

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041723\
 Data File : VU053729.D
 Acq On : 17 Apr 2023 15:06
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

Quant Time: Apr 18 00:16:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 05:28:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	152589	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	144730	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	78069	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	51836	4.938	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.912	69	46096	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.565	65	19253	4.306	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.620	46	99210	41.256	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.520%
24) Chloroform-d	5.060	84	93385	4.799	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.700	65	45345	4.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.722	84	179863	4.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.687	67	55955	4.477	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.896	98	169433	4.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.176	79	22088	4.605	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.629	63	89518	45.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.900%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	45732	4.396	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	65416	4.658	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52381	4.784	ug/L	100
3) Chloromethane	1.520	50	51175	4.646	ug/L	100
5) Vinyl chloride	1.604	62	60732	4.889	ug/L	99
6) Bromomethane	1.854	94	37461	4.762	ug/L	97
8) Chloroethane	1.932	64	36744	5.089	ug/L	97
9) Trichlorofluoromethane	2.137	101	89785	4.787	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	52218	5.493	ug/L	96
12) 1,1-Dichloroethene	2.578	96	42381	4.906	ug/L	91
13) Acetone	2.633	43	79891	55.981	ug/L #	51
14) Carbon disulfide	2.790	76	107317	4.232	ug/L	99
15) Methyl Acetate	2.951	43	14118	4.217	ug/L	96
16) Methylene chloride	3.041	84	63147	5.565	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	102326	4.886	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	45264	5.044	ug/L	95
19) 1,1-Dichloroethane	3.867	63	82769	5.007	ug/L	98
21) 2-Butanone	4.703	43	107460	48.494	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	52991	4.383	ug/L	97
23) Bromochloromethane	4.973	128	23307	5.446	ug/L	93
25) Chloroform	5.083	83	92702	5.452	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041723\
 Data File : VU053729.D
 Acq On : 17 Apr 2023 15:06
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

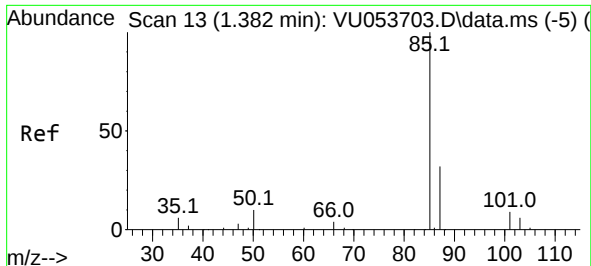
Quant Time: Apr 18 00:16:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 05:28:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	52995	4.975	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	77945	5.455	ug/L	96
30) Cyclohexane	5.385	56	66891	4.394	ug/L	98
31) Carbon tetrachloride	5.523	117	67253	5.563	ug/L	100
33) Benzene	5.771	78	188649	4.865	ug/L	100
34) Trichloroethene	6.539	95	54045	5.233	ug/L	95
35) Methylcyclohexane	6.761	83	79563	4.490	ug/L	97
37) 1,2-Dichloropropane	6.787	63	49930	4.876	ug/L	100
38) Bromodichloromethane	7.102	83	61460	5.405	ug/L #	94
39) cis-1,3-Dichloropropene	7.603	75	74166	4.903	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	230960	46.094	ug/L	99
42) Toluene	7.967	91	212215	5.008	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	62220	5.055	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	36900	5.076	ug/L	92
47) Tetrachloroethene	8.549	164	41577	5.480	ug/L	94
48) 2-Hexanone	8.681	43	185113	49.964	ug/L	97
49) Dibromochloromethane	8.806	129	39795	5.535	ug/L	97
50) 1,2-Dibromoethane	8.922	107	36354	5.177	ug/L #	95
51) Chlorobenzene	9.446	112	143401	5.366	ug/L	97
52) Ethylbenzene	9.568	91	230538	4.991	ug/L	99
53) m,p-Xylene	9.690	106	91256	5.183	ug/L	97
54) o-Xylene	10.098	106	87977	5.266	ug/L	100
55) Styrene	10.111	104	146295	5.333	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	45303	4.935	ug/L	99
59) Bromoform	10.288	173	21252	5.287	ug/L	97
60) Isopropylbenzene	10.481	105	236429	4.986	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	30261	4.678	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	194027	5.042	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	200810	5.096	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	116526	5.589	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	118081	5.641	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	110332	5.582	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.995	75	5993	4.778	ug/L	86
69) 1,3,5-Trichlorobenzene	13.217	180	84390	5.798	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	73664	6.366	ug/L	99
71) Naphthalene	14.082	128	125723	5.767	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	65319	6.467	ug/L	99

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

Quant Time: Apr 18 00:16:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 15 05:28:57 2023
Response via : Initial Calibration

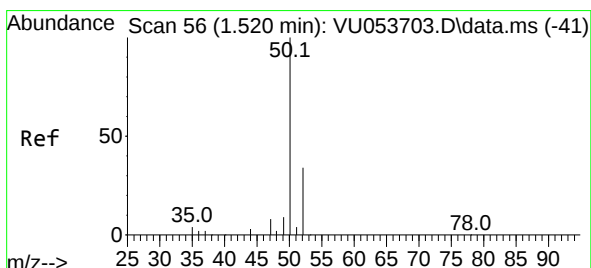
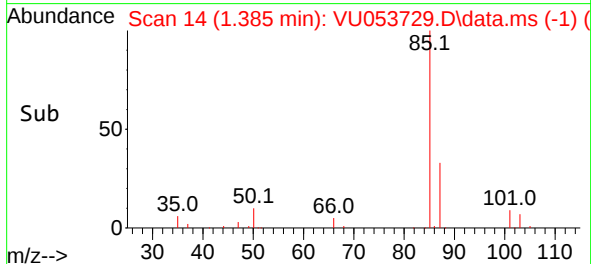
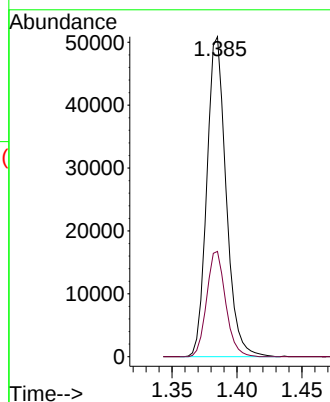
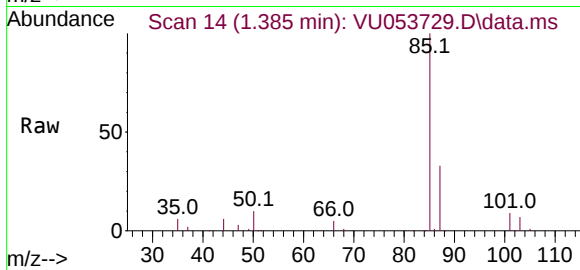




#2
Dichlorodifluoromethane
Concen: 4.784 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

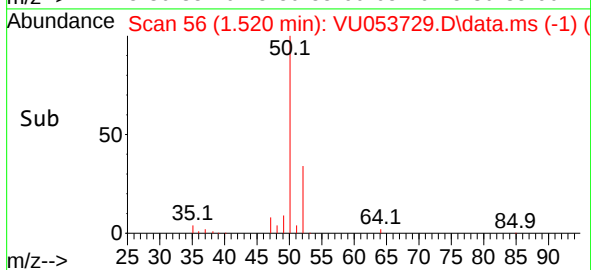
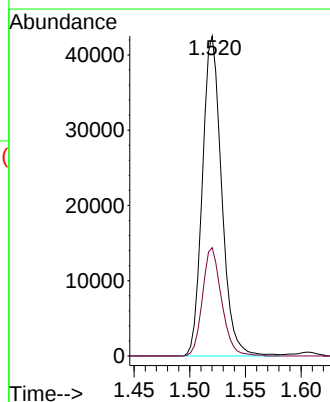
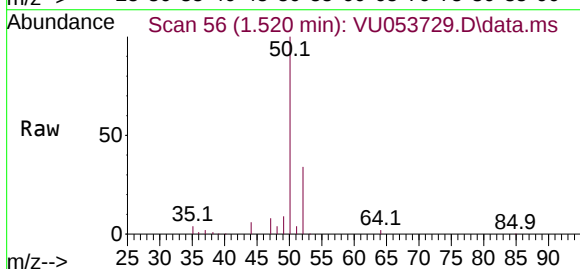
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

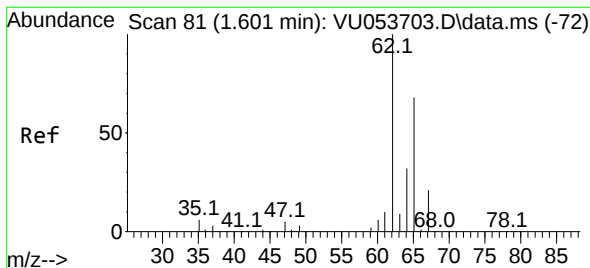
Tgt Ion: 85 Resp: 52381
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 4.646 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 50 Resp: 51175
Ion Ratio Lower Upper
50 100
52 33.8 23.9 44.3





#5

Vinyl chloride

Concen: 4.889 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

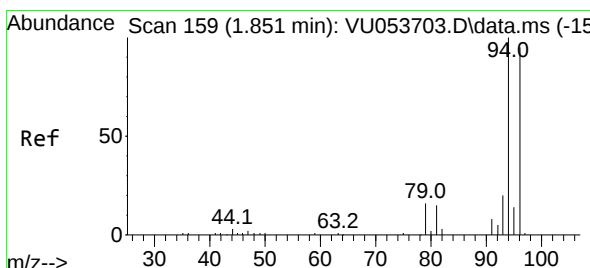
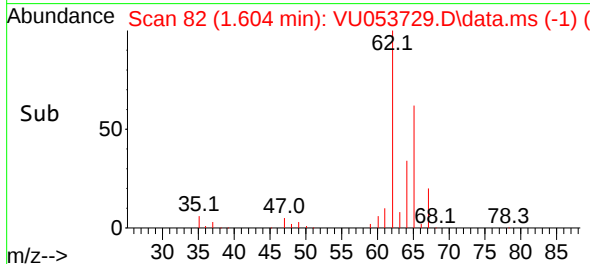
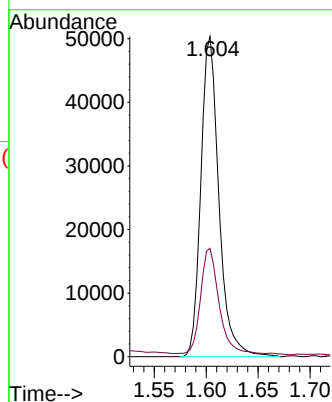
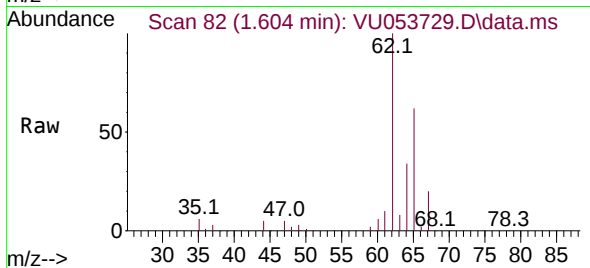
VSTD005151

Tgt Ion: 62 Resp: 60732

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.7



#6

Bromomethane

Concen: 4.762 ug/L

RT: 1.854 min Scan# 160

Delta R.T. 0.003 min

Lab File: VU053729.D

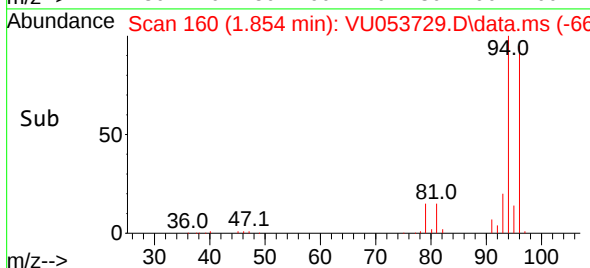
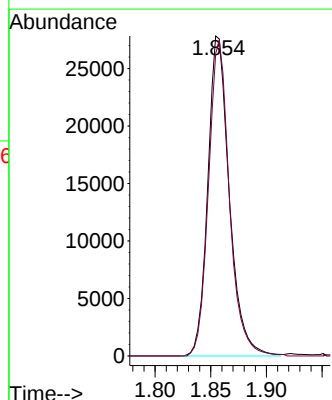
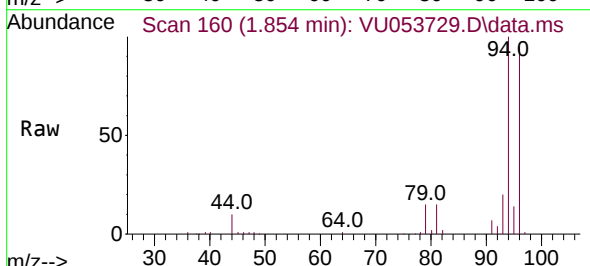
Acq: 17 Apr 2023 15:06

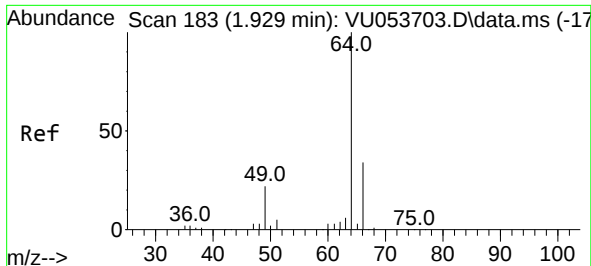
Tgt Ion: 94 Resp: 37461

Ion Ratio Lower Upper

94 100

96 94.6 68.3 126.8





#8

Chloroethane

Concen: 5.089 ug/L

RT: 1.932 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

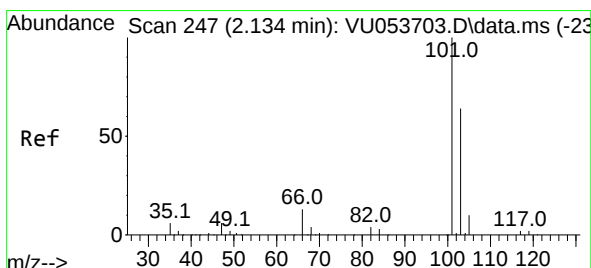
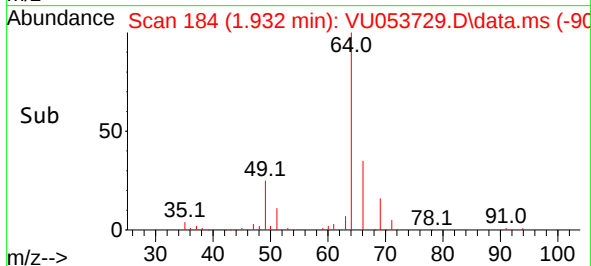
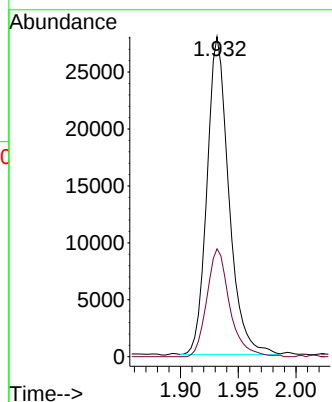
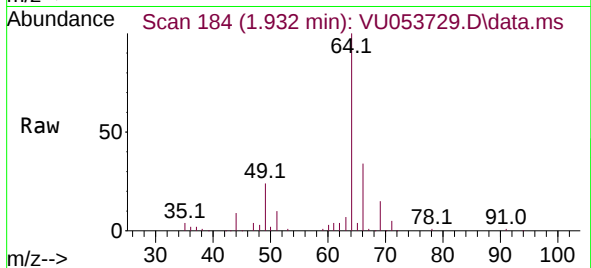
VSTD005151

