

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053703.D
 Acq On : 14 Apr 2023 09:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Apr 15 05:26:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139603	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	133432	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	71072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50920	5.302	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.000%
7) Chloroethane-d5	1.909	69	41425	4.753	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.562	65	18588	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.620	46	75793	34.450	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.900%
24) Chloroform-d	5.057	84	81572	4.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.697	65	37016	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
32) Benzene-d6	5.723	84	159060	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.687	67	48969	4.250	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.896	98	155309	4.353	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	8.176	79	19317	4.369	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.629	63	68093	37.913	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.820%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35619	3.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	54475	4.260	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	54485	5.439	ug/L	100
3) Chloromethane	1.520	50	56260	5.583	ug/L	99
5) Vinyl chloride	1.601	62	63638	5.600	ug/L	98
6) Bromomethane	1.851	94	26227	3.644	ug/L	97
8) Chloroethane	1.929	64	38446	5.820	ug/L	99
9) Trichlorofluoromethane	2.134	101	89712	5.228	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	49182	5.654	ug/L	96
12) 1,1-Dichloroethene	2.575	96	43944	5.560	ug/L	94
13) Acetone	2.629	43	63971	48.995	ug/L #	47
14) Carbon disulfide	2.790	76	120913	5.212	ug/L	99
15) Methyl Acetate	2.951	43	14590	4.764	ug/L	98
16) Methylene chloride	3.041	84	53617	5.165	ug/L	97
17) Methyl tert-butyl Ether	3.363	73	92338	4.819	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	44875	5.466	ug/L	88
19) 1,1-Dichloroethane	3.864	63	79943	5.286	ug/L	98
21) 2-Butanone	4.700	43	90121	44.452	ug/L	97
22) cis-1,2-Dichloroethene	4.658	96	48596	4.393	ug/L	98
23) Bromochloromethane	4.970	128	22379	5.716	ug/L	90
25) Chloroform	5.083	83	86800	5.579	ug/L	96

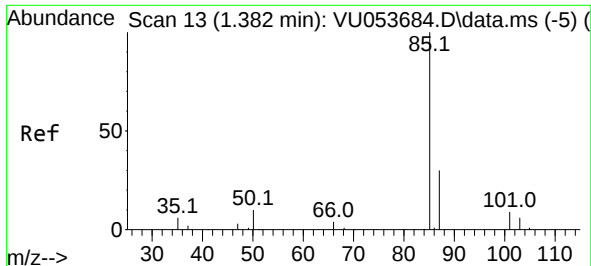
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053703.D
 Acq On : 14 Apr 2023 09:31
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 ALS Vial : 23 Sample Multiplier: 1

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 ClientSampleId :
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	50033	5.134	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	78022	5.923	ug/L	96
30) Cyclohexane	5.382	56	65396	4.659	ug/L	96
31) Carbon tetrachloride	5.520	117	63617	5.707	ug/L	100
33) Benzene	5.771	78	182944	5.117	ug/L	100
34) Trichloroethene	6.539	95	53325	5.601	ug/L	93
35) Methylcyclohexane	6.761	83	79701	4.879	ug/L	97
37) 1,2-Dichloropropane	6.787	63	46469	4.923	ug/L	100
38) Bromodichloromethane	7.102	83	55947	5.336	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	69115	4.956	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	214952	46.531	ug/L	97
42) Toluene	7.967	91	200207	5.125	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	56080	4.942	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	34063	5.082	ug/L	92
47) Tetrachloroethene	8.549	164	41065	5.870	ug/L	97
48) 2-Hexanone	8.681	43	156690	45.873	ug/L	98
49) Dibromochloromethane	8.806	129	36030	5.436	ug/L	99
50) 1,2-Dibromoethane	8.922	107	33274	5.140	ug/L	98
51) Chlorobenzene	9.443	112	130923	5.313	ug/L	97
52) Ethylbenzene	9.568	91	217636	5.111	ug/L	99
53) m,p-Xylene	9.690	106	85716	5.281	ug/L	98
54) o-Xylene	10.099	106	78938	5.125	ug/L	98
55) Styrene	10.111	104	132909	5.255	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	40575	4.794	ug/L	99
59) Bromoform	10.288	173	18948	5.178	ug/L	97
60) Isopropylbenzene	10.481	105	218664	5.065	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	27426	4.657	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	177784	5.075	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	182291	5.081	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	104064	5.483	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	105584	5.540	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	96304	5.352	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.992	75	5548	4.859	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.214	180	75355	5.687	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	62914	5.972	ug/L	97
71) Naphthalene	14.082	128	105938	5.338	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	56495	6.144	ug/L	98

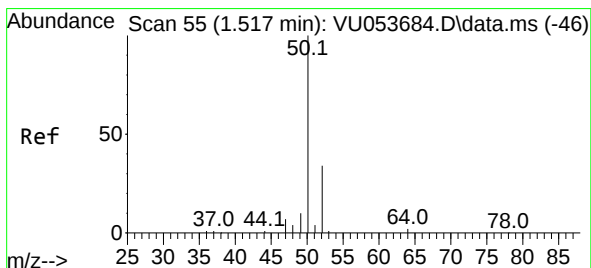
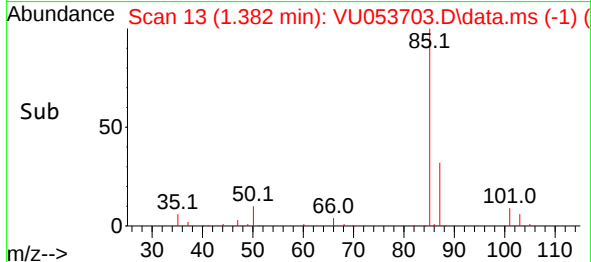
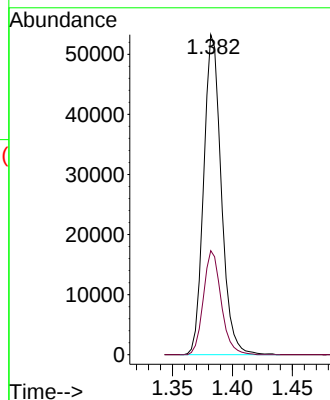
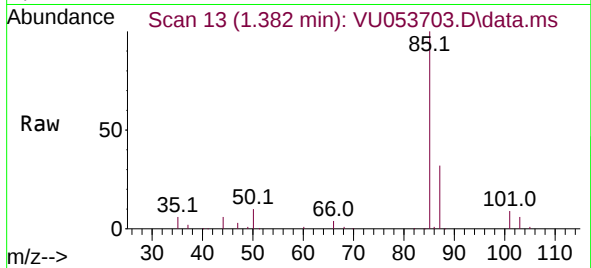
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#2
Dichlorodifluoromethane
Concen: 5.439 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

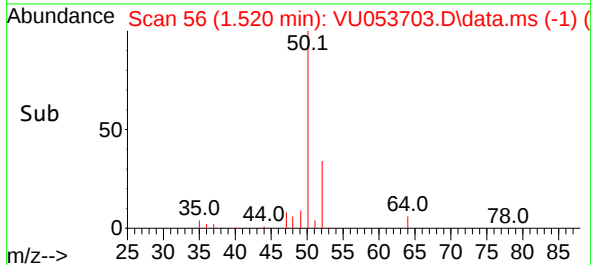
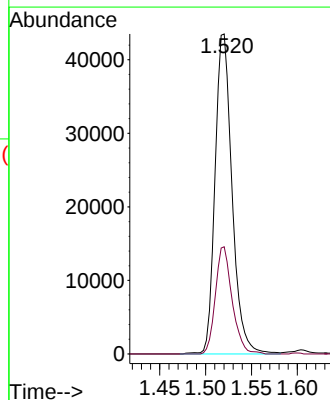
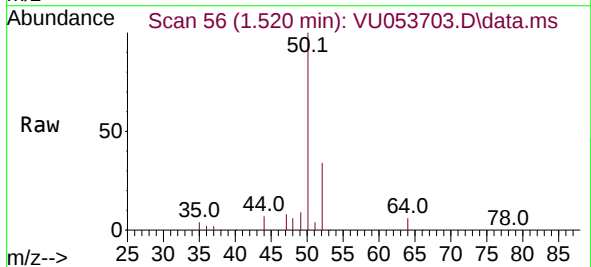
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MSVOA_U
ClientSampleId :
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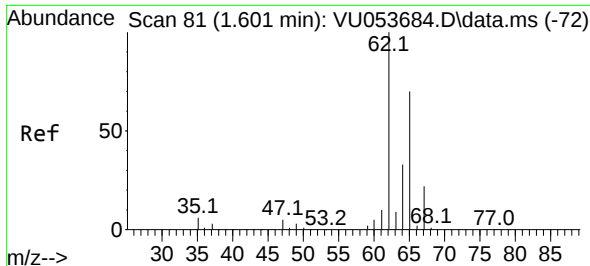
Tgt Ion: 85 Resp: 54485
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1



#3
Chloromethane
Concen: 5.583 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 50 Resp: 56260
Ion Ratio Lower Upper
50 100
52 33.5 23.9 44.3

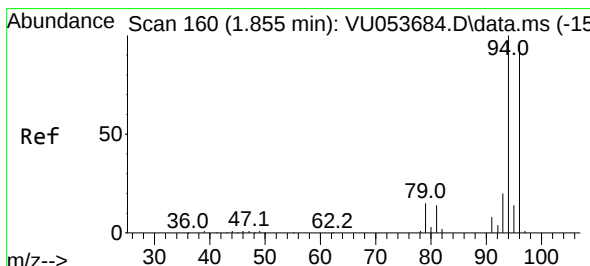
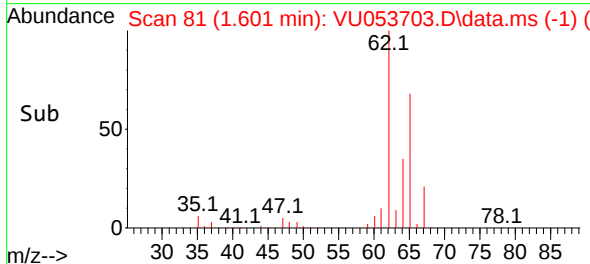
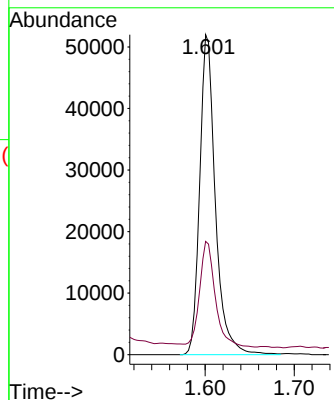
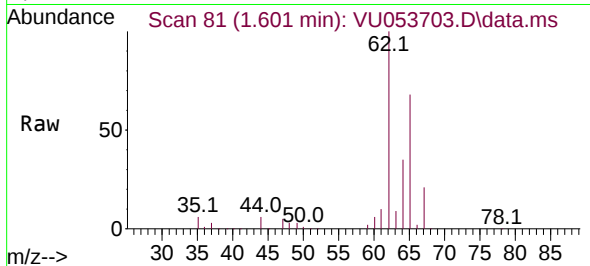




#5
 Vinyl chloride
 Concen: 5.600 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

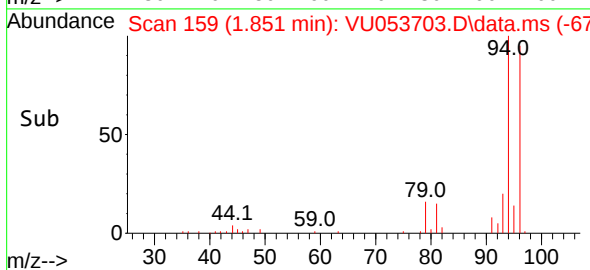
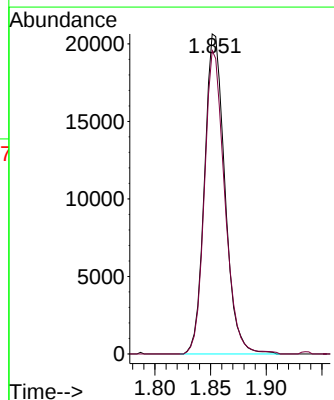
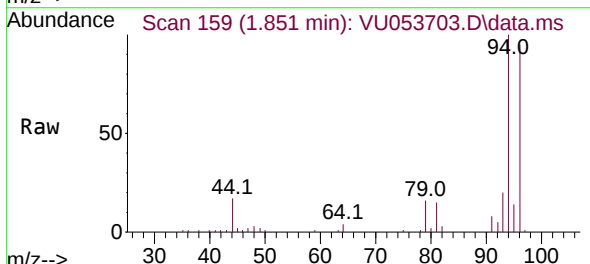
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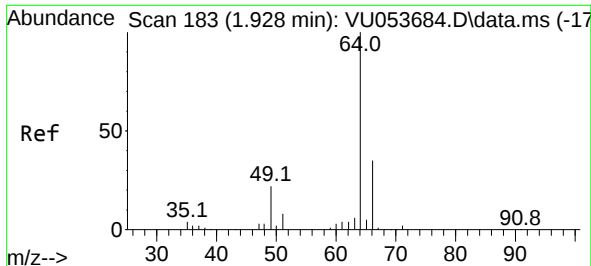
Tgt Ion: 62 Resp: 63638
 Ion Ratio Lower Upper
 62 100
 64 35.4 24.1 44.7



#6
 Bromomethane
 Concen: 3.644 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

Tgt Ion: 94 Resp: 26227
 Ion Ratio Lower Upper
 94 100
 96 94.8 68.3 126.8





#8

Chloroethane

Concen: 5.820 ug/L

RT: 1.929 min Scan# 183

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

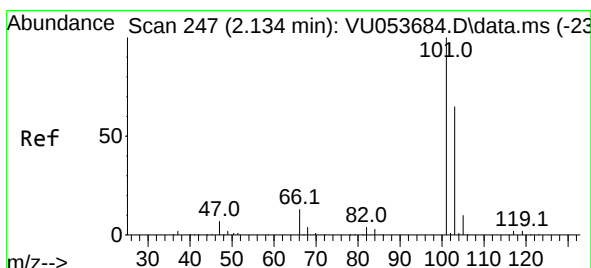
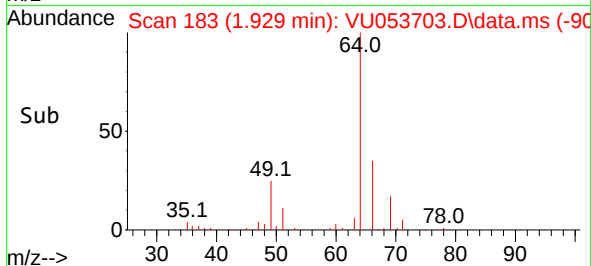
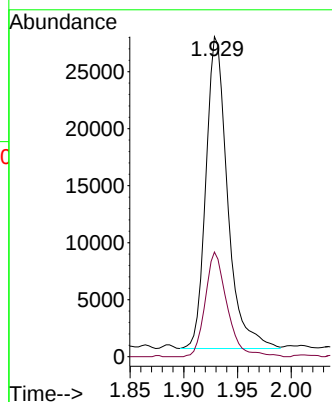
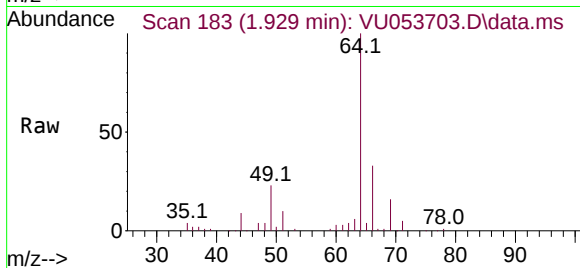
VSTD005149

