

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053729.D
 Acq On : 14 Apr 2023 20:43
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

Quant Time: Apr 15 05:35:54 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	146983	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	140302	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	76931	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50174	4.962	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	1.912	69	39163	4.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.562	65	18091	4.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	4.633	46	87590	37.813	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.620%
24) Chloroform-d	5.060	84	81268	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.697	65	39732	4.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.723	84	162604	4.090	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.687	67	48324	3.988	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.800%
41) Toluene-d8	7.896	98	151174	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.176	79	18832	4.050	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.629	63	76877	40.708	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.420%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38572	3.825	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	55005	3.974	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	51914	4.922	ug/L	99
3) Chloromethane	1.520	50	53583	5.050	ug/L	100
5) Vinyl chloride	1.604	62	63267	5.288	ug/L	98
6) Bromomethane	1.855	94	32306	4.263	ug/L	99
8) Chloroethane	1.932	64	38140	5.484	ug/L	96
9) Trichlorofluoromethane	2.134	101	90366	5.001	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	47907	5.231	ug/L	94
12) 1,1-Dichloroethene	2.578	96	43350	5.209	ug/L	86
13) Acetone	2.646	43	68000	49.466	ug/L #	54
14) Carbon disulfide	2.790	76	114023	4.668	ug/L	99
15) Methyl Acetate	2.954	43	15470	4.797	ug/L	96
16) Methylene chloride	3.041	84	57264	5.239	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	102828	5.097	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	43175	4.995	ug/L	97
19) 1,1-Dichloroethane	3.864	63	80142	5.033	ug/L	98
21) 2-Butanone	4.710	43	100874	47.258	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	50296	4.319	ug/L	96
23) Bromochloromethane	4.970	128	22696	5.506	ug/L	95
25) Chloroform	5.083	83	88261	5.388	ug/L	98

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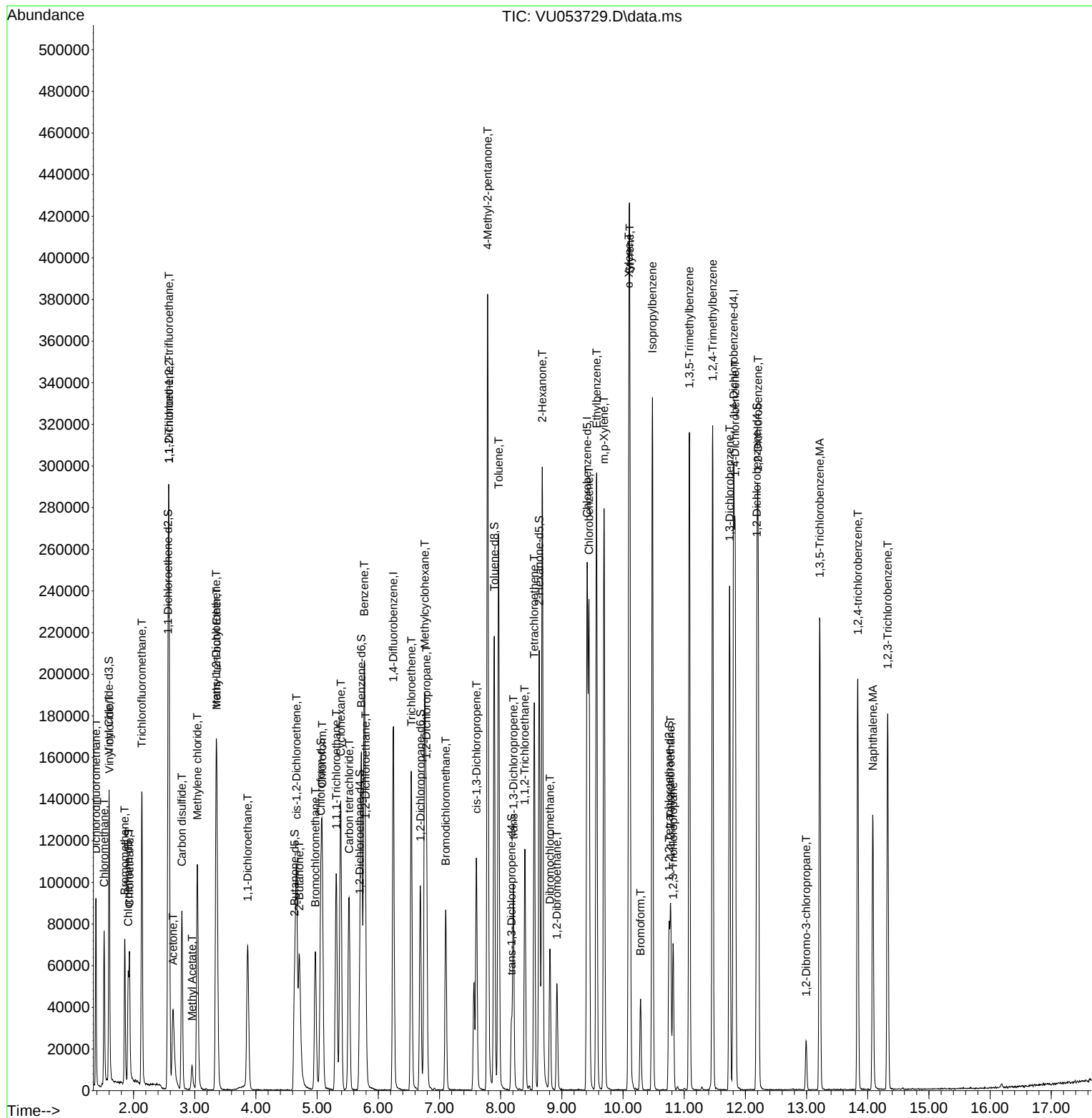
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	51998	5.068	ug/L #	93
29) 1,1,1-Trichloroethane	5.314	97	75338	5.439	ug/L	97
30) Cyclohexane	5.385	56	67370	4.565	ug/L	97
31) Carbon tetrachloride	5.523	117	63781	5.442	ug/L	100
33) Benzene	5.771	78	189134	5.031	ug/L	100
34) Trichloroethene	6.539	95	53027	5.297	ug/L	93
35) Methylcyclohexane	6.761	83	76284	4.441	ug/L	97
37) 1,2-Dichloropropane	6.787	63	47681	4.804	ug/L	98
38) Bromodichloromethane	7.102	83	56934	5.165	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	69189	4.718	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	239491	49.305	ug/L	96
42) Toluene	7.967	91	201219	4.899	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	57074	4.784	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	37944	5.384	ug/L	94
47) Tetrachloroethene	8.549	164	39468	5.366	ug/L	95
48) 2-Hexanone	8.681	43	176231	49.068	ug/L	97
49) Dibromochloromethane	8.806	129	35752	5.130	ug/L	91
50) 1,2-Dibromoethane	8.919	107	35794	5.258	ug/L	100
51) Chlorobenzene	9.443	112	129719	5.007	ug/L	100
52) Ethylbenzene	9.568	91	215007	4.802	ug/L	98
53) m,p-Xylene	9.690	106	83457	4.890	ug/L	97
54) o-Xylene	10.095	106	79987	4.939	ug/L	95
55) Styrene	10.111	104	131799	4.956	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	41432	4.655	ug/L	95
59) Bromoform	10.285	173	20039	5.059	ug/L	98
60) Isopropylbenzene	10.481	105	215575	4.613	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29602	4.644	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	172997	4.562	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	177339	4.567	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	101367	4.934	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	100866	4.890	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	95853	4.921	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	6202	5.018	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	73041	5.093	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	60513	5.307	ug/L	100
71) Naphthalene	14.082	128	110277	5.133	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	56583	5.685	ug/L	99

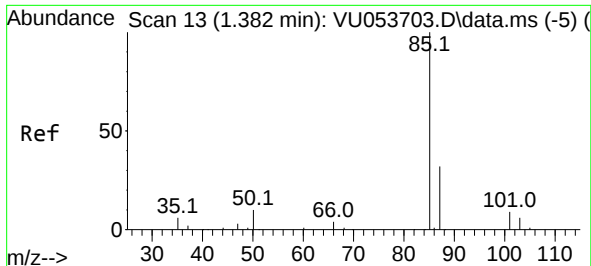
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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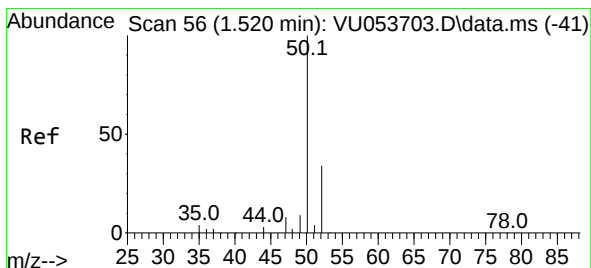
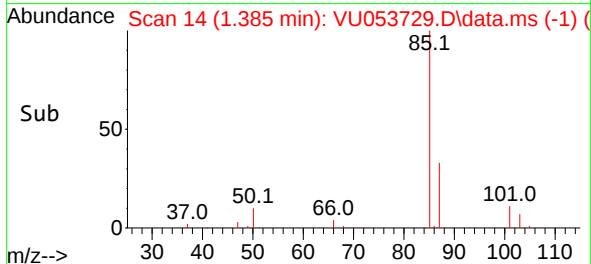
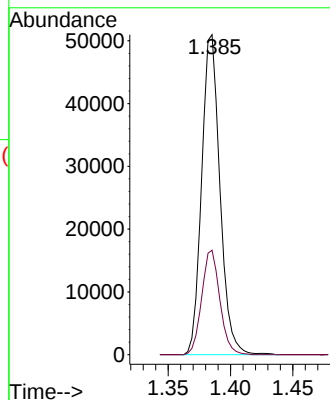
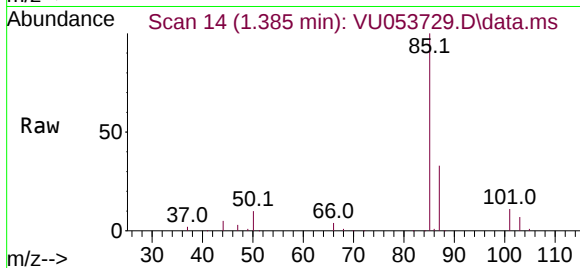




#2
Dichlorodifluoromethane
Concen: 4.922 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

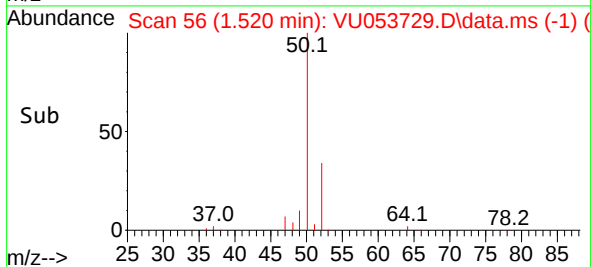
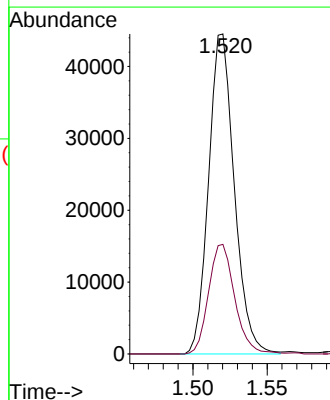
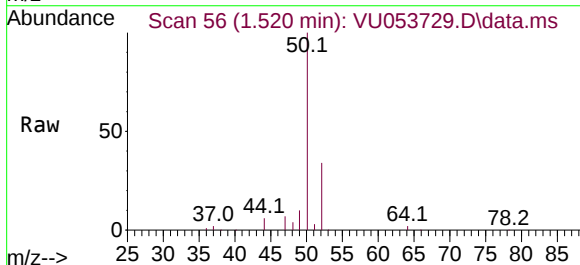
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

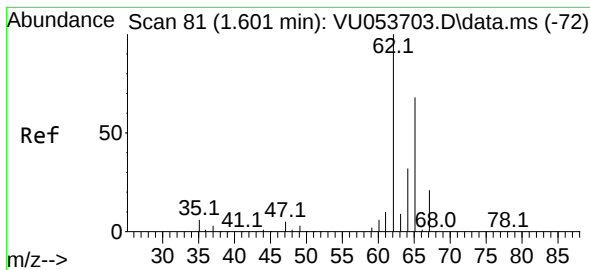
Tgt Ion: 85 Resp: 51914
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1



#3
Chloromethane
Concen: 5.050 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 50 Resp: 53583
Ion Ratio Lower Upper
50 100
52 34.3 23.9 44.3





#5

Vinyl chloride

Concen: 5.288 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

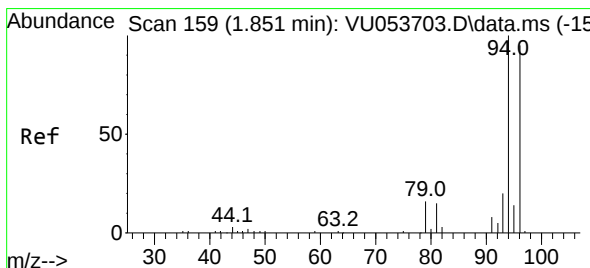
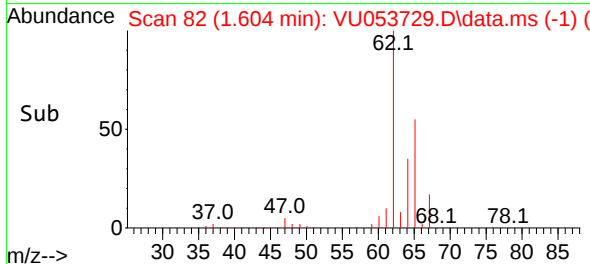
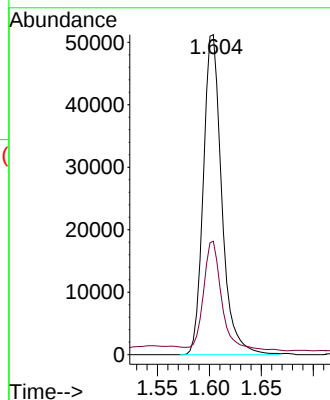
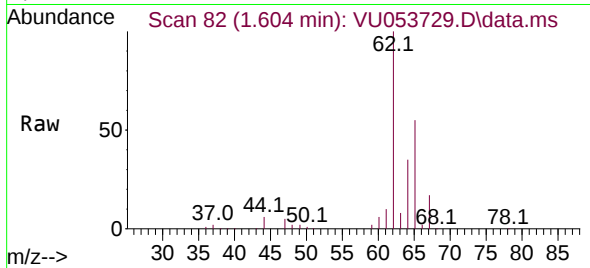
VSTD005151

Tgt Ion: 62 Resp: 63267

Ion Ratio Lower Upper

62 100

64 35.5 24.1 44.7



#6

Bromomethane

Concen: 4.263 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.003 min

Lab File: VU053729.D

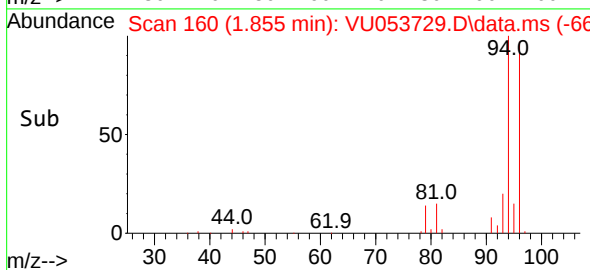
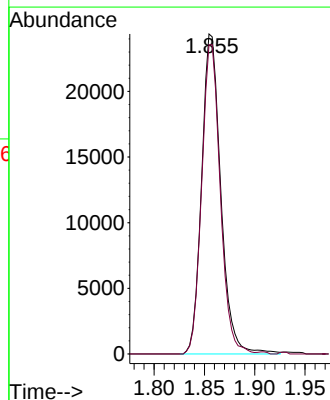
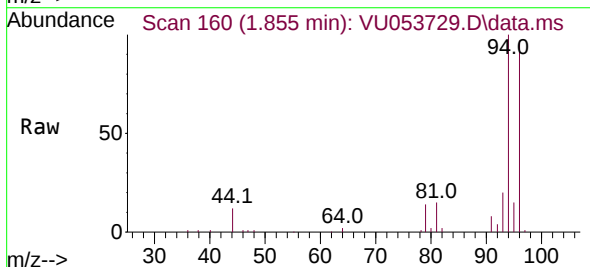
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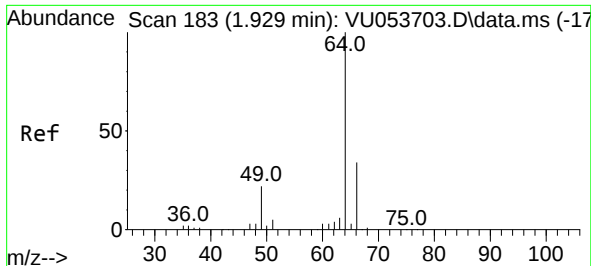
Tgt Ion: 94 Resp: 32306