Tgt Ion: 64 Resp: 36744

Ion Ratio Lower Upper

64 100

66 33.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.787 ug/L

RT: 2.137 min Scan# 248

Delta R.T. 0.003 min

Lab File: VU053729.D

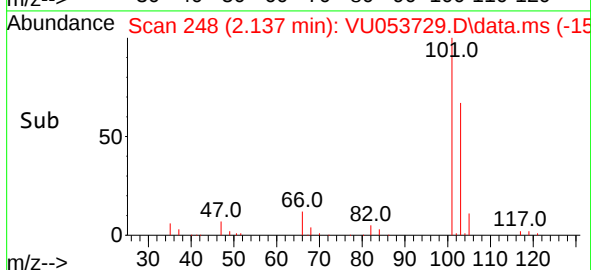
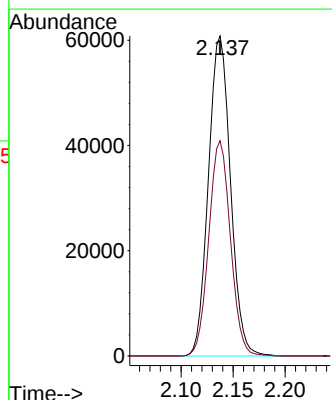
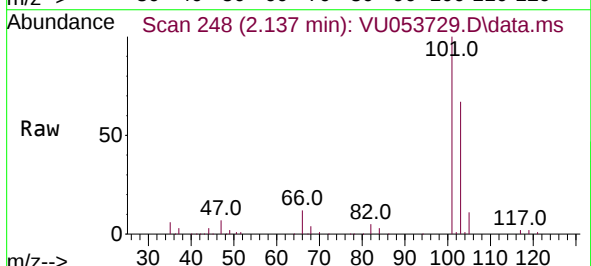
Acq: 17 Apr 2023 15:06

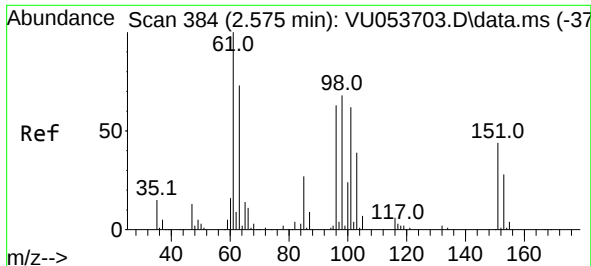
Tgt Ion:101 Resp: 89785

Ion Ratio Lower Upper

101 100

103 66.0 50.2 75.2





#10

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

Concen: 5.493 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

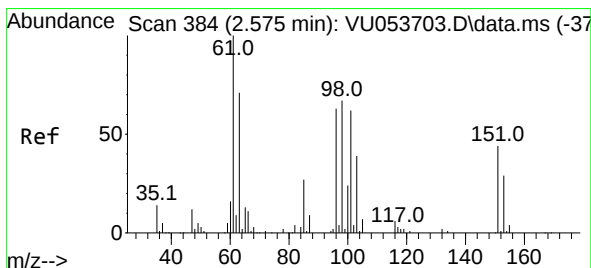
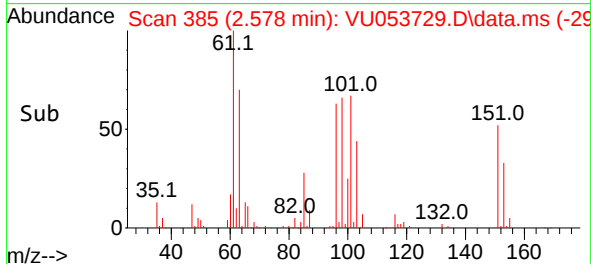
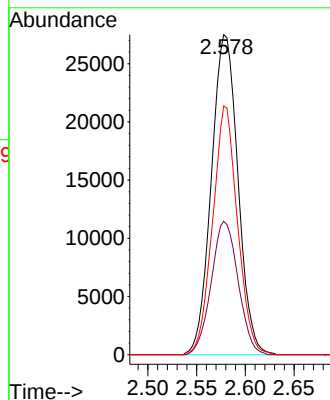
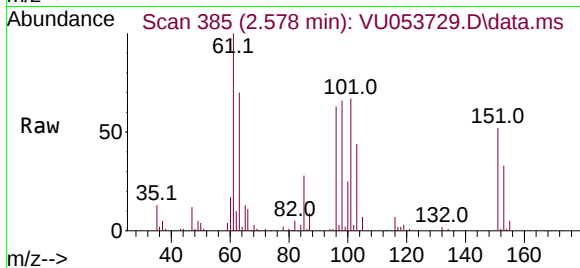
Tgt Ion:101 Resp: 52218

Ion Ratio Lower Upper

101 100

85 42.1 37.0 55.4

151 72.5 56.8 85.2



#12

1,1-Dichloroethene

Concen: 4.906 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

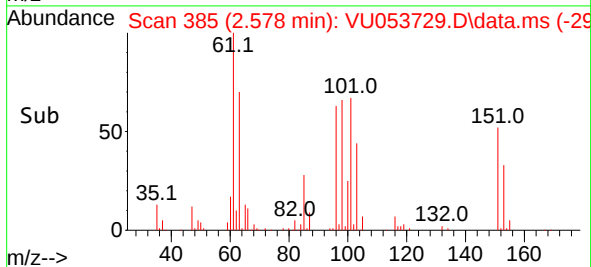
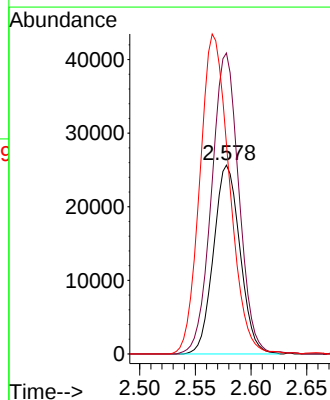
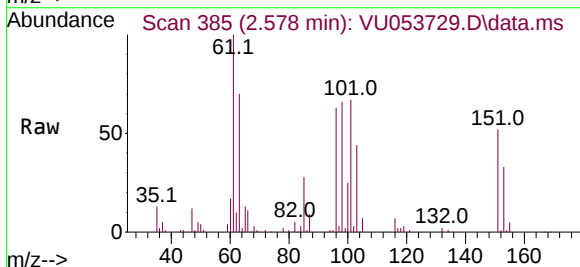
Tgt Ion: 96 Resp: 42381

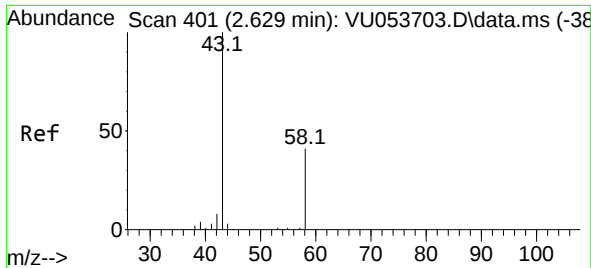
Ion Ratio Lower Upper

96 100

61 159.4 116.8 216.8

63 111.2 88.6 164.6





#13

Acetone

Concen: 55.981 ug/L

RT: 2.633 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

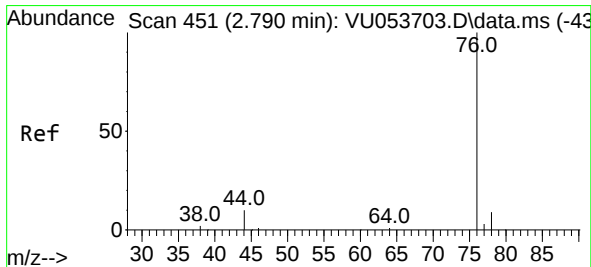
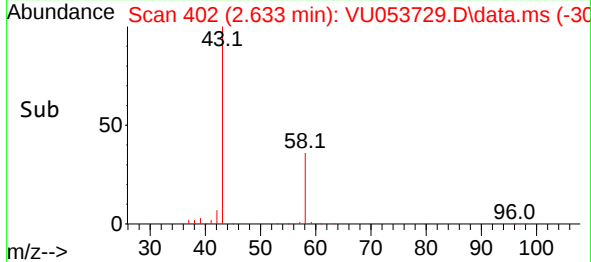
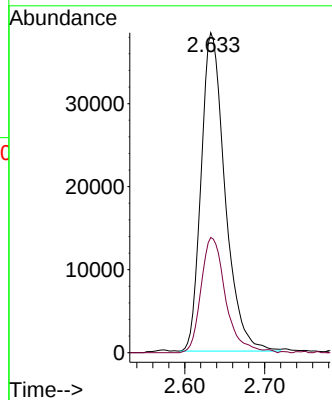
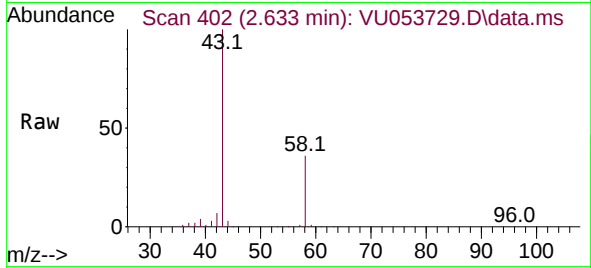
VSTD005151

Tgt Ion: 43 Resp: 79891

Ion Ratio Lower Upper

43 100

58 36.9 0.0 32.2#



#14

Carbon disulfide

Concen: 4.232 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053729.D

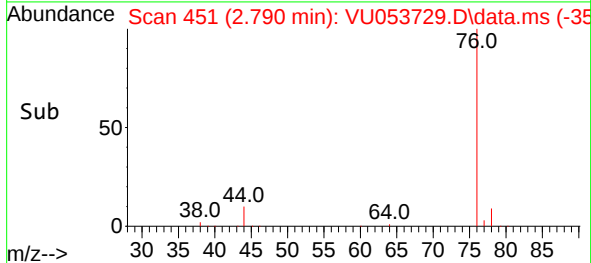
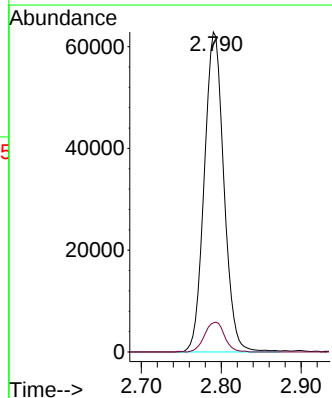
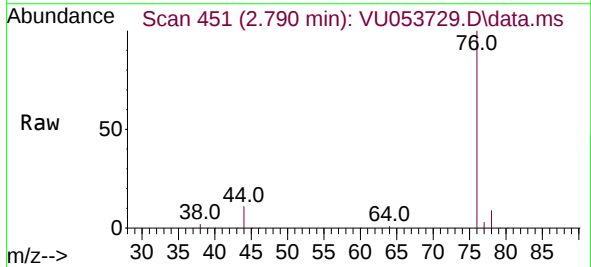
Acq: 17 Apr 2023 15:06

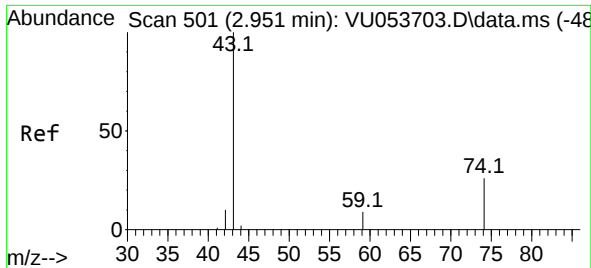
Tgt Ion: 76 Resp: 107317

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

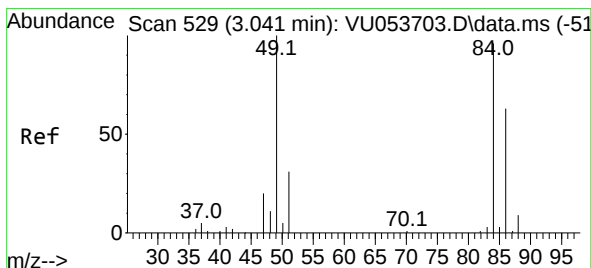
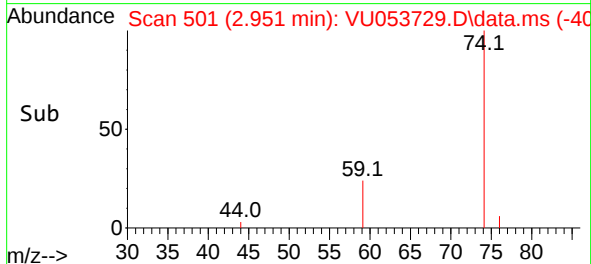
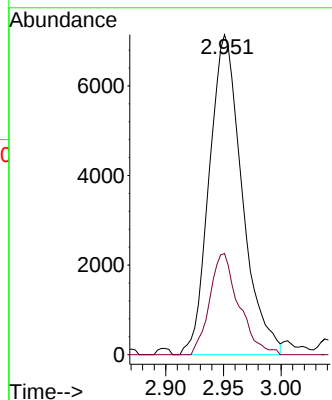
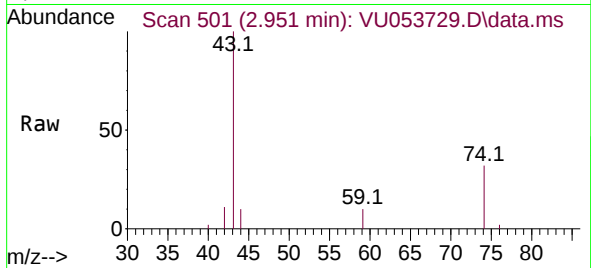




#15
Methyl Acetate
Concen: 4.217 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

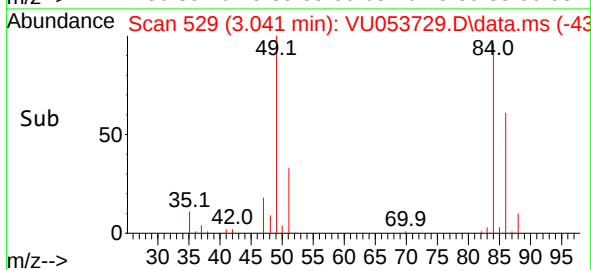
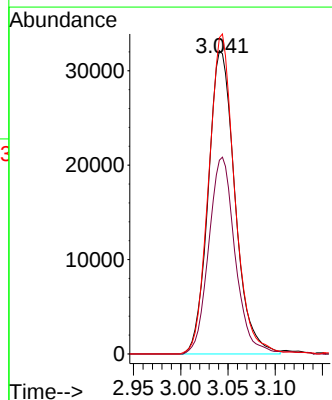
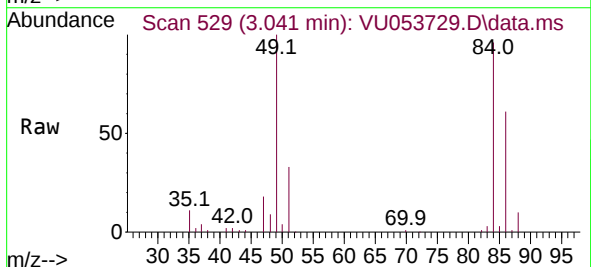
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

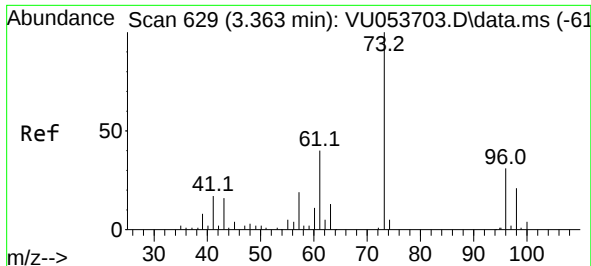
Tgt Ion: 43 Resp: 14118
Ion Ratio Lower Upper
43 100
74 28.2 20.8 31.2



#16
Methylene chloride
Concen: 5.565 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 84 Resp: 63147
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 104.3 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 4.886 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

