

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010722\
 Data File : VU046698.D
 Acq On : 07 Jan 2022 16:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050157

Quant Time: Jan 07 23:28:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 07 23:26:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	185414	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	183554	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100376	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	58112	35.917	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.840%
7) Chloroethane-d5	1.919	69	48849	40.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.280%
11) 1,1-Dichloroethene-d2	2.575	63	111187	40.404	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.800%
21) 2-Butanone-d5	4.649	46	119738	101.115	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.110%
24) Chloroform-d	5.067	84	123461	43.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.580%
26) 1,2-Dichloroethane-d4	5.707	65	79338	43.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.720%
32) Benzene-d6	5.729	84	238145	41.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.140%
36) 1,2-Dichloropropane-d6	6.694	67	72143	41.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.560%
41) Toluene-d8	7.899	98	218206	42.610	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.220%
43) trans-1,3-Dichloroprop...	8.179	79	37083	44.039	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.080%
47) 2-Hexanone-d5	8.636	63	96761	104.209	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.210%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	122986	45.434	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	92248	44.414	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	78734	46.095	ug/L	99
3) Chloromethane	1.523	50	71125	46.791	ug/L	98
5) Vinyl chloride	1.607	62	73821	46.855	ug/L	99
6) Bromomethane	1.864	94	47247	47.338	ug/L	98
8) Chloroethane	1.938	64	46607	48.875	ug/L	94
9) Trichlorofluoromethane	2.144	101	111044	47.885	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	61239	46.955	ug/L	99
12) 1,1-Dichloroethene	2.584	96	57772	47.043	ug/L	98
13) Acetone	2.671	43	90537	80.337	ug/L	62
14) Carbon disulfide	2.800	76	159957	43.818	ug/L	99
15) Methyl Acetate	2.964	43	76052	52.835	ug/L	99
16) Methylene chloride	3.051	84	67741	44.780	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	60807	47.360	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	201447	52.808	ug/L	100
19) 1,1-Dichloroethane	3.877	63	113162	48.326	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	69565	50.555	ug/L	98
22) 2-Butanone	4.726	43	124611	96.991	ug/L	97
23) Bromochloromethane	4.977	128	36405	49.494	ug/L	96
25) Chloroform	5.092	83	124442	48.654	ug/L	99

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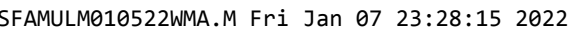
Instrument :
 MSVOA_U
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 VSTD050157

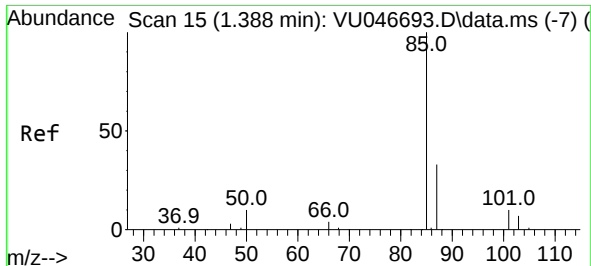
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	96810	49.265	ug/L	98
29) Cyclohexane	5.391	56	94386	48.373	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	108434	48.292	ug/L	99
31) Carbon tetrachloride	5.530	117	93078	47.855	ug/L	97
33) Benzene	5.777	78	264256	48.401	ug/L	100
34) Trichloroethene	6.546	95	68029	47.505	ug/L	99
35) Methylcyclohexane	6.768	83	106834	48.040	ug/L	99
37) 1,2-Dichloropropane	6.793	63	66125	47.332	ug/L	99
38) Bromodichloromethane	7.108	83	92684	48.241	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	105115	48.896	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	206711	108.232	ug/L	99
42) Toluene	7.970	91	288960	50.183	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	103516	49.633	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	70407	49.323	ug/L	98
46) Tetrachloroethene	8.555	164	52624	48.434	ug/L	99
48) 2-Hexanone	8.687	43	171455	105.914	ug/L	99
49) Dibromochloromethane	8.813	129	76021	48.491	ug/L	99
50) 1,2-Dibromoethane	8.925	107	76494	51.410	ug/L	100
51) Chlorobenzene	9.449	112	185433	49.545	ug/L	99
52) Ethylbenzene	9.571	91	311967	51.069	ug/L	100
53) m,p-Xylene	9.694	106	124910	52.945	ug/L	97
54) o-xylene	10.102	106	120838	53.563	ug/L	100
55) Styrene	10.115	104	213767	54.146	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	124598	49.908	ug/L	98
59) Bromoform	10.292	173	59534	48.808	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	104258	49.359	ug/L	100
61) Isopropylbenzene	10.485	105	321012	52.355	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	276139	53.575	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	279075	54.341	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	154450	50.256	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	156398	48.840	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	153712	49.763	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	31276	49.464	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	118594	50.383	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	104823	52.096	ug/L	99
71) Naphthalene	14.086	128	370995	56.691	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	107916	53.077	ug/L	98

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

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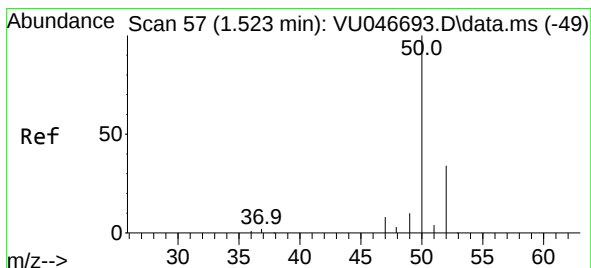
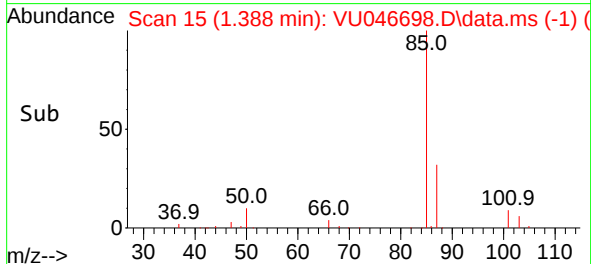
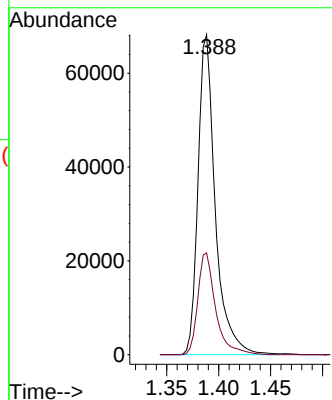
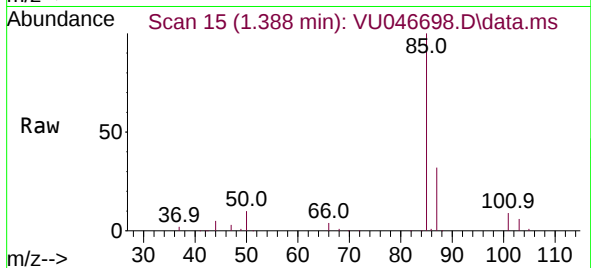




#2
Dichlorodifluoromethane
Concen: 46.095 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

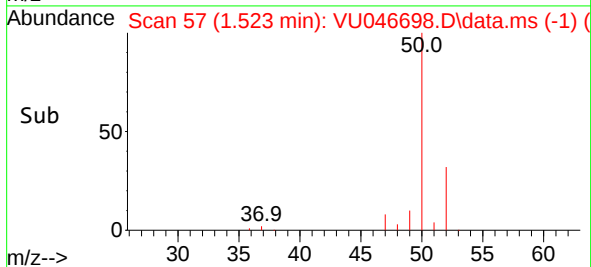
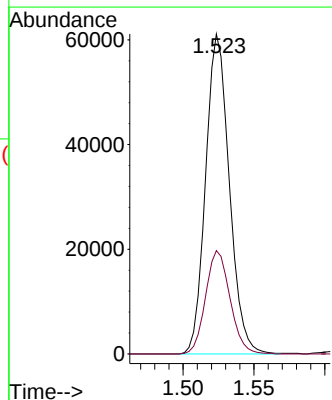
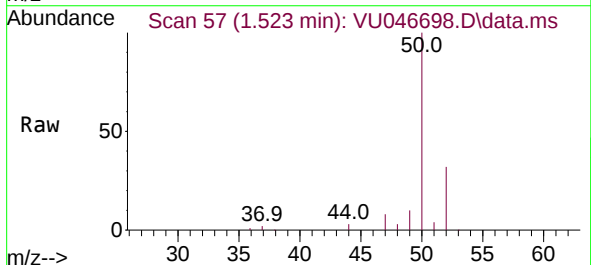
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

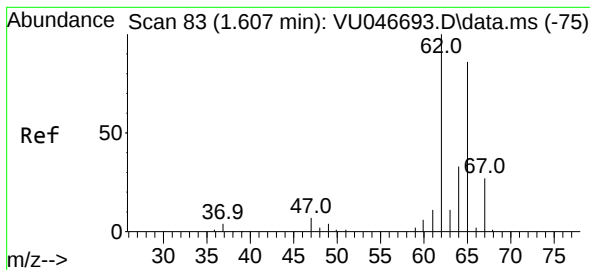
Tgt Ion: 85 Resp: 78734
Ion Ratio Lower Upper
85 100
87 32.7 25.6 38.4



#3
Chloromethane
Concen: 46.791 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 50 Resp: 71125
Ion Ratio Lower Upper
50 100
52 32.3 23.2 43.2





#5

Vinyl chloride

Concen: 46.855 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

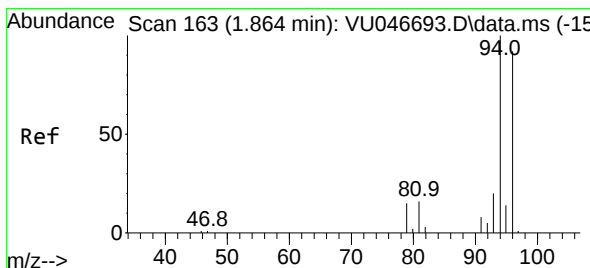
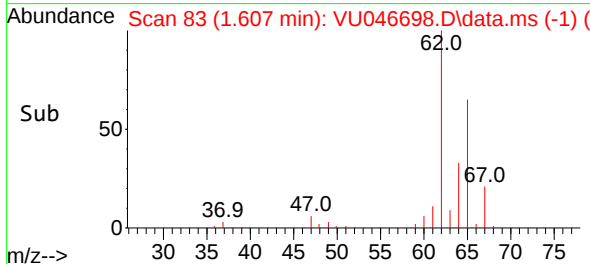
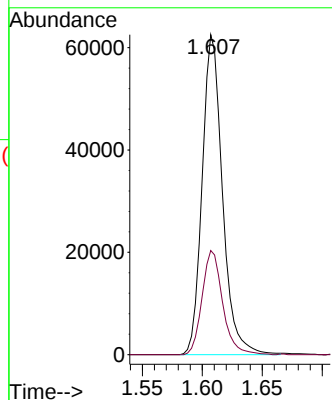
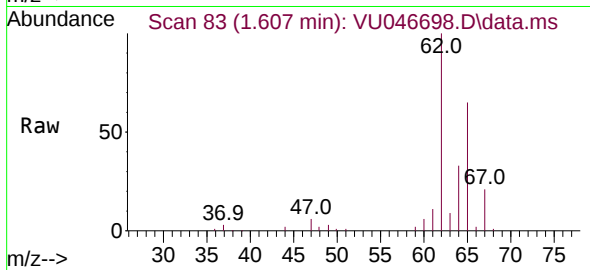
VSTD050157

Tgt Ion: 62 Resp: 73821

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



#6

Bromomethane

Concen: 47.338 ug/L

RT: 1.864 min Scan# 163

Delta R.T. 0.000 min

Lab File: VU046698.D

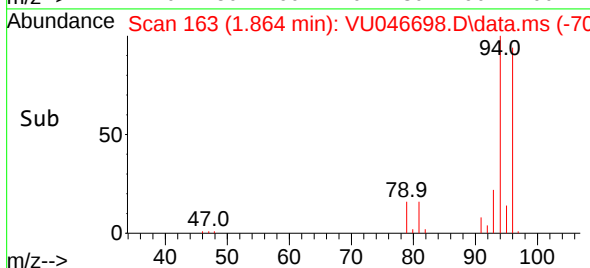
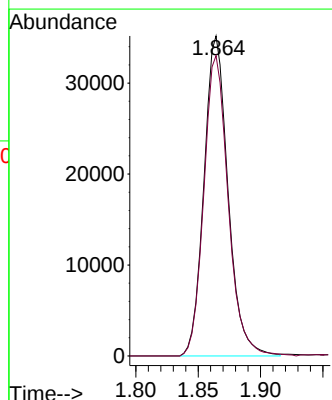
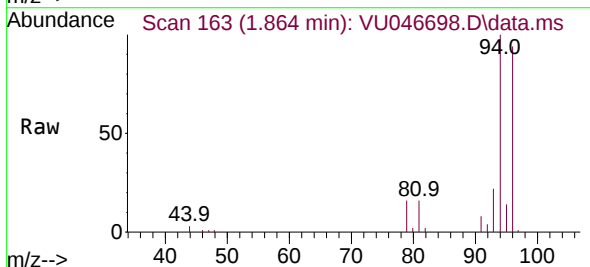
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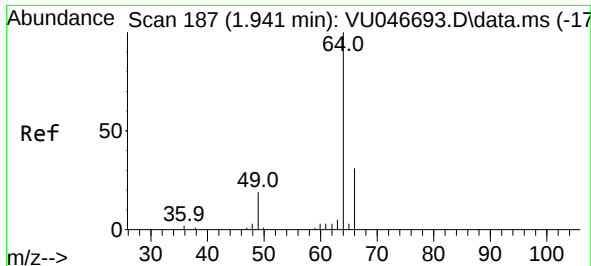
Tgt Ion: 94 Resp: 47247

Ion Ratio Lower Upper

94 100

96 93.9 64.4 119.6

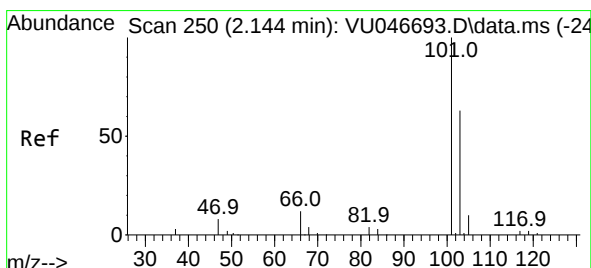
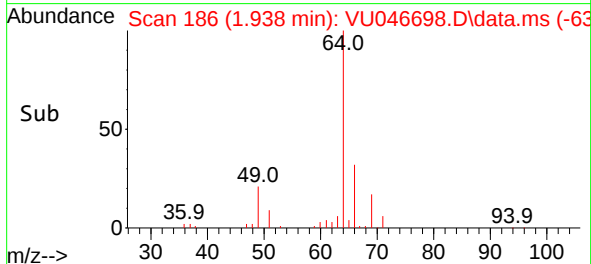
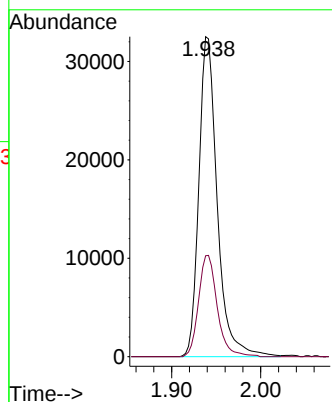
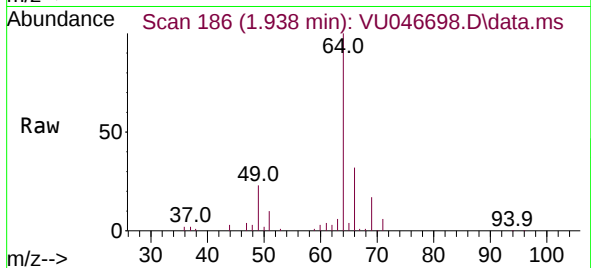




#8
Chloroethane
Concen: 48.875 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