Ion Ratio Lower Upper

94 100

96 96.6 68.3 126.8





#8

Chloroethane

Concen: 5.484 ug/L

RT: 1.932 min Scan# 184

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

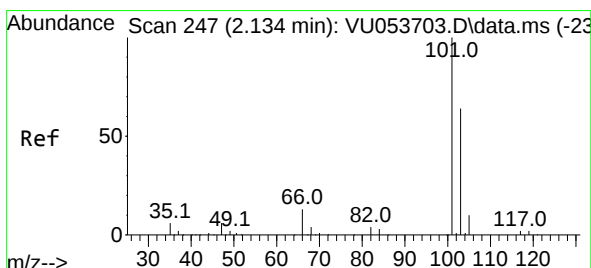
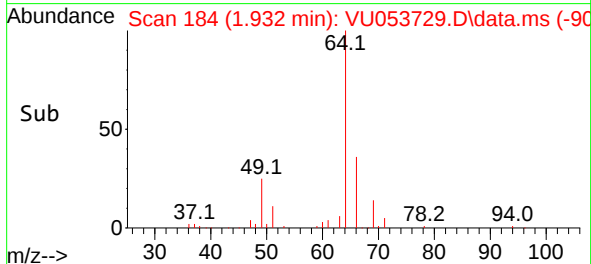
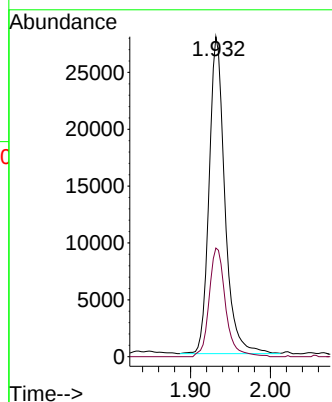
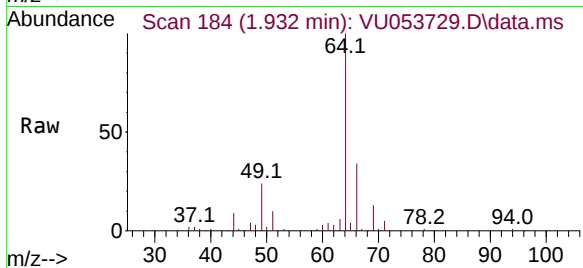
VSTD005151

Tgt Ion: 64 Resp: 38140

Ion Ratio Lower Upper

64 100

66 33.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.001 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU053729.D

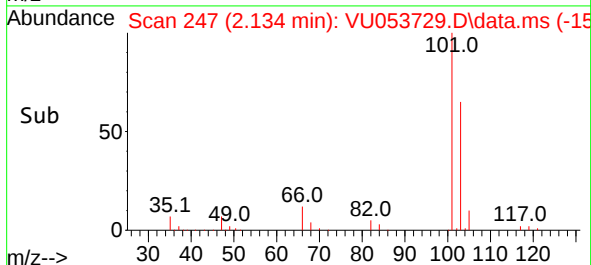
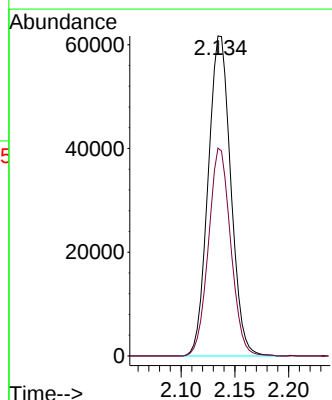
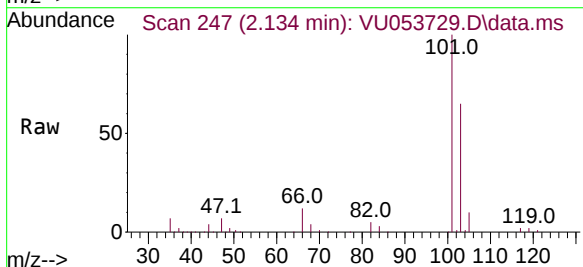
Acq: 14 Apr 2023 20:43

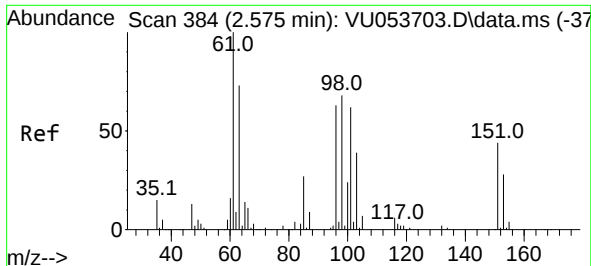
Tgt Ion:101 Resp: 90366

Ion Ratio Lower Upper

101 100

103 63.7 50.2 75.2





#10

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

Concen: 5.231 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

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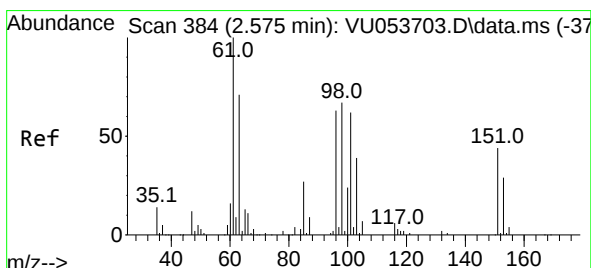
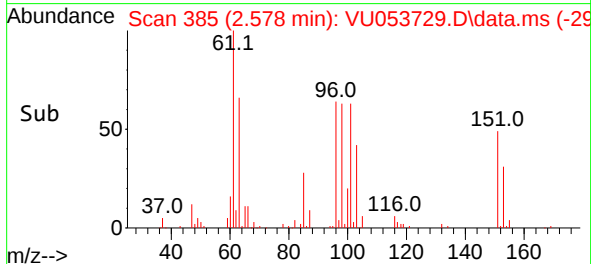
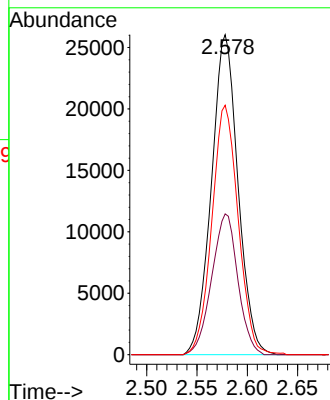
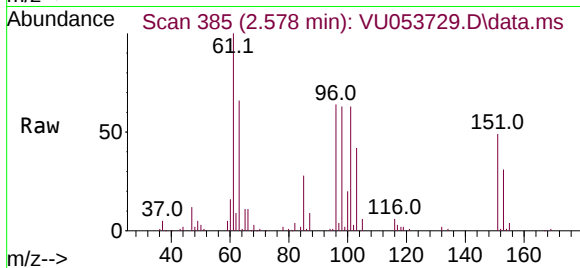
Tgt Ion:101 Resp: 47907

Ion Ratio Lower Upper

101 100

85 43.2 37.0 55.4

151 77.1 56.8 85.2



#12

1,1-Dichloroethene

Concen: 5.209 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

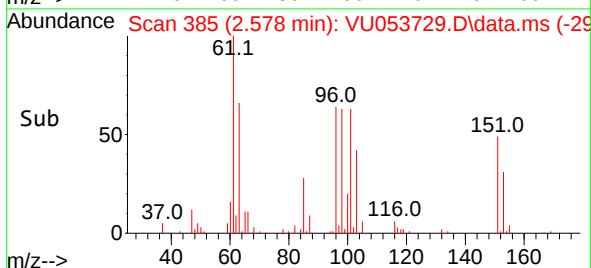
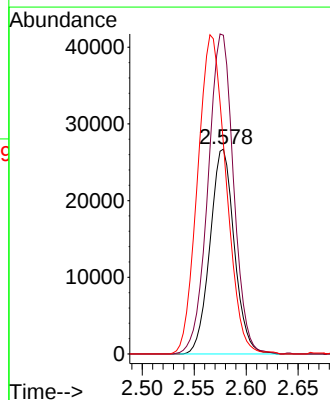
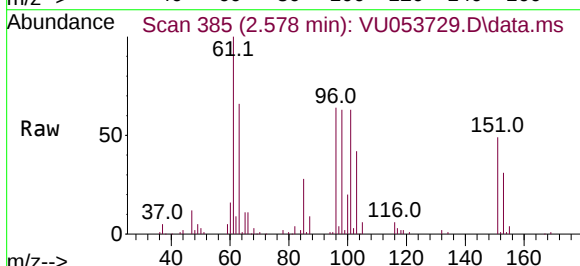
Tgt Ion: 96 Resp: 43350

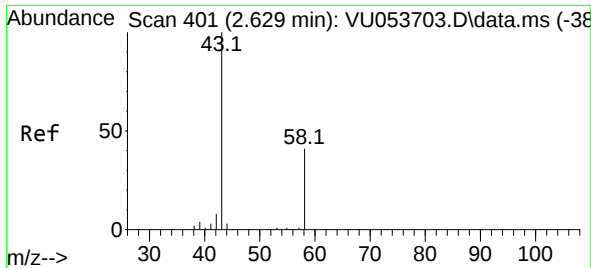
Ion Ratio Lower Upper

96 100

61 155.6 116.8 216.8

63 102.8 88.6 164.6





#13

Acetone

Concen: 49.466 ug/L

RT: 2.646 min Scan# 401

Delta R.T. 0.016 min

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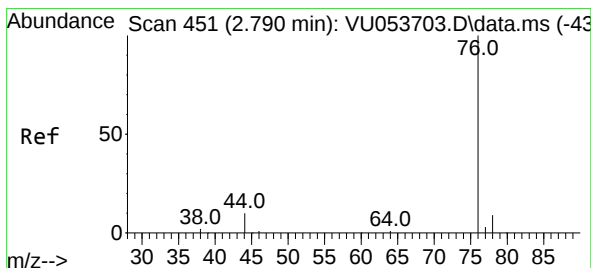
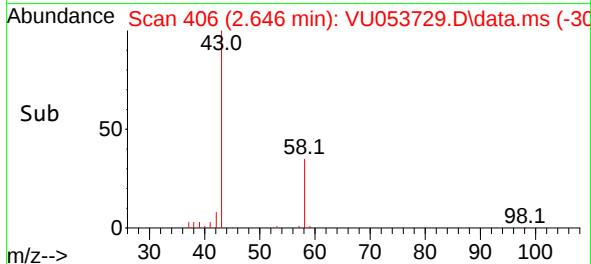
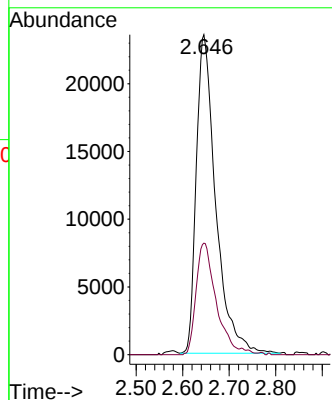
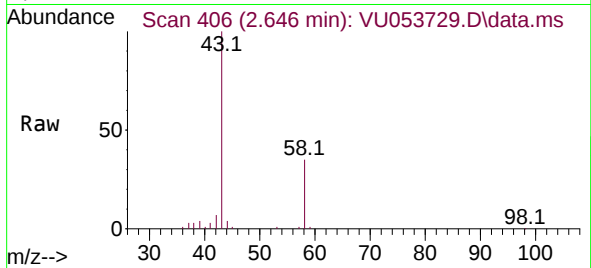
VSTD005151

Tgt Ion: 43 Resp: 68000

Ion Ratio Lower Upper

43 100

58 35.6 0.0 32.2#



#14

Carbon disulfide

Concen: 4.668 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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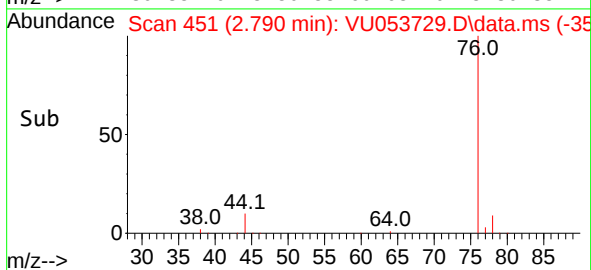
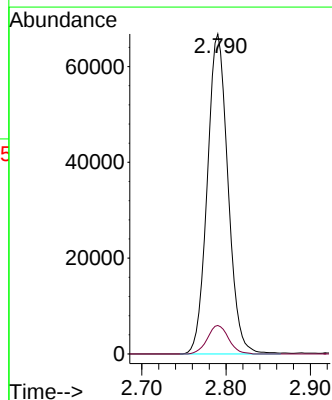
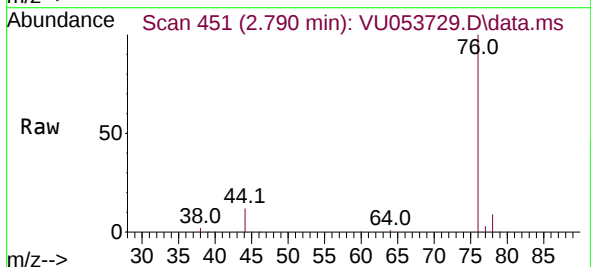
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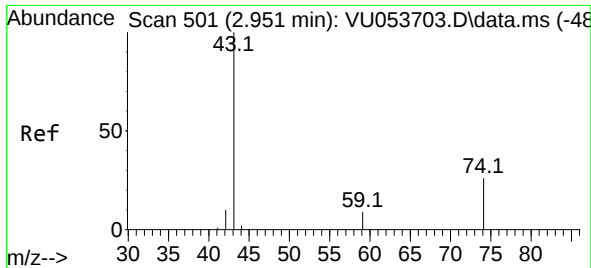
Tgt Ion: 76 Resp: 114023

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

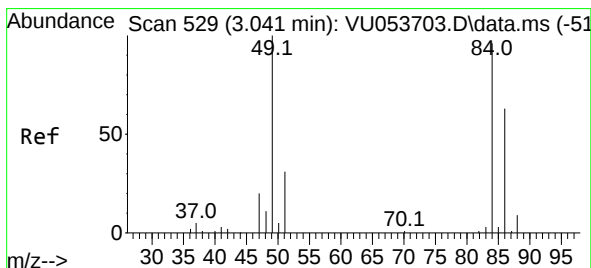
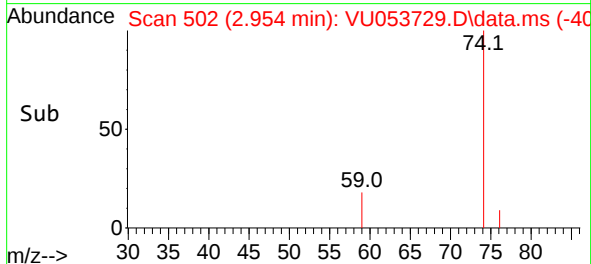
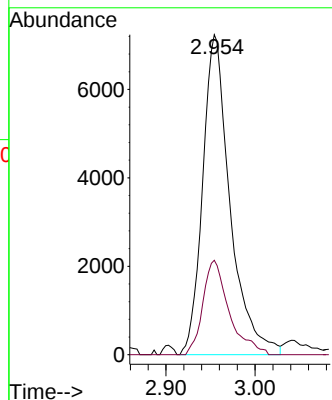
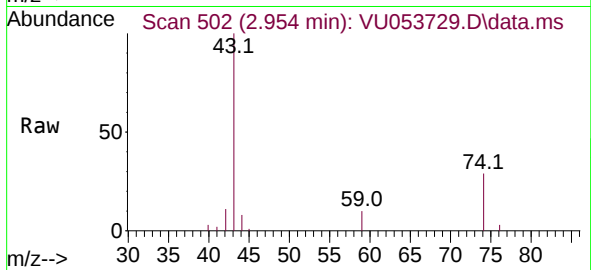




#15
Methyl Acetate
Concen: 4.797 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

