

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032123\
 Data File : VU053338.D
 Acq On : 21 Mar 2023 20:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Mar 22 03:14:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 22 03:08:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	117537	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	110459	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	56937	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46141	42.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.100%
7) Chloroethane-d5	1.909	69	41808	47.666	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.340%
11) 1,1-Dichloroethene-d2	2.565	63	76919	40.949	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.900%
21) 2-Butanone-d5	4.617	46	52401	104.193	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.190%
24) Chloroform-d	5.057	84	77567	43.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.860%
26) 1,2-Dichloroethane-d4	5.697	65	51418	46.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
32) Benzene-d6	5.723	84	159994	44.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.320%
36) 1,2-Dichloropropane-d6	6.684	67	52952	45.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.580%
41) Toluene-d8	7.893	98	148078	44.392	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.780%
43) trans-1,3-Dichloroprop...	8.173	79	25518	44.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.460%
47) 2-Hexanone-d5	8.626	63	36127	99.934	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.930%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	74892	49.997	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	52397	47.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	46586	37.972	ug/L	100
3) Chloromethane	1.517	50	45658	40.388	ug/L	99
5) Vinyl chloride	1.604	62	51262	41.452	ug/L	98
6) Bromomethane	1.855	94	37131	49.951	ug/L	96
8) Chloroethane	1.932	64	34296	46.950	ug/L	100
9) Trichlorofluoromethane	2.138	101	62980	40.818	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	36053	38.627	ug/L	97
12) 1,1-Dichloroethene	2.578	96	32836	38.040	ug/L	97
13) Acetone	2.630	43	39613	69.158	ug/L	95
14) Carbon disulfide	2.790	76	92656	35.440	ug/L	99
15) Methyl Acetate	2.945	43	39015	49.694	ug/L	98
16) Methylene chloride	3.041	84	42310	40.404	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	35268	40.269	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	126729	43.031	ug/L	98
19) 1,1-Dichloroethane	3.864	63	74127	41.463	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	42068	40.895	ug/L	93
22) 2-Butanone	4.697	43	57681	88.392	ug/L	99
23) Bromochloromethane	4.967	128	20247	41.279	ug/L	89
25) Chloroform	5.080	83	77860	43.521	ug/L	95

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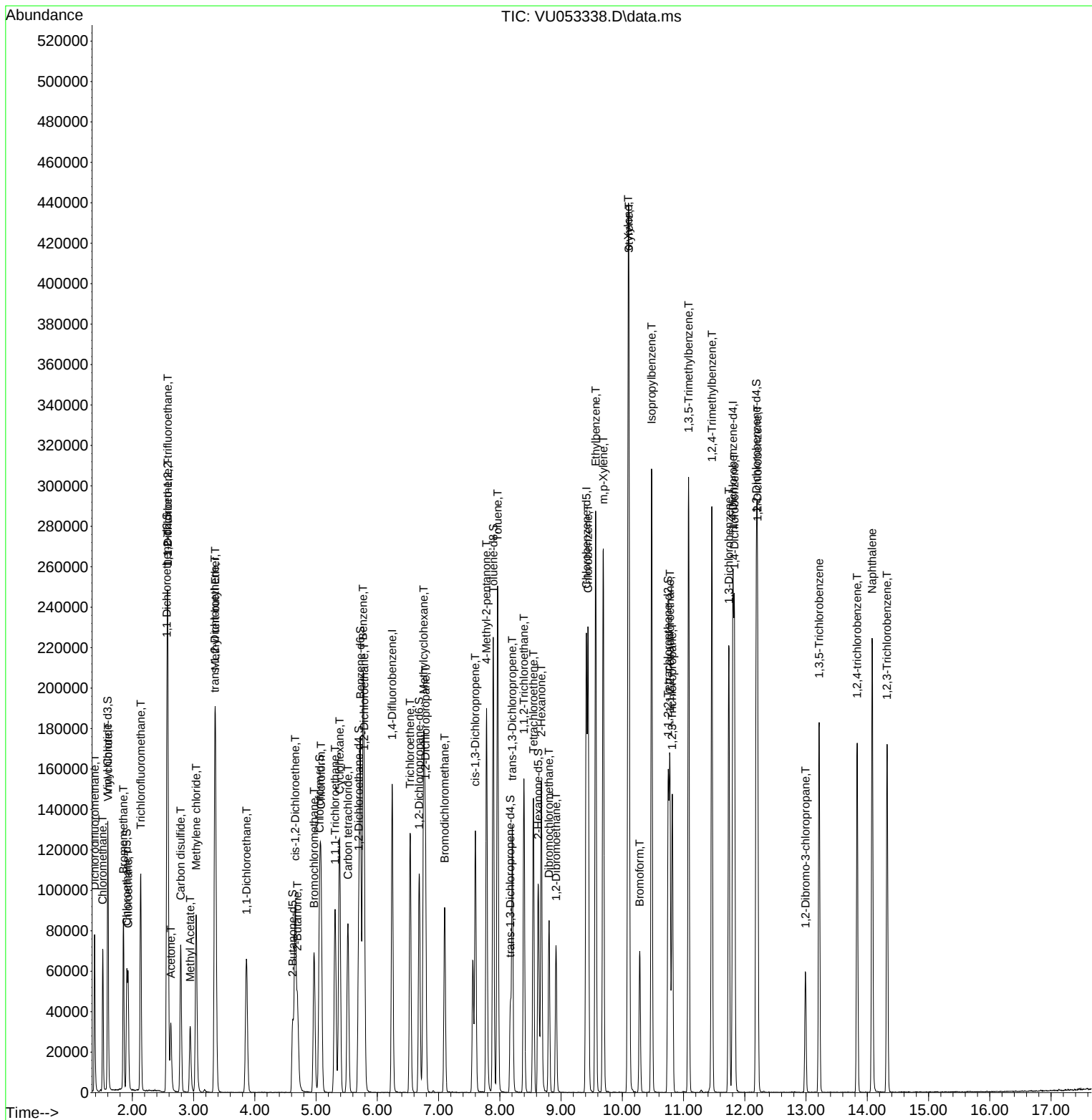
Instrument :
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 VSTD050170

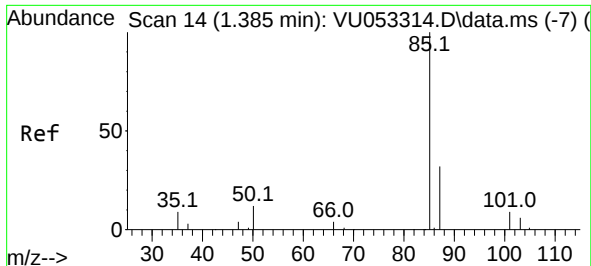
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 22 03:08:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	64962	46.000	ug/L	97
29) Cyclohexane	5.385	56	64806	39.374	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	62371	41.425	ug/L	96
31) Carbon tetrachloride	5.520	117	50327	40.800	ug/L	99
33) Benzene	5.768	78	170469	44.515	ug/L	100
34) Trichloroethene	6.536	95	42723	42.786	ug/L	97
35) Methylcyclohexane	6.758	83	68811	39.314	ug/L	98
37) 1,2-Dichloropropane	6.787	63	49234	46.081	ug/L	99
38) Bromodichloromethane	7.099	83	58282	43.833	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	73721	41.998	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	116633	106.207	ug/L	99
42) Toluene	7.964	91	181041	43.974	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	71377	44.483	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	45266	46.529	ug/L	98
46) Tetrachloroethene	8.549	164	26420	40.669	ug/L	91
48) 2-Hexanone	8.678	43	92206	100.268	ug/L	98
49) Dibromochloromethane	8.803	129	41114	41.313	ug/L	97
50) 1,2-Dibromoethane	8.919	107	46355	44.717	ug/L	95
51) Chlorobenzene	9.443	112	114101	44.467	ug/L	99
52) Ethylbenzene	9.565	91	201539	43.167	ug/L	99
53) m,p-Xylene	9.690	106	75879	43.544	ug/L	100
54) o-Xylene	10.095	106	74938	43.481	ug/L	100
55) Styrene	10.108	104	125775	43.787	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	78893	49.462	ug/L	98
59) Bromoform	10.285	173	26805	41.369	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	61176	54.071	ug/L	96
61) Isopropylbenzene	10.478	105	199040	44.244	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	159868	42.932	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	154942	42.687	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	81694	43.300	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	80874	42.699	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	81866	43.413	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15892	50.796	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	50068	41.856	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	43313	40.299	ug/L	98
71) Naphthalene	14.079	128	171395	47.312	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	44856	44.008	ug/L	99

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

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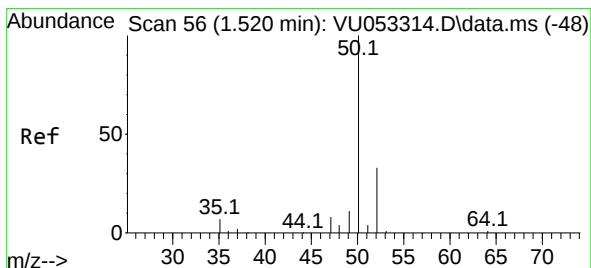
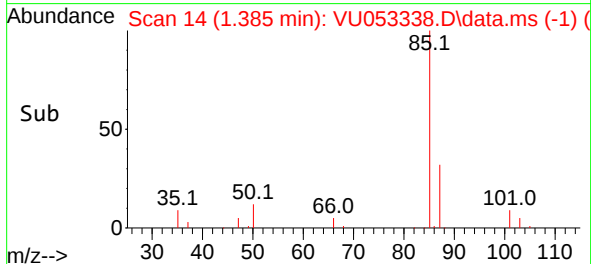
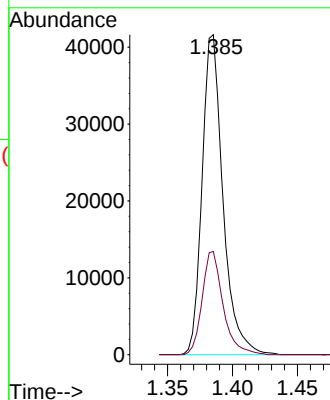
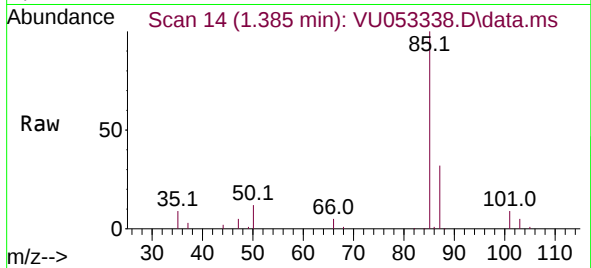




#2
Dichlorodifluoromethane
Concen: 37.972 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

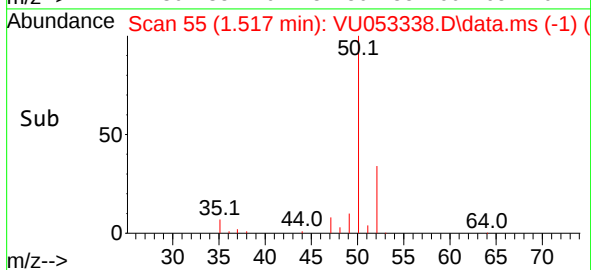
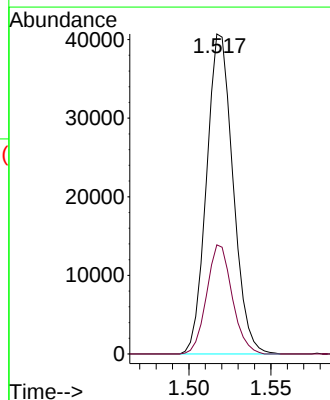
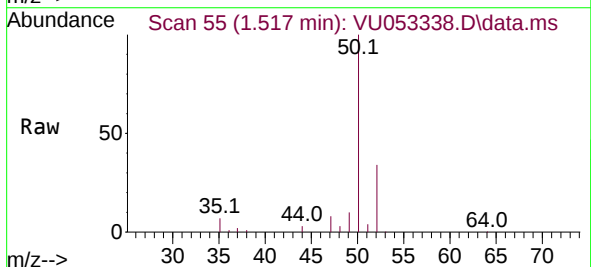
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

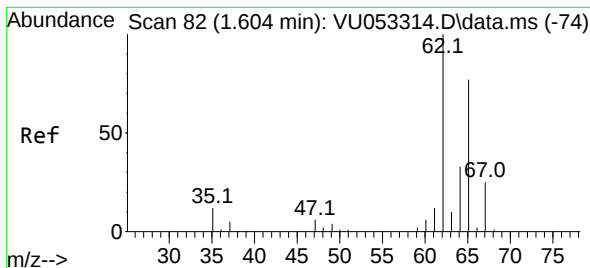
Tgt Ion: 85 Resp: 46586
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 40.388 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 50 Resp: 45658
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.4





#5

Vinyl chloride

Concen: 41.452 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

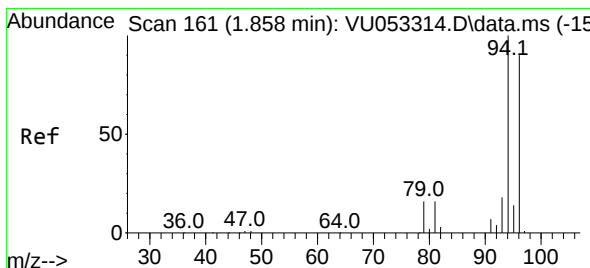
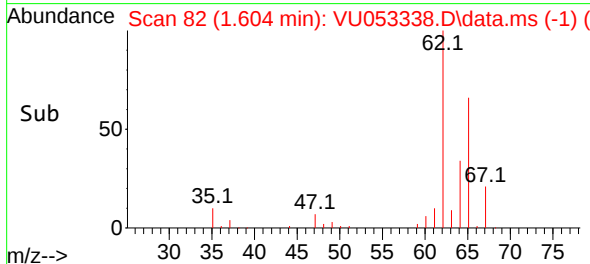
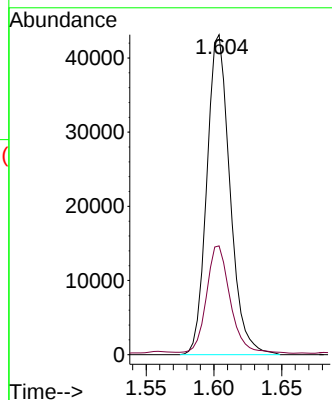
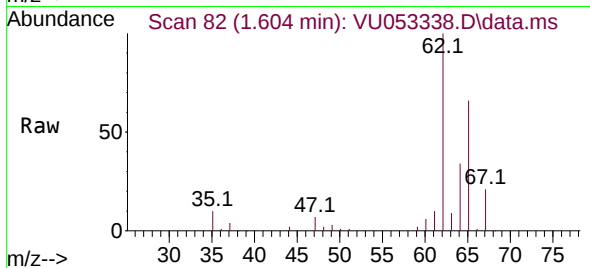
VSTD050170

Tgt Ion: 62 Resp: 51262

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 49.951 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU053338.D

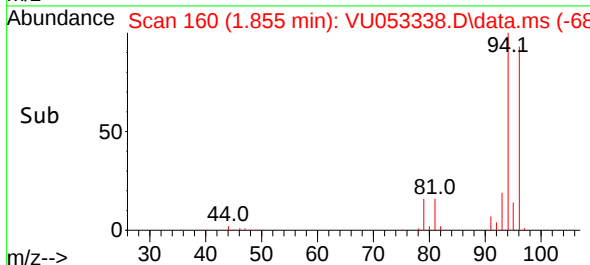
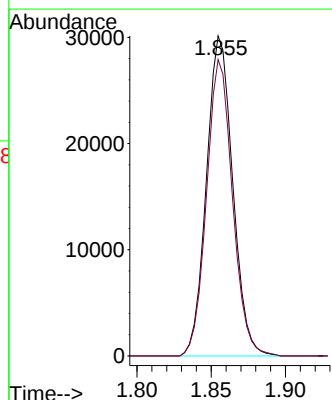
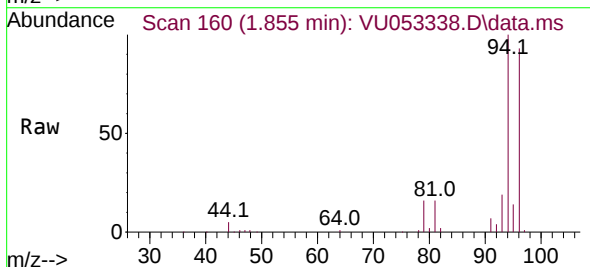
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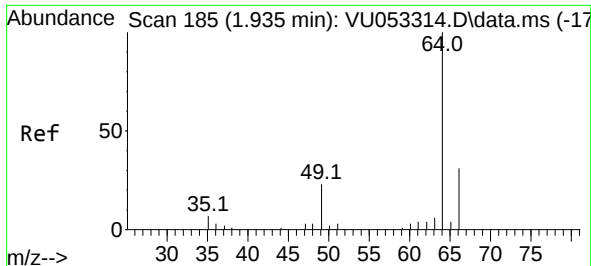
Tgt Ion: 94 Resp: 37131