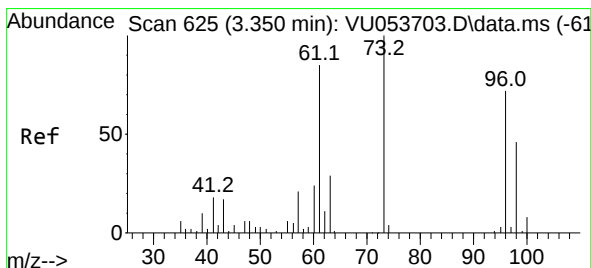
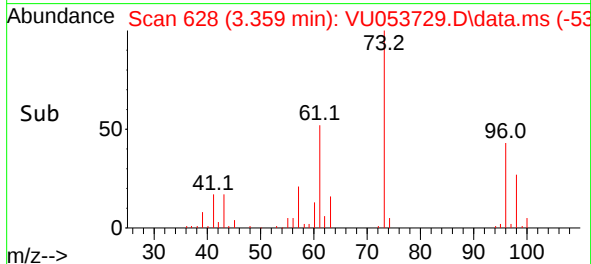
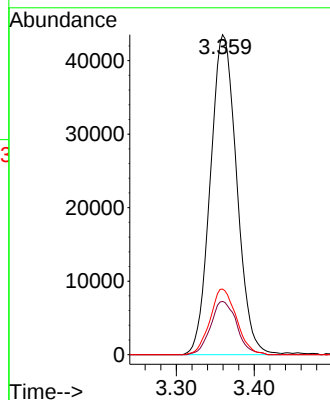
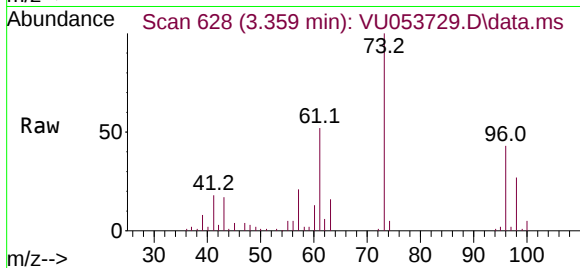
Tgt Ion: 73 Resp: 102326

Ion Ratio Lower Upper

73 100

43 16.5 13.9 20.9

57 20.6 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 5.044 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

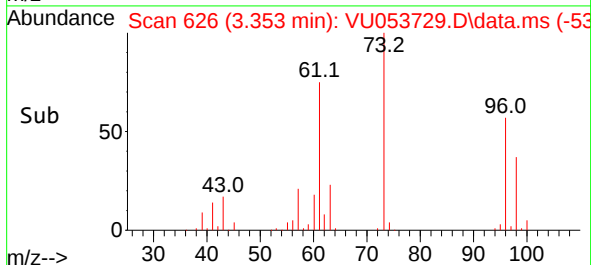
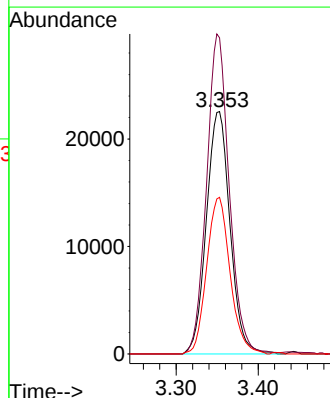
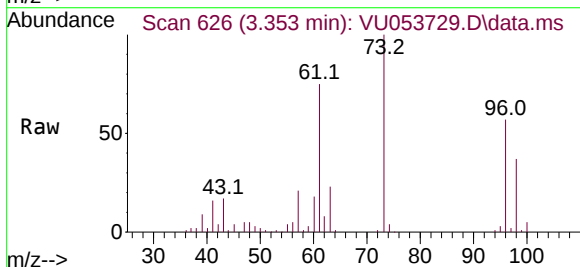
Tgt Ion: 96 Resp: 45264

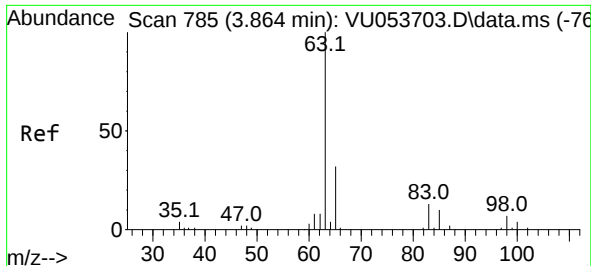
Ion Ratio Lower Upper

96 100

61 130.4 95.5 177.3

98 64.6 42.2 78.4

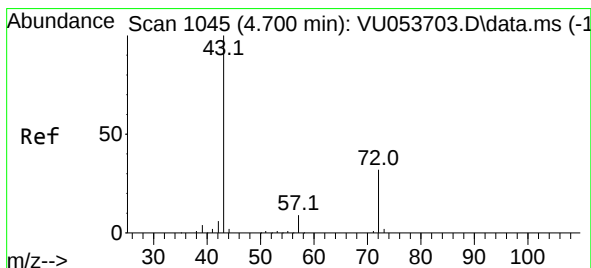
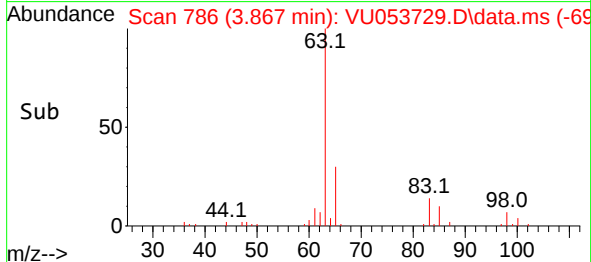
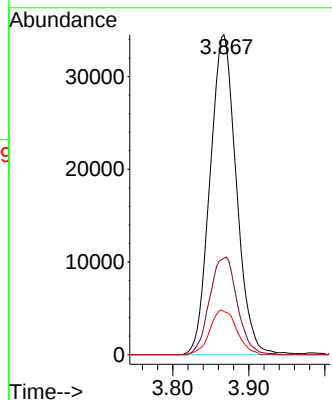
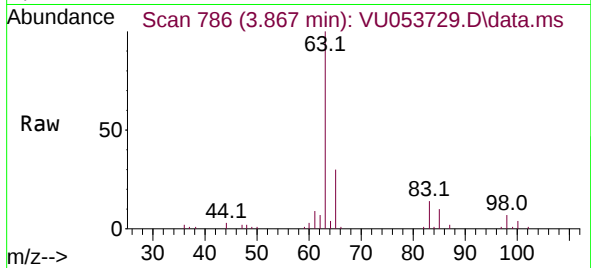




#19
1,1-Dichloroethane
Concen: 5.007 ug/L
RT: 3.867 min Scan# 785
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

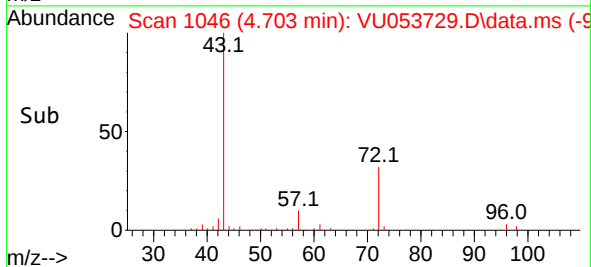
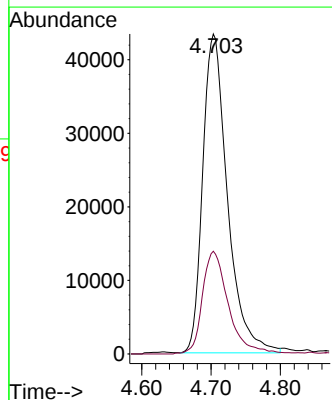
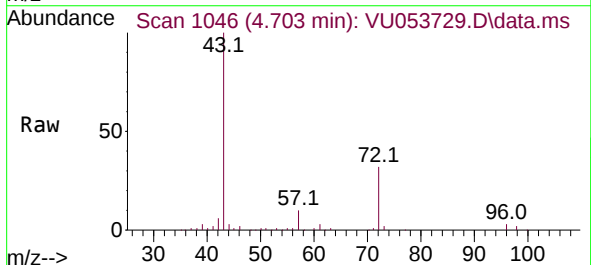
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

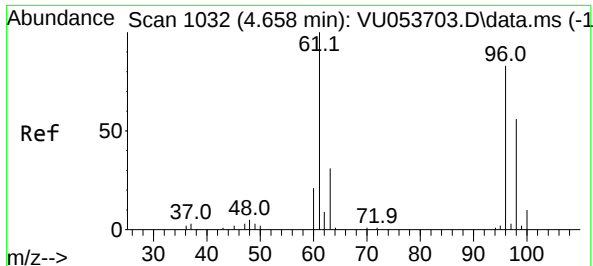
Tgt Ion: 63 Resp: 82769
Ion Ratio Lower Upper
63 100
65 30.2 21.7 40.3
83 13.5 8.1 15.1



#21
2-Butanone
Concen: 48.494 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 43 Resp: 107460
Ion Ratio Lower Upper
43 100
72 33.9 16.2 48.6

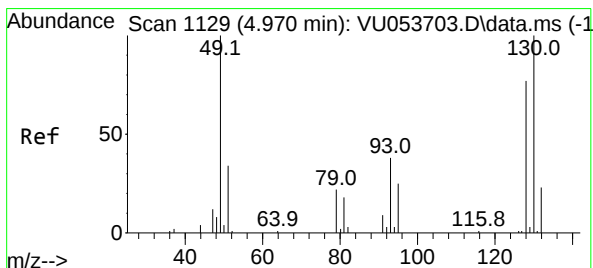
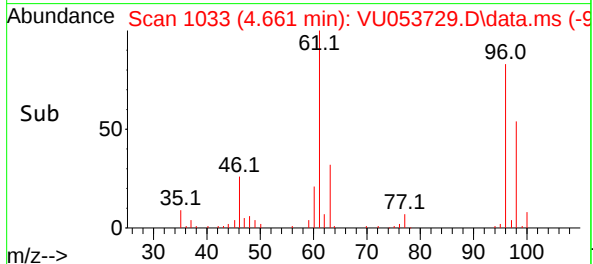
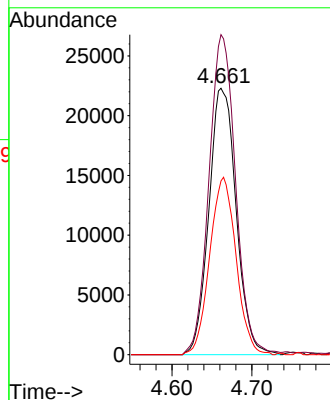
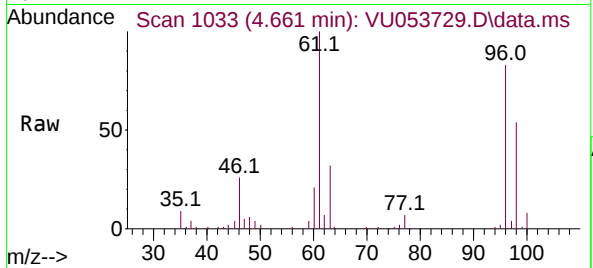




#22
cis-1,2-Dichloroethene
Concen: 4.383 ug/L
RT: 4.661 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

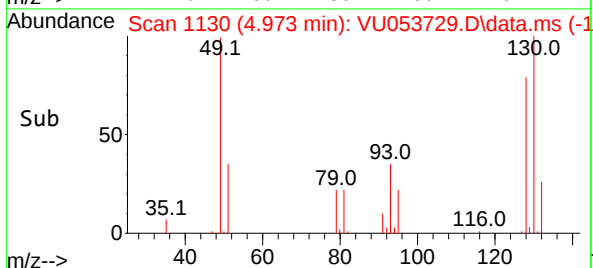
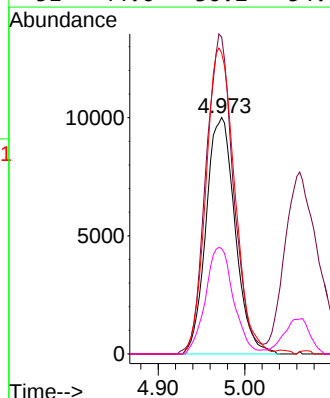
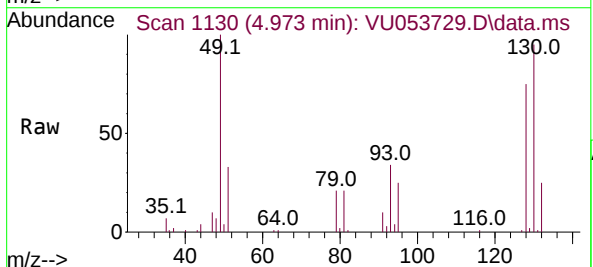
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

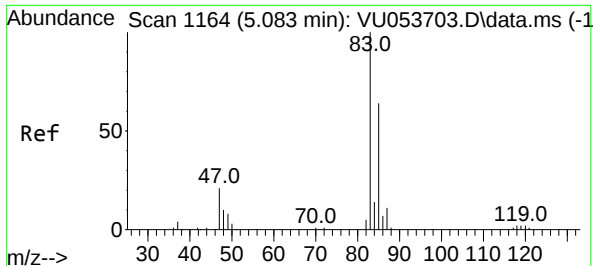
Tgt Ion: 96 Resp: 52991
Ion Ratio Lower Upper
96 100
61 120.1 86.6 160.8
98 65.2 47.7 88.5



#23
Bromochloromethane
Concen: 5.446 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 128 Resp: 23307
Ion Ratio Lower Upper
128 100
49 134.0 102.8 190.8
130 127.3 85.1 158.1
51 44.6 36.2 54.4





#25

Chloroform

Concen: 5.452 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

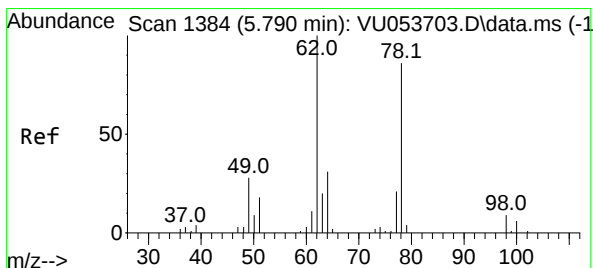
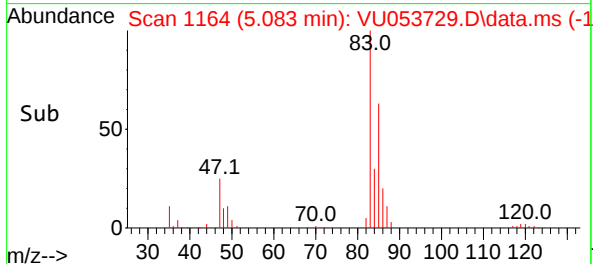
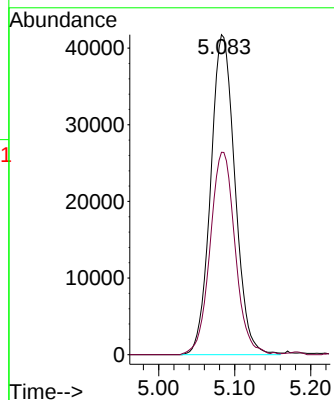
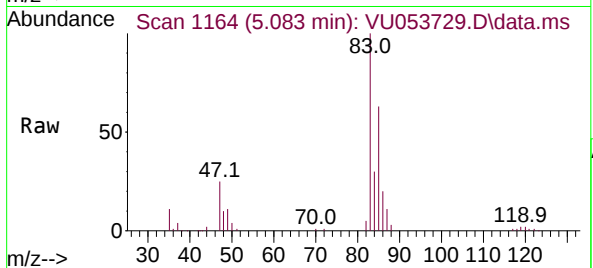
VSTD005151

Tgt Ion: 83 Resp: 92702

Ion Ratio Lower Upper

83 100

85 63.3 47.3 87.9



#27

1,2-Dichloroethane

Concen: 4.975 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053729.D

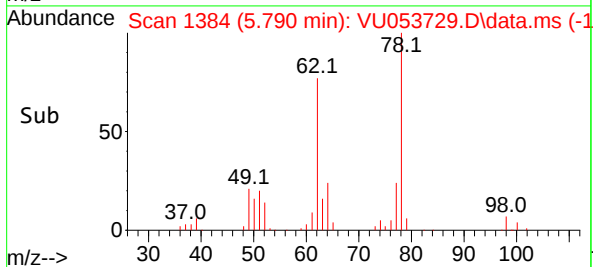
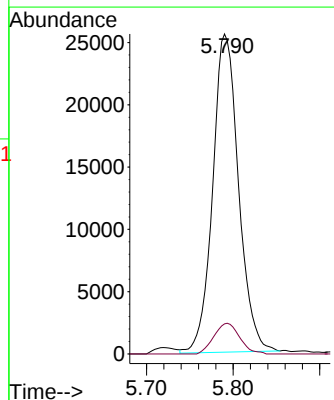
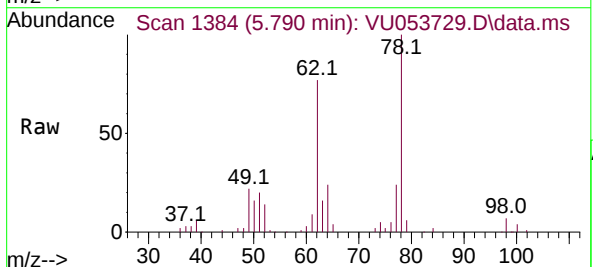
Acq: 17 Apr 2023 15:06