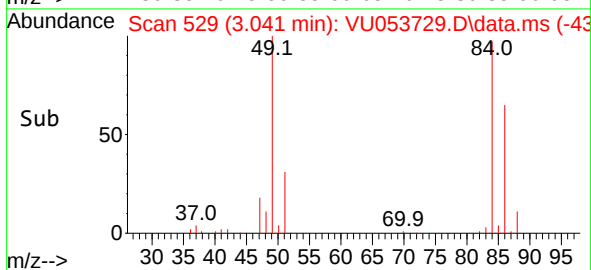
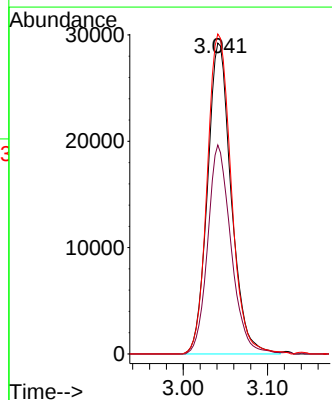
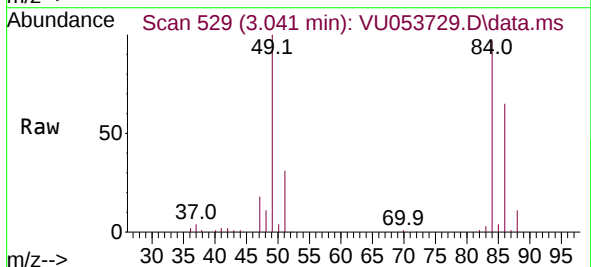
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

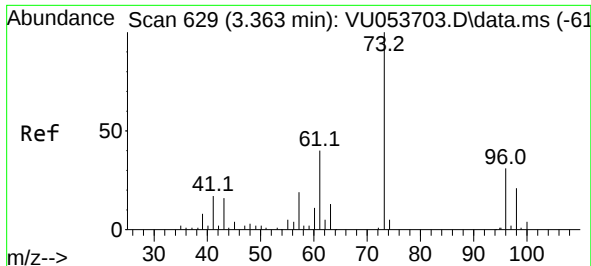
Tgt Ion: 43 Resp: 15470
Ion Ratio Lower Upper
43 100
74 28.2 20.8 31.2



#16
Methylene chloride
Concen: 5.239 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 84 Resp: 57264
Ion Ratio Lower Upper
84 100
86 67.2 44.7 83.1
49 103.0 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.097 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

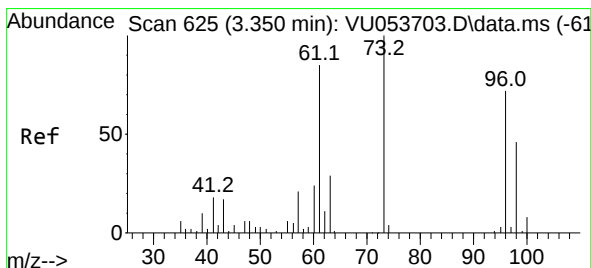
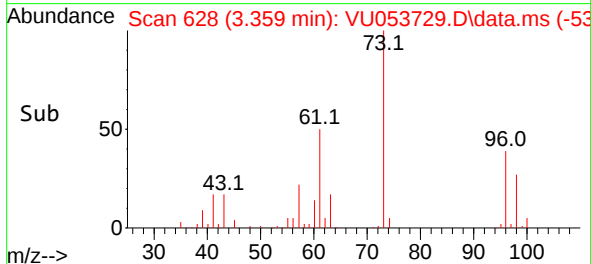
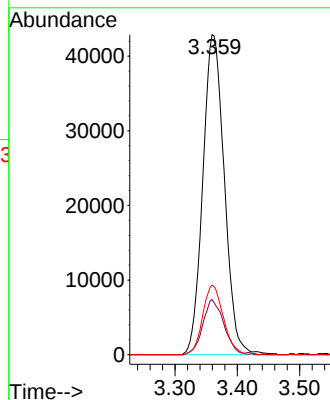
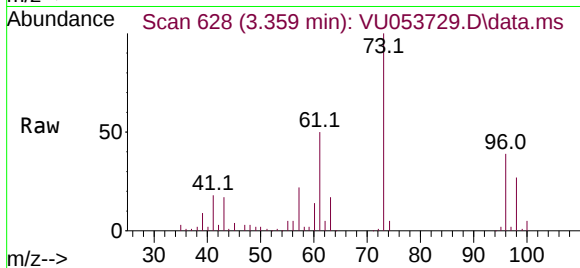
Tgt Ion: 73 Resp: 102828

Ion Ratio Lower Upper

73 100

43 16.8 13.9 20.9

57 20.8 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.995 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

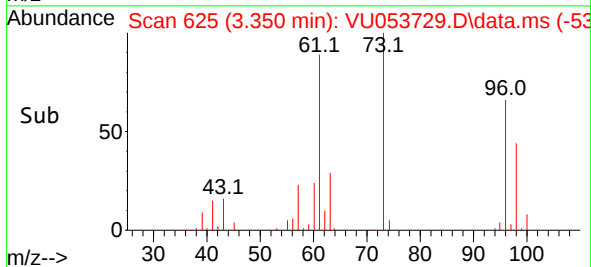
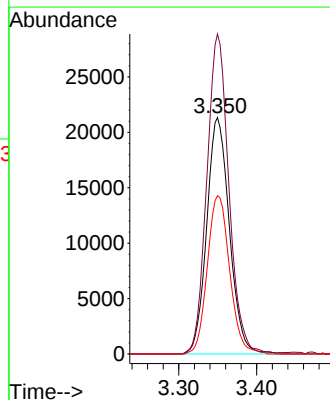
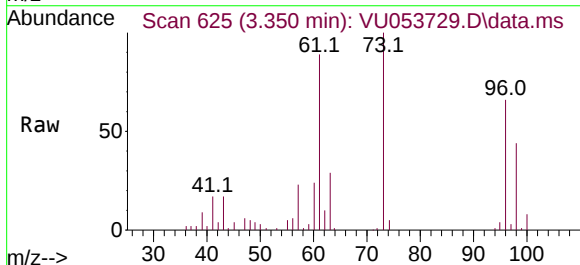
Tgt Ion: 96 Resp: 43175

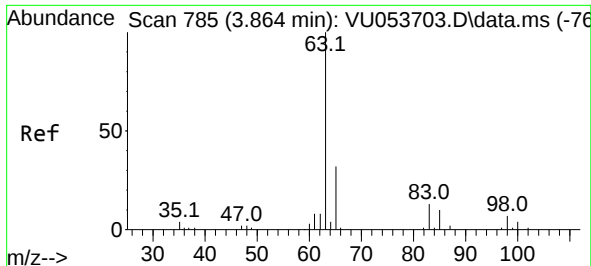
Ion Ratio Lower Upper

96 100

61 135.3 95.5 177.3

98 66.9 42.2 78.4





#19

1,1-Dichloroethane

Concen: 5.033 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

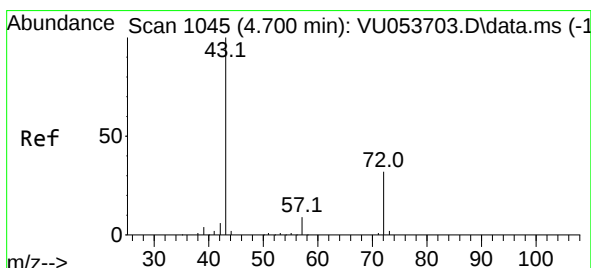
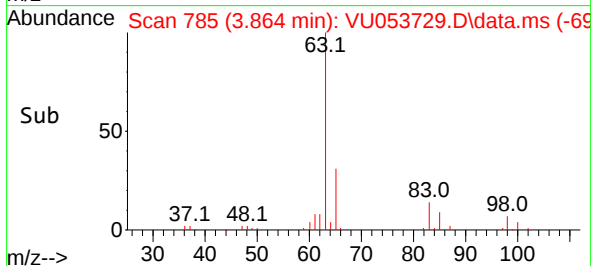
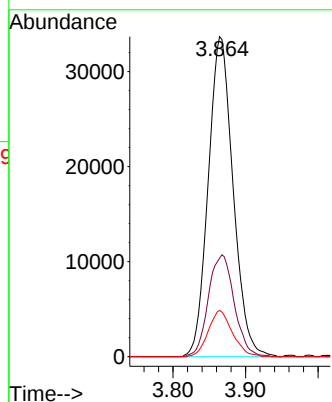
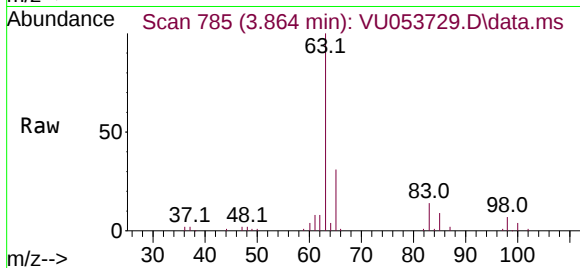
Tgt Ion: 63 Resp: 80142

Ion Ratio Lower Upper

63 100

65 30.8 21.7 40.3

83 14.4 8.1 15.1



#21

2-Butanone

Concen: 47.258 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.010 min

Lab File: VU053729.D

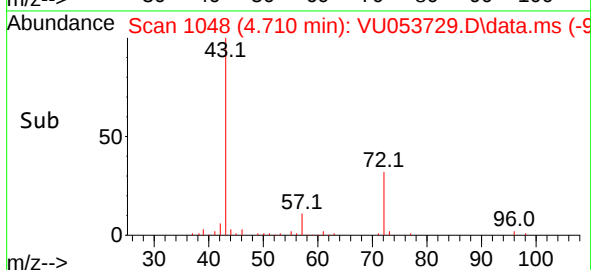
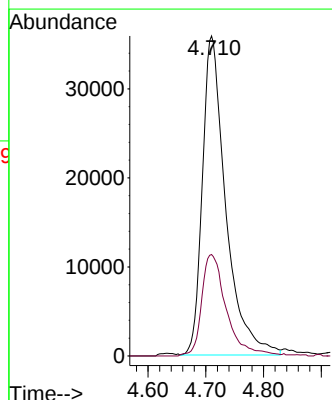
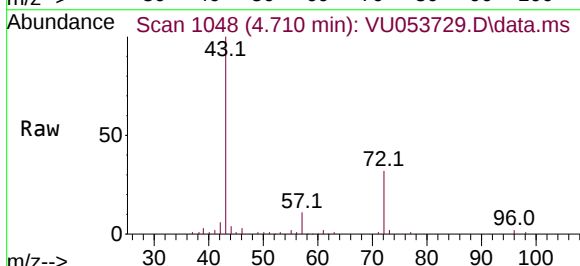
Acq: 14 Apr 2023 20:43

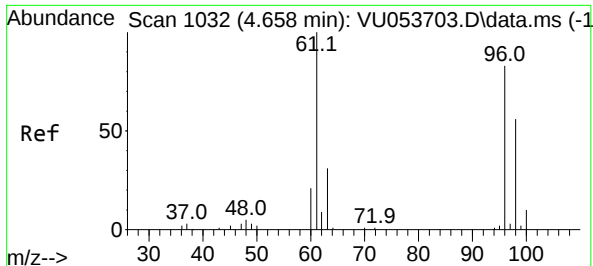
Tgt Ion: 43 Resp: 100874

Ion Ratio Lower Upper

43 100

72 33.5 16.2 48.6





#22

cis-1,2-Dichloroethene

Concen: 4.319 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

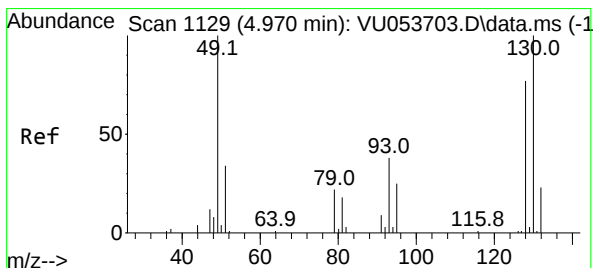
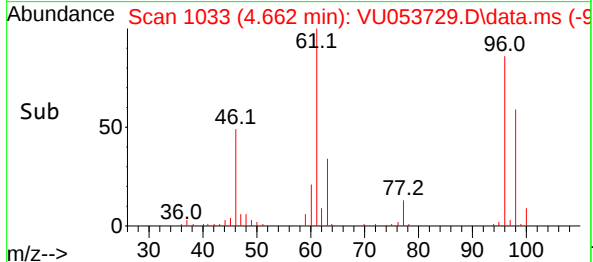
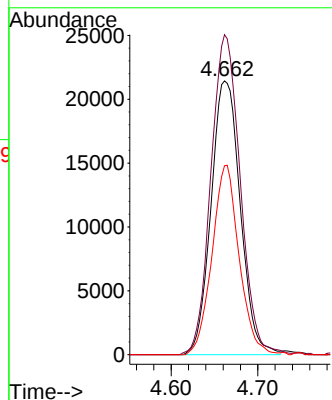
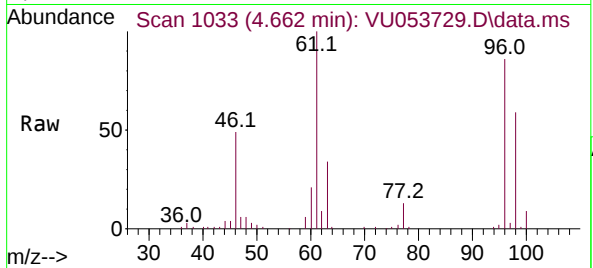
Tgt Ion: 96 Resp: 50296

Ion Ratio Lower Upper

96 100

61 116.9 86.6 160.8

98 69.1 47.7 88.5



#23

Bromochloromethane

Concen: 5.506 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Tgt Ion: 128 Resp: 22696

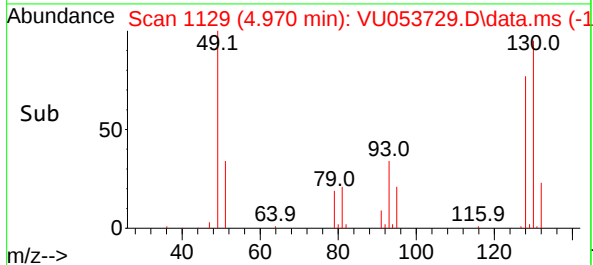
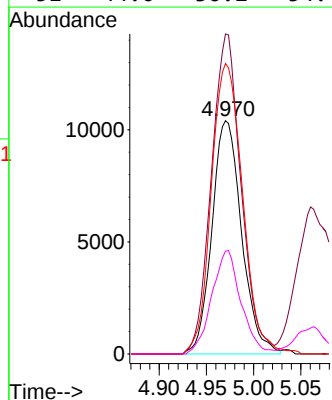
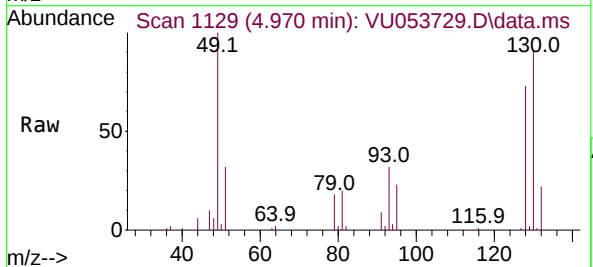
Ion Ratio Lower Upper

