

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047684.D
 Acq On : 25 Mar 2022 19:55
 Operator : SY/MD
 Sample : N2082-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW600

Quant Time: Mar 26 04:22:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	340931	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	349672	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	201644	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97784	39.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.100%
7) Chloroethane-d5	1.916	69	76911	39.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.900%
11) 1,1-Dichloroethene-d2	2.572	63	142641	31.535	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.060%
21) 2-Butanone-d5	4.639	46	181753	85.650	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.650%
24) Chloroform-d	5.067	84	176812	39.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.180%
26) 1,2-Dichloroethane-d4	5.703	65	114193	41.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.320%
32) Benzene-d6	5.729	84	359314	40.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.680%
36) 1,2-Dichloropropane-d6	6.694	67	114573	42.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.800%
41) Toluene-d8	7.899	98	338656	39.505	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.000%#
43) trans-1,3-Dichloroprop...	8.179	79	49866	36.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.860%
47) 2-Hexanone-d5	8.636	63	126855	80.194	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.190%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	181100	39.052	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.100%
66) 1,2-Dichlorobenzene-d4	12.192	152	152146	42.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	10962	3.626	ug/L	94
5) Vinyl chloride	1.607	62	804880	261.083	ug/L	98
8) Chloroethane	1.938	64	53444	27.616	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1424	0.567	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	31048	13.276	ug/L #	46
13) Acetone	2.652	43	24193	12.251	ug/L	98
14) Carbon disulfide	2.800	76	10356	1.401	ug/L	98
16) Methylene chloride	3.051	84	15048	5.607	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	113306	44.919	ug/L	97
19) 1,1-Dichloroethane	3.874	63	5291065	1216.237	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	5103236	1845.393	ug/L	93
22) 2-Butanone	4.726	43	6445	2.534	ug/L #	43
27) 1,2-Dichloroethane	5.797	62	31445	8.690	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	297003	74.908	ug/L	98
31) Carbon tetrachloride	5.321	117	40273	11.248	ug/L	97
33) Benzene	5.777	78	27892	2.756	ug/L	100
34) Trichloroethene	6.542	95	247299	93.197	ug/L	99
42) Toluene	7.970	91	71657	6.452	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	14555	5.334	ug/L	93

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 QLast Update : Sat Mar 26 02:50:24 2022
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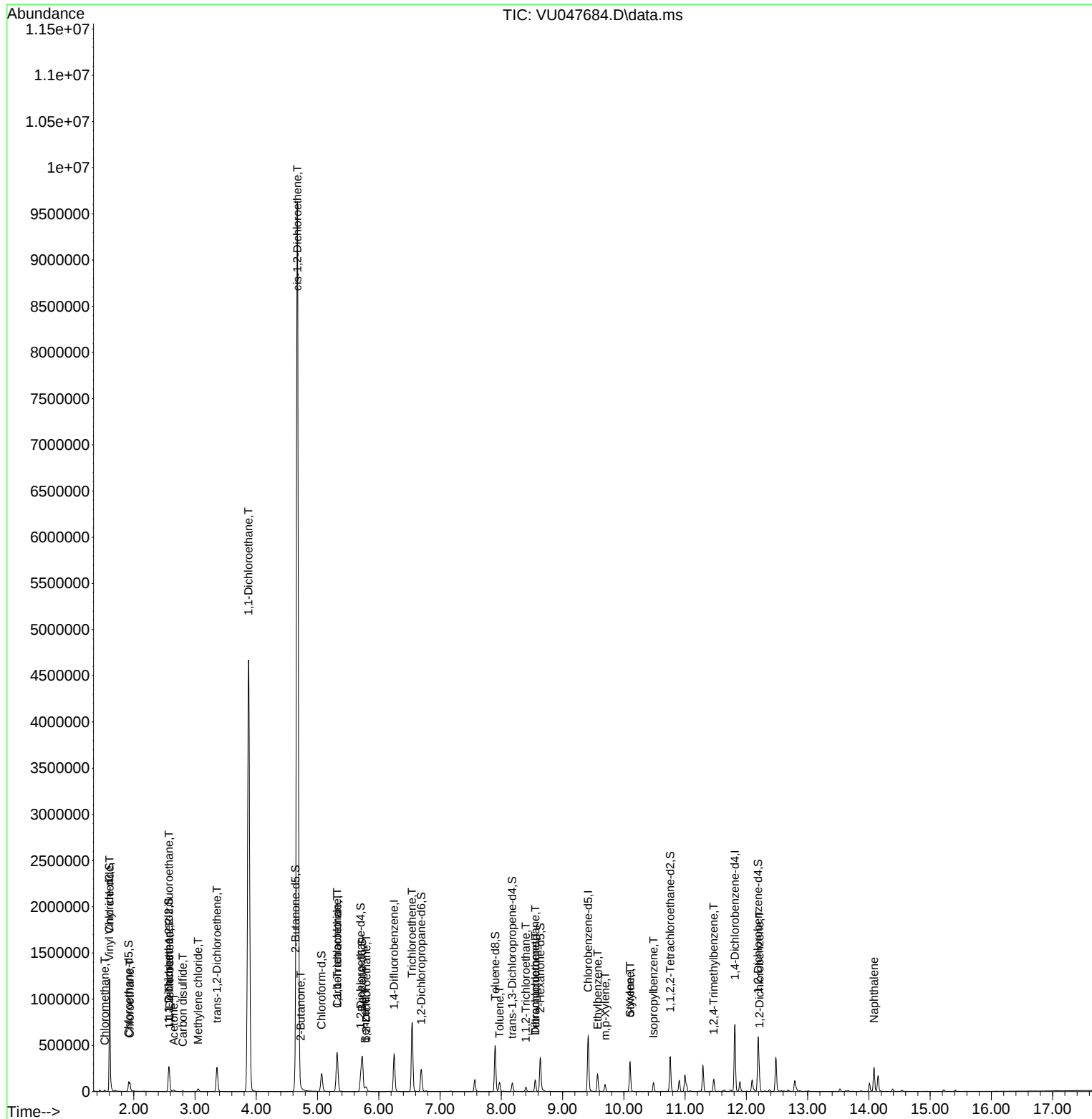
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.555	164	29711	12.460	ug/L	98
49) Dibromochloromethane	8.555	129	26464	8.373	ug/L #	11
52) Ethylbenzene	9.571	91	133296	11.415	ug/L	100
53) m,p-Xylene	9.697	106	21552	4.704	ug/L	99
54) o-Xylene	10.102	106	89802	19.970	ug/L	100
55) Styrene	10.102	104	5245	0.683	ug/L #	1
61) Isopropylbenzene	10.484	105	61426	5.637	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	71603	7.972	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	48703	8.036	ug/L	99
71) Naphthalene	14.086	128	130585	10.165	ug/L	100

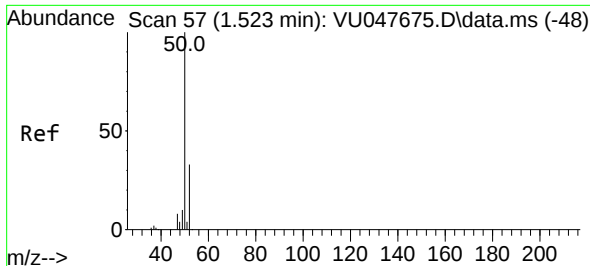
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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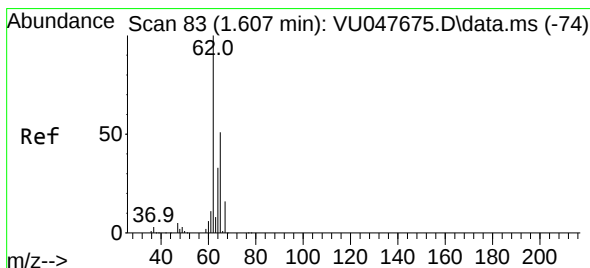
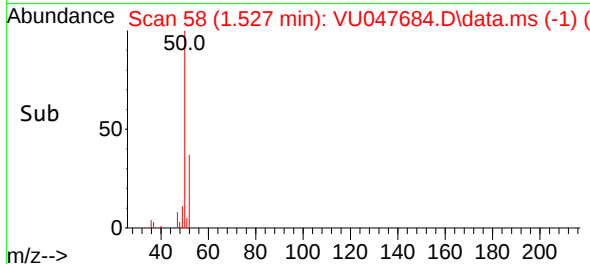
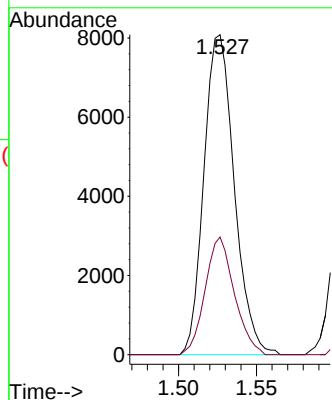
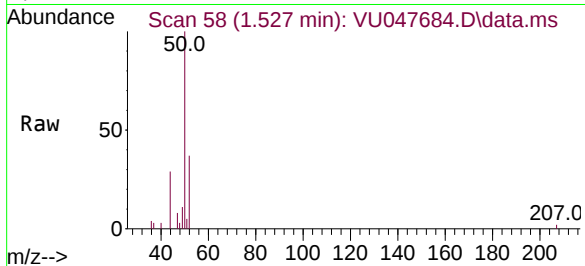