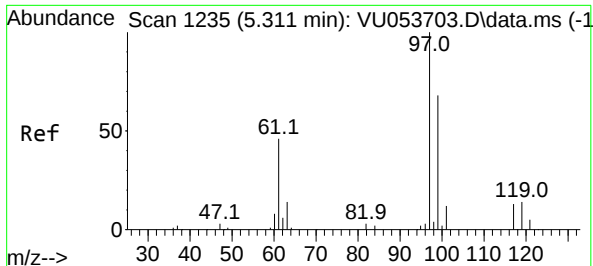
Tgt Ion: 62 Resp: 52995

Ion Ratio Lower Upper

62 100

98 9.4 6.4 9.6

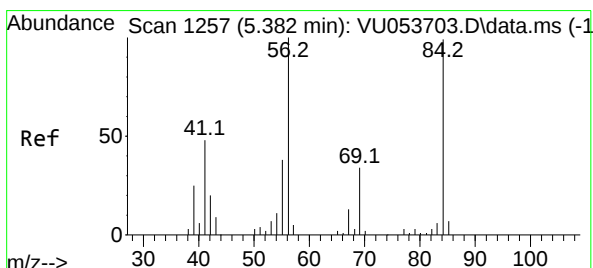
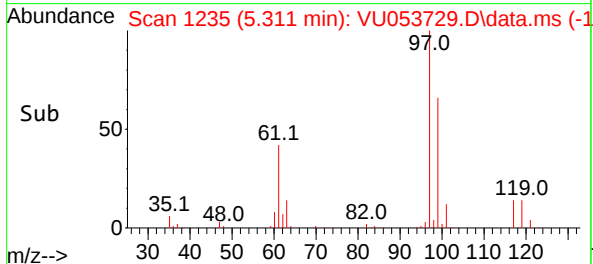
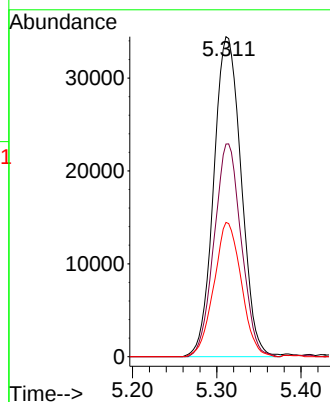
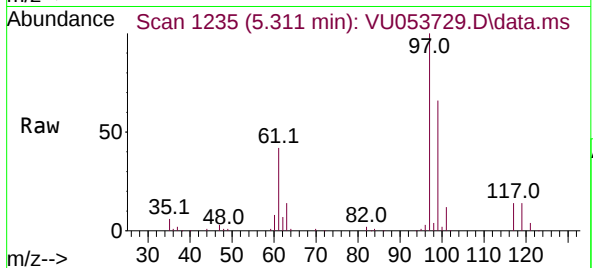




#29
1,1,1-Trichloroethane
Concen: 5.455 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

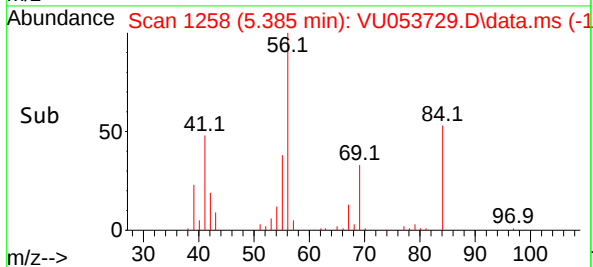
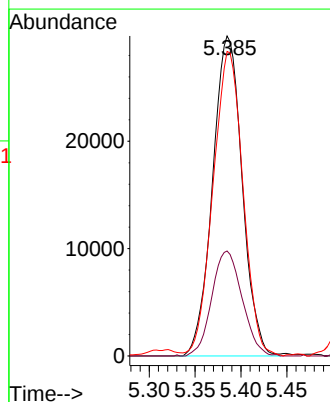
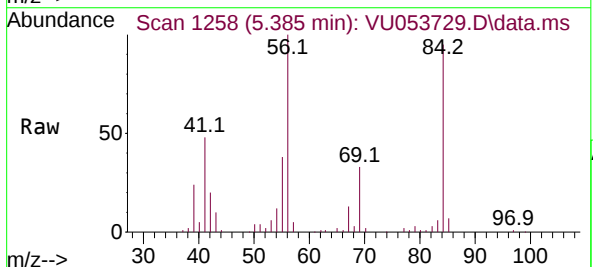
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

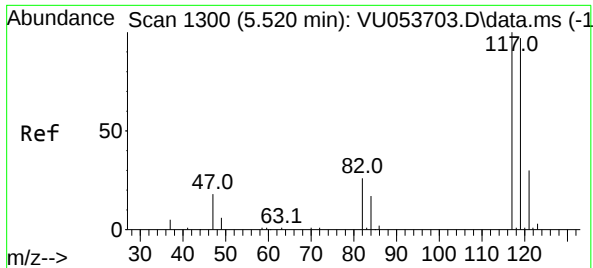
Tgt Ion: 97	Resp: 77945
Ion Ratio	Lower Upper
97 100	
99 65.7	49.9 74.9
61 41.9	35.7 53.5



#30
Cyclohexane
Concen: 4.394 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 56	Resp: 66891
Ion Ratio	Lower Upper
56 100	
69 33.6	26.1 39.1
84 96.2	75.6 113.4

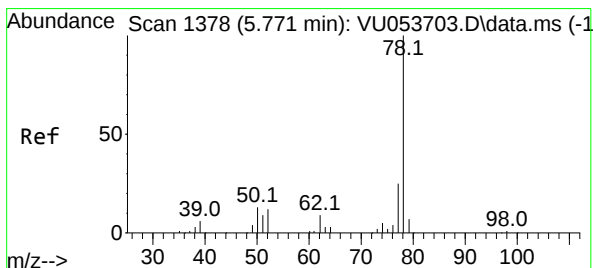
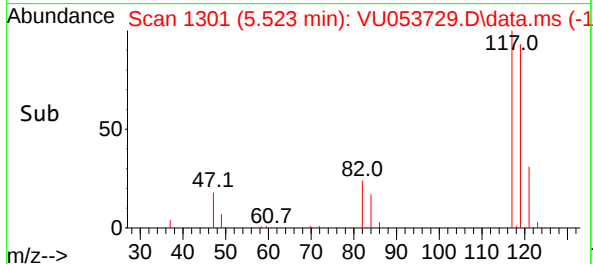
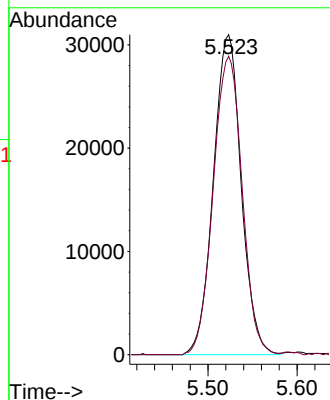
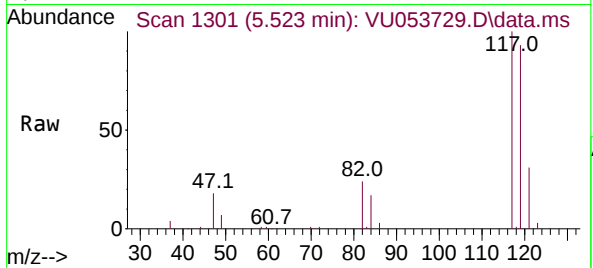




#31
Carbon tetrachloride
Concen: 5.563 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

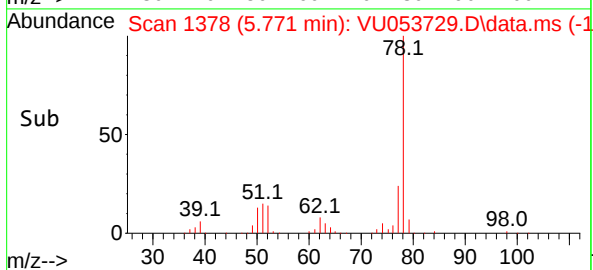
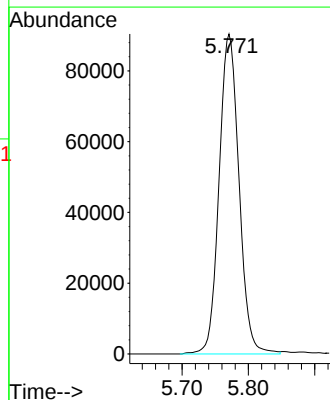
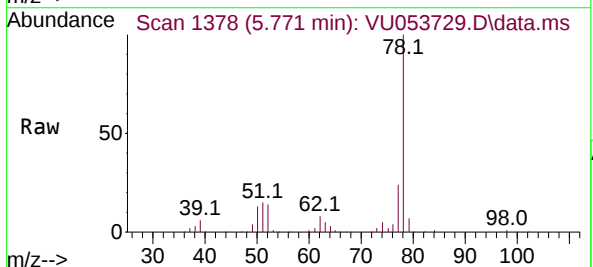
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

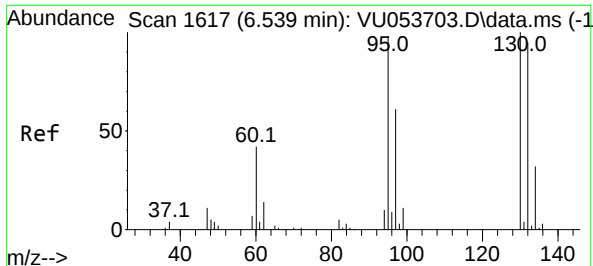
Tgt Ion:117 Resp: 67253
Ion Ratio Lower Upper
117 100
119 96.8 77.7 116.5



#33
Benzene
Concen: 4.865 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 78 Resp: 188649

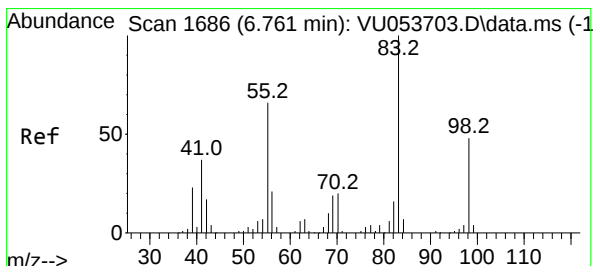
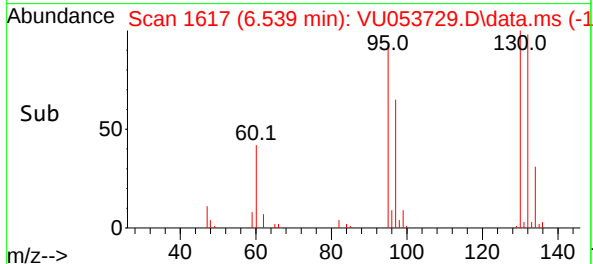
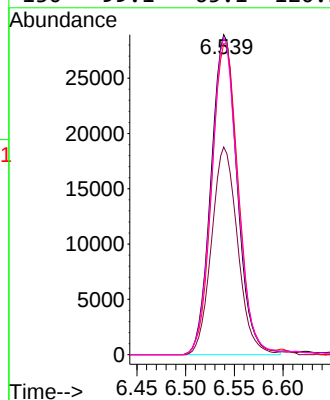
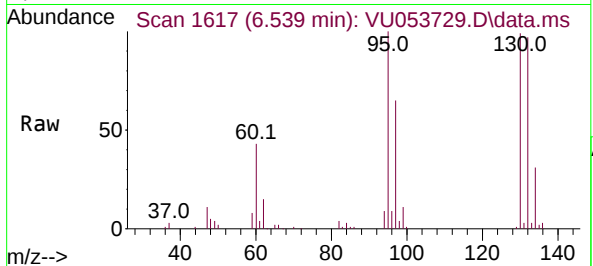




#34
Trichloroethene
Concen: 5.233 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

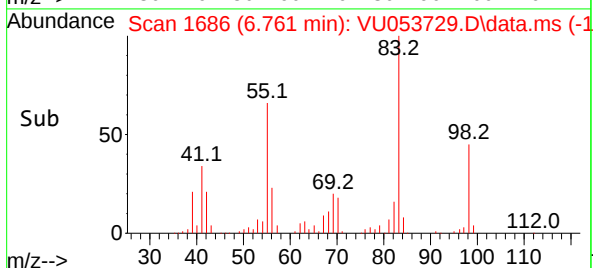
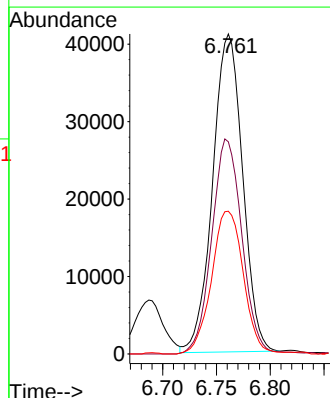
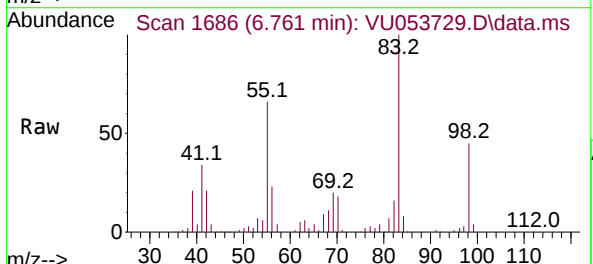
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

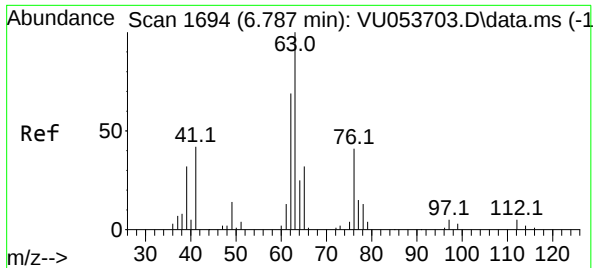
Tgt Ion: 95 Resp: 54045
Ion Ratio Lower Upper
95 100
97 64.9 45.3 84.1
132 97.2 62.8 116.6
130 99.1 65.1 120.9



#35
Methylcyclohexane
Concen: 4.490 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 83 Resp: 79563
Ion Ratio Lower Upper
83 100
55 68.3 54.9 82.3
98 47.7 34.9 52.3

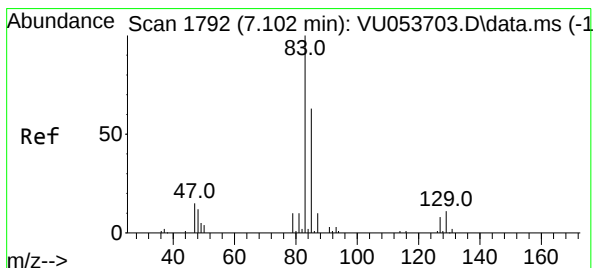
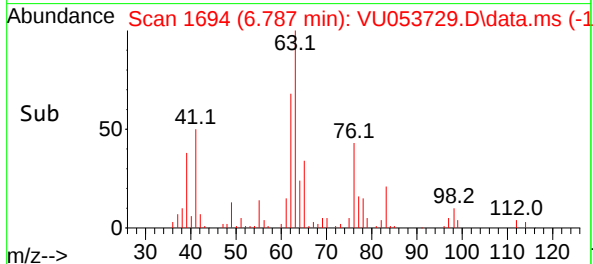
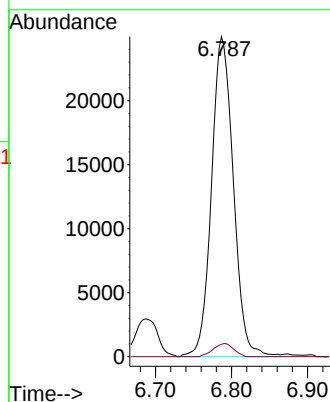
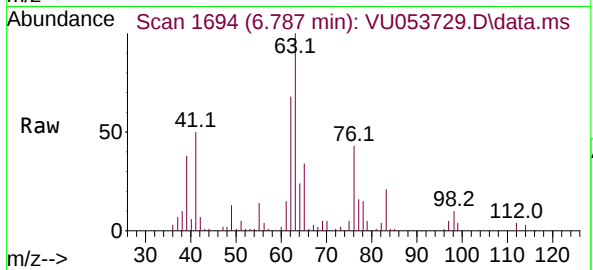