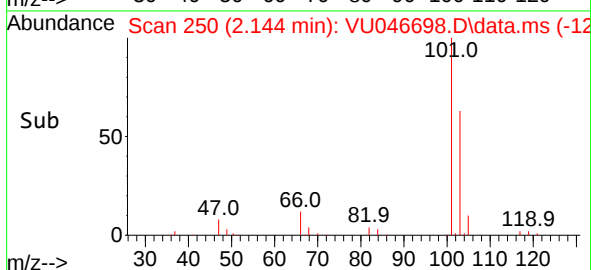
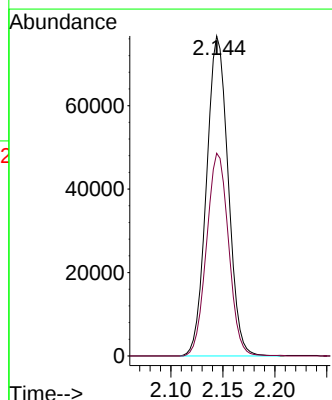
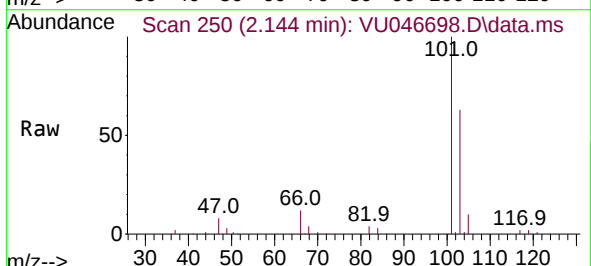
Instrument :
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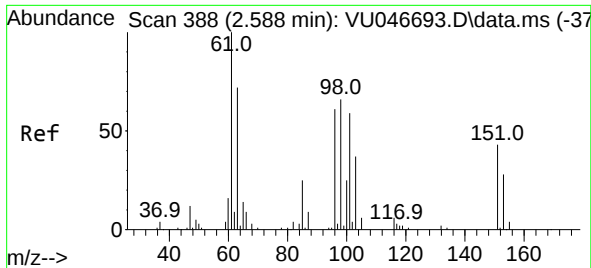
Tgt Ion: 64 Resp: 46607
Ion Ratio Lower Upper
64 100
66 31.5 24.4 45.2



#9
Trichlorofluoromethane
Concen: 47.885 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion:101 Resp: 111044
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

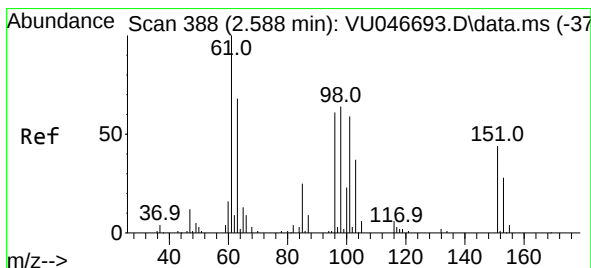
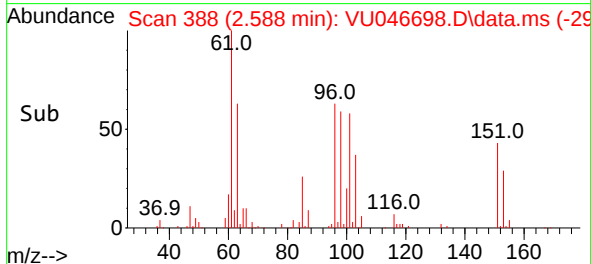
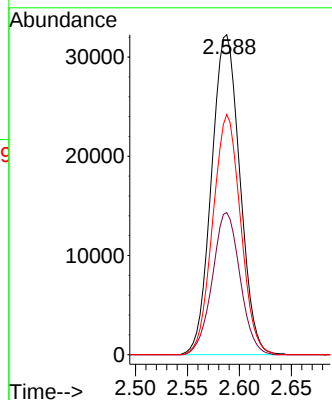
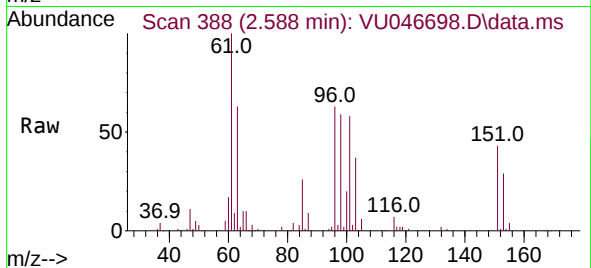




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.955 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

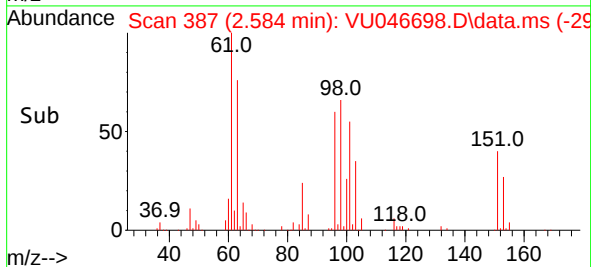
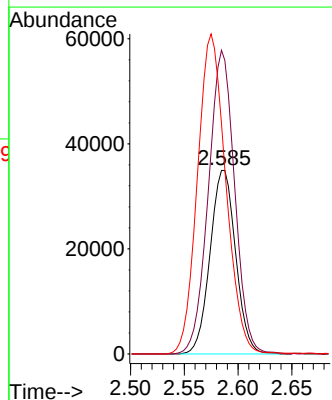
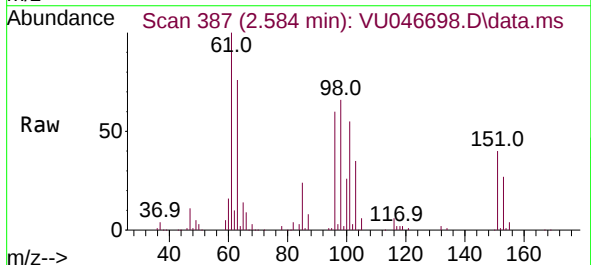
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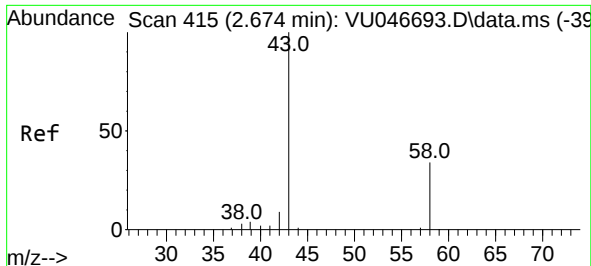
Tgt Ion:101 Resp: 61239
Ion Ratio Lower Upper
101 100
85 43.4 34.9 52.3
151 73.7 58.3 87.5



#12
1,1-Dichloroethene
Concen: 47.043 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 96 Resp: 57772
Ion Ratio Lower Upper
96 100
61 165.4 114.9 213.3
63 125.6 86.0 159.8





#13

Acetone

Concen: 80.337 ug/L

RT: 2.671 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

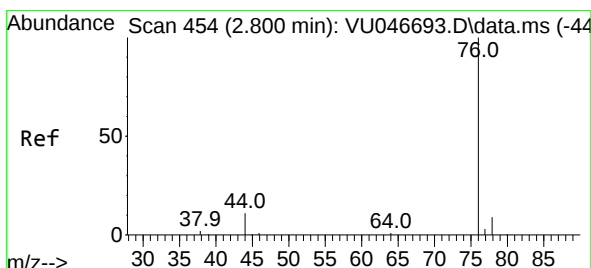
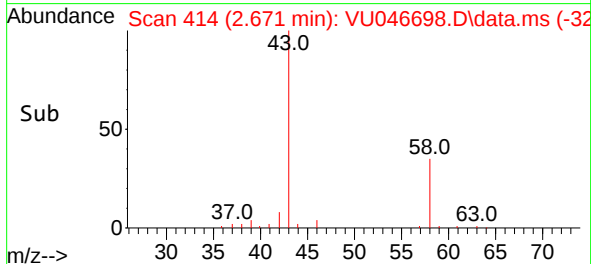
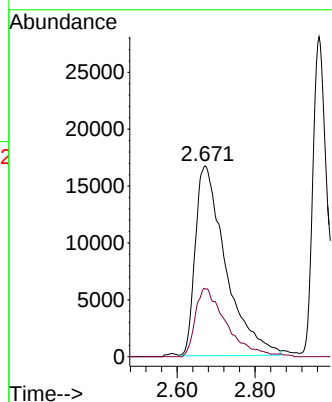
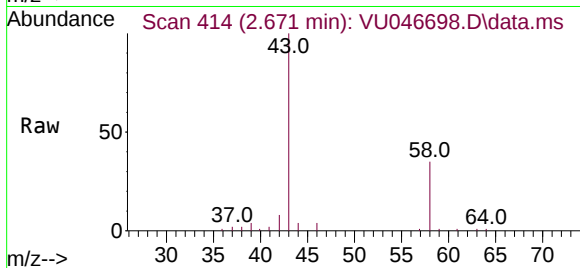
VSTD050157

Tgt Ion: 43 Resp: 90537

Ion Ratio Lower Upper

43 100

58 13.1 0.0 71.0



#14

Carbon disulfide

Concen: 43.818 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046698.D

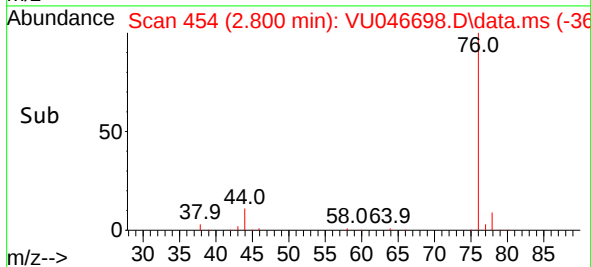
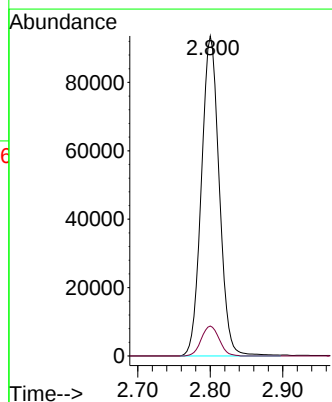
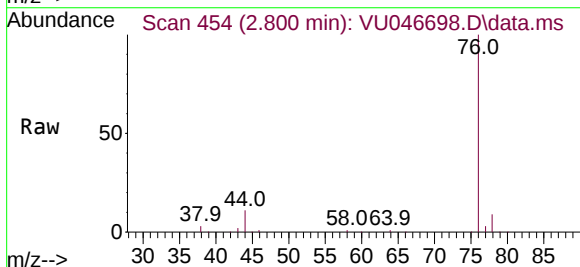
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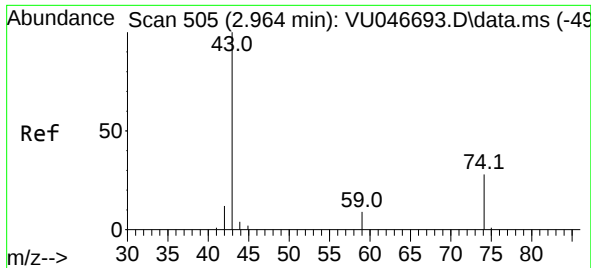
Tgt Ion: 76 Resp: 159957

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

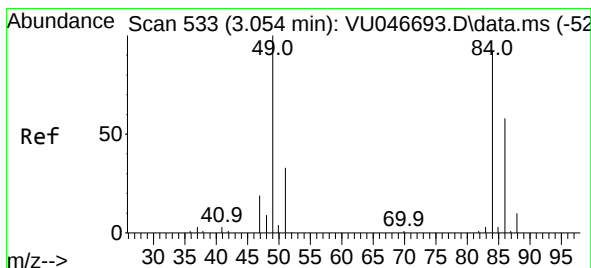
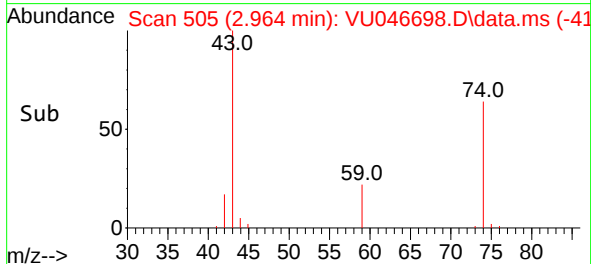
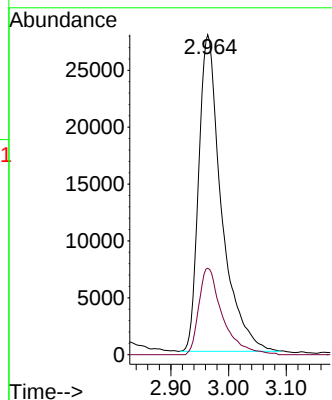
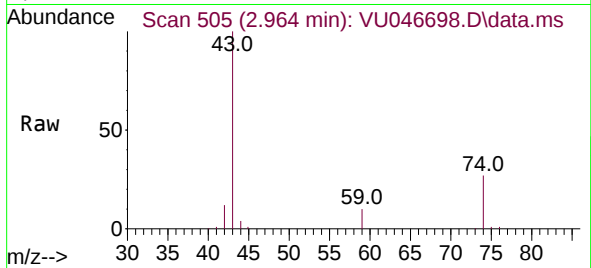




#15
Methyl Acetate
Concen: 52.835 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

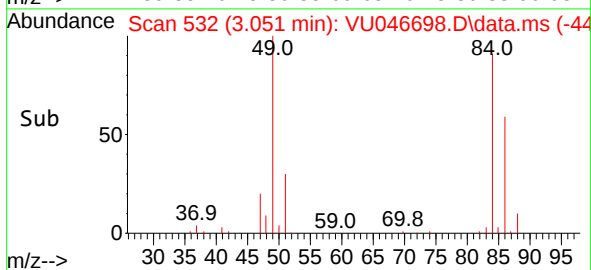
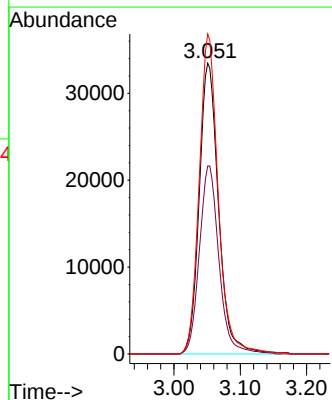
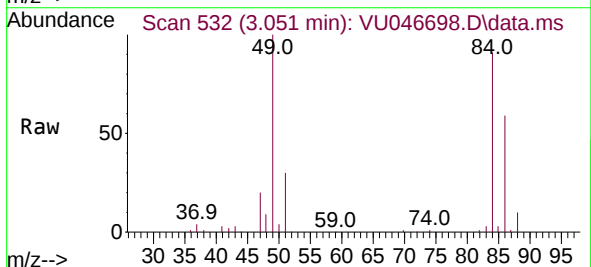
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

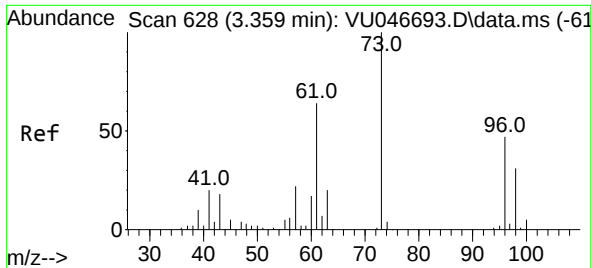
Tgt Ion: 43 Resp: 76052
Ion Ratio Lower Upper
43 100
74 28.4 22.3 33.5



#16
Methylene chloride
Concen: 44.780 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 84 Resp: 67741
Ion Ratio Lower Upper
84 100
86 64.7 44.7 82.9
49 110.1 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 47.360 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