Ion Ratio Lower Upper

94 100

96 92.6 67.5 125.3

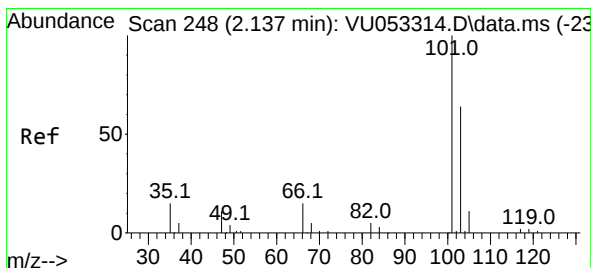
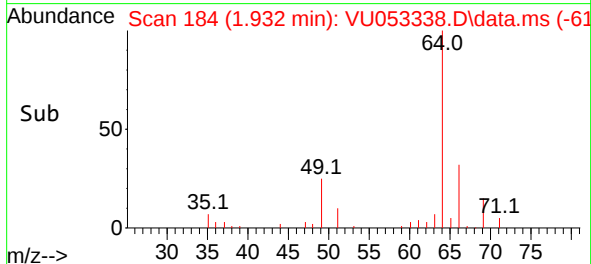
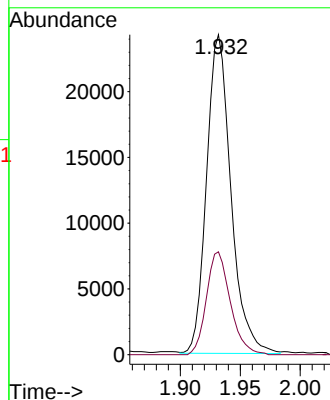
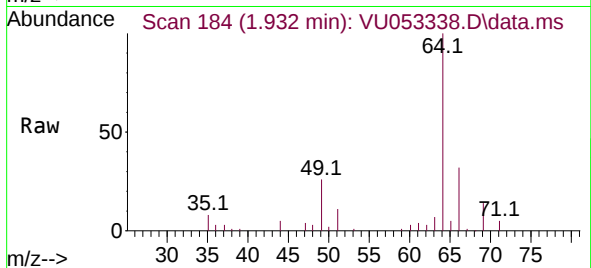




#8
Chloroethane
Concen: 46.950 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

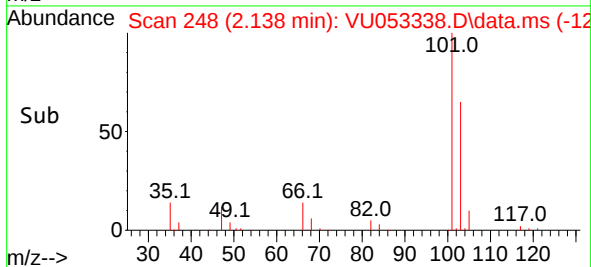
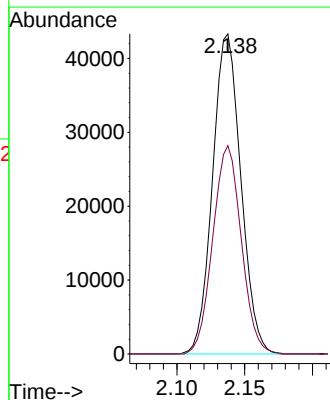
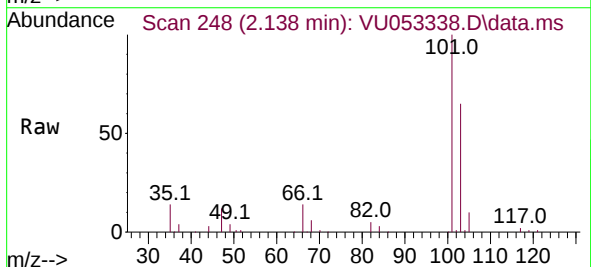
Instrument :
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ClientSampleId :
VSTD050170

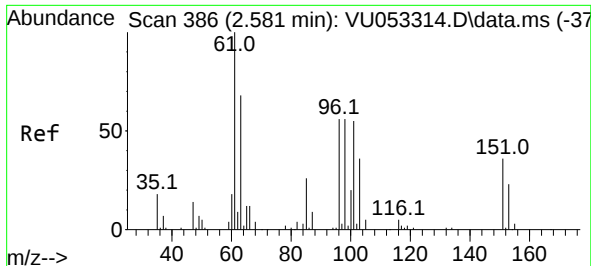
Tgt Ion: 64 Resp: 34296
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 40.818 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:101 Resp: 62980
Ion Ratio Lower Upper
101 100
103 65.5 52.0 78.0

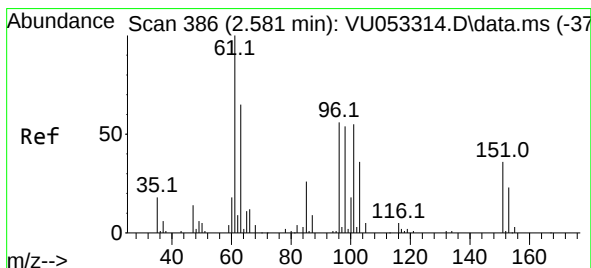
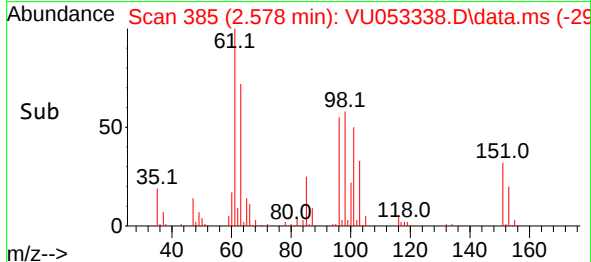
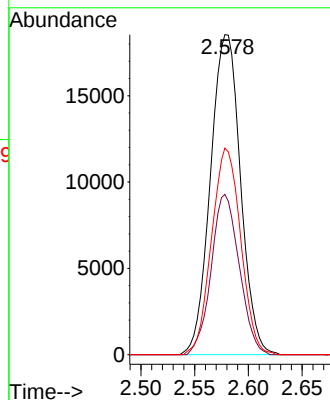
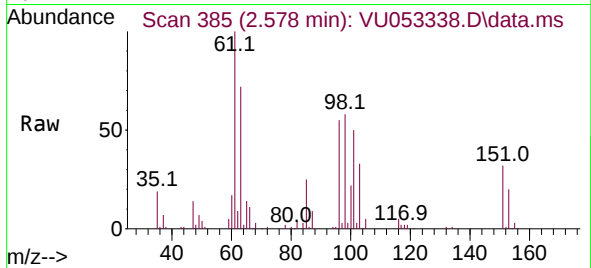




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 38.627 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053338.D
 Acq: 21 Mar 2023 20:41

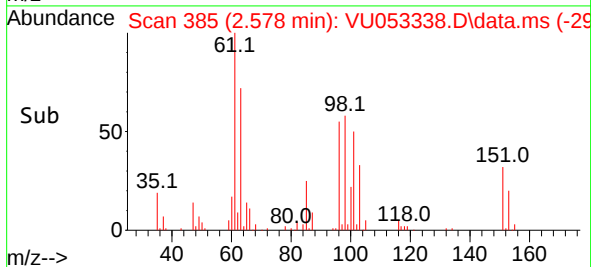
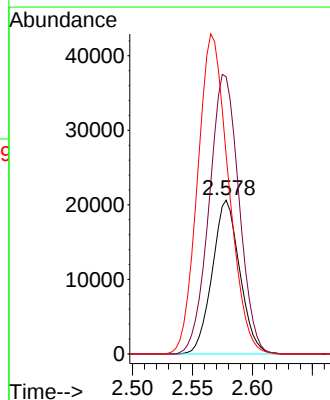
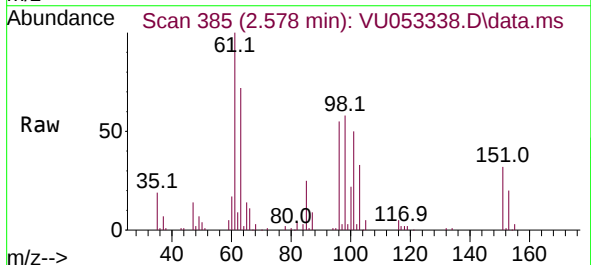
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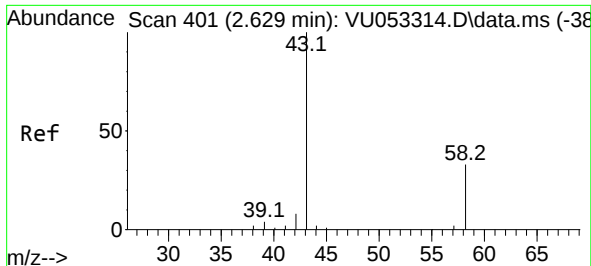
Tgt Ion:	101	Resp:	36053
Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.0	55.6
151	62.5	52.9	79.3



#12
 1,1-Dichloroethene
 Concen: 38.040 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053338.D
 Acq: 21 Mar 2023 20:41

Tgt Ion:	96	Resp:	32836
Ion	Ratio	Lower	Upper
96	100		
61	180.3	122.2	226.9
63	129.5	89.9	166.9





#13

Acetone

Concen: 69.158 ug/L

RT: 2.630 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

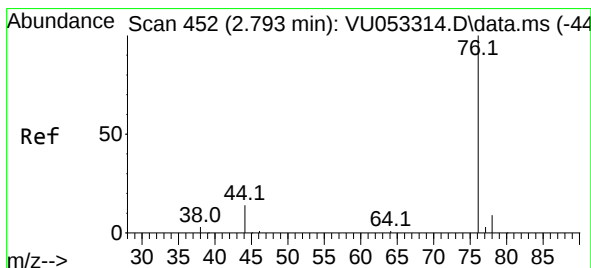
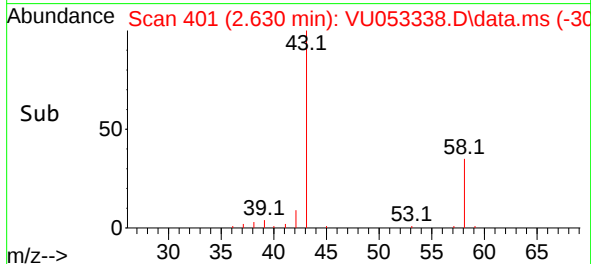
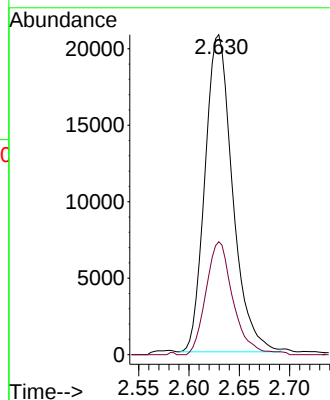
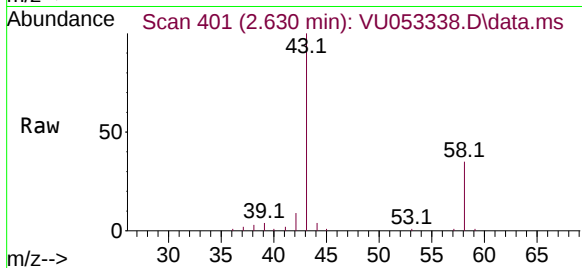
VSTD050170

Tgt Ion: 43 Resp: 39613

Ion Ratio Lower Upper

43 100

58 34.8 0.0 75.0



#14

Carbon disulfide

Concen: 35.440 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053338.D

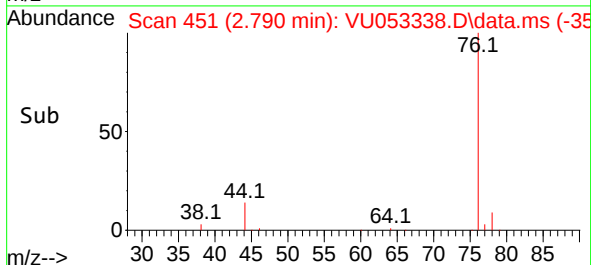
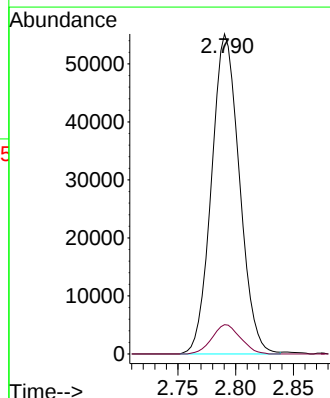
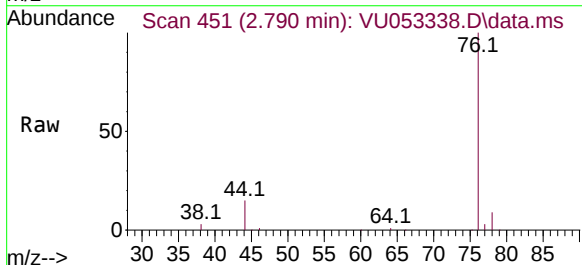
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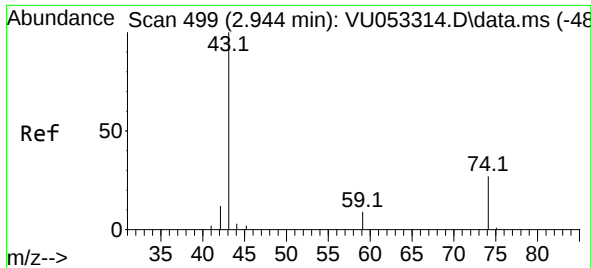
Tgt Ion: 76 Resp: 92656

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

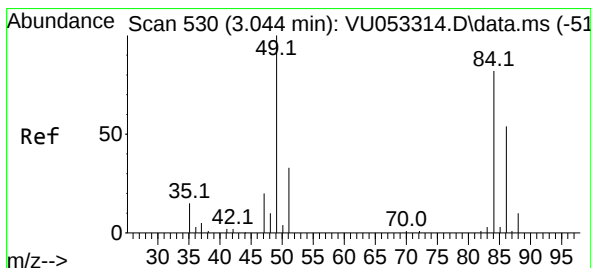
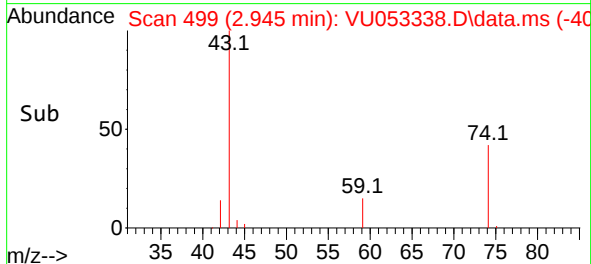
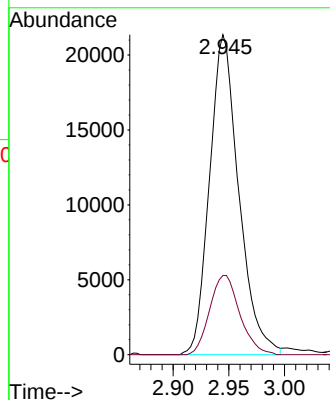
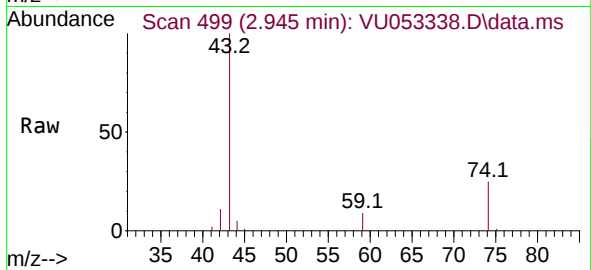




#15
Methyl Acetate
Concen: 49.694 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