#37
1,2-Dichloropropane
Concen: 4.876 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

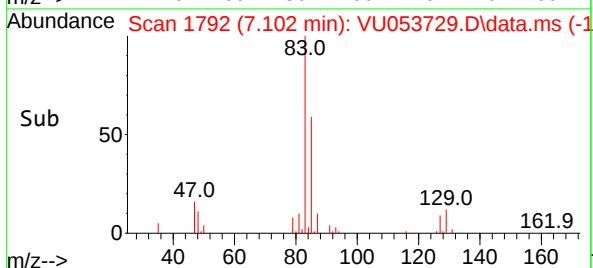
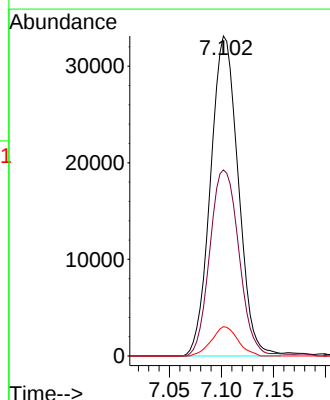
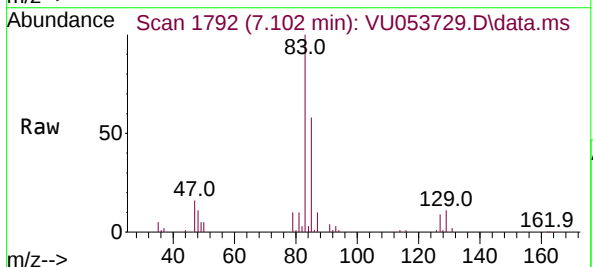
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

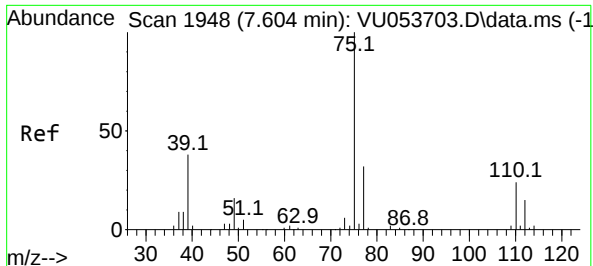
Tgt Ion: 63 Resp: 49930
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 5.405 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 83 Resp: 61460
Ion Ratio Lower Upper
83 100
85 58.2 44.0 81.8
127 9.1 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.903 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

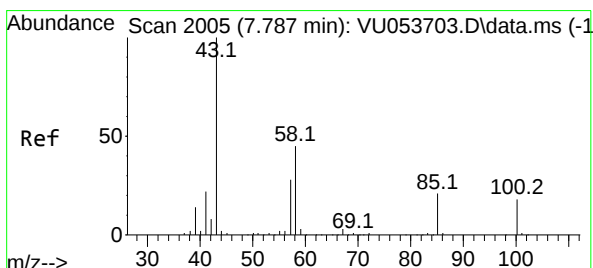
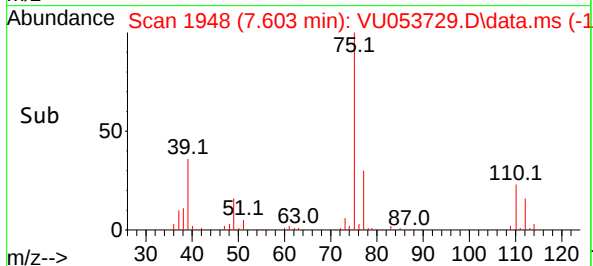
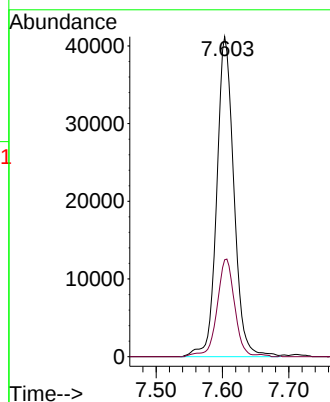
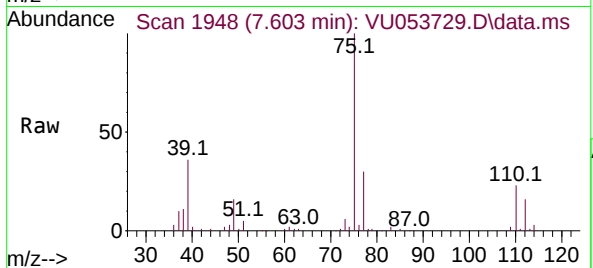
VSTD005151

Tgt Ion: 75 Resp: 74166

Ion Ratio Lower Upper

75 100

77 30.3 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 46.094 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

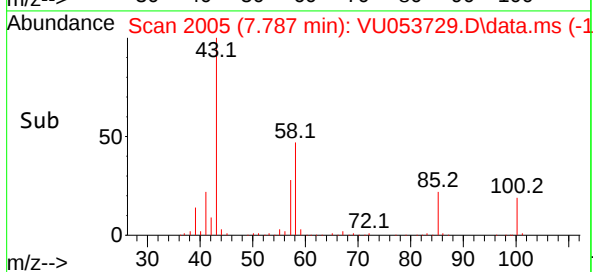
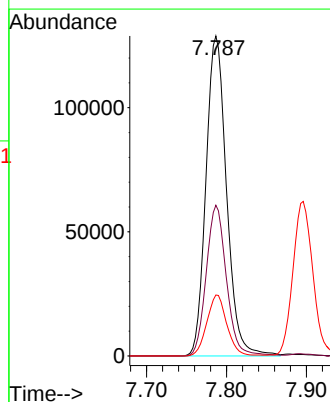
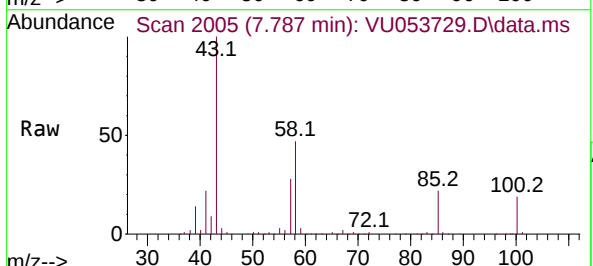
Tgt Ion: 43 Resp: 230960

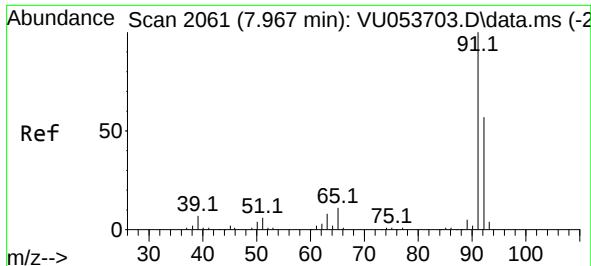
Ion Ratio Lower Upper

43 100

58 46.2 37.4 56.0

100 18.6 14.0 21.0





#42

Toluene

Concen: 5.008 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

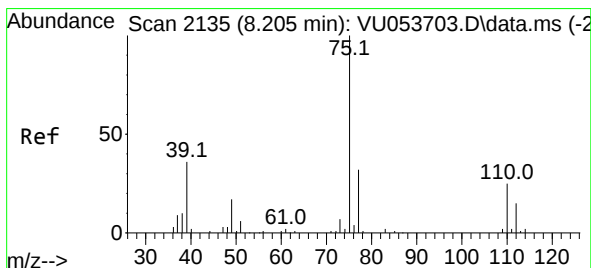
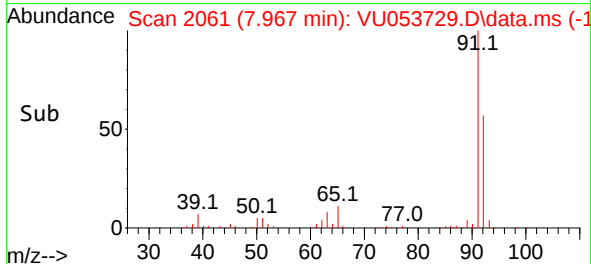
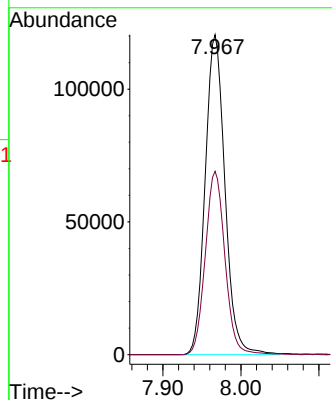
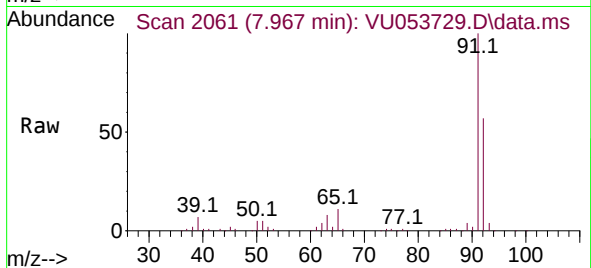
VSTD005151

Tgt Ion: 91 Resp: 212215

Ion Ratio Lower Upper

91 100

92 57.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.055 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053729.D

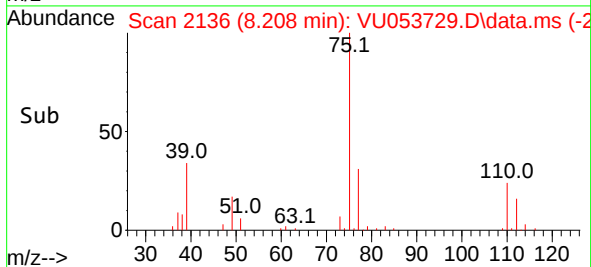
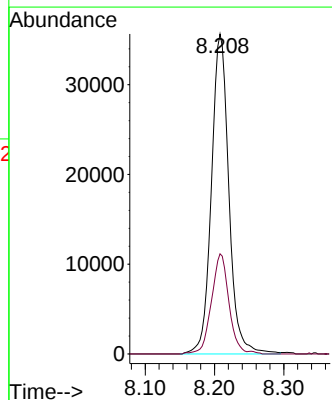
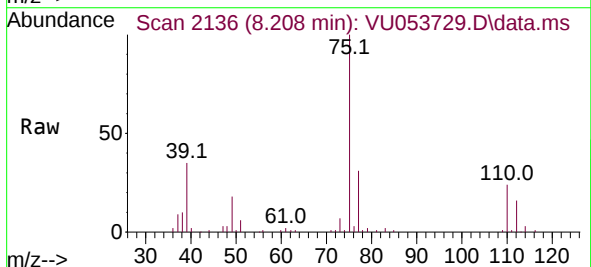
Acq: 17 Apr 2023 15:06

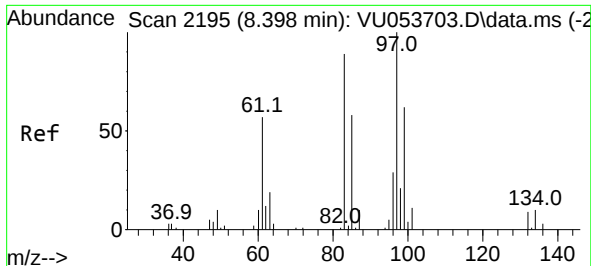
Tgt Ion: 75 Resp: 62220

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.076 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

Tgt Ion: 97 Resp: 36900

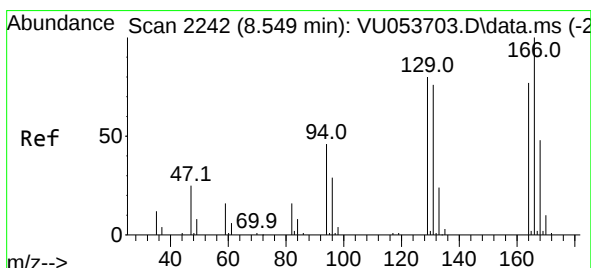
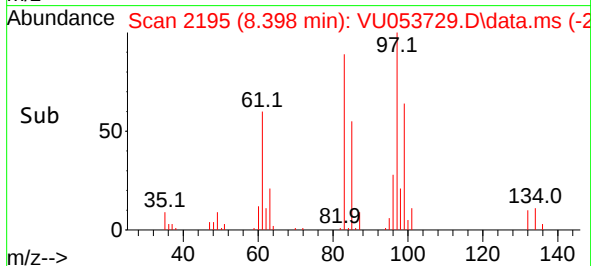
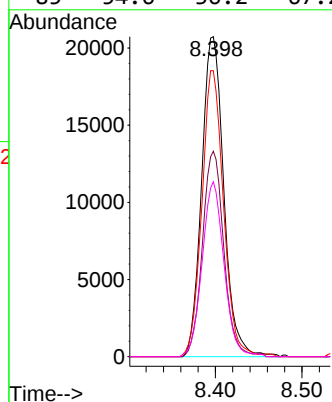
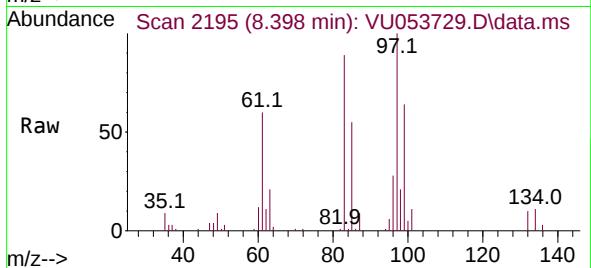
Ion Ratio Lower Upper

97 100

99 64.2 38.9 72.2

83 89.4 57.6 107.0

85 54.6 36.2 67.2



#47

Tetrachloroethene

Concen: 5.480 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Tgt Ion: 164 Resp: 41577

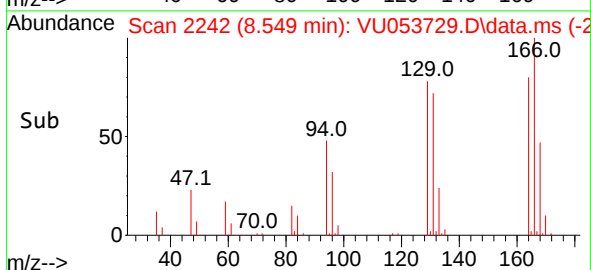
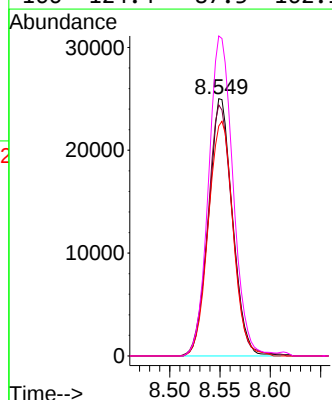
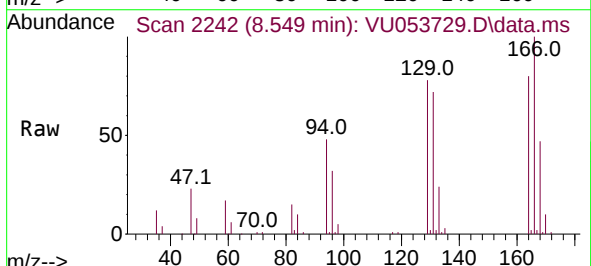
Ion Ratio Lower Upper