Tgt Ion: 64 Resp: 38446

Ion Ratio Lower Upper

64 100

66 32.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.228 ug/L

RT: 2.134 min Scan# 247

Delta R.T. 0.000 min

Lab File: VU053703.D

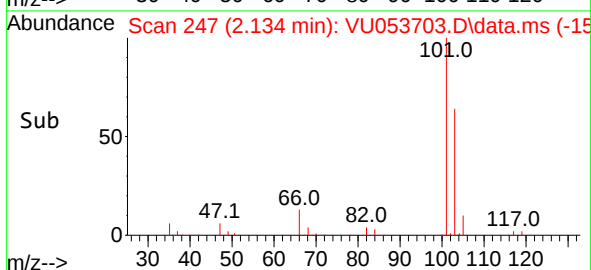
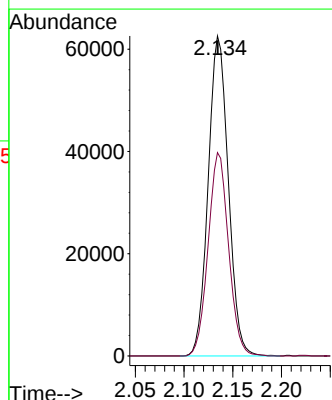
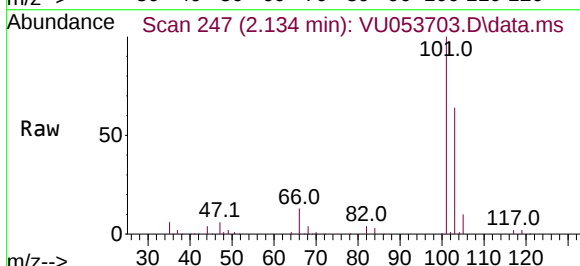
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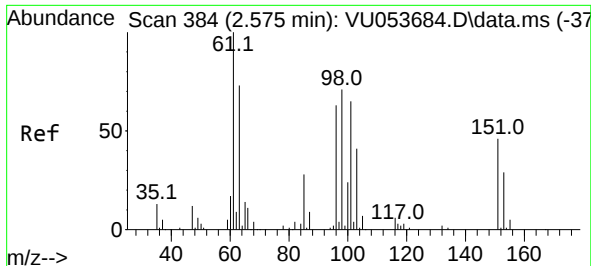
Tgt Ion:101 Resp: 89712

Ion Ratio Lower Upper

101 100

103 64.6 50.2 75.2

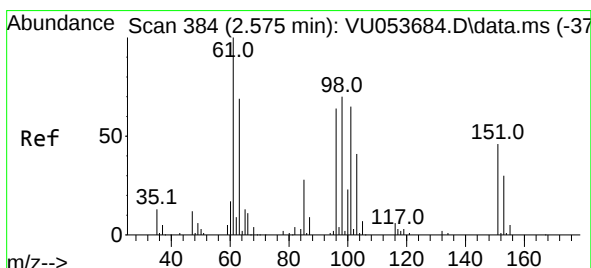
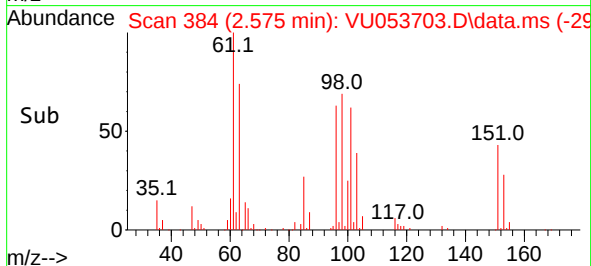
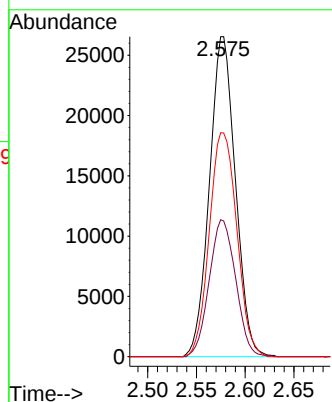
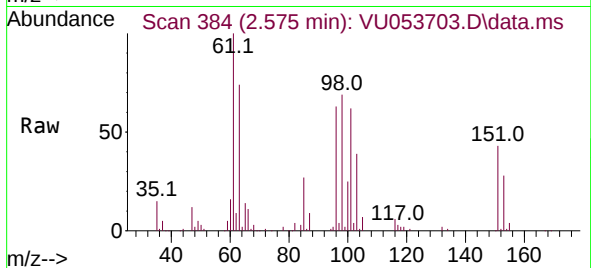




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.654 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

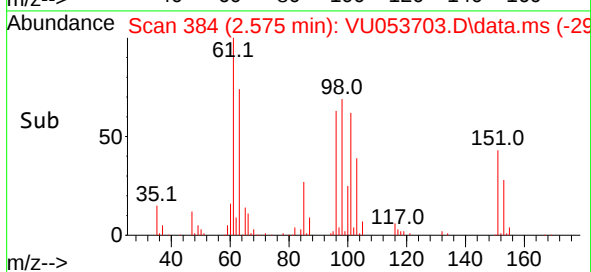
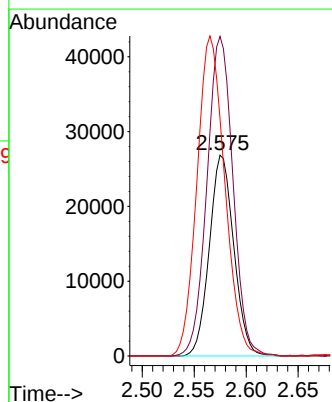
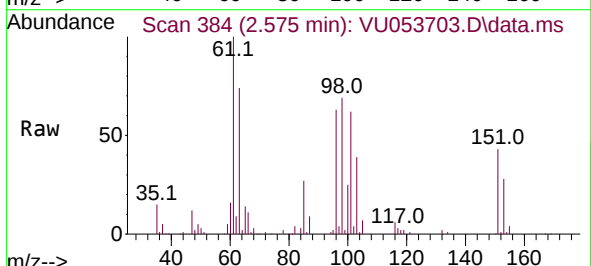
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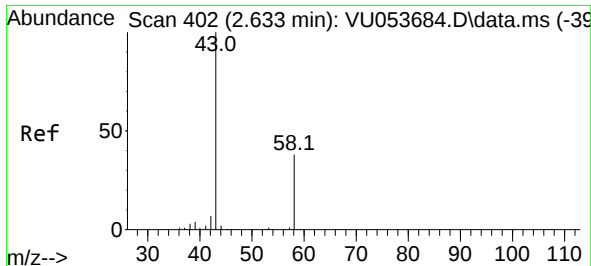
Tgt Ion:101 Resp: 49182
 Ion Ratio Lower Upper
 101 100
 85 43.6 37.0 55.4
 151 74.2 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.560 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

Tgt Ion: 96 Resp: 43944
 Ion Ratio Lower Upper
 96 100
 61 159.2 116.8 216.8
 63 118.2 88.6 164.6





#13

Acetone

Concen: 48.995 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

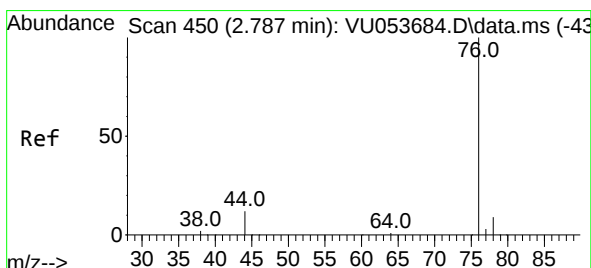
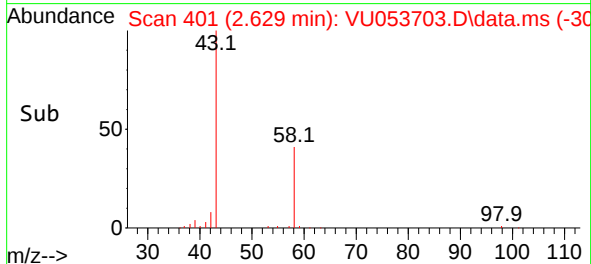
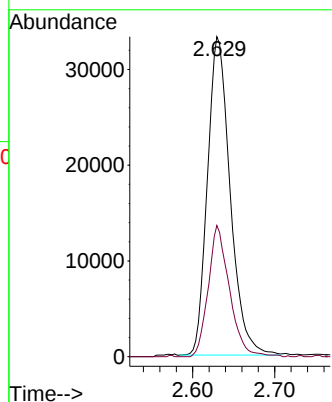
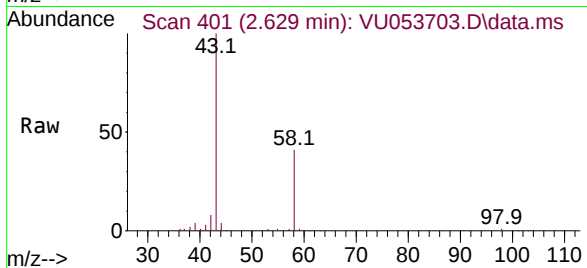
VSTD005149

Tgt Ion: 43 Resp: 63971

Ion Ratio Lower Upper

43 100

58 38.5 0.0 32.2#



#14

Carbon disulfide

Concen: 5.212 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU053703.D

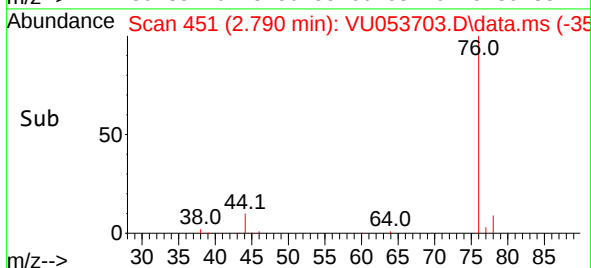
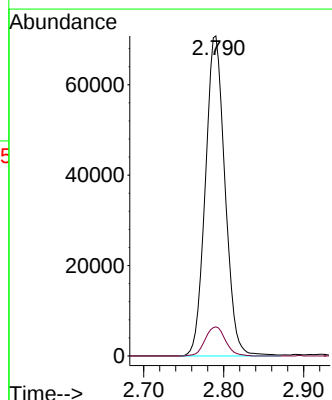
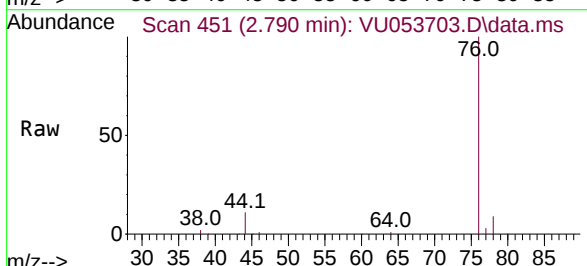
Acq: 14 Apr 2023 09:31

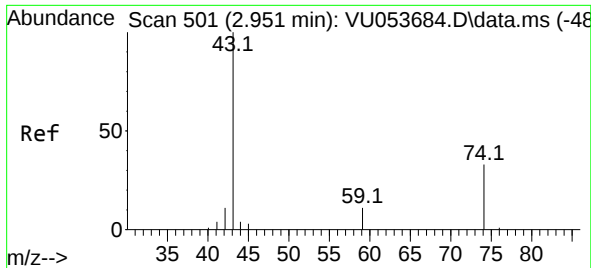
Tgt Ion: 76 Resp: 120913

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

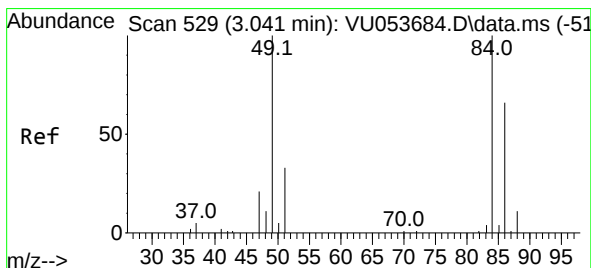
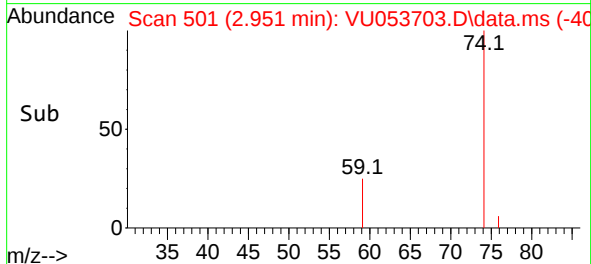
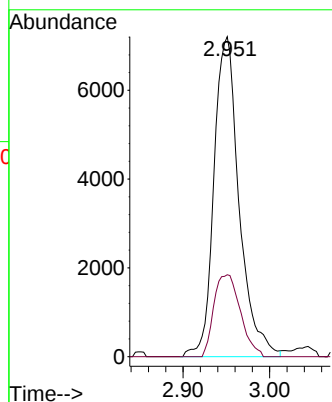
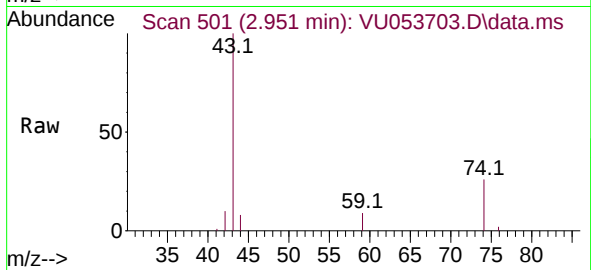




#15
Methyl Acetate
Concen: 4.764 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

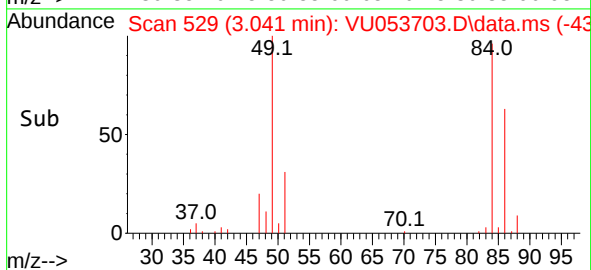
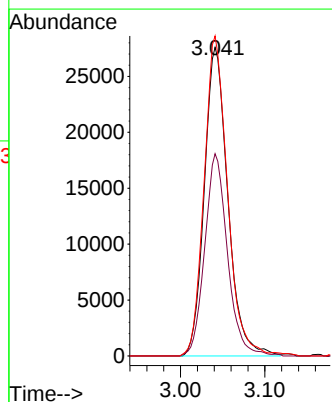
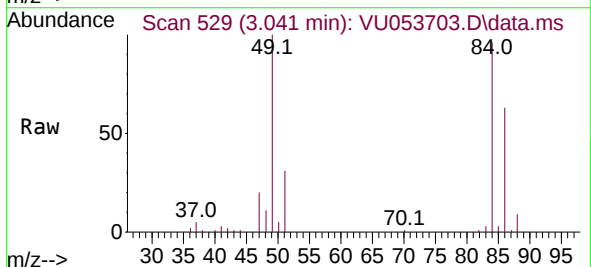
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

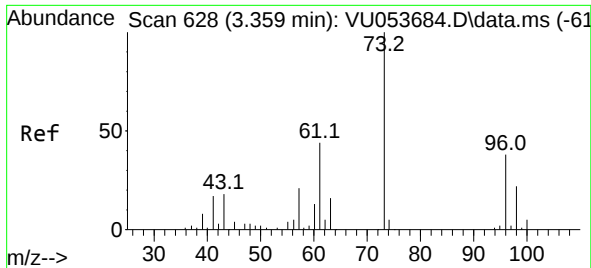
Tgt Ion: 43 Resp: 14590
Ion Ratio Lower Upper
43 100
74 26.9 20.8 31.2



#16
Methylene chloride
Concen: 5.165 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 84 Resp: 53617
Ion Ratio Lower Upper
84 100
86 65.5 44.7 83.1
49 103.7 75.5 140.1