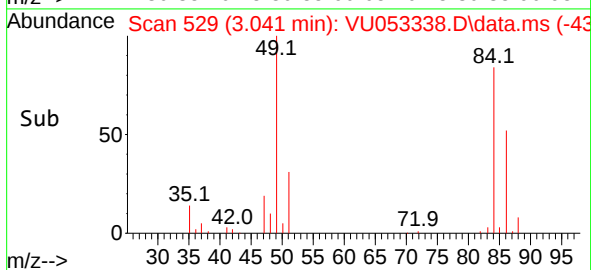
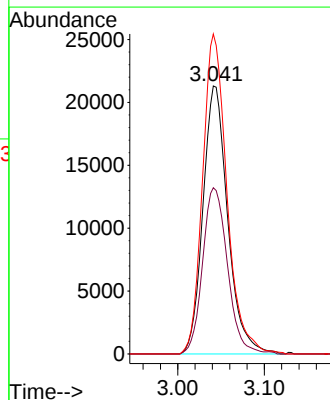
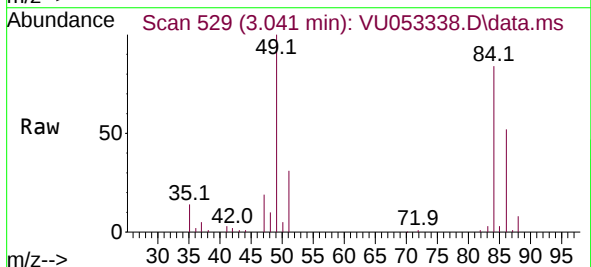
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

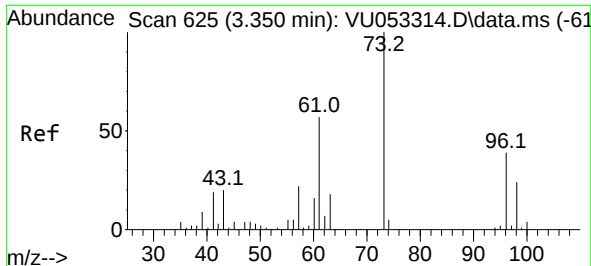
Tgt Ion: 43 Resp: 39015
Ion Ratio Lower Upper
43 100
74 25.5 21.4 32.0



#16
Methylene chloride
Concen: 40.404 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 84 Resp: 42310
Ion Ratio Lower Upper
84 100
86 62.0 44.4 82.4
49 119.4 81.6 151.6

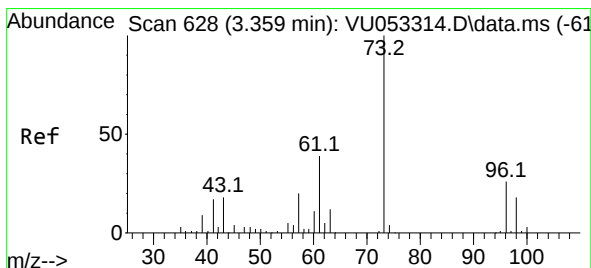
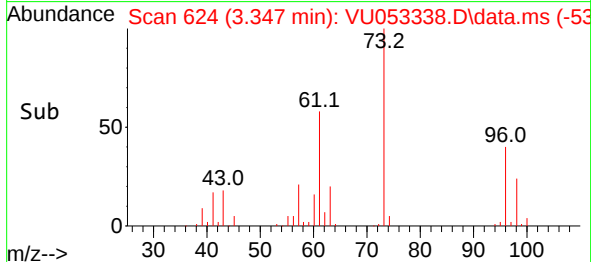
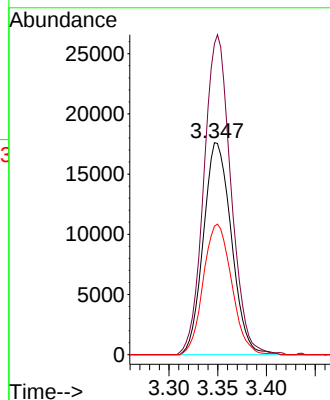
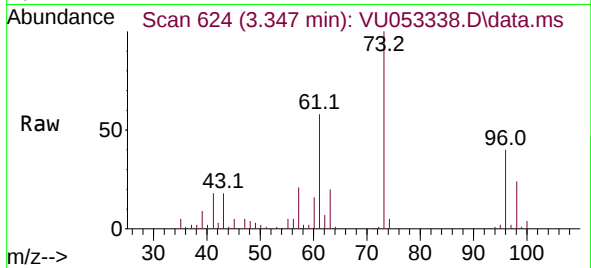




#17
trans-1,2-Dichloroethene
Concen: 40.269 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

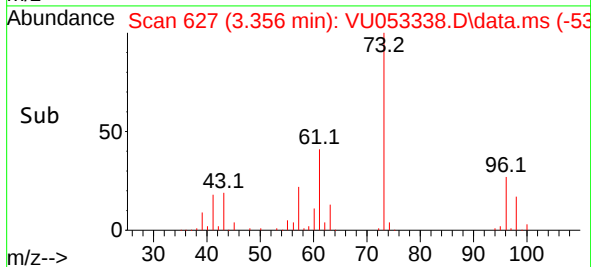
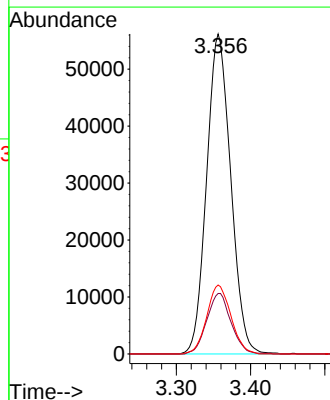
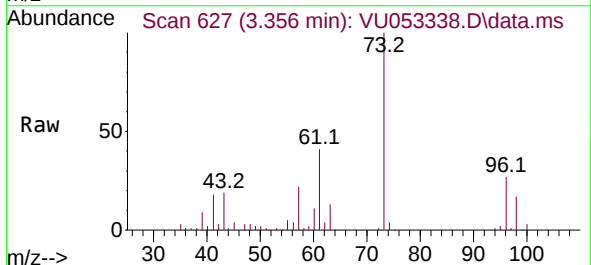
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

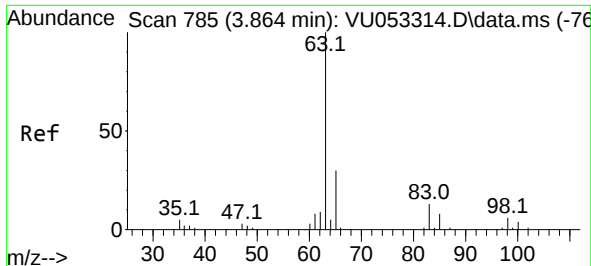
Tgt Ion: 96 Resp: 35268
Ion Ratio Lower Upper
96 100
61 146.7 99.6 185.0
98 60.6 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 43.031 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 73 Resp: 126729
Ion Ratio Lower Upper
73 100
43 19.0 14.2 21.2
57 21.6 18.0 27.0





#19

1,1-Dichloroethane

Concen: 41.463 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

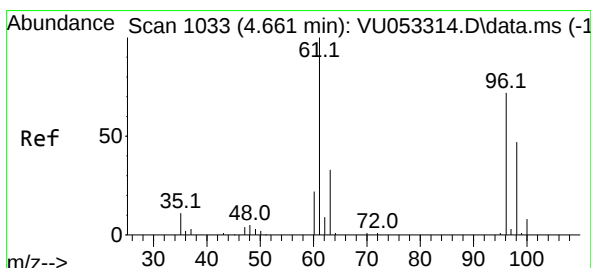
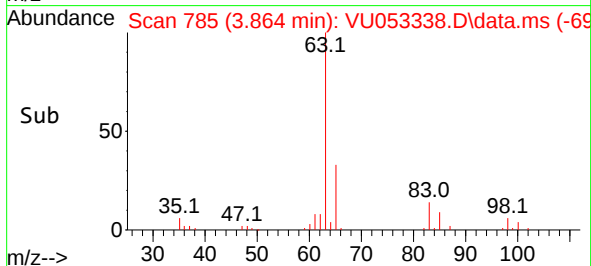
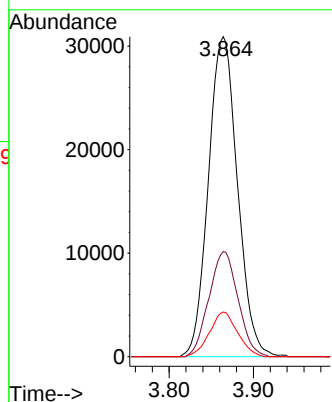
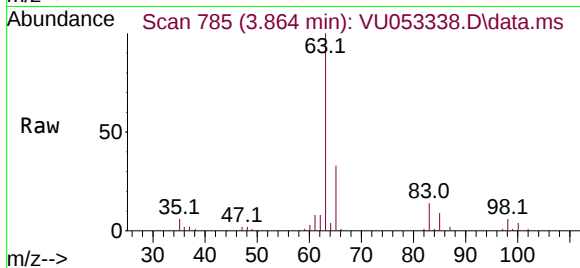
Tgt Ion: 63 Resp: 74127

Ion Ratio Lower Upper

63 100

65 32.8 22.8 42.4

83 13.9 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 40.895 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

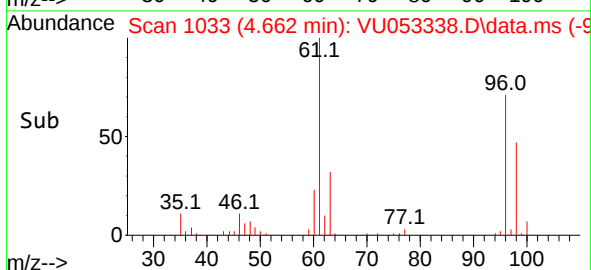
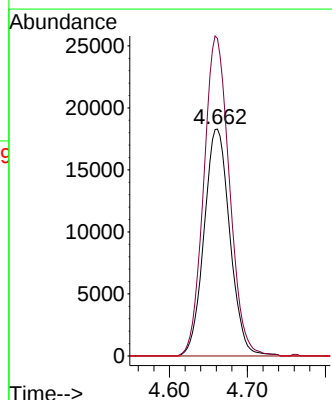
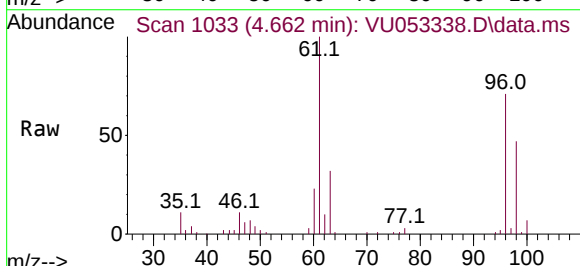
Tgt Ion: 96 Resp: 42068

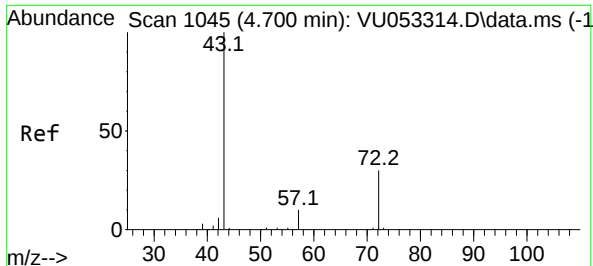
Ion Ratio Lower Upper

96 100

61 139.9 92.5 171.7

68 0.0 0.0 0.0

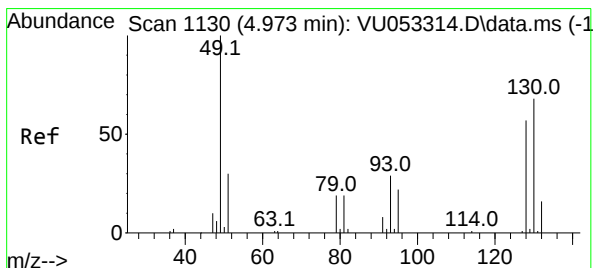
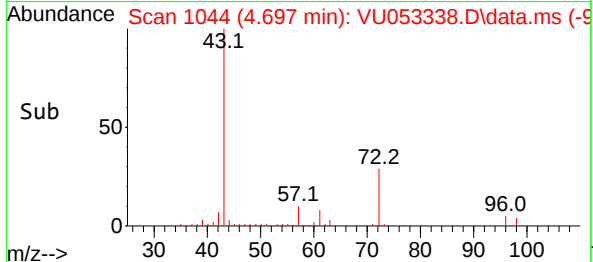
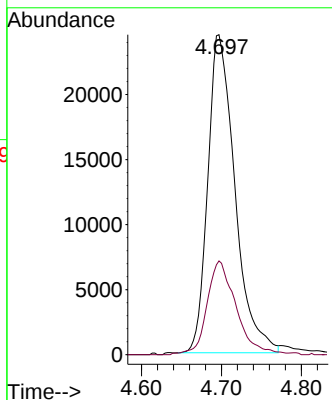
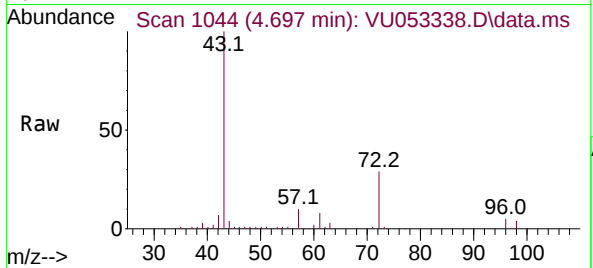




#22
2-Butanone
Concen: 88.392 ug/L
RT: 4.697 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

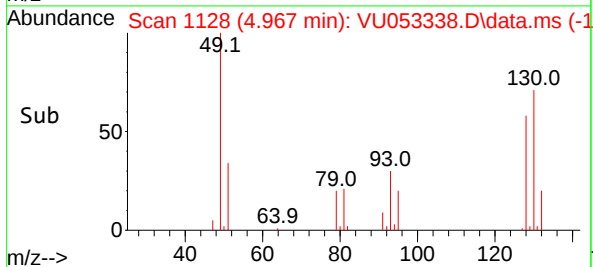
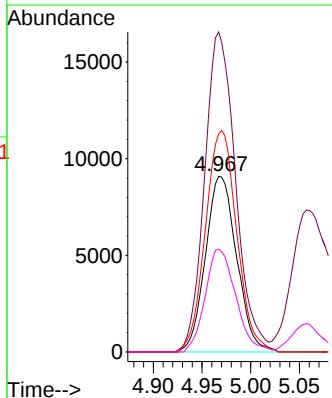
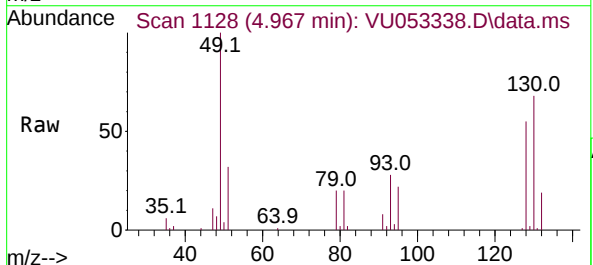
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

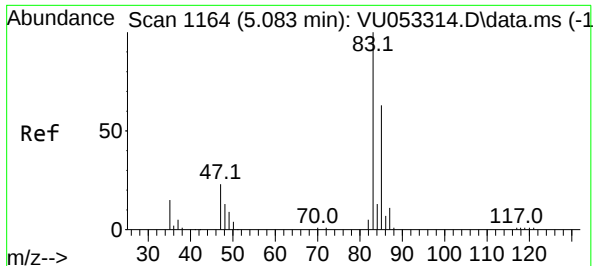
Tgt Ion: 43 Resp: 57681
Ion Ratio Lower Upper
43 100
72 31.5 16.0 47.9



#23
Bromochloromethane
Concen: 41.279 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:128 Resp: 20247
Ion Ratio Lower Upper
128 100
49 182.2 109.9 204.1
130 124.1 87.2 161.9
51 58.5 41.1 61.7