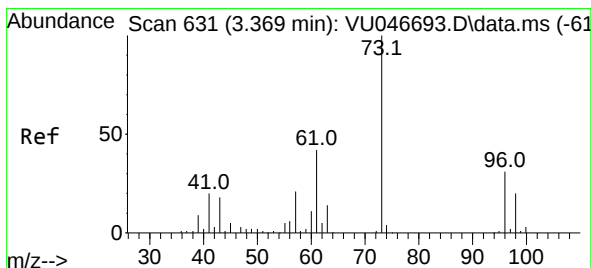
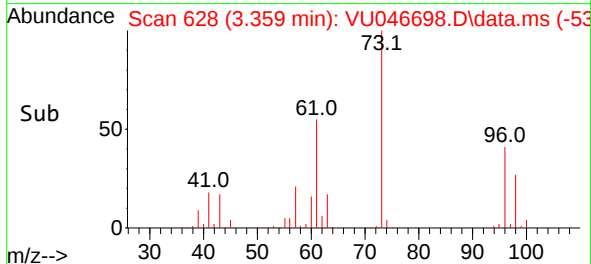
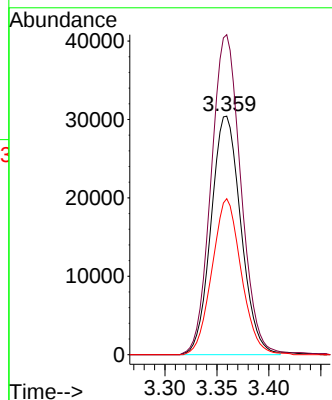
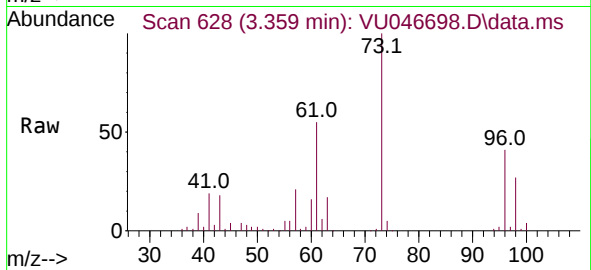
Tgt Ion: 96 Resp: 60807

Ion Ratio Lower Upper

96 100

61 134.1 92.5 171.9

98 65.4 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 52.808 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

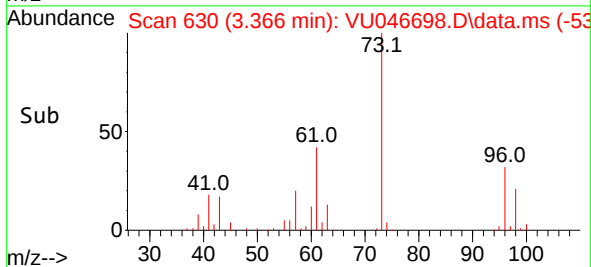
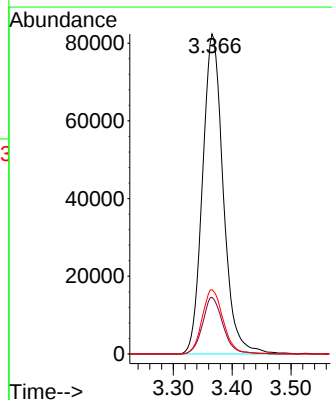
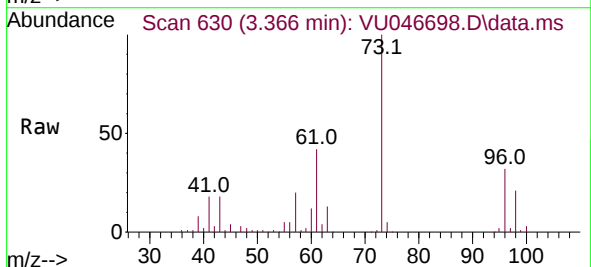
Tgt Ion: 73 Resp: 201447

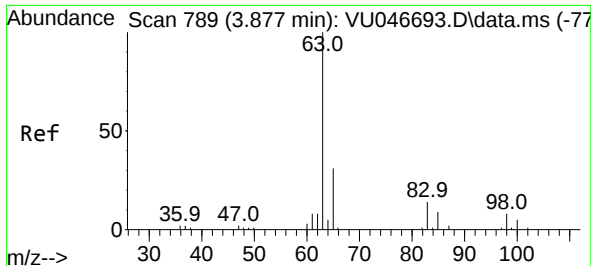
Ion Ratio Lower Upper

73 100

43 17.4 14.1 21.1

57 20.5 16.4 24.6





#19

1,1-Dichloroethane

Concen: 48.326 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

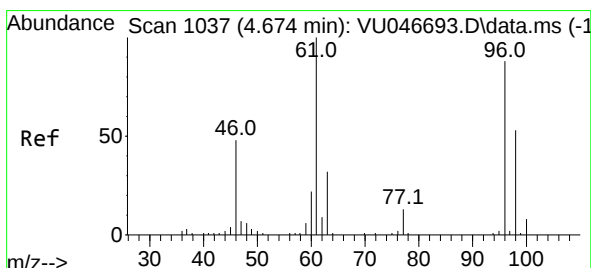
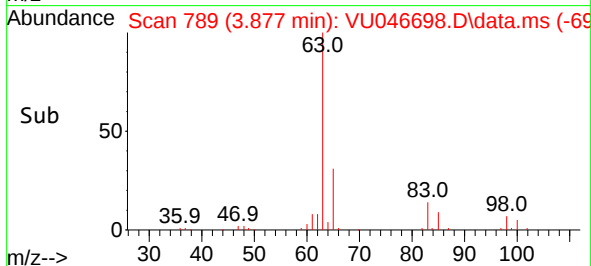
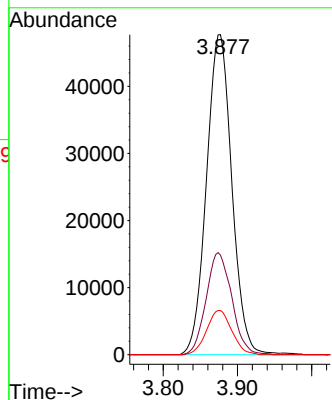
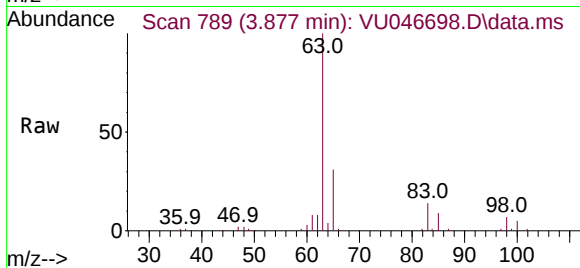
Tgt Ion: 63 Resp: 113162

Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 13.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 50.555 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

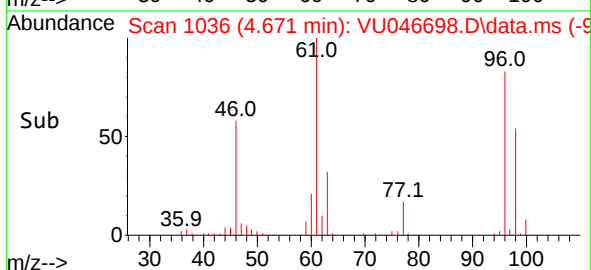
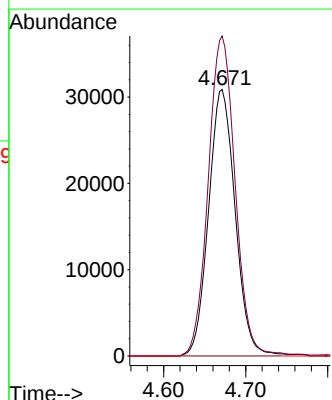
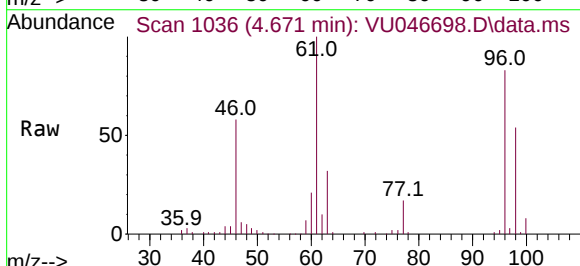
Tgt Ion: 96 Resp: 69565

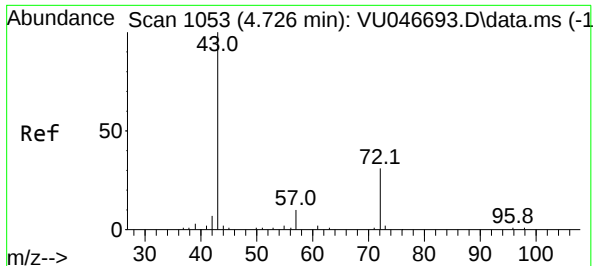
Ion Ratio Lower Upper

96 100

61 120.1 86.0 159.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.991 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

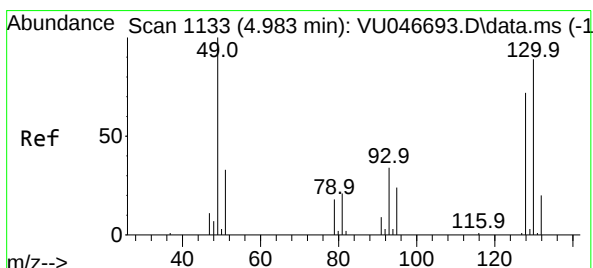
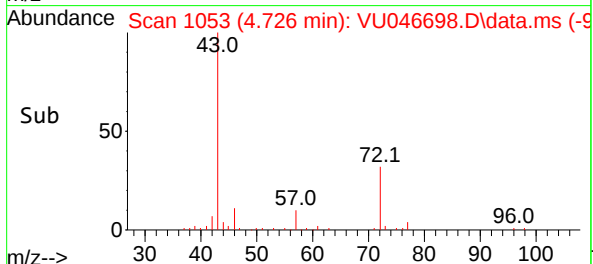
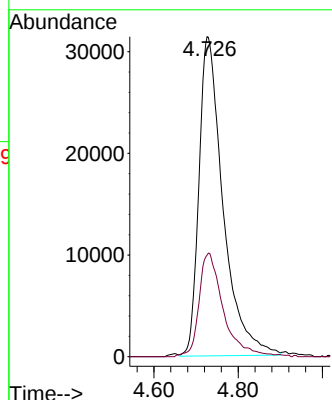
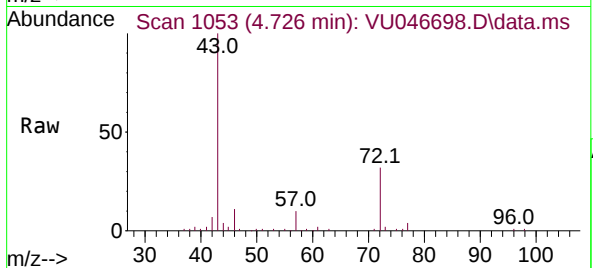
VSTD050157

Tgt Ion: 43 Resp: 124611

Ion Ratio Lower Upper

43 100

72 32.6 15.6 46.8



#23

Bromochloromethane

Concen: 49.494 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Tgt Ion: 128 Resp: 36405

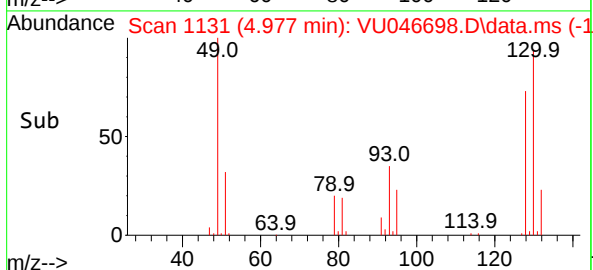
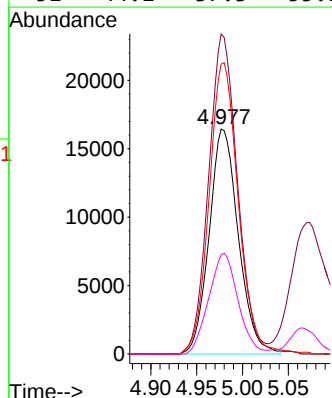
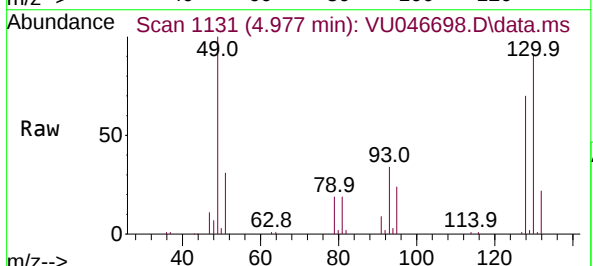
Ion Ratio Lower Upper

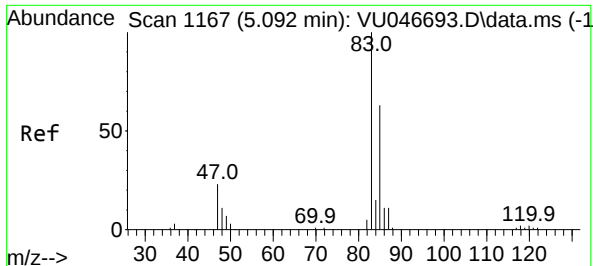
128 100

49 142.2 105.4 195.8

130 128.8 88.7 164.7

51 44.1 37.3 55.9





#25

Chloroform

Concen: 48.654 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

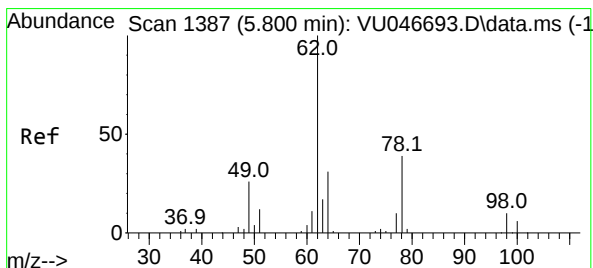
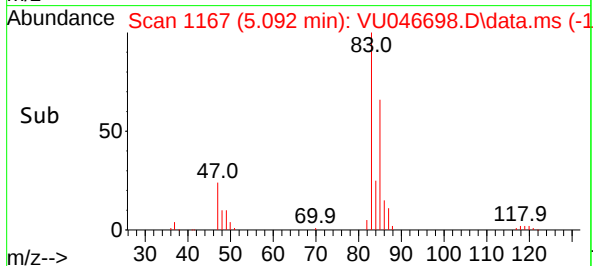
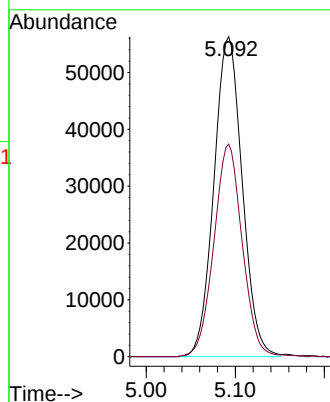
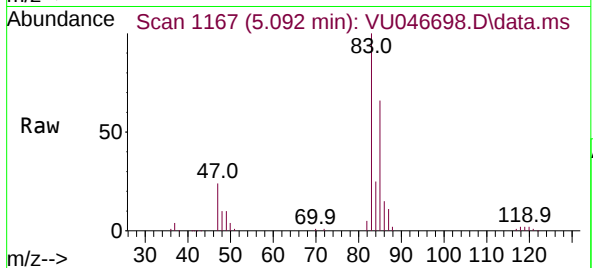
VSTD050157

Tgt Ion: 83 Resp: 124442

Ion Ratio Lower Upper

83 100

85 66.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 49.265 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046698.D