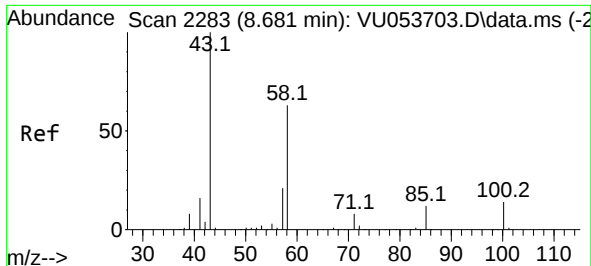
164 100

129 97.6 74.8 138.8

131 89.4 70.1 130.1

166 124.4 87.3 162.1

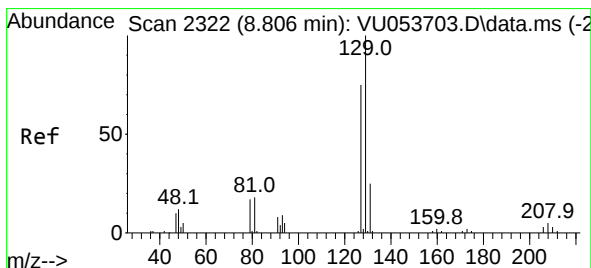
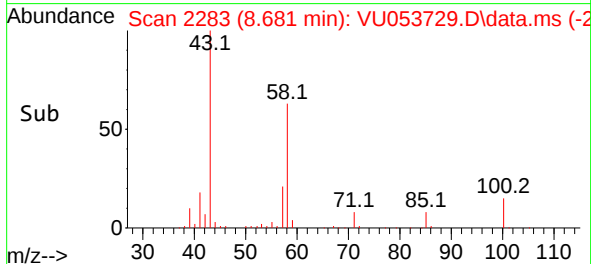
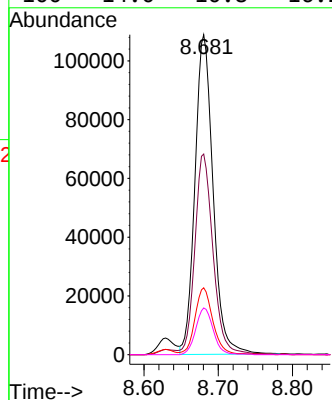
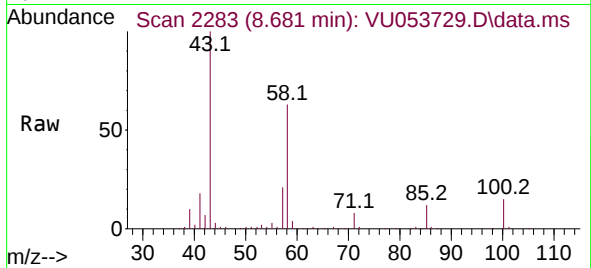




#48
2-Hexanone
Concen: 49.964 ug/L
RT: 8.681 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

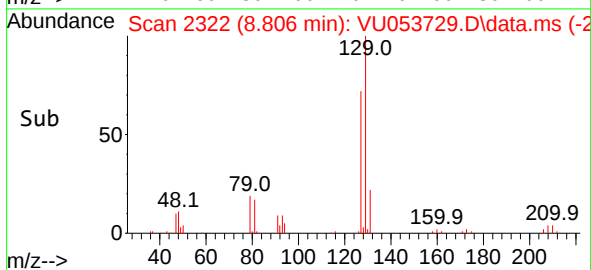
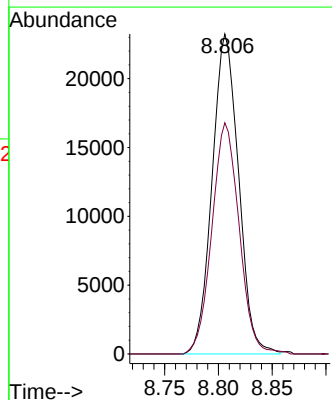
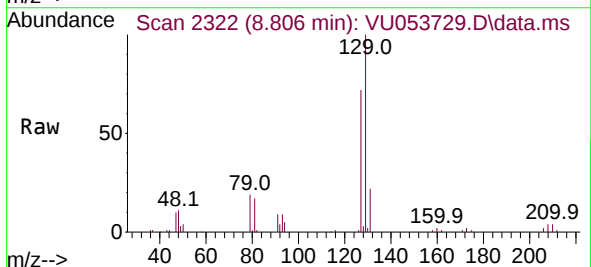
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

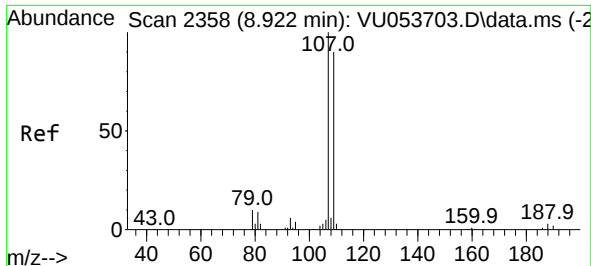
Tgt Ion:	43	Resp:	185113
Ion	Ratio	Lower	Upper
43	100		
58	62.6	52.8	79.2
57	20.6	17.1	25.7
100	14.0	10.8	16.2



#49
Dibromochloromethane
Concen: 5.535 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion:	129	Resp:	39795
Ion	Ratio	Lower	Upper
129	100		
127	72.2	52.2	97.0





#50

1,2-Dibromoethane

Concen: 5.177 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

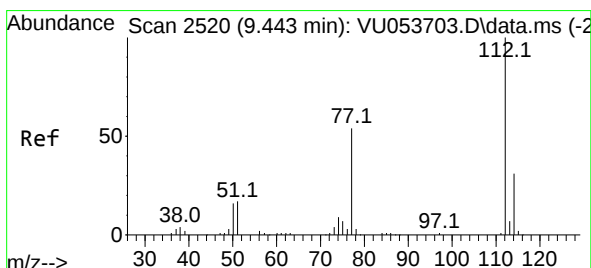
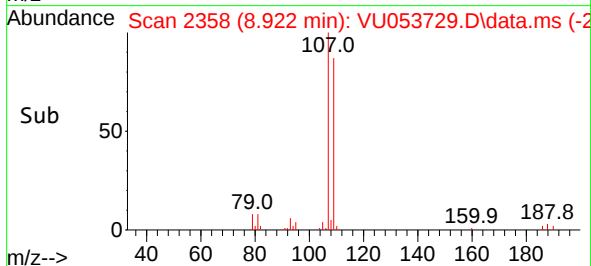
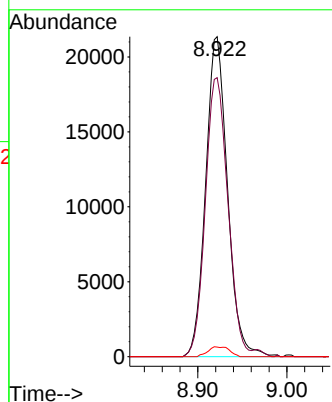
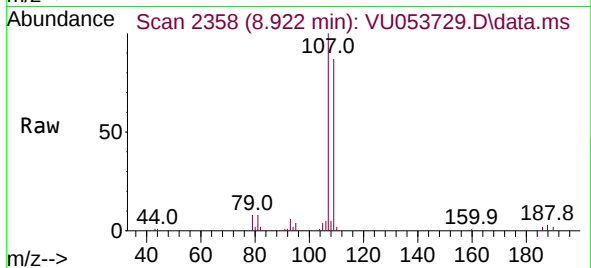
Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

Tgt Ion:107	Resp:	36354
Ion	Ratio	Lower Upper
107	100	
109	87.2	64.7 120.1
188	3.0	3.0 4.6#



#51

Chlorobenzene

Concen: 5.366 ug/L

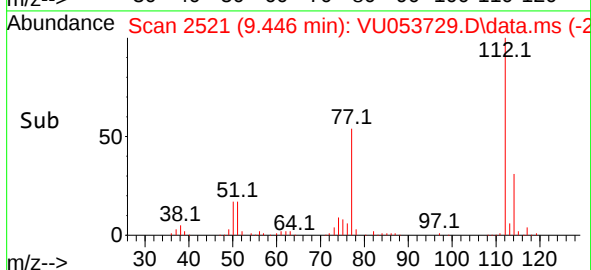
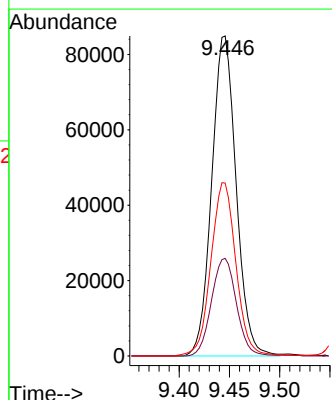
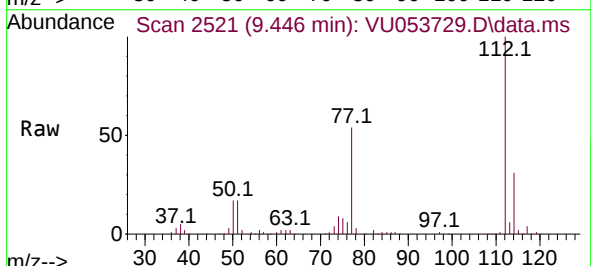
RT: 9.446 min Scan# 2521

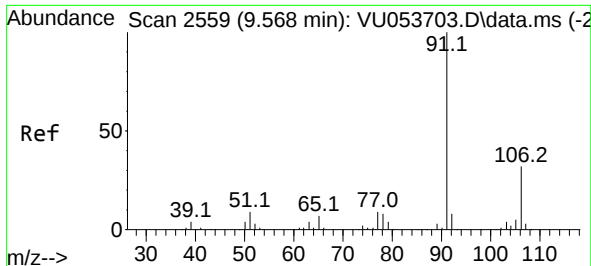
Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Tgt Ion:112	Resp:	143401
Ion	Ratio	Lower Upper
112	100	
114	30.5	22.1 41.1
77	54.1	45.8 68.6





#52

Ethylbenzene

Concen: 4.991 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

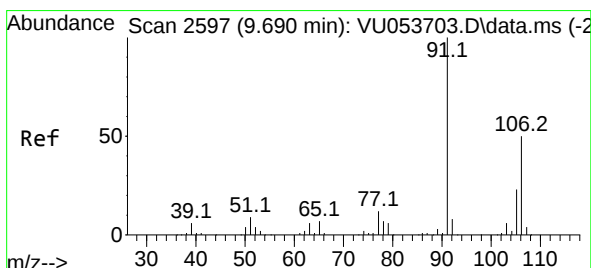
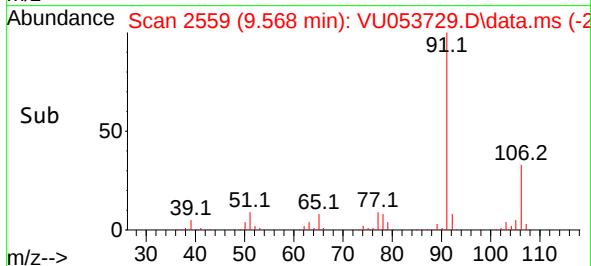
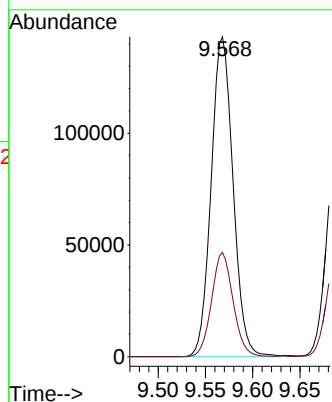
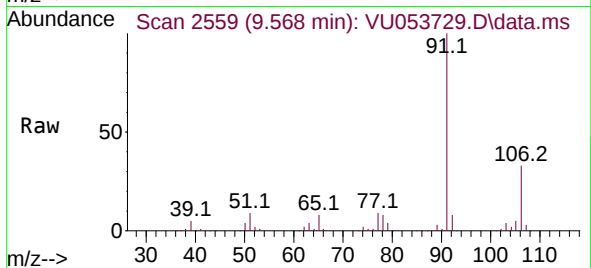
VSTD005151

Tgt Ion: 91 Resp: 230538

Ion Ratio Lower Upper

91 100

106 32.5 22.5 41.9



#53

m,p-Xylene

Concen: 5.183 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU053729.D

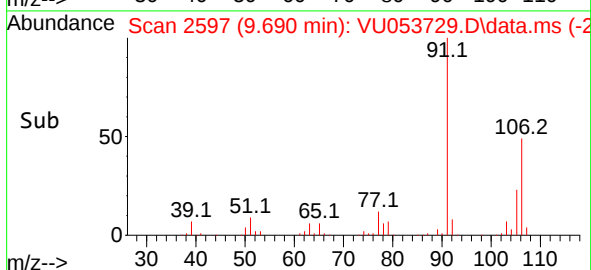
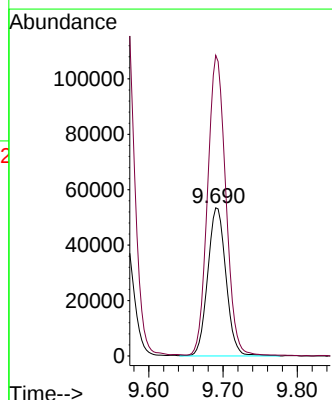
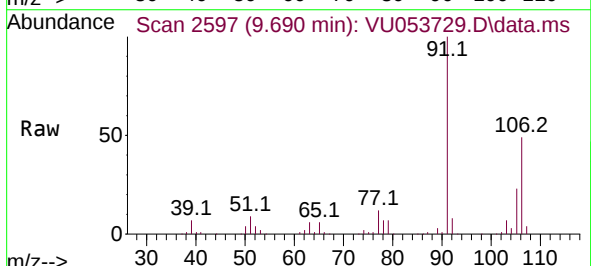
Acq: 17 Apr 2023 15:06

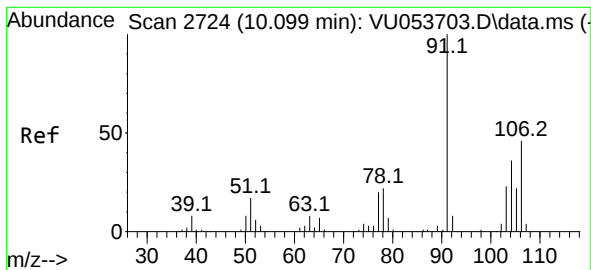
Tgt Ion: 106 Resp: 91256

Ion Ratio Lower Upper

106 100

91 203.0 138.8 257.8





#54

o-Xylene

Concen: 5.266 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

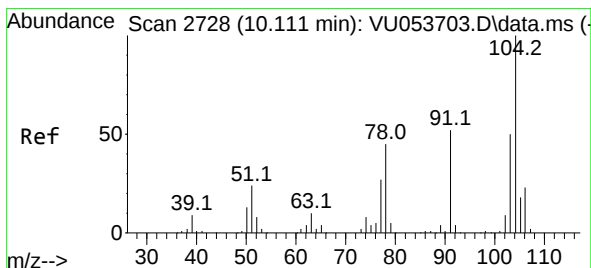
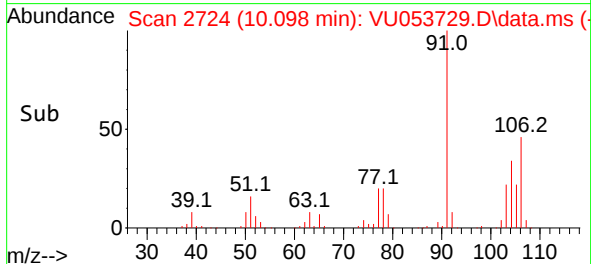
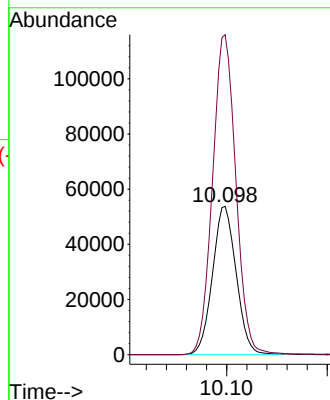
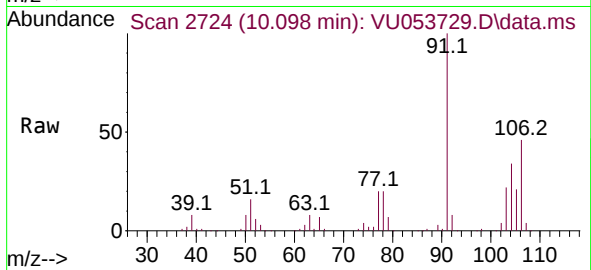
VSTD005151