#25

Chloroform

Concen: 43.521 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

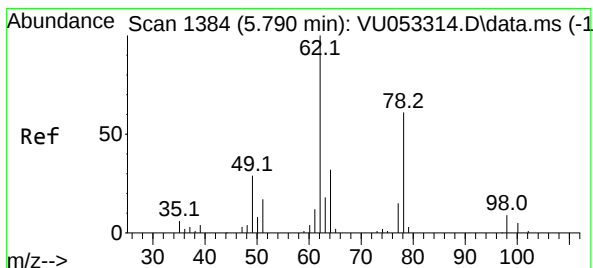
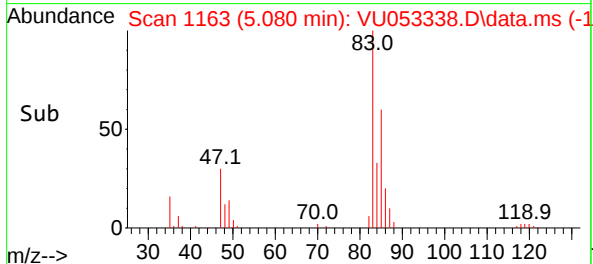
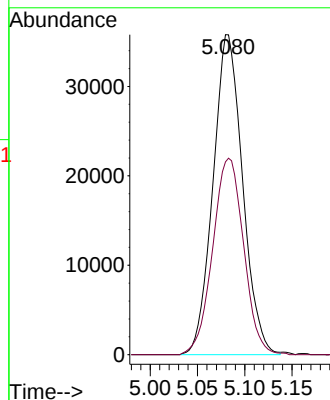
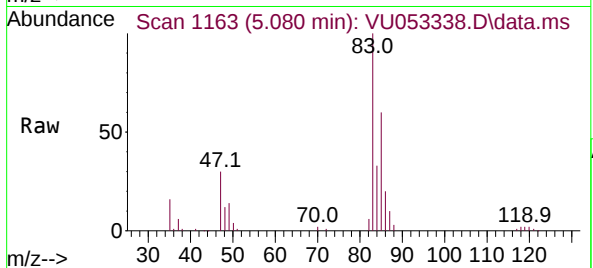
VSTD050170

Tgt Ion: 83 Resp: 77860

Ion Ratio Lower Upper

83 100

85 60.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 46.000 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053338.D

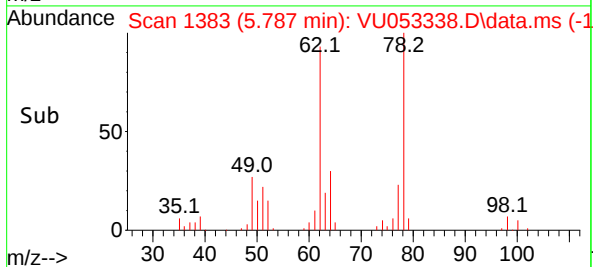
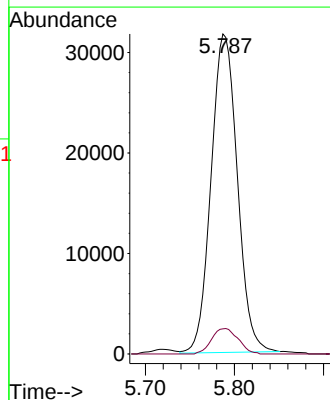
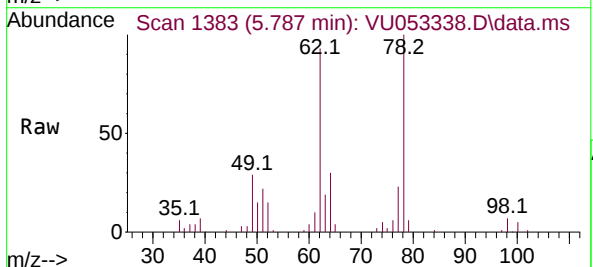
Acq: 21 Mar 2023 20:41

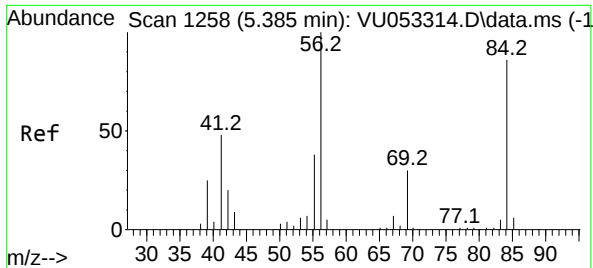
Tgt Ion: 62 Resp: 64962

Ion Ratio Lower Upper

62 100

98 7.9 7.0 10.6





#29

Cyclohexane

Concen: 39.374 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

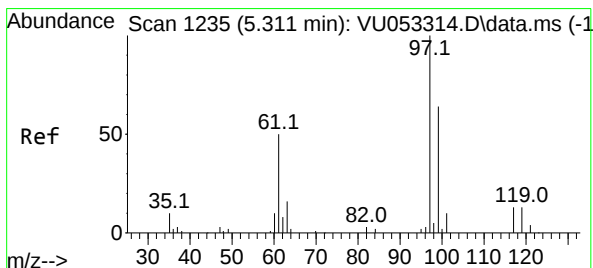
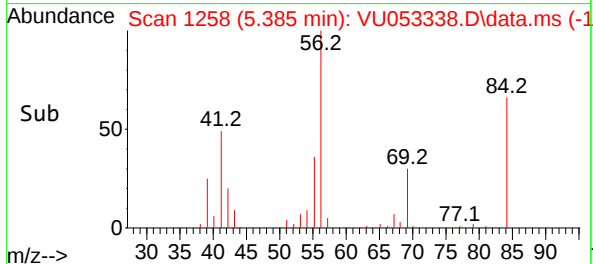
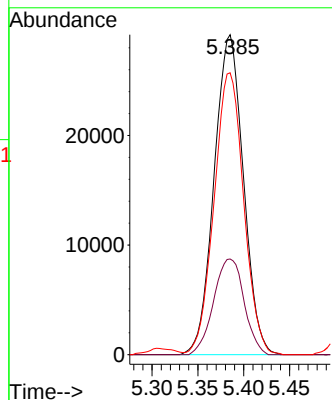
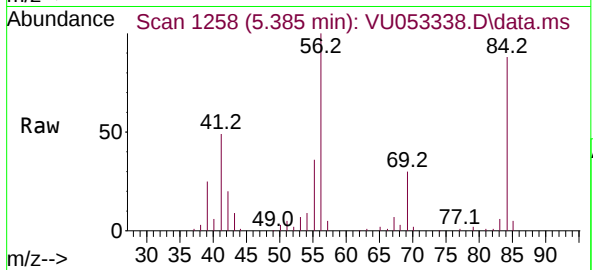
Tgt Ion: 56 Resp: 64806

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.0

84 89.2 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 41.425 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

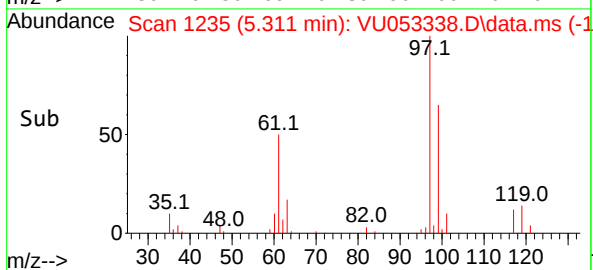
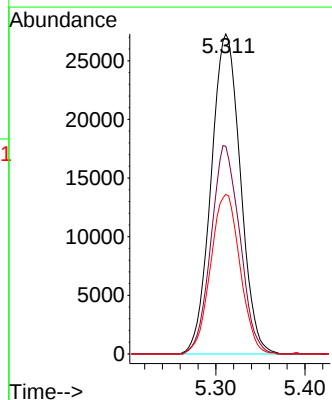
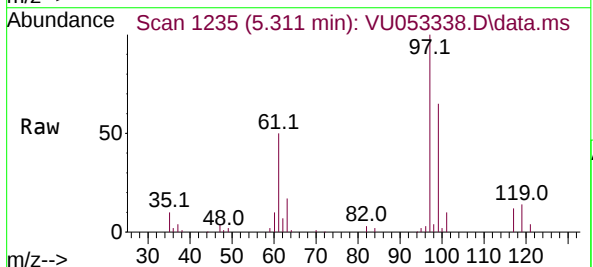
Tgt Ion: 97 Resp: 62371

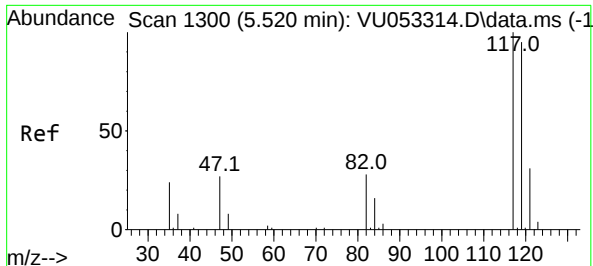
Ion Ratio Lower Upper

97 100

99 63.8 50.6 76.0

61 50.0 36.0 54.0

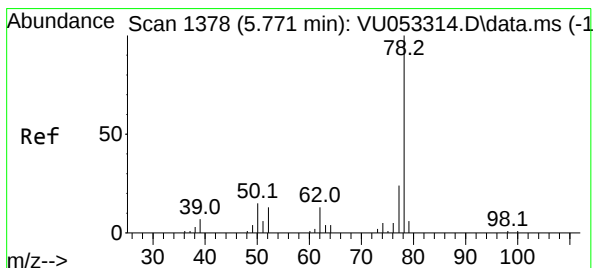
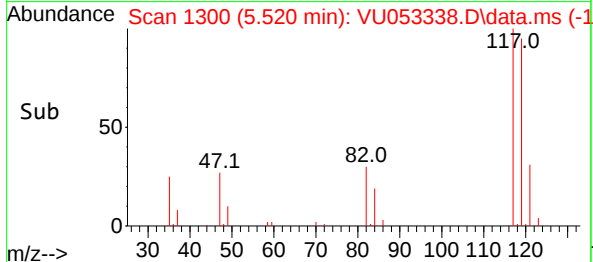
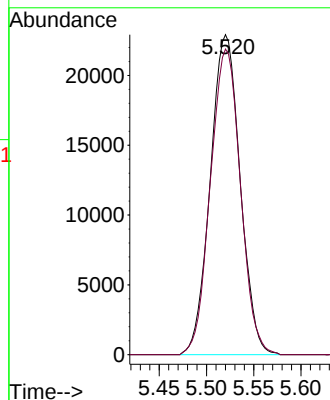
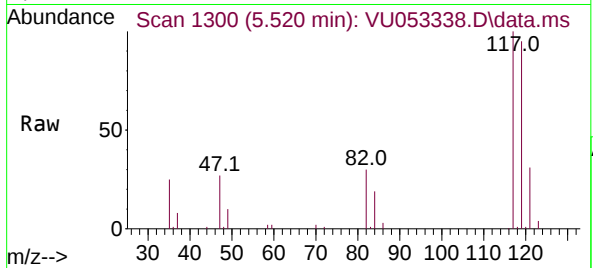




#31
Carbon tetrachloride
Concen: 40.800 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

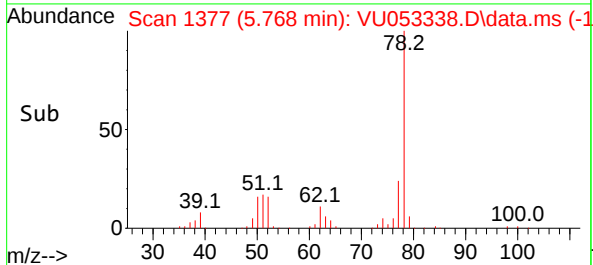
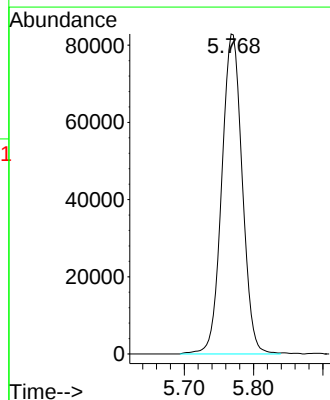
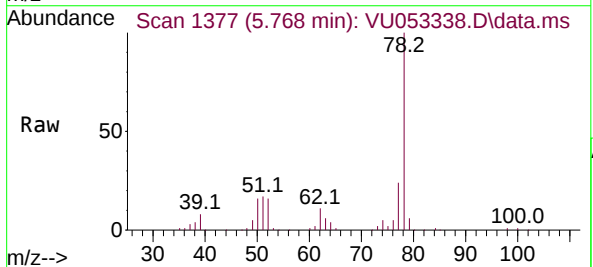
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

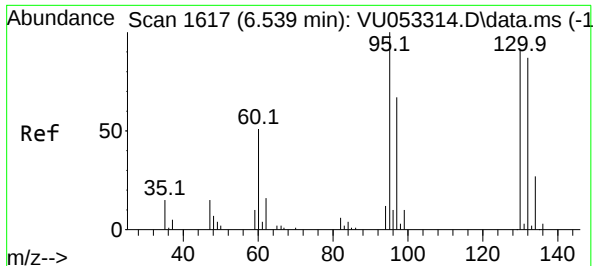
Tgt Ion:117 Resp: 50327
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2



#33
Benzene
Concen: 44.515 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 78 Resp: 170469





#34

Trichloroethene

Concen: 42.786 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

Tgt Ion: 95 Resp: 42723

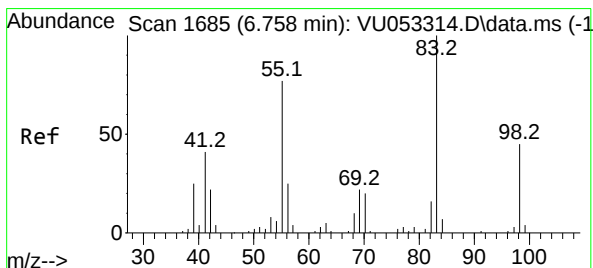
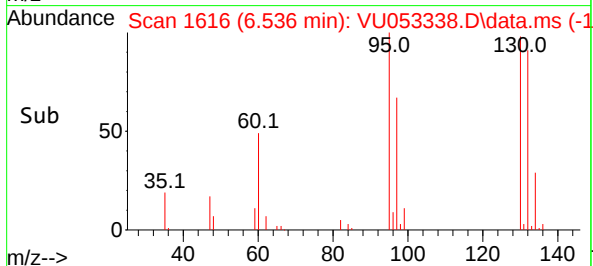
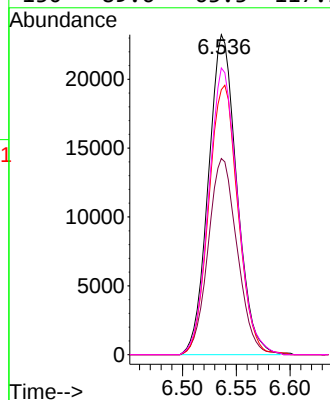
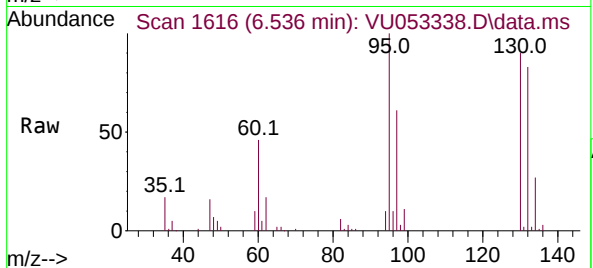
Ion Ratio Lower Upper

95 100

97 61.3 43.8 81.3

132 82.8 61.5 114.3

130 89.6 63.3 117.5



#35

Methylcyclohexane

Concen: 39.314 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

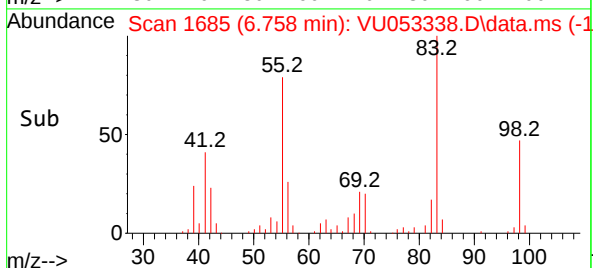
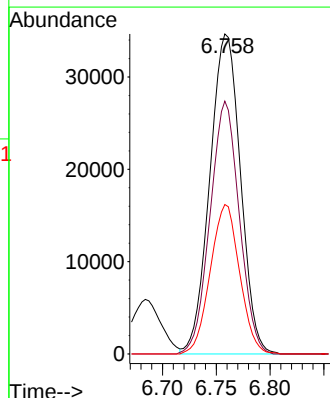
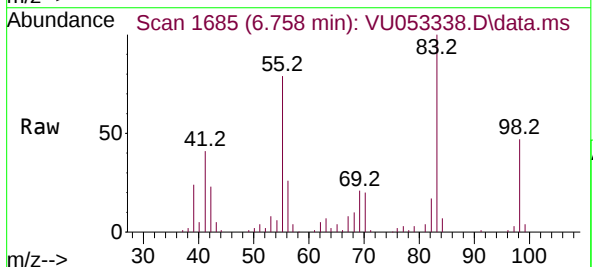
Tgt Ion: 83 Resp: 68811