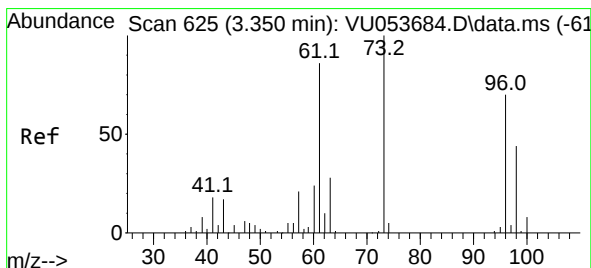
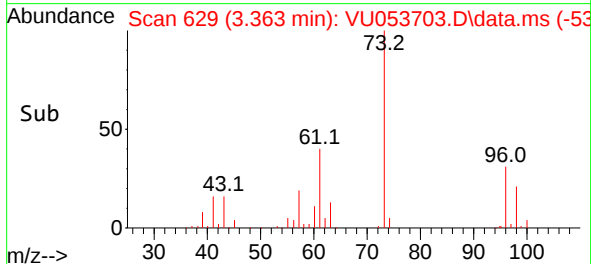
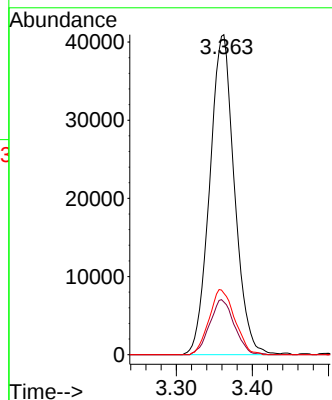
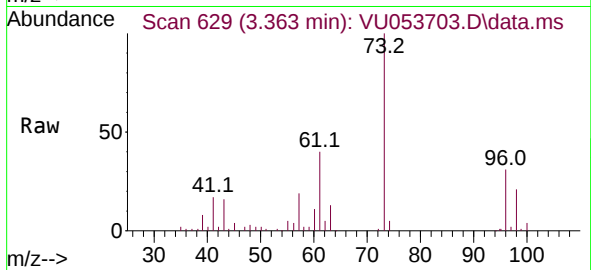




#17
Methyl tert-butyl Ether
Concen: 4.819 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

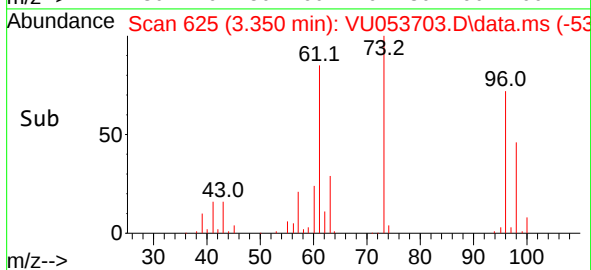
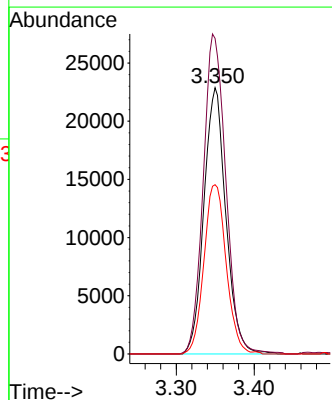
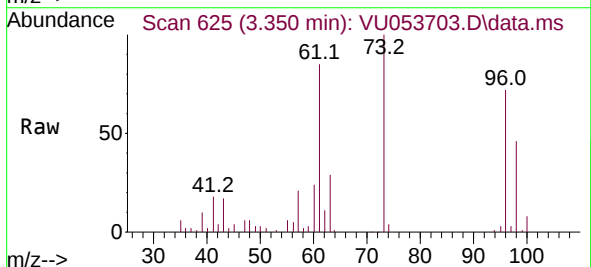
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

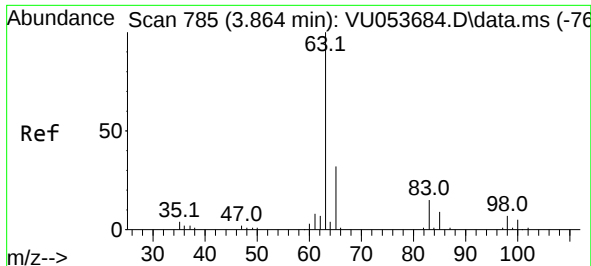
Tgt Ion: 73 Resp: 92338
Ion Ratio Lower Upper
73 100
43 17.2 13.9 20.9
57 21.1 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 5.466 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 96 Resp: 44875
Ion Ratio Lower Upper
96 100
61 118.5 95.5 177.3
98 63.6 42.2 78.4





#19

1,1-Dichloroethane

Concen: 5.286 ug/L

RT: 3.864 min Scan# 79943

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

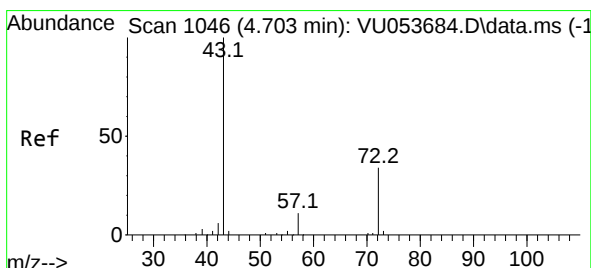
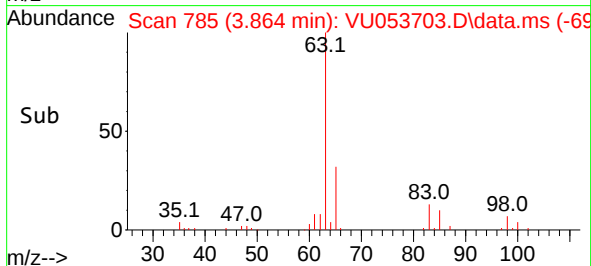
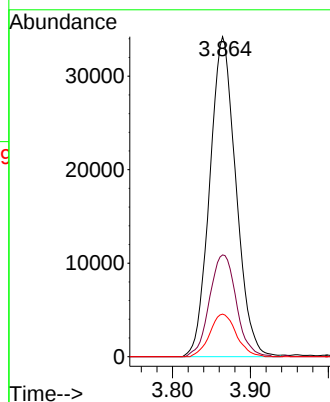
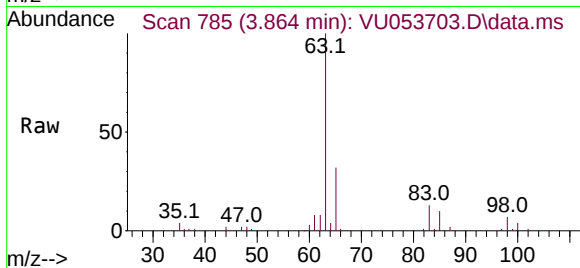
Tgt Ion: 63 Resp: 79943

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 13.3 8.1 15.1



#21

2-Butanone

Concen: 44.452 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU053703.D

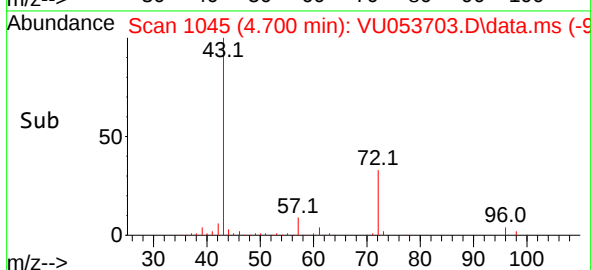
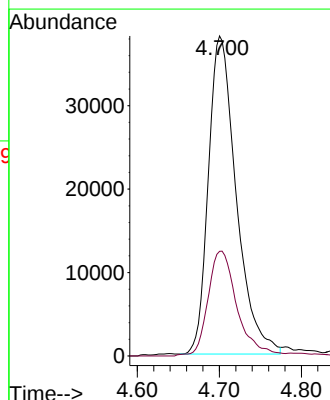
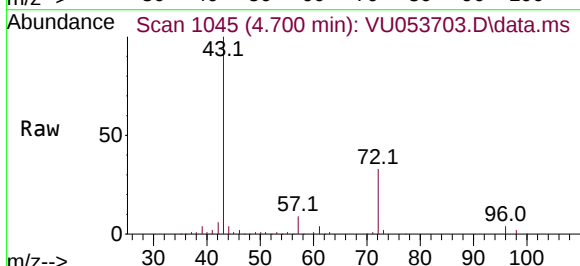
Acq: 14 Apr 2023 09:31

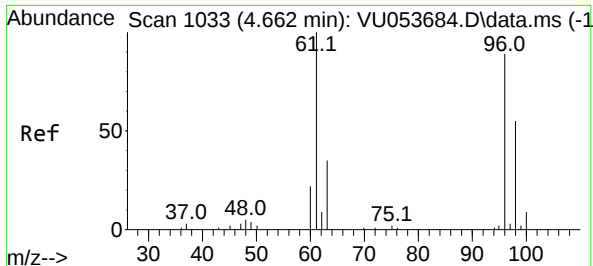
Tgt Ion: 43 Resp: 90121

Ion Ratio Lower Upper

43 100

72 34.3 16.2 48.6

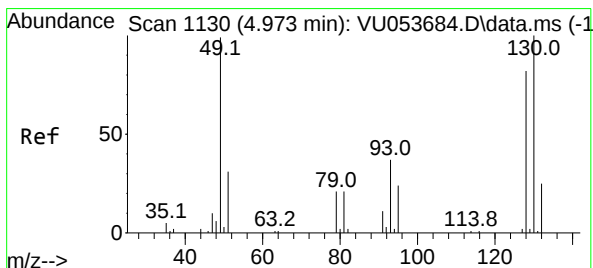
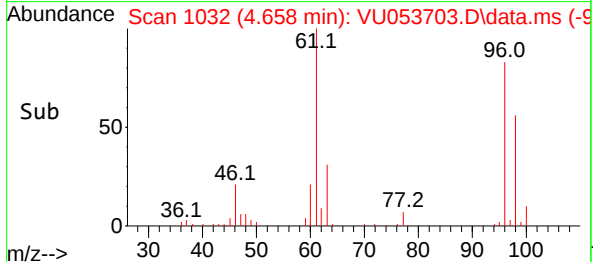
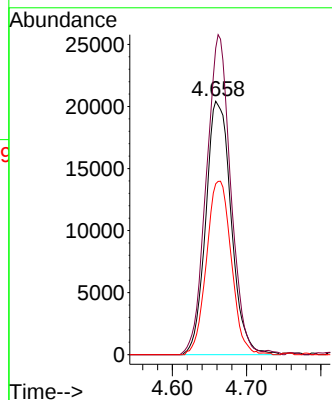
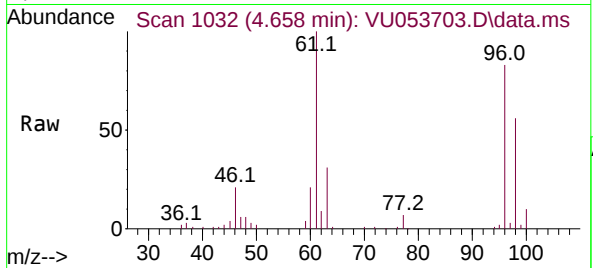




#22
 cis-1,2-Dichloroethene
 Concen: 4.393 ug/L
 RT: 4.658 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

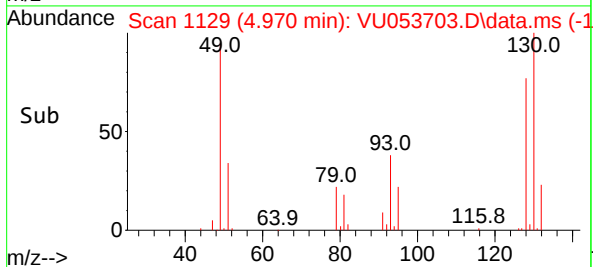
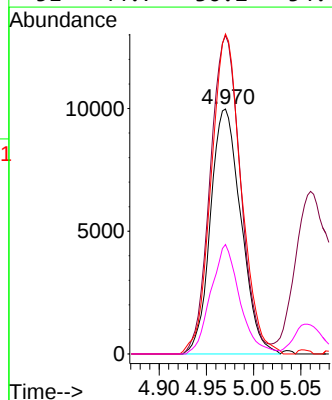
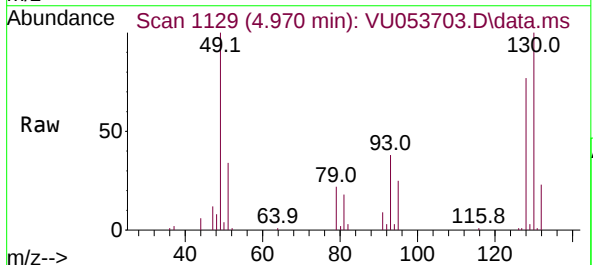
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

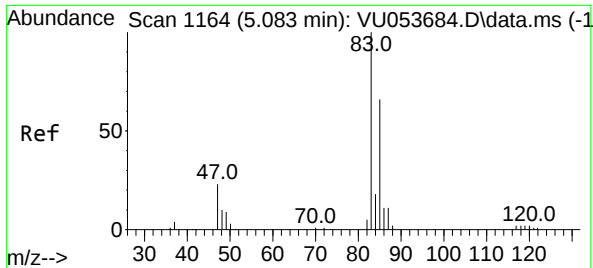
Tgt Ion: 96 Resp: 48596
 Ion Ratio Lower Upper
 96 100
 61 121.0 86.6 160.8
 98 67.4 47.7 88.5



#23
 Bromochloromethane
 Concen: 5.716 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU053703.D
 Acq: 14 Apr 2023 09:31

Tgt Ion:128 Resp: 22379
 Ion Ratio Lower Upper
 128 100
 49 130.0 102.8 190.8
 130 130.6 85.1 158.1
 51 44.7 36.2 54.4





#25

Chloroform

Concen: 5.579 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

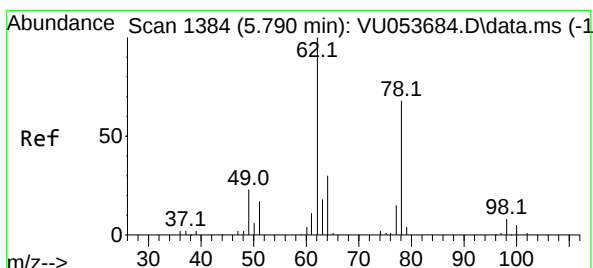
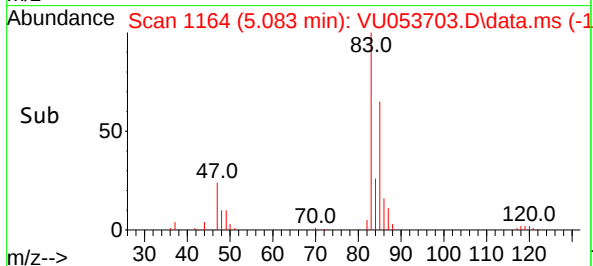
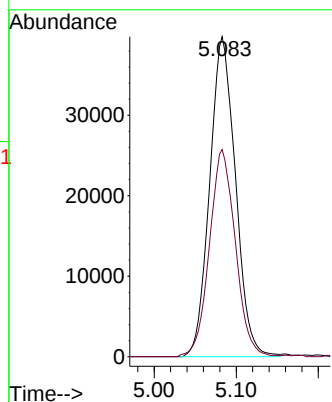
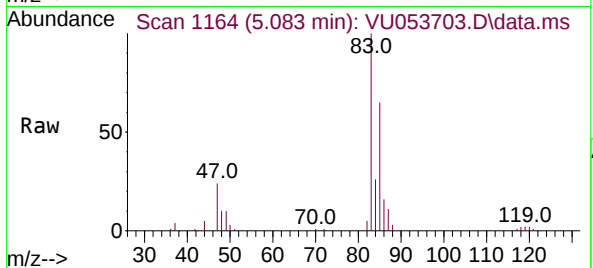
VSTD005149

Tgt Ion: 83 Resp: 86800

Ion Ratio Lower Upper

83 100

85 64.7 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.134 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053703.D

