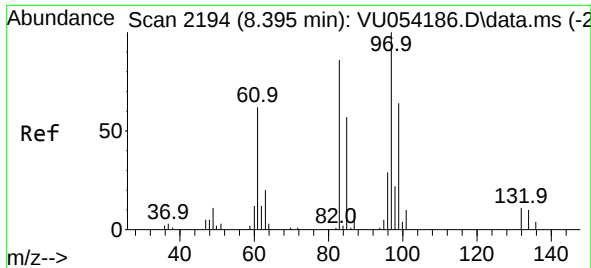
Tgt Ion: 75 Resp: 77395

Ion Ratio Lower Upper

75 100

77 32.0 20.8 38.6

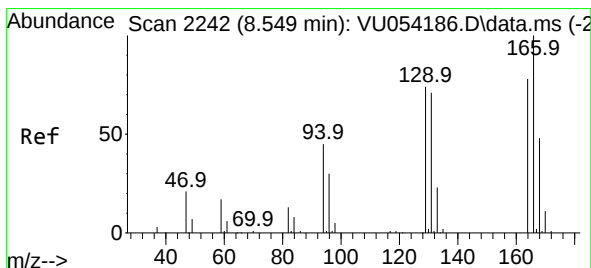
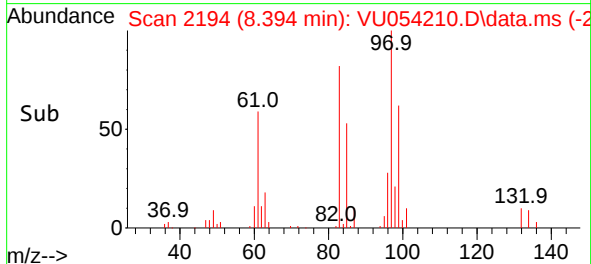
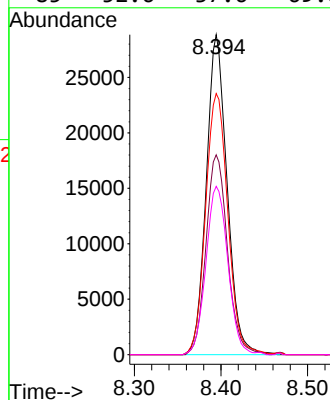
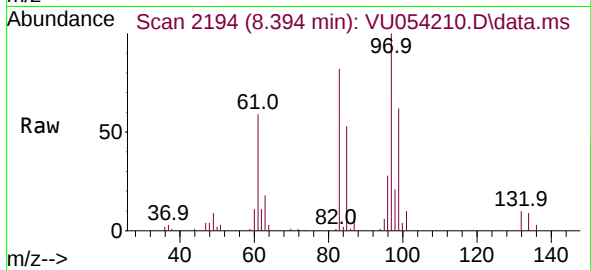




#45
1,1,2-Trichloroethane
Concen: 5.347 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

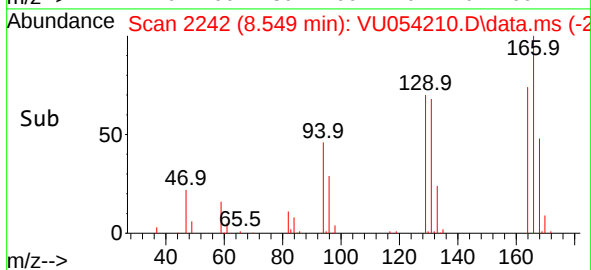
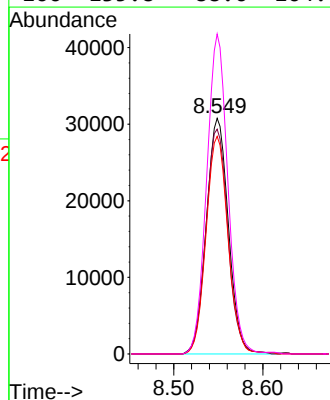
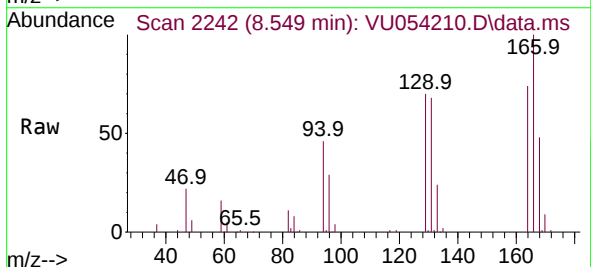
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

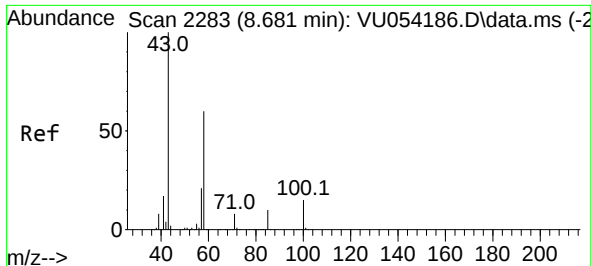
Tgt Ion:	97	Resp:	48173
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.0	79.8
83	81.6	59.1	109.9
85	52.6	37.6	69.8



#47
Tetrachloroethene
Concen: 5.045 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion:	164	Resp:	53080
Ion	Ratio	Lower	Upper
164	100		
129	95.4	63.3	117.7
131	92.4	61.0	113.4
166	135.8	88.6	164.6



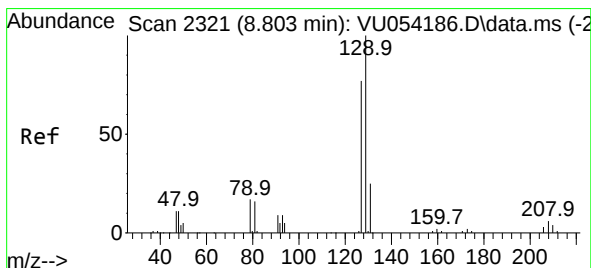
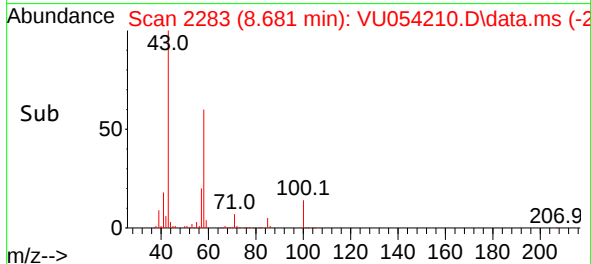
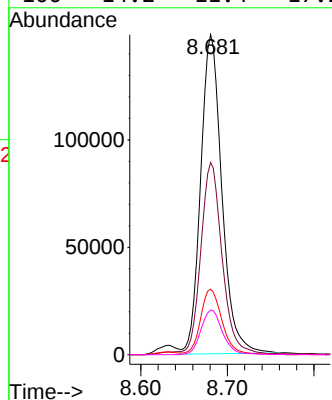
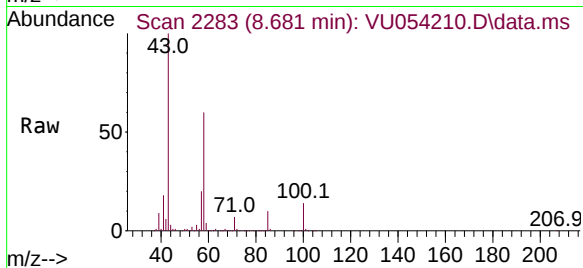