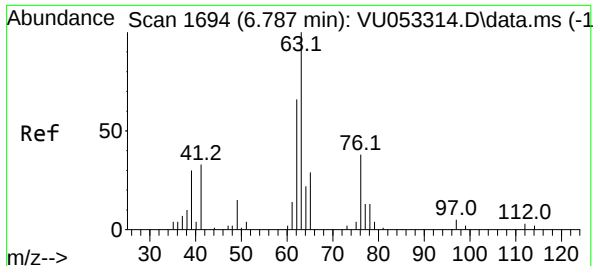
Ion Ratio Lower Upper

83 100

55 75.3 58.2 87.4

98 44.7 35.4 53.2

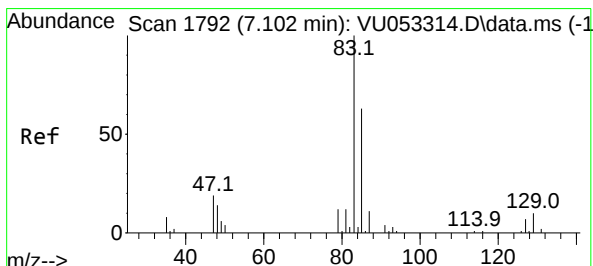
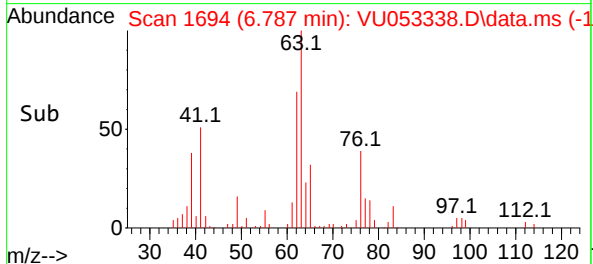
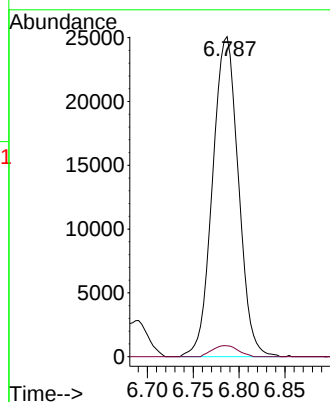
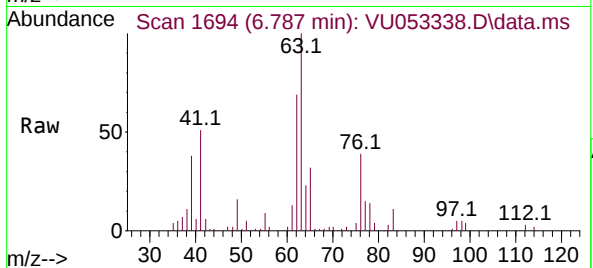




#37
1,2-Dichloropropane
Concen: 46.081 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

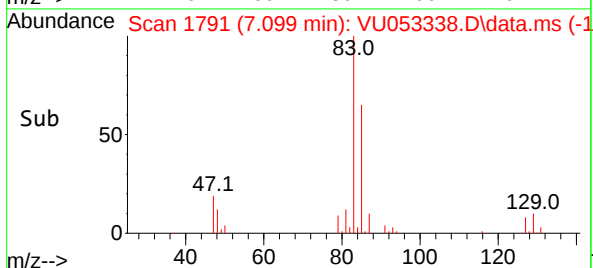
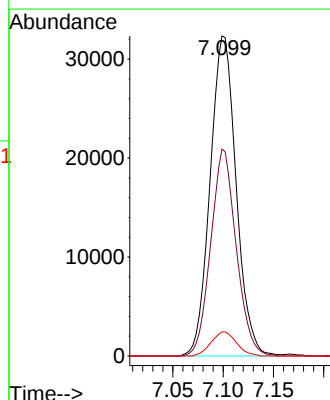
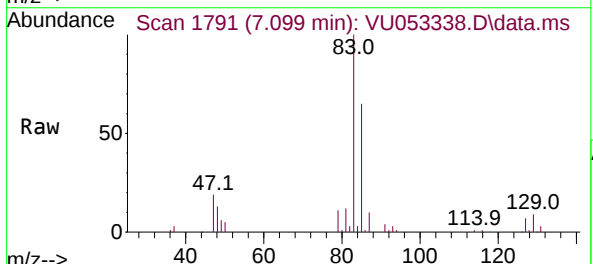
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

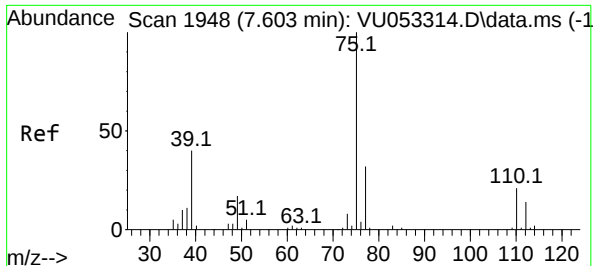
Tgt Ion: 63 Resp: 49234
Ion Ratio Lower Upper
63 100
112 3.5 2.6 3.8



#38
Bromodichloromethane
Concen: 43.833 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 83 Resp: 58282
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.2
127 7.5 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 41.998 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

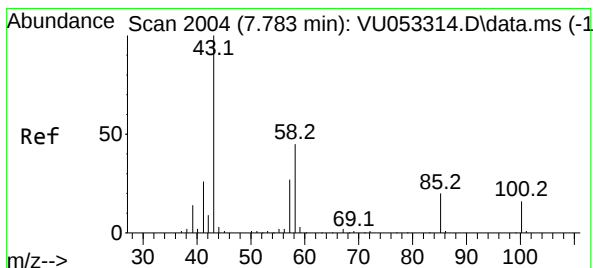
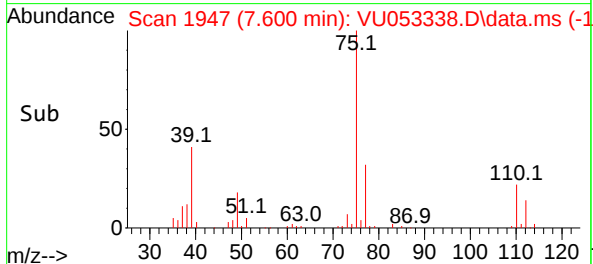
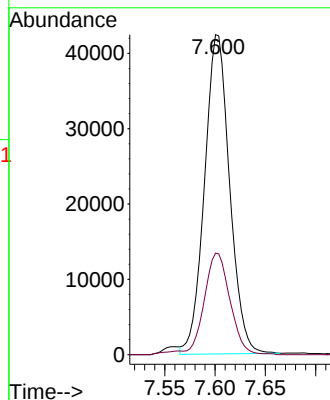
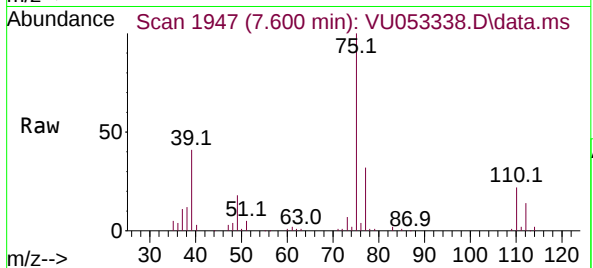
VSTD050170

Tgt Ion: 75 Resp: 73721

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 106.207 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

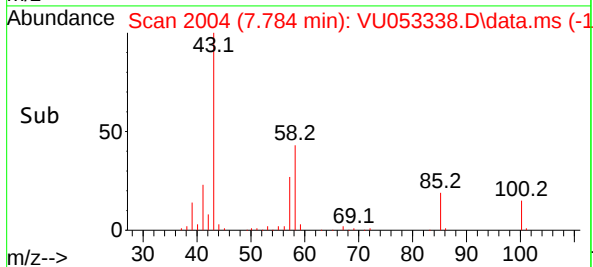
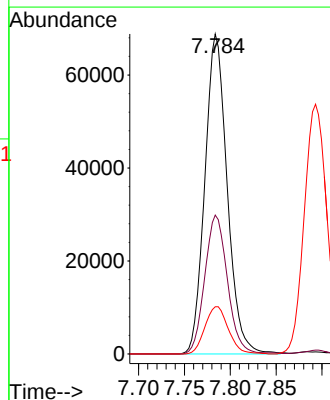
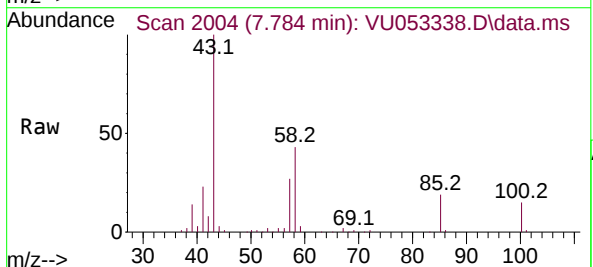
Tgt Ion: 43 Resp: 116633

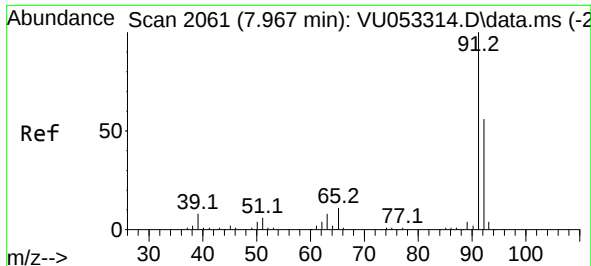
Ion Ratio Lower Upper

43 100

58 44.0 35.8 53.6

100 15.5 13.0 19.6





#42

Toluene

Concen: 43.974 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

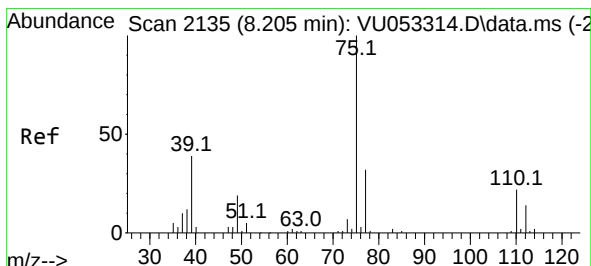
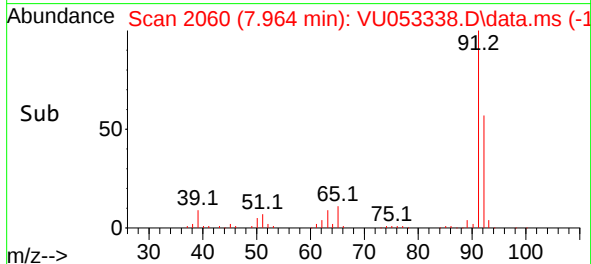
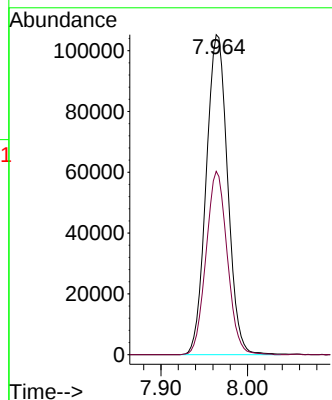
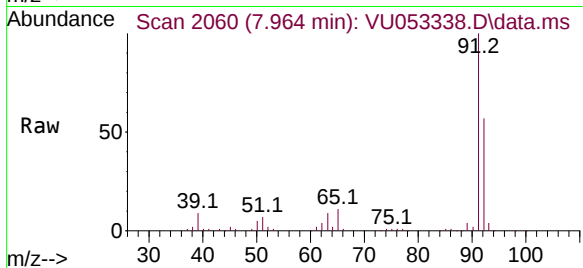
VSTD050170

Tgt Ion: 91 Resp: 181041

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.483 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053338.D

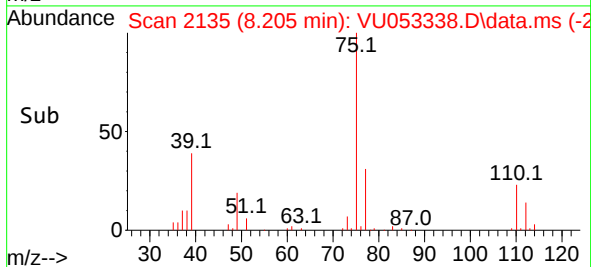
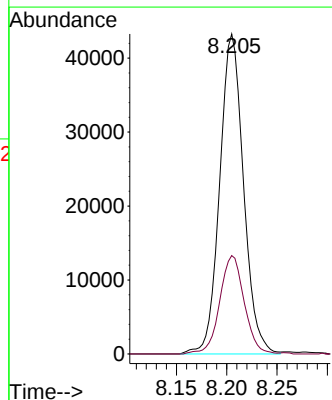
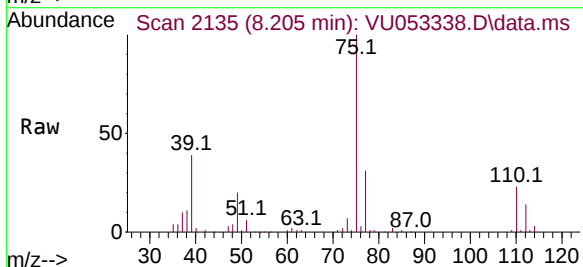
Acq: 21 Mar 2023 20:41

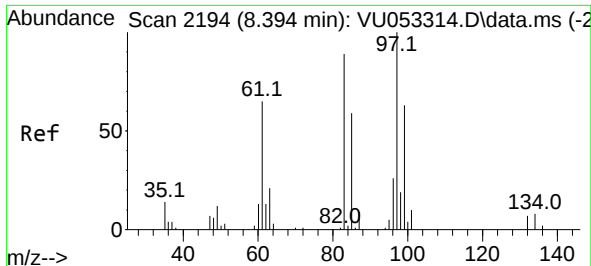
Tgt Ion: 75 Resp: 71377

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 46.529 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

Tgt Ion: 97 Resp: 45266

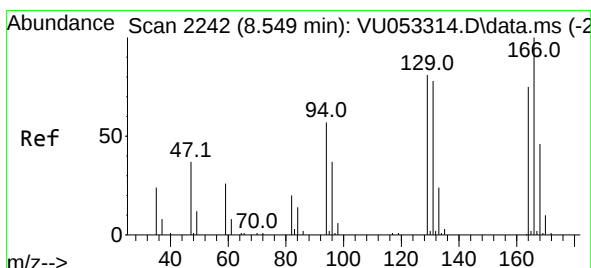
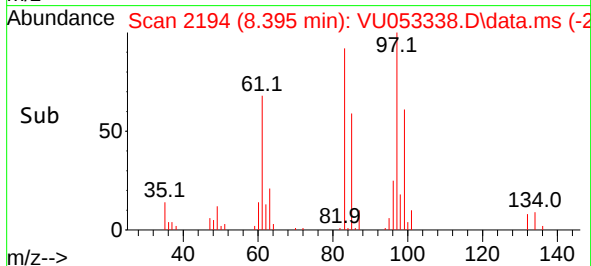
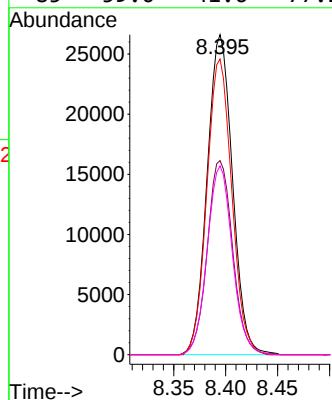
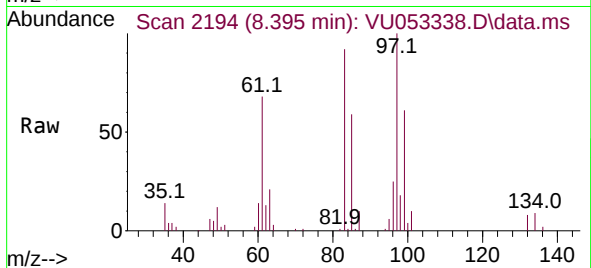
Ion Ratio Lower Upper

97 100

99 60.7 44.4 82.4

83 92.4 63.8 118.6

85 59.0 41.6 77.2



#46

Tetrachloroethene

Concen: 40.669 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Tgt Ion:164 Resp: 26420