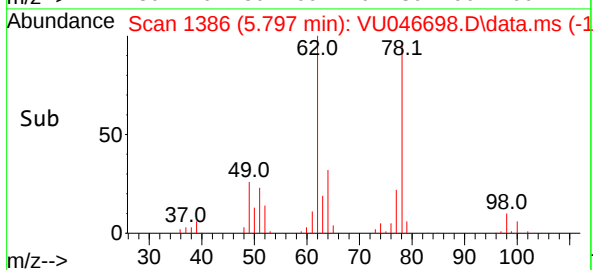
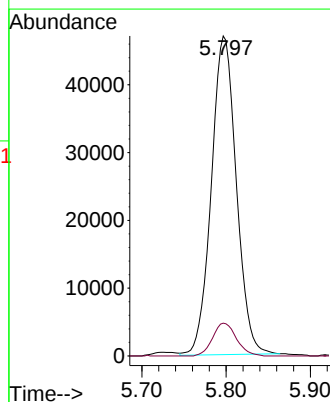
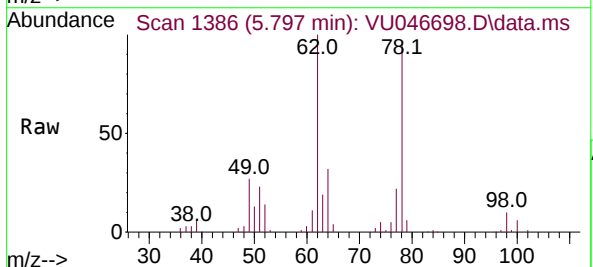
Acq: 07 Jan 2022 16:51

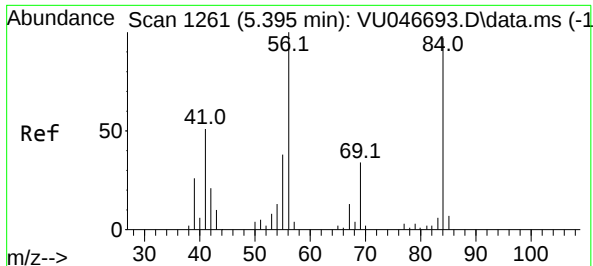
Tgt Ion: 62 Resp: 96810

Ion Ratio Lower Upper

62 100

98 10.3 7.7 11.5





#29

Cyclohexane

Concen: 48.373 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

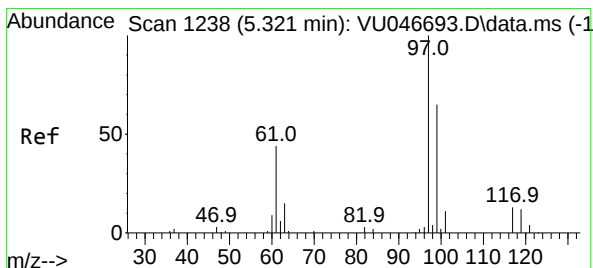
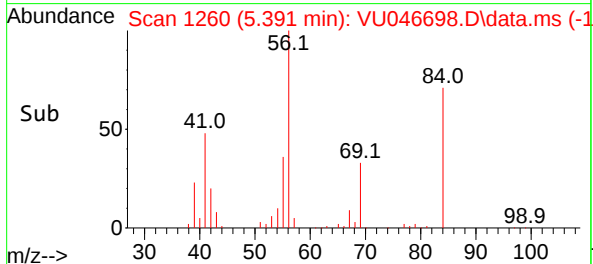
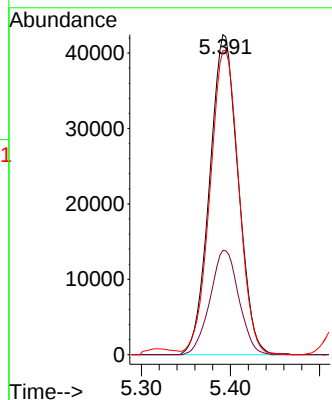
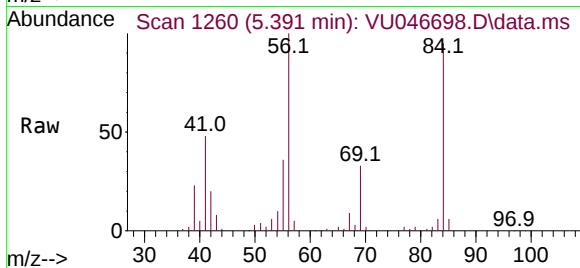
Tgt Ion: 56 Resp: 94386

Ion Ratio Lower Upper

56 100

69 32.8 25.8 38.6

84 95.9 74.2 111.2



#30

1,1,1-Trichloroethane

Concen: 48.292 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

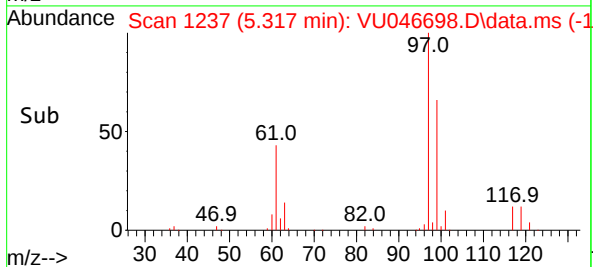
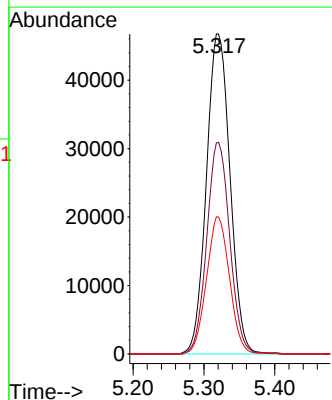
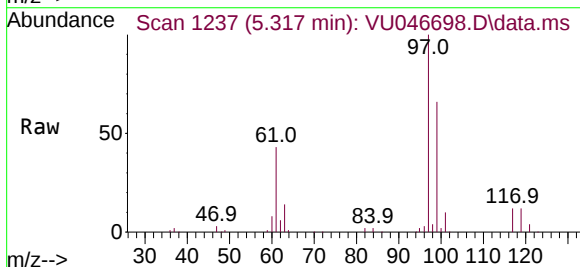
Tgt Ion: 97 Resp: 108434

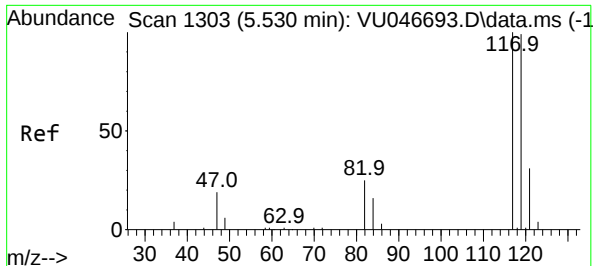
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 41.6 34.1 51.1

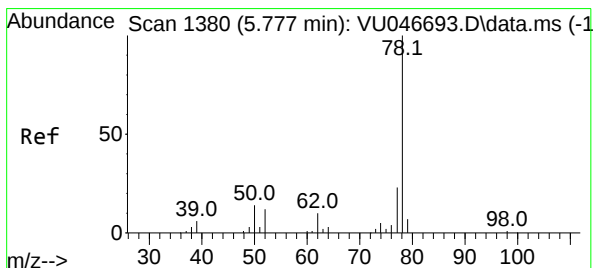
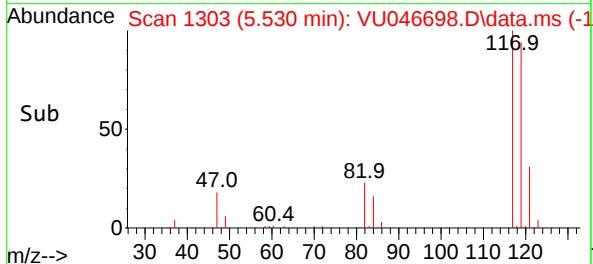
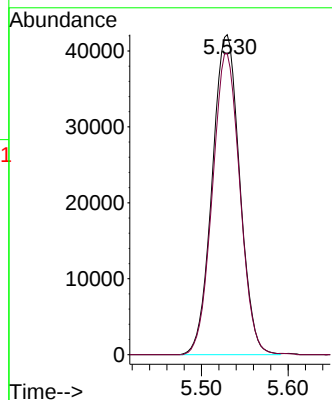
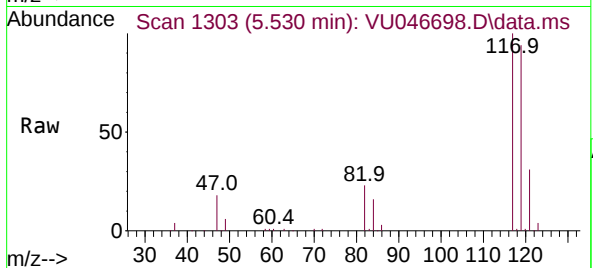




#31
Carbon tetrachloride
Concen: 47.855 ug/L
RT: 5.530 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

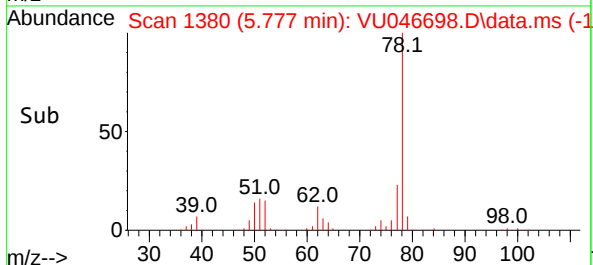
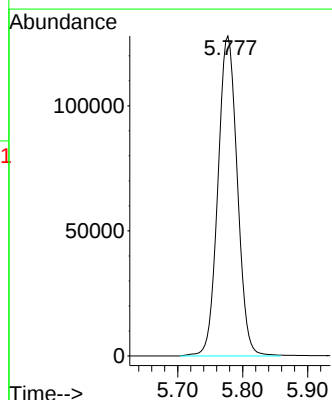
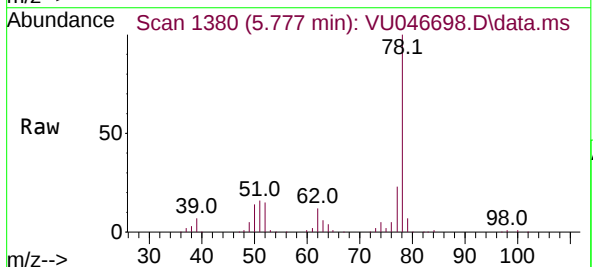
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

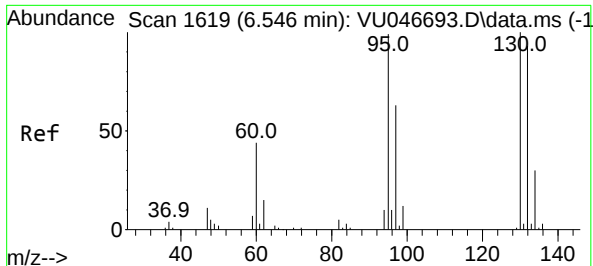
Tgt Ion:117 Resp: 93078
Ion Ratio Lower Upper
117 100
119 93.7 77.5 116.3



#33
Benzene
Concen: 48.401 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 78 Resp: 264256

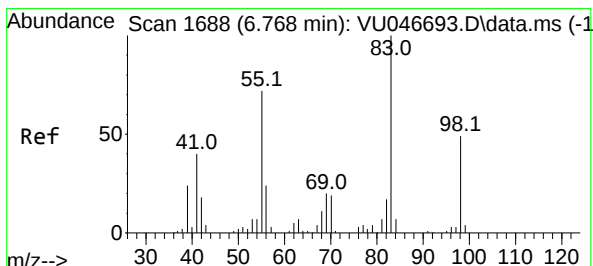
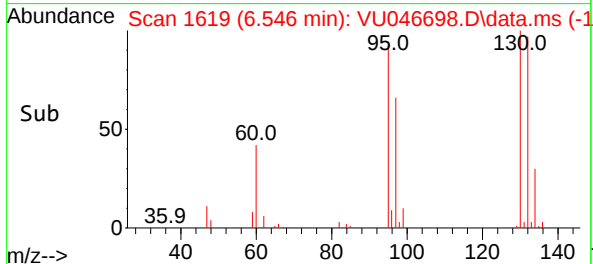
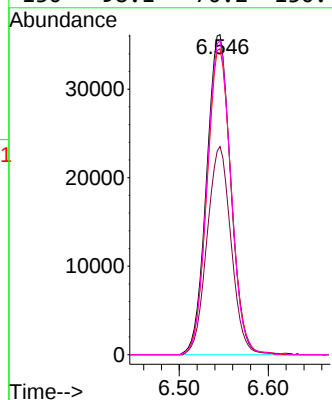
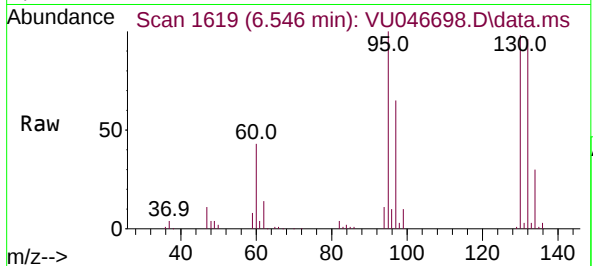




#34
Trichloroethene
Concen: 47.505 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

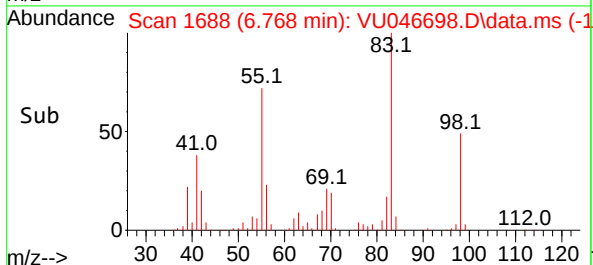
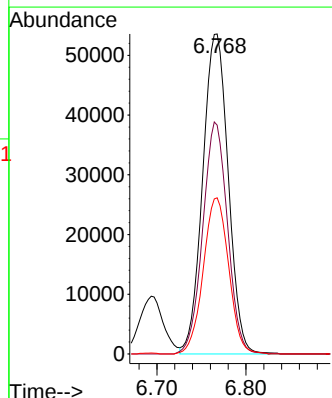
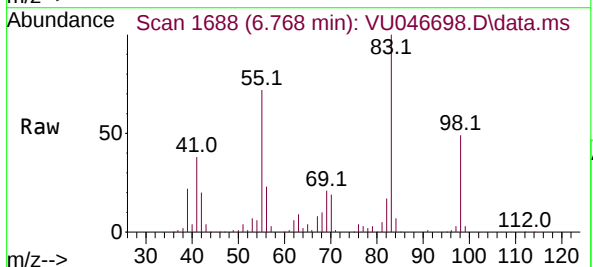
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

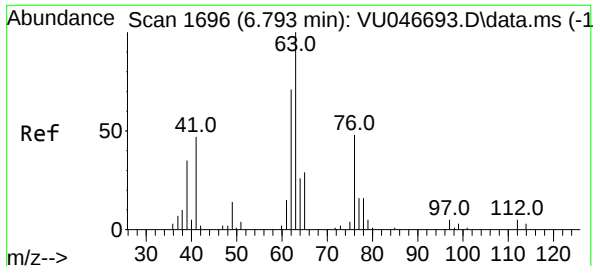
Tgt Ion: 95 Resp: 68029
Ion Ratio Lower Upper
95 100
97 65.1 45.1 83.7
132 95.6 66.7 123.9
130 98.1 70.2 130.4



#35
Methylcyclohexane
Concen: 48.040 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 83 Resp: 106834
Ion Ratio Lower Upper
83 100
55 70.1 56.6 85.0
98 48.5 38.4 57.6