Tgt Ion:106 Resp: 87977

Ion Ratio Lower Upper

106 100

91 215.8 150.8 280.0



#55

Styrene

Concen: 5.333 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU053729.D

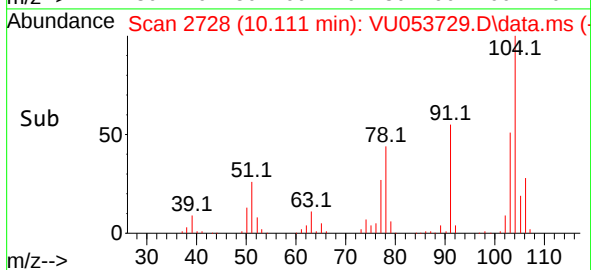
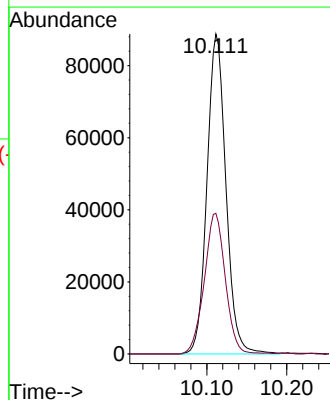
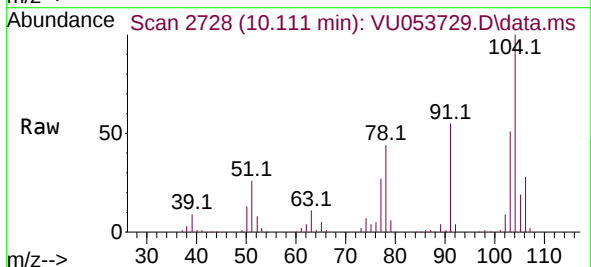
Acq: 17 Apr 2023 15:06

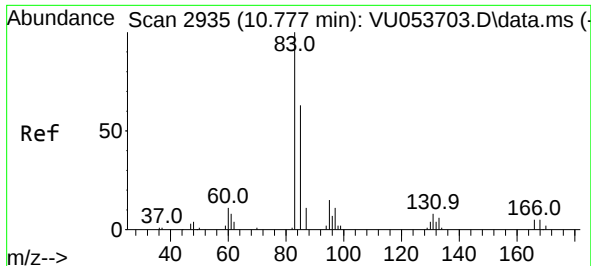
Tgt Ion:104 Resp: 146295

Ion Ratio Lower Upper

104 100

78 44.0 33.0 61.4

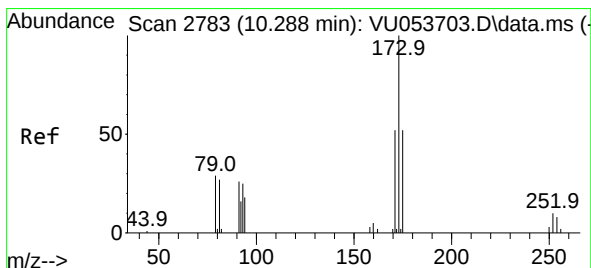
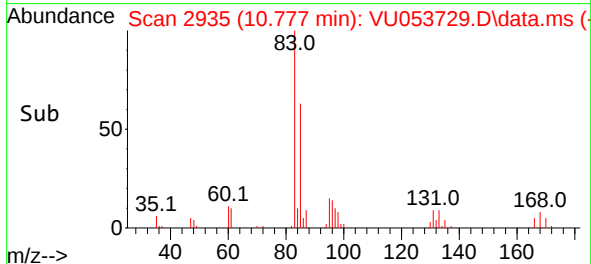
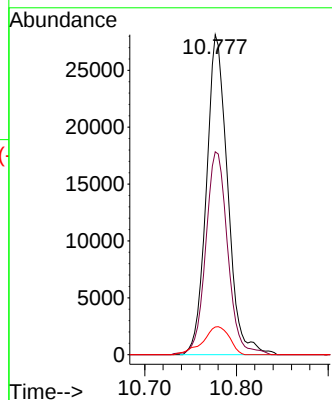
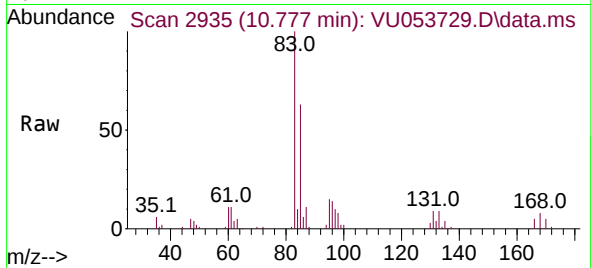




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.935 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053729.D
 Acq: 17 Apr 2023 15:06

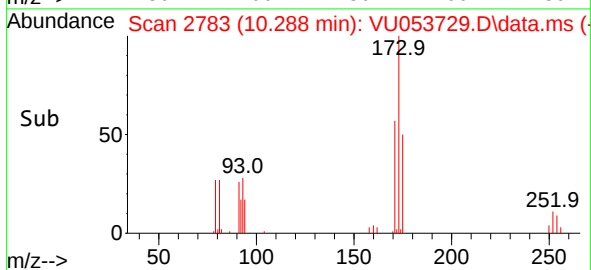
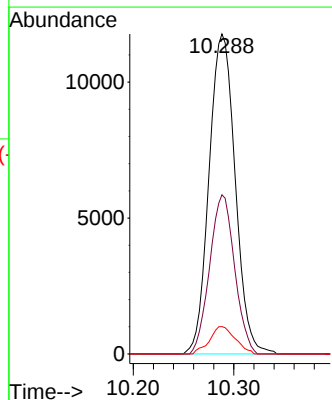
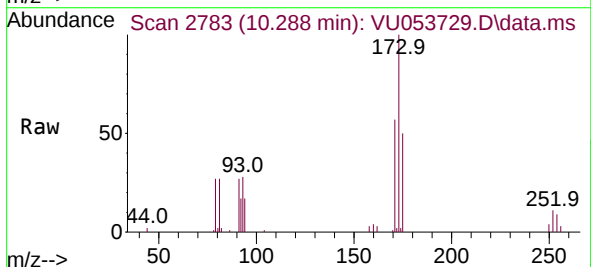
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

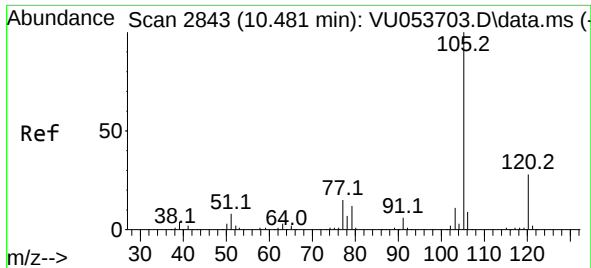
Tgt Ion: 83 Resp: 45303
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.8 81.4
 131 8.7 7.2 10.8



#59
 Bromoform
 Concen: 5.287 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. -0.000 min
 Lab File: VU053729.D
 Acq: 17 Apr 2023 15:06

Tgt Ion: 173 Resp: 21252
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.9 59.9
 254 8.4 6.6 9.8

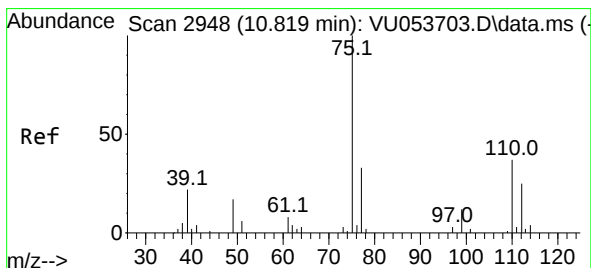
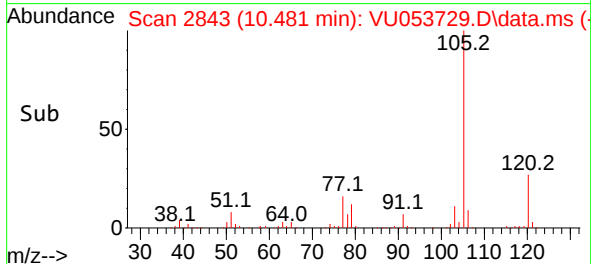
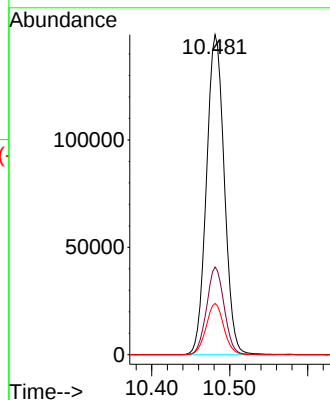
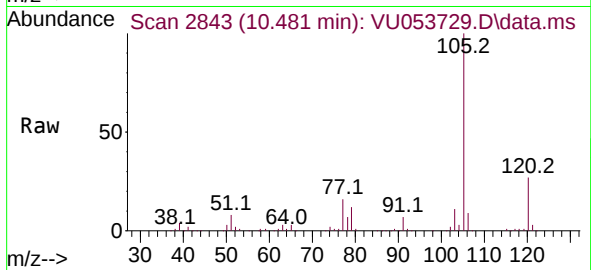




#60
Isopropylbenzene
Concen: 4.986 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

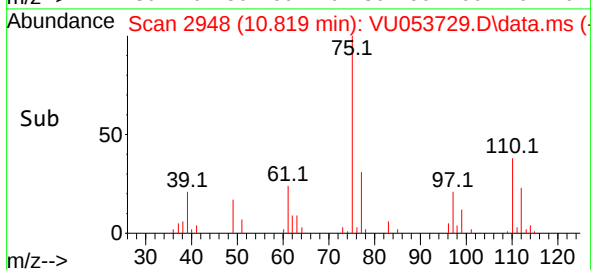
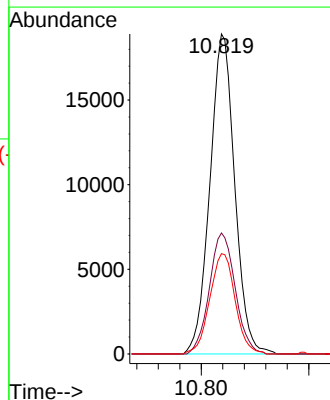
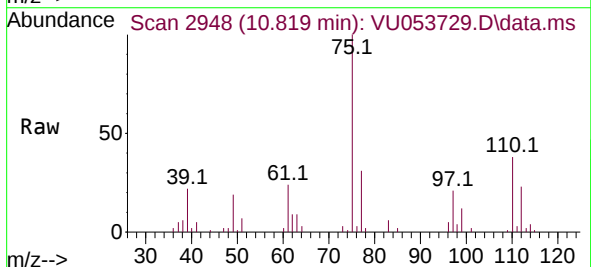
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

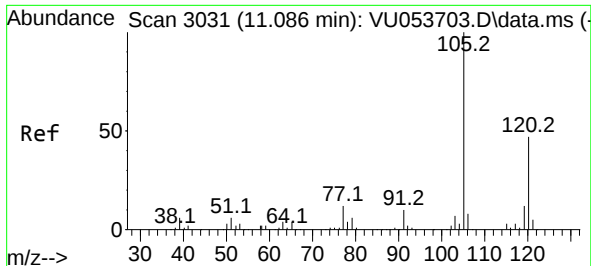
Tgt Ion:105 Resp: 236429
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 15.9 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 4.678 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion: 75 Resp: 30261
Ion Ratio Lower Upper
75 100
110 39.3 30.6 46.0
77 32.1 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.042 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

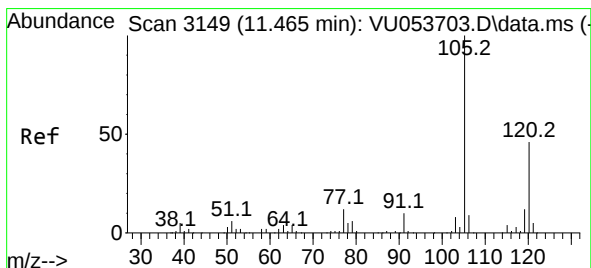
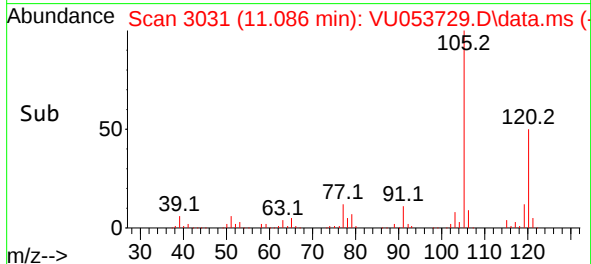
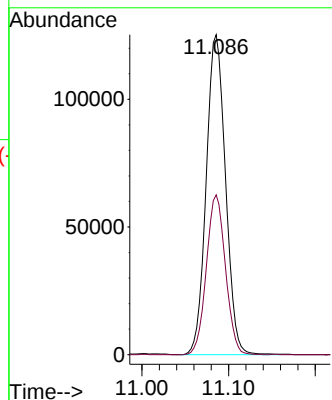
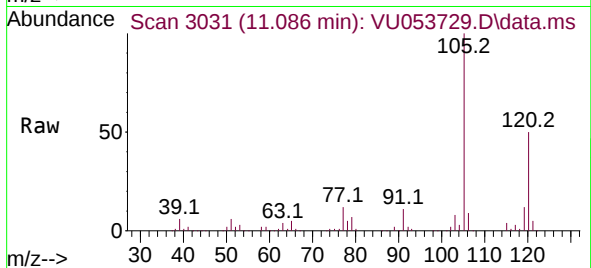
VSTD005151

Tgt Ion:105 Resp: 194027

Ion Ratio Lower Upper

105 100

120 49.4 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.096 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053729.D

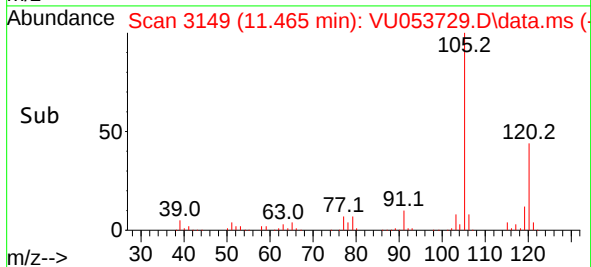
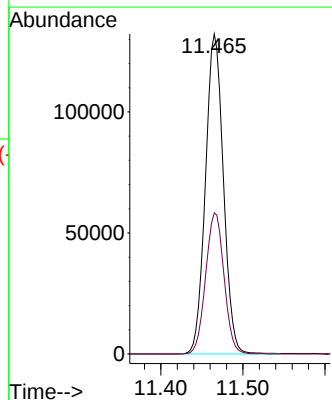
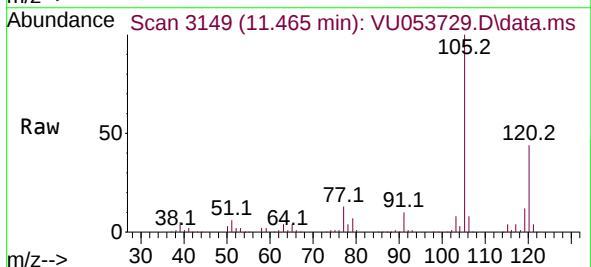
Acq: 17 Apr 2023 15:06