#48
2-Hexanone
Concen: 52.591 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

Tgt Ion: 43 Resp: 253025

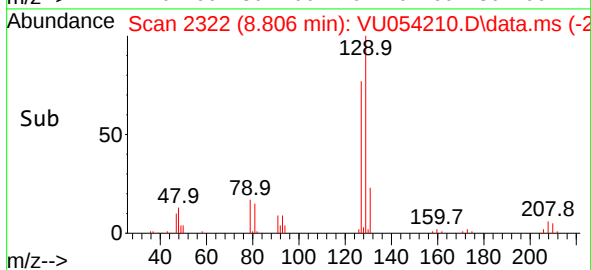
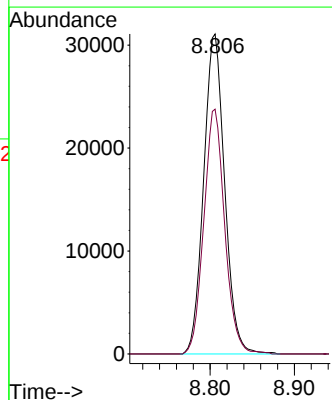
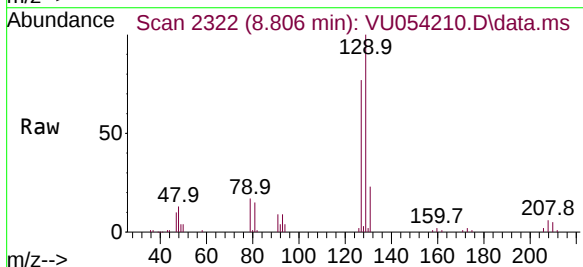
Ion	Ratio	Lower	Upper
43	100		
58	61.6	48.6	72.8
57	20.4	16.7	25.1
100	14.2	11.4	17.2

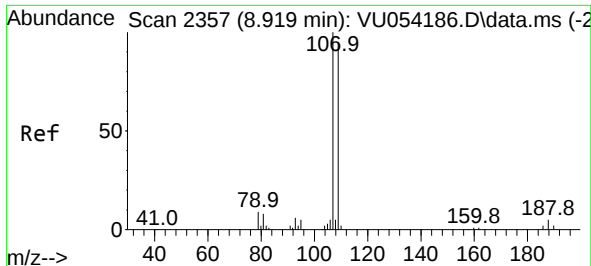


#49
Dibromochloromethane
Concen: 5.362 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion: 129 Resp: 53928

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.6	99.6

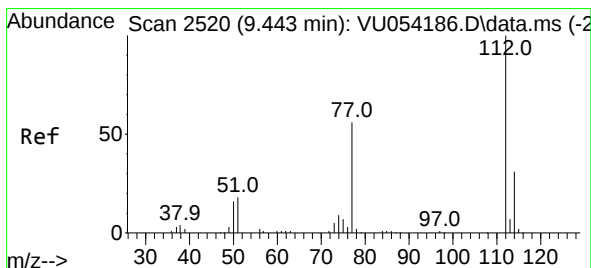
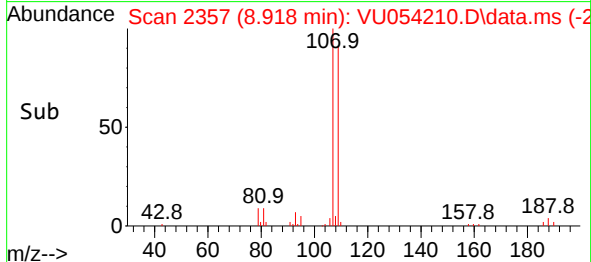
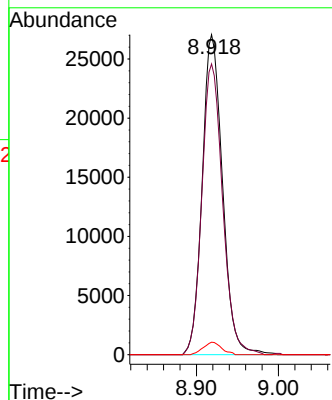
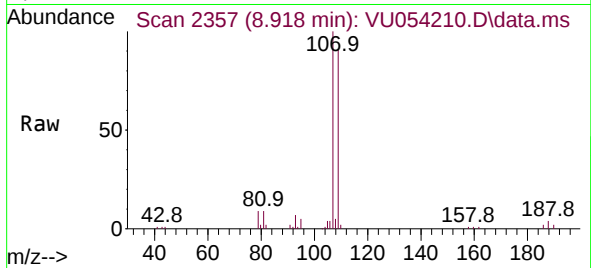




#50
1,2-Dibromoethane
Concen: 5.619 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

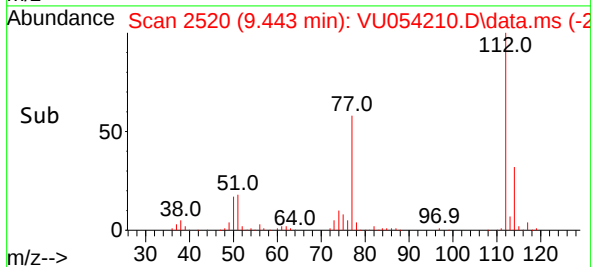
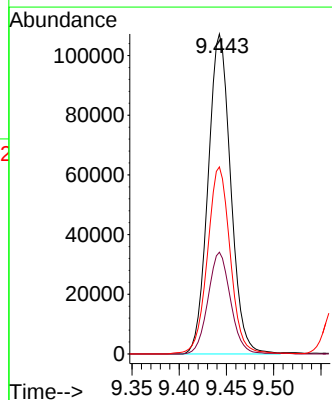
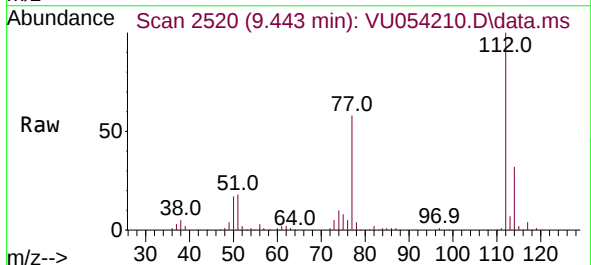
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