#3
Chloromethane
Concen: 3.626 ug/L
RT: 1.527 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

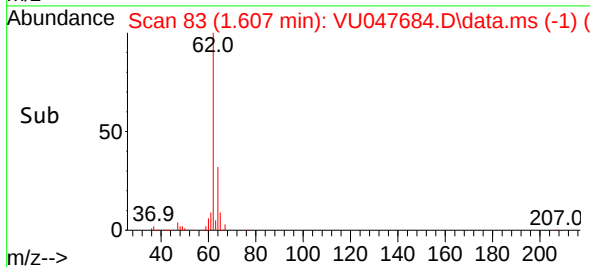
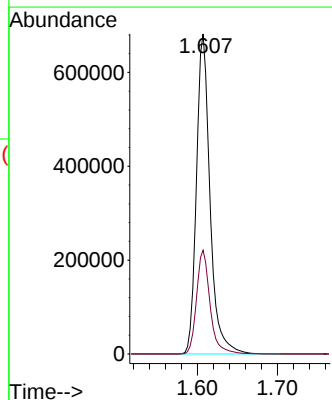
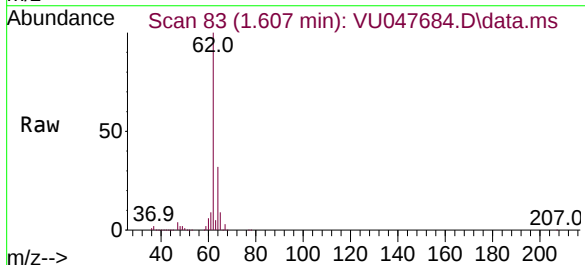
Instrument :
MSVOA_U
ClientSampleId :
EW600

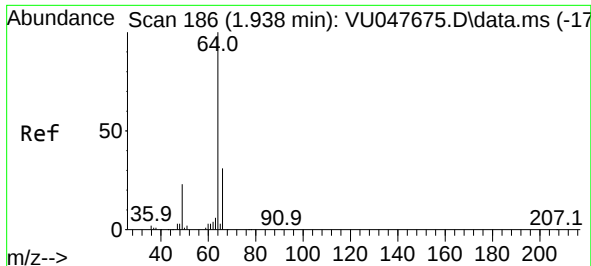
Tgt Ion: 50 Resp: 10962
Ion Ratio Lower Upper
50 100
52 36.8 23.2 43.2



#5
Vinyl chloride
Concen: 261.083 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion: 62 Resp: 804880
Ion Ratio Lower Upper
62 100
64 32.4 23.7 43.9

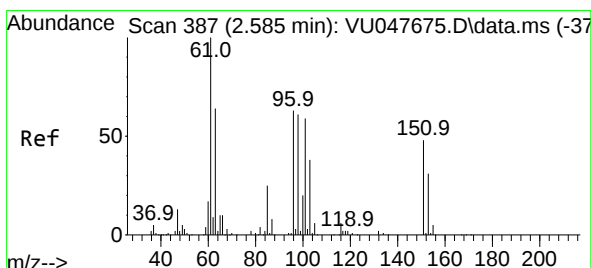
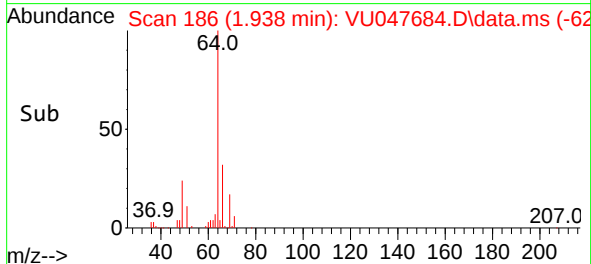
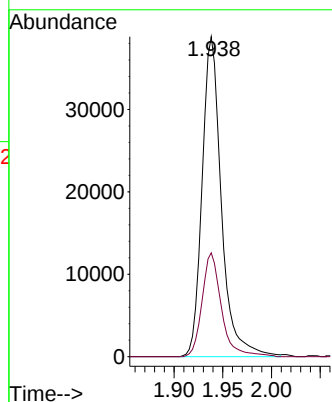
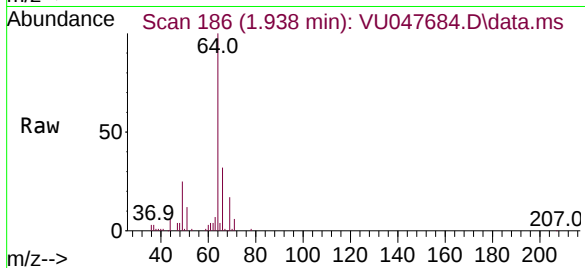




#8
Chloroethane
Concen: 27.616 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

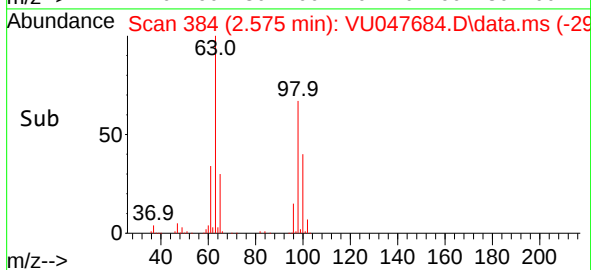
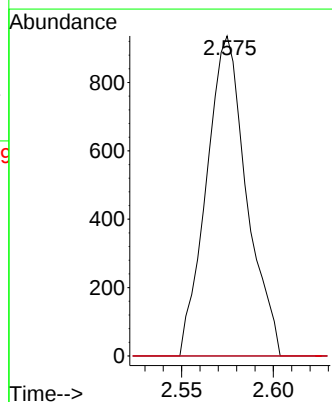
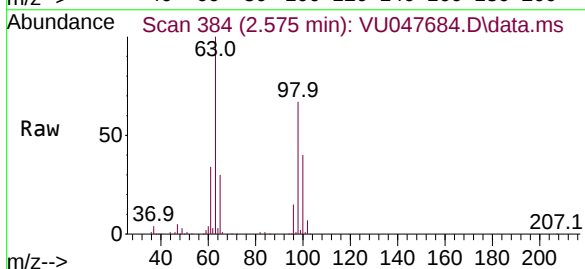
Instrument :
MSVOA_U
ClientSampleId :
EW600

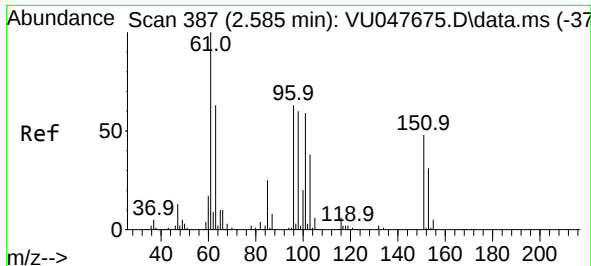
Tgt Ion: 64 Resp: 53444
Ion Ratio Lower Upper
64 100
66 32.4 23.3 43.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.567 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion:101 Resp: 1424
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 13.276 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

Instrument :

MSVOA_U

ClientSampleId :

EW600

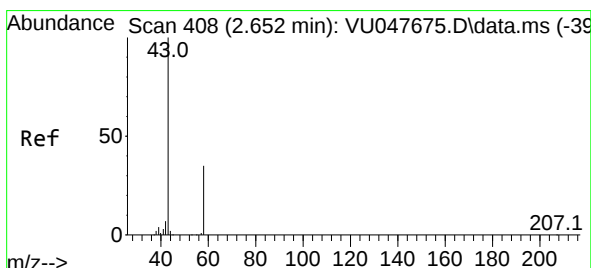
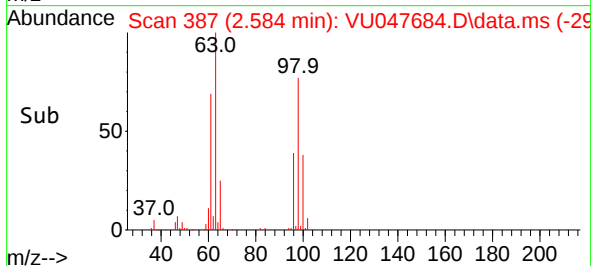
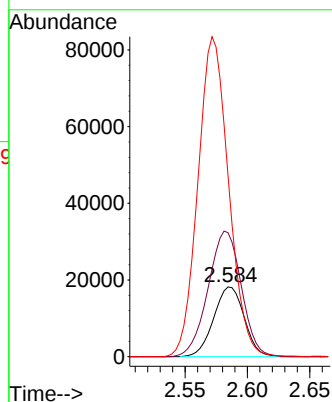
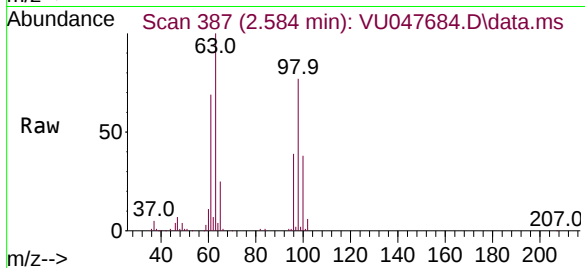
Tgt Ion: 96 Resp: 31048