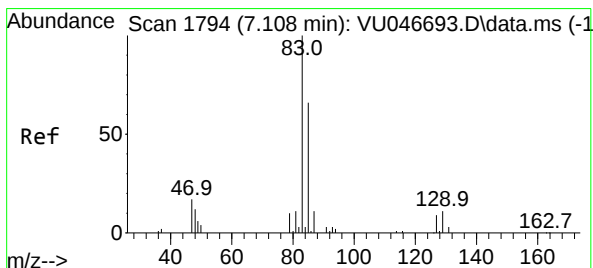
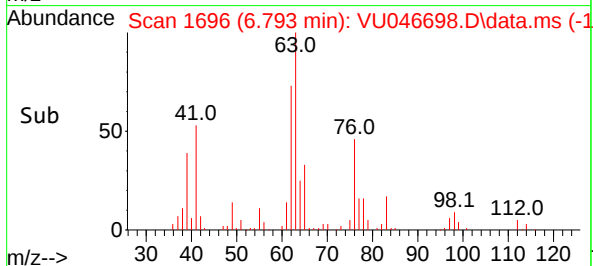
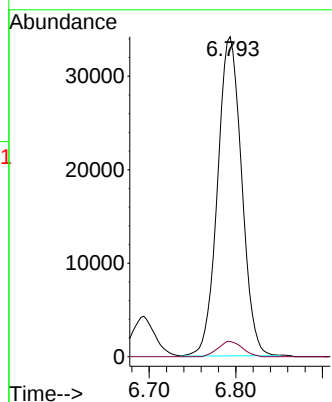
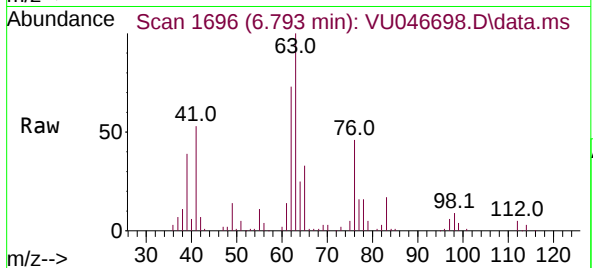




#37
1,2-Dichloropropane
Concen: 47.332 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

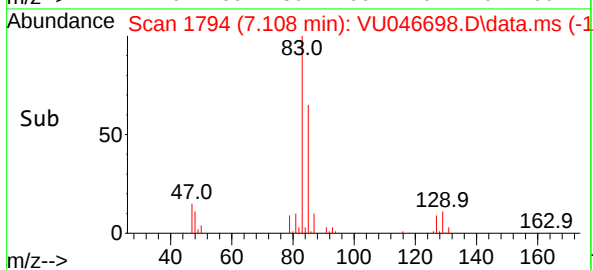
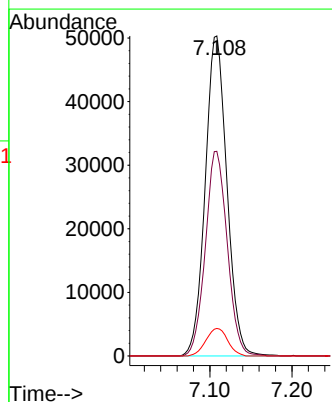
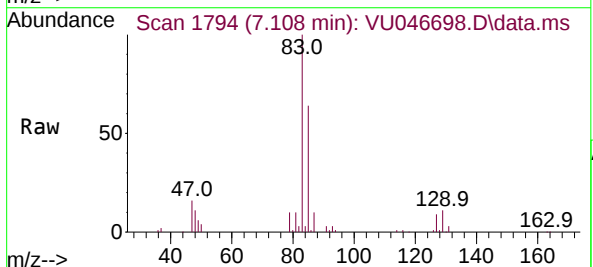
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

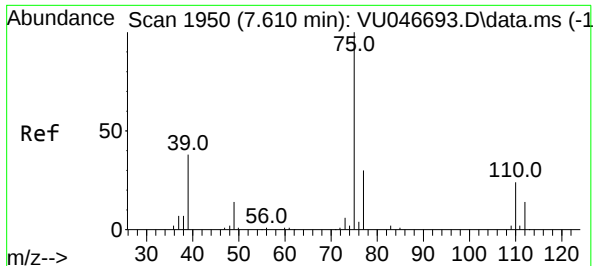
Tgt Ion: 63 Resp: 66125
Ion Ratio Lower Upper
63 100
112 4.8 3.7 5.5



#38
Bromodichloromethane
Concen: 48.241 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 83 Resp: 92684
Ion Ratio Lower Upper
83 100
85 63.9 45.0 83.6
127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 48.896 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

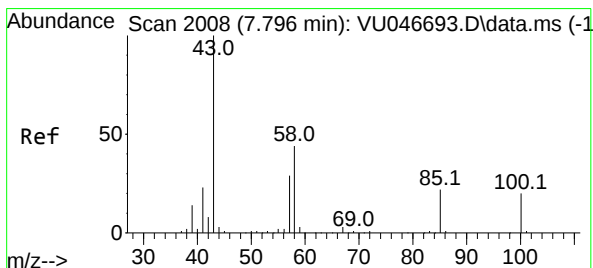
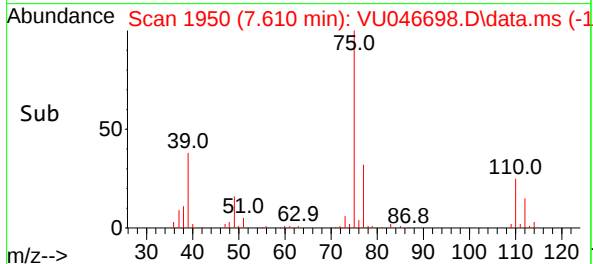
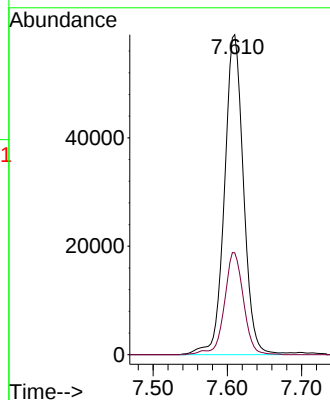
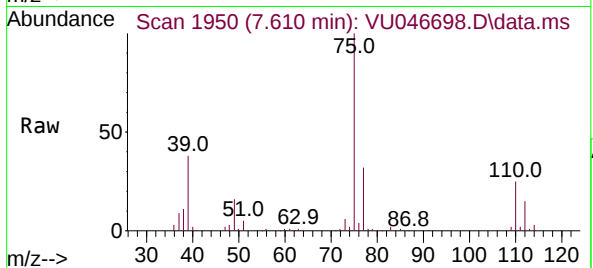
VSTD050157

Tgt Ion: 75 Resp: 105115

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 108.232 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

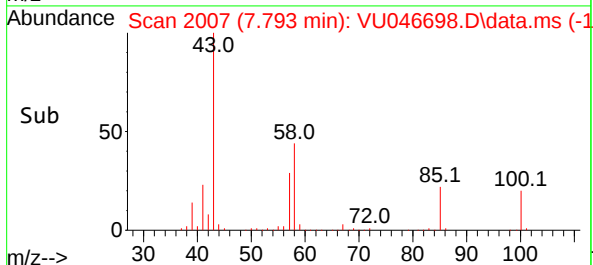
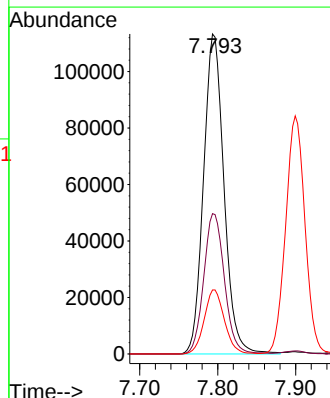
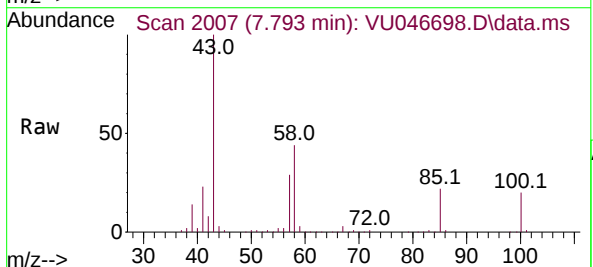
Tgt Ion: 43 Resp: 206711

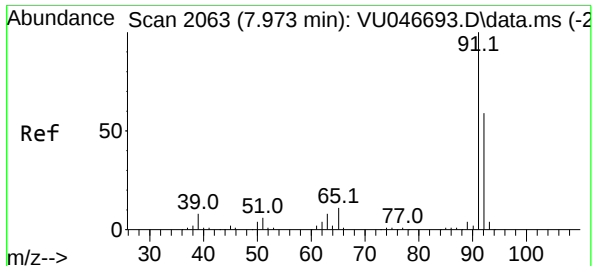
Ion Ratio Lower Upper

43 100

58 44.3 35.8 53.8

100 19.7 15.7 23.5





#42

Toluene

Concen: 50.183 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

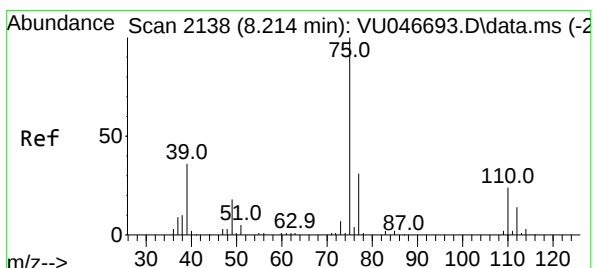
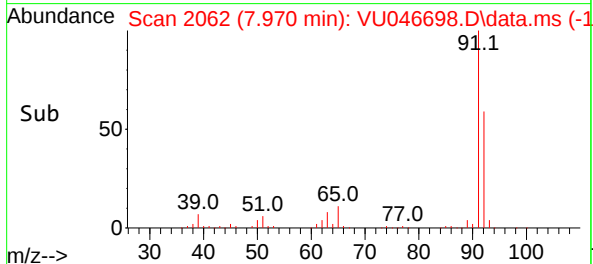
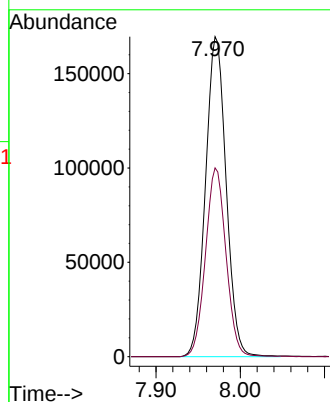
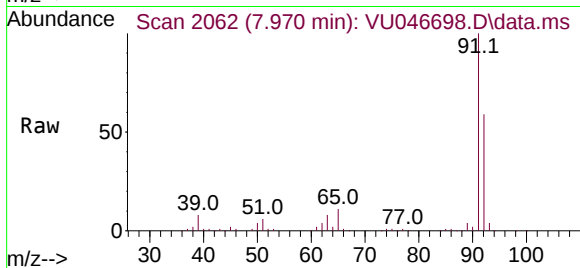
VSTD050157

Tgt Ion: 91 Resp: 288960

Ion Ratio Lower Upper

91 100

92 59.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 49.633 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046698.D

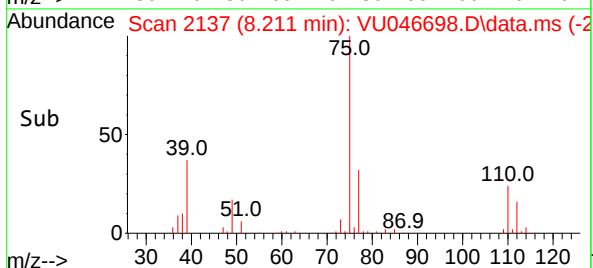
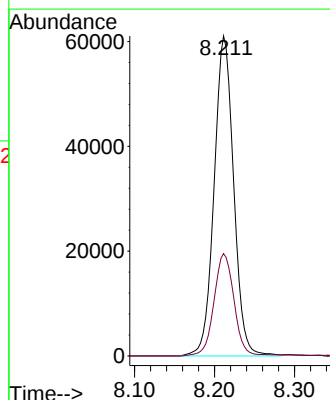
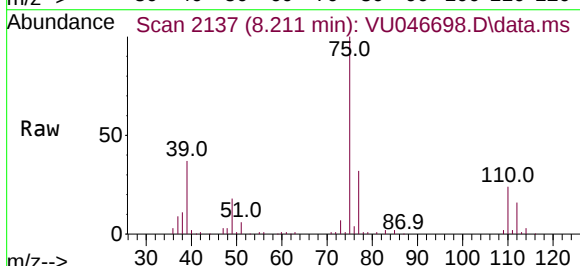
Acq: 07 Jan 2022 16:51

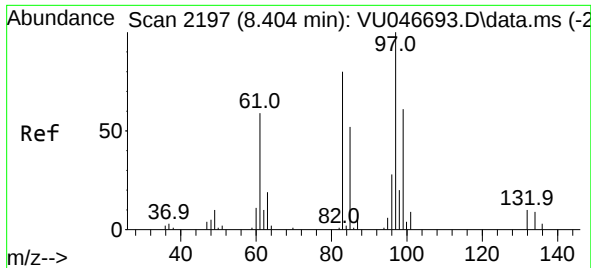
Tgt Ion: 75 Resp: 103516

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8



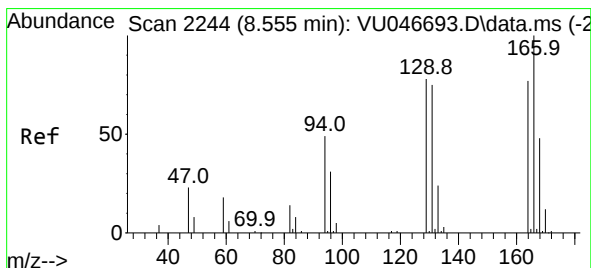
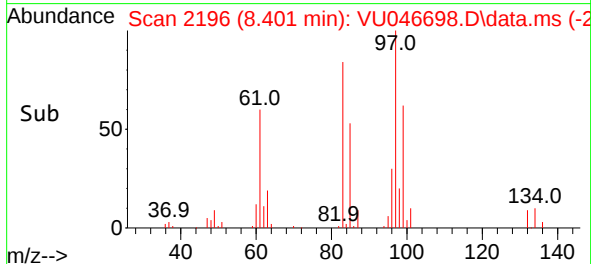
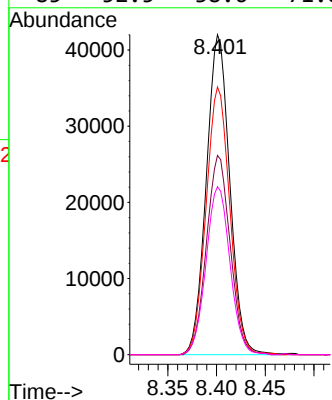
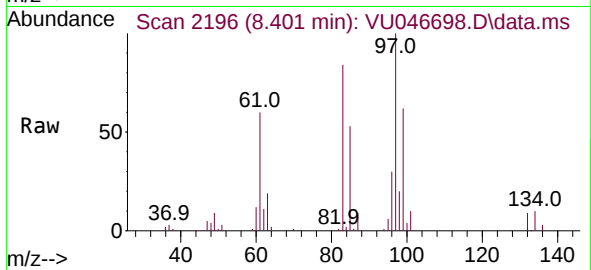


#45
1,1,2-Trichloroethane
Concen: 49.323 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

Tgt Ion: 97 Resp: 70407

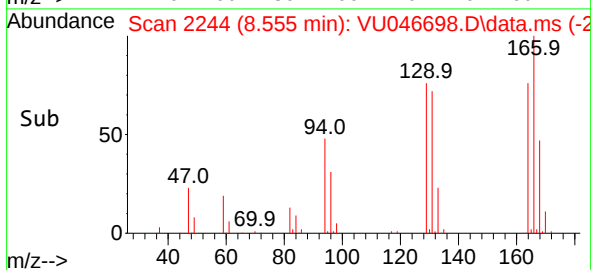
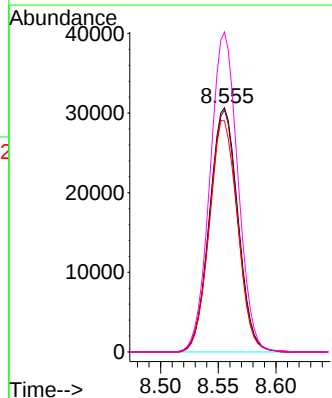
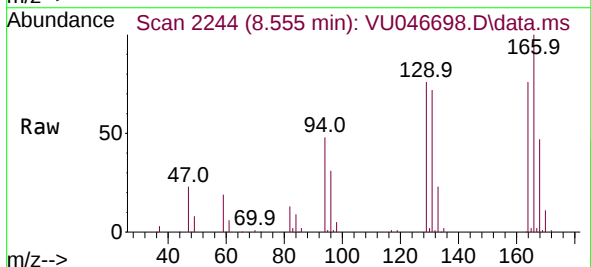
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.4	78.8
83	83.6	59.4	110.4
85	52.5	38.6	71.8