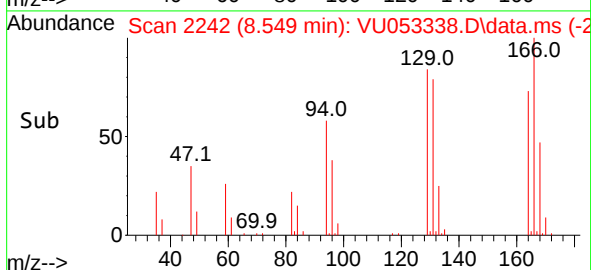
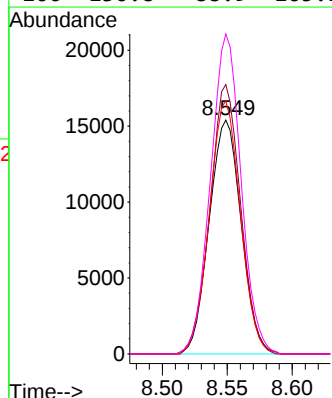
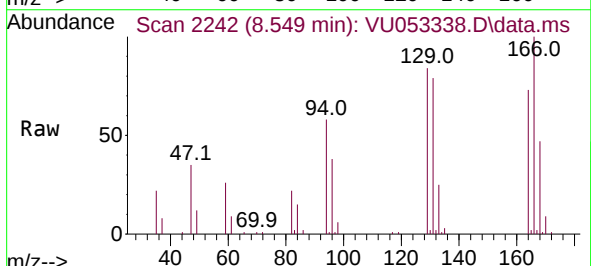
Ion Ratio Lower Upper

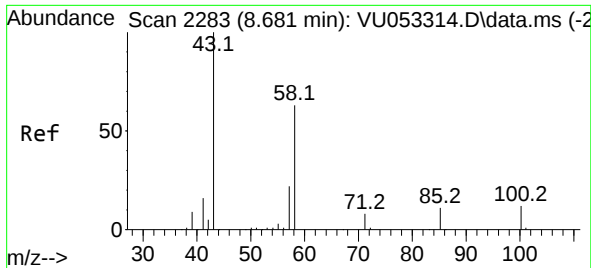
164 100

129 115.2 73.6 136.8

131 108.1 70.3 130.7

166 136.8 88.9 165.1

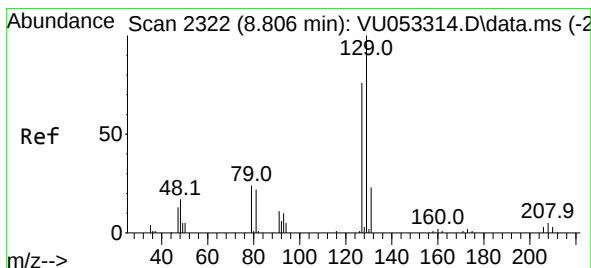
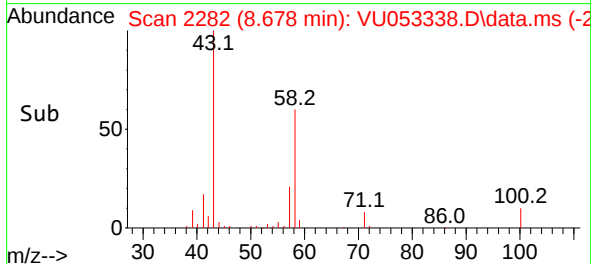
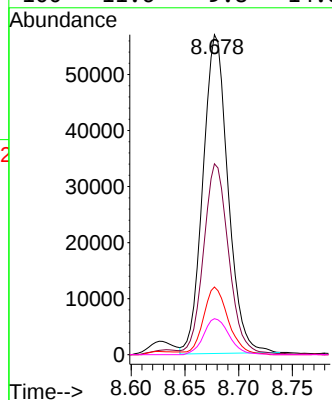
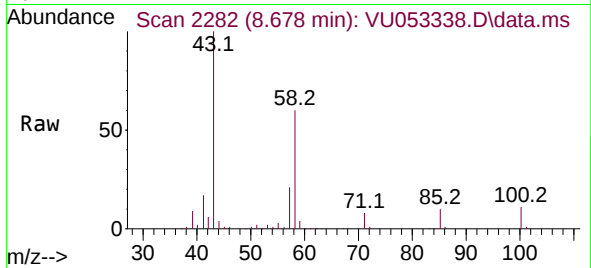




#48
2-Hexanone
Concen: 100.268 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

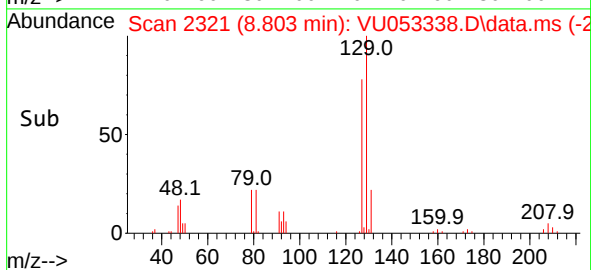
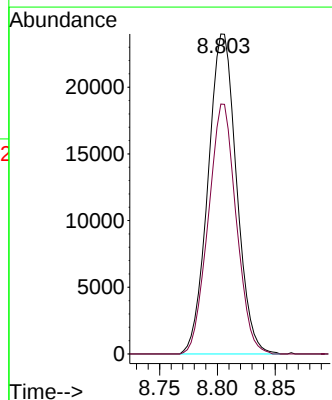
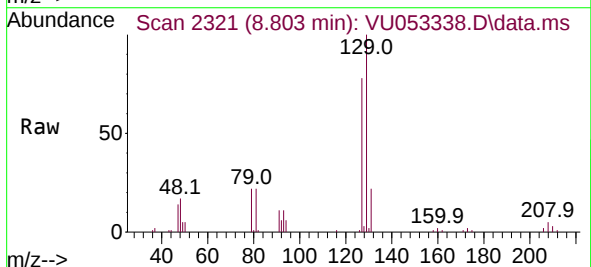
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

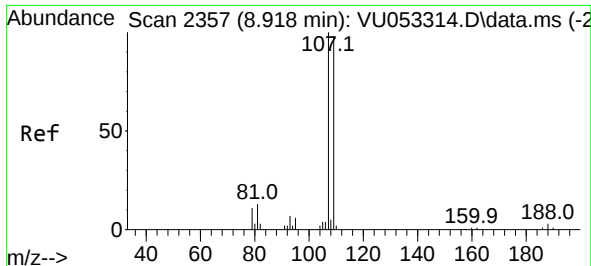
Tgt Ion:	43	Resp:	92206
Ion	Ratio	Lower	Upper
43	100		
58	60.0	49.4	74.0
57	21.0	16.9	25.3
100	11.6	9.8	14.8



#49
Dibromochloromethane
Concen: 41.313 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:	129	Resp:	41114
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.1	98.5

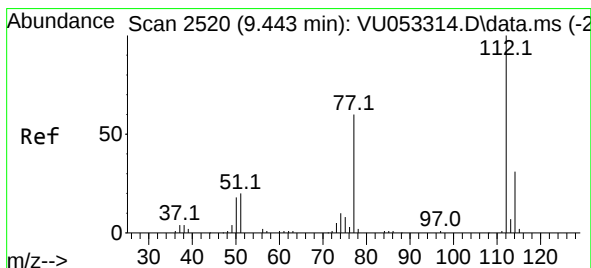
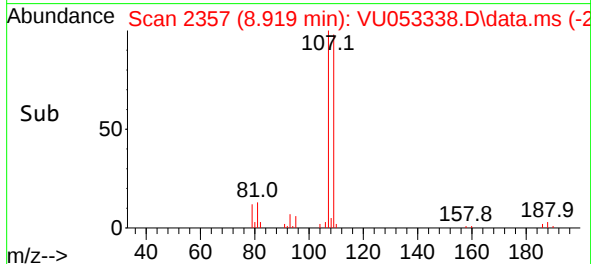
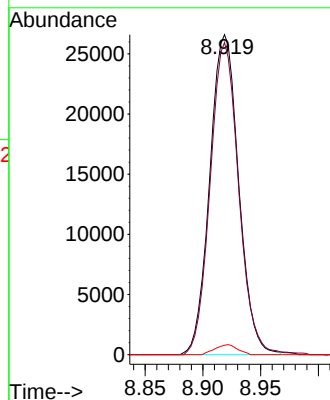
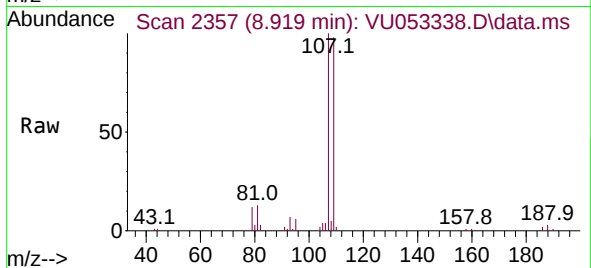




#50
1,2-Dibromoethane
Concen: 44.717 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

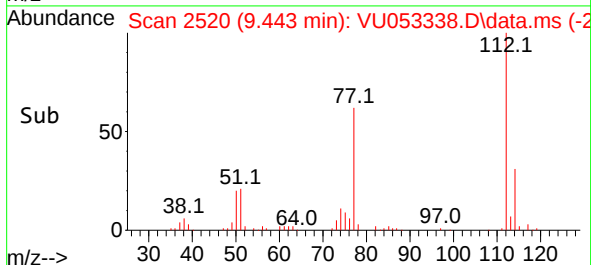
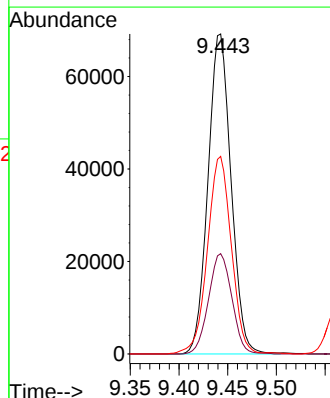
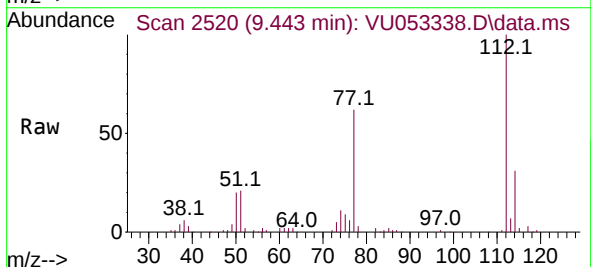
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

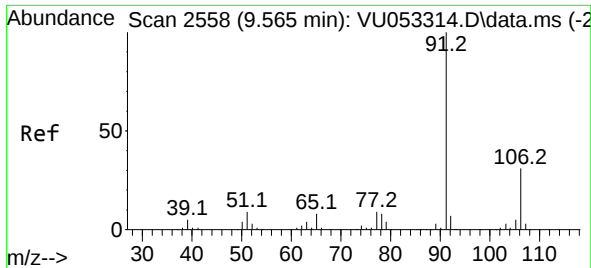
Tgt Ion:107 Resp: 46355
Ion Ratio Lower Upper
107 100
109 97.6 64.6 120.0
188 3.0 2.2 3.4



#51
Chlorobenzene
Concen: 44.467 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:112 Resp: 114101
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.6
77 61.8 48.8 73.2

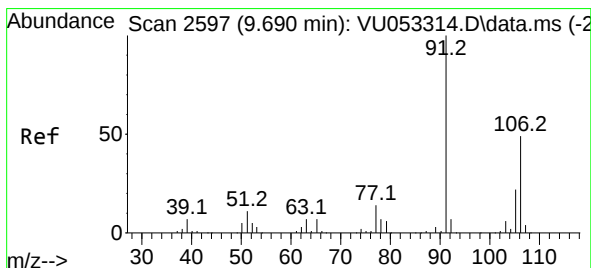
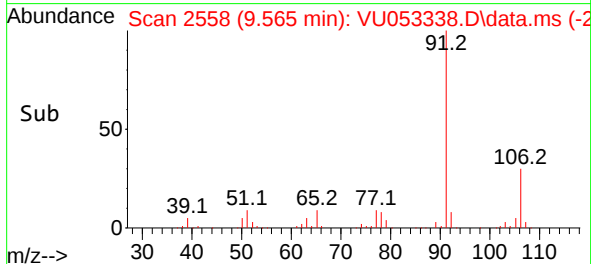
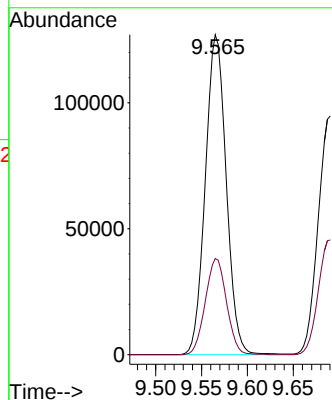
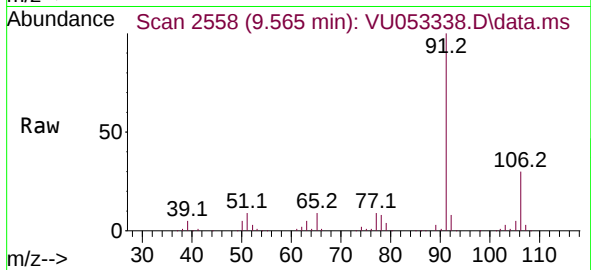




#52
Ethylbenzene
Concen: 43.167 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

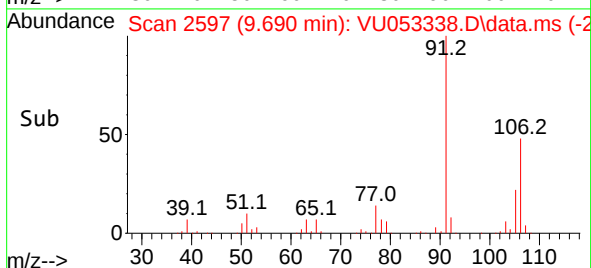
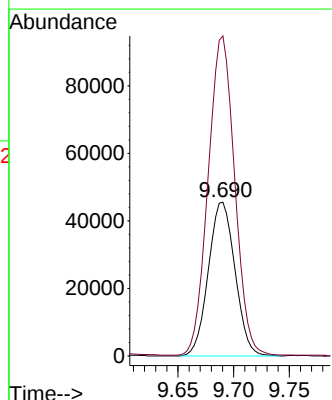
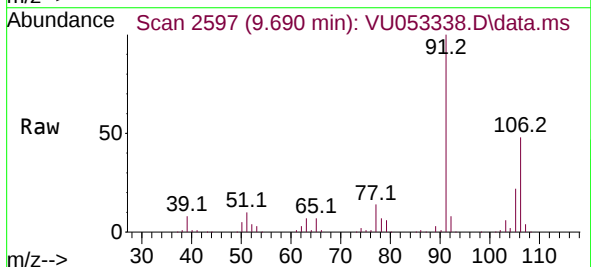
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

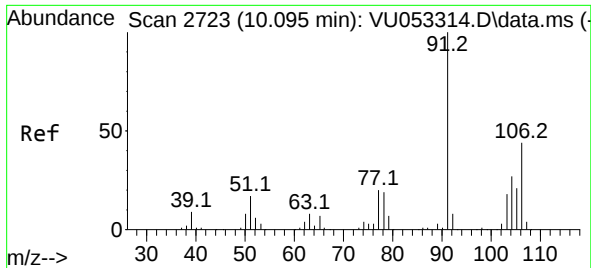
Tgt Ion: 91 Resp: 201539
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.0



#53
m,p-Xylene
Concen: 43.544 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion: 106 Resp: 75879
Ion Ratio Lower Upper
106 100
91 208.0 145.3 269.8