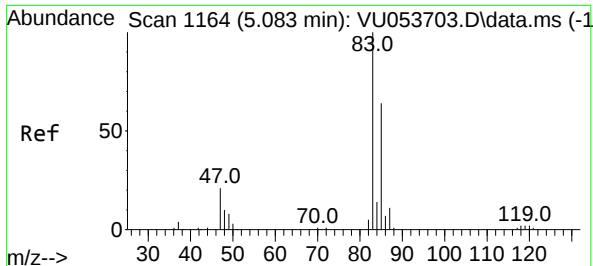
128 100

49 137.2 102.8 190.8

130 124.5 85.1 158.1

51 44.0 36.2 54.4





#25

Chloroform

Concen: 5.388 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

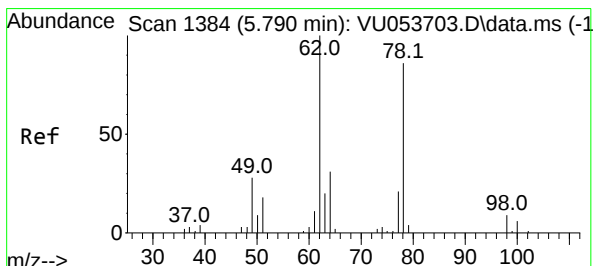
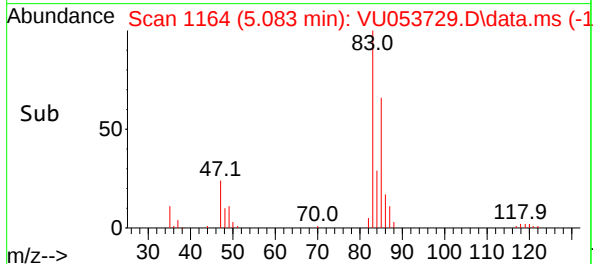
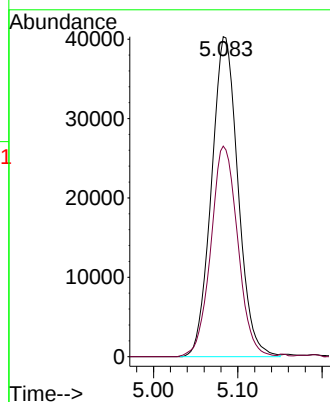
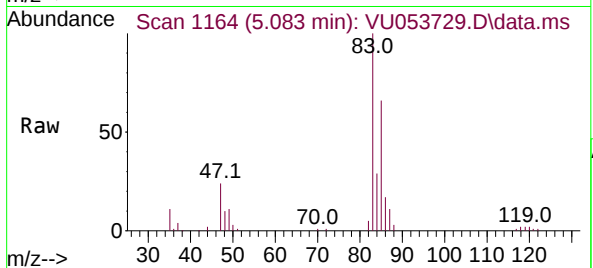
VSTD005151

Tgt Ion: 83 Resp: 88261

Ion Ratio Lower Upper

83 100

85 65.8 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.068 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053729.D

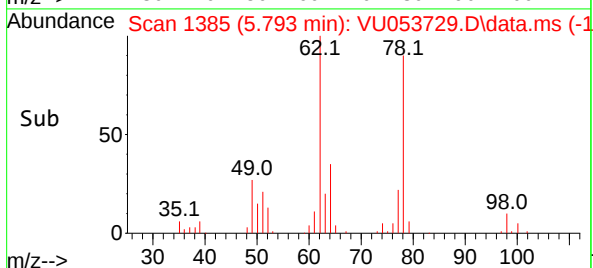
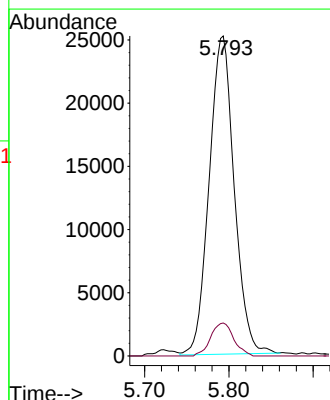
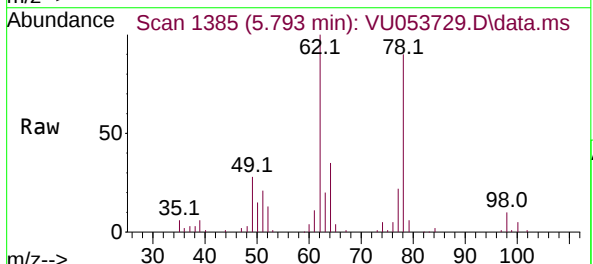
Acq: 14 Apr 2023 20:43

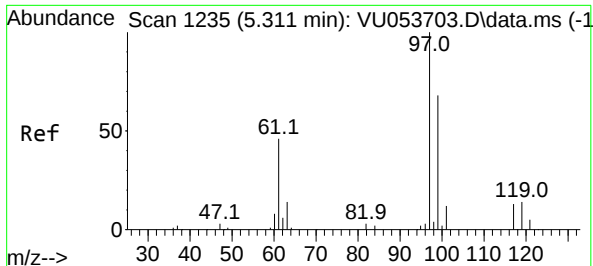
Tgt Ion: 62 Resp: 51998

Ion Ratio Lower Upper

62 100

98 10.3 6.4 9.6#





#29

1,1,1-Trichloroethane

Concen: 5.439 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

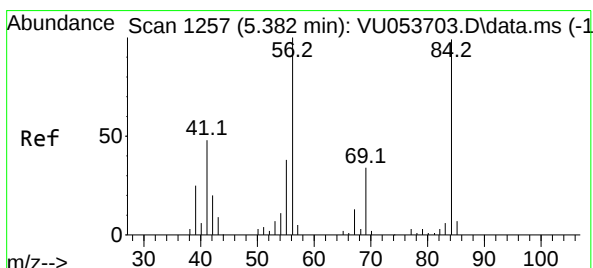
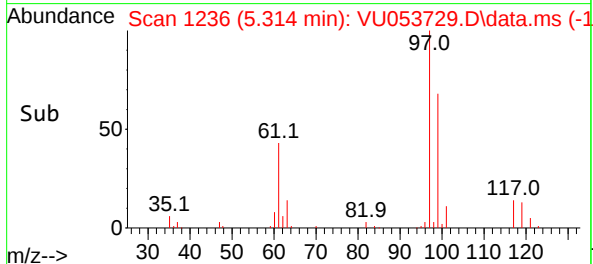
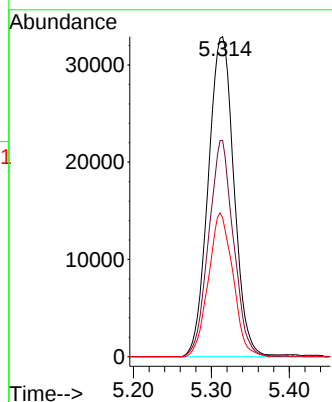
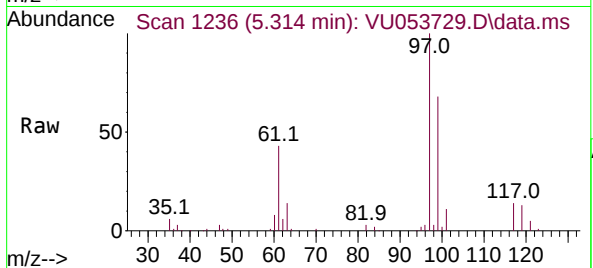
Tgt Ion: 97 Resp: 75338

Ion Ratio Lower Upper

97 100

99 65.3 49.9 74.9

61 42.9 35.7 53.5



#30

Cyclohexane

Concen: 4.565 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

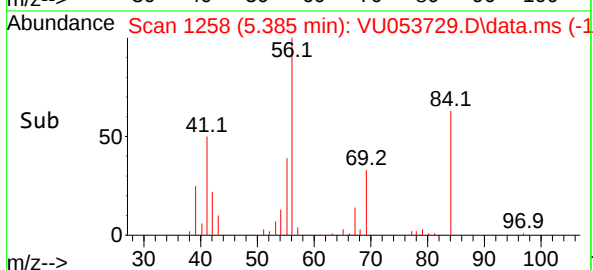
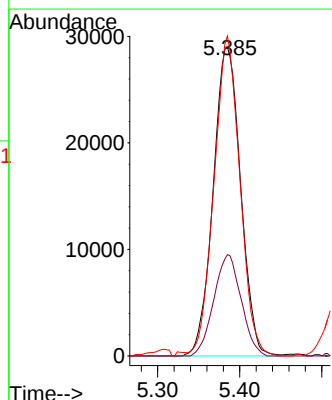
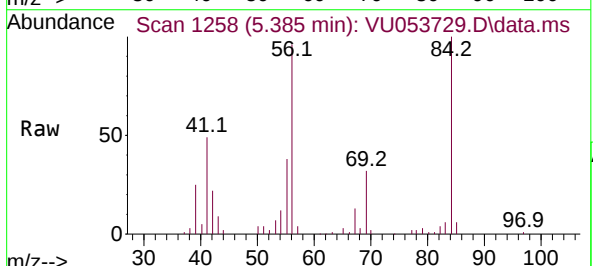
Tgt Ion: 56 Resp: 67370

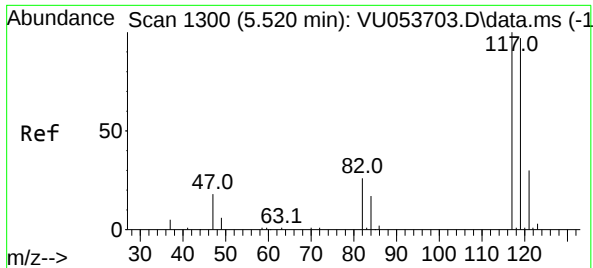
Ion Ratio Lower Upper

56 100

69 32.7 26.1 39.1

84 97.8 75.6 113.4

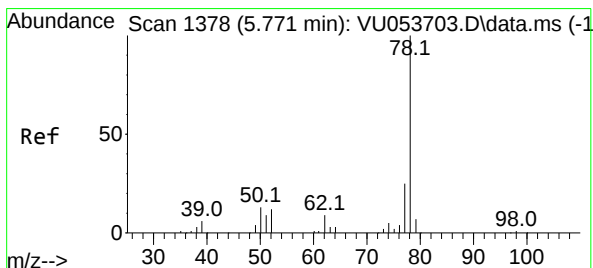
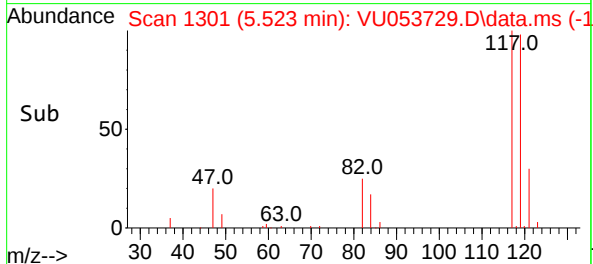
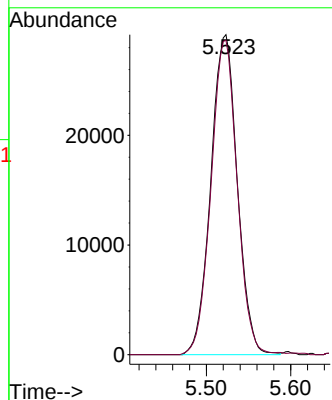
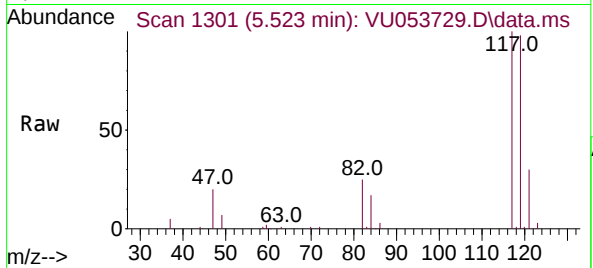




#31
Carbon tetrachloride
Concen: 5.442 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

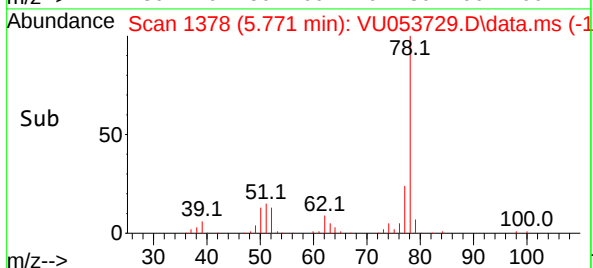
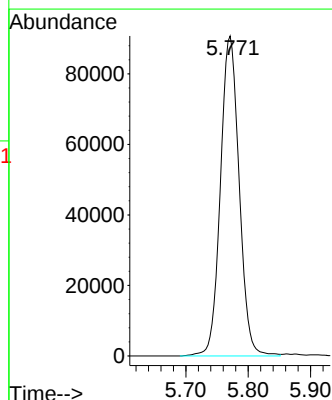
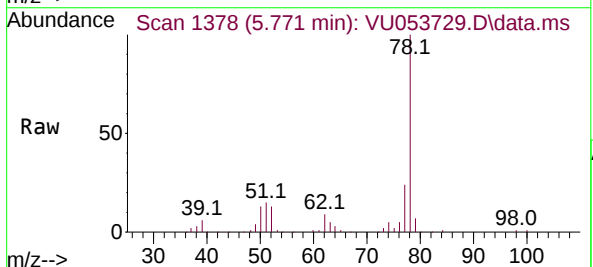
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

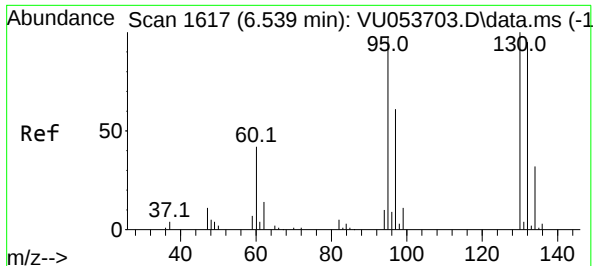
Tgt Ion:117 Resp: 63781
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5



#33
Benzene
Concen: 5.031 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 78 Resp: 189134



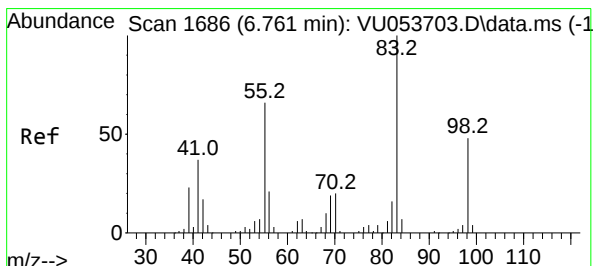
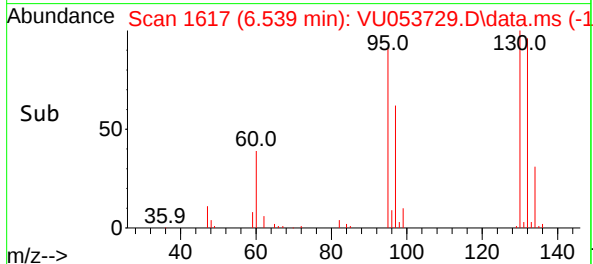
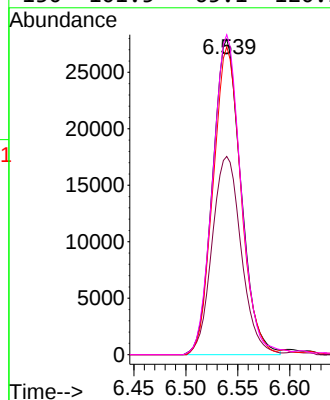
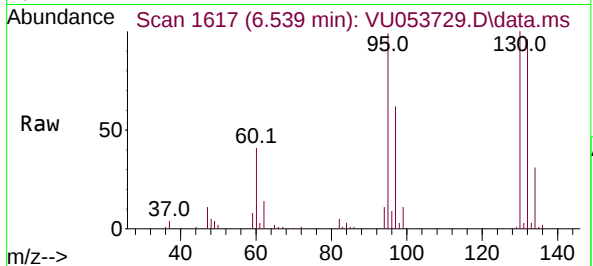


#34
Trichloroethene
Concen: 5.297 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

Tgt Ion: 95 Resp: 53027

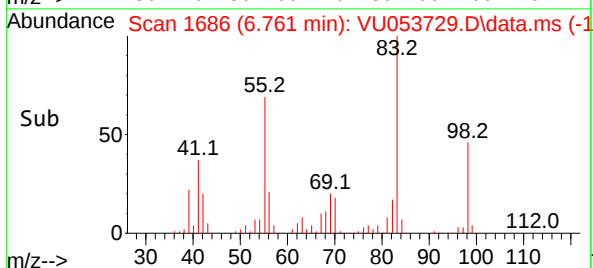
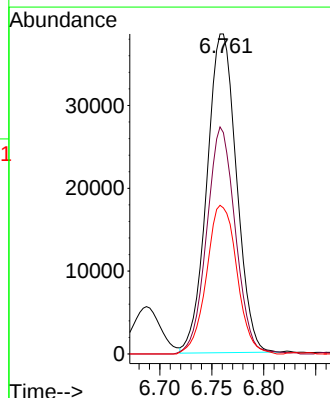
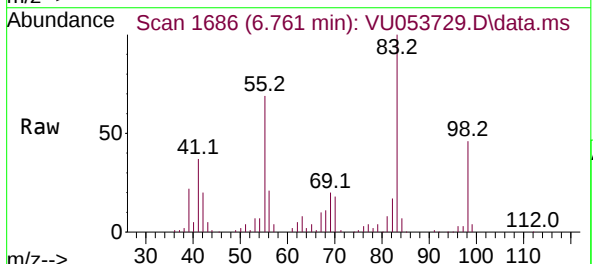
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.3	84.1
132	97.6	62.8	116.6
130	101.5	65.1	120.9