Ion Ratio Lower Upper

96 100

61 177.6 113.1 210.1

63 258.8 94.8 176.0#



#13

Acetone

Concen: 12.251 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU047684.D

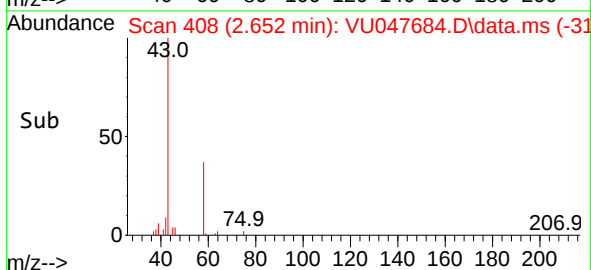
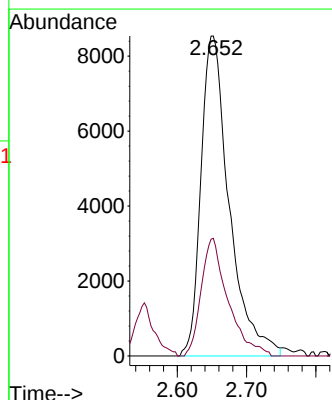
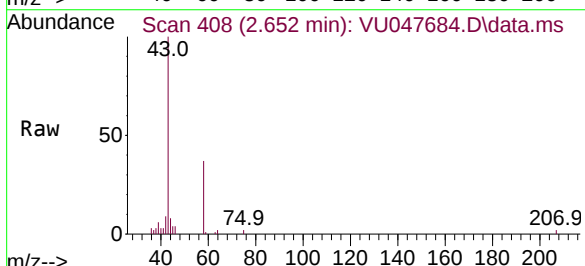
Acq: 25 Mar 2022 19:55

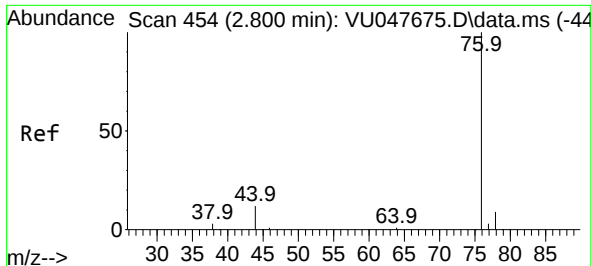
Tgt Ion: 43 Resp: 24193

Ion Ratio Lower Upper

43 100

58 34.1 0.0 70.0

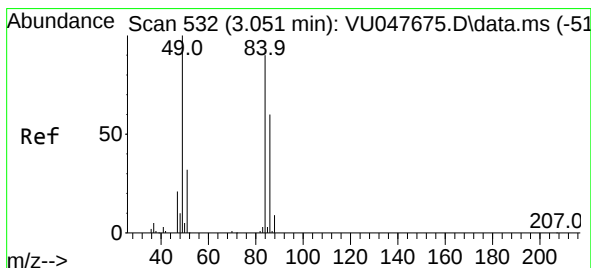
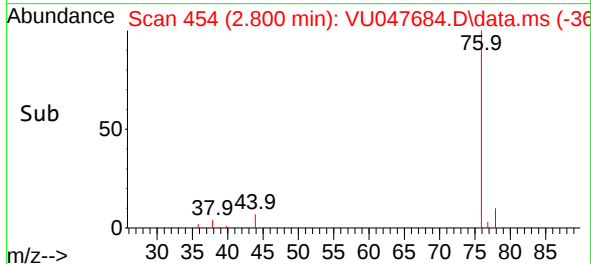
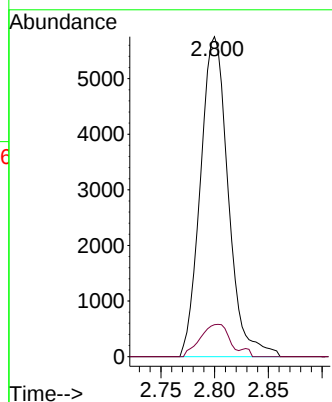
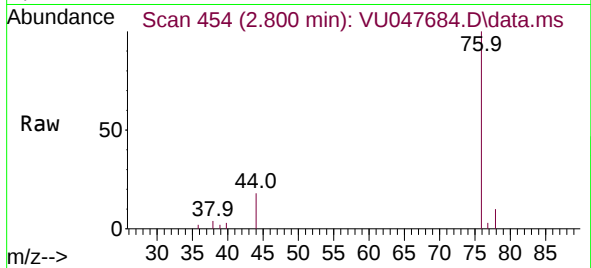




#14
Carbon disulfide
Concen: 1.401 ug/L
RT: 2.800 min Scan# 414
Delta R.T. -0.000 min
Lab File: VU047684.D
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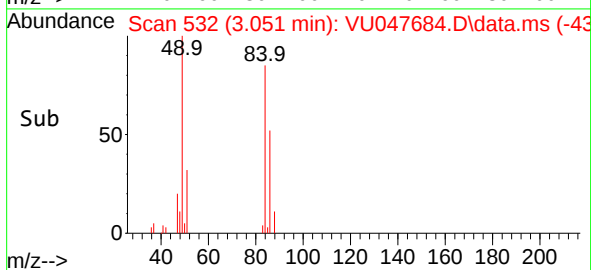
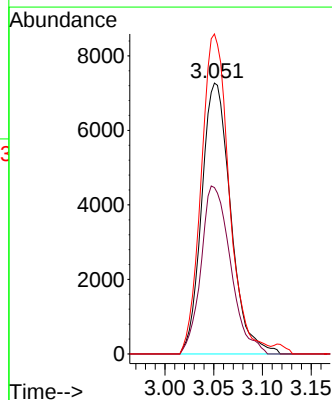
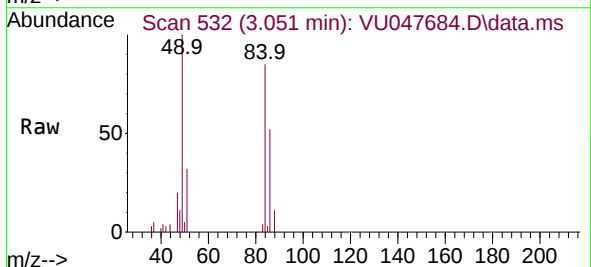
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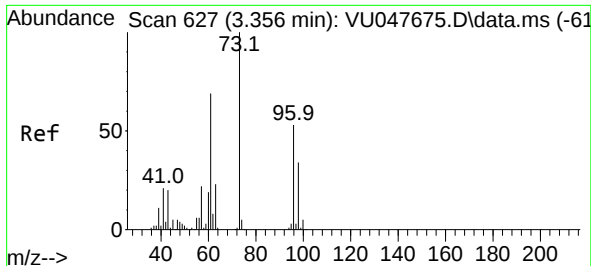
Tgt Ion: 76 Resp: 10356
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#16
Methylene chloride
Concen: 5.607 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion: 84 Resp: 15048
Ion Ratio Lower Upper
84 100
86 61.5 46.0 85.4
49 118.2 75.3 139.8

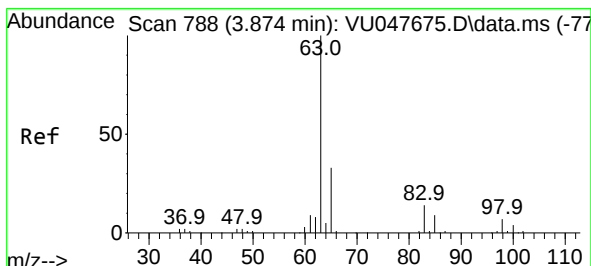
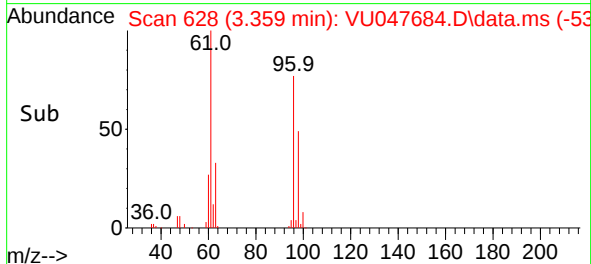
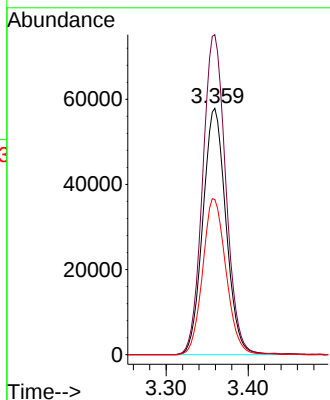
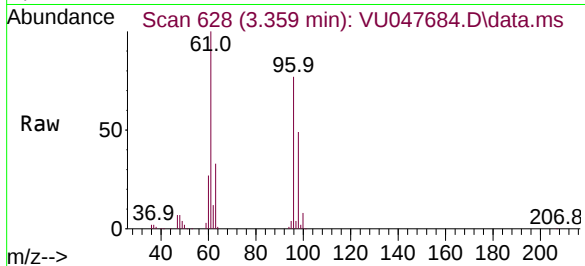