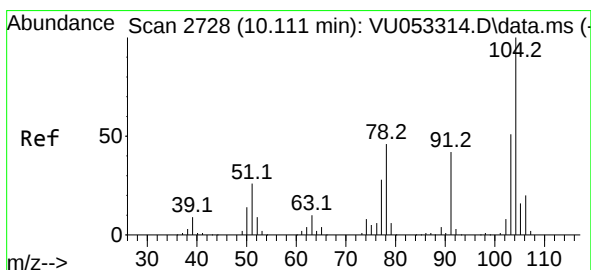
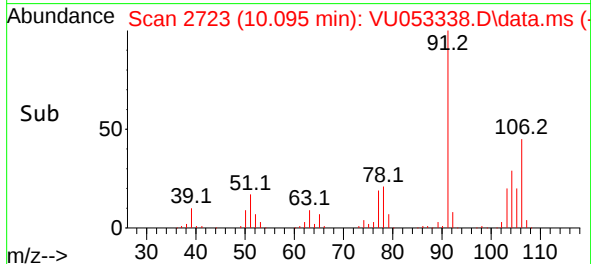
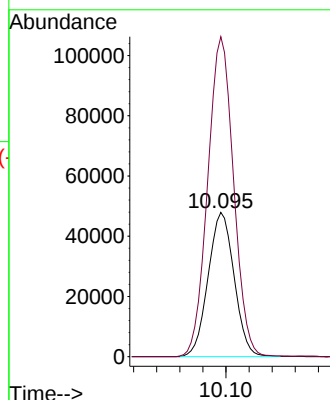
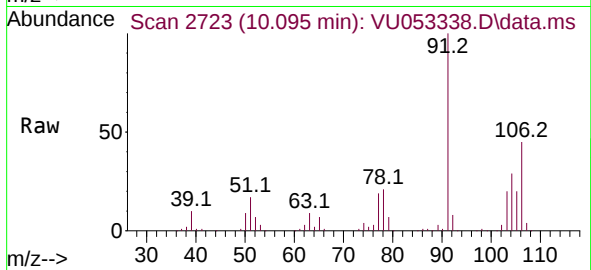




#54
o-Xylene
Concen: 43.481 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

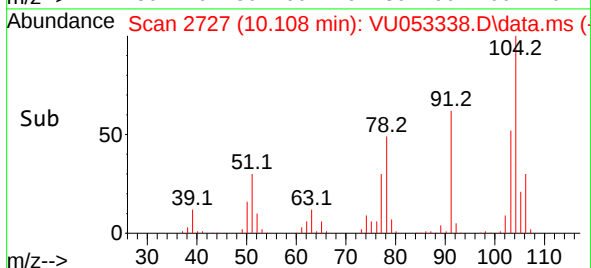
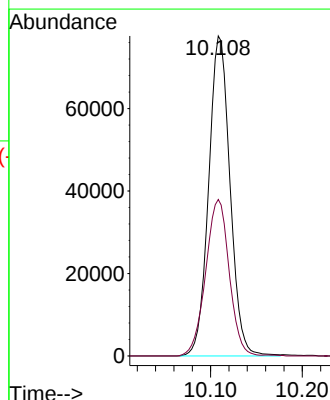
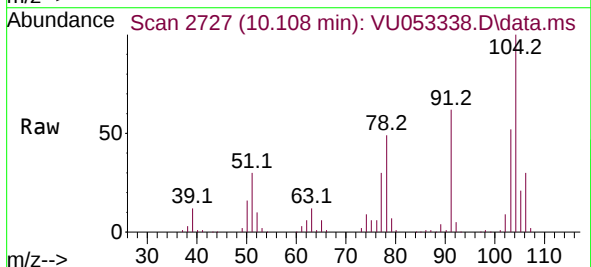
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

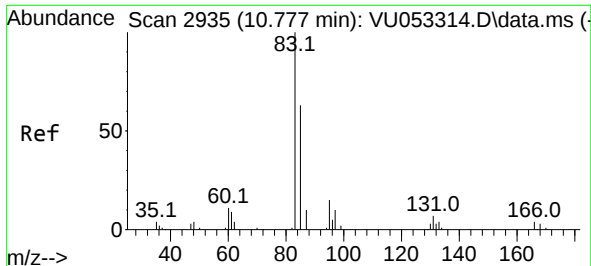
Tgt Ion:106 Resp: 74938
Ion Ratio Lower Upper
106 100
91 221.8 154.9 287.7



#55
Styrene
Concen: 43.787 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:104 Resp: 125775
Ion Ratio Lower Upper
104 100
78 48.9 32.9 61.1



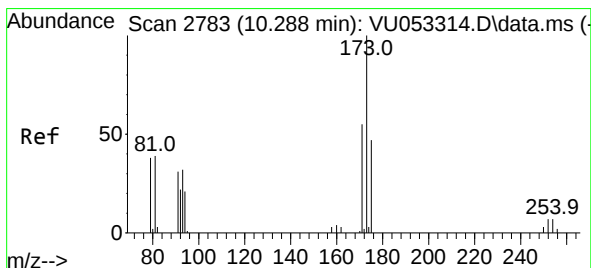
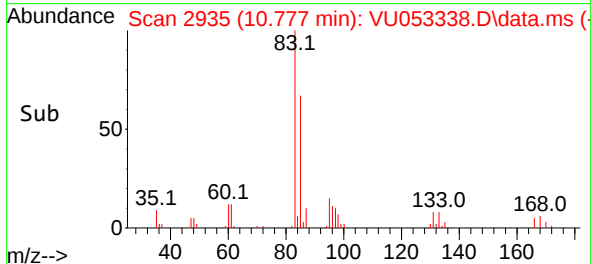
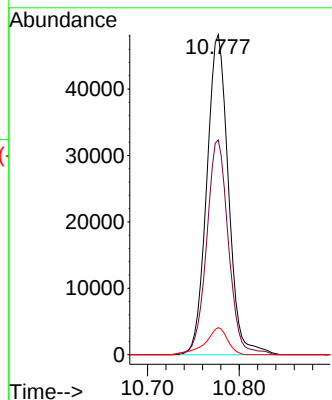
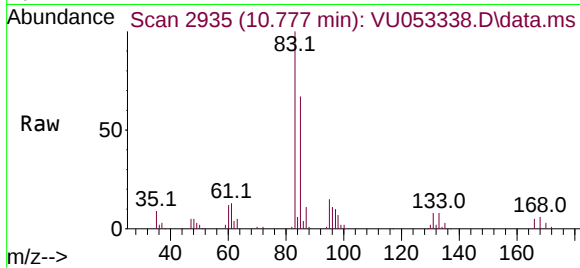


#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.462 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053338.D
 Acq: 21 Mar 2023 20:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Tgt Ion: 83 Resp: 78893

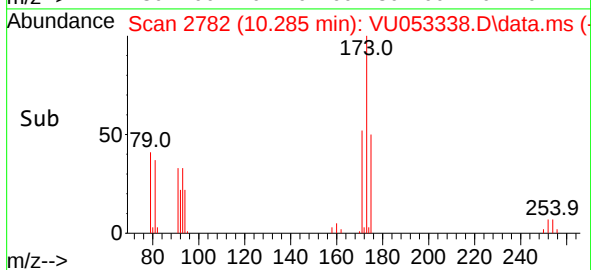
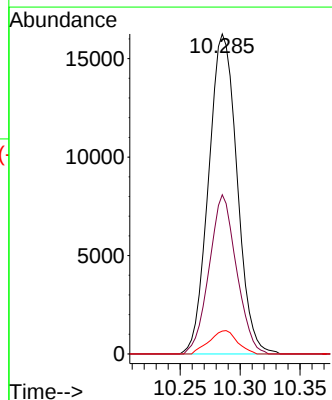
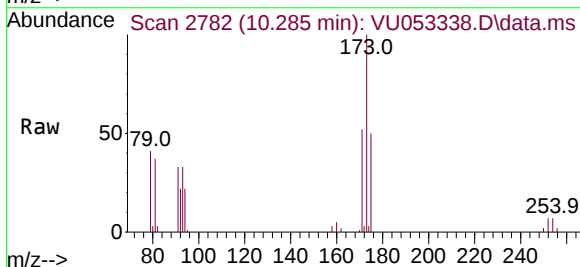
Ion	Ratio	Lower	Upper
83	100		
85	67.1	46.0	85.4
131	8.4	6.6	10.0

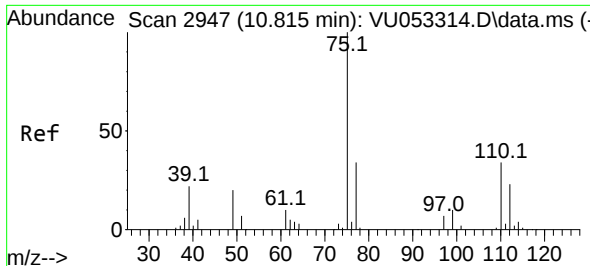


#59
 Bromoform
 Concen: 41.369 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.003 min
 Lab File: VU053338.D
 Acq: 21 Mar 2023 20:41

Tgt Ion: 173 Resp: 26805

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.5	57.7
254	7.1	6.5	9.7

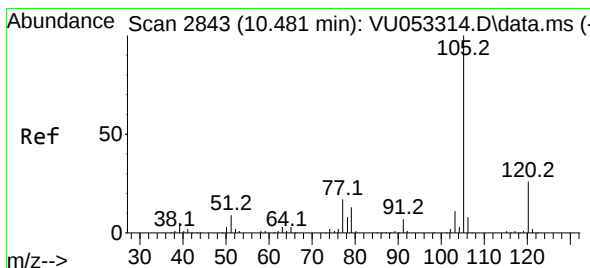
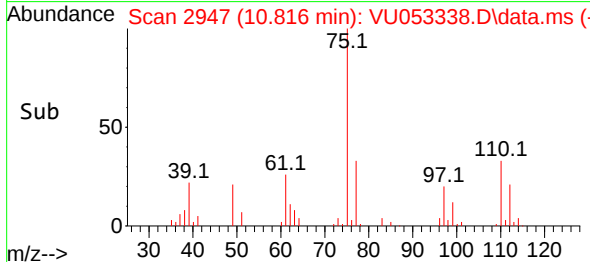
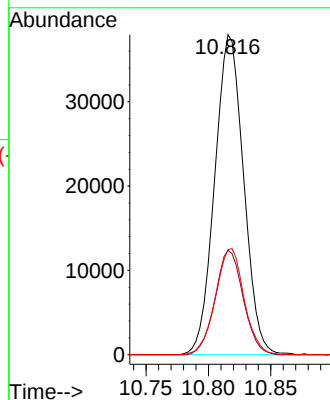
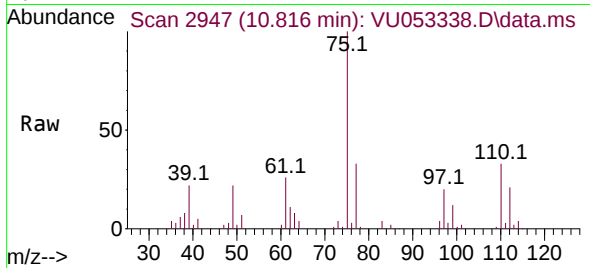




#60
1,2,3-Trichloropropane
Concen: 54.071 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

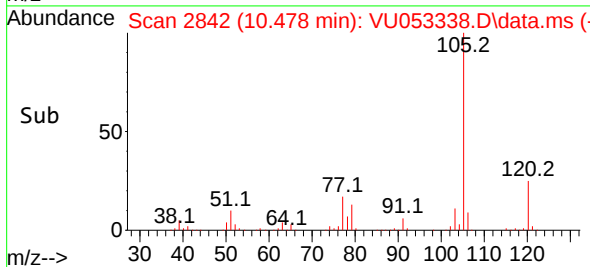
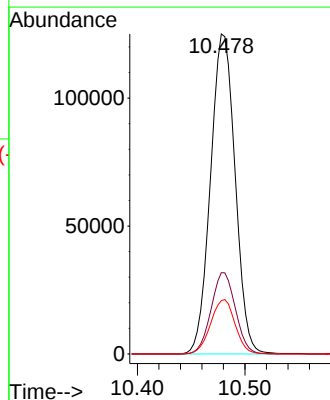
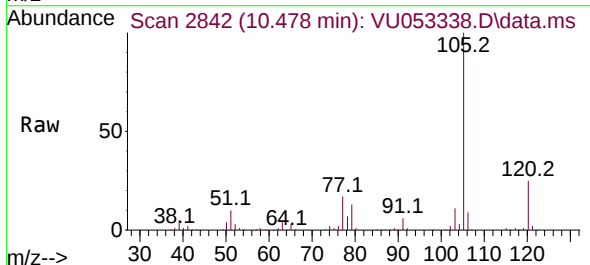
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

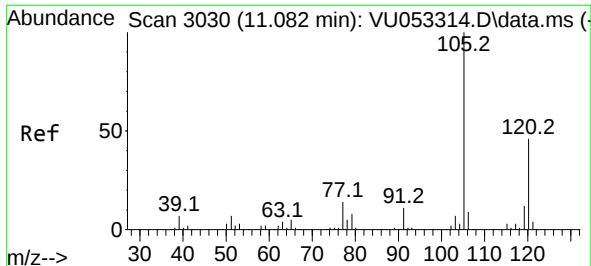
Tgt Ion:	75	Resp:	61176
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.6	40.0
110	32.8	28.6	42.8



#61
Isopropylbenzene
Concen: 44.244 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:	105	Resp:	199040
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.4	30.6
77	16.9	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 42.932 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

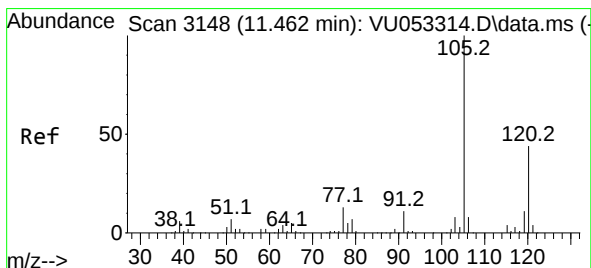
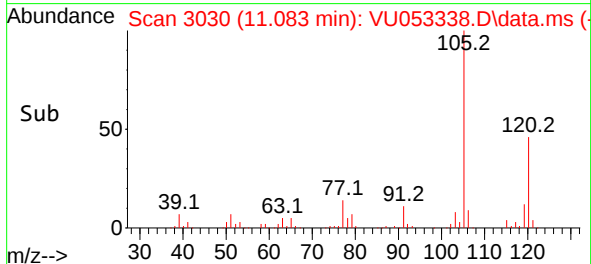
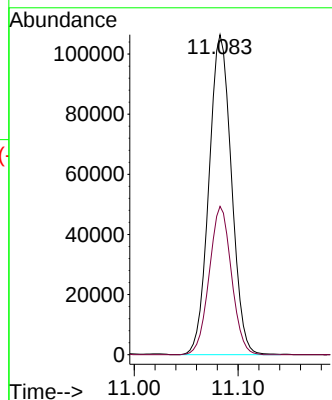
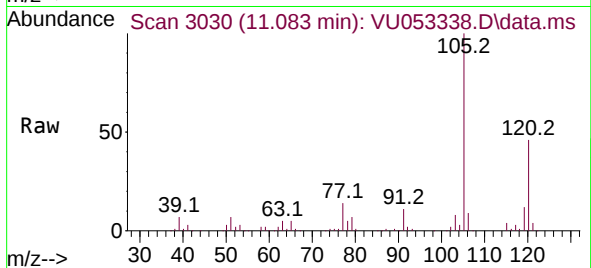
VSTD050170

Tgt Ion:105 Resp: 159868

Ion Ratio Lower Upper

105 100

120 45.7 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 42.687 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053338.D

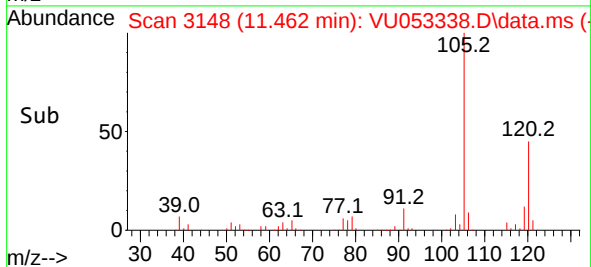
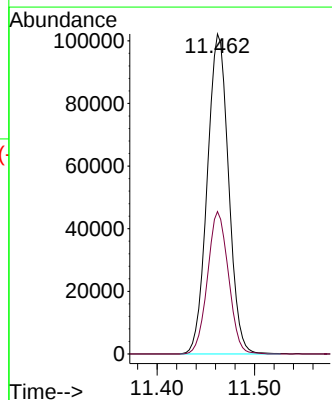
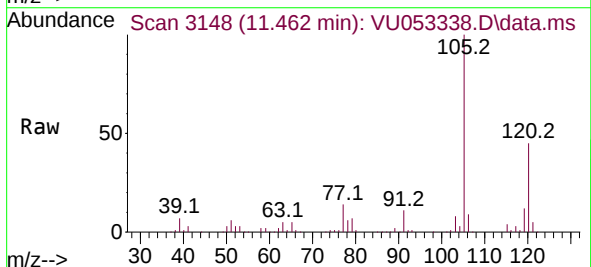
Acq: 21 Mar 2023 20:41