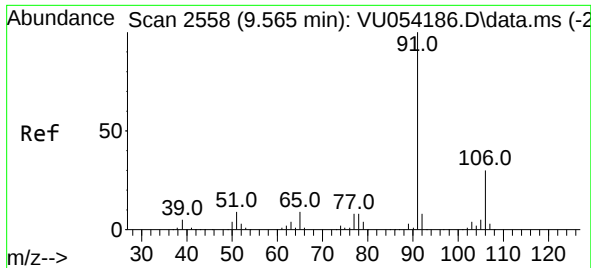
Tgt Ion:107 Resp: 46522
Ion Ratio Lower Upper
107 100
109 90.9 66.4 123.2
188 3.9 3.8 5.6



#51
Chlorobenzene
Concen: 5.249 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion:112 Resp: 178541
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 58.4 46.1 69.1

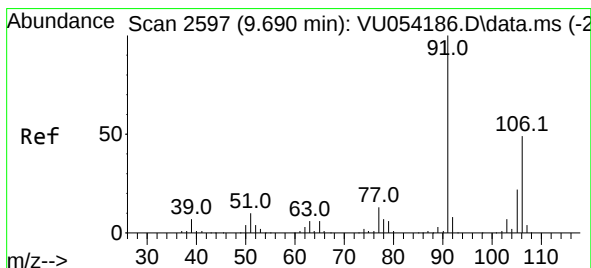
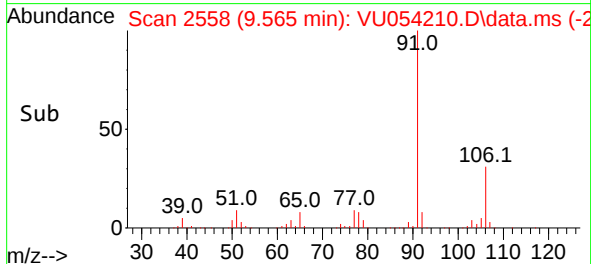
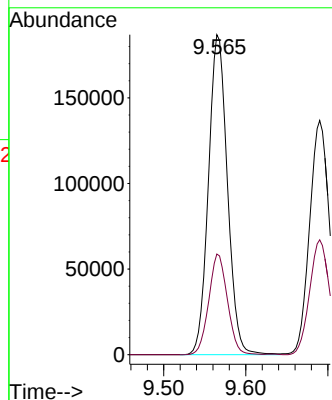
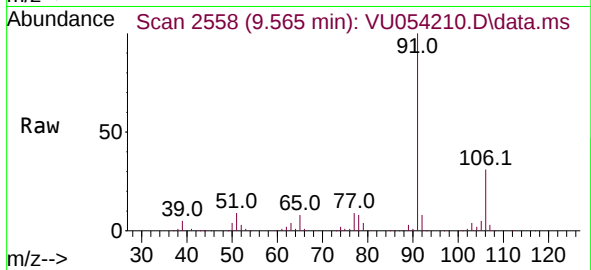




#52
Ethylbenzene
Concen: 5.356 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

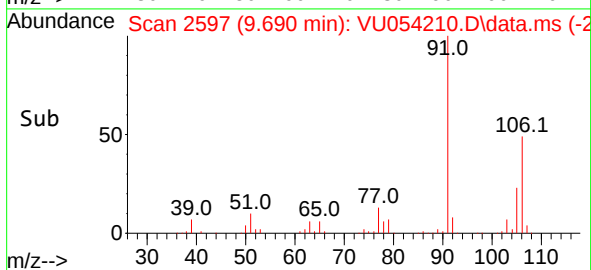
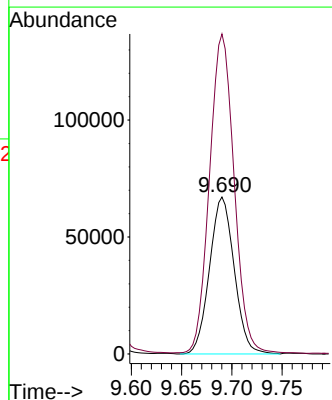
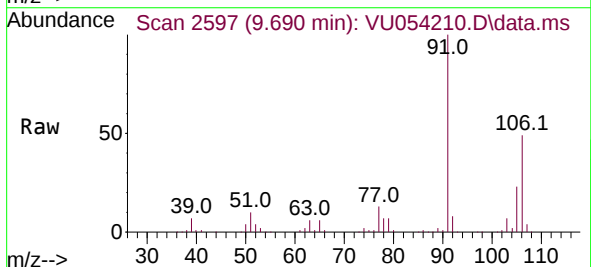
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

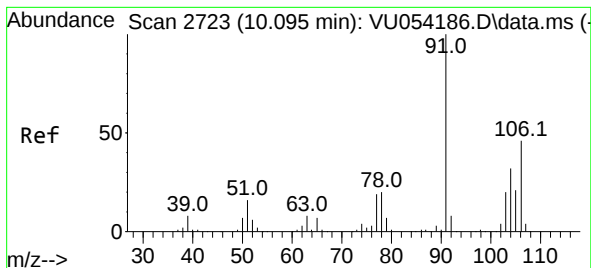
Tgt Ion: 91 Resp: 300282
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5



#53
m,p-Xylene
Concen: 5.375 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion:106 Resp: 114455
Ion Ratio Lower Upper
106 100
91 203.9 146.3 271.7