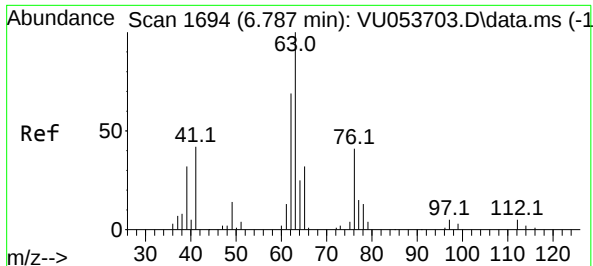


#35
Methylcyclohexane
Concen: 4.441 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 83 Resp: 76284

Ion	Ratio	Lower	Upper
83	100		
55	69.0	54.9	82.3
98	47.9	34.9	52.3





#37

1,2-Dichloropropane

Concen: 4.804 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

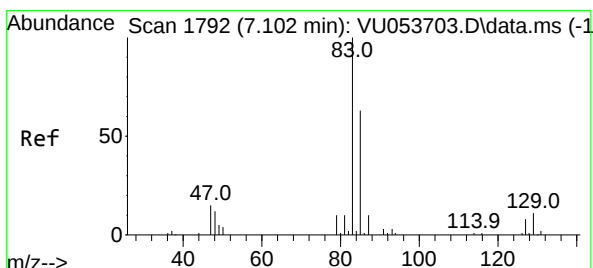
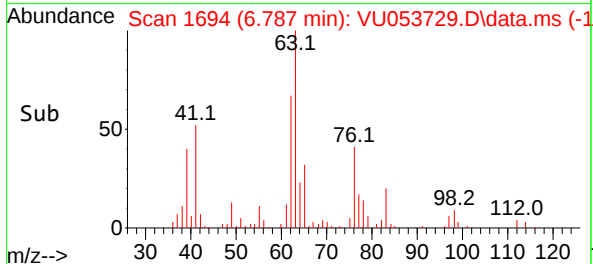
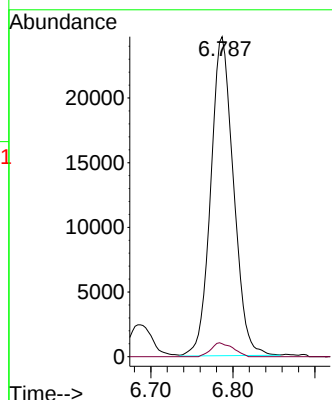
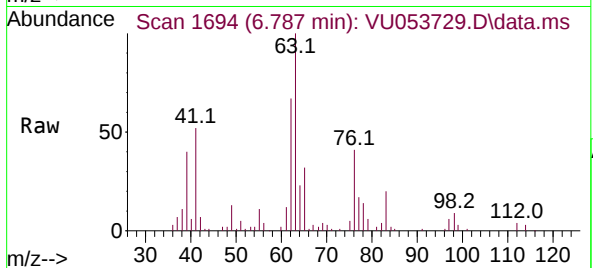
VSTD005151

Tgt Ion: 63 Resp: 47681

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 5.165 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

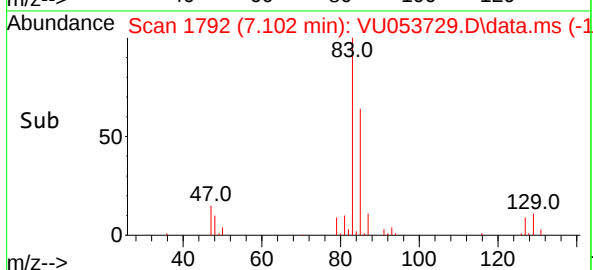
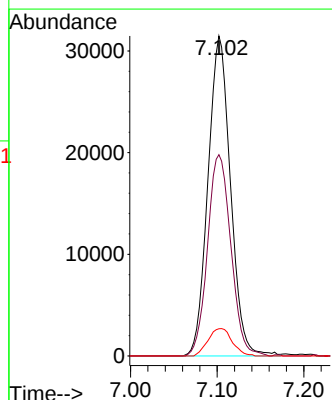
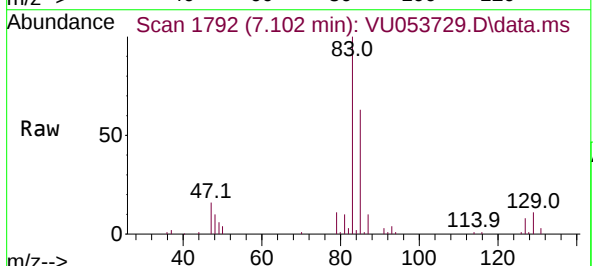
Tgt Ion: 83 Resp: 56934

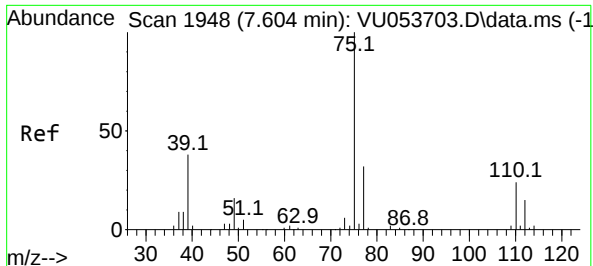
Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

127 8.5 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.718 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

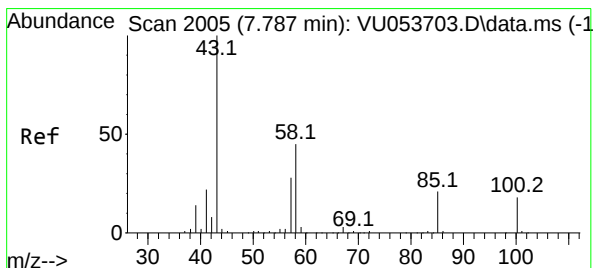
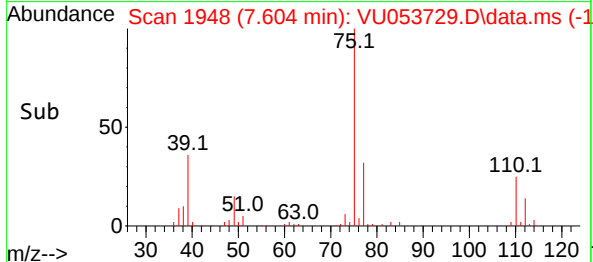
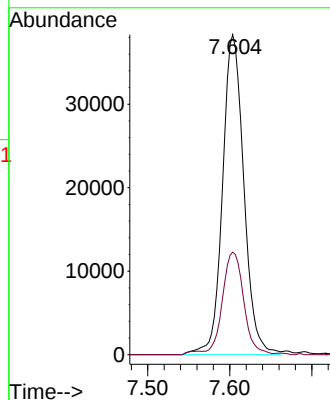
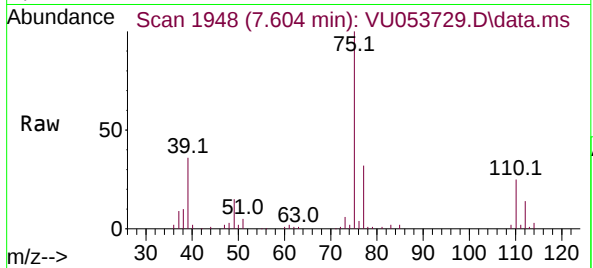
VSTD005151

Tgt Ion: 75 Resp: 69189

Ion Ratio Lower Upper

75 100

77 32.1 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.305 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

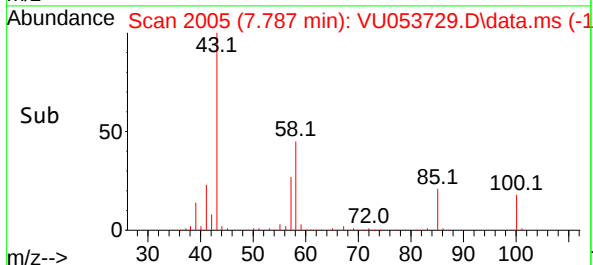
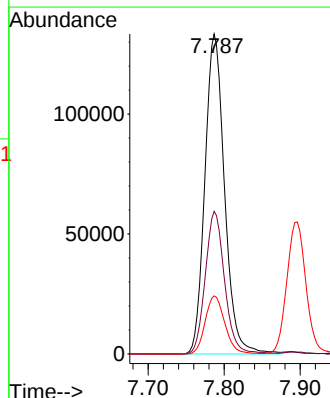
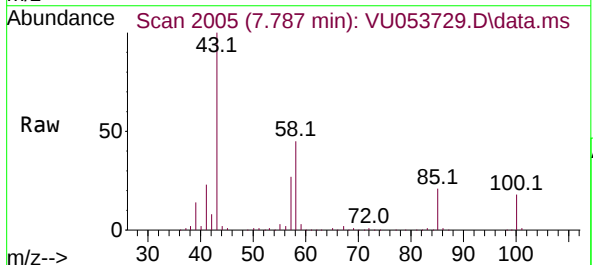
Tgt Ion: 43 Resp: 239491

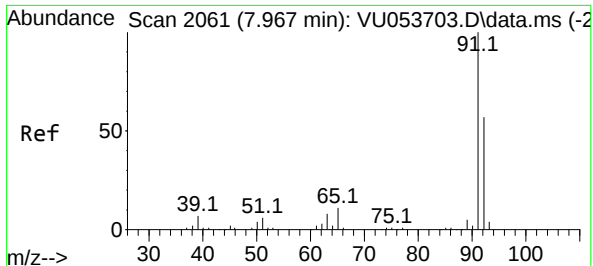
Ion Ratio Lower Upper

43 100

58 43.8 37.4 56.0

100 18.1 14.0 21.0





#42

Toluene

Concen: 4.899 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

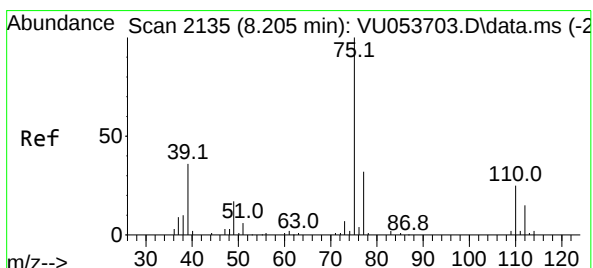
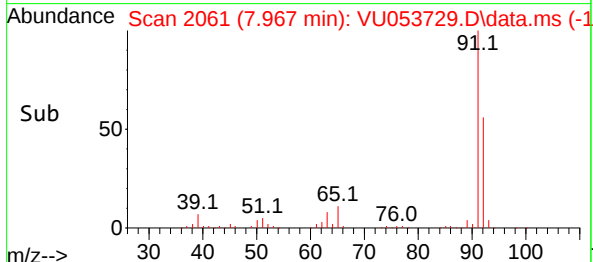
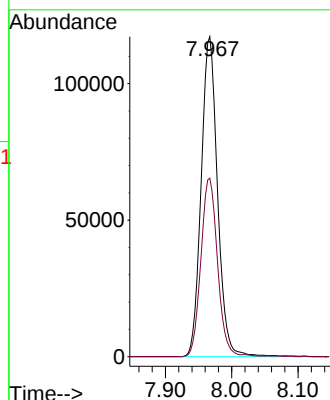
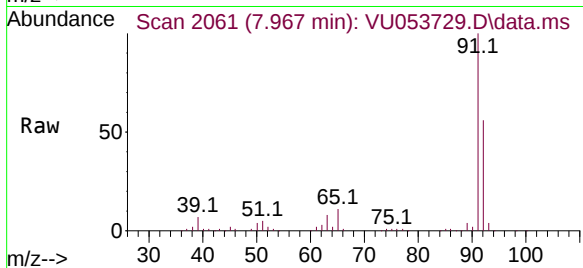
VSTD005151

Tgt Ion: 91 Resp: 201219

Ion Ratio Lower Upper

91 100

92 55.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.784 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053729.D

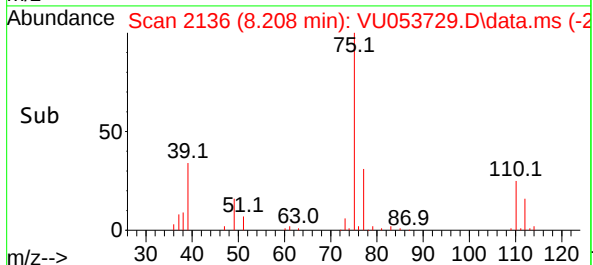
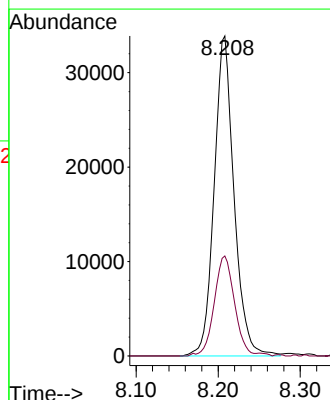
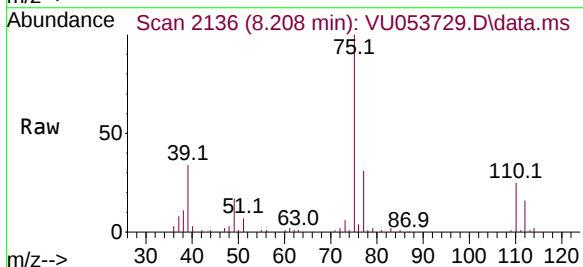
Acq: 14 Apr 2023 20:43

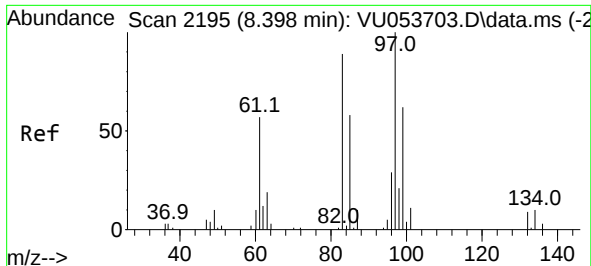
Tgt Ion: 75 Resp: 57074

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.384 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. -0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

Tgt Ion: 97 Resp: 37944

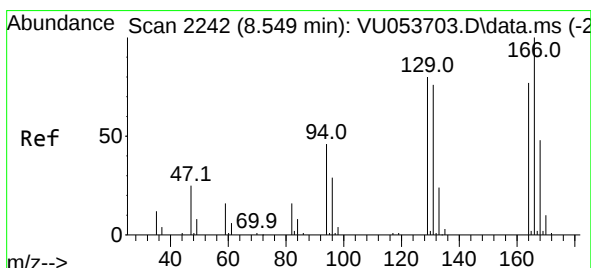
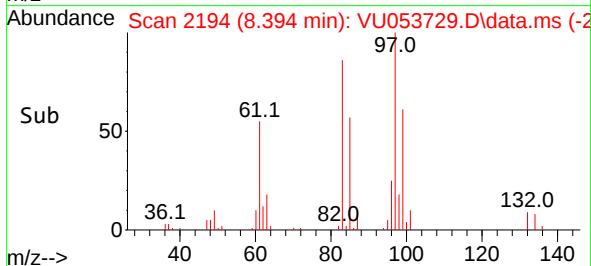
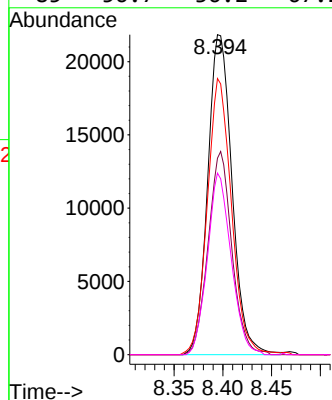
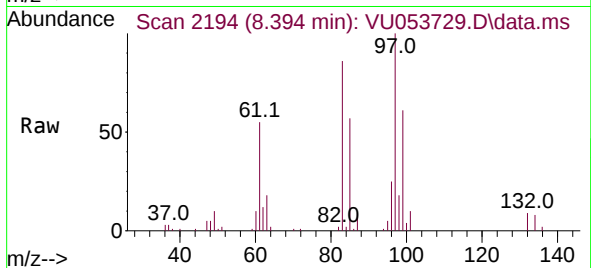
Ion Ratio Lower Upper

97 100

99 61.4 38.9 72.2

83 86.3 57.6 107.0

85 56.7 36.2 67.2



#47

Tetrachloroethene

Concen: 5.366 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Tgt Ion:164 Resp: 39468