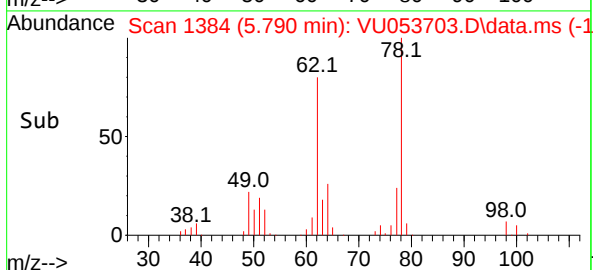
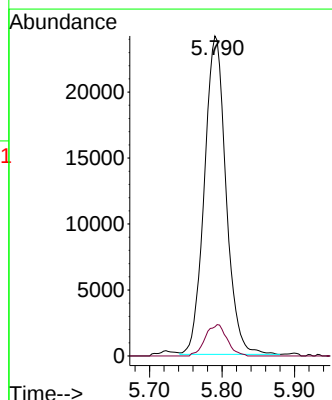
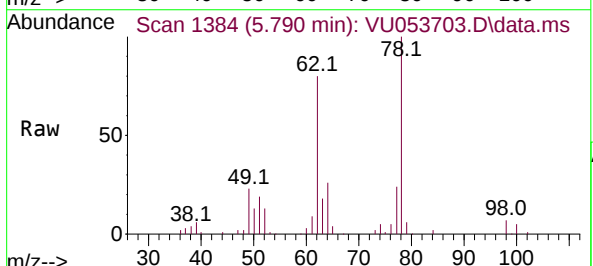
Acq: 14 Apr 2023 09:31

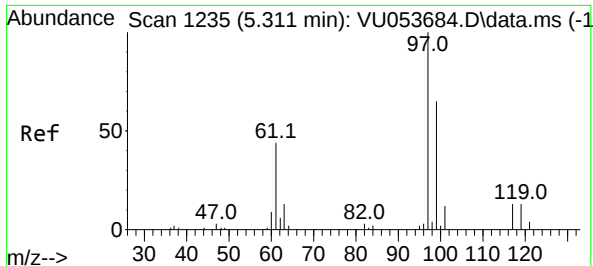
Tgt Ion: 62 Resp: 50033

Ion Ratio Lower Upper

62 100

98 9.1 6.4 9.6

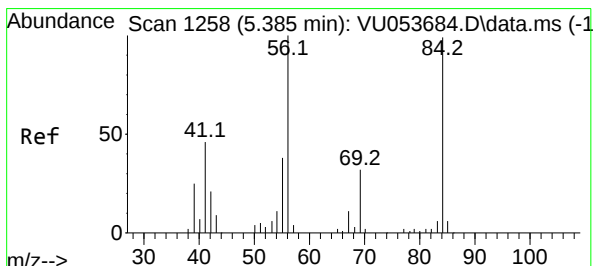
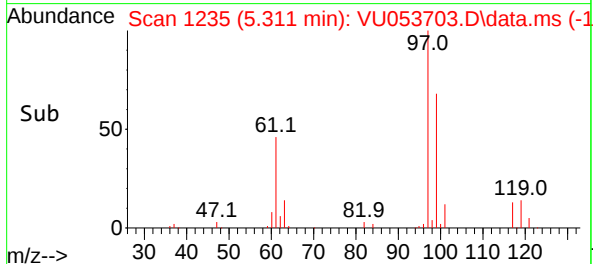
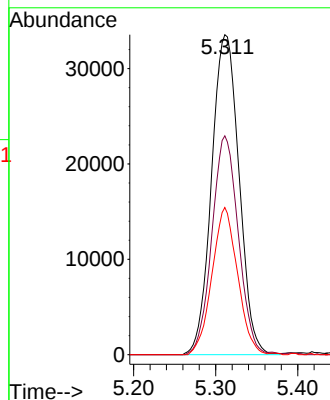
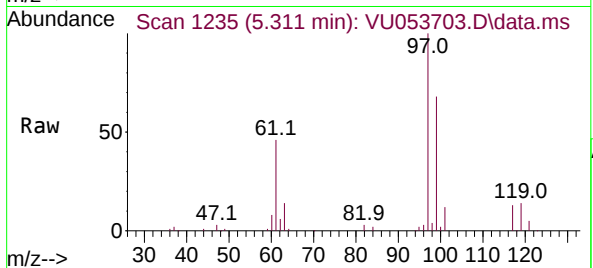




#29
1,1,1-Trichloroethane
Concen: 5.923 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

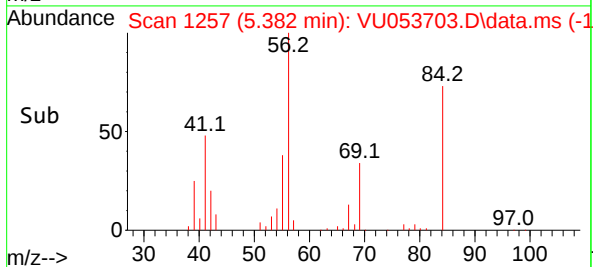
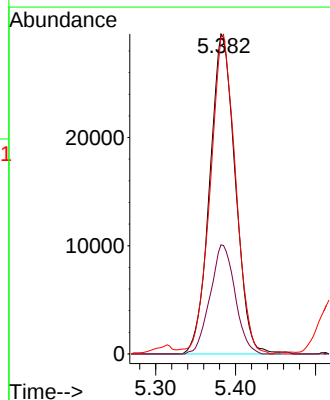
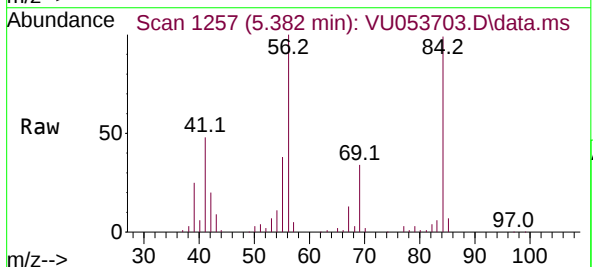
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

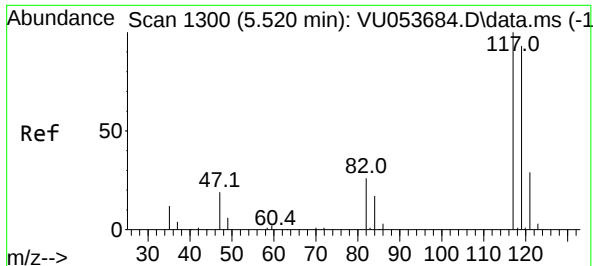
Tgt Ion:	97	Resp:	78022
Ion	Ratio	Lower	Upper
97	100		
99	65.7	49.9	74.9
61	42.8	35.7	53.5



#30
Cyclohexane
Concen: 4.659 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion:	56	Resp:	65396
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.1	39.1
84	99.0	75.6	113.4

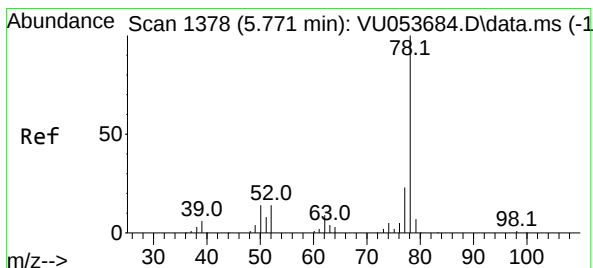
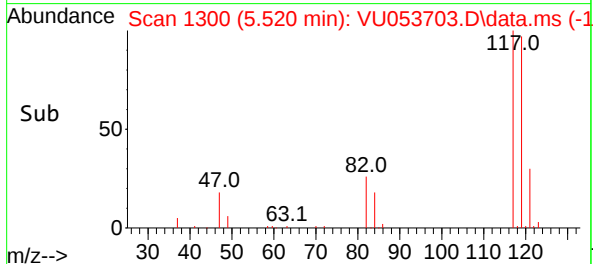
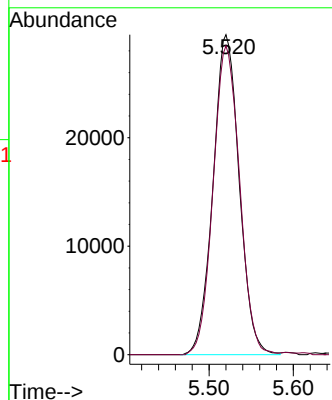
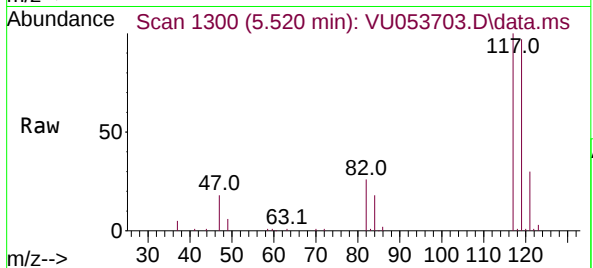




#31
Carbon tetrachloride
Concen: 5.707 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

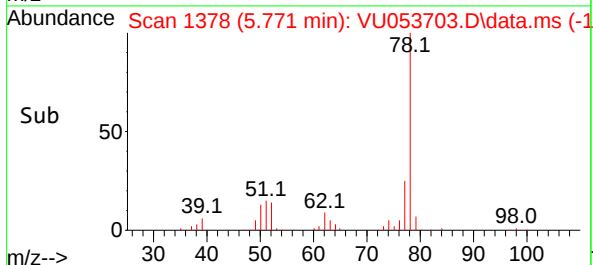
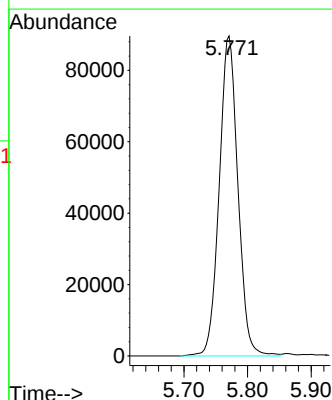
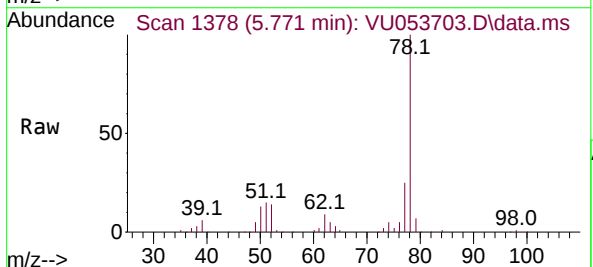
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

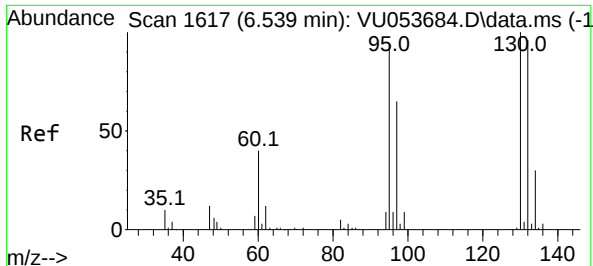
Tgt Ion:117 Resp: 63617
Ion Ratio Lower Upper
117 100
119 97.3 77.7 116.5



#33
Benzene
Concen: 5.117 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 78 Resp: 182944

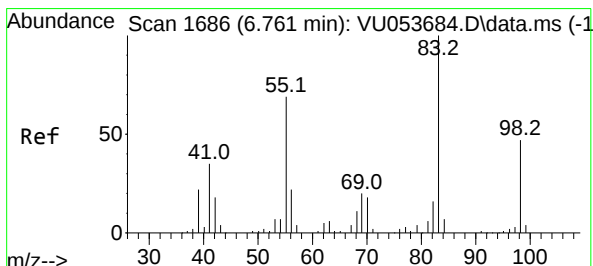
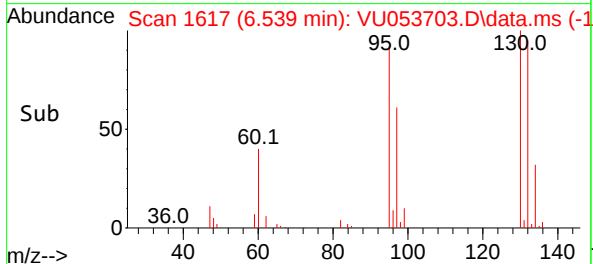
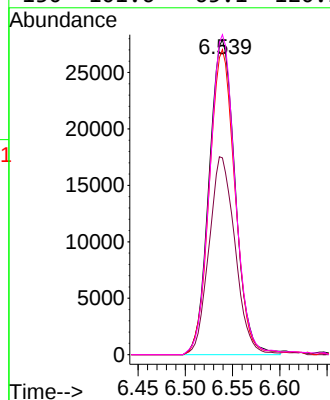
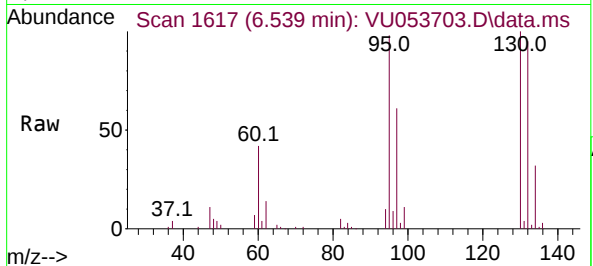




#34
Trichloroethene
Concen: 5.601 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

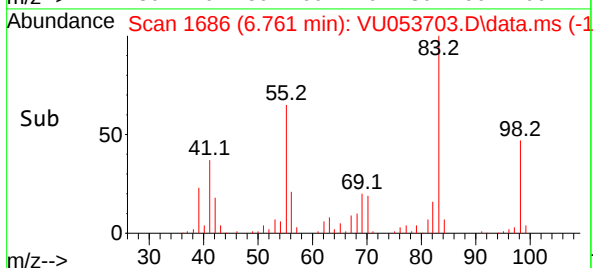
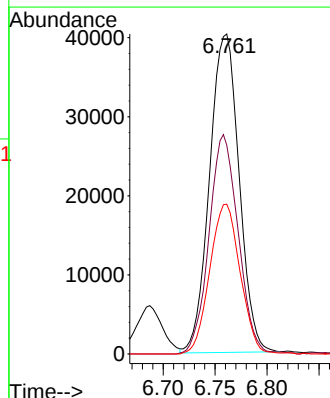
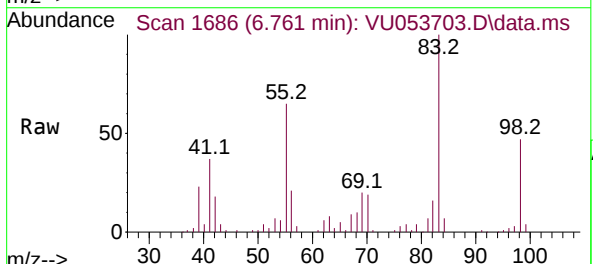
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

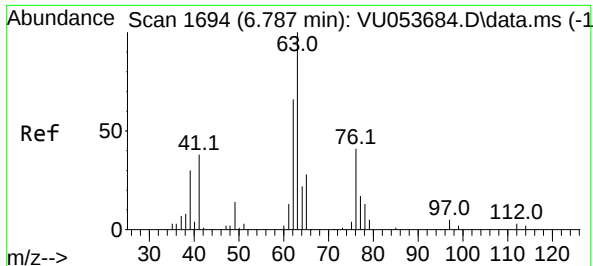
Tgt Ion: 95 Resp: 53325
Ion Ratio Lower Upper
95 100
97 62.5 45.3 84.1
132 96.9 62.8 116.6
130 101.6 65.1 120.9



#35
Methylcyclohexane
Concen: 4.879 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 83 Resp: 79701
Ion Ratio Lower Upper
83 100
55 68.1 54.9 82.3
98 48.3 34.9 52.3