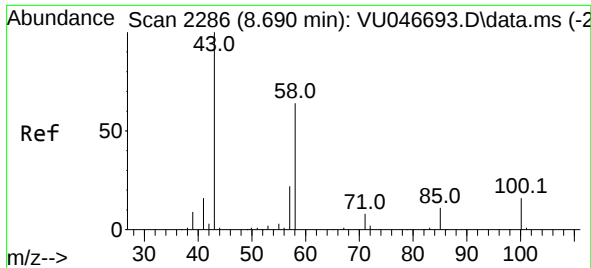


#46
Tetrachloroethene
Concen: 48.434 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 164 Resp: 52624

Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.5	129.1
131	94.7	67.0	124.4
166	131.1	90.6	168.2

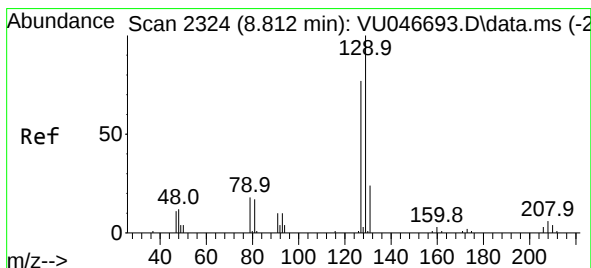
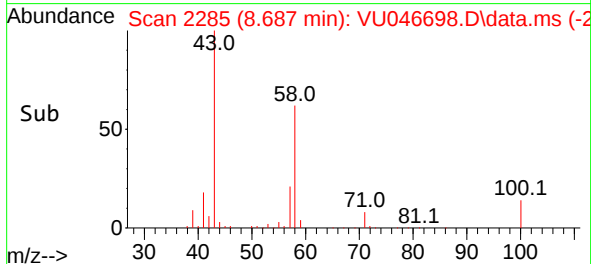
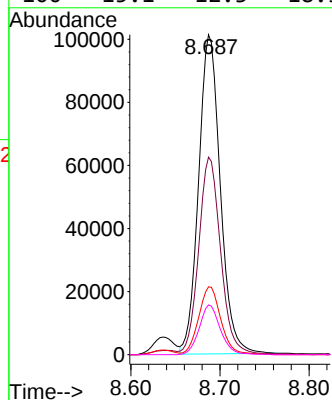
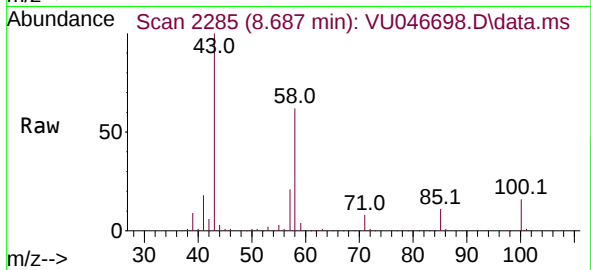




#48
2-Hexanone
Concen: 105.914 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

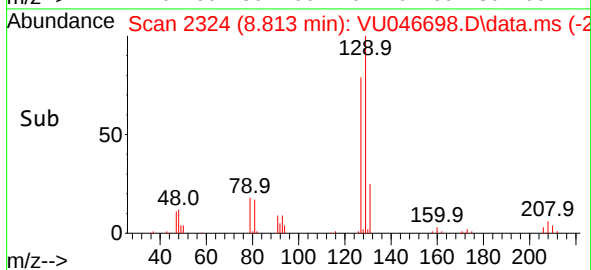
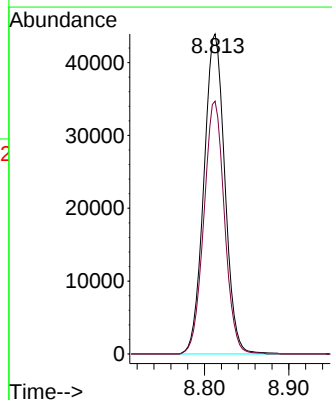
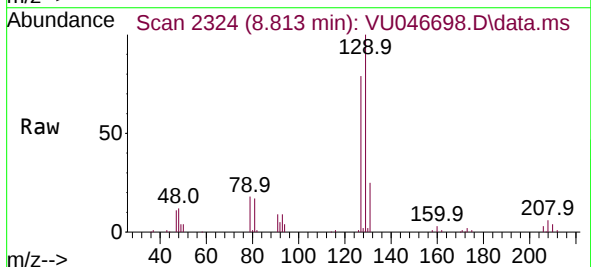
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

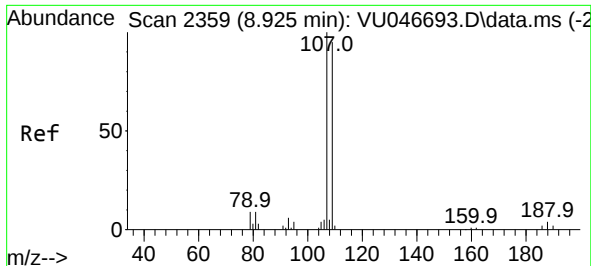
Tgt Ion: 43	Resp: 171455
Ion Ratio	Lower Upper
43 100	
58 62.9	49.4 74.2
57 21.8	17.5 26.3
100 15.1	12.3 18.5



#49
Dibromochloromethane
Concen: 48.491 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion:129	Resp:	76021	
Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.5	101.3





#50

1,2-Dibromoethane

Concen: 51.410 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

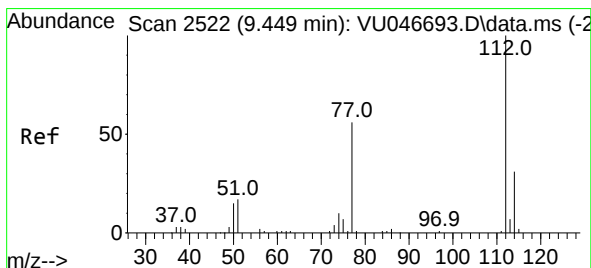
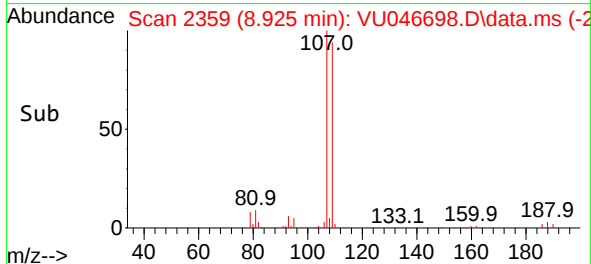
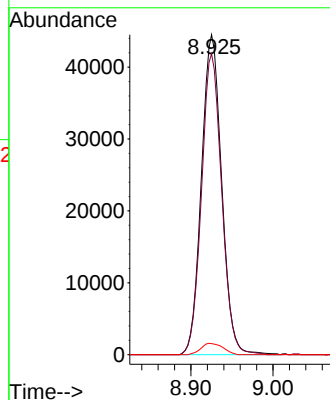
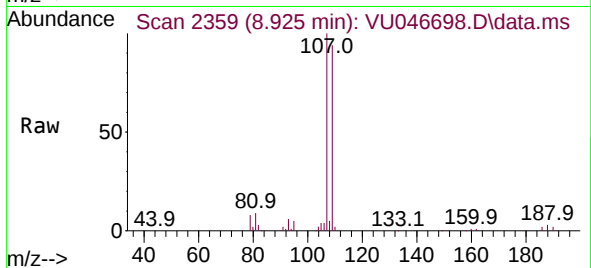
Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

Tgt Ion:107	Resp:	76494
Ion Ratio	Lower	Upper
107	100	
109	94.1	65.6 121.8
188	3.5	3.1 4.7



#51

Chlorobenzene

Concen: 49.545 ug/L

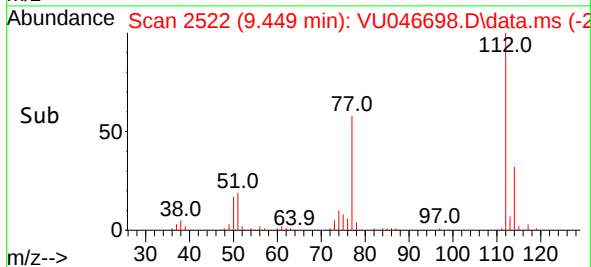
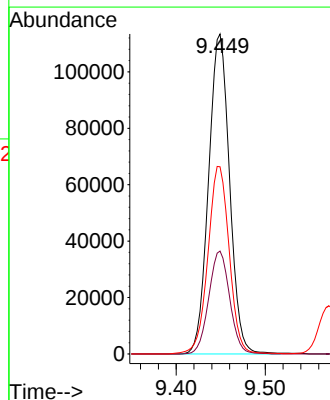
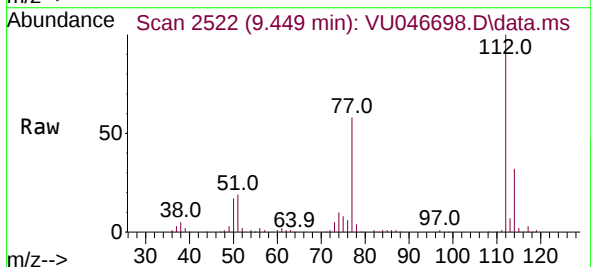
RT: 9.449 min Scan# 2522

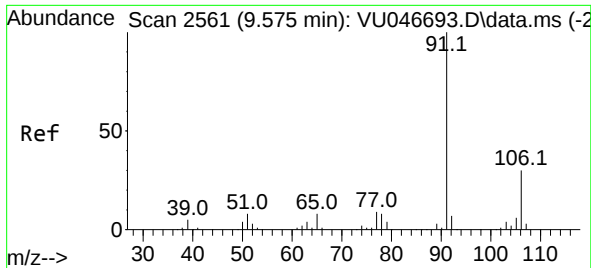
Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Tgt Ion:112	Resp:	185433
Ion Ratio	Lower	Upper
112	100	
114	32.2	22.1 41.1
77	58.5	46.5 69.7

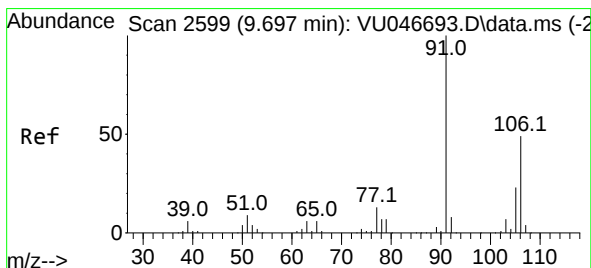
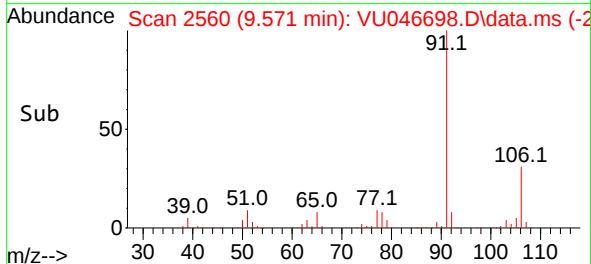
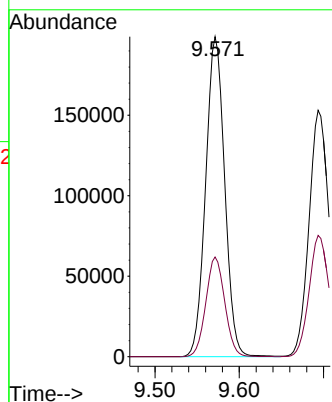
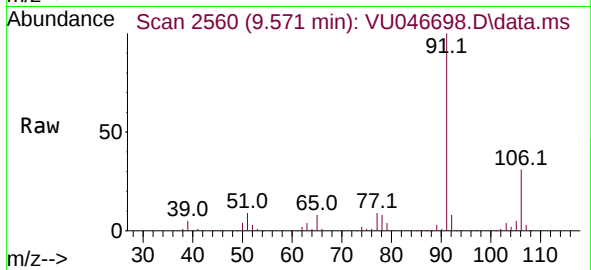




#52
Ethylbenzene
Concen: 51.069 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

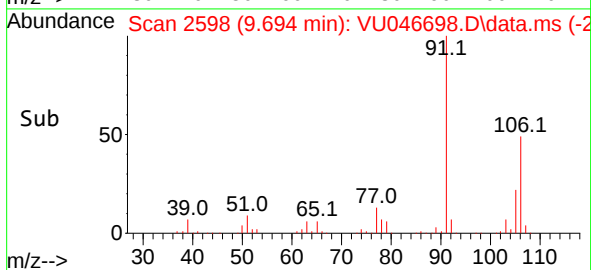
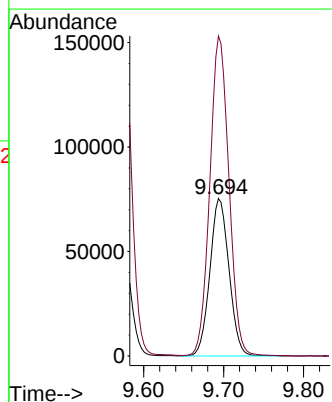
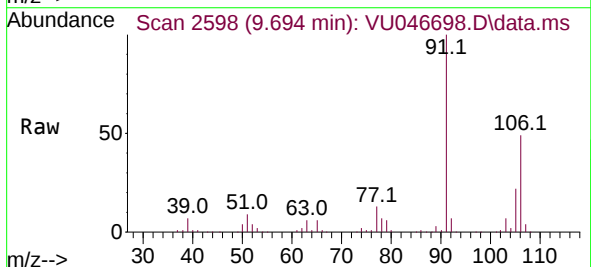
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

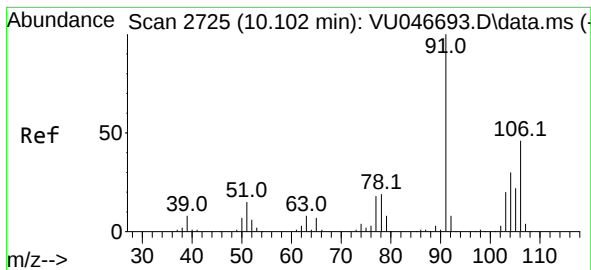
Tgt Ion: 91 Resp: 311967
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



#53
m,p-Xylene
Concen: 52.945 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 106 Resp: 124910
Ion Ratio Lower Upper
106 100
91 203.3 145.5 270.1





#54

o-xylene

Concen: 53.563 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

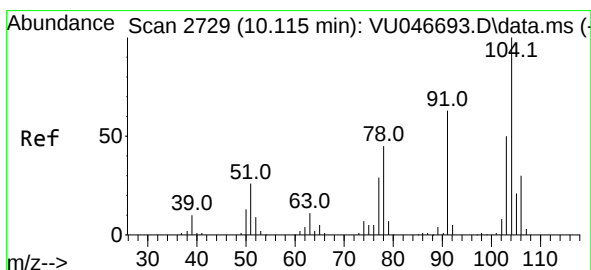
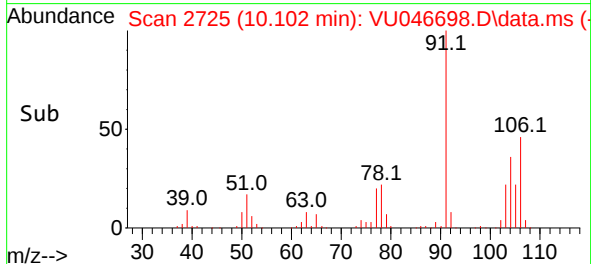
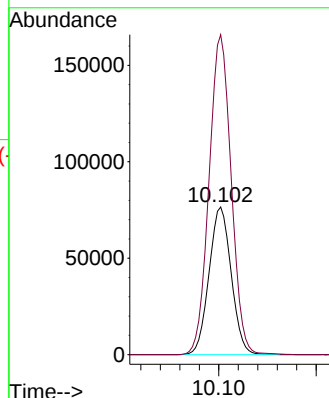
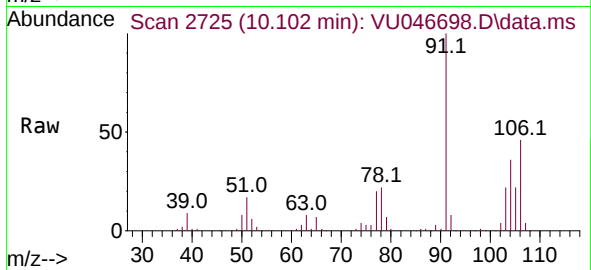
VSTD050157