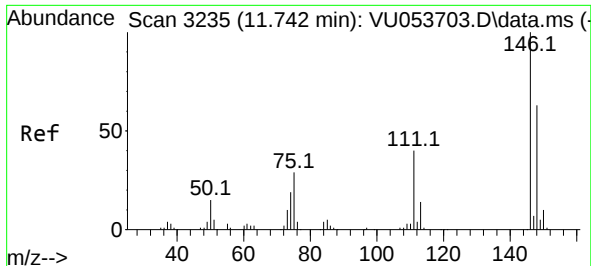
Tgt Ion:105 Resp: 200810

Ion Ratio Lower Upper

105 100

120 45.0 35.4 53.0

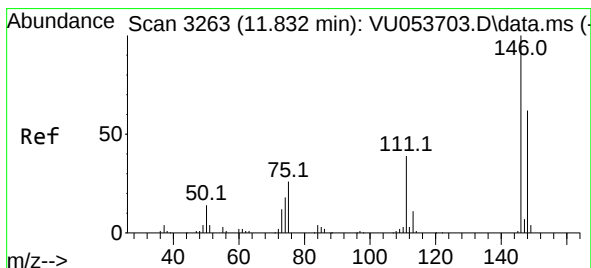
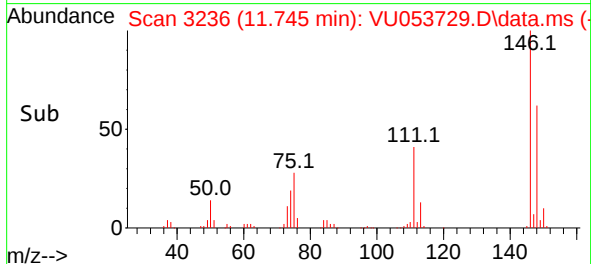
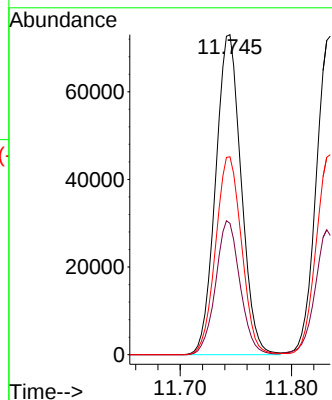
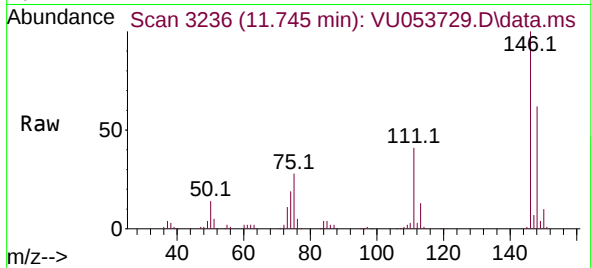




#64
1,3-Dichlorobenzene
Concen: 5.589 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

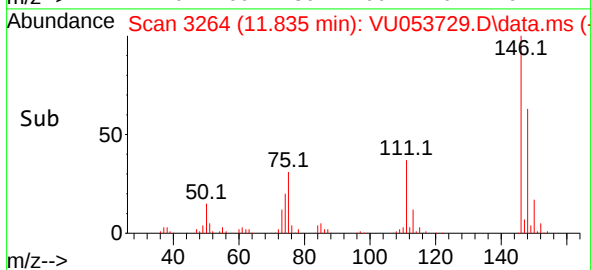
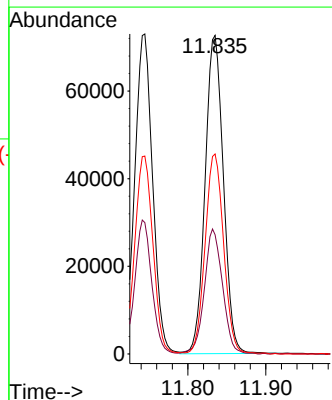
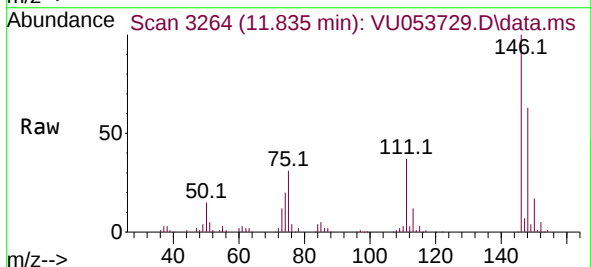
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

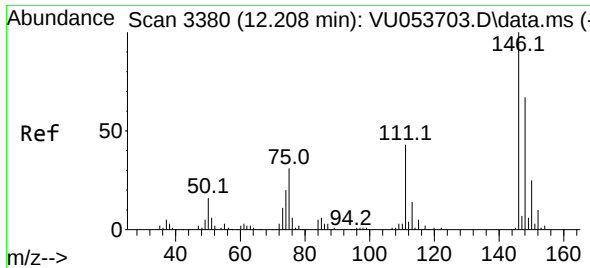
Tgt Ion:146 Resp: 116526
Ion Ratio Lower Upper
146 100
111 41.0 29.4 54.6
148 61.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.641 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion:146 Resp: 118081
Ion Ratio Lower Upper
146 100
111 37.4 29.8 55.4
148 62.8 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.582 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

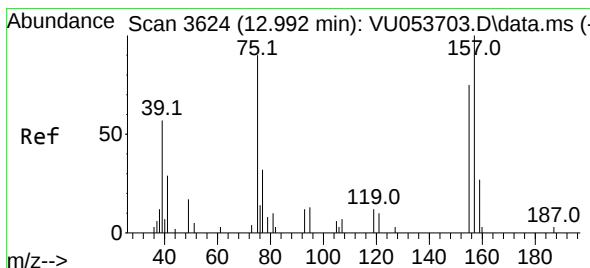
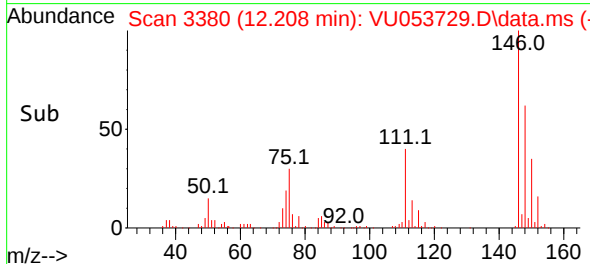
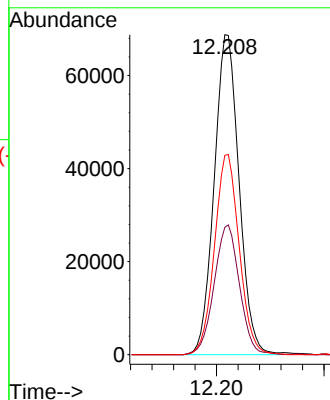
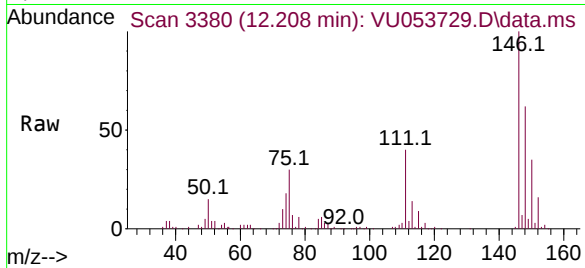
Tgt Ion:146 Resp: 110332

Ion Ratio Lower Upper

146 100

111 39.8 35.0 52.6

148 62.3 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.778 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 17 Apr 2023 15:06

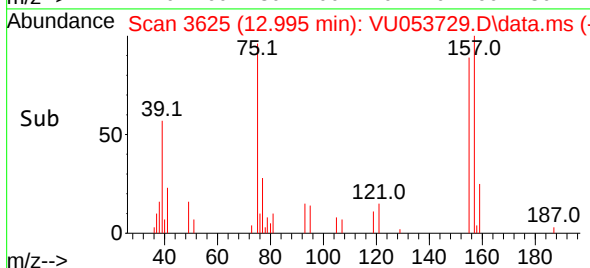
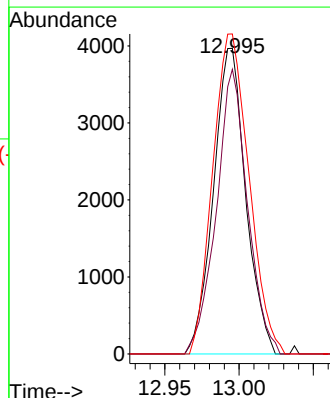
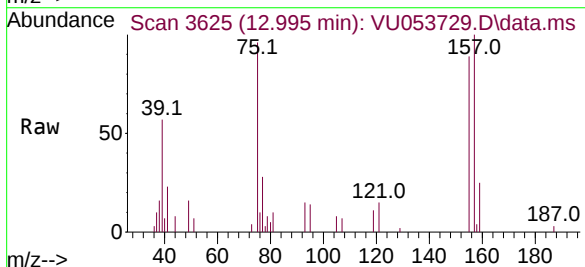
Tgt Ion: 75 Resp: 5993

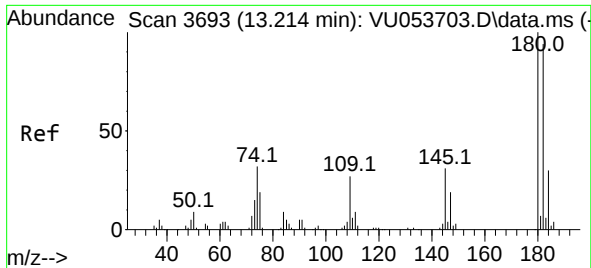
Ion Ratio Lower Upper

75 100

155 93.1 63.9 95.9

157 104.7 74.1 111.1

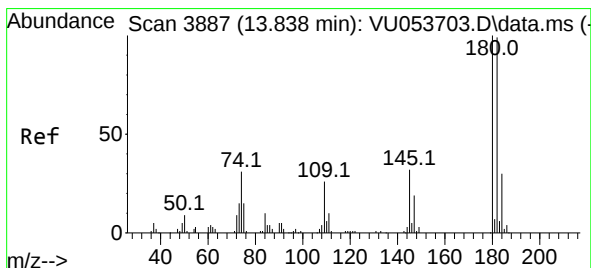
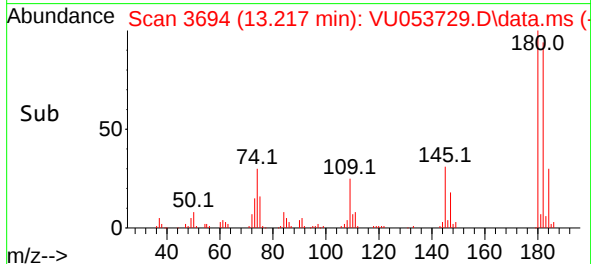
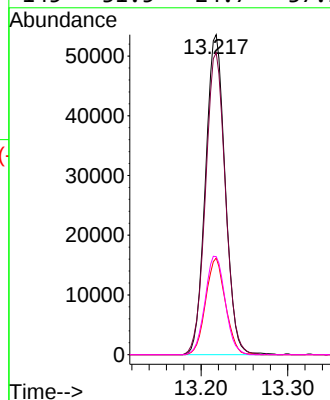
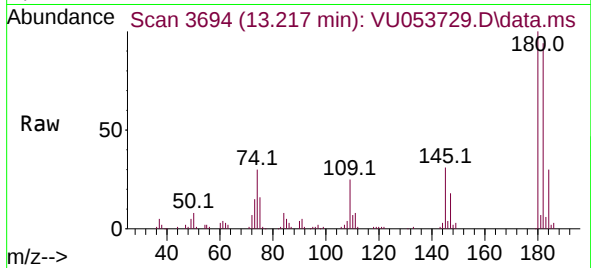




#69
1,3,5-Trichlorobenzene
Concen: 5.798 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

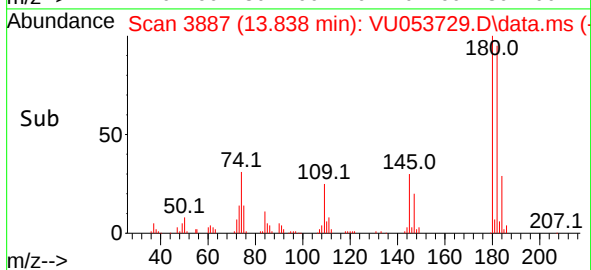
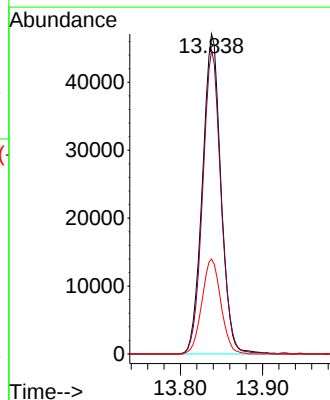
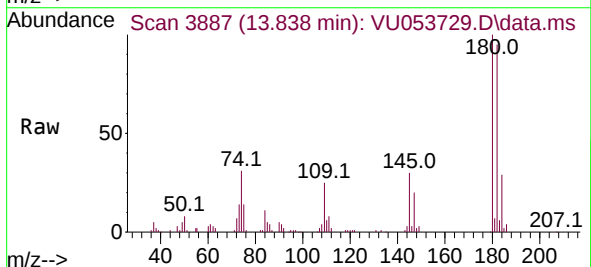
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

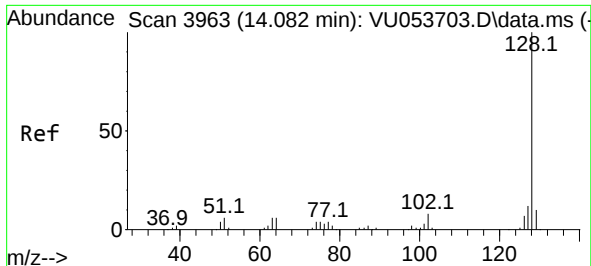
Tgt Ion:180 Resp: 84390
Ion Ratio Lower Upper
180 100
182 95.5 76.7 115.1
184 30.2 24.1 36.1
145 31.5 24.7 37.1



#70
1,2,4-trichlorobenzene
Concen: 6.366 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion:180 Resp: 73664
Ion Ratio Lower Upper
180 100
182 93.9 75.4 113.2
145 30.4 25.8 38.8

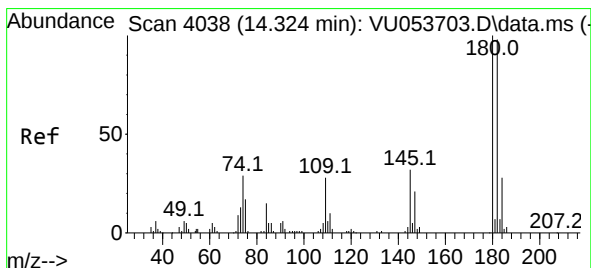
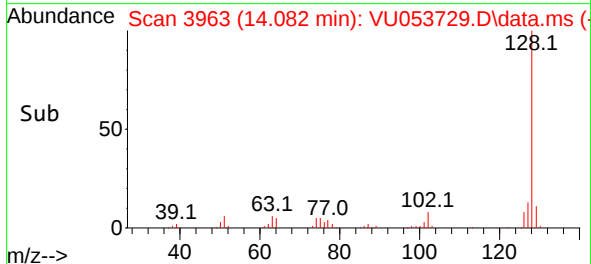
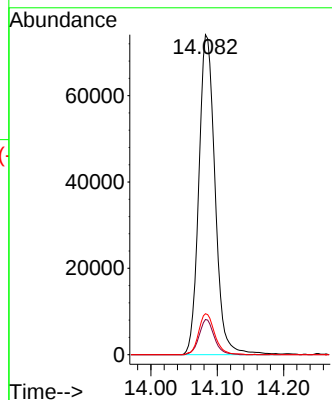
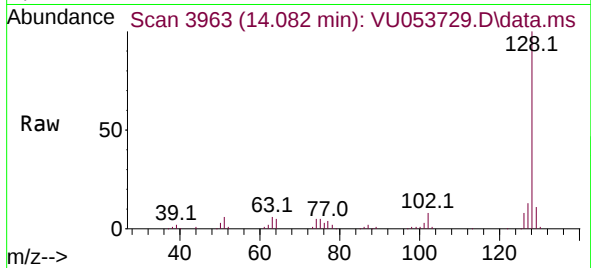




#71
Naphthalene
Concen: 5.767 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

Tgt Ion:128 Resp: 125723
Ion Ratio Lower Upper
128 100
129 10.3 8.2 12.4
127 12.7 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 6.467 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 17 Apr 2023 15:06

Tgt Ion:180 Resp: 65319
Ion Ratio Lower Upper
180 100
182 92.5 74.8 112.2
145 32.0 26.3 39.5