#17
trans-1,2-Dichloroethene
Concen: 44.919 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

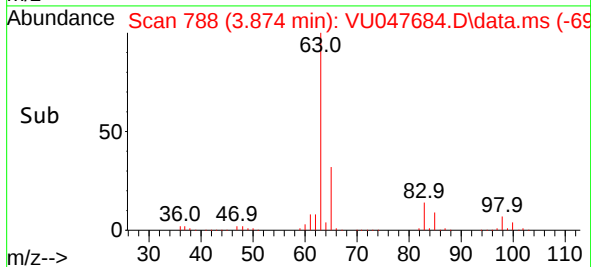
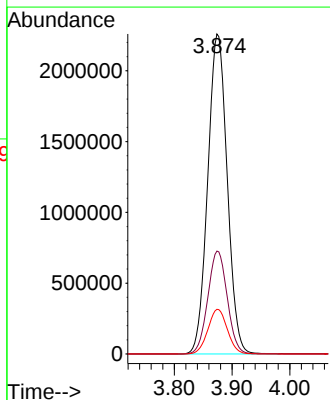
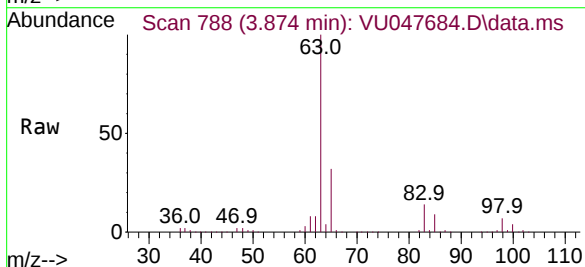
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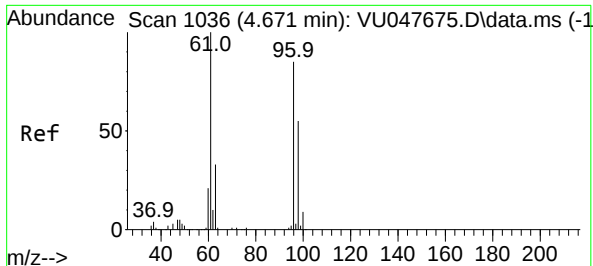
Tgt Ion: 96 Resp: 113306
Ion Ratio Lower Upper
96 100
61 129.9 88.4 164.2
98 63.0 43.3 80.5



#19
1,1-Dichloroethane
Concen: 1216.237 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion: 63 Resp: 5291065
Ion Ratio Lower Upper
63 100
65 32.2 22.0 41.0
83 14.0 9.7 18.1



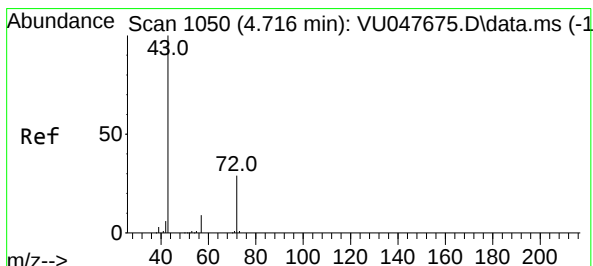
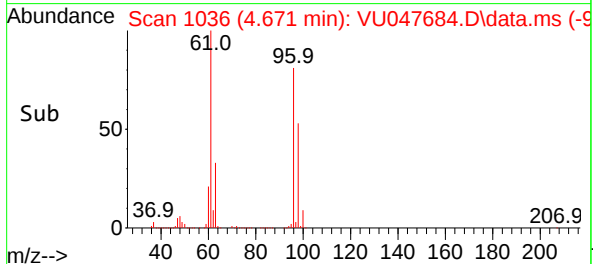
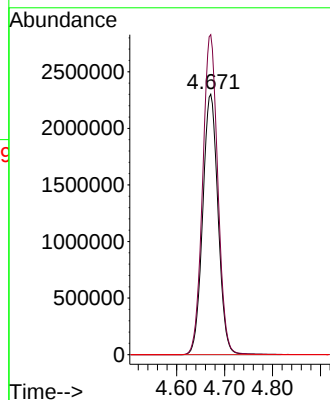
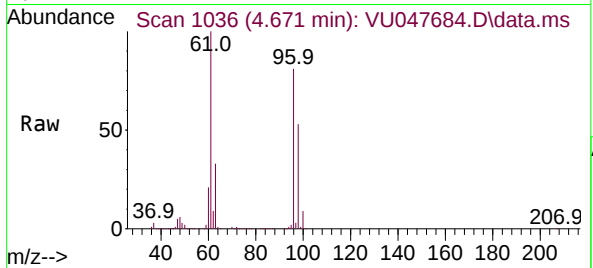


#20
 cis-1,2-Dichloroethene
 Concen: 1845.393 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU047684.D
 Acq: 25 Mar 2022 19:55

Instrument :
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Tgt Ion: 96 Resp: 5103236

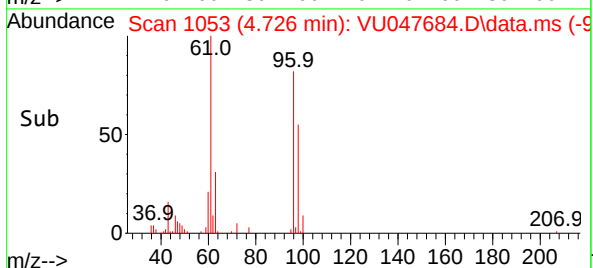
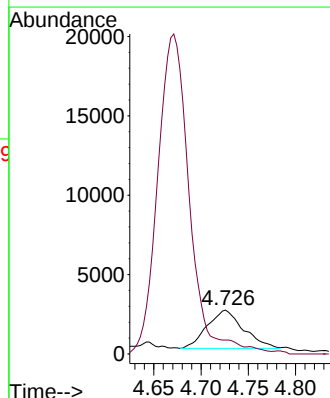
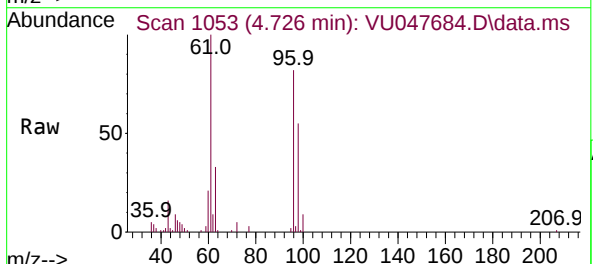
Ion	Ratio	Lower	Upper
96	100		
61	122.8	80.7	149.9
68	0.0	0.0	0.0

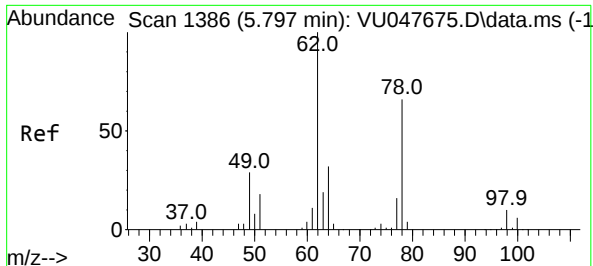


#22
 2-Butanone
 Concen: 2.534 ug/L
 RT: 4.726 min Scan# 1053
 Delta R.T. 0.010 min
 Lab File: VU047684.D
 Acq: 25 Mar 2022 19:55

Tgt Ion: 43 Resp: 6445

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.0	47.9#





#27

1,2-Dichloroethane

Concen: 8.690 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

Instrument :

MSVOA_U

ClientSampleId :

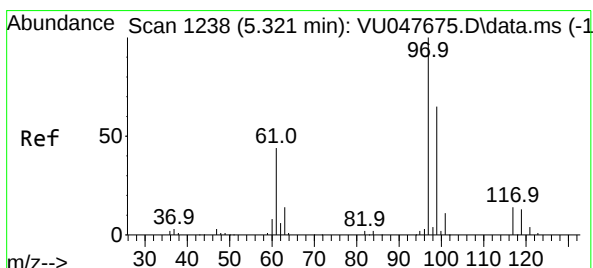
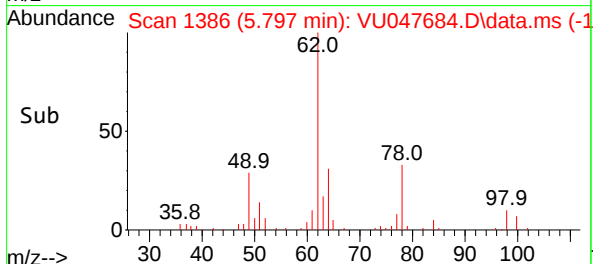
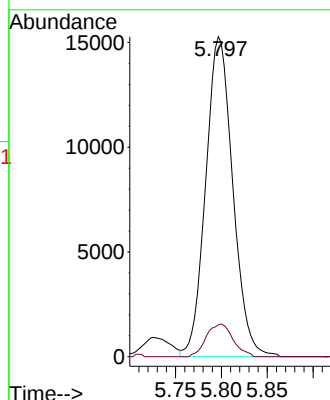
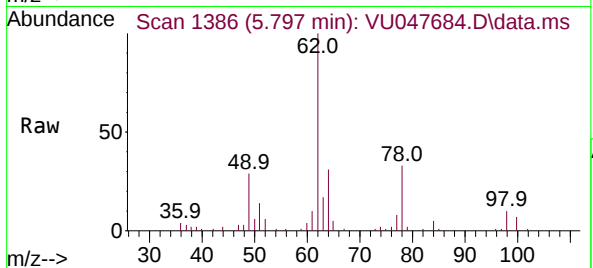
EW600