Tgt Ion:106 Resp: 120838

Ion Ratio Lower Upper

106 100

91 216.8 152.0 282.2



#55

Styrene

Concen: 54.146 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU046698.D

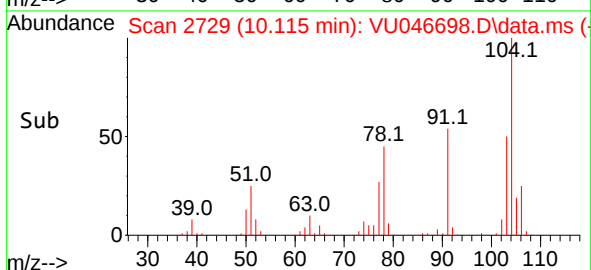
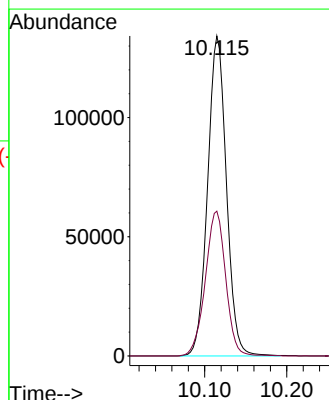
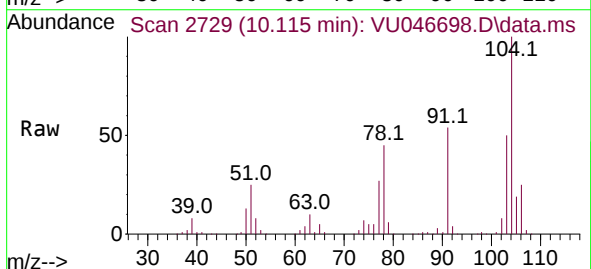
Acq: 07 Jan 2022 16:51

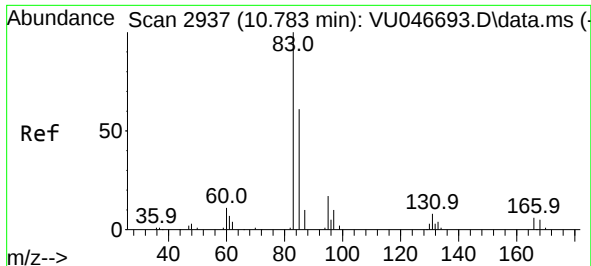
Tgt Ion:104 Resp: 213767

Ion Ratio Lower Upper

104 100

78 45.2 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 49.908 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

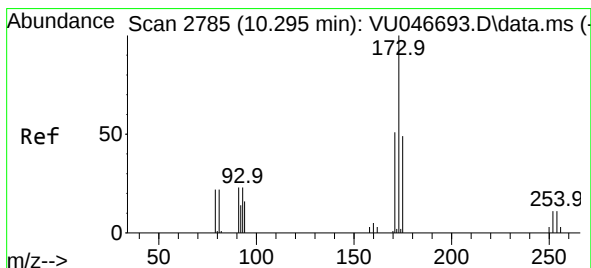
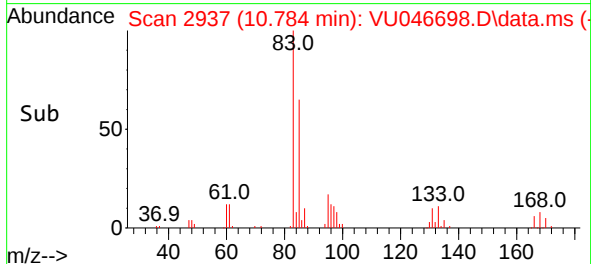
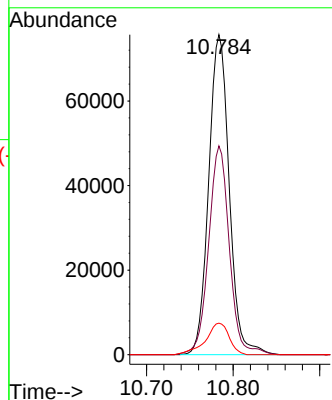
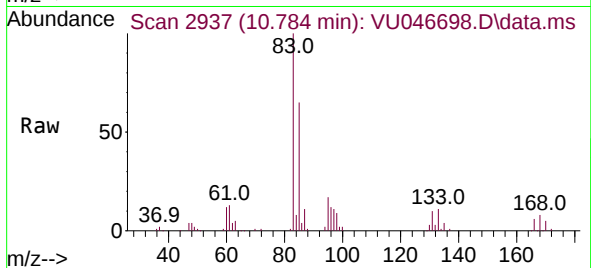
Tgt Ion: 83 Resp: 124598

Ion Ratio Lower Upper

83 100

85 65.2 44.7 83.1

131 9.9 7.8 11.6



#59

Bromoform

Concen: 48.808 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

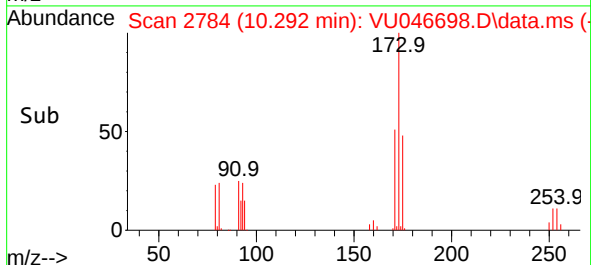
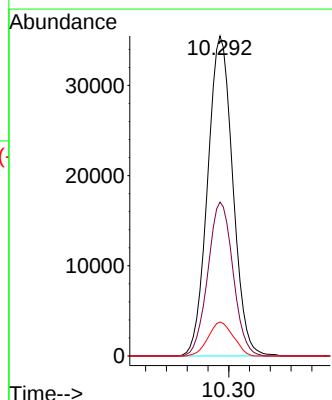
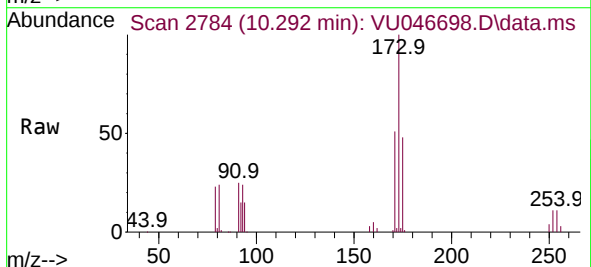
Tgt Ion:173 Resp: 59534

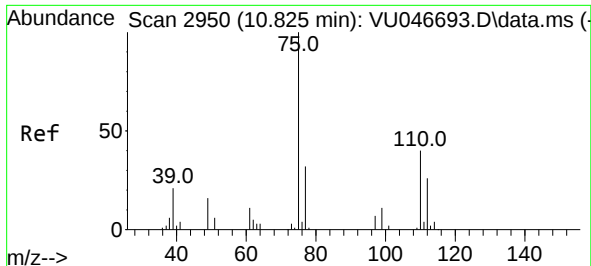
Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 10.6 8.1 12.1

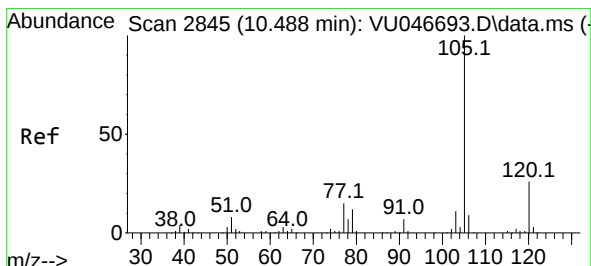
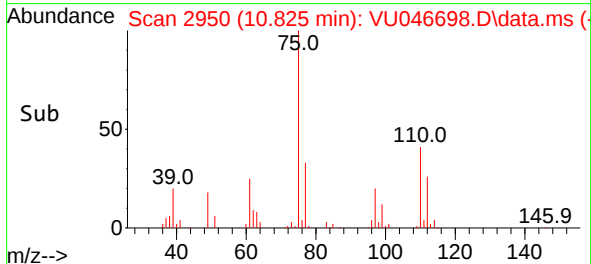
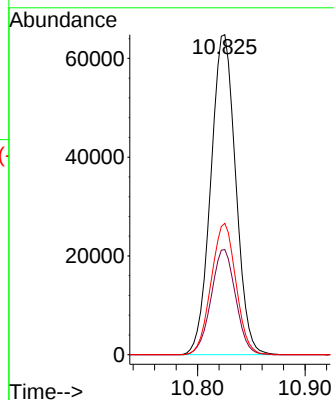
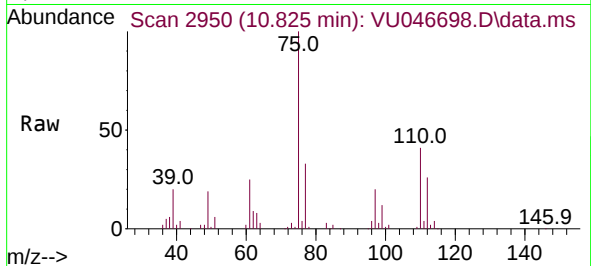




#60
1,2,3-Trichloropropane
Concen: 49.359 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

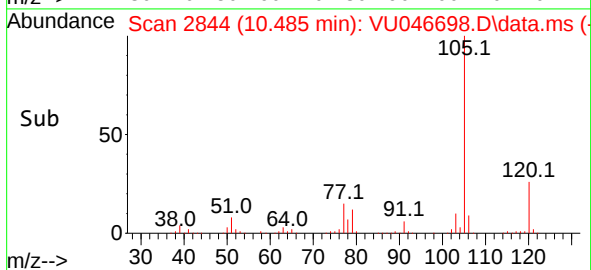
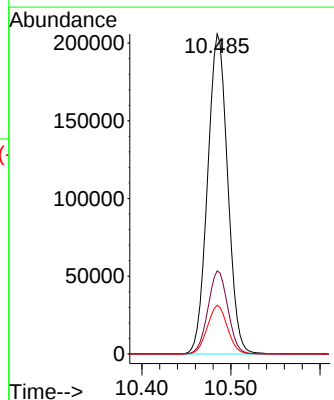
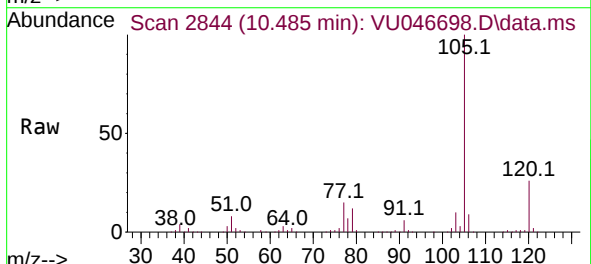
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

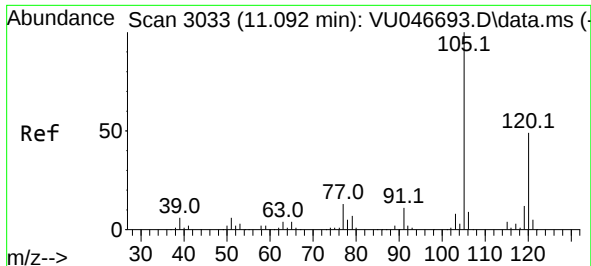
Tgt Ion: 75 Resp: 104258
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
110 40.9 32.5 48.7



#61
Isopropylbenzene
Concen: 52.355 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion: 105 Resp: 321012
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 15.2 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 53.575 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

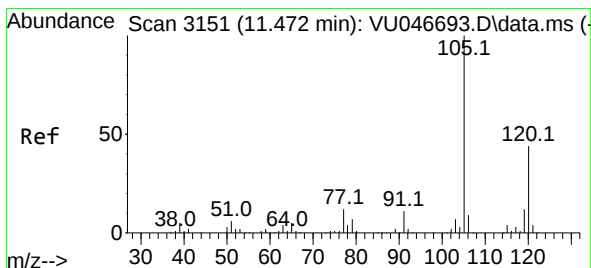
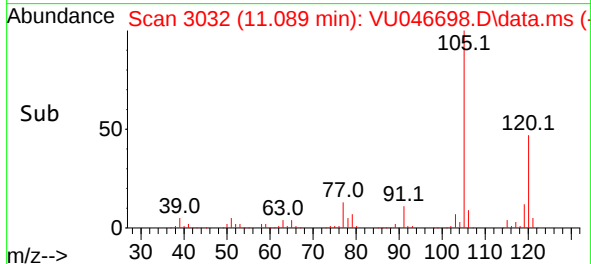
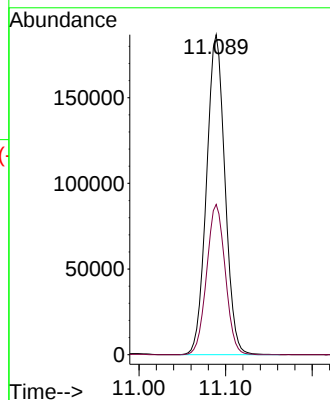
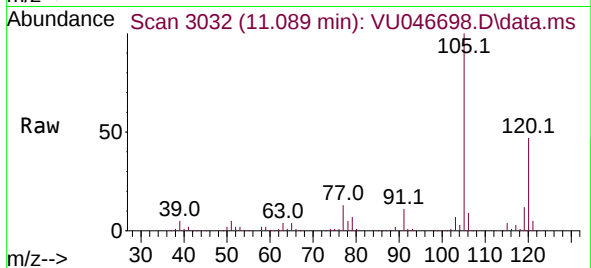
VSTD050157

Tgt Ion:105 Resp: 276139

Ion Ratio Lower Upper

105 100

120 47.4 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 54.341 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046698.D

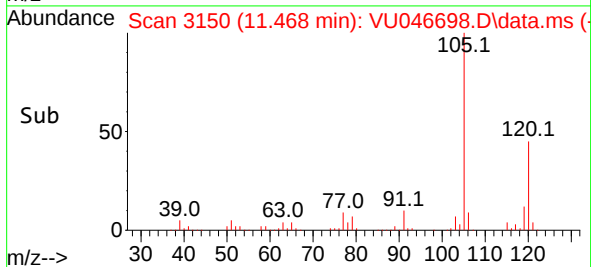
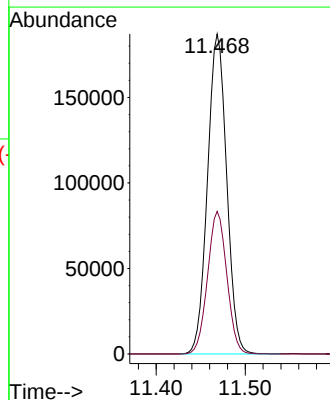
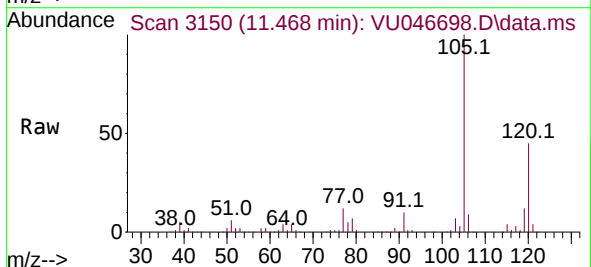
Acq: 07 Jan 2022 16:51