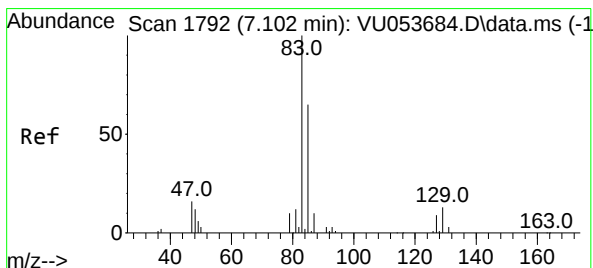
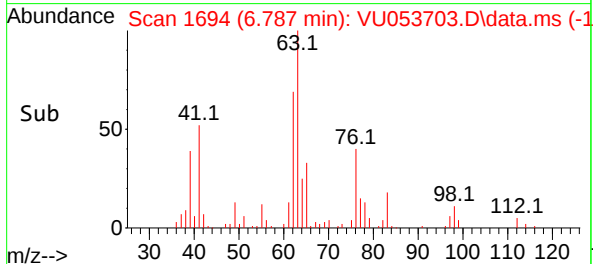
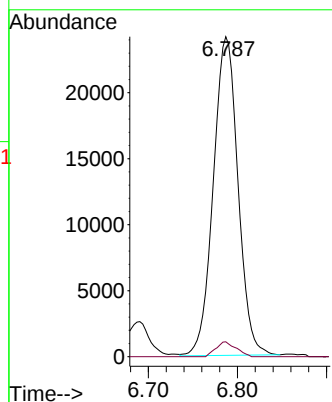
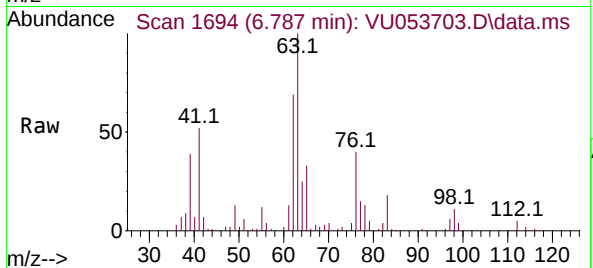




#37
1,2-Dichloropropane
Concen: 4.923 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

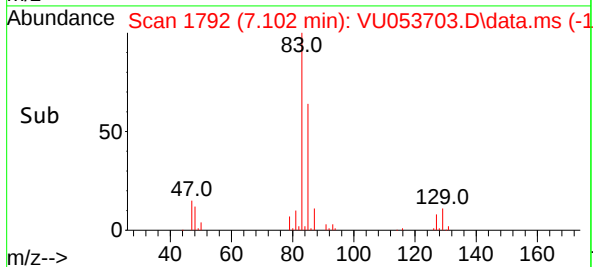
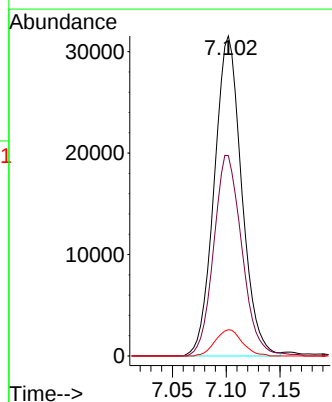
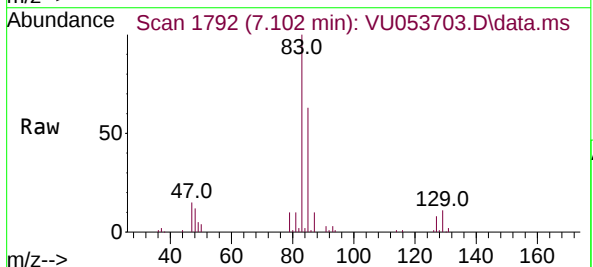
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

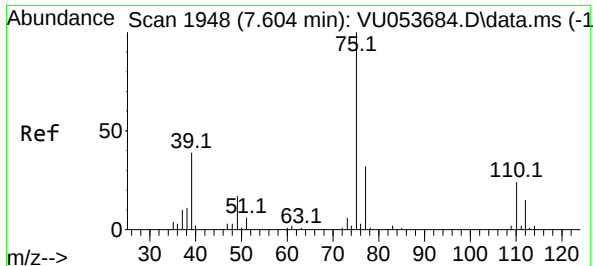
Tgt Ion: 63 Resp: 46469
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 5.336 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 83 Resp: 55947
Ion Ratio Lower Upper
83 100
85 62.6 44.0 81.8
127 8.2 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.956 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

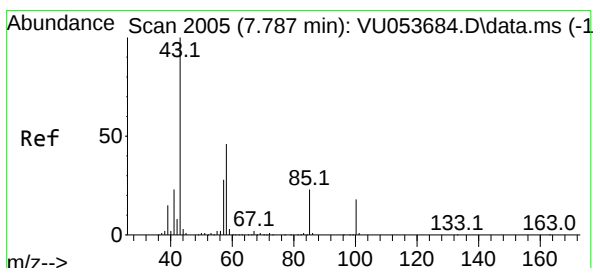
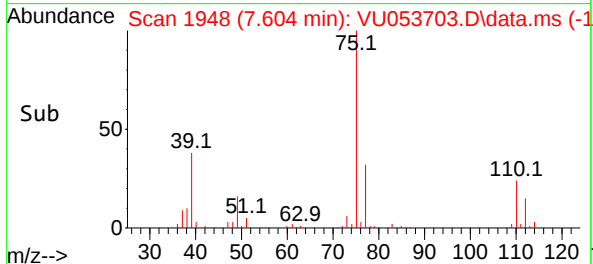
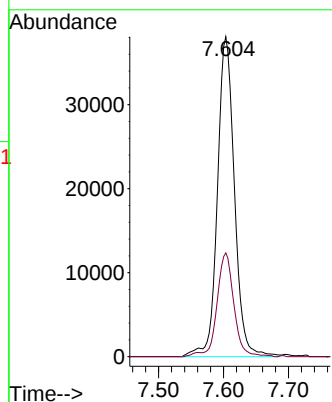
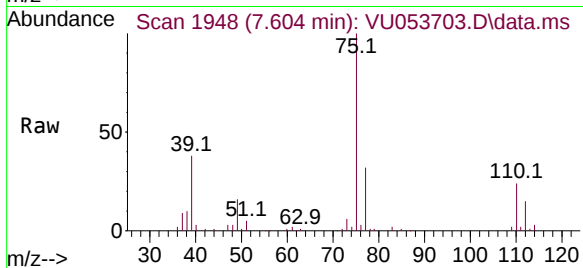
VSTD005149

Tgt Ion: 75 Resp: 69115

Ion Ratio Lower Upper

75 100

77 32.5 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 46.531 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

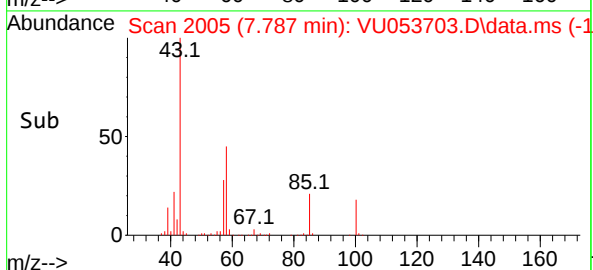
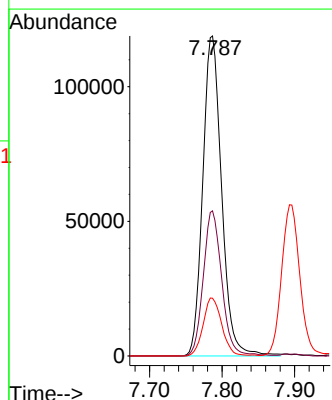
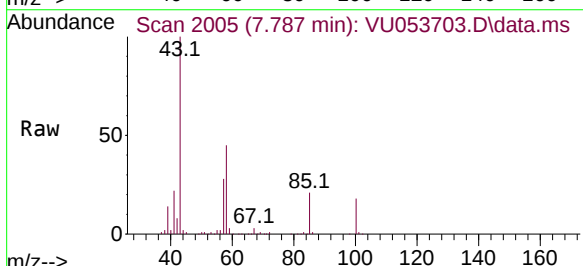
Tgt Ion: 43 Resp: 214952

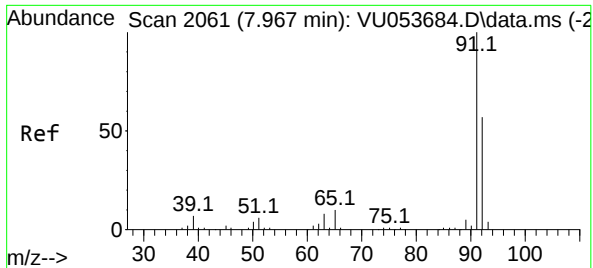
Ion Ratio Lower Upper

43 100

58 44.6 37.4 56.0

100 17.9 14.0 21.0





#42

Toluene

Concen: 5.125 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

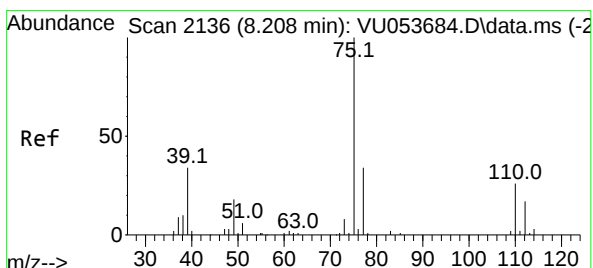
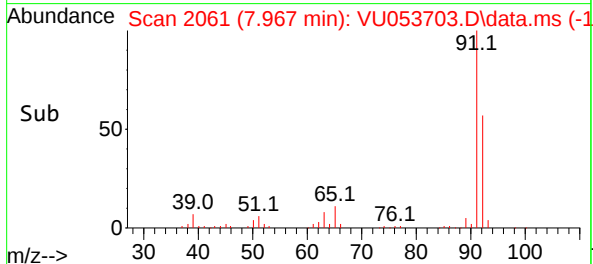
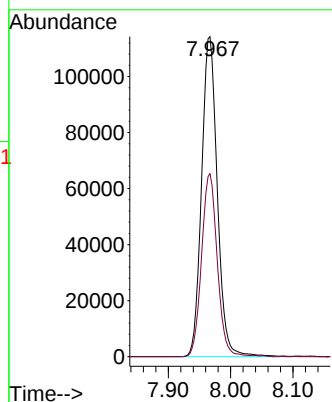
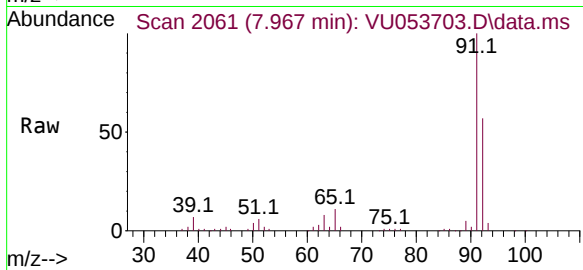
VSTD005149

Tgt Ion: 91 Resp: 200207

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.942 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053703.D

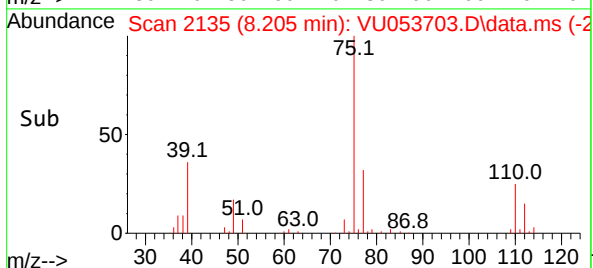
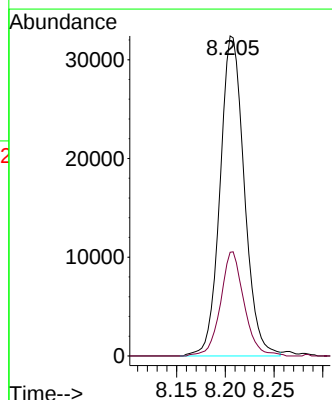
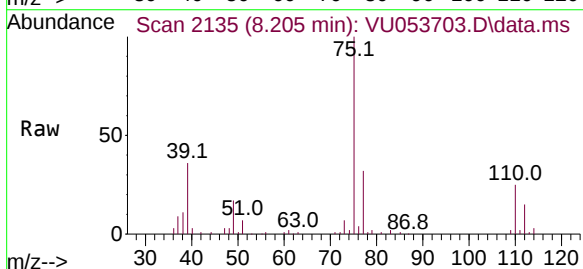
Acq: 14 Apr 2023 09:31

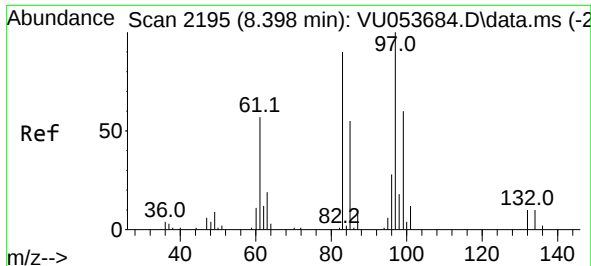
Tgt Ion: 75 Resp: 56080

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.082 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

Tgt Ion: 97 Resp: 34063

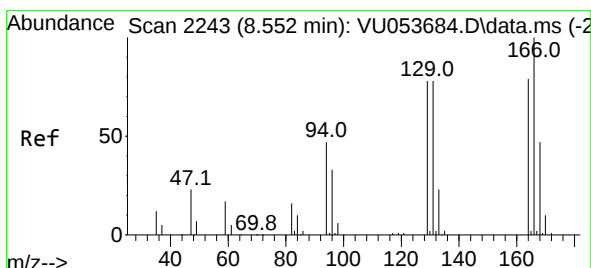
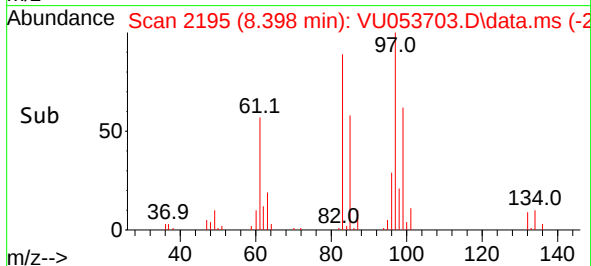
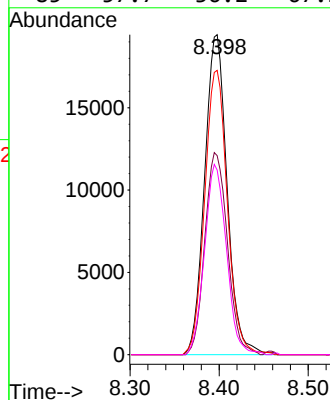
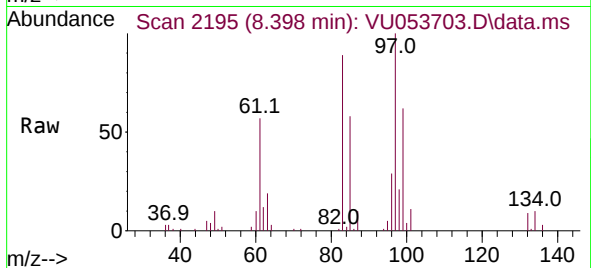
Ion Ratio Lower Upper

97 100

99 62.2 38.9 72.2

83 88.8 57.6 107.0

85 57.7 36.2 67.2



#47

Tetrachloroethene

Concen: 5.870 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Tgt Ion: 164 Resp: 41065

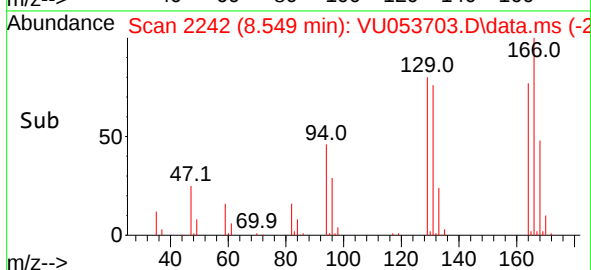
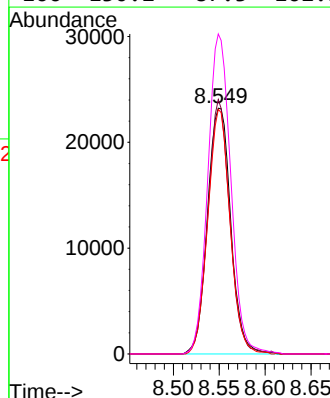
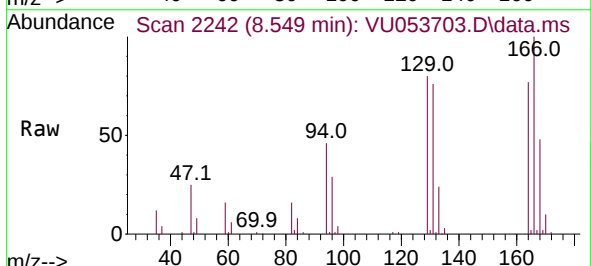
Ion Ratio Lower Upper