#54

o-Xylene

Concen: 5.350 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

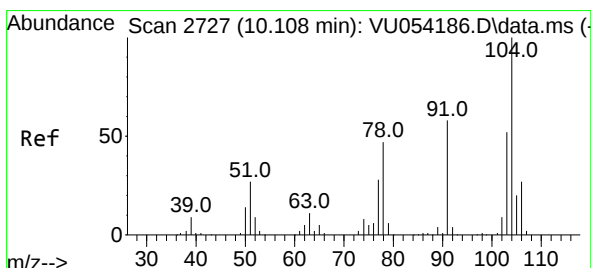
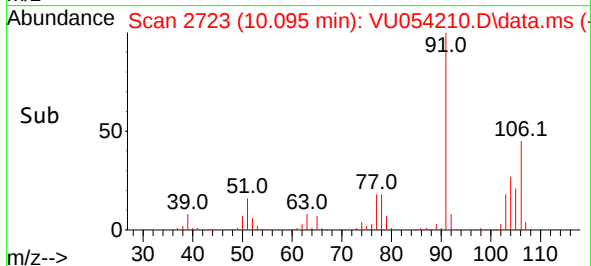
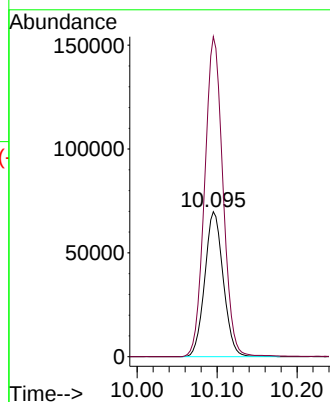
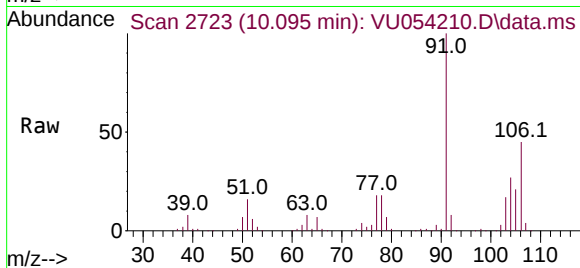
VSTD005169

Tgt Ion:106 Resp: 112504

Ion Ratio Lower Upper

106 100

91 220.7 153.6 285.3



#55

Styrene

Concen: 5.544 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054210.D

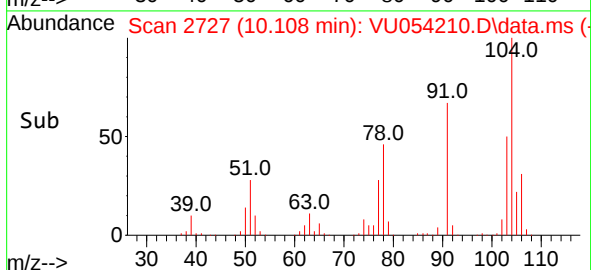
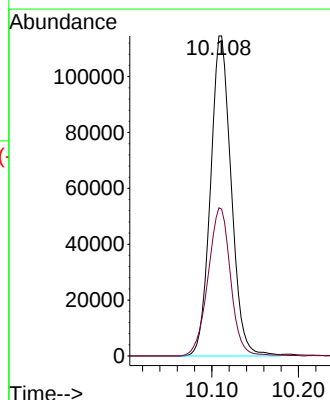
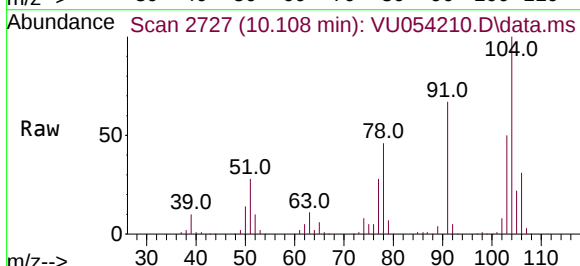
Acq: 19 May 2023 10:54

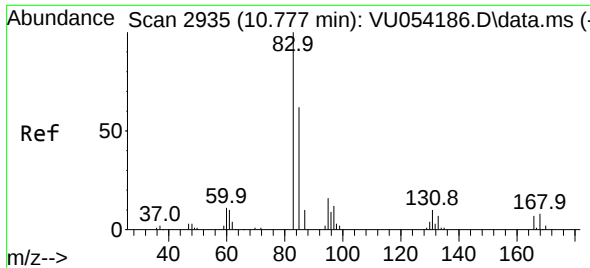
Tgt Ion:104 Resp: 190635

Ion Ratio Lower Upper

104 100

78 46.3 33.1 61.5

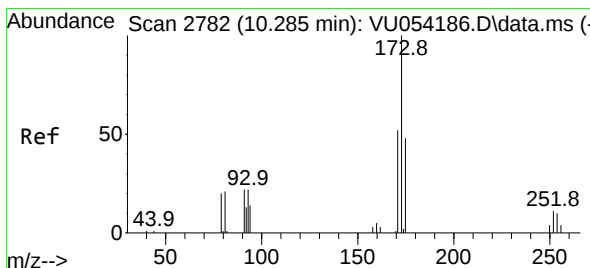
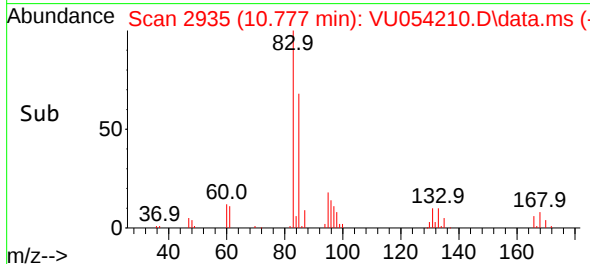
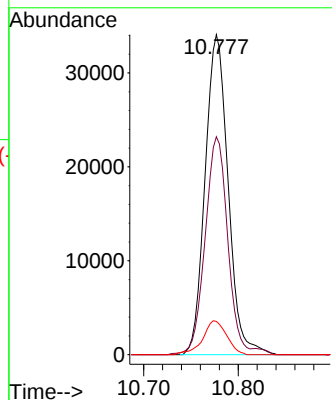
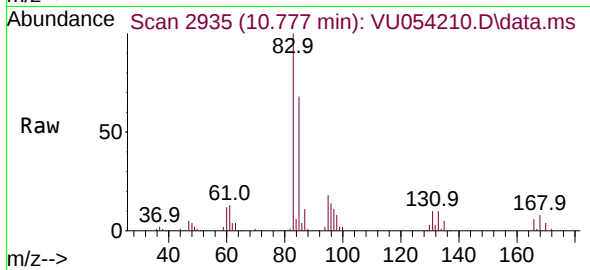




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.388 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

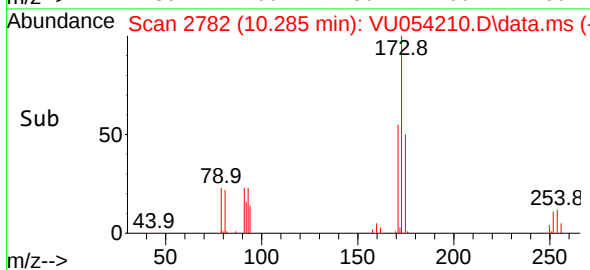
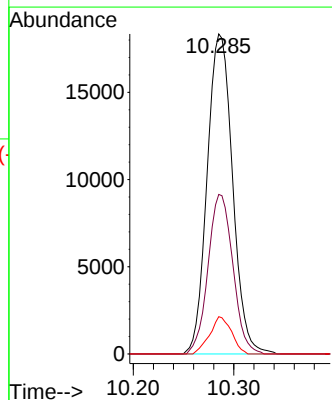
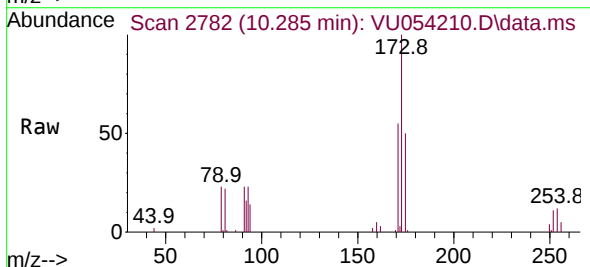
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