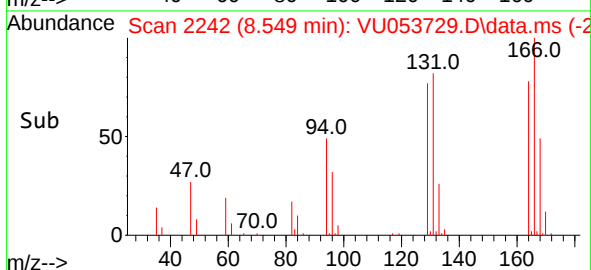
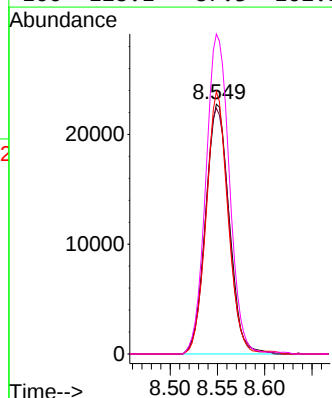
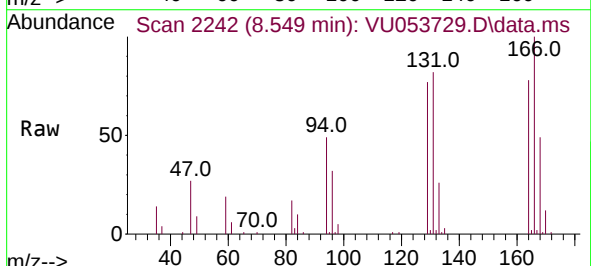
Ion Ratio Lower Upper

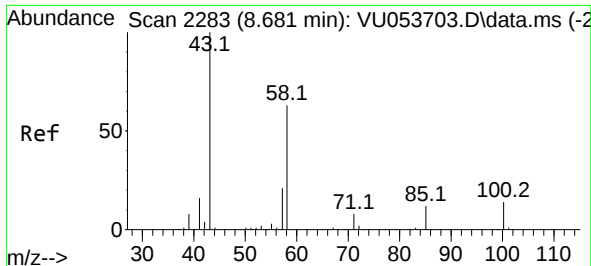
164 100

129 98.4 74.8 138.8

131 105.1 70.1 130.1

166 128.1 87.3 162.1

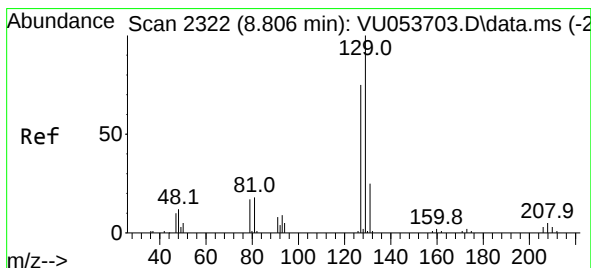
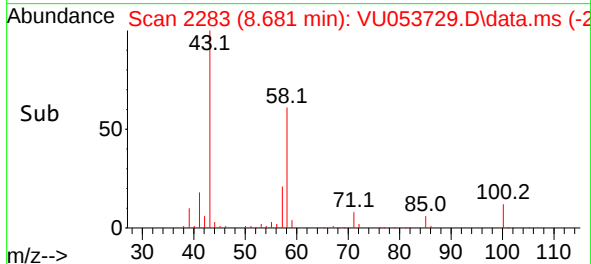
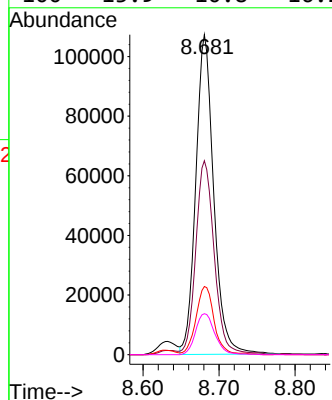
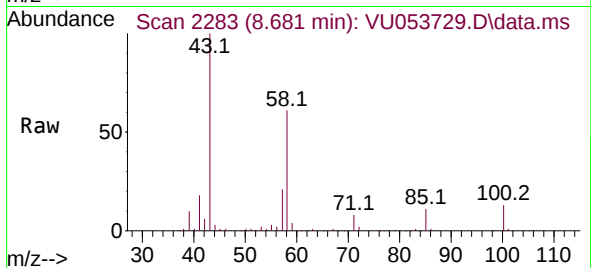




#48
2-Hexanone
Concen: 49.068 ug/L
RT: 8.681 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

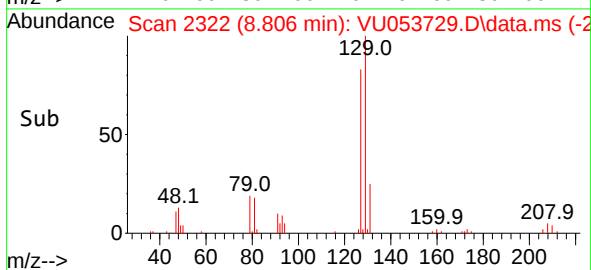
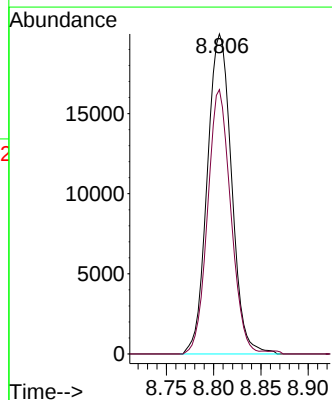
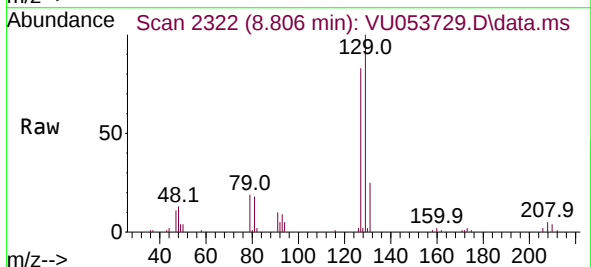
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

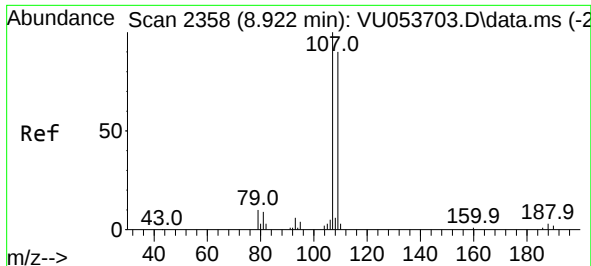
Tgt Ion:	43	Resp:	176231
Ion	Ratio	Lower	Upper
43	100		
58	62.2	52.8	79.2
57	21.8	17.1	25.7
100	13.9	10.8	16.2



#49
Dibromochloromethane
Concen: 5.130 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion:	129	Resp:	35752
Ion	Ratio	Lower	Upper
129	100		
127	82.6	52.2	97.0





#50

1,2-Dibromoethane

Concen: 5.258 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

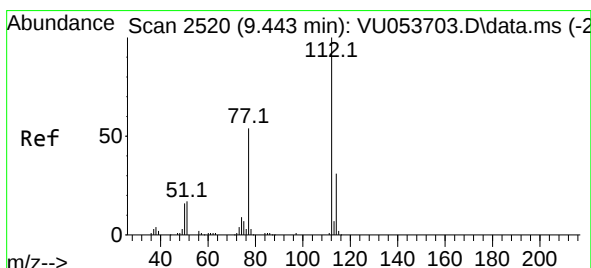
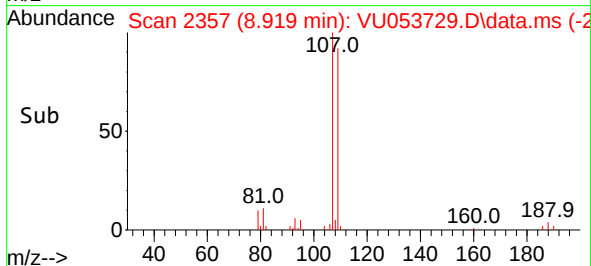
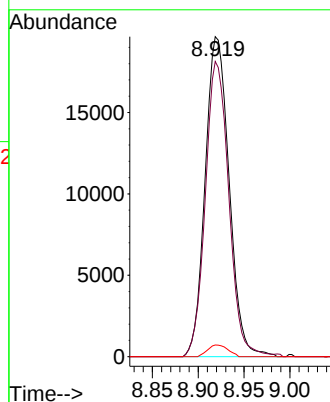
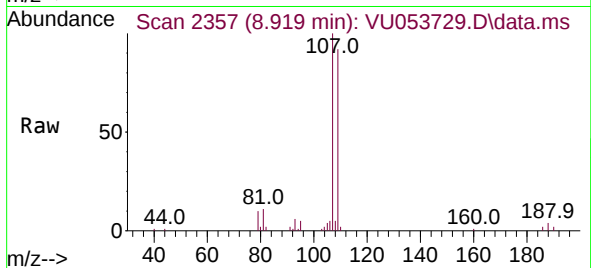
Tgt Ion:107 Resp: 35794

Ion Ratio Lower Upper

107 100

109 92.3 64.7 120.1

188 3.7 3.0 4.6



#51

Chlorobenzene

Concen: 5.007 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

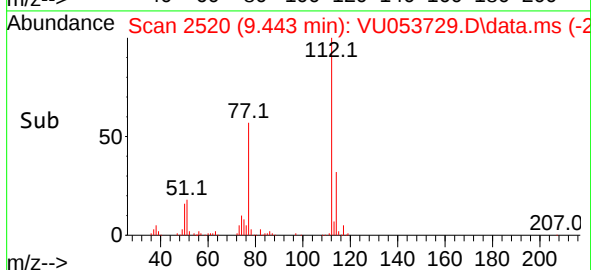
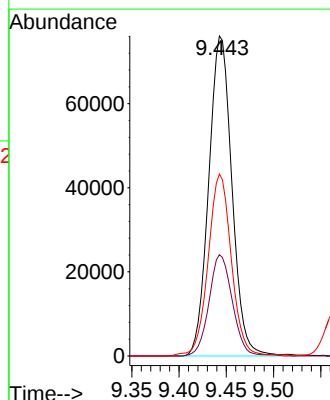
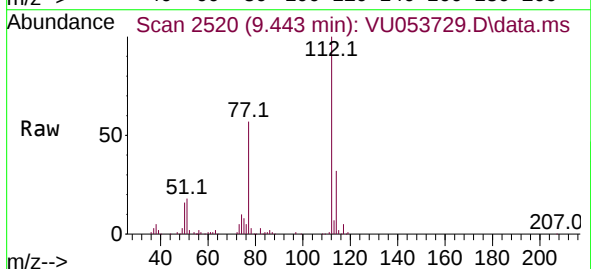
Tgt Ion:112 Resp: 129719

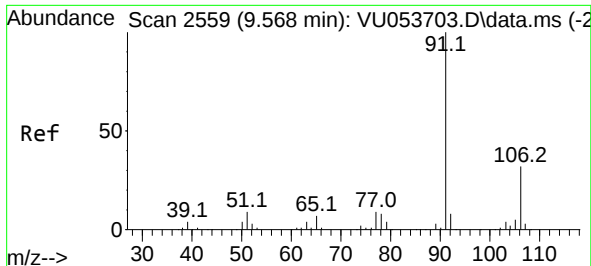
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 56.9 45.8 68.6

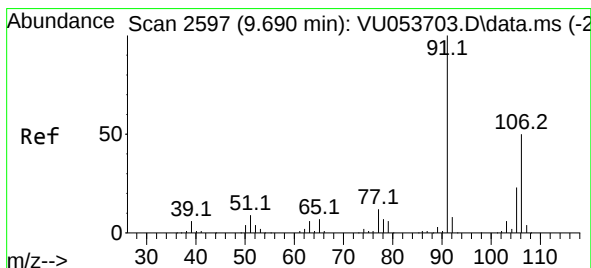
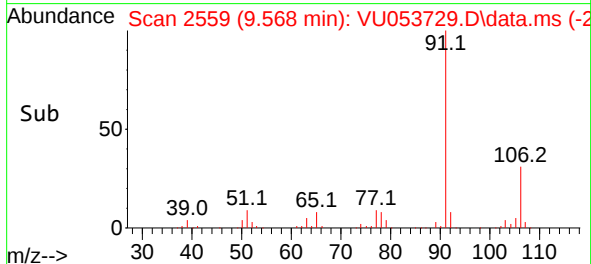
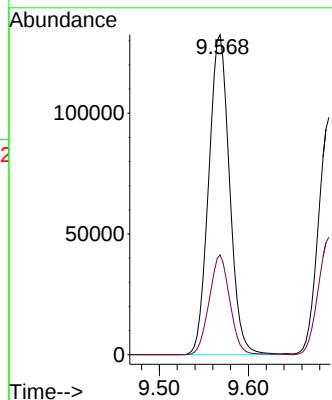
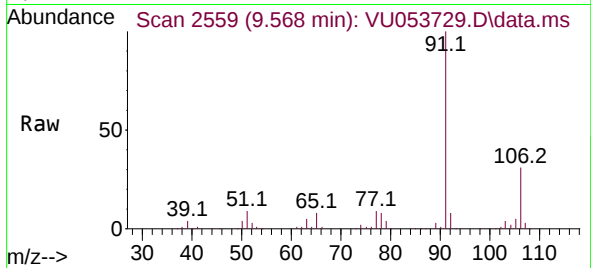




#52
Ethylbenzene
Concen: 4.802 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

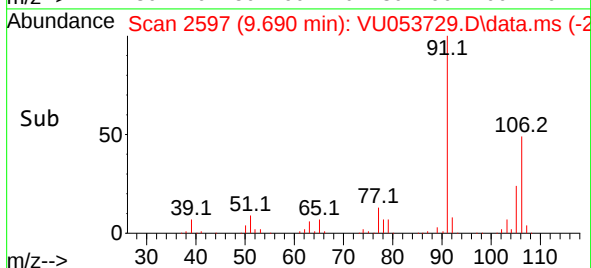
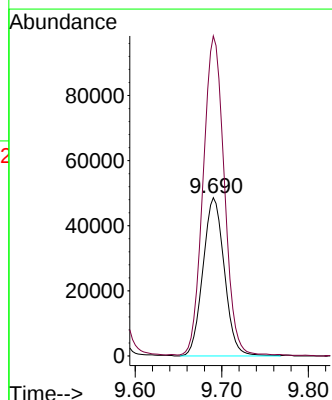
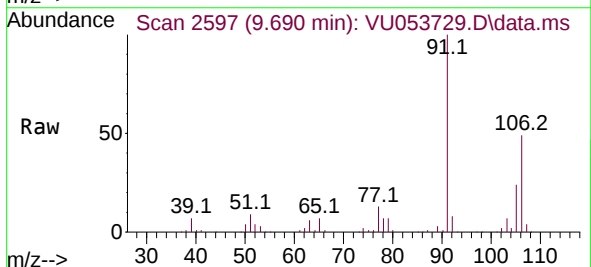
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

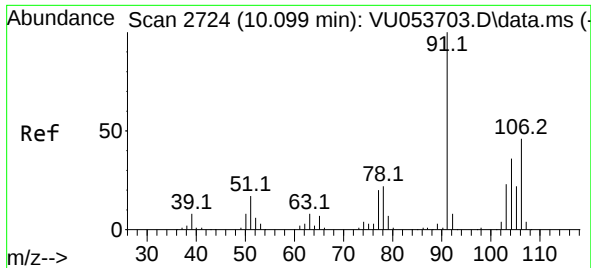
Tgt Ion: 91 Resp: 215007
Ion Ratio Lower Upper
91 100
106 31.2 22.5 41.9



#53
m,p-Xylene
Concen: 4.890 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 106 Resp: 83457
Ion Ratio Lower Upper
106 100
91 202.1 138.8 257.8