Tgt Ion: 62 Resp: 31445

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.0



#30

1,1,1-Trichloroethane

Concen: 74.908 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

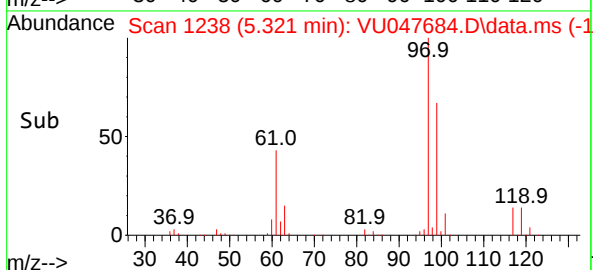
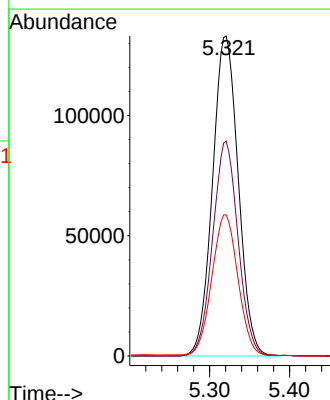
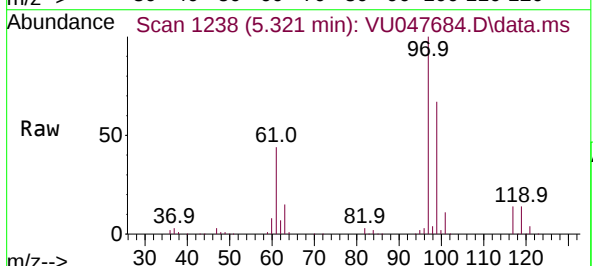
Tgt Ion: 97 Resp: 297003

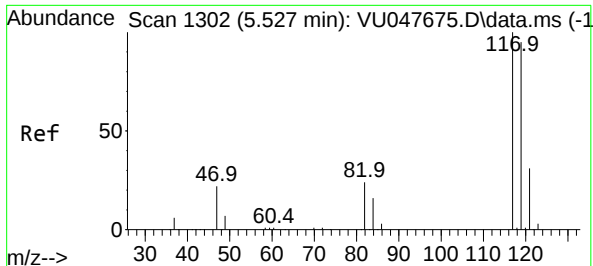
Ion Ratio Lower Upper

97 100

99 66.3 51.6 77.4

61 44.5 34.2 51.4

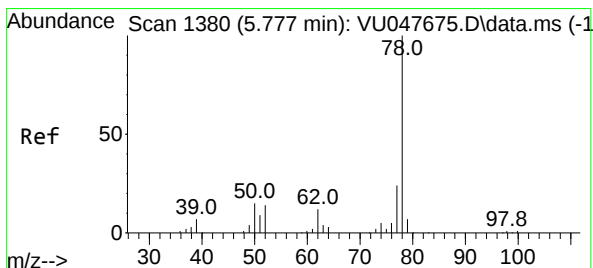
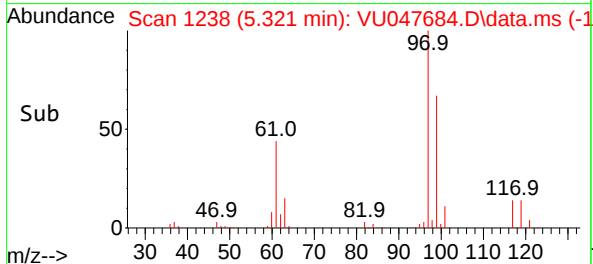
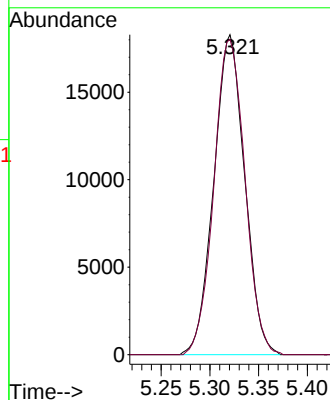
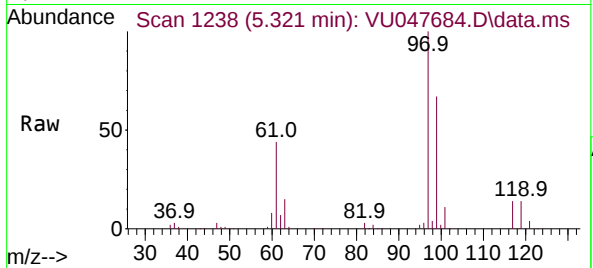




#31
Carbon tetrachloride
Concen: 11.248 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

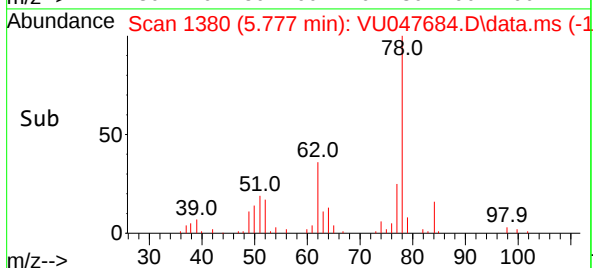
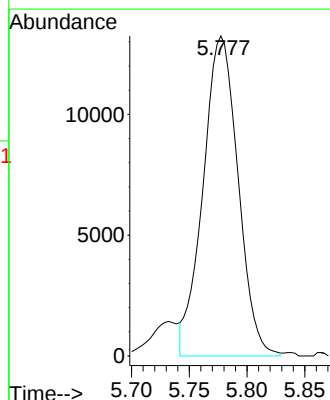
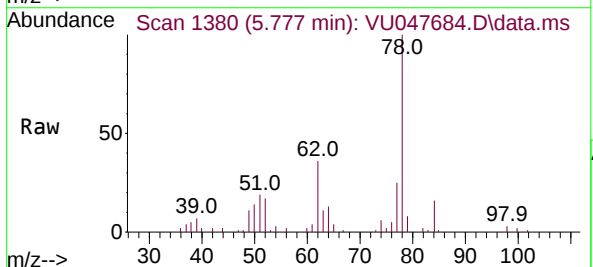
Instrument :
MSVOA_U
ClientSampleId :
EW600

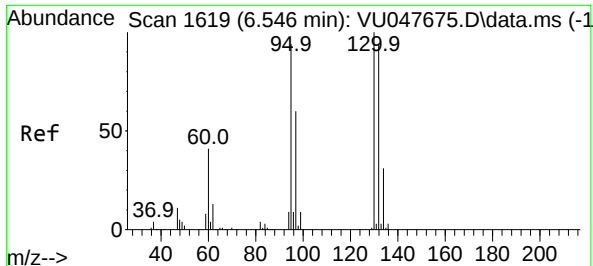
Tgt Ion:117 Resp: 40273
Ion Ratio Lower Upper
117 100
119 99.2 77.2 115.8



#33
Benzene
Concen: 2.756 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion: 78 Resp: 27892





#34

Trichloroethene

Concen: 93.197 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

Instrument :

MSVOA_U

ClientSampleId :

EW600

Tgt Ion: 95 Resp: 247299

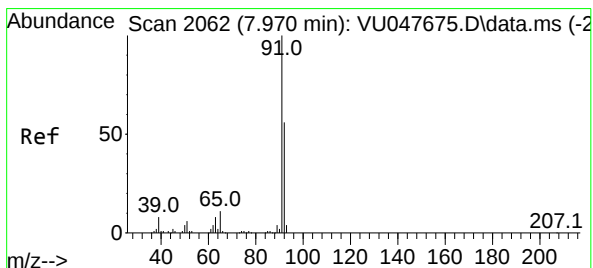
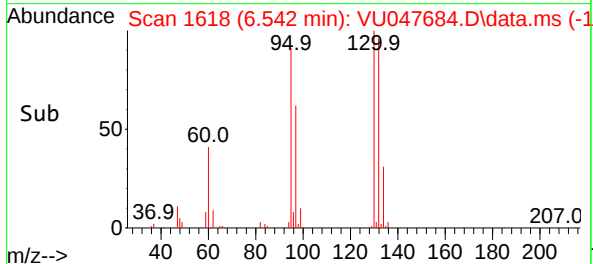
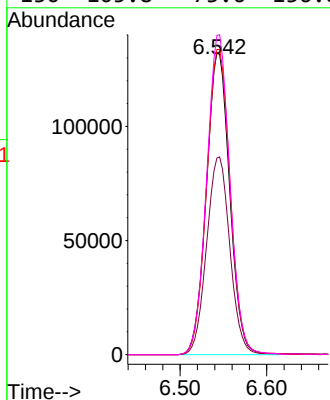
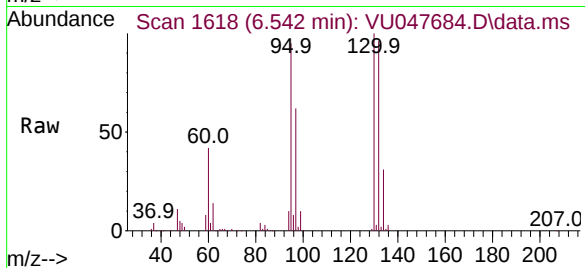
Ion Ratio Lower Upper