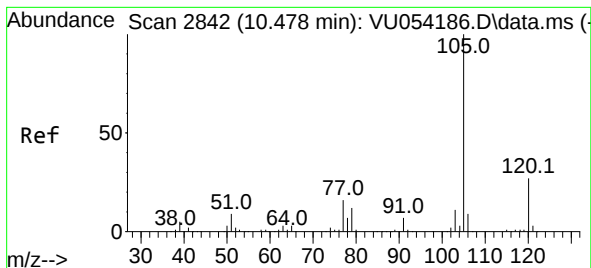
Tgt Ion:	83	Resp:	57639
Ion Ratio	Lower	Upper	
83	100		
85	68.1	44.8	83.2
131	10.4	8.1	12.1



#59
 Bromoform
 Concen: 5.507 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

Tgt Ion:	173	Resp:	32199
Ion Ratio	Lower	Upper	
173	100		
175	48.7	38.6	58.0
254	10.0	7.9	11.9





#60

Isopropylbenzene

Concen: 5.439 ug/L

RT: 10.481 min Scan# 2842

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005169

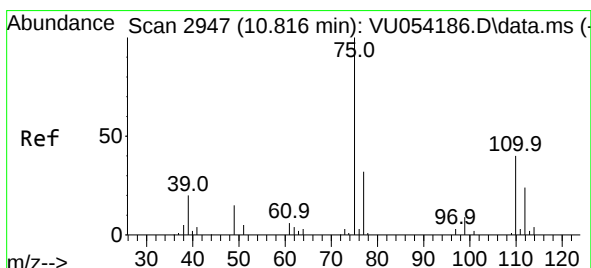
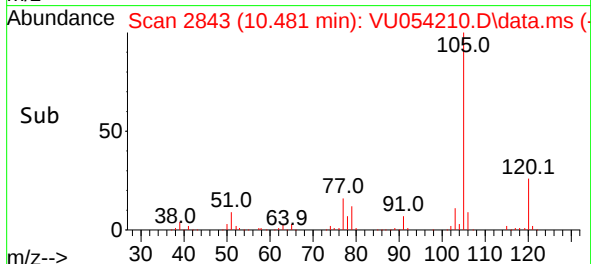
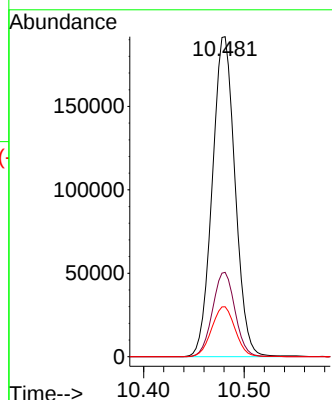
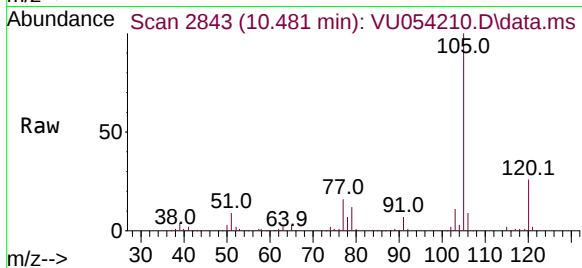
Tgt Ion:105 Resp: 301756

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

77 16.1 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.385 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

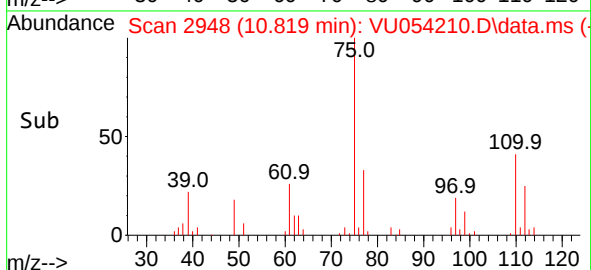
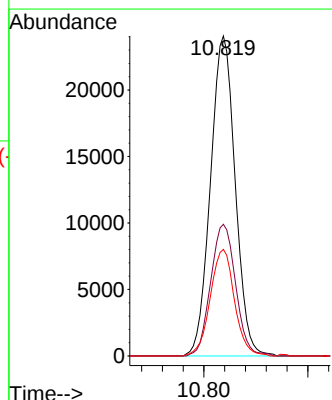
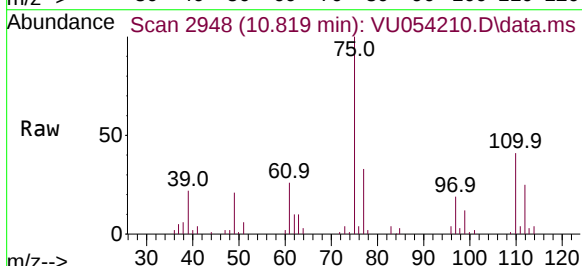
Tgt Ion: 75 Resp: 39693