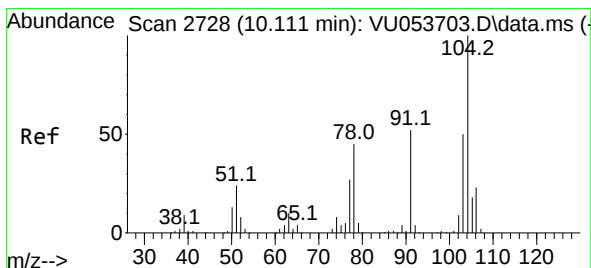
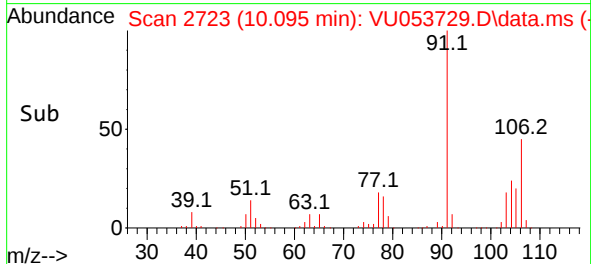
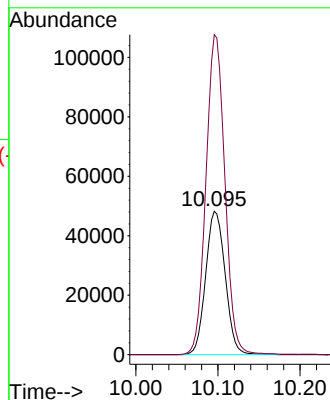
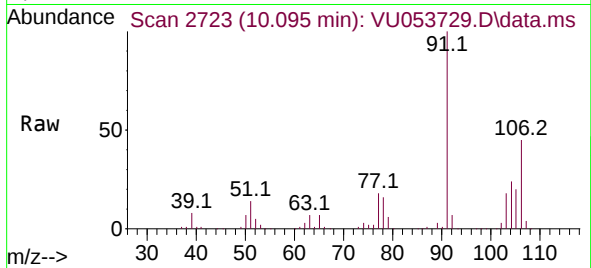




#54
o-Xylene
Concen: 4.939 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

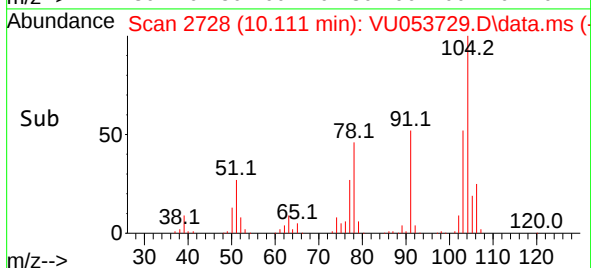
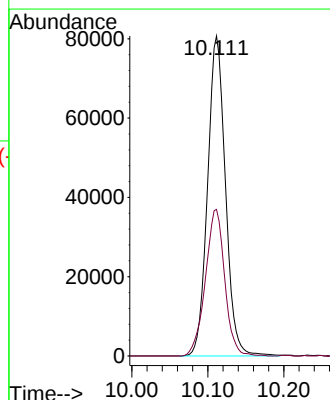
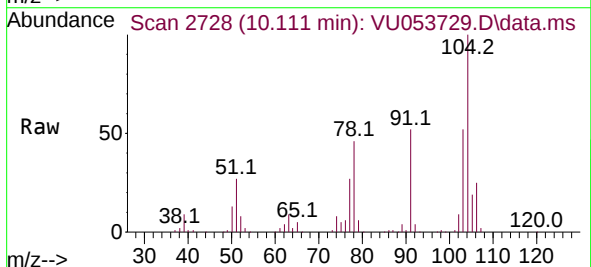
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

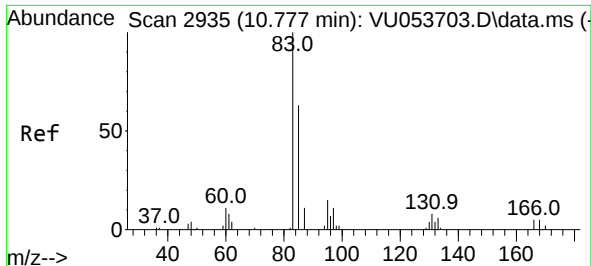
Tgt Ion:106 Resp: 79987
Ion Ratio Lower Upper
106 100
91 223.0 150.8 280.0



#55
Styrene
Concen: 4.956 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion:104 Resp: 131799
Ion Ratio Lower Upper
104 100
78 45.8 33.0 61.4

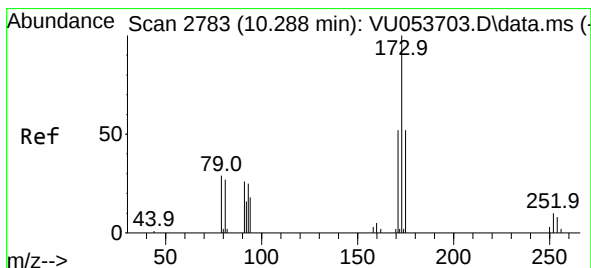
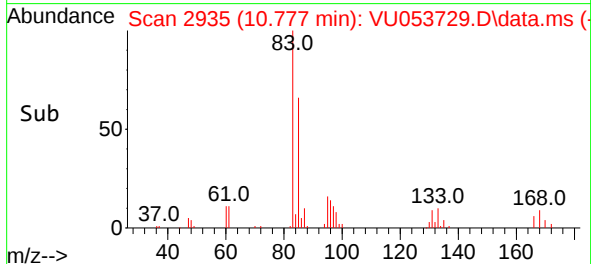
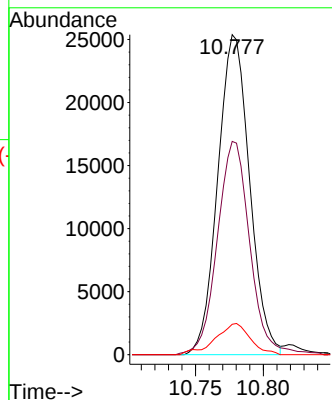
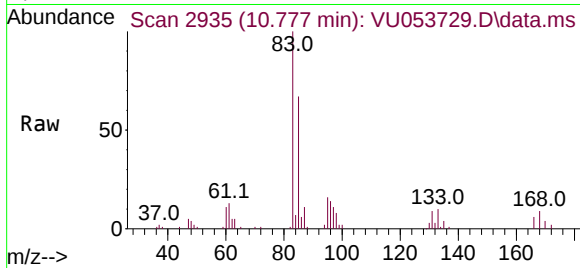




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.655 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053729.D
 Acq: 14 Apr 2023 20:43

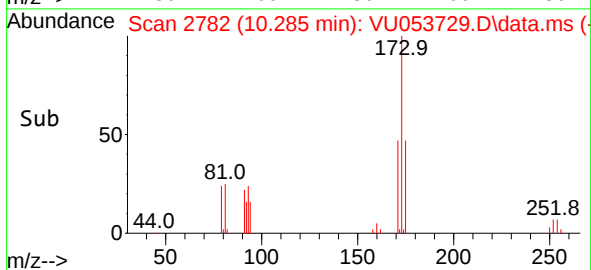
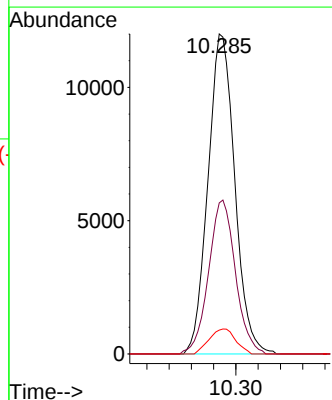
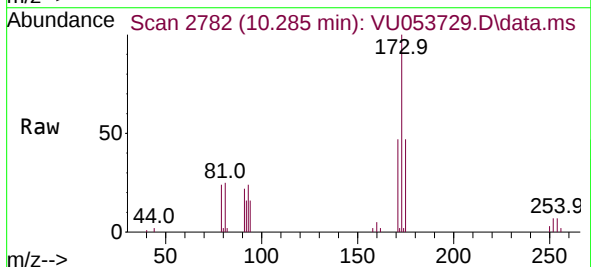
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

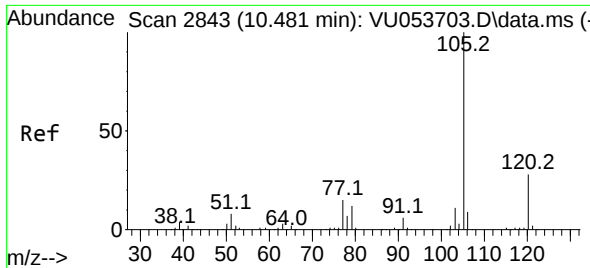
Tgt Ion: 83 Resp: 41432
 Ion Ratio Lower Upper
 83 100
 85 66.7 43.8 81.4
 131 9.5 7.2 10.8



#59
 Bromoform
 Concen: 5.059 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.003 min
 Lab File: VU053729.D
 Acq: 14 Apr 2023 20:43

Tgt Ion: 173 Resp: 20039
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.9 59.9
 254 7.7 6.6 9.8

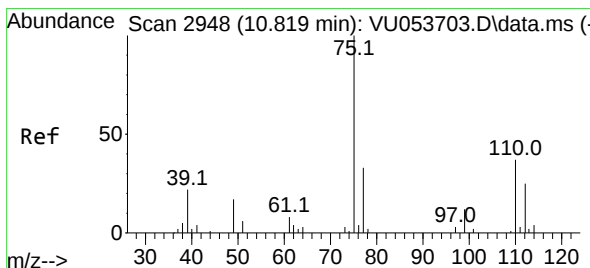
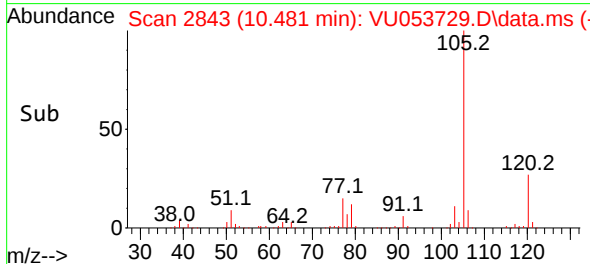
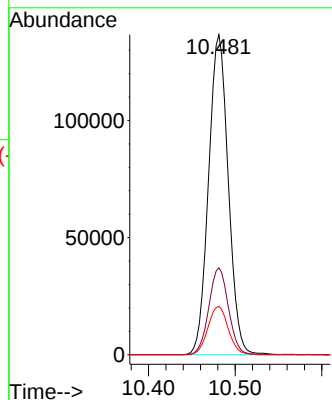
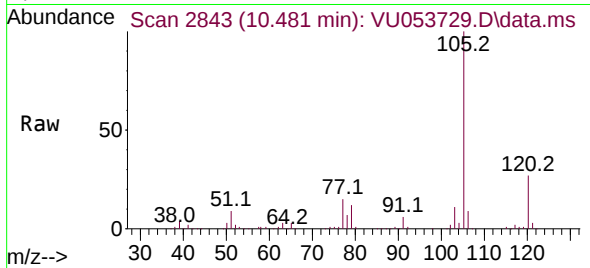




#60
Isopropylbenzene
Concen: 4.613 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

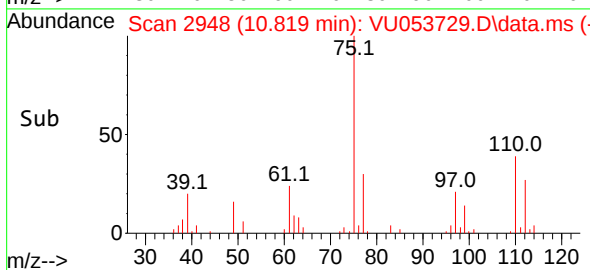
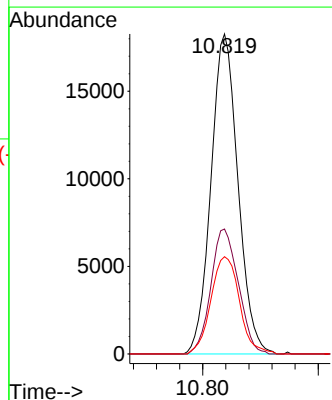
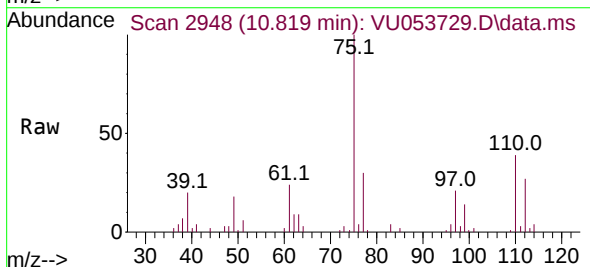
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

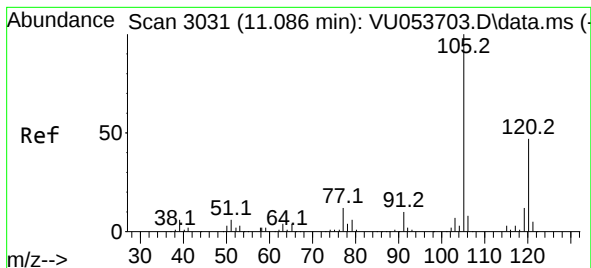
Tgt Ion:105 Resp: 215575
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 15.5 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 4.644 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion: 75 Resp: 29602
Ion Ratio Lower Upper
75 100
110 39.7 30.6 46.0
77 32.2 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 4.562 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

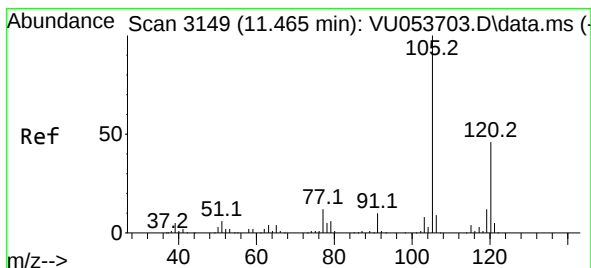
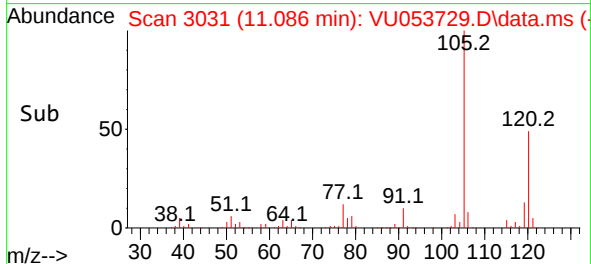
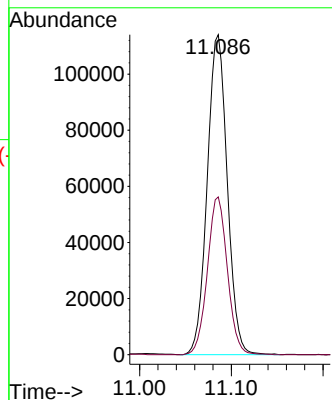
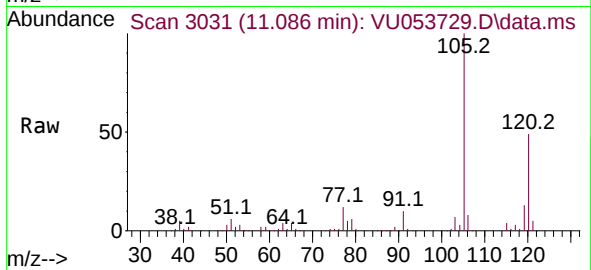
VSTD005151

Tgt Ion:105 Resp: 172997

Ion Ratio Lower Upper

105 100

120 49.1 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 4.567 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU053729.D

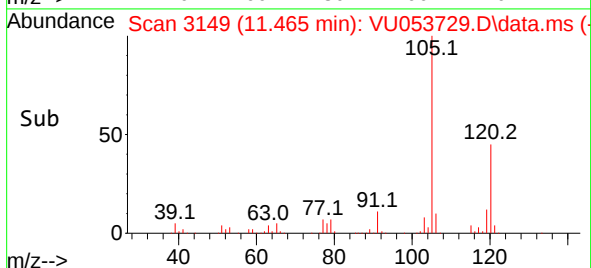
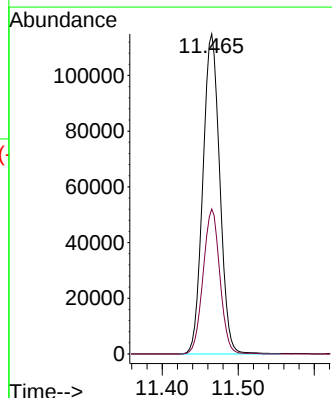
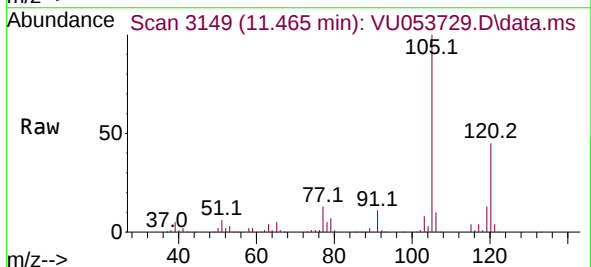
Acq: 14 Apr 2023 20:43