95 100

97 65.2 44.7 82.9

132 101.1 70.4 130.8

130 105.8 73.6 136.8



#42

Toluene

Concen: 6.452 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047684.D

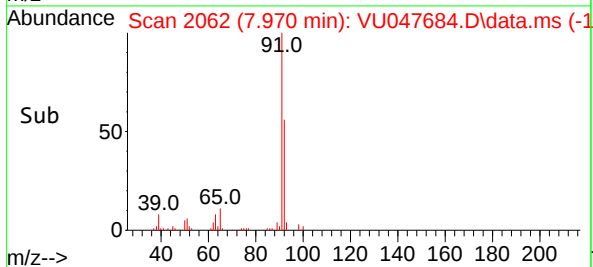
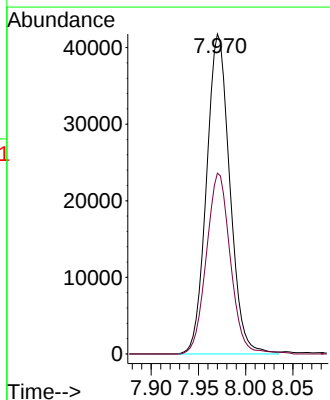
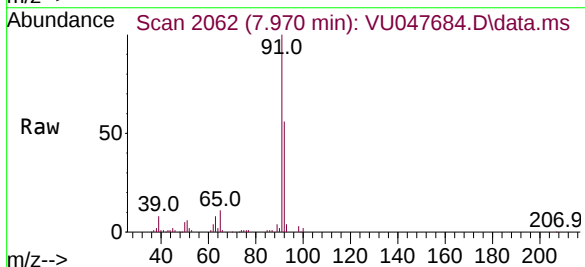
Acq: 25 Mar 2022 19:55

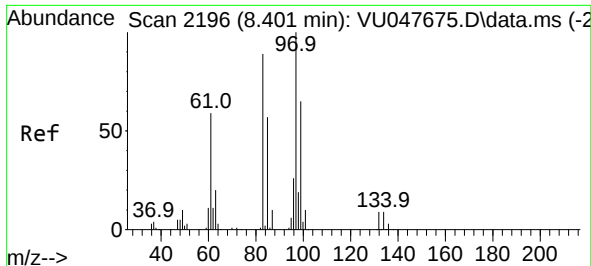
Tgt Ion: 91 Resp: 71657

Ion Ratio Lower Upper

91 100

92 56.5 40.4 75.0

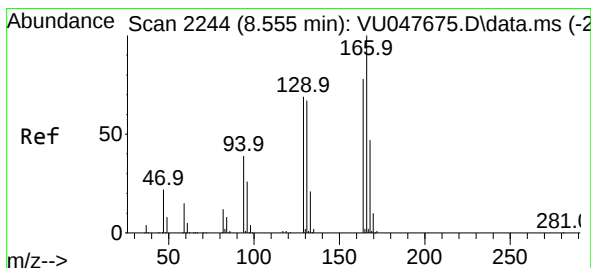
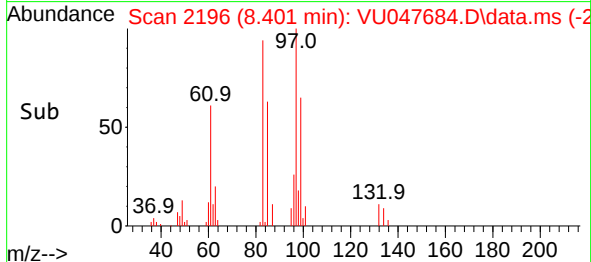
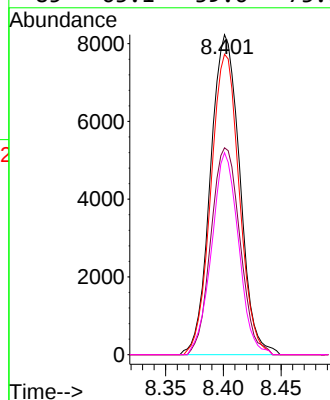
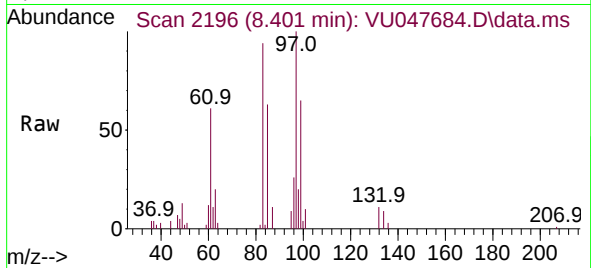




#45
1,1,2-Trichloroethane
Concen: 5.334 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

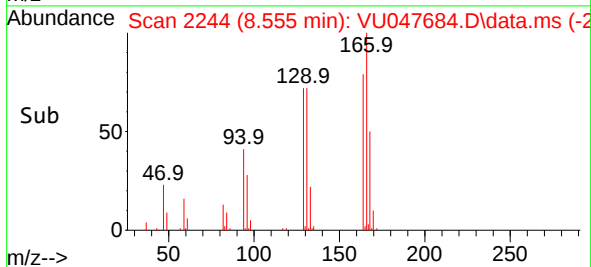
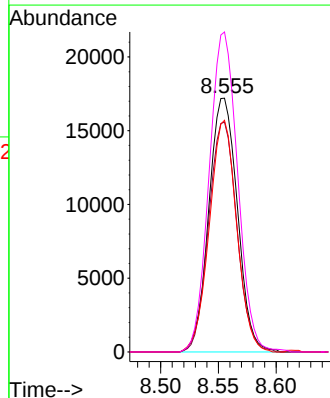
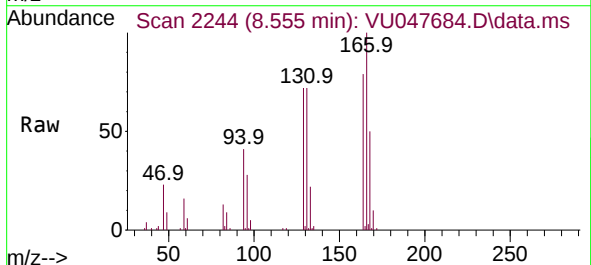
Instrument :
MSVOA_U
ClientSampleId :
EW600

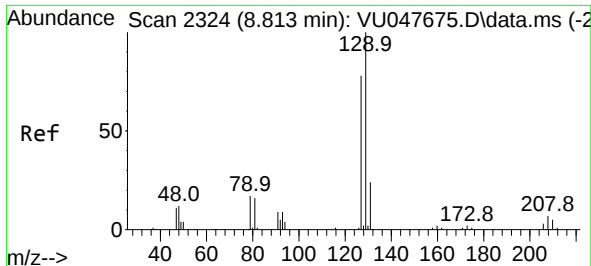
Tgt Ion:	97	Resp:	14555
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.3	80.3
83	93.9	61.0	113.4
85	63.1	39.6	73.6



#46
Tetrachloroethene
Concen: 12.460 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion:	164	Resp:	29711
Ion	Ratio	Lower	Upper
164	100		
129	90.6	62.4	116.0
131	91.3	60.7	112.7
166	126.1	89.0	165.4