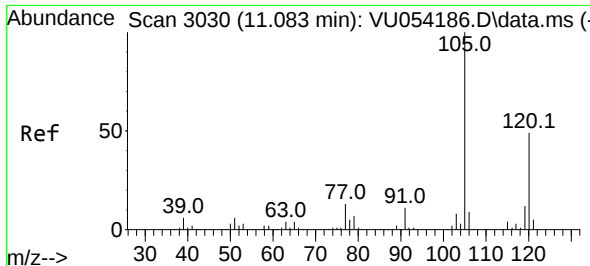
Ion Ratio Lower Upper

75 100

110 41.5 32.3 48.5

77 32.7 26.3 39.5

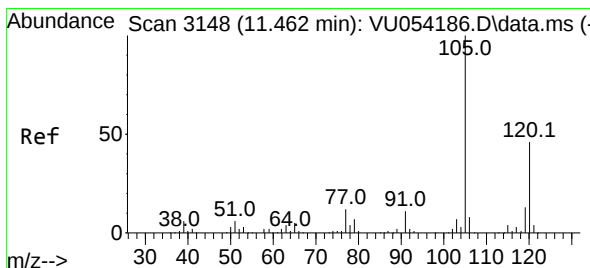
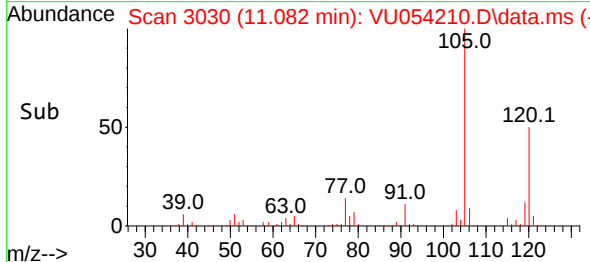
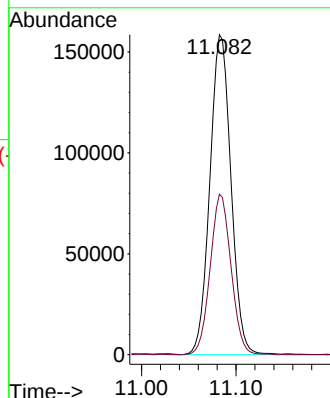
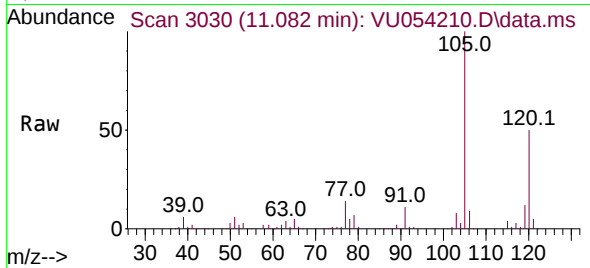




#62
1,3,5-Trimethylbenzene
Concen: 5.430 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

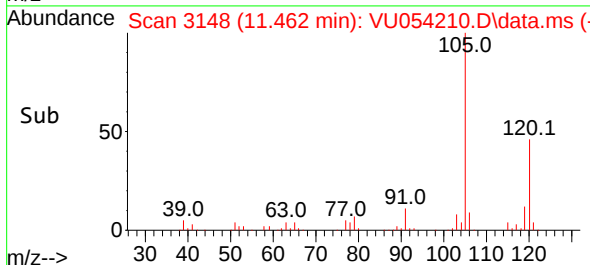
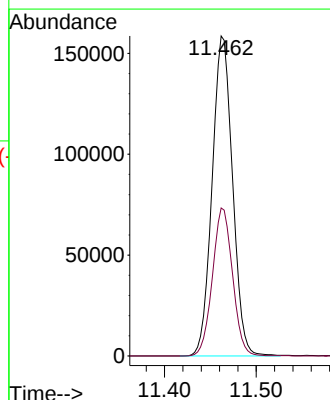
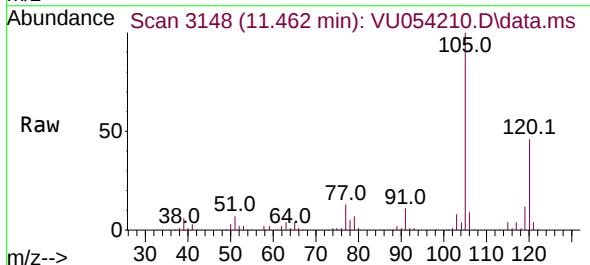
Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

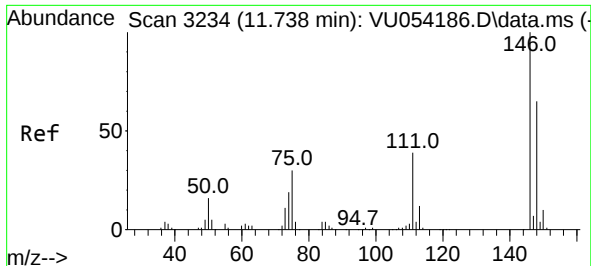
Tgt Ion:105 Resp: 245894
Ion Ratio Lower Upper
105 100
120 49.5 39.4 59.0



#63
1,2,4-Trimethylbenzene
Concen: 5.434 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion:105 Resp: 245621
Ion Ratio Lower Upper
105 100
120 45.5 36.9 55.3

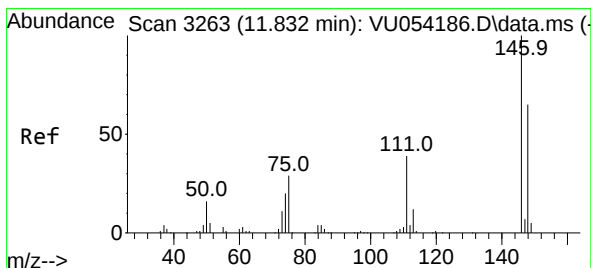
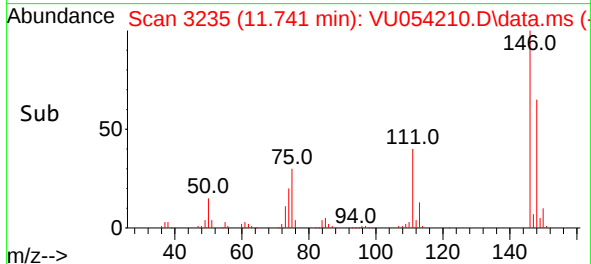
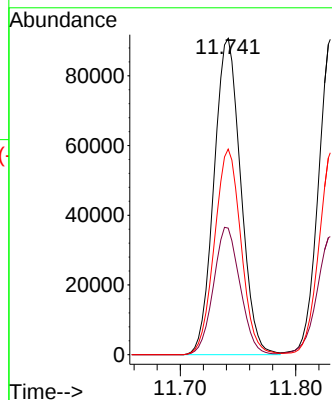
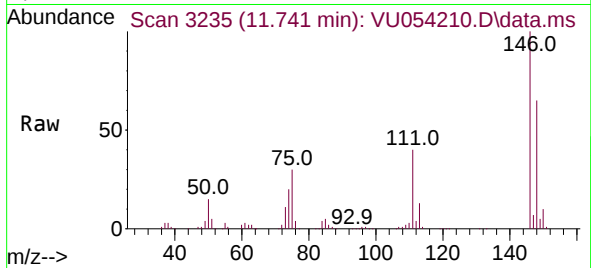




#64
 1,3-Dichlorobenzene
 Concen: 5.271 ug/L
 RT: 11.741 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