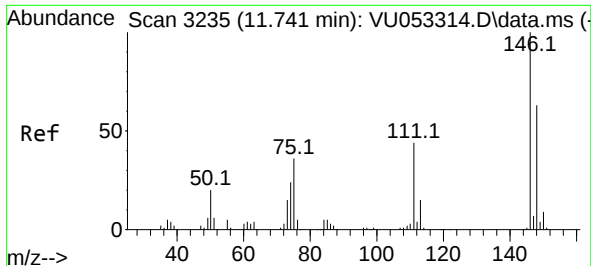
Tgt Ion:105 Resp: 154942

Ion Ratio Lower Upper

105 100

120 43.7 34.6 52.0

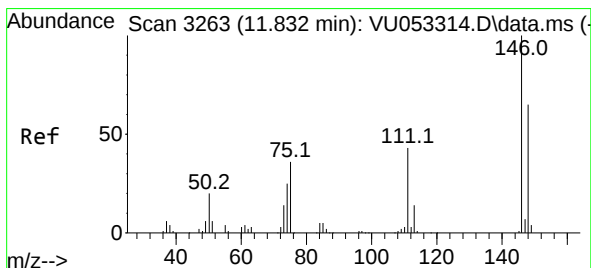
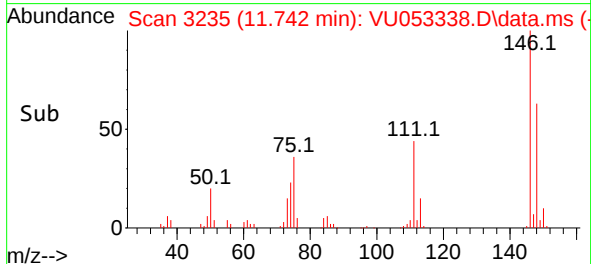
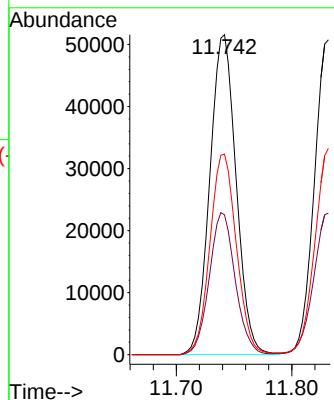
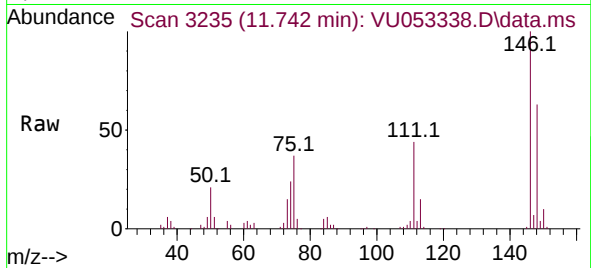




#64
1,3-Dichlorobenzene
Concen: 43.300 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

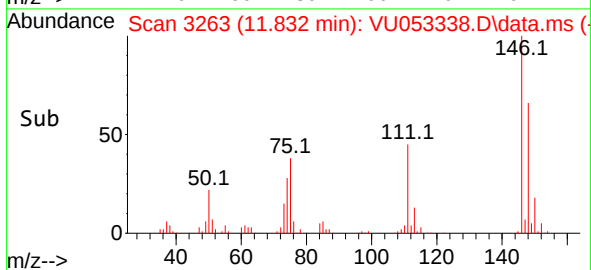
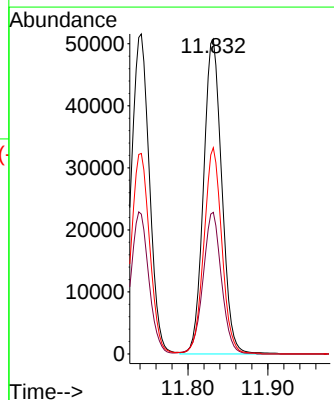
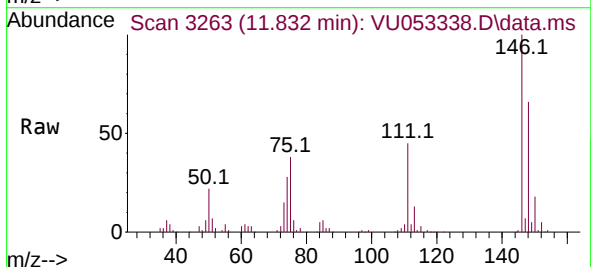
Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

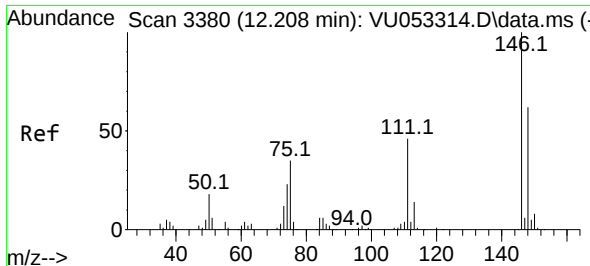
Tgt Ion:146 Resp: 81694
Ion Ratio Lower Upper
146 100
111 43.7 30.2 56.0
148 62.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 42.699 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:146 Resp: 80874
Ion Ratio Lower Upper
146 100
111 44.9 30.7 57.1
148 65.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 43.413 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

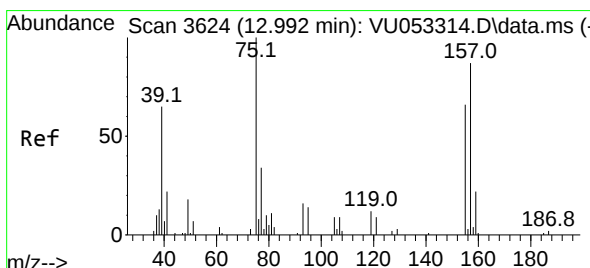
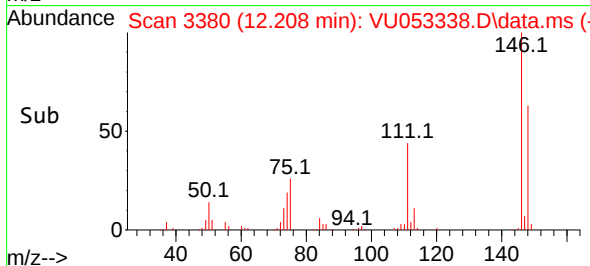
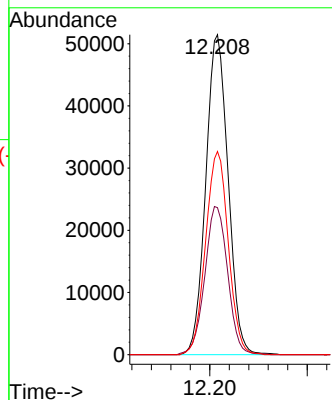
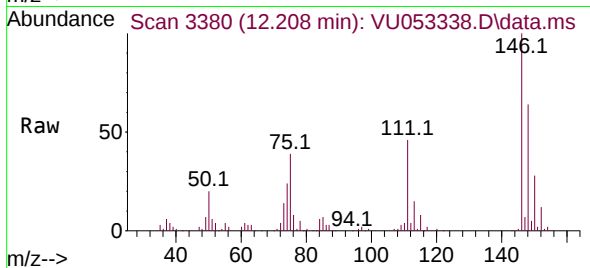
Tgt Ion:146 Resp: 81866

Ion Ratio Lower Upper

146 100

111 45.9 37.0 55.4

148 63.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.796 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

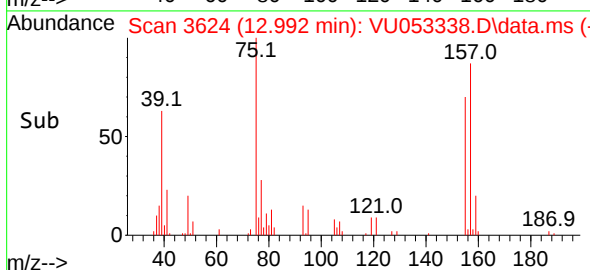
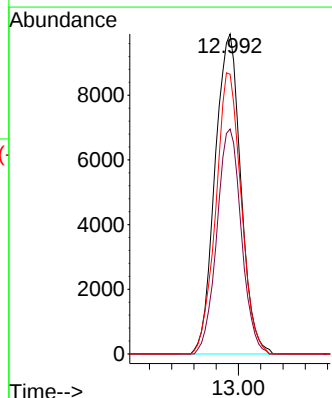
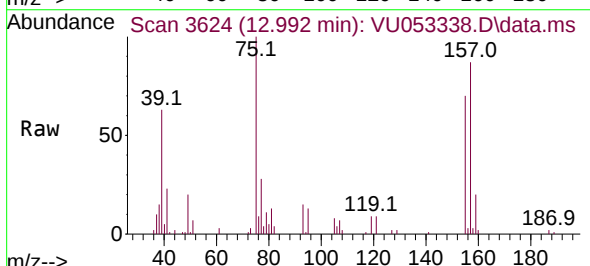
Tgt Ion: 75 Resp: 15892

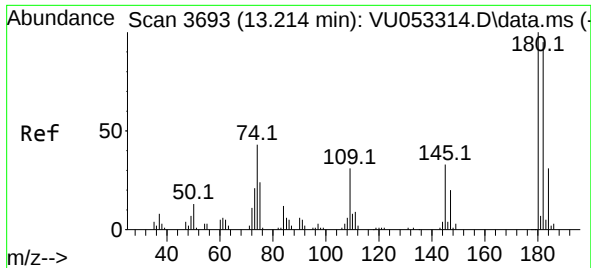
Ion Ratio Lower Upper

75 100

155 70.3 60.2 90.4

157 87.4 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 41.856 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050170

Tgt Ion:180 Resp: 50068

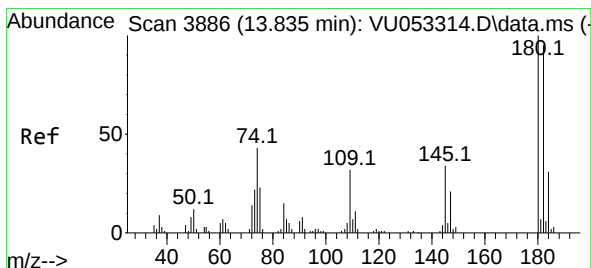
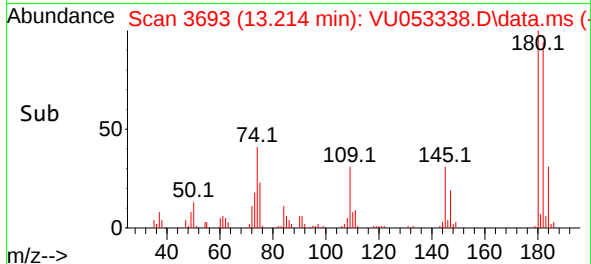
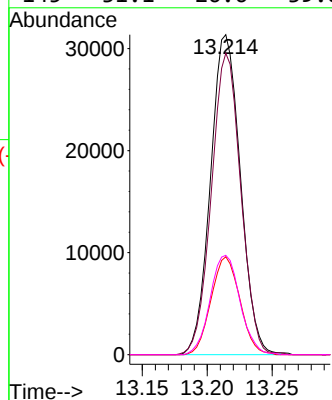
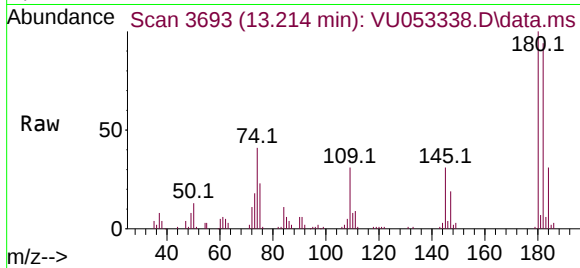
Ion Ratio Lower Upper

180 100

182 92.4 74.5 111.7

184 29.6 23.2 34.8

145 31.1 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 40.299 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053338.D

Acq: 21 Mar 2023 20:41

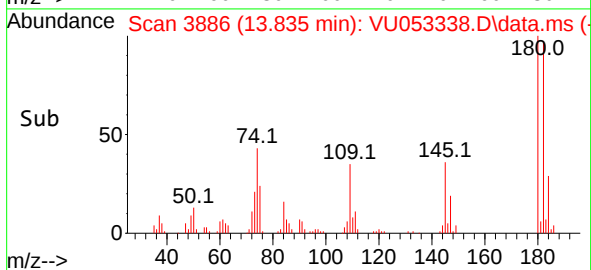
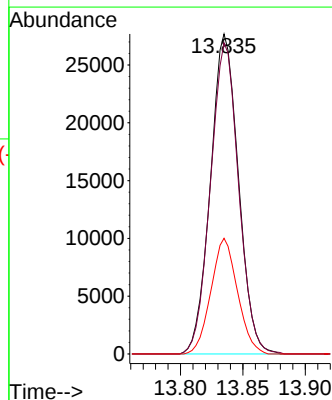
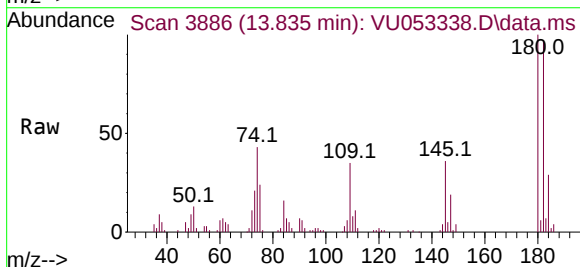
Tgt Ion:180 Resp: 43313

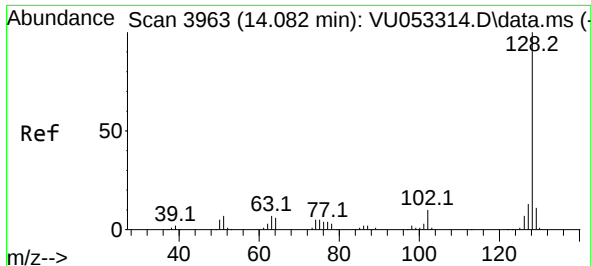
Ion Ratio Lower Upper

180 100

182 97.4 75.8 113.8

145 34.3 27.2 40.8

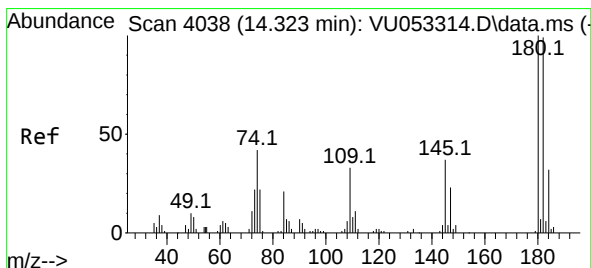
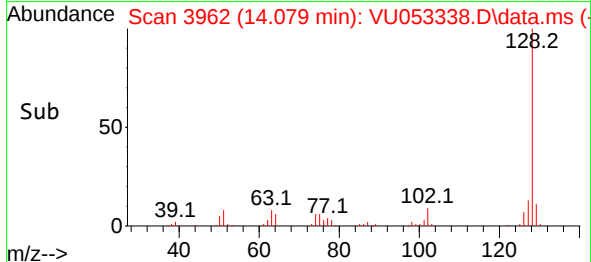
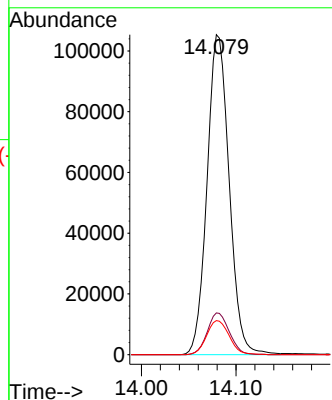
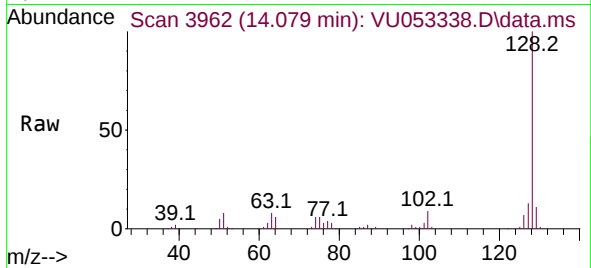




#71
Naphthalene
Concen: 47.312 ug/L
RT: 14.079 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD050170

Tgt Ion:128 Resp: 171395
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.008 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053338.D
Acq: 21 Mar 2023 20:41

Tgt Ion:180 Resp: 44856
Ion Ratio Lower Upper
180 100
182 94.6 76.7 115.1
145 35.7 28.6 42.8