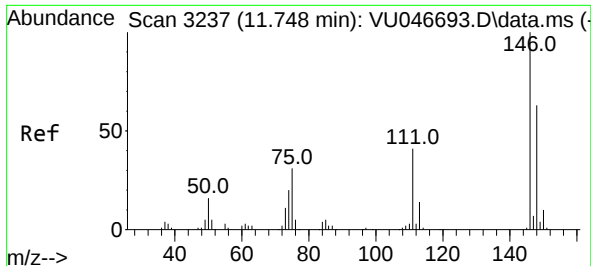
Tgt Ion:105 Resp: 279075

Ion Ratio Lower Upper

105 100

120 44.7 35.4 53.2

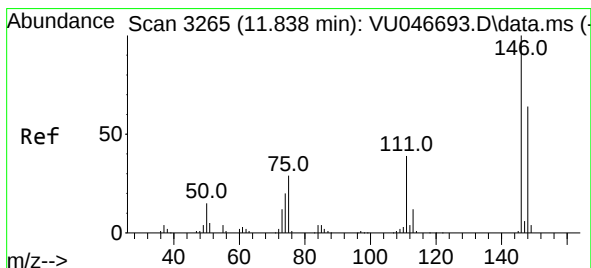
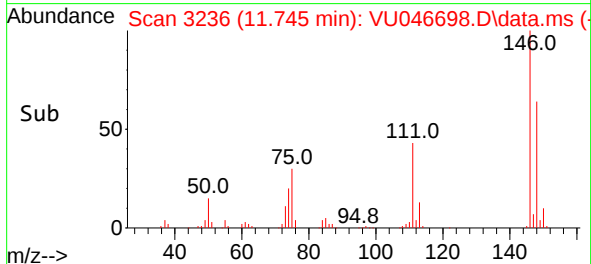
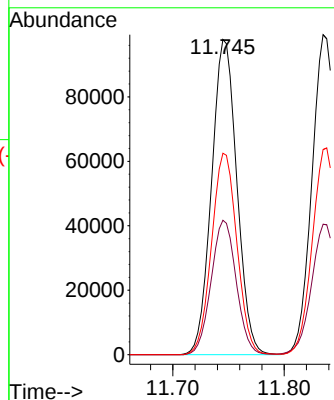
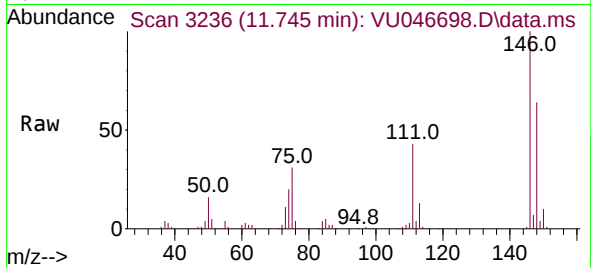




#64
1,3-Dichlorobenzene
Concen: 50.256 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

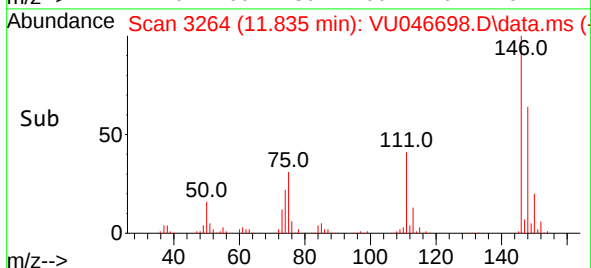
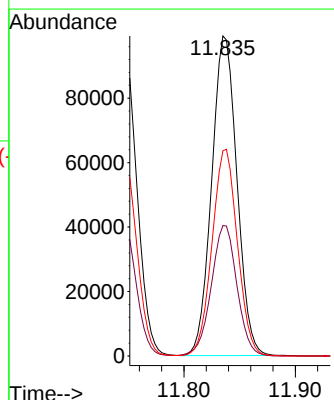
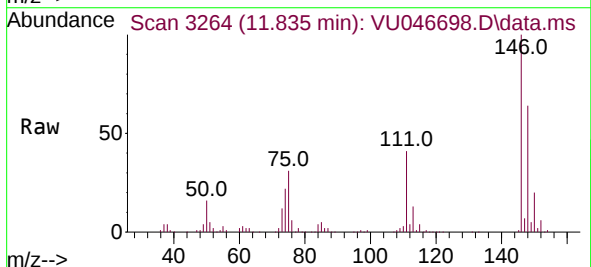
Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

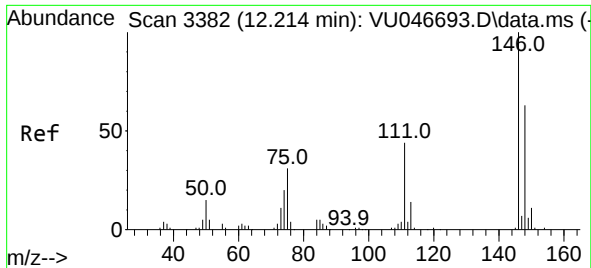
Tgt Ion:146 Resp: 154450
Ion Ratio Lower Upper
146 100
111 42.6 29.4 54.6
148 63.9 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 48.840 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion:146 Resp: 156398
Ion Ratio Lower Upper
146 100
111 40.8 28.9 53.7
148 64.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 49.763 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050157

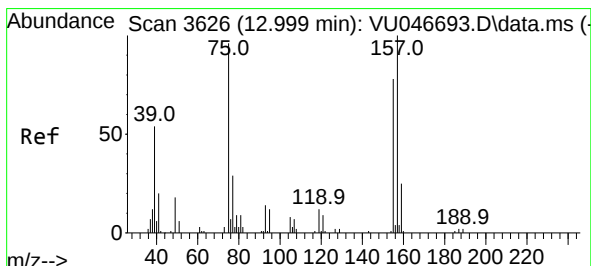
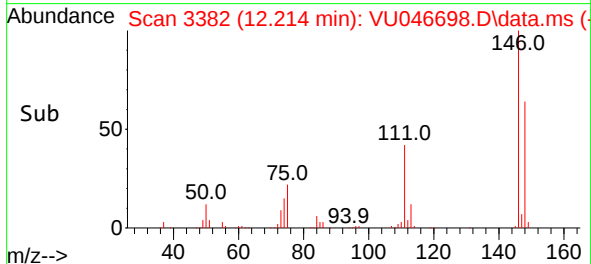
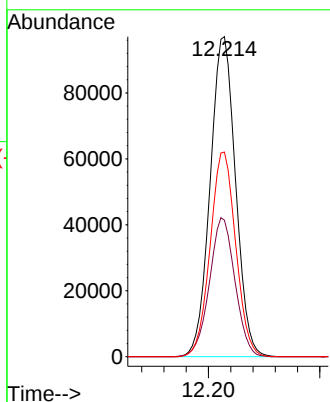
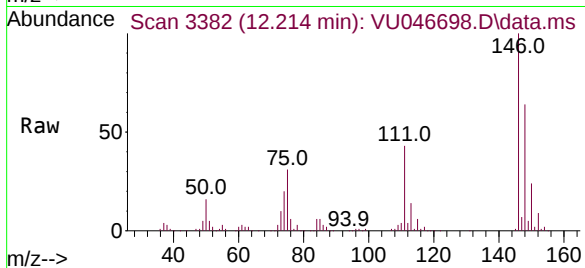
Tgt Ion:146 Resp: 153712

Ion Ratio Lower Upper

146 100

111 42.7 34.2 51.4

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 49.464 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046698.D

Acq: 07 Jan 2022 16:51

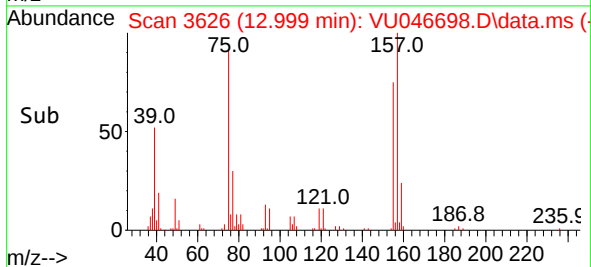
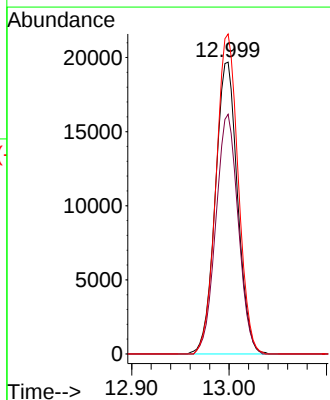
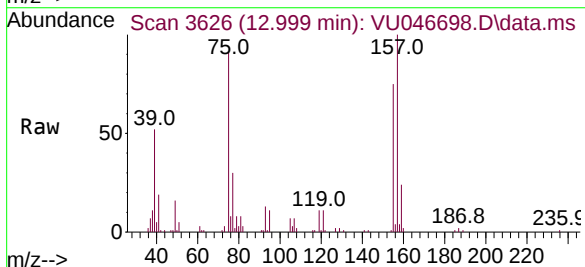
Tgt Ion: 75 Resp: 31276

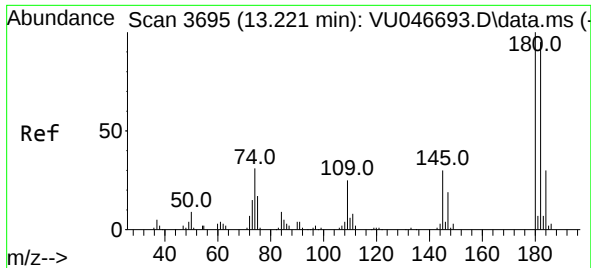
Ion Ratio Lower Upper

75 100

155 82.1 65.0 97.4

157 109.6 79.7 119.5



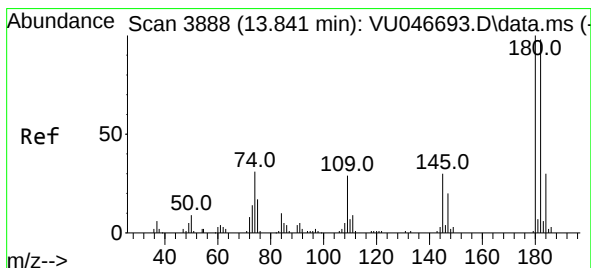
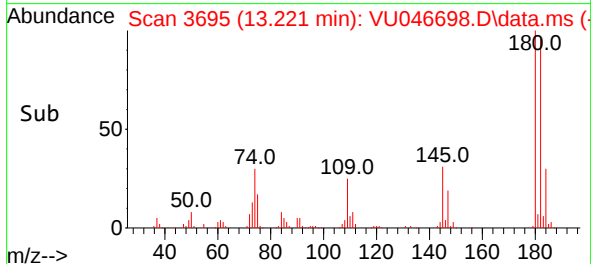
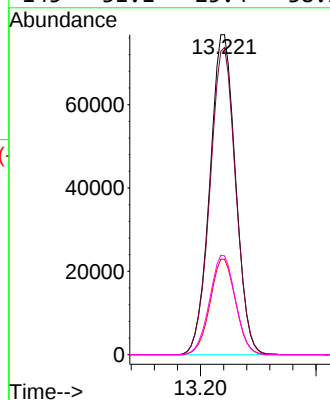
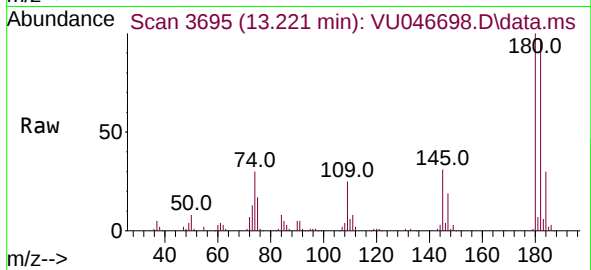


#69
 1,3,5-Trichlorobenzene
 Concen: 50.383 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046698.D
 Acq: 07 Jan 2022 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050157

Tgt Ion:180 Resp: 118594

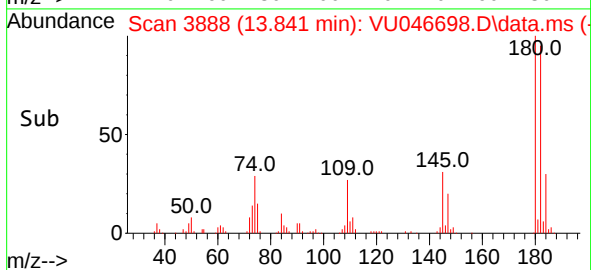
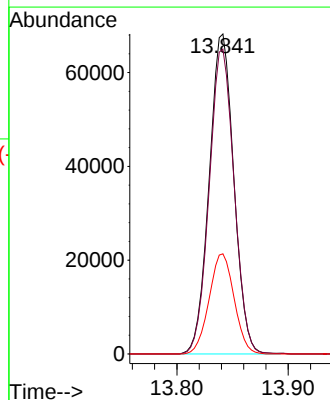
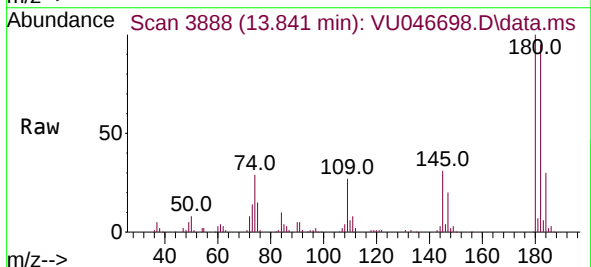
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.6
184	29.7	24.7	37.1
145	31.1	25.4	38.2

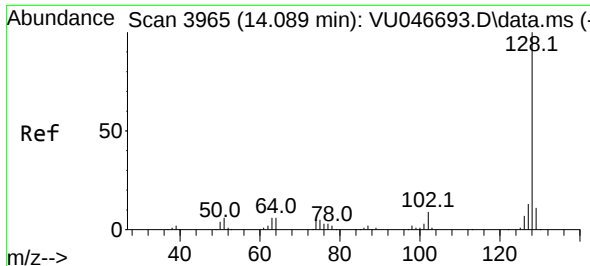


#70
 1,2,4-trichlorobenzene
 Concen: 52.096 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046698.D
 Acq: 07 Jan 2022 16:51

Tgt Ion:180 Resp: 104823

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	31.8	25.2	37.8



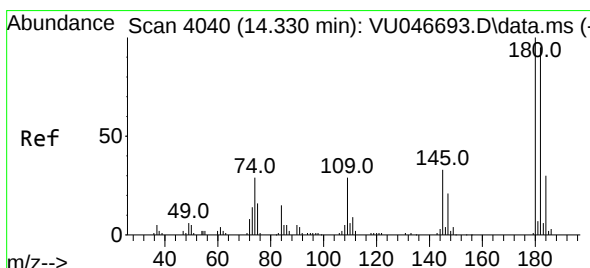
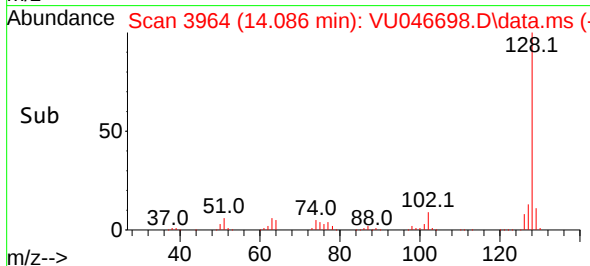
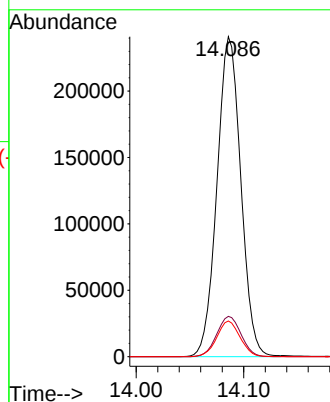
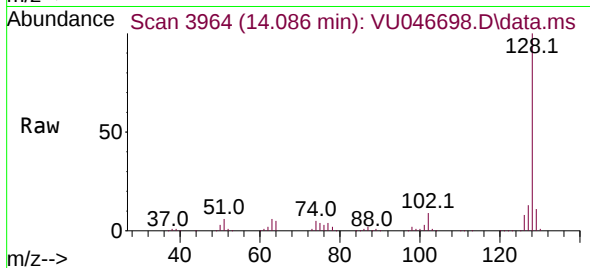


#71
Naphthalene
Concen: 56.691 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD050157

Tgt Ion:128 Resp: 370995

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 53.077 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046698.D
Acq: 07 Jan 2022 16:51

Tgt Ion:180 Resp: 107916

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.6	115.0
145	32.8	27.4	41.2