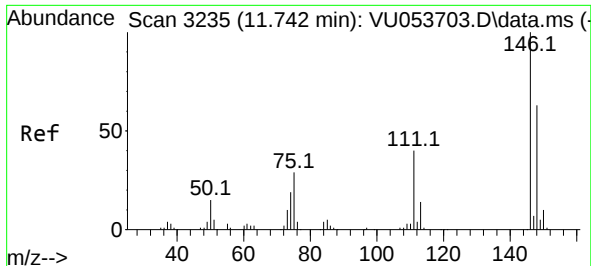
Tgt Ion:105 Resp: 177339

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.0

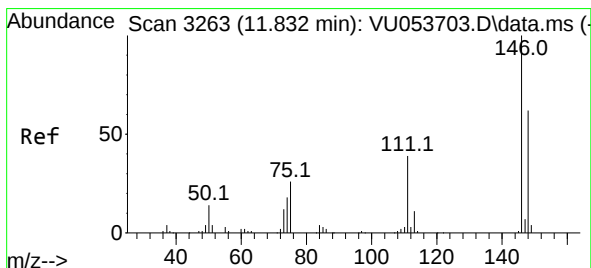
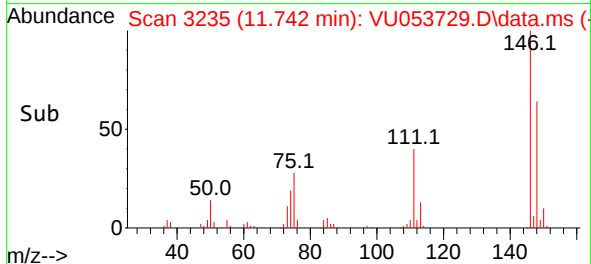
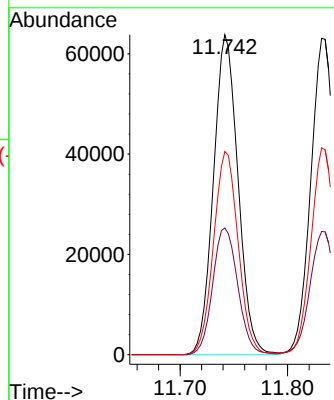
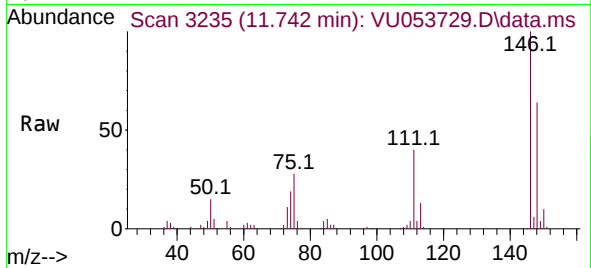




#64
1,3-Dichlorobenzene
Concen: 4.934 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

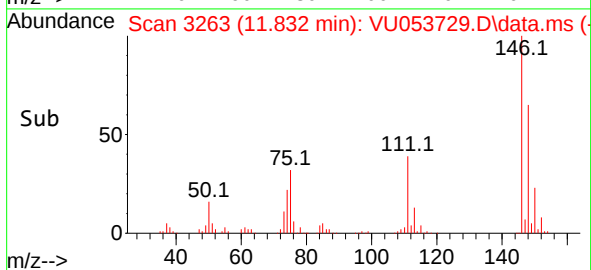
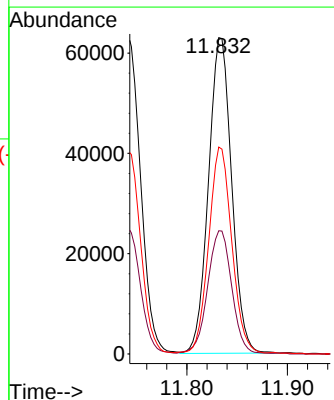
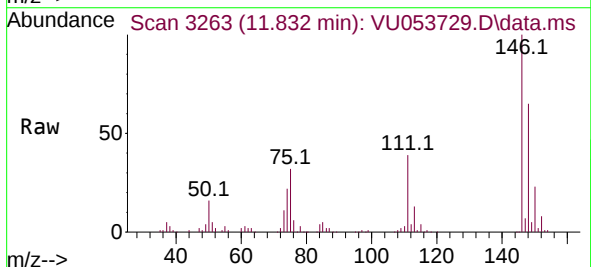
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

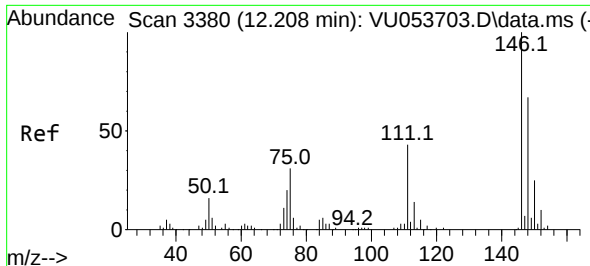
Tgt Ion:146 Resp: 101367
Ion Ratio Lower Upper
146 100
111 39.6 29.4 54.6
148 63.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053729.D
Acq: 14 Apr 2023 20:43

Tgt Ion:146 Resp: 100866
Ion Ratio Lower Upper
146 100
111 38.9 29.8 55.4
148 65.4 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 4.921 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

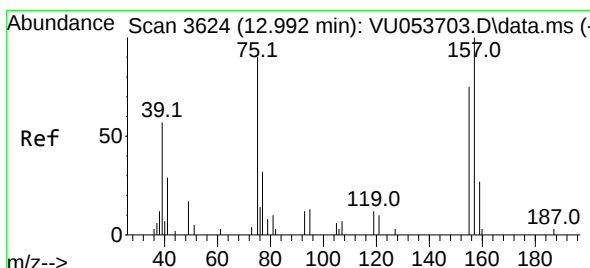
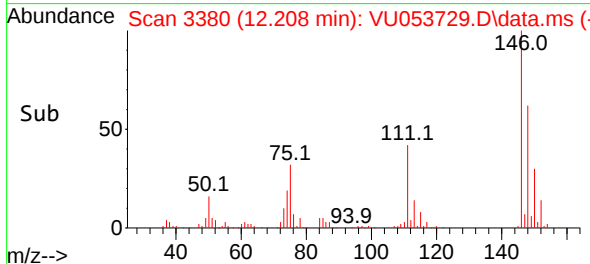
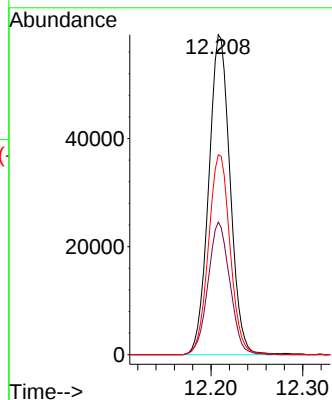
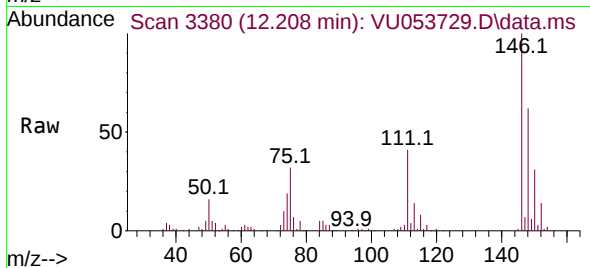
Tgt Ion:146 Resp: 95853

Ion Ratio Lower Upper

146 100

111 41.5 35.0 52.6

148 62.4 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.018 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

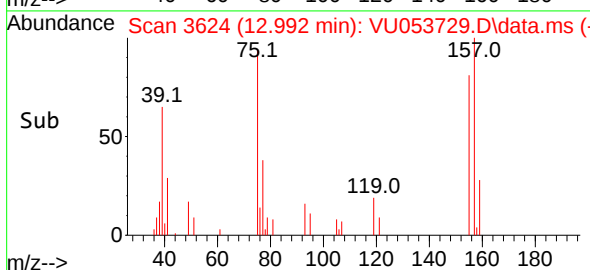
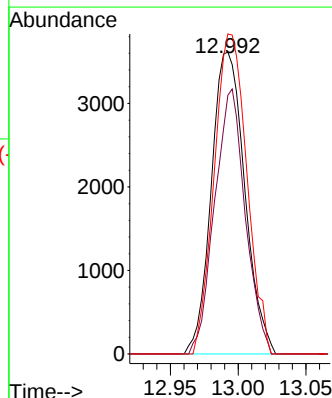
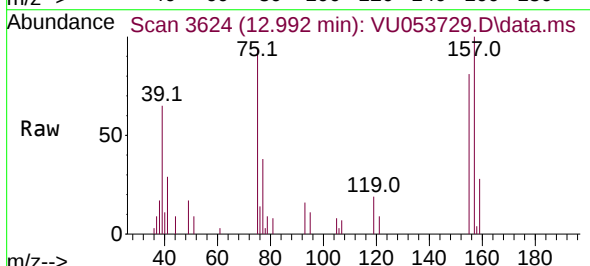
Tgt Ion: 75 Resp: 6202

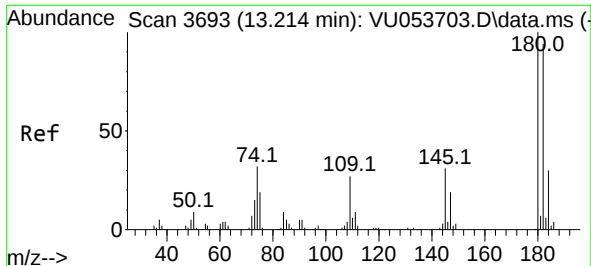
Ion Ratio Lower Upper

75 100

155 85.7 63.9 95.9

157 106.1 74.1 111.1





#69

1,3,5-Trichlorobenzene

Concen: 5.093 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU053729.D

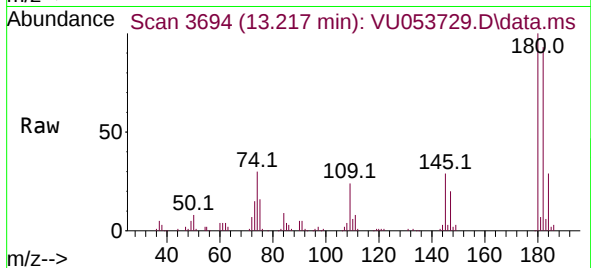
Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151



Tgt Ion:180 Resp: 73041

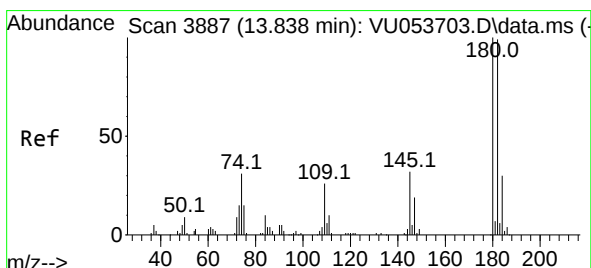
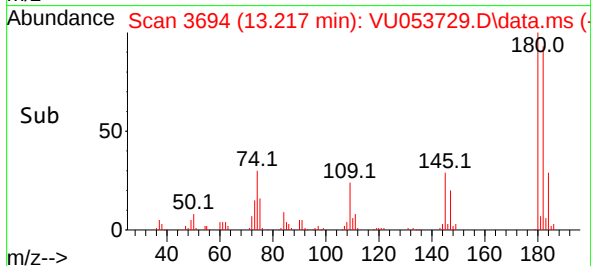
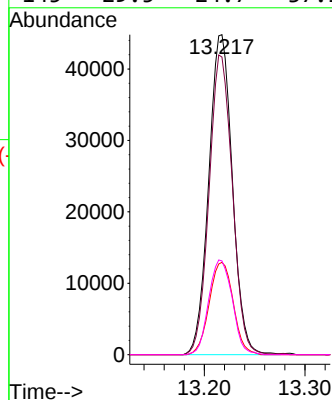
Ion Ratio Lower Upper

180 100

182 92.3 76.7 115.1

184 29.3 24.1 36.1

145 29.5 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 5.307 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

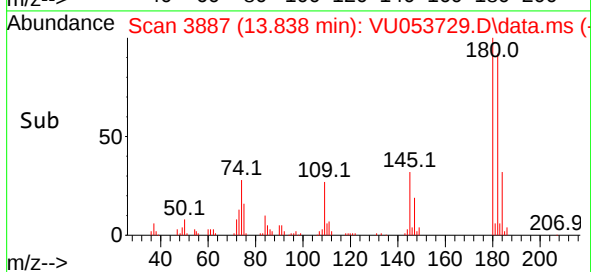
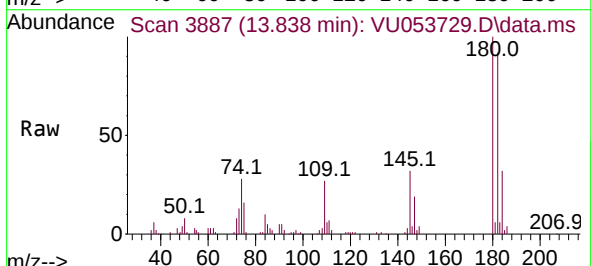
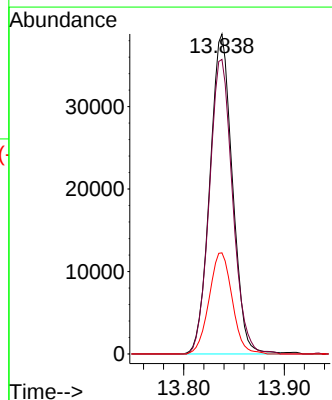
Tgt Ion:180 Resp: 60513

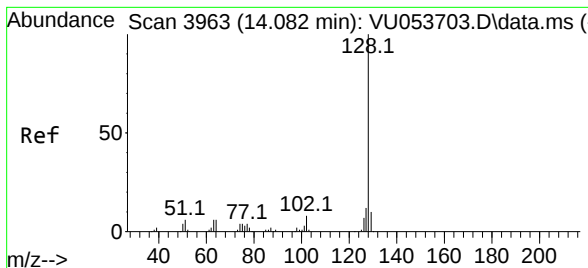
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 32.3 25.8 38.8





#71

Naphthalene

Concen: 5.133 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

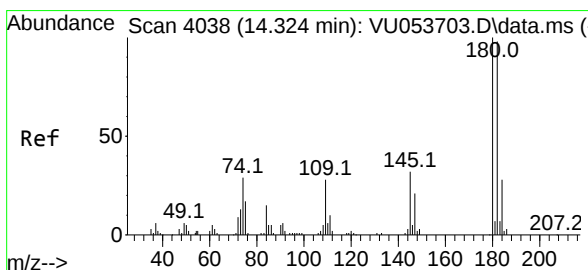
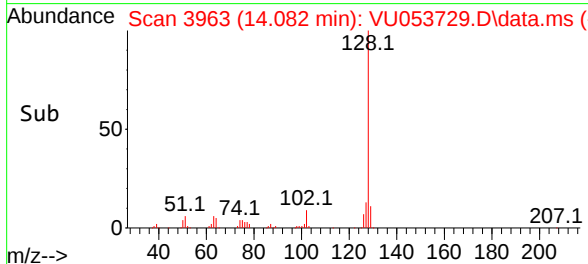
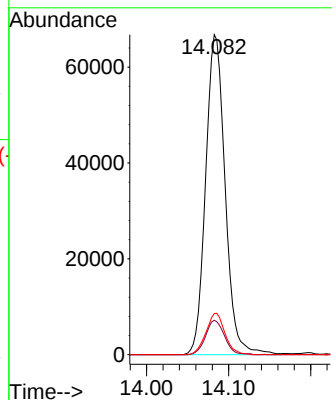
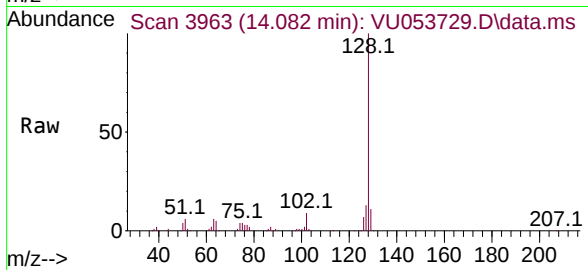
Tgt Ion:128 Resp: 110277

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.4

127 12.6 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.685 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053729.D

Acq: 14 Apr 2023 20:43

Tgt Ion:180 Resp: 56583

Ion Ratio Lower Upper

180 100

182 94.2 74.8 112.2

145 32.9 26.3 39.5