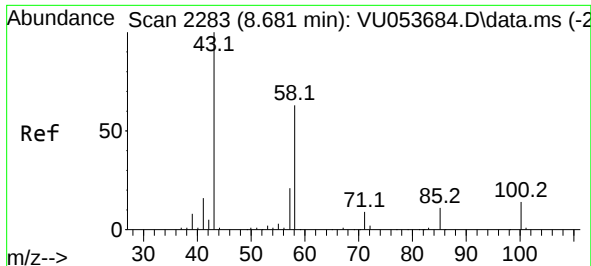
164 100

129 103.5 74.8 138.8

131 99.5 70.1 130.1

166 130.2 87.3 162.1



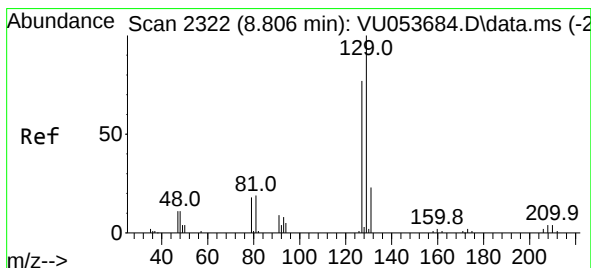
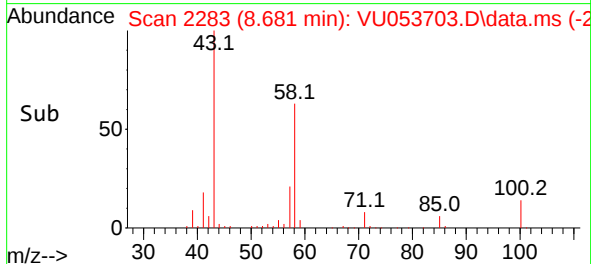
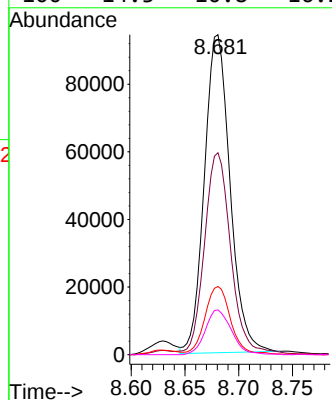
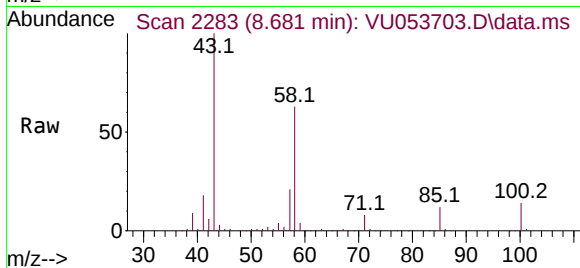


#48
2-Hexanone
Concen: 45.873 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

Tgt Ion: 43 Resp: 156690

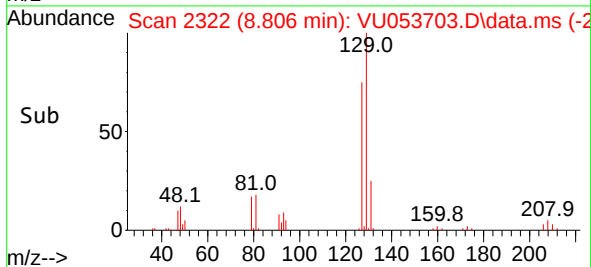
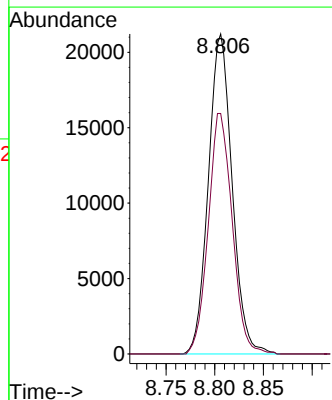
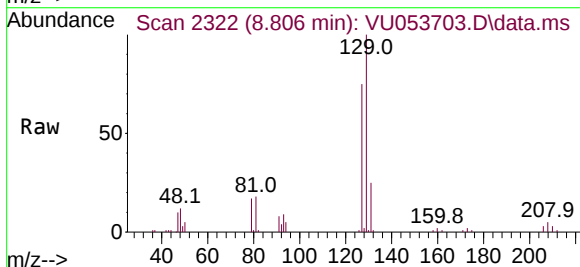
Ion	Ratio	Lower	Upper
43	100		
58	64.5	52.8	79.2
57	21.2	17.1	25.7
100	14.3	10.8	16.2

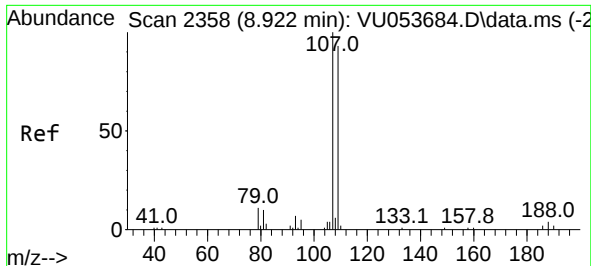


#49
Dibromochloromethane
Concen: 5.436 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 129 Resp: 36030

Ion	Ratio	Lower	Upper
129	100		
127	75.2	52.2	97.0





#50

1,2-Dibromoethane

Concen: 5.140 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

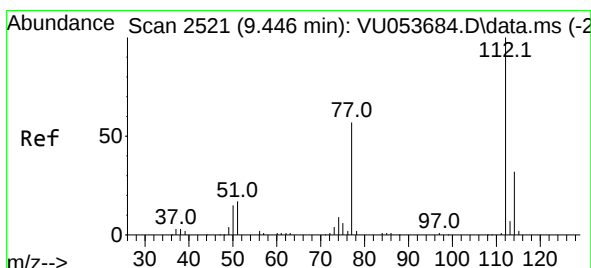
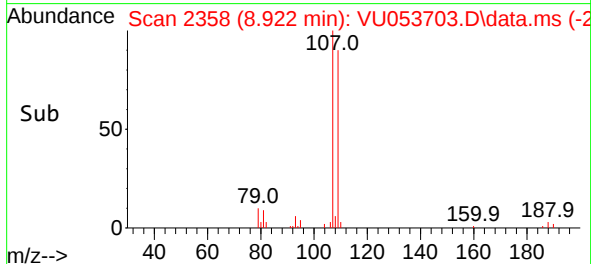
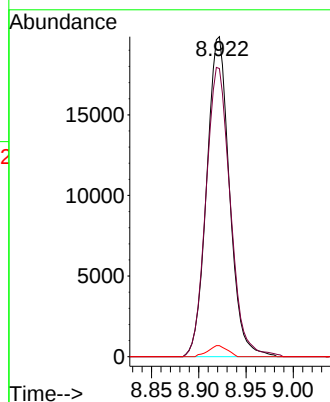
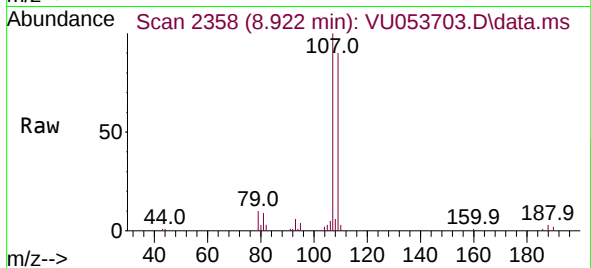
Tgt Ion:107 Resp: 33274

Ion Ratio Lower Upper

107 100

109 90.0 64.7 120.1

188 3.5 3.0 4.6



#51

Chlorobenzene

Concen: 5.313 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

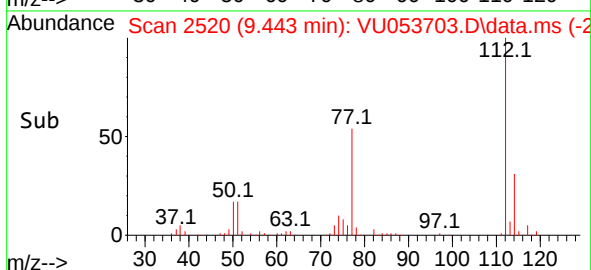
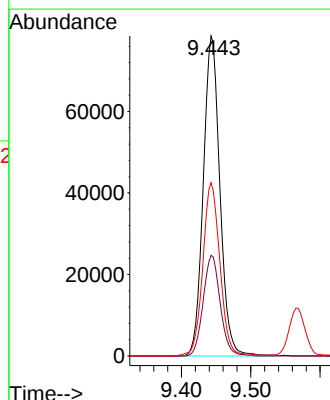
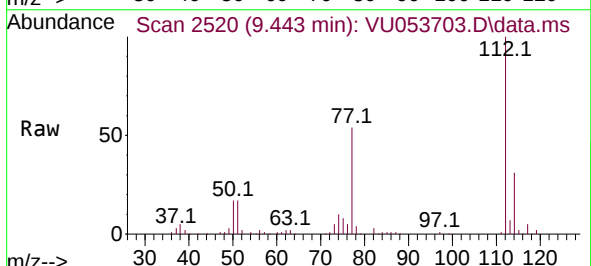
Tgt Ion:112 Resp: 130923

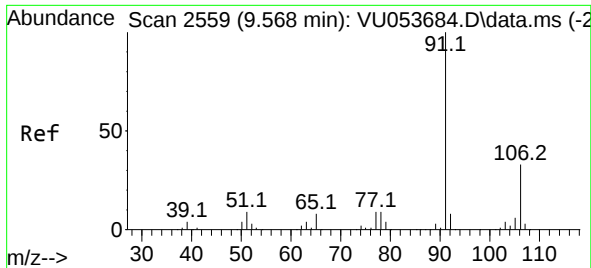
Ion Ratio Lower Upper

112 100

114 31.5 22.1 41.1

77 54.1 45.8 68.6

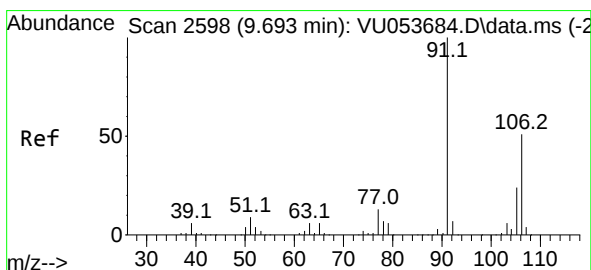
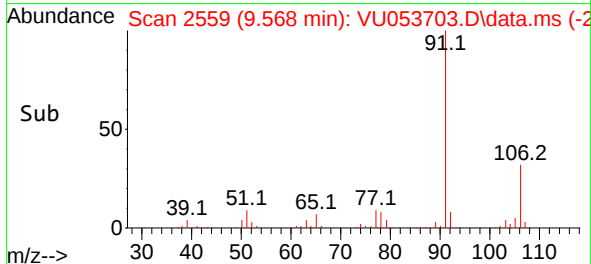
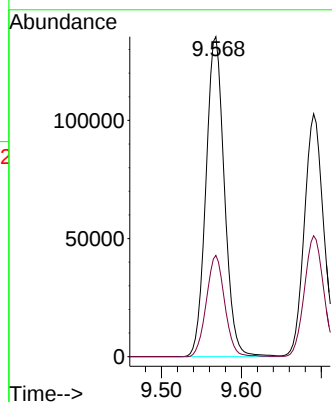
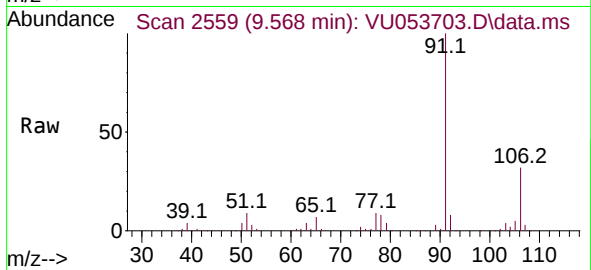




#52
Ethylbenzene
Concen: 5.111 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

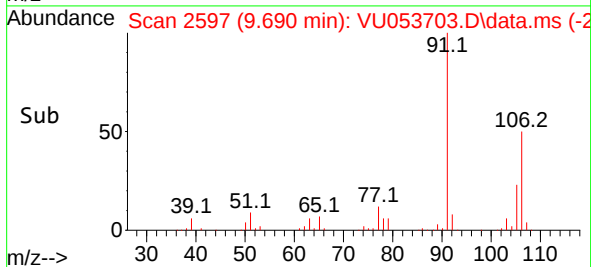
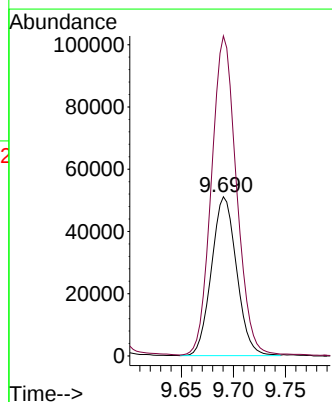
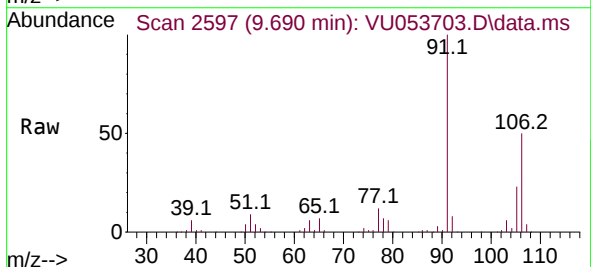
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

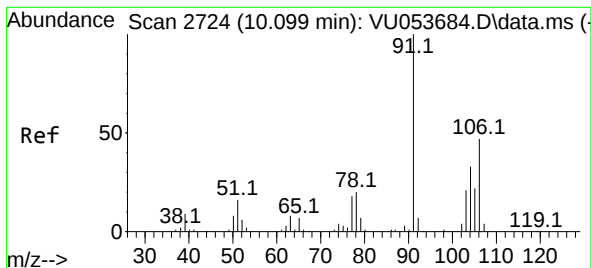
Tgt Ion: 91 Resp: 217636
Ion Ratio Lower Upper
91 100
106 31.7 22.5 41.9



#53
m,p-Xylene
Concen: 5.281 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion: 106 Resp: 85716
Ion Ratio Lower Upper
106 100
91 200.9 138.8 257.8





#54

o-Xylene

Concen: 5.125 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

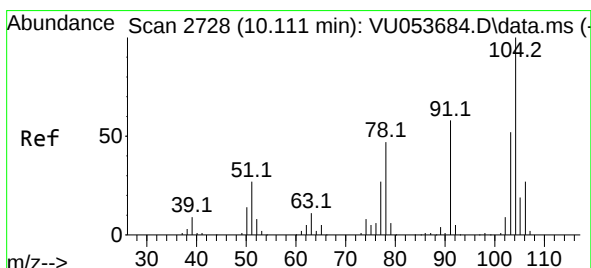
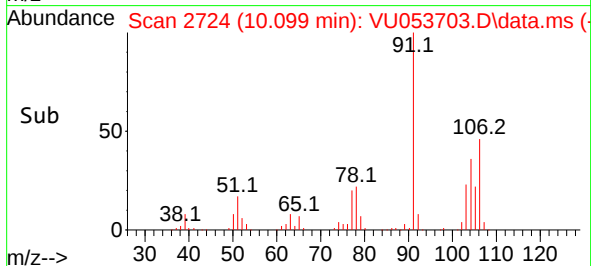
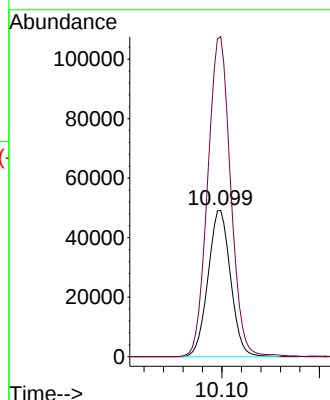
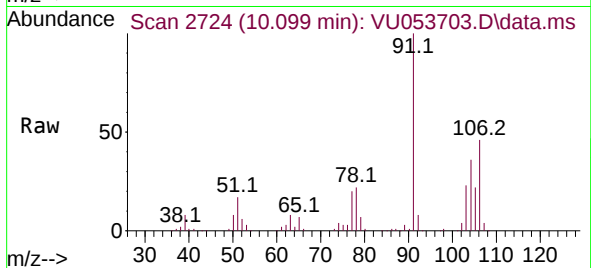
VSTD005149