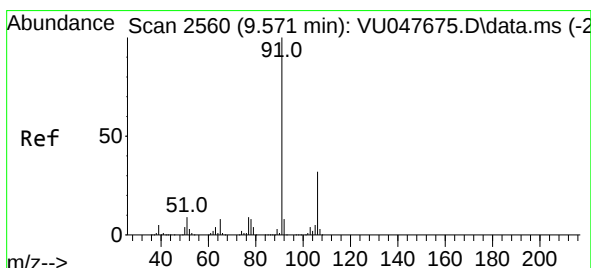
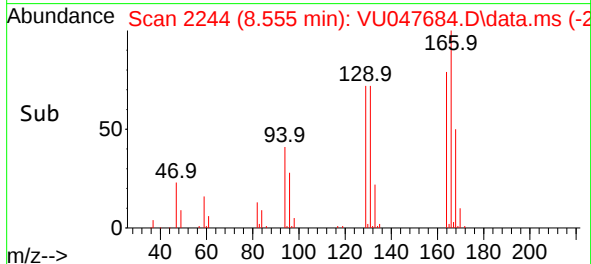
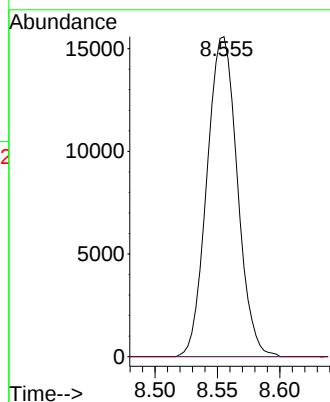
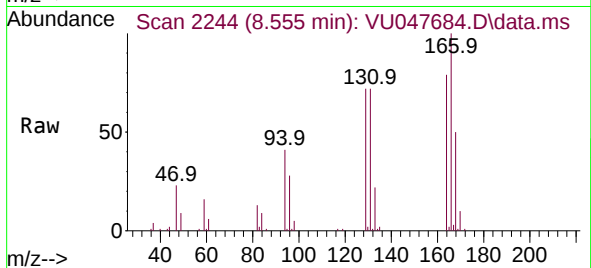




#49
Dibromochloromethane
Concen: 8.373 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

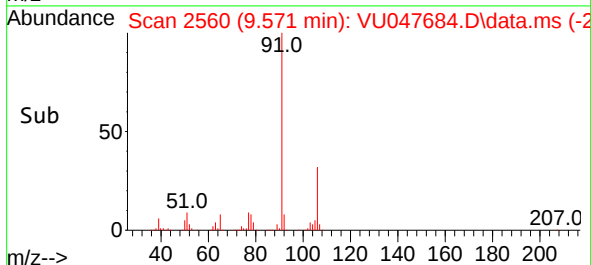
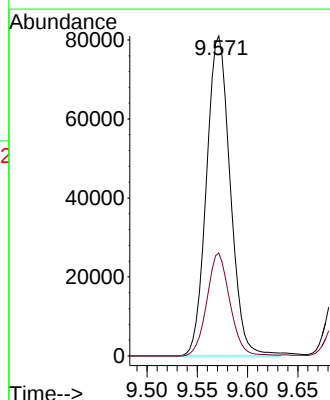
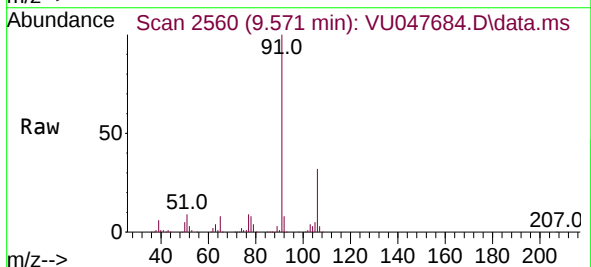
Instrument :
MSVOA_U
ClientSampleId :
EW600

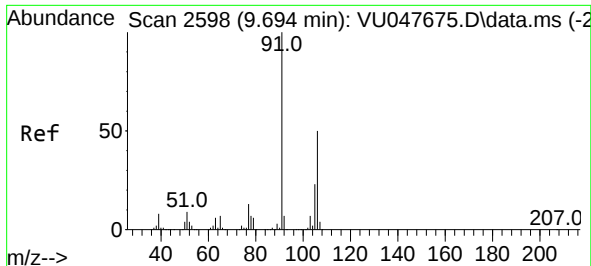
Tgt Ion:129 Resp: 26464
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#



#52
Ethylbenzene
Concen: 11.415 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion: 91 Resp: 133296
Ion Ratio Lower Upper
91 100
106 32.2 22.4 41.6

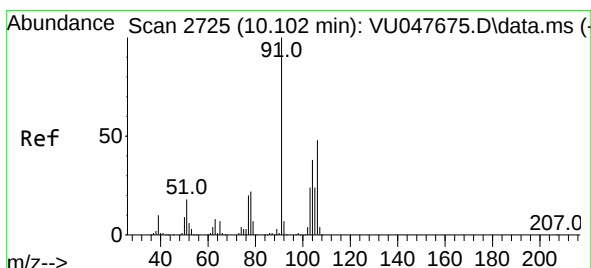
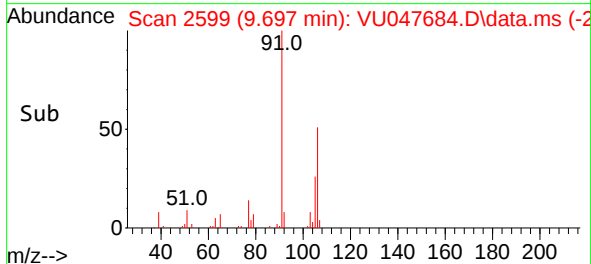
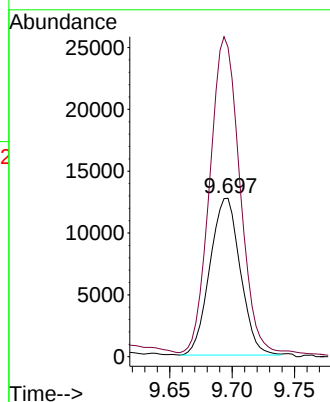
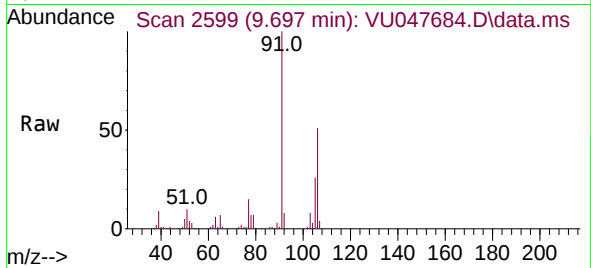




#53
m,p-Xylene
Concen: 4.704 ug/L
RT: 9.697 min Scan# 21552
Delta R.T. 0.003 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

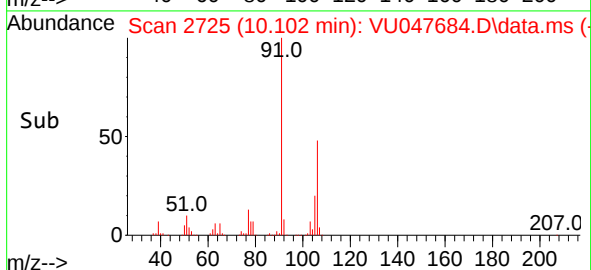
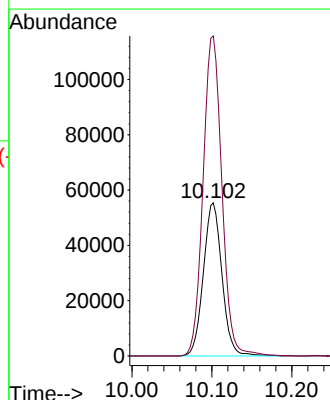
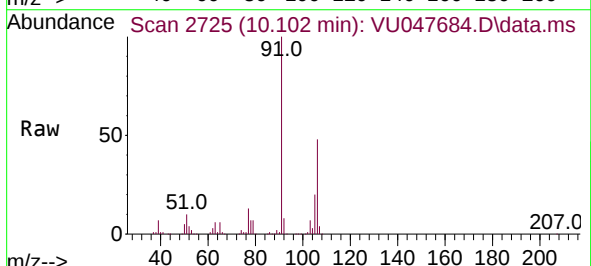
Instrument :
MSVOA_U
ClientSampleId :
EW600

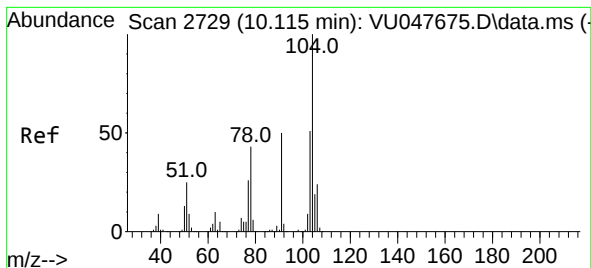
Tgt Ion:106 Resp: 21552
Ion Ratio Lower Upper
106 100
91 195.2 137.7 255.7



#54
o-Xylene
Concen: 19.970 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

Tgt Ion:106 Resp: 89802
Ion Ratio Lower Upper
106 100
91 209.0 146.7 272.5





#55

Styrene

Concen: 0.683 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

Instrument :

MSVOA_U

ClientSampleId :