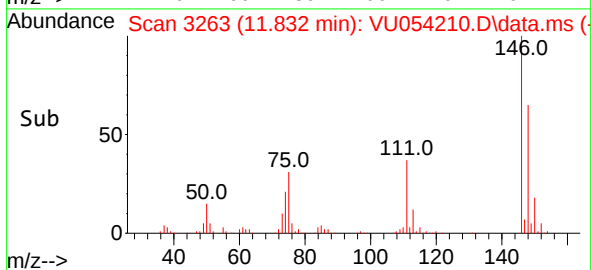
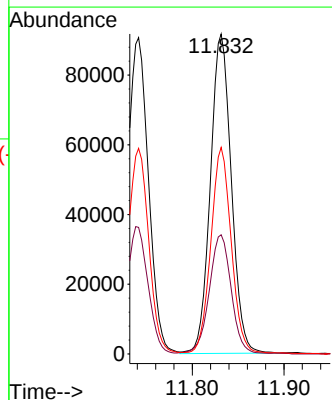
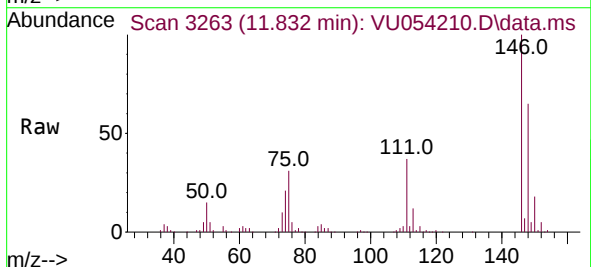
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

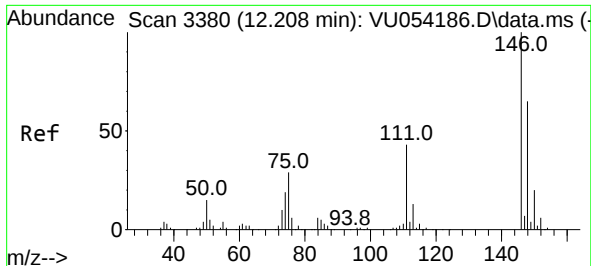
Tgt Ion:146 Resp: 145963
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.8 51.6
 148 65.0 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 5.277 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

Tgt Ion:146 Resp: 145152
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.6 49.4
 148 64.5 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.335 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005169

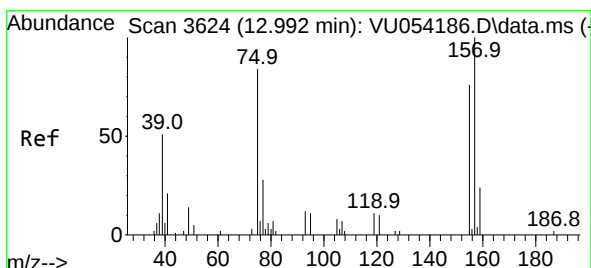
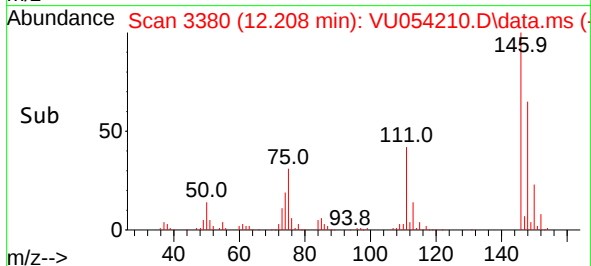
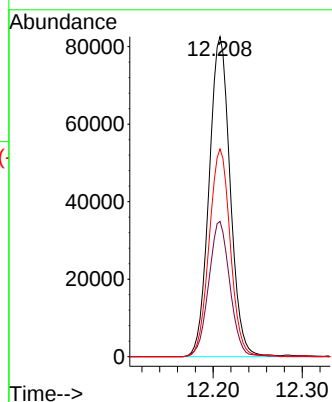
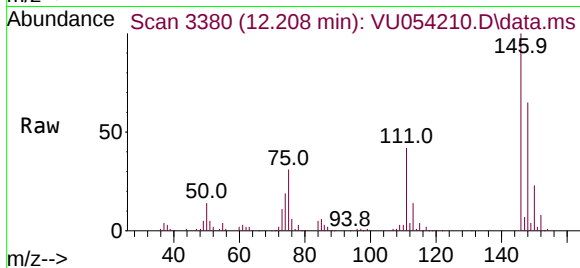
Tgt Ion:146 Resp: 135568

Ion Ratio Lower Upper

146 100

111 42.3 33.0 49.4

148 64.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.696 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054210.D

Acq: 19 May 2023 10:54

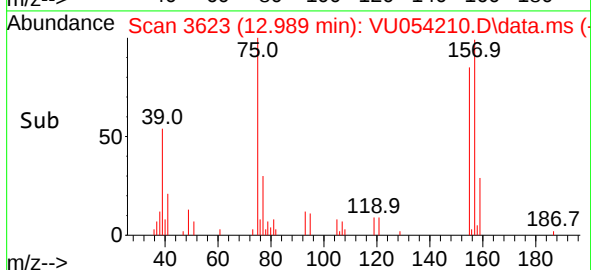
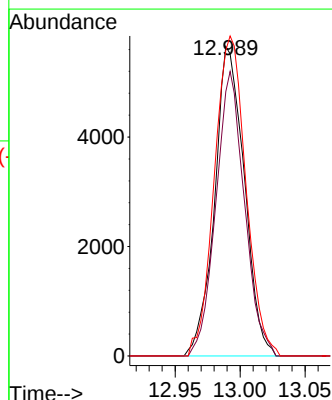
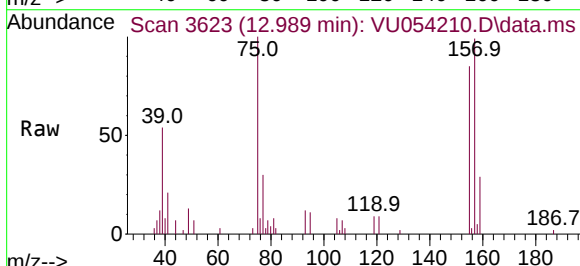
Tgt Ion: 75 Resp: 8976