Tgt Ion:106 Resp: 78938

Ion Ratio Lower Upper

106 100

91 218.6 150.8 280.0



#55

Styrene

Concen: 5.255 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053703.D

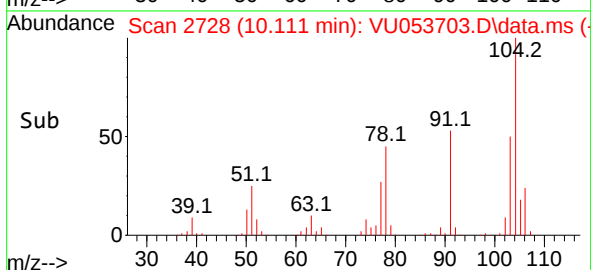
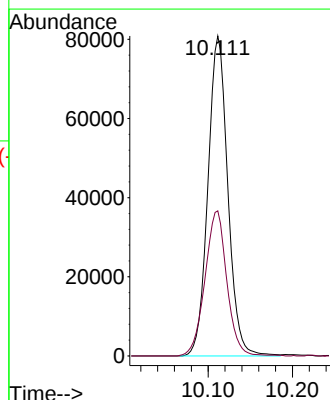
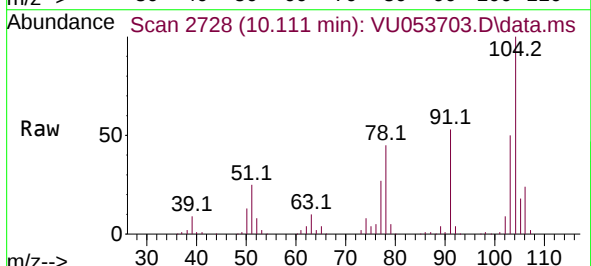
Acq: 14 Apr 2023 09:31

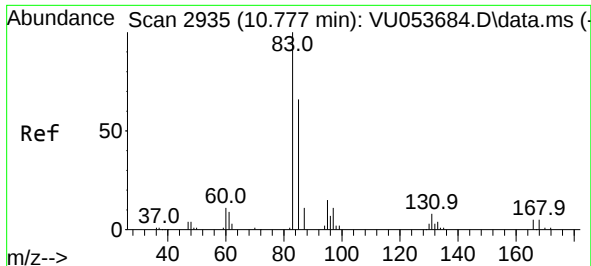
Tgt Ion:104 Resp: 132909

Ion Ratio Lower Upper

104 100

78 45.4 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.794 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

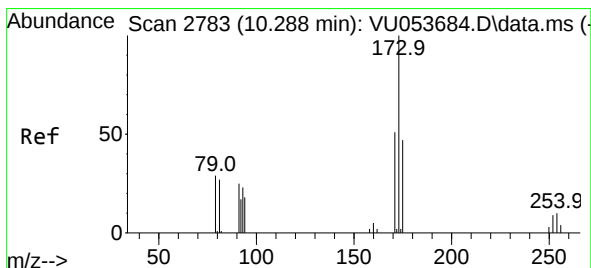
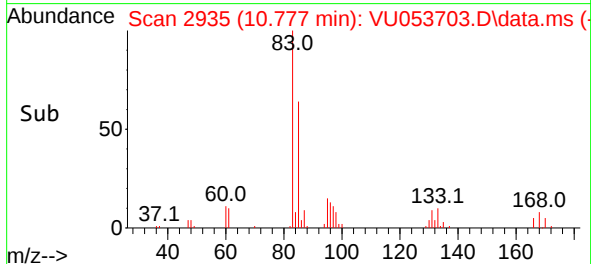
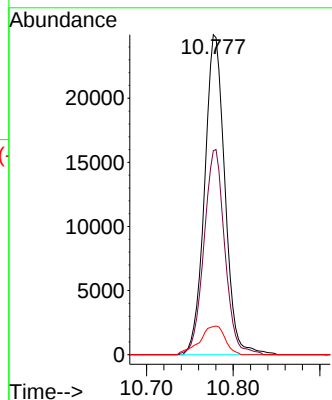
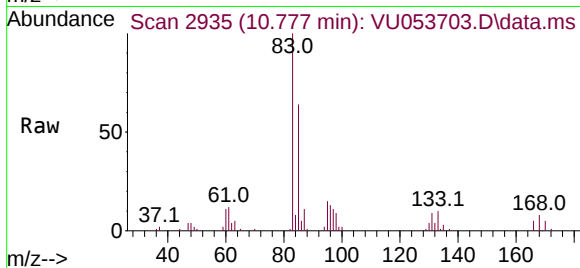
Tgt Ion: 83 Resp: 40575

Ion Ratio Lower Upper

83 100

85 63.8 43.8 81.4

131 8.7 7.2 10.8



#59

Bromoform

Concen: 5.178 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

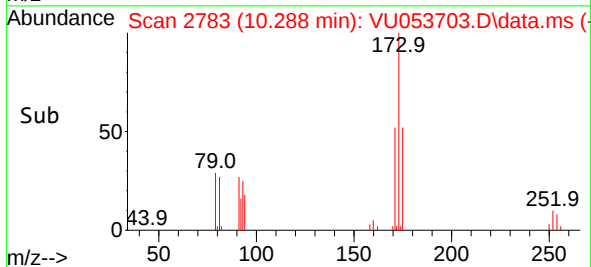
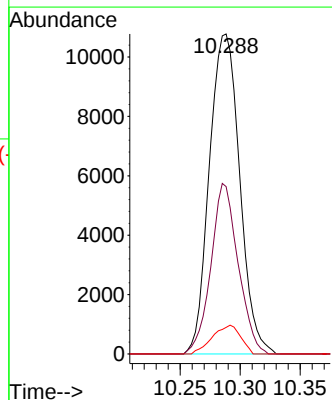
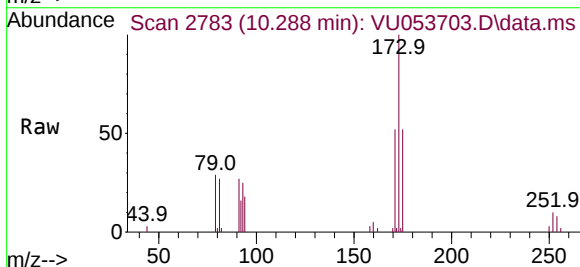
Tgt Ion:173 Resp: 18948

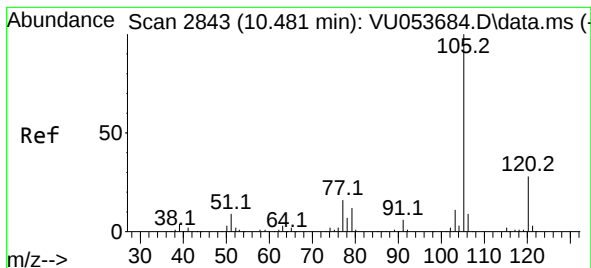
Ion Ratio Lower Upper

173 100

175 47.8 39.9 59.9

254 8.4 6.6 9.8





#60

Isopropylbenzene

Concen: 5.065 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

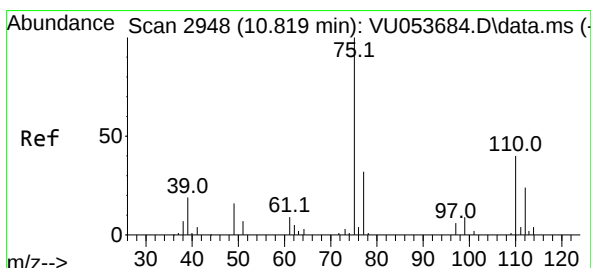
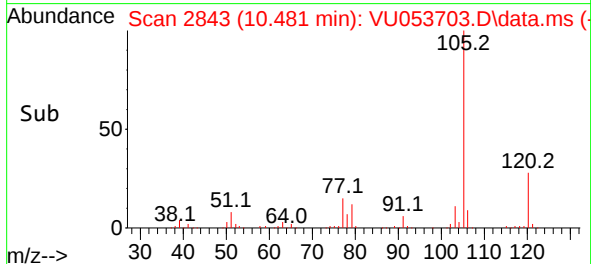
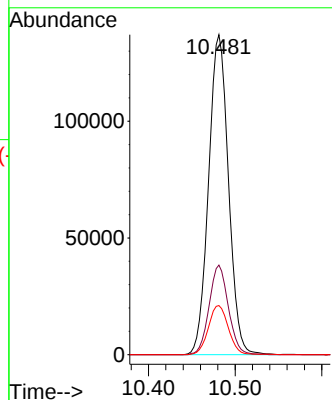
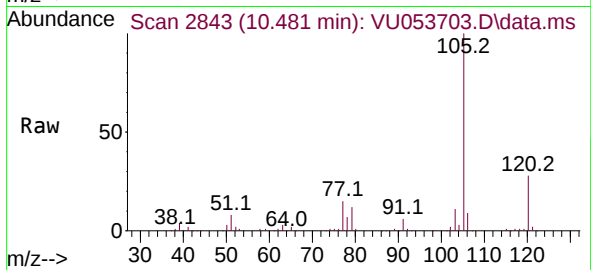
Tgt Ion:105 Resp: 218664

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

77 15.4 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.657 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

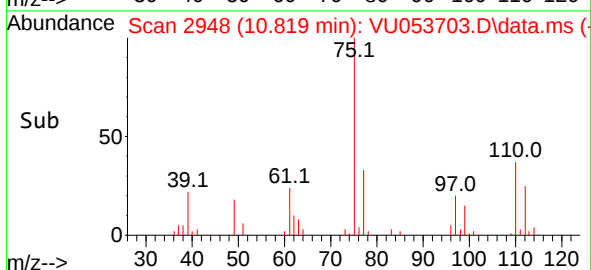
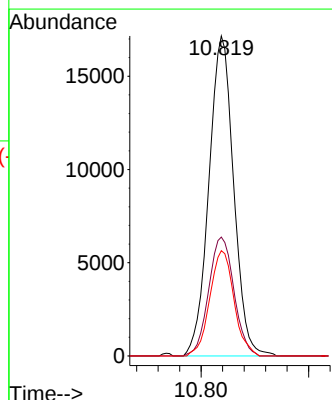
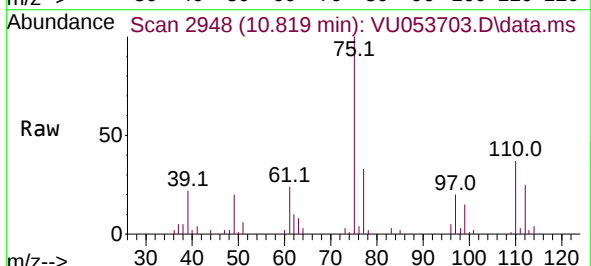
Tgt Ion: 75 Resp: 27426

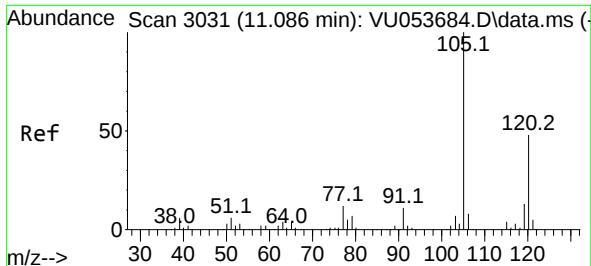
Ion Ratio Lower Upper

75 100

110 38.0 30.6 46.0

77 32.1 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.075 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

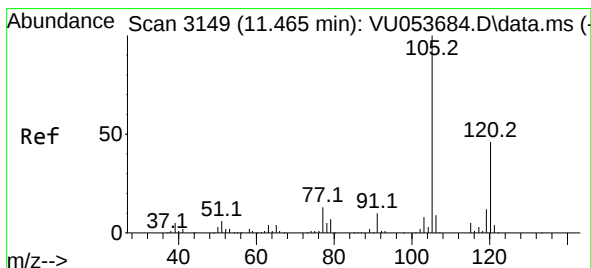
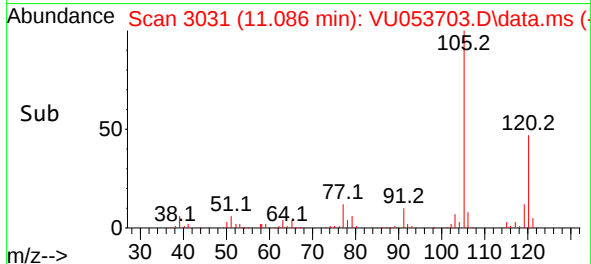
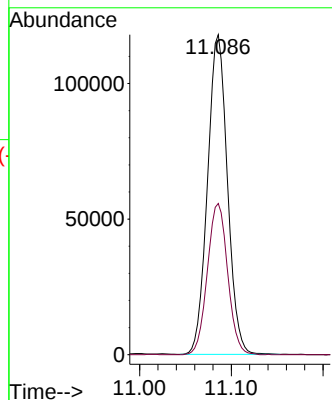
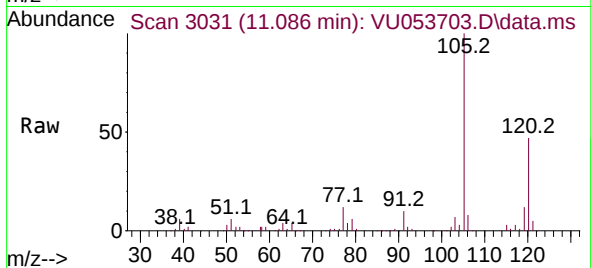
VSTD005149

Tgt Ion:105 Resp: 177784

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.081 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU053703.D

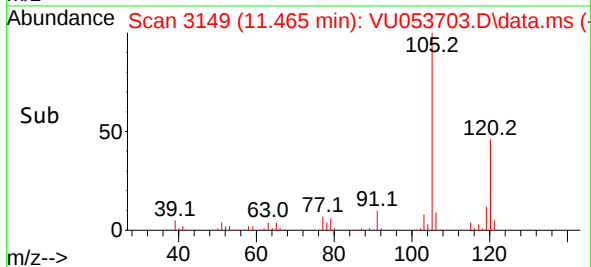
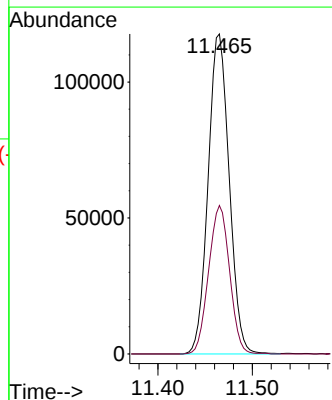
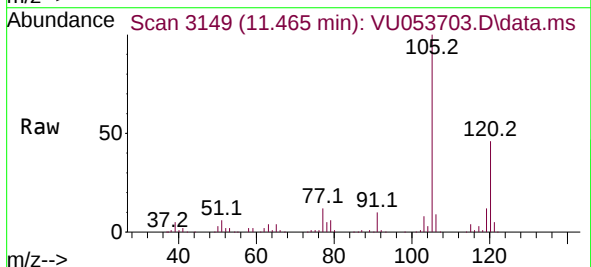
Acq: 14 Apr 2023 09:31