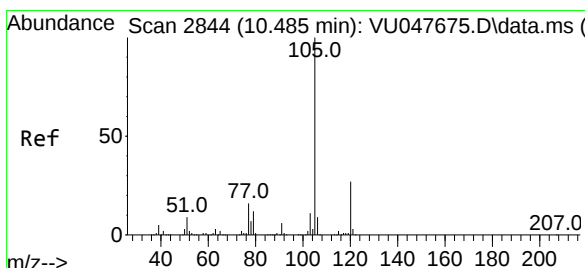
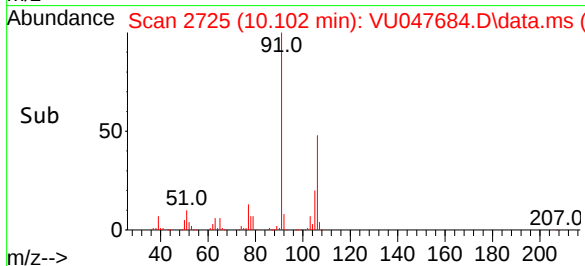
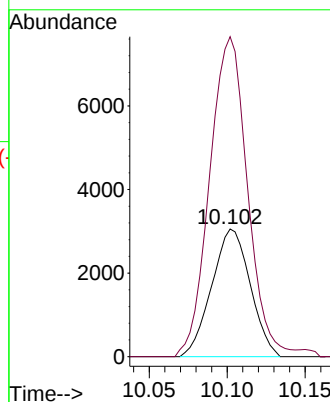
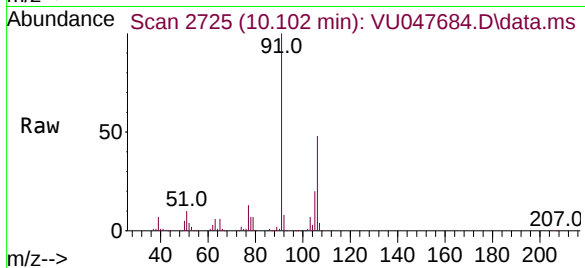
EW600

Tgt Ion:104 Resp: 5245

Ion Ratio Lower Upper

104 100

78 250.6 30.4 56.4#



#61

Isopropylbenzene

Concen: 5.637 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU047684.D

Acq: 25 Mar 2022 19:55

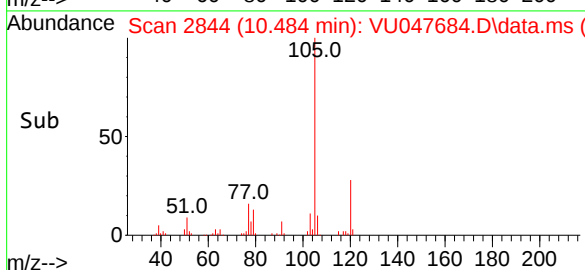
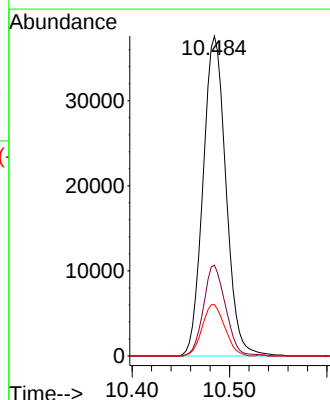
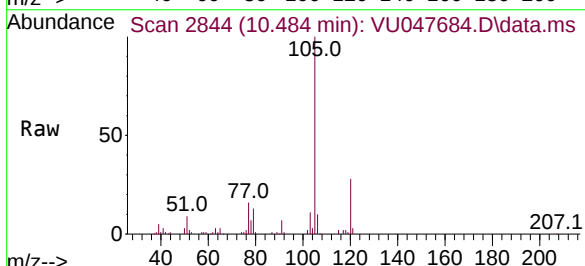
Tgt Ion:105 Resp: 61426

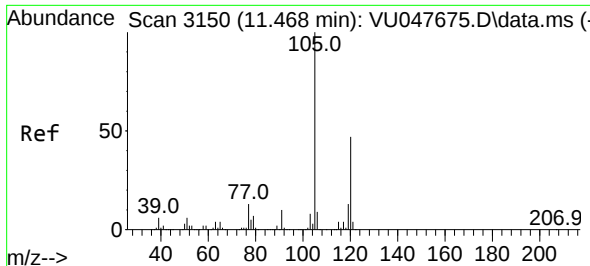
Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

77 15.9 12.1 18.1

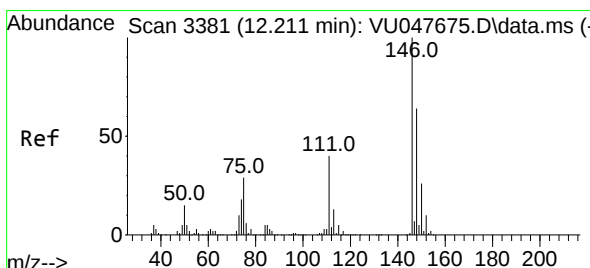
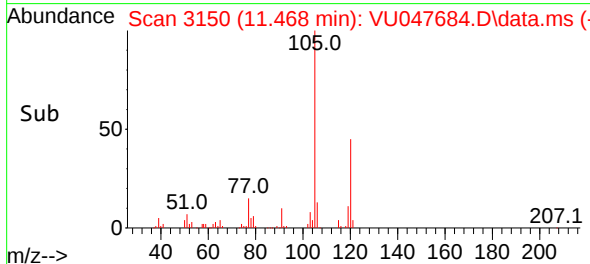
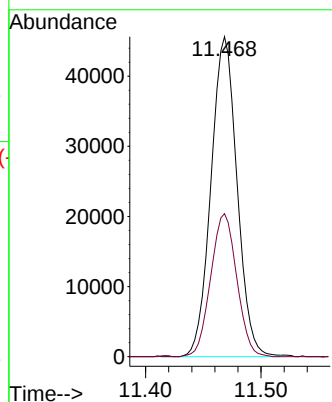
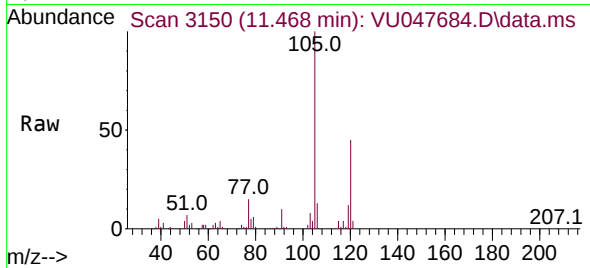




#63
1,2,4-Trimethylbenzene
Concen: 7.972 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

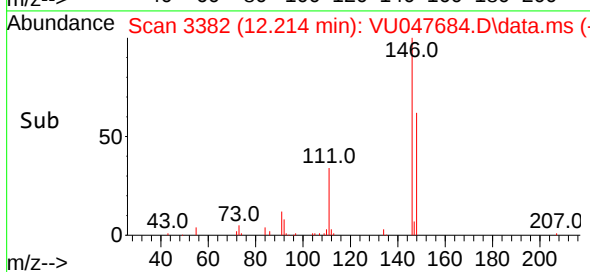
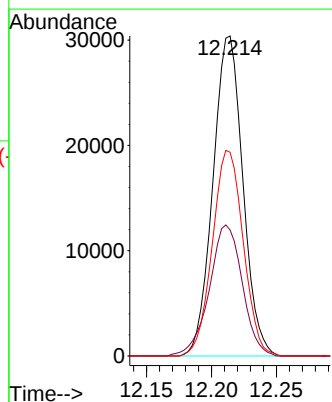
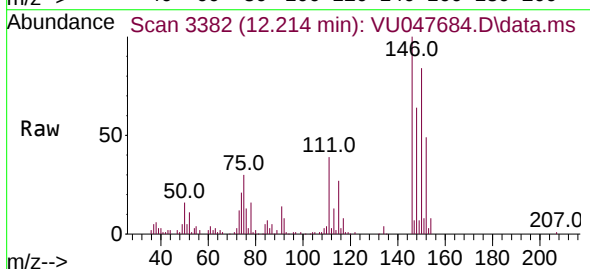
Instrument :
MSVOA_U
ClientSampleId :
EW600

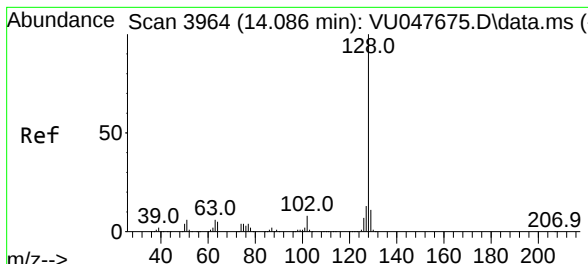
Tgt Ion:105 Resp: 71603
Ion Ratio Lower Upper
105 100
120 44.7 37.6 56.4



#67
1,2-Dichlorobenzene
Concen: 8.036 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU047684.D
Acq: 25 Mar 2022 19:55

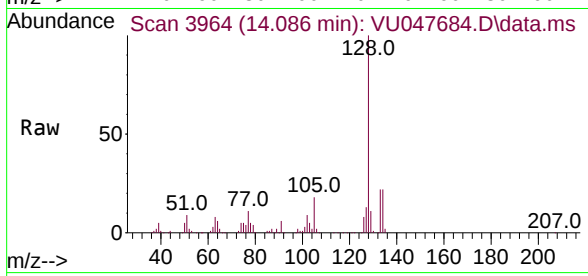
Tgt Ion:146 Resp: 48703
Ion Ratio Lower Upper
146 100
111 39.3 31.7 47.5
148 63.7 51.4 77.2





#71
 Naphthalene
 Concen: 10.165 ug/L
 RT: 14.086 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU047684.D
 Acq: 25 Mar 2022 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 EW600



Tgt Ion:	128	Resp:	130585
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.8	13.2