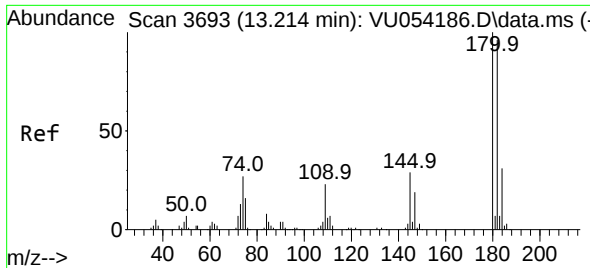
Ion Ratio Lower Upper

75 100

155 85.5 62.7 94.1

157 98.8 77.0 115.4

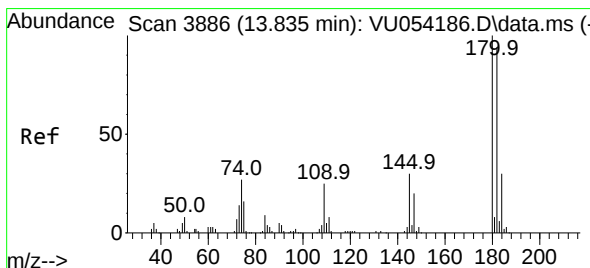
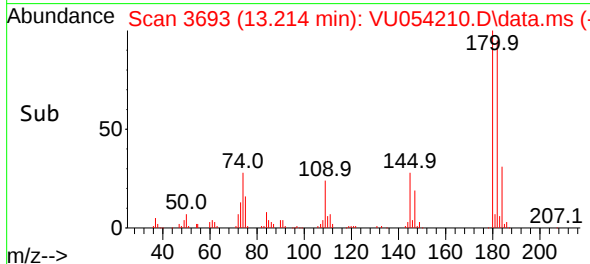
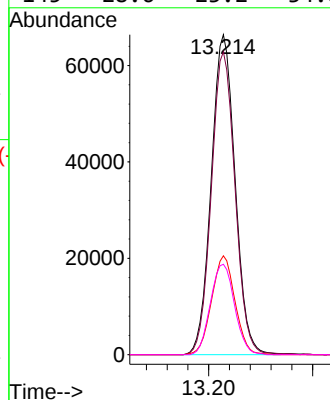
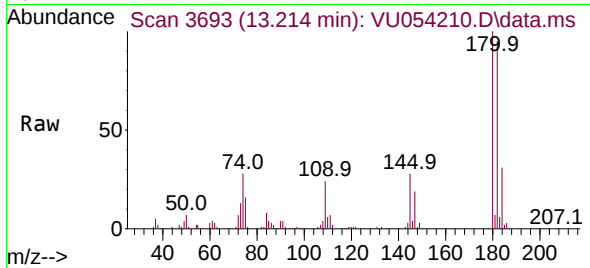




#69
 1,3,5-Trichlorobenzene
 Concen: 5.123 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

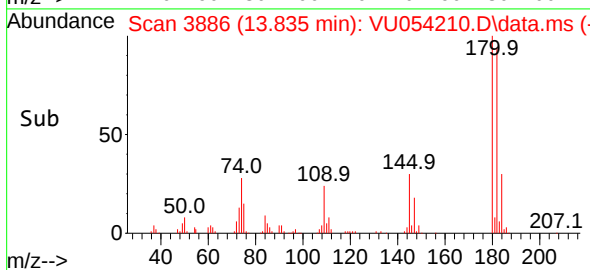
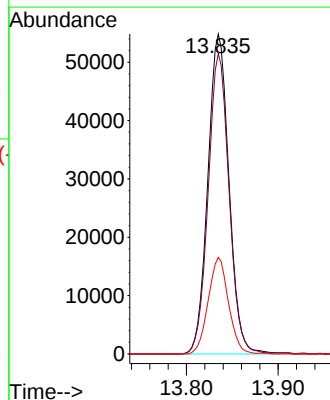
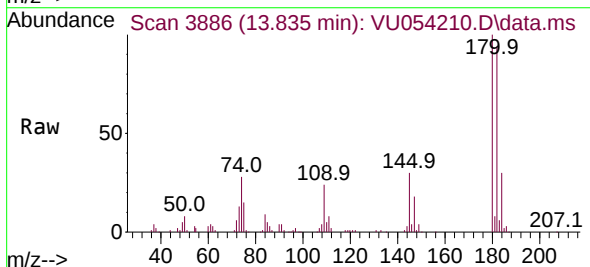
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005169

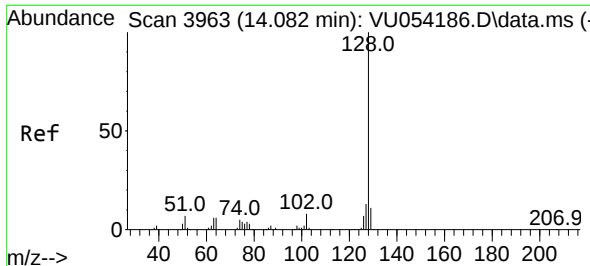
Tgt Ion:180 Resp: 105837
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.1 114.1
 184 30.3 24.5 36.7
 145 28.6 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.137 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054210.D
 Acq: 19 May 2023 10:54

Tgt Ion:180 Resp: 87863
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.4 114.6
 145 29.0 23.3 34.9

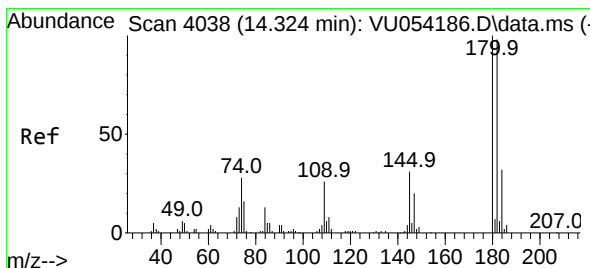
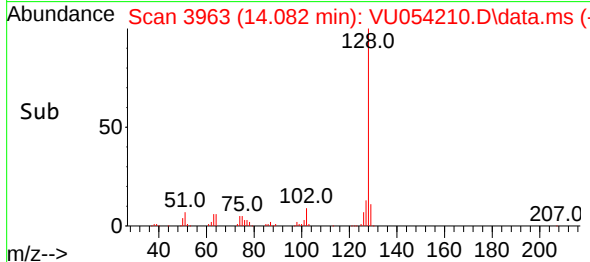
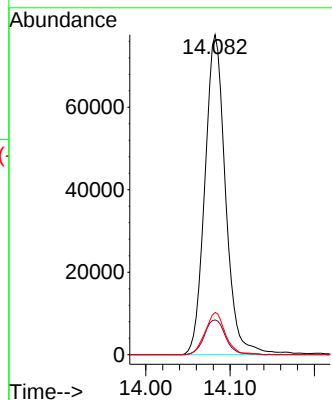
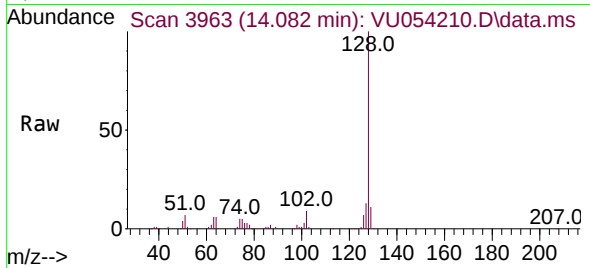




#71
Naphthalene
Concen: 5.350 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005169

Tgt Ion:128 Resp: 132371
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.427 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054210.D
Acq: 19 May 2023 10:54

Tgt Ion:180 Resp: 78573
Ion Ratio Lower Upper
180 100
182 95.8 76.4 114.6
145 31.7 25.1 37.7