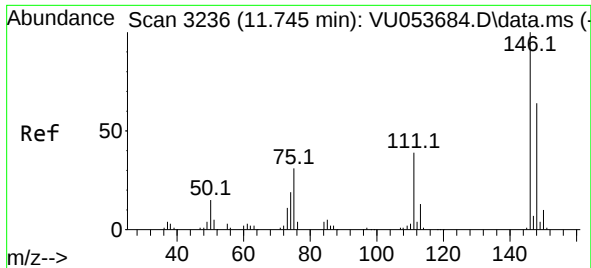
Tgt Ion:105 Resp: 182291

Ion Ratio Lower Upper

105 100

120 46.1 35.4 53.0

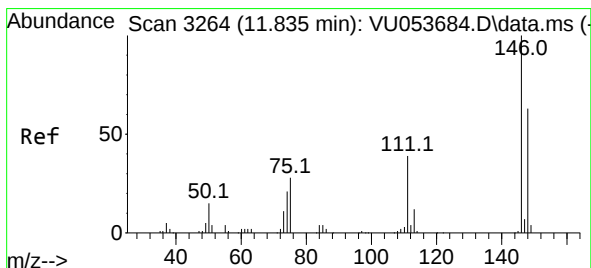
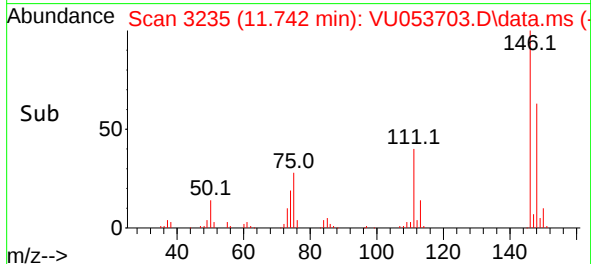
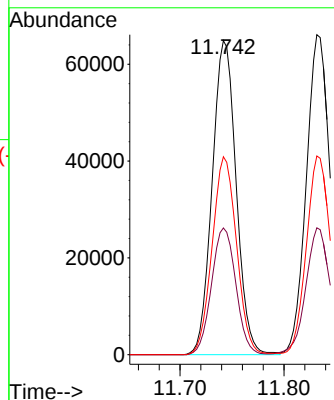
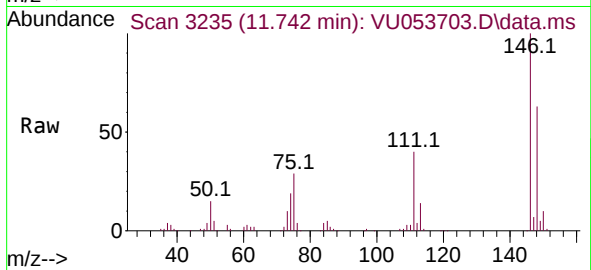




#64
1,3-Dichlorobenzene
Concen: 5.483 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

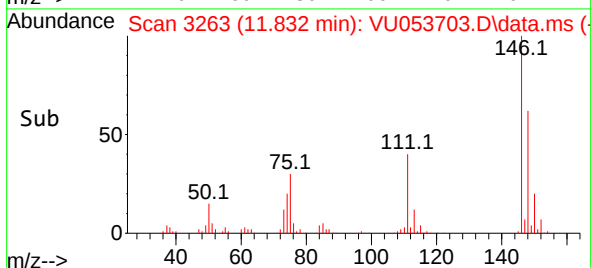
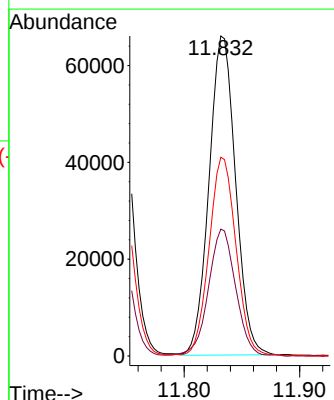
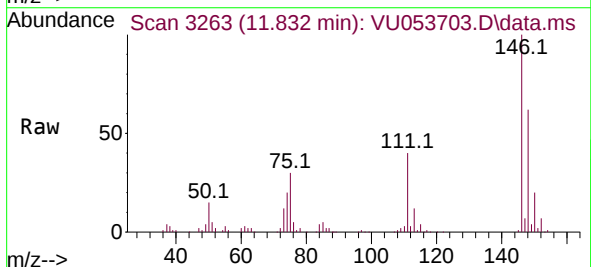
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

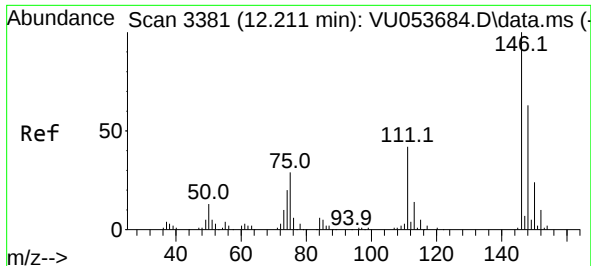
Tgt Ion:146 Resp: 104064
Ion Ratio Lower Upper
146 100
111 40.4 29.4 54.6
148 63.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.540 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU053703.D
Acq: 14 Apr 2023 09:31

Tgt Ion:146 Resp: 105584
Ion Ratio Lower Upper
146 100
111 39.7 29.8 55.4
148 62.1 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.352 ug/L

RT: 12.208 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

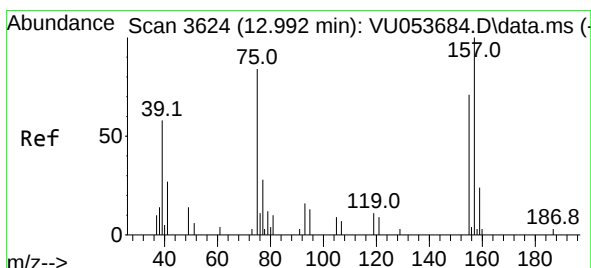
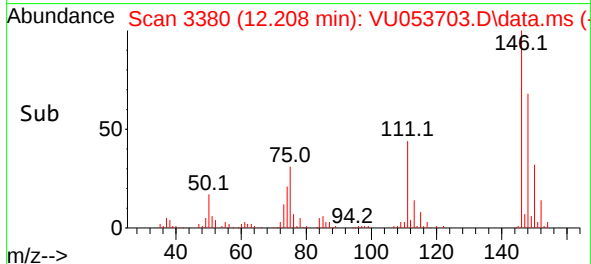
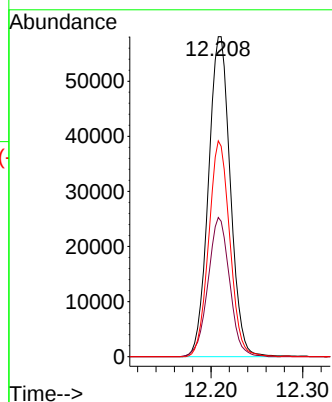
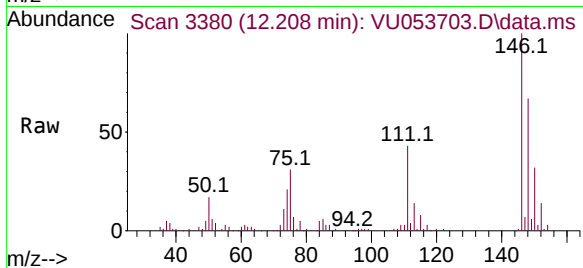
Tgt Ion:146 Resp: 96304

Ion Ratio Lower Upper

146 100

111 43.5 35.0 52.6

148 67.5 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.859 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

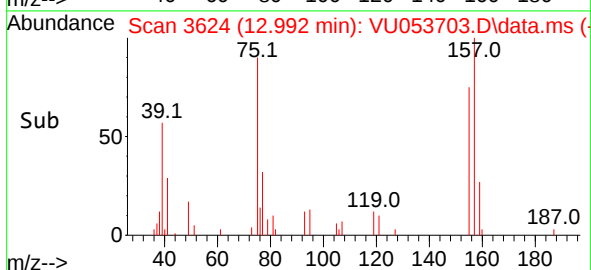
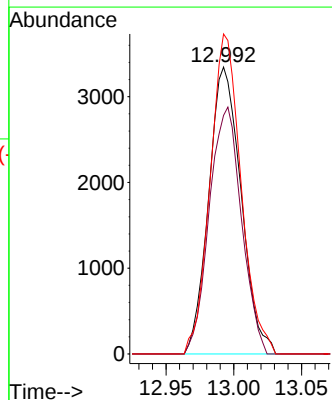
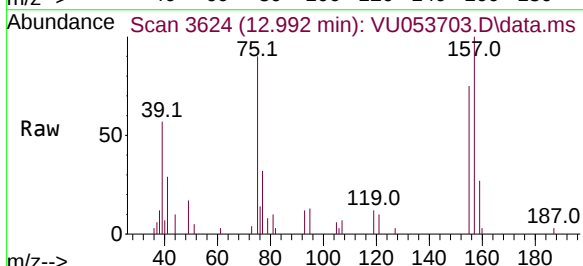
Tgt Ion: 75 Resp: 5548

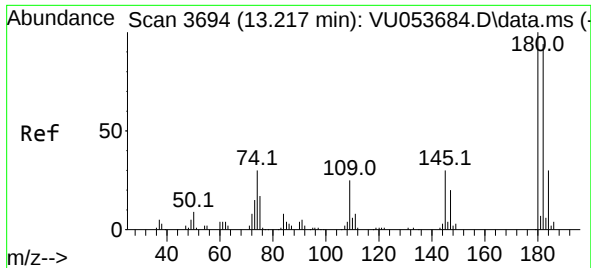
Ion Ratio Lower Upper

75 100

155 83.2 63.9 95.9

157 111.6 74.1 111.1#





#69

1,3,5-Trichlorobenzene

Concen: 5.687 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

Tgt Ion:180 Resp: 75355

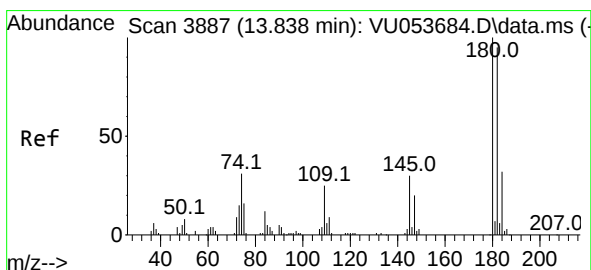
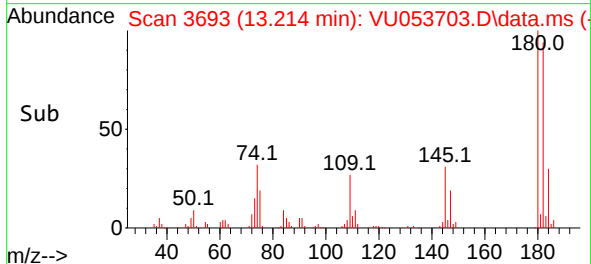
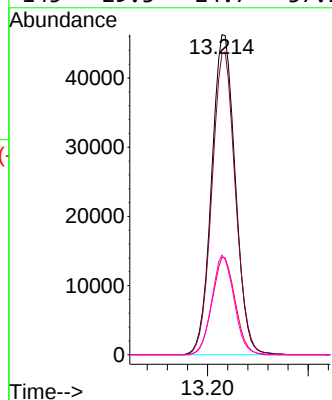
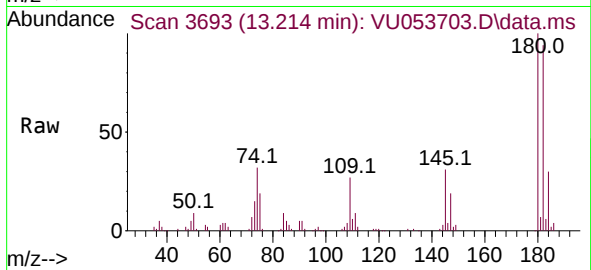
Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

184 29.6 24.1 36.1

145 29.3 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 5.972 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

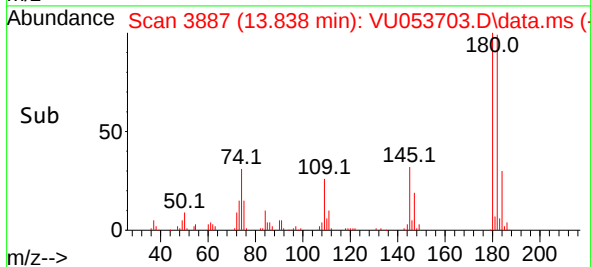
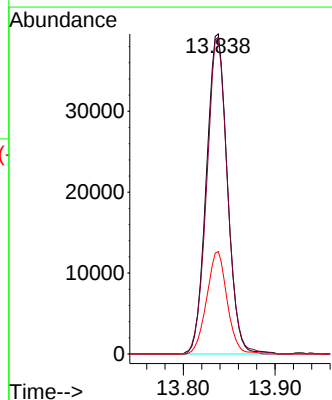
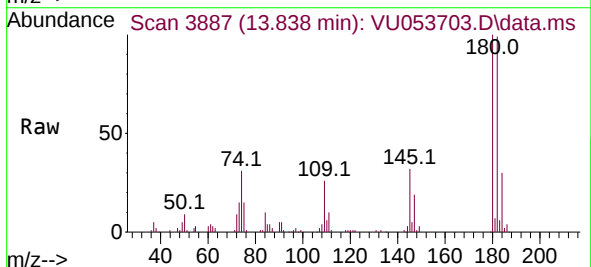
Tgt Ion:180 Resp: 62914

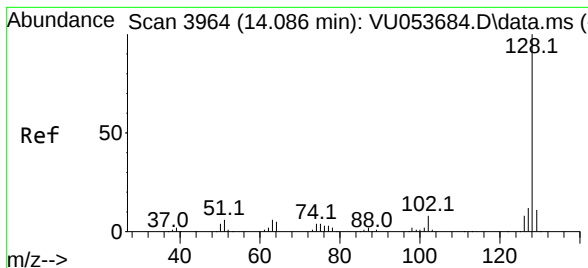
Ion Ratio Lower Upper

180 100

182 97.9 75.4 113.2

145 31.1 25.8 38.8





#71

Naphthalene

Concen: 5.338 ug/L

RT: 14.082 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

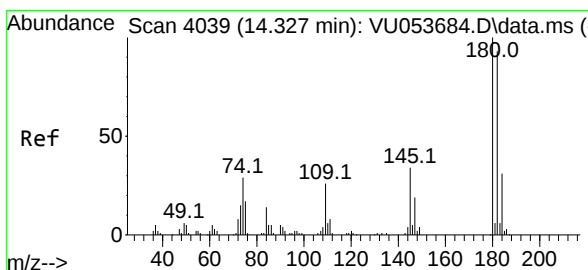
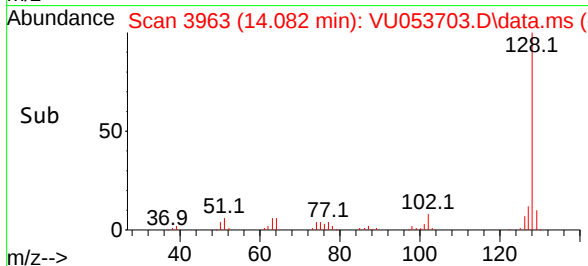
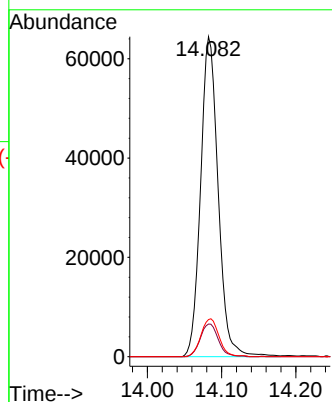
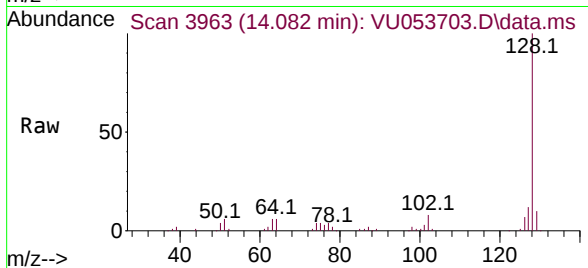
Tgt Ion:128 Resp: 105938

Ion Ratio Lower Upper

128 100

129 10.5 8.2 12.4

127 12.2 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 6.144 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU053703.D

Acq: 14 Apr 2023 09:31

Tgt Ion:180 Resp: 56495

Ion Ratio Lower Upper

180 100

182 96.0 74.8 112.2

145 31.8 26.3 39.5

